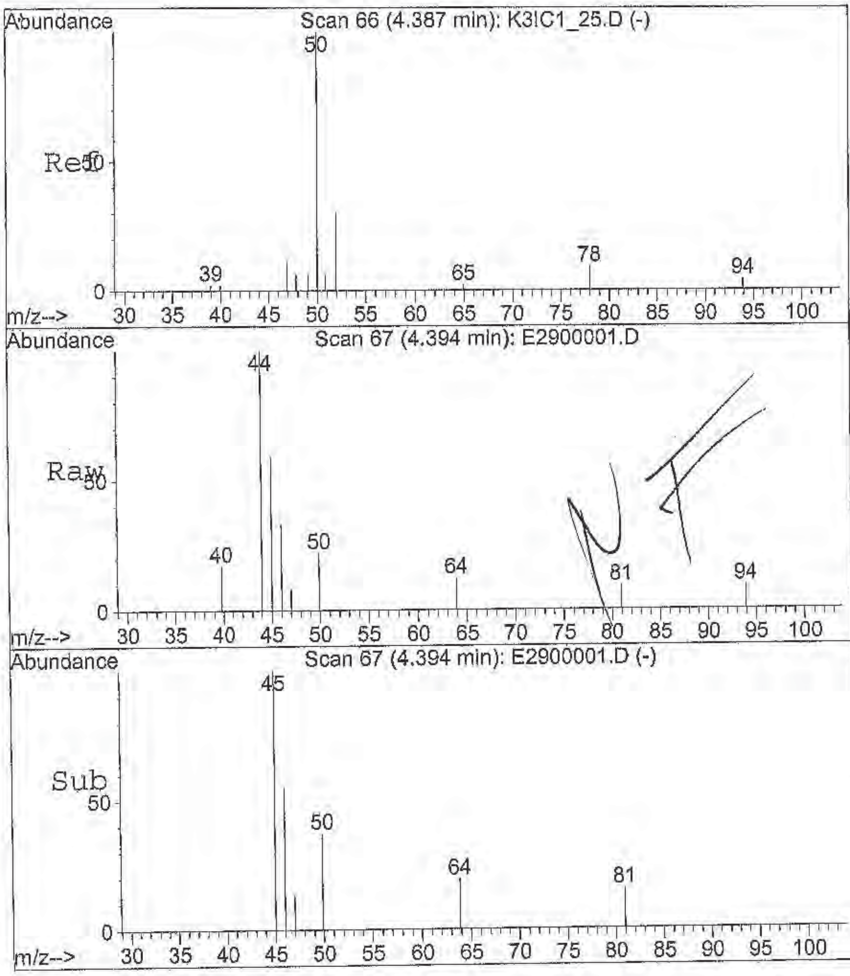
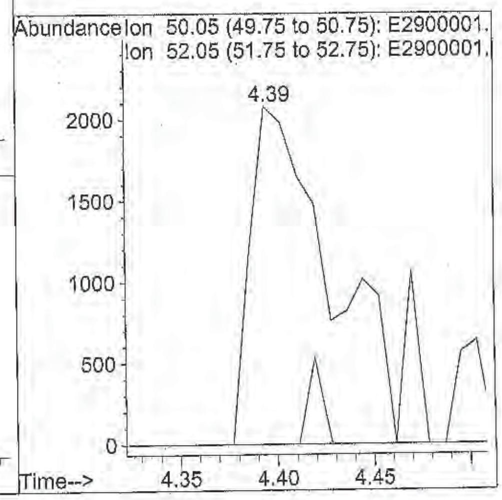
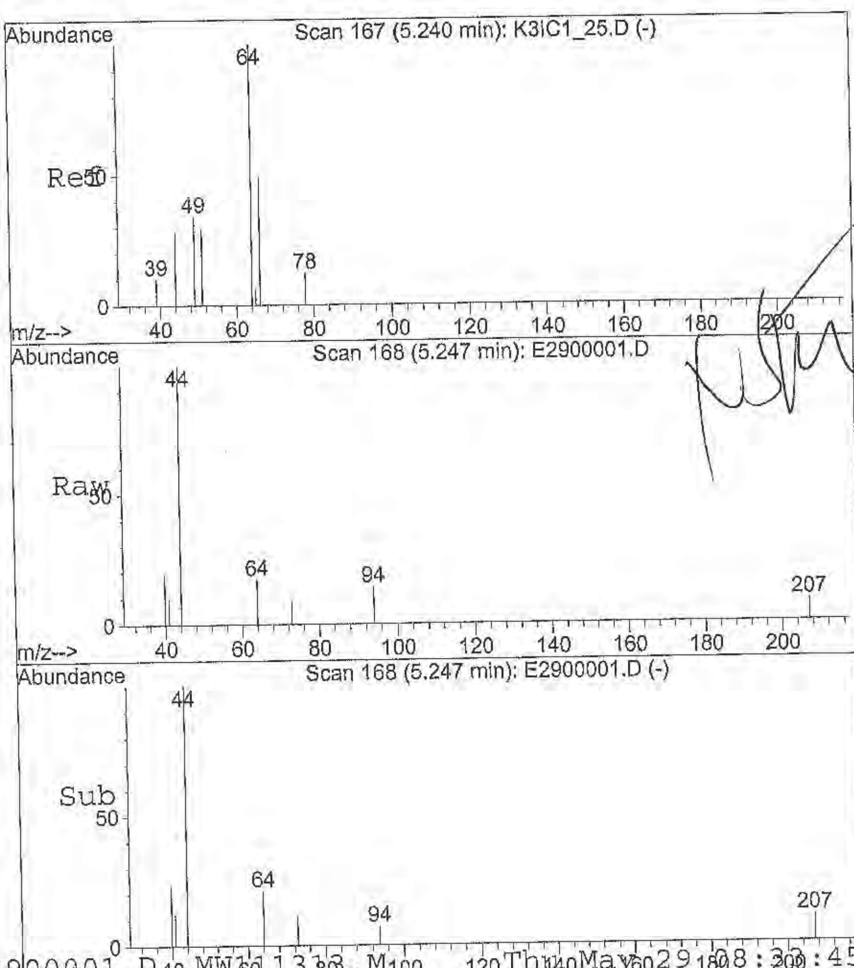


#4
Chloromethane
Concen: 1.25 ug/L
RT: 4.39 min Scan# 67
Delta R.T. 0.01 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 50 Resp: 5990

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.9	40.3#

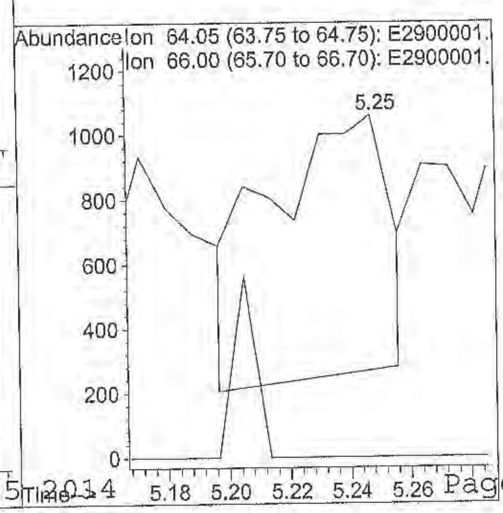


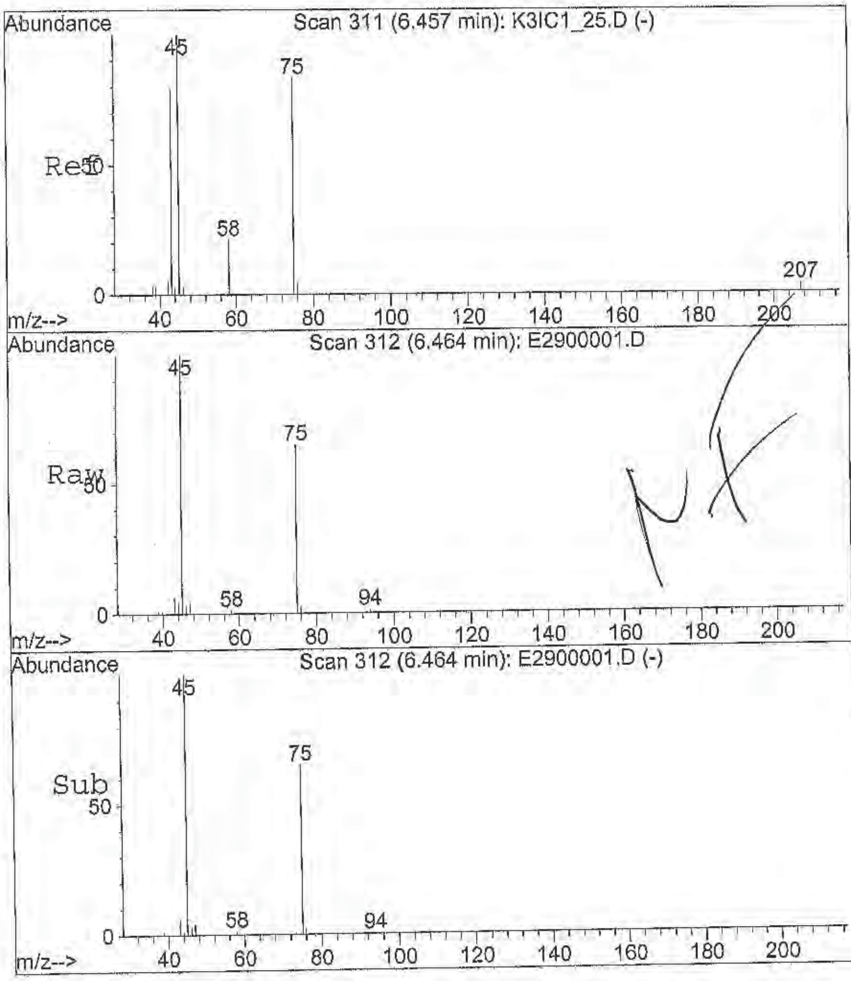


#7
Chloroethane
Concen: 2.56 ug/L
RT: 5.25 min Scan# 168
Delta R.T. 0.01 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 64 Resp: 2249

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

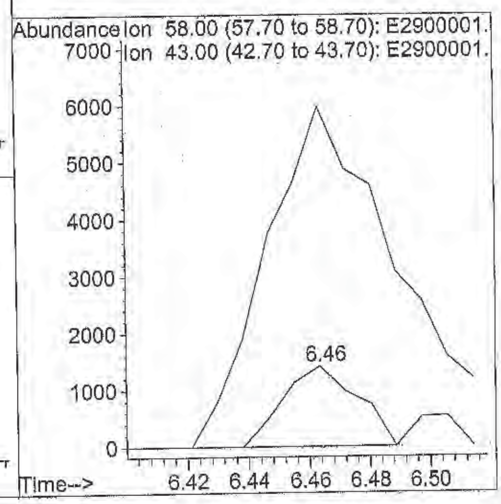


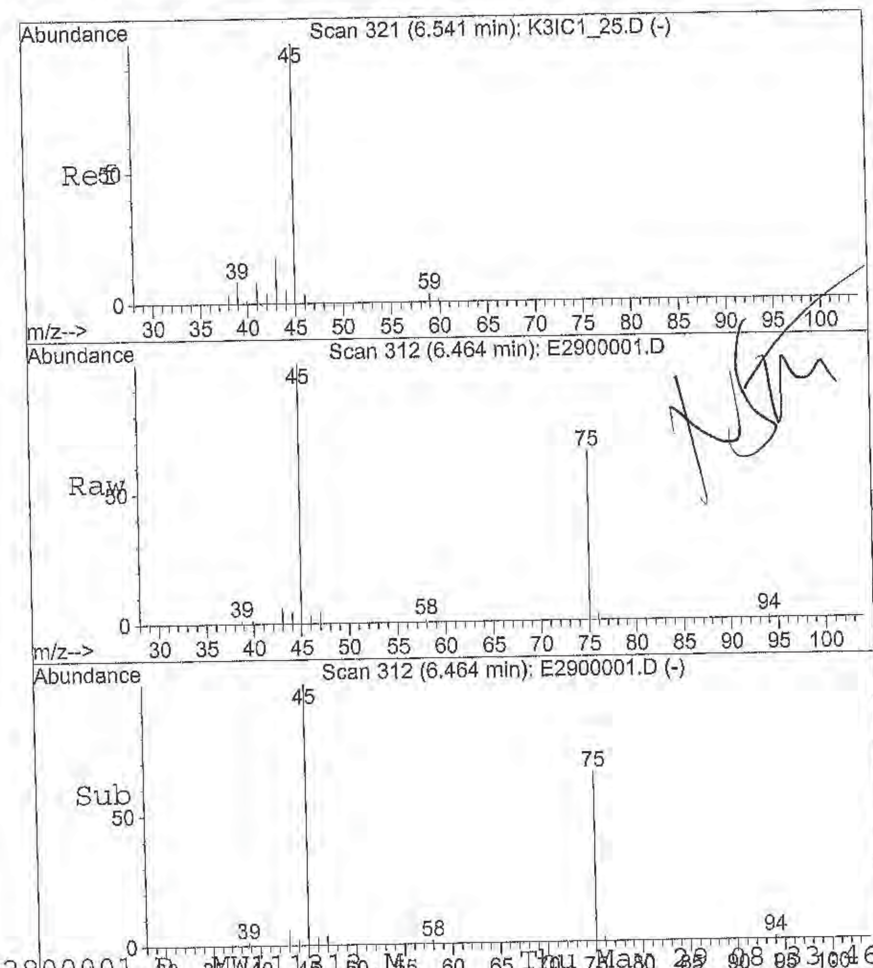


#11
Acetone
Concen: 179.45 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 58 Resp: 2410

Ion	Ratio	Lower	Upper
58	100		
43	782.0	360.9	541.3#

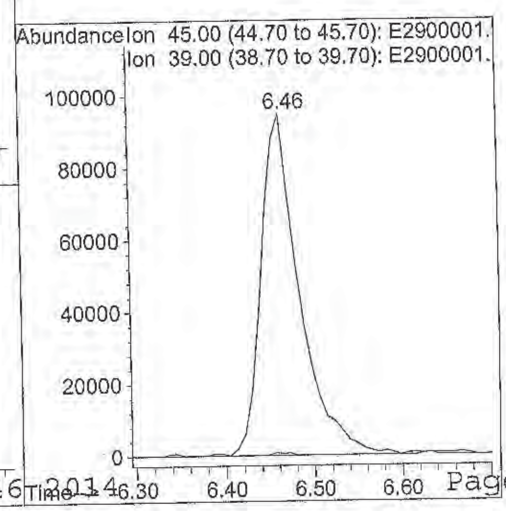


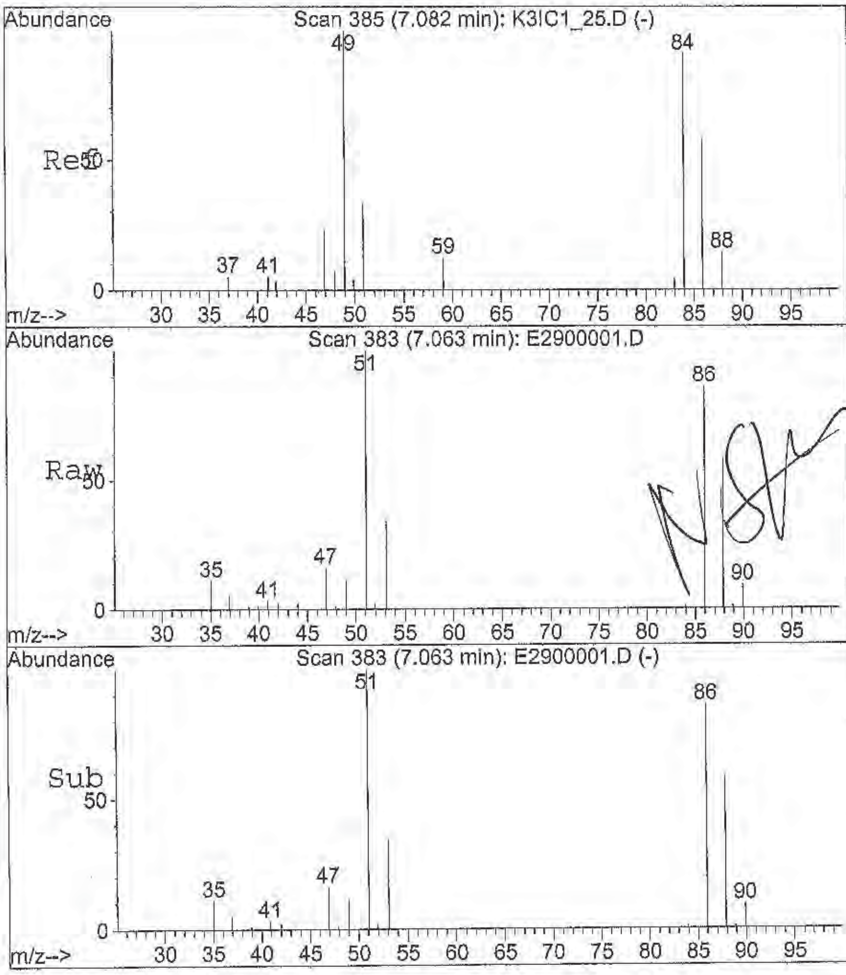


#12
(IPA) Leak Check Compound
Concen: 1642.23 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 45 Resp: 285364

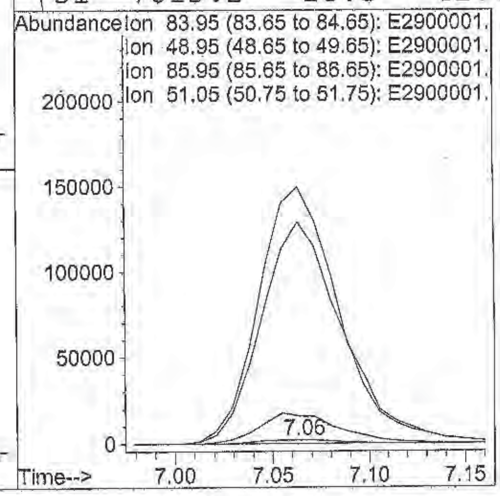
Ion	Ratio	Lower	Upper
45	100		
39	0.3	4.9	7.3#

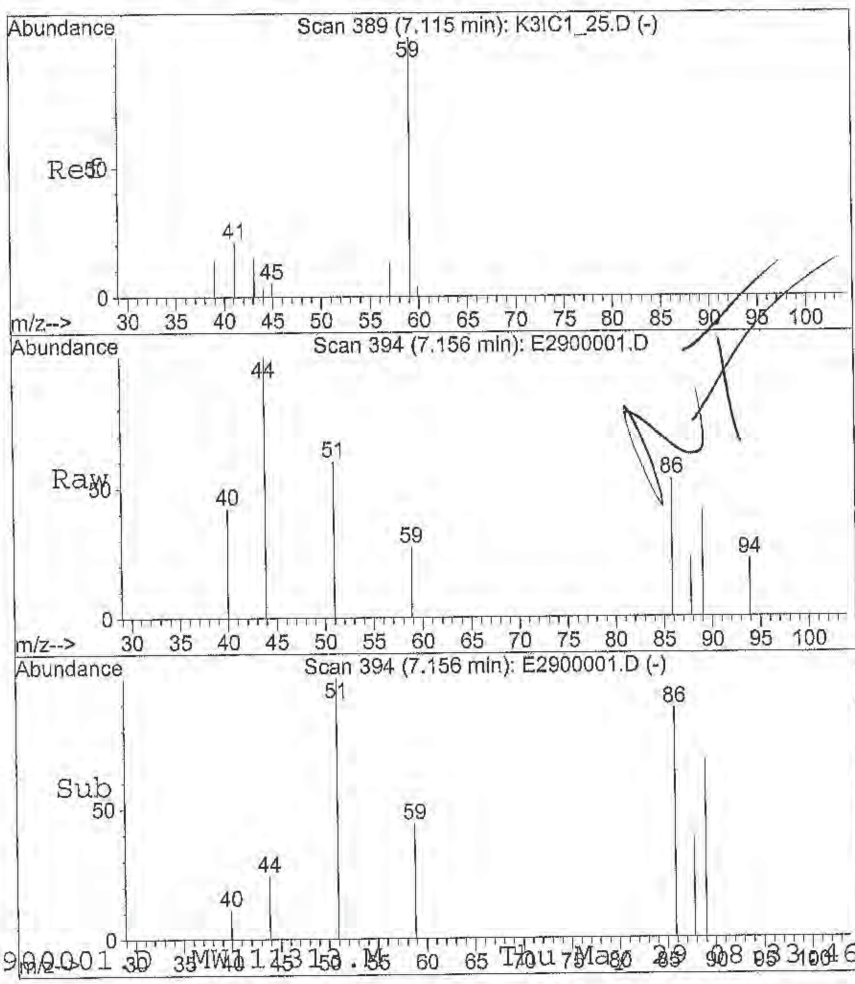




#14
Methylene Chloride
Concen: 1.45 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

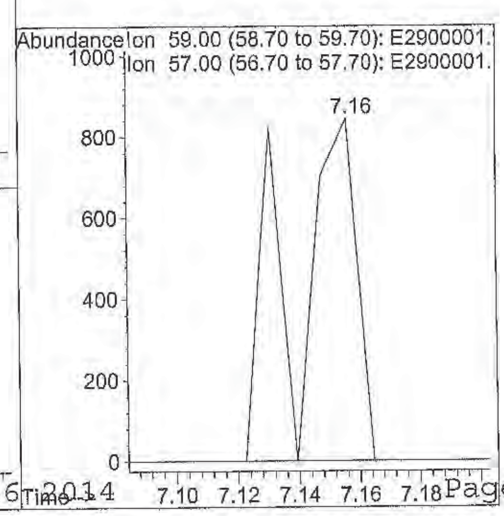
Tgt Ion: 84	Resp:		5760
Ion	Ratio	Lower	Upper
84	100		
49	863.0	89.8	134.6#
86	6493.7	51.1	76.7#
51	7613.2	28.5	42.7#

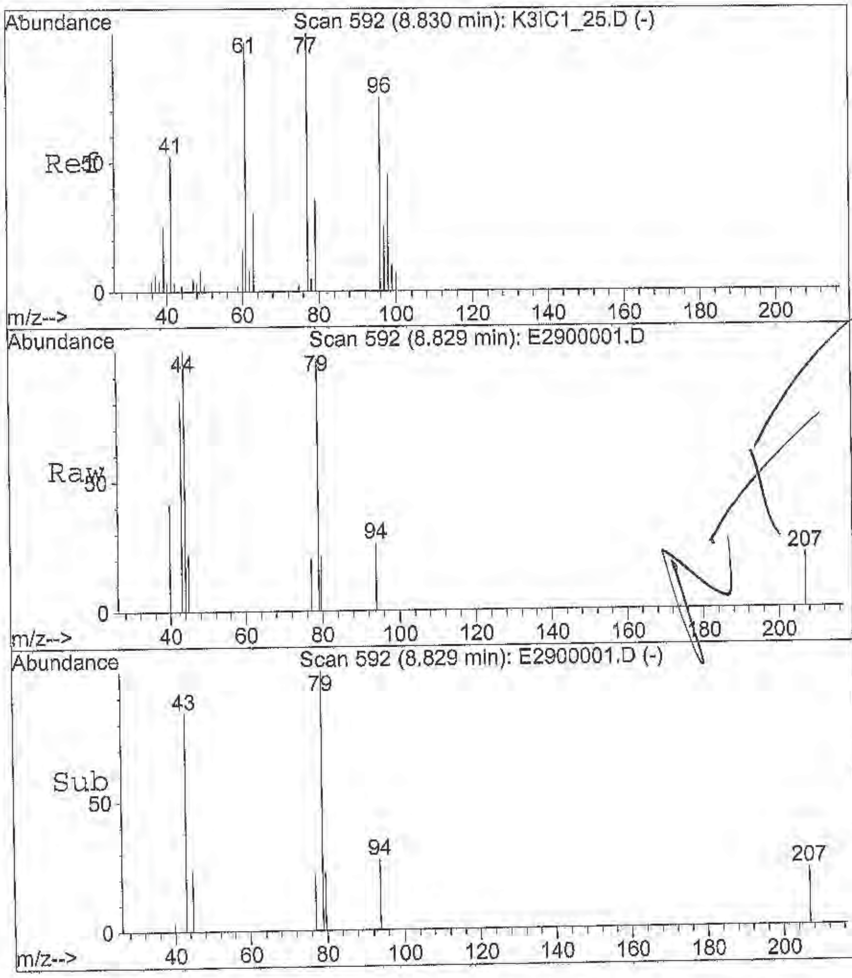




#15
(TBA) tert-Butanol
Concen: 4.87 ug/L
RT: 7.16 min Scan# 394
Delta R.T. 0.04 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 59	Resp:		1201
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

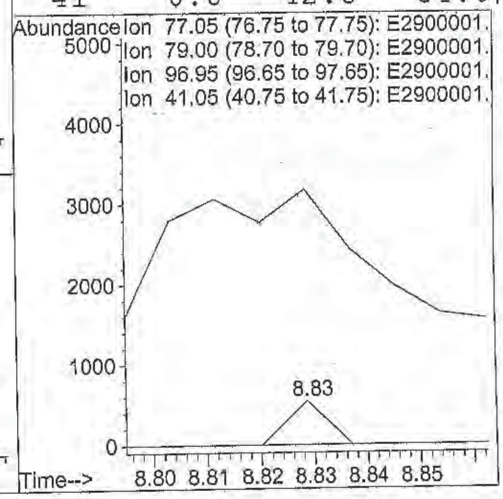


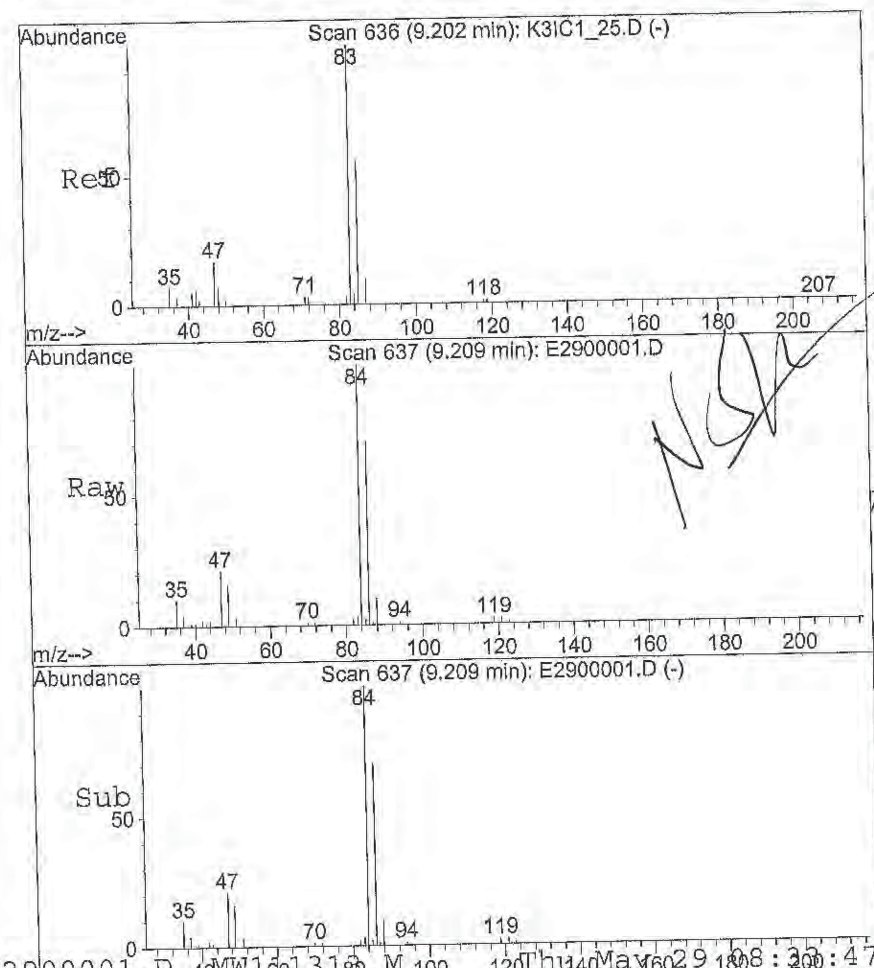


#20
2,2-Dichloropropane
Concen: 0.05 ug/L
RT: 8.83 min Scan# 592
Delta R.T. -0.00 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 77 Resp: 274

Ion	Ratio	Lower	Upper
77	100		
79	5173.4	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

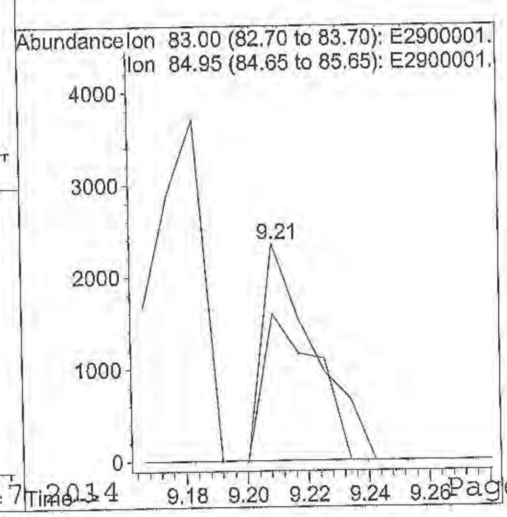


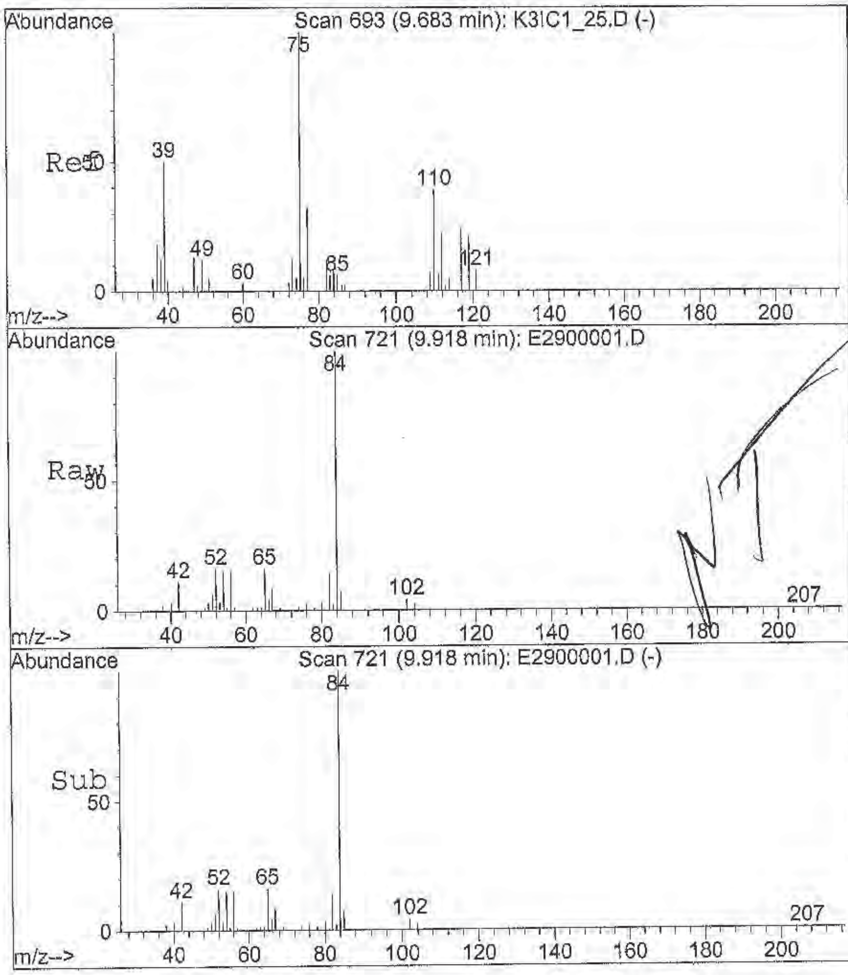


#24
Chloroform
Concen: 0.37 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.01 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 83 Resp: 2796

Ion	Ratio	Lower	Upper
83	100		
85	69.7	51.8	77.6

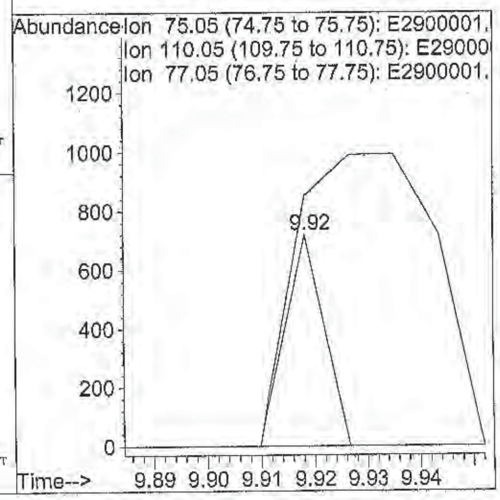


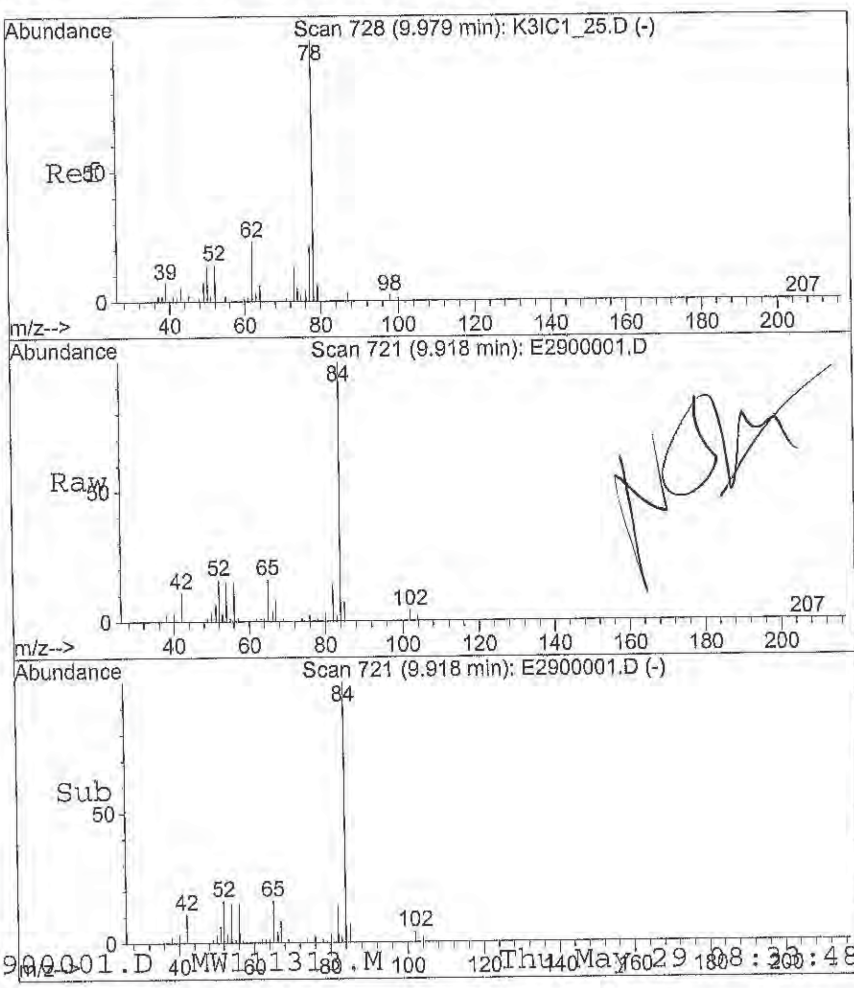


#29
1,1-Dichloropropene
Concen: 0.07 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.24 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 75 Resp: 364

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	495.3	25.0	37.4#

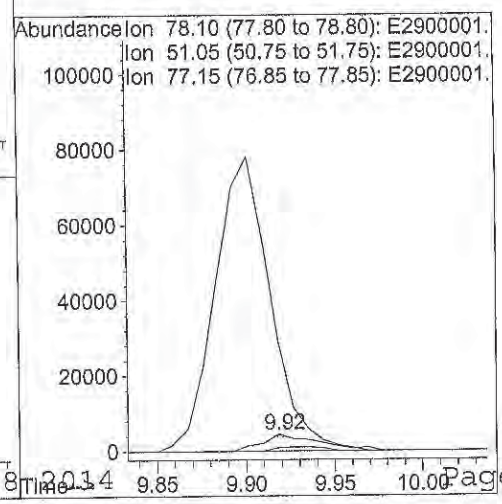


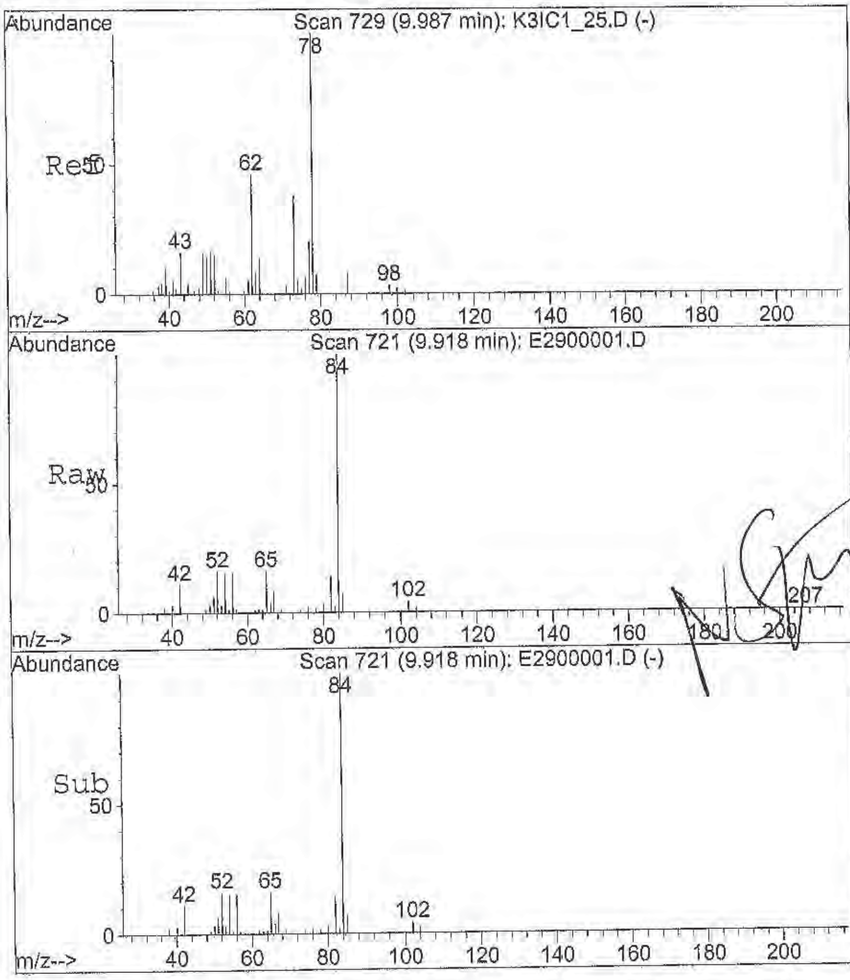


#31
Benzene
Concen: 0.70 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.06 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 78 Resp: 9506

Ion	Ratio	Lower	Upper
78	100		
51	1774.2	14.2	21.2#
77	0.0	16.6	24.8#

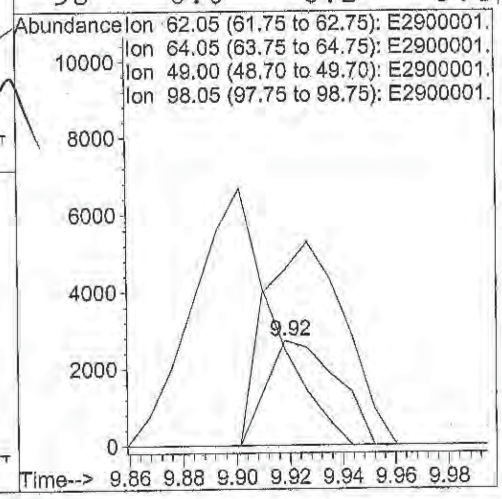


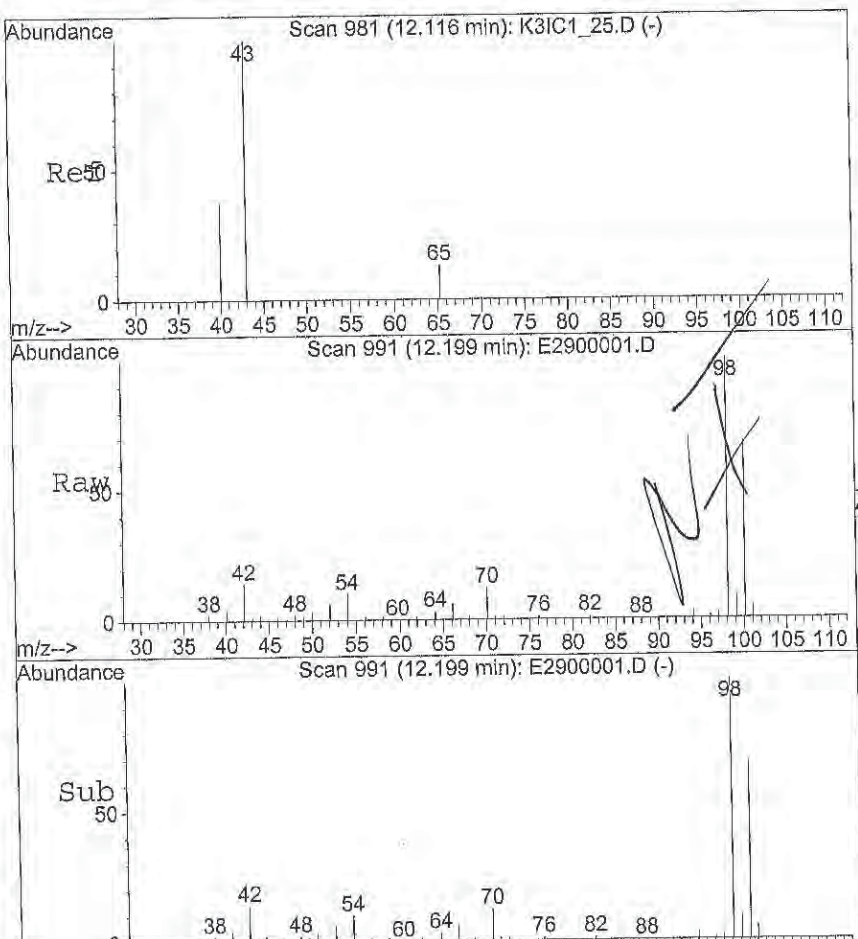


#32
1,2-Dichloroethane
Concen: 1.04 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 62 Resp: 5008

Ion	Ratio	Lower	Upper
62	100		
64	222.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

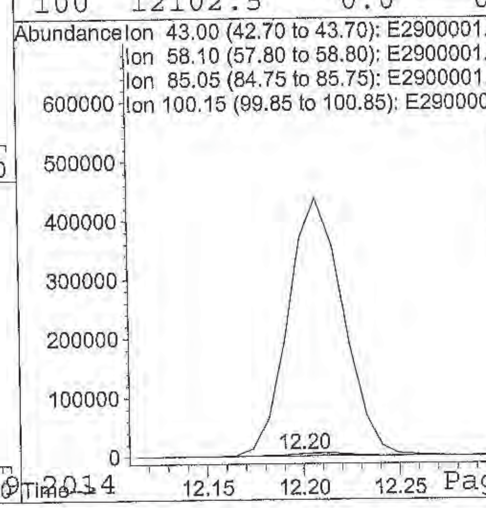


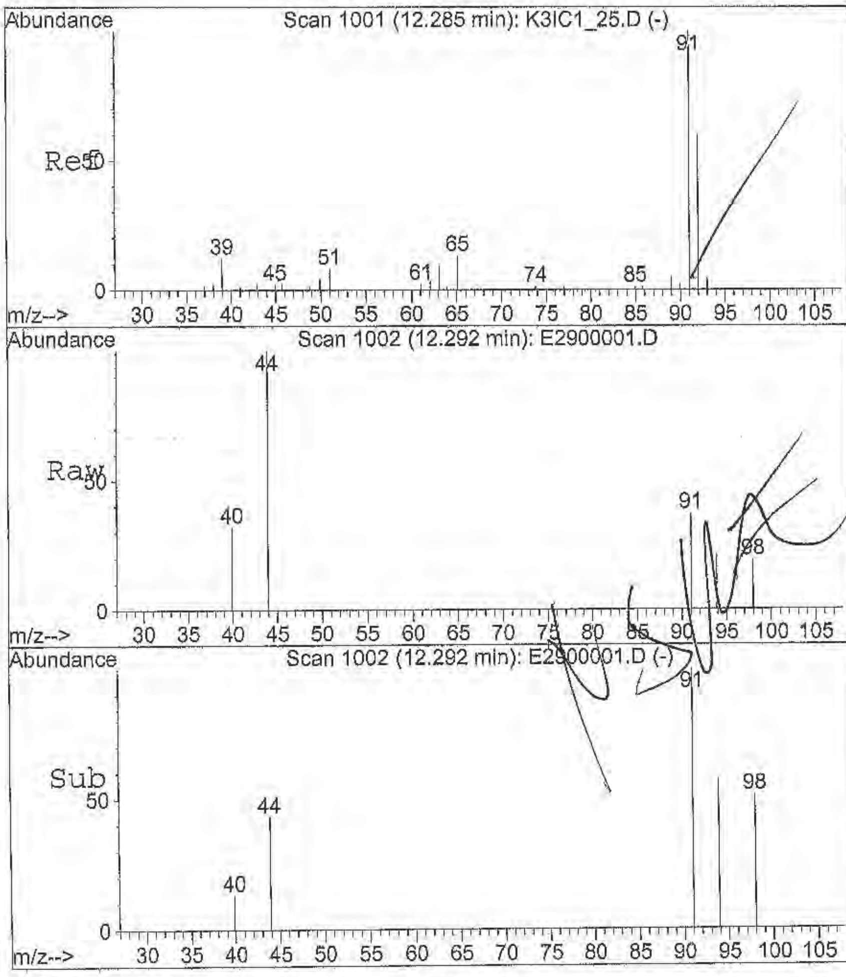


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.14 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 43 Resp: 7212

Ion	Ratio	Lower	Upper
43	100		
58	134.5	0.0	0.0#
85	0.0	0.0	0.0
100	12102.5	0.0	0.0#

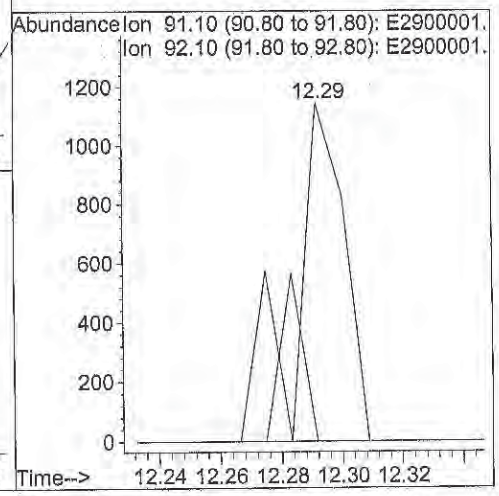


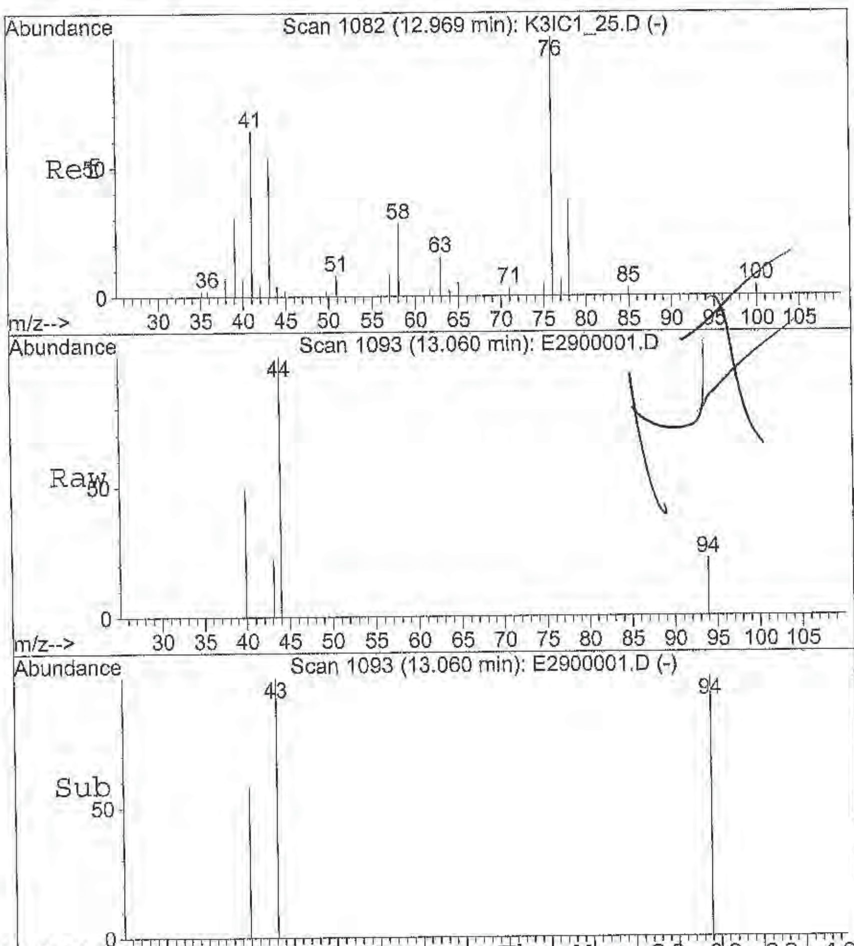


#41
Toluene
Concen: 0.08 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.01 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 91 Resp: 1289

Ion	Ratio	Lower	Upper
91	100		
92	22.1	47.4	71.0#

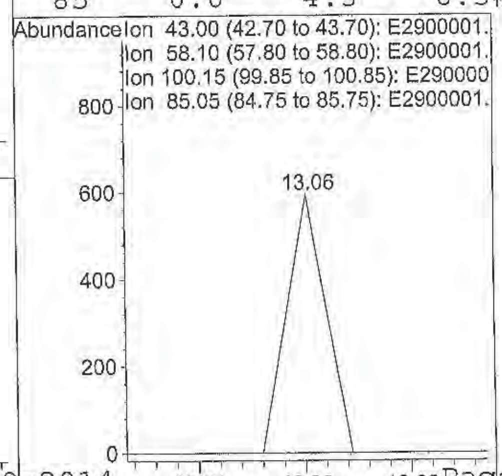


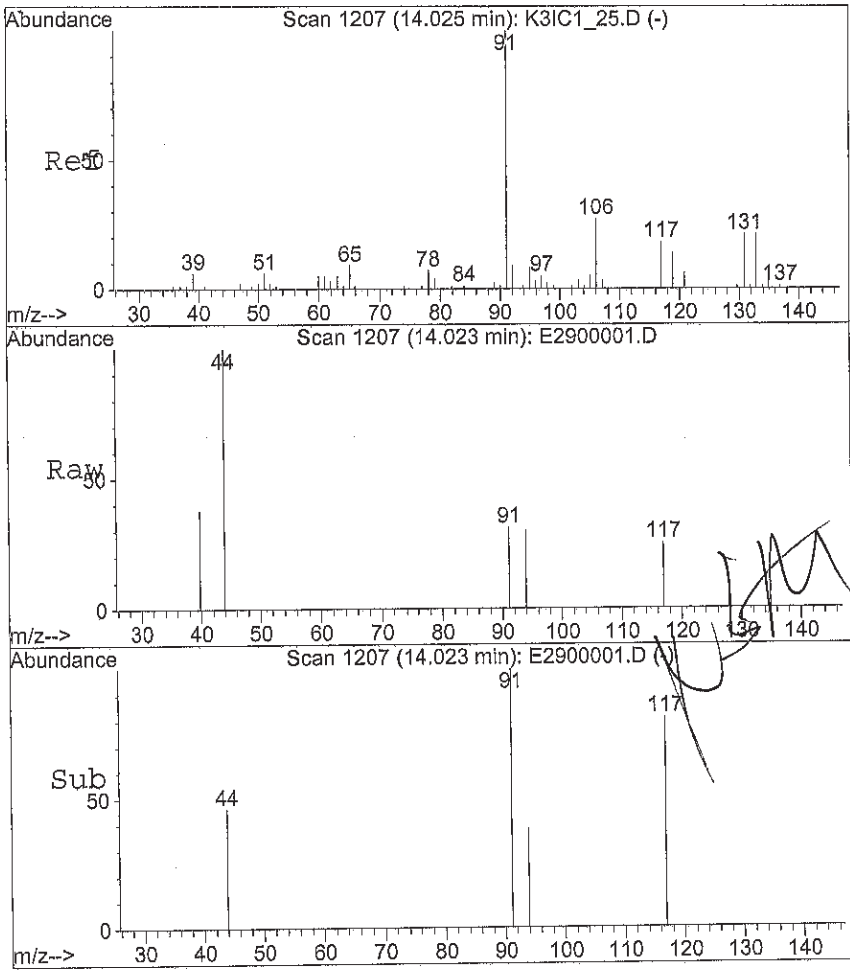


#46
2-Hexanone
Concen: 0.12 ug/L
RT: 13.06 min Scan# 1093
Delta R.T. 0.09 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 43 Resp: 301

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

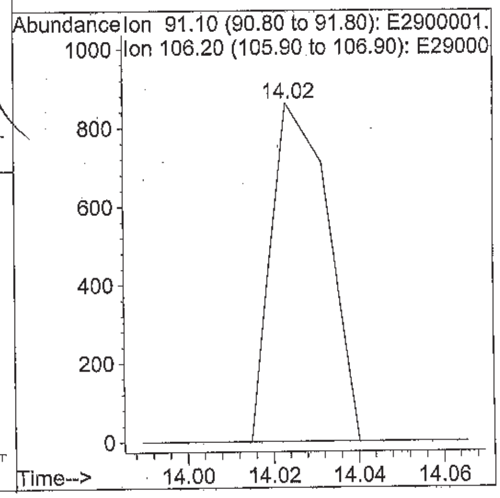


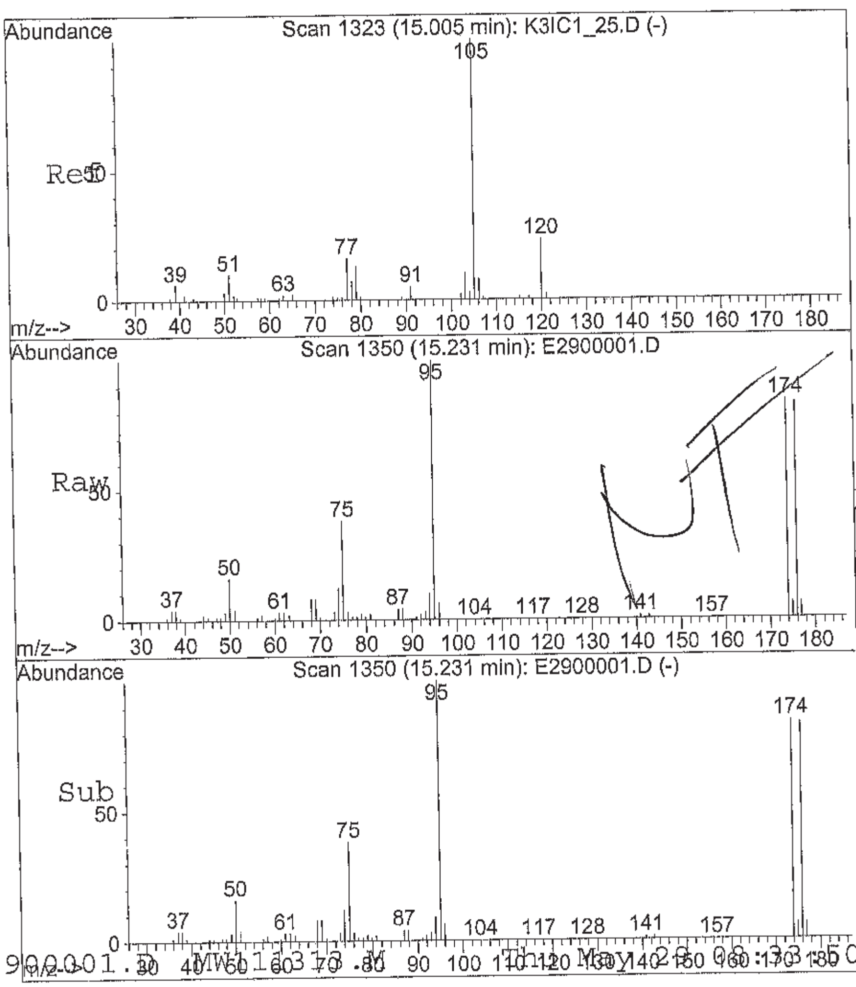


#51
Ethylbenzene
Concen: 0.04 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 91 Resp: 797

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

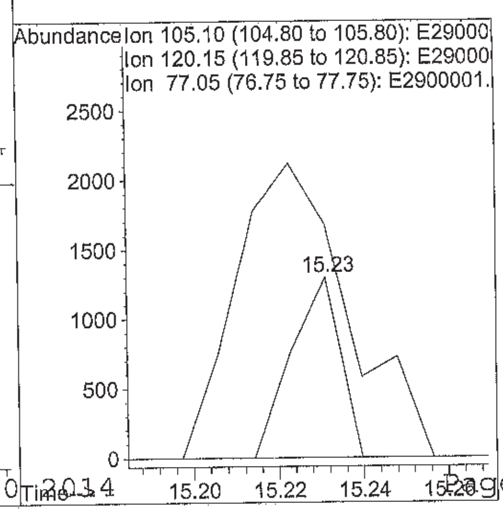


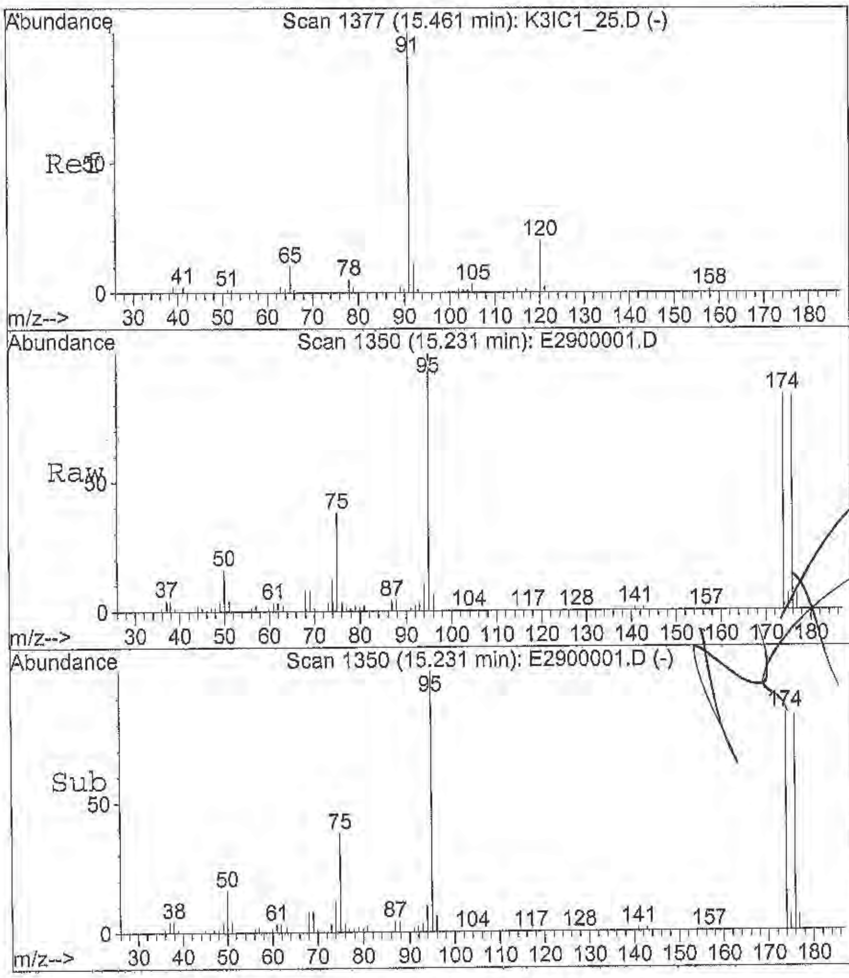


#56
Isopropylbenzene
Concen: 0.06 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. 0.23 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion:105 Resp: 1037

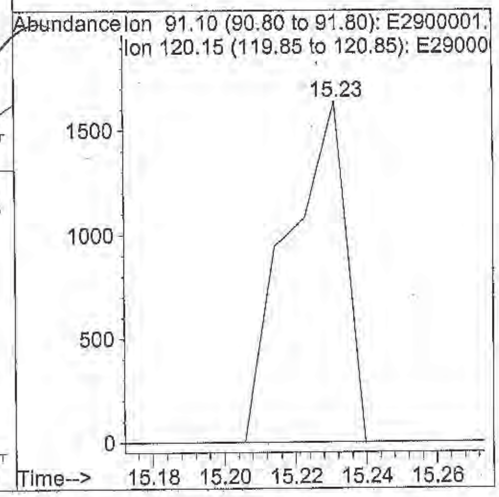
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	371.7	13.1	19.7#

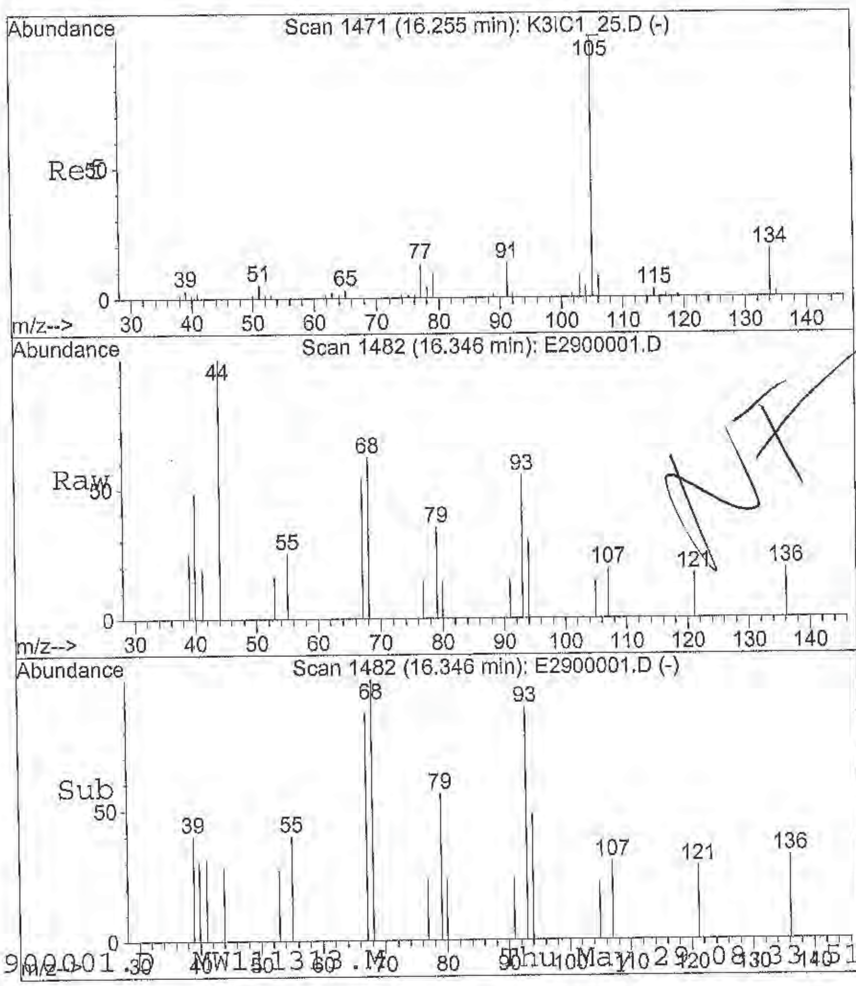




#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.23 min   Scan# 1350
Delta R.T.   -0.23 min
Lab File: E2900001.D
Acq: 29 May 2014   8:11 am

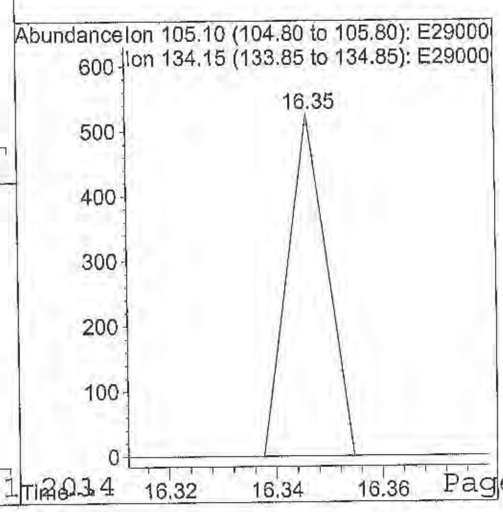
Tgt Ion: 91	Resp:		1856
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

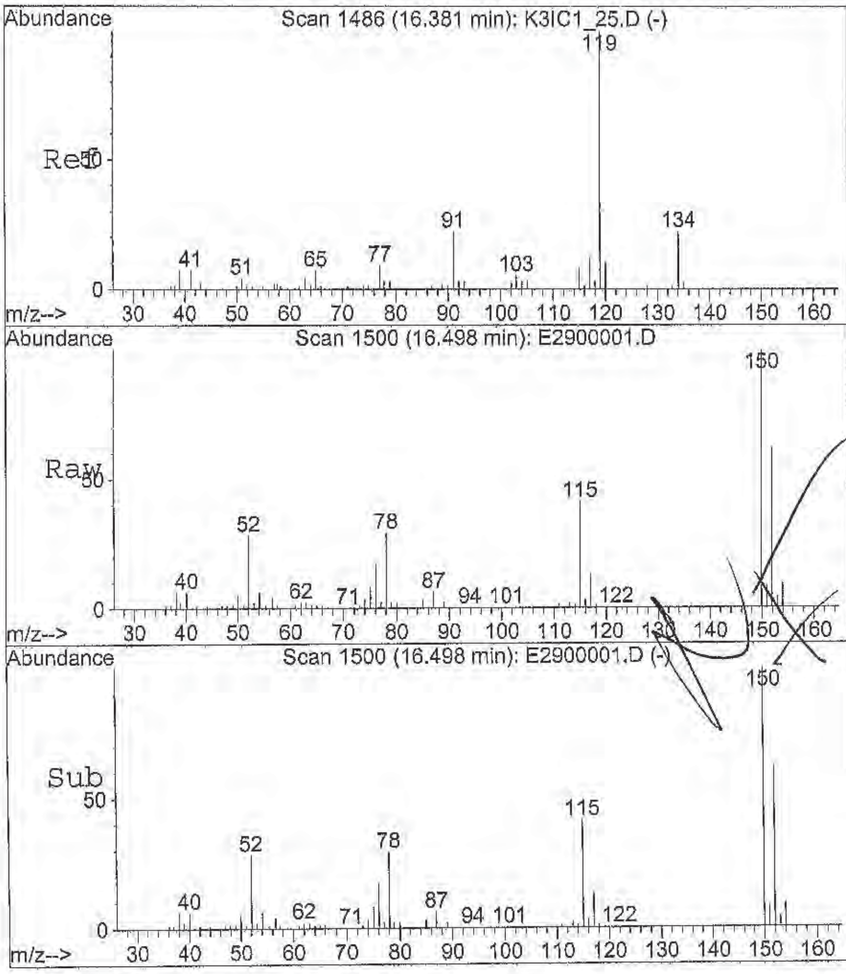




#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.35 min   Scan# 1482
Delta R.T.   0.09 min
Lab File: E2900001.D
Acq: 29 May 2014   8:11 am

Tgt Ion:105	Resp:		267
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

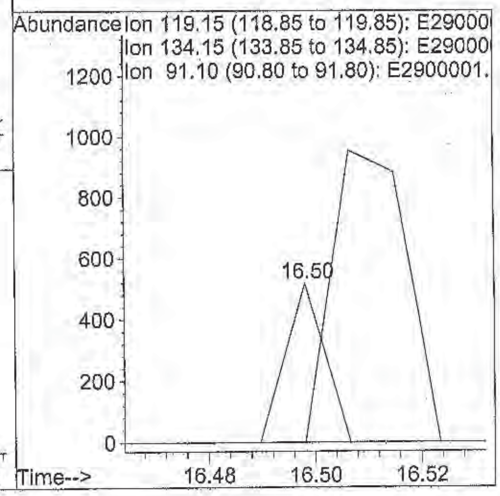


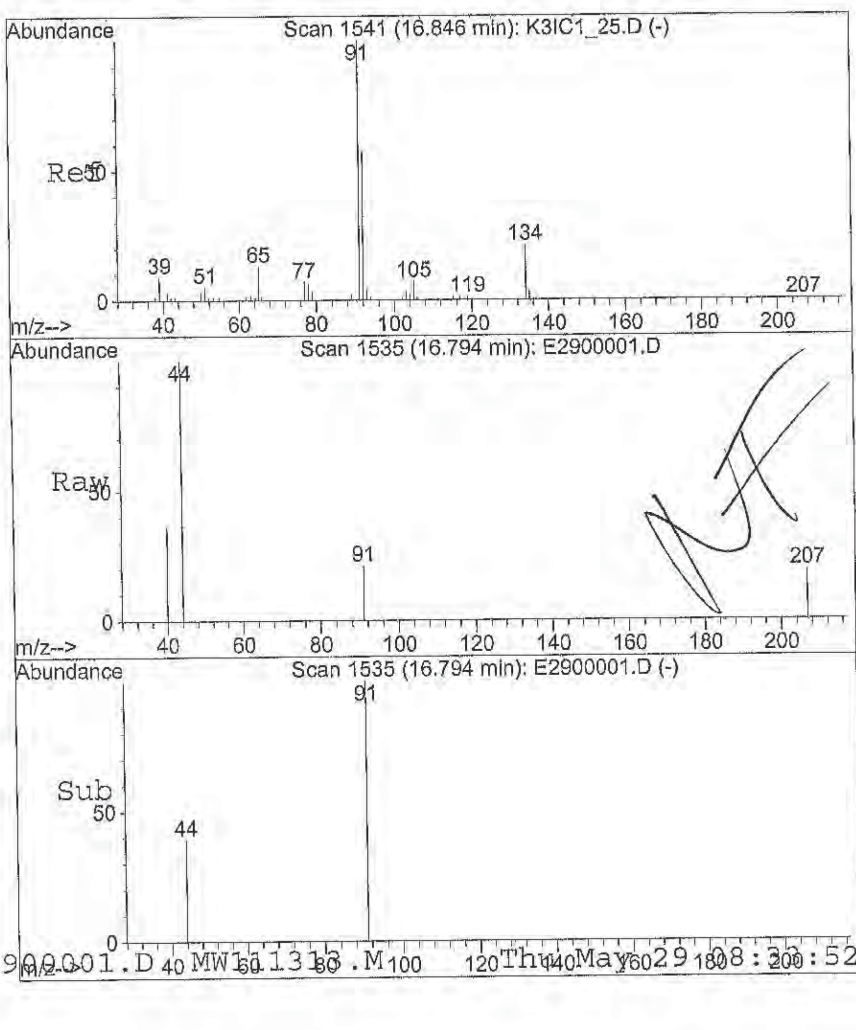


#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.50 min Scan# 1500
Delta R.T. 0.12 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion:119 Resp: 262

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	355.0	19.6	29.4#

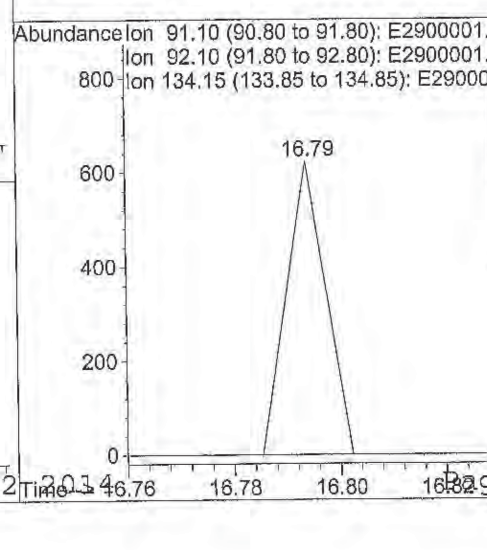




#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.79 min Scan# 1535
Delta R.T. -0.05 min
Lab File: E2900001.D
Acq: 29 May 2014 8:11 am

Tgt Ion: 91 Resp: 316

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#



```
Data File : C:\HPCHEM\1\DATA\052914L3\E2900001.D          Vial: 11
Acq On    : 29 May 2014   8:11 am                      Operator: DN
Sample    : 3E42901-01                                 Inst    : GC/MS Ins
Misc      : 100cc  Equipment Blank                     Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29  8:33 19114               Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3    ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1446066	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1151739	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.52	152	631317	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	425314	11.31	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	90.48%	
3) Chloroform-d (SU6)	9.18	84	677793	12.56	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery	=	100.48%	
4) Methylene Chloride-d2 (SU5	7.06	86	374035	11.86	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery	=	94.88%	
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	415497	16.17	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	129.36%#	
6) Benzene-d6 (SU7)	9.93	84	1285978	11.33	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery	=	90.64%	
8) Toluene-d8 (SU3)	12.21	98	1298038	11.88	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	=	95.04%	
9) 4-Bromofluorobenzene (SU4)	15.22	95	625891	13.88	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	111.04%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

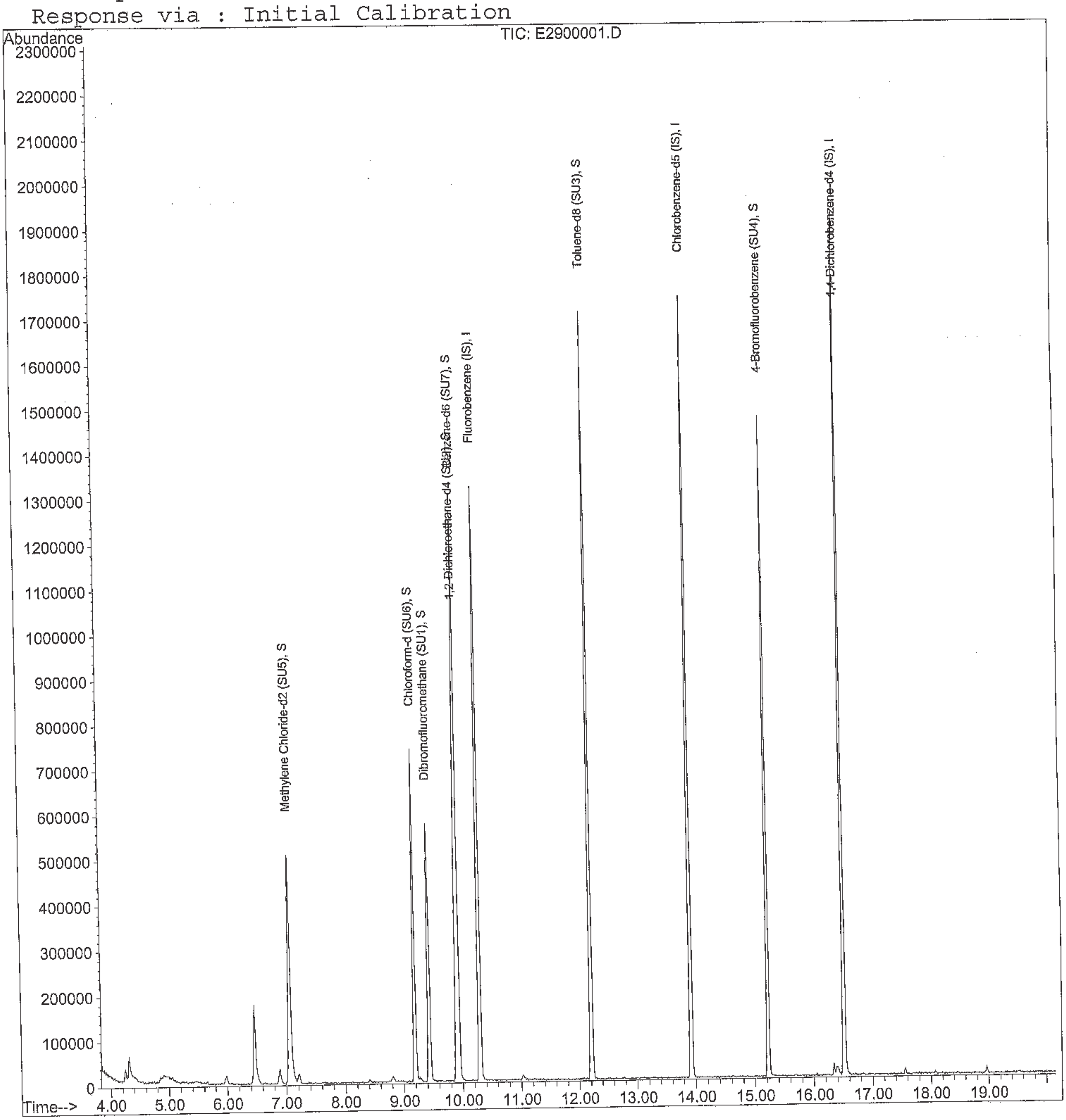
Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900001.D
Acq On : 29 May 2014 8:11 am
Sample : 3E42901-01
Misc : 100cc Equipment Blank
MS Integration Params: rteint.p
Quant Time: May 29 8:33 19114

Vial: 11
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900002.D Vial: 1
Acq On : 29 May 2014 8:46 am Operator: DN
Sample : 3E42901-02 Inst : GC/MS Ins
Misc : 100cc SVL-544-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 9:11 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1583591	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1245807	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	686848	12.50 ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	445930	11.29 ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.32%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	428901	11.43 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.44%	
39) Toluene-d8 (SU3)	12.20	98	1403987	12.08 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	96.64%	
58) 4-Bromofluorobenzene (SU4)	15.23	95	686956	13.48 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	107.84%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
4) Chloromethane	4.39	50	4916	0.63 ~~ug/L~~ # SM	52
6) Bromomethane	5.10	96	373	-1.56 ~~ug/L~~ #	1
7) Chloroethane	5.18	64	1417	1.76 ~~ug/L~~	91
11) Acetone	6.47	58	4126	1.60 ~~ug/L~~ NT	91
12) (IPA) Leak Check Compound	6.46	45	283658	1490.65 ~~ug/L~~ # SM	82
13) Carbon disulfide	6.83	76	4844	0.37 ~~ug/L~~ #	76
14) Methylene Chloride	7.06	84	5824	1.34 ~~ug/L~~ # NT	1
15) (TBA) tert-Butanol	7.13	59	307	1.14 ~~ug/L~~ # SM	77
20) 2,2-Dichloropropane	9.04	77	311	0.05 ~~ug/L~~ #	36
22) (DIPE) Diisopropyl Ether	7.97	45	256	0.02 ~~ug/L~~ #	48
24) Chloroform	9.21	83	1538	0.19 ~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.37	59	293	0.03 ~~ug/L~~ #	44
31) Benzene	9.97	78	2529	0.17 ~~ug/L~~ #	72
32) 1,2-Dichloroethane	9.91	62	7172	1.36 ~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	7284	2.93 ~~ug/L~~ # NT	100
41) Toluene	12.29	91	33408	1.97 ug/L 0.0394	99
46) 2-Hexanone	12.93	43	270	0.10 ~~ug/L~~ # NT	37
51) Ethylbenzene	14.03	91	14449	0.75 ug/L 0.015	97
52) m,p-Xylenes	14.15	106	20420	2.98 ug/L 0.0596	100
53) o-Xylene	14.61	106	8215	1.21 ug/L 0.0242	90
54) Styrene	14.63	104	2252	-0.64 ~~ug/L~~ # SM	51
56) Isopropylbenzene	15.01	105	324	0.02 ~~ug/L~~ #	55

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900002.D Vial: 1
Acq On : 29 May 2014 8:46 am Operator: DN
Sample : 3E42901-02 Inst : GC/MS Ins
Misc : 100cc SVL-544-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 9:11 19114 Quant Results File: MW111313.RES

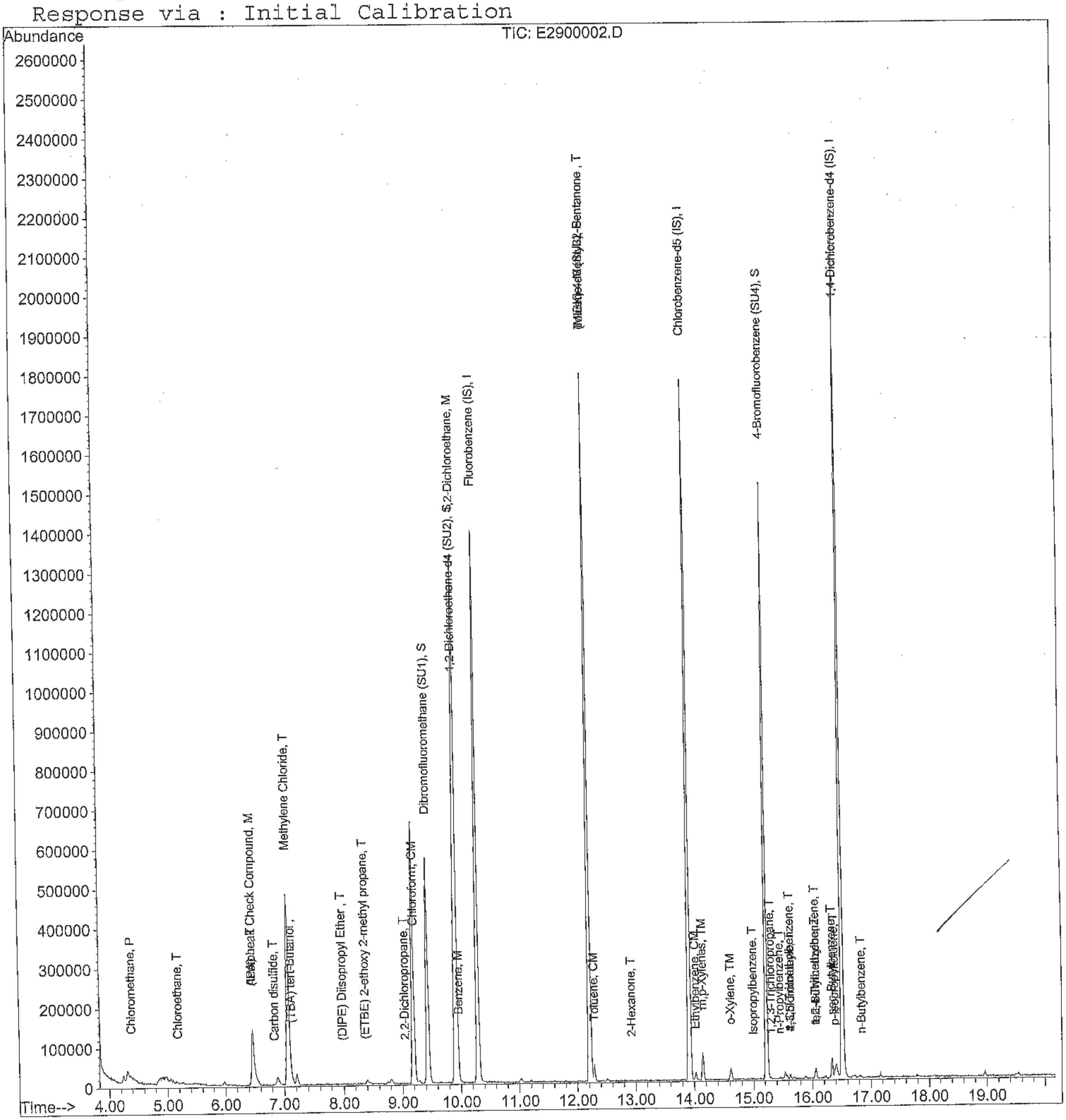
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

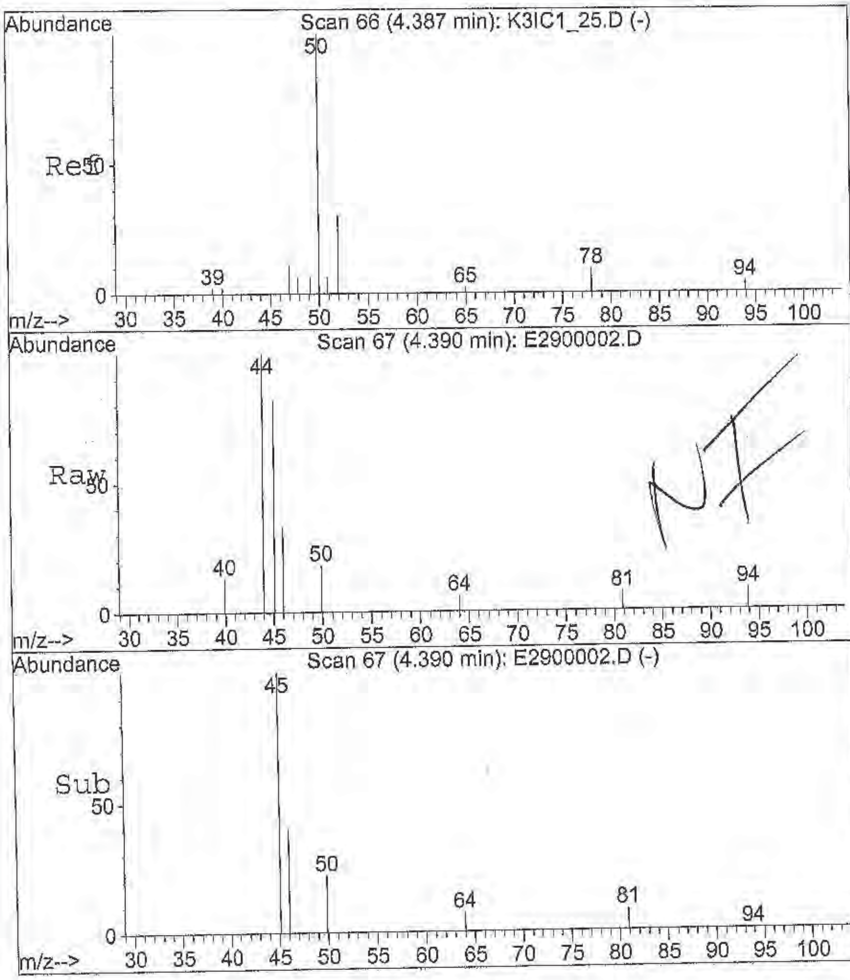
Compound	R.T.	QIon	Response	Conc	Unit			Qvalue
57) 1,2,3-Trichloropropane	15.30	75	255	0.05	~~ug/L~~	#		36
62) n-Propylbenzene	15.45	91	5039	0.18	ug/L	#		90
63) 2-Chlorotoluene	15.62	91	271	0.02	~~ug/L~~	#		45
64) 1,3,5-Trimethylbenzene	15.63	105	7988	0.47	ug/L		0.0094	91
65) 4-Chlorotoluene	15.62	91	271	0.02	~~ug/L~~	#		44
66) tert-Butylbenzene	16.06	119	1529	0.10	~~ug/L~~	#		82
67) 1,2,4-Trimethylbenzene	16.06	105	16484	0.92	~~ug/L~~		0.0184	94
68) sec-Butylbenzene	16.34	105	800	0.03	ug/L	#		62
69) p-Isopropyltoluene	16.38	119	1383	0.07	~~ug/L~~	#		52
72) n-Butylbenzene	16.84	91	628	0.03	~~ug/L~~	#		30

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900002.D   Vial: 1
Acq On : 29 May 2014   8:46 am   Operator: DN
Sample : 3E42901-02   Inst : GC/MS Ins
Misc : 100cc SVL-544-SA5D-SV-10.0-11.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 9:11 19114   Quant Results File: MW111313.RES

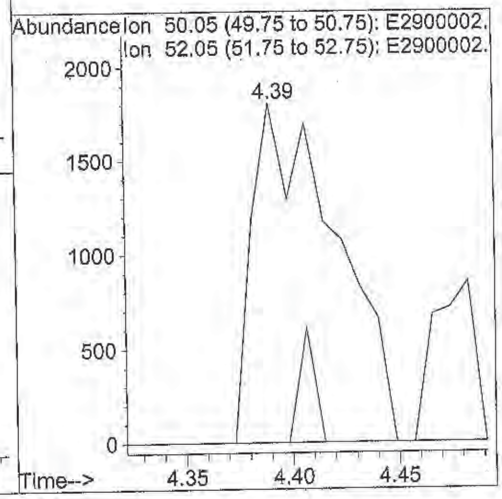
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B   GC/MS #3   ICAL 11/13/13   DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

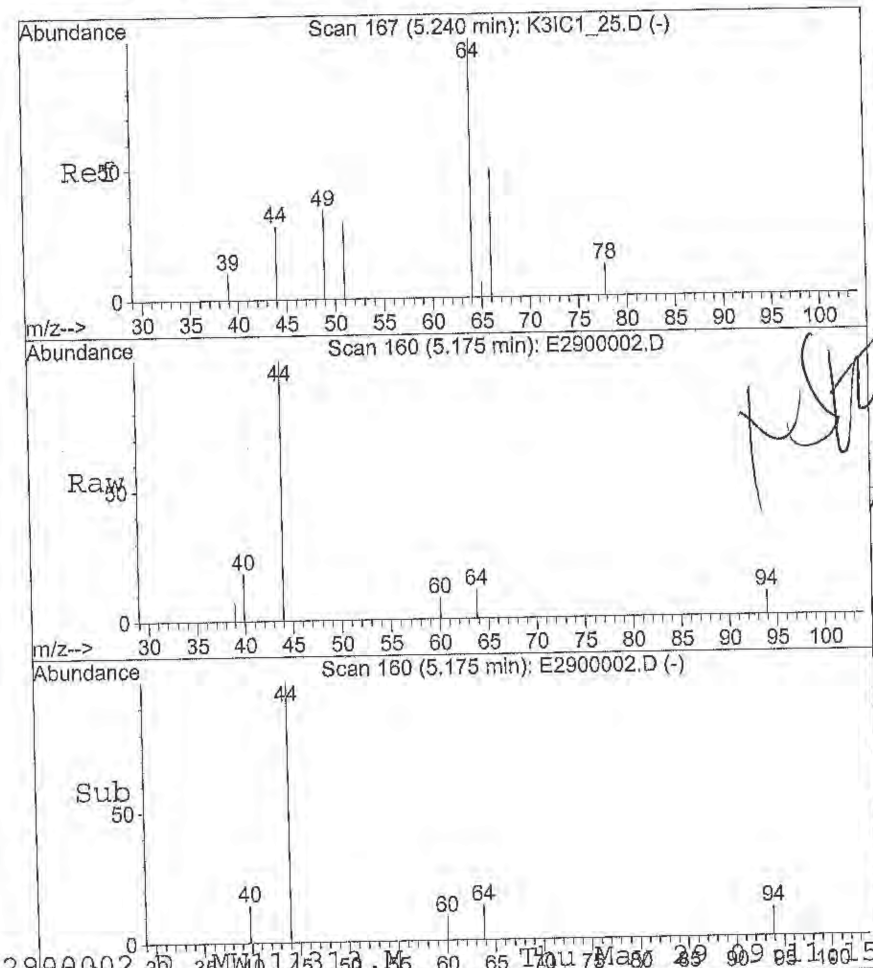




#4
Chloromethane
Concen: 0.63 ug/L
RT: 4.39 min Scan# 67
Delta R.T. 0.00 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

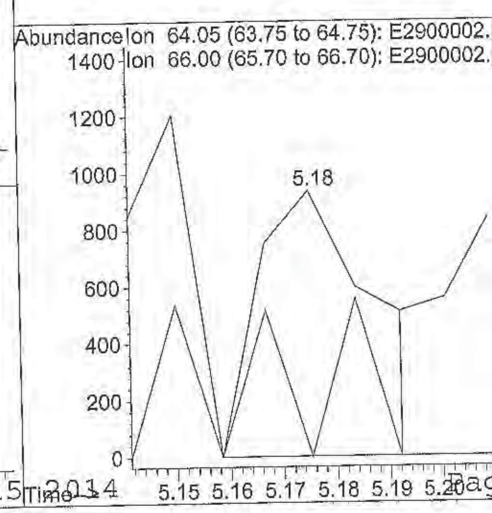
Tgt Ion: 50	Resp:		4916
Ion	Ratio	Lower	Upper
50	100		
52	6.3	26.9	40.3#

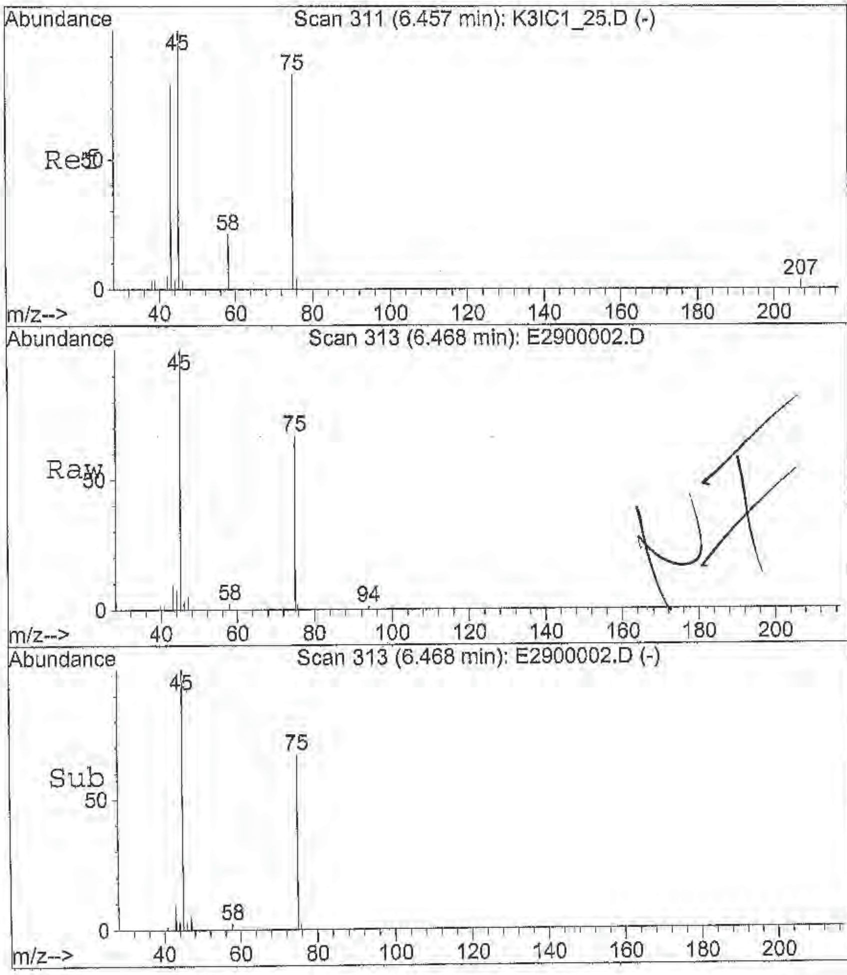




#7
Chloroethane
Concen: 1.76 ug/L
RT: 5.18 min Scan# 160
Delta R.T. -0.06 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

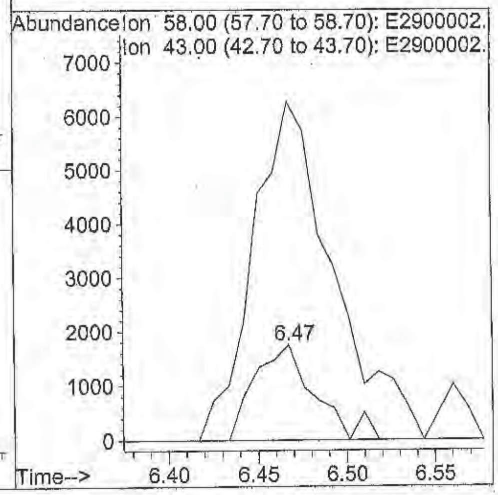
Tgt Ion: 64	Resp:		1417
Ion	Ratio	Lower	Upper
64	100		
66	38.4	35.4	53.0

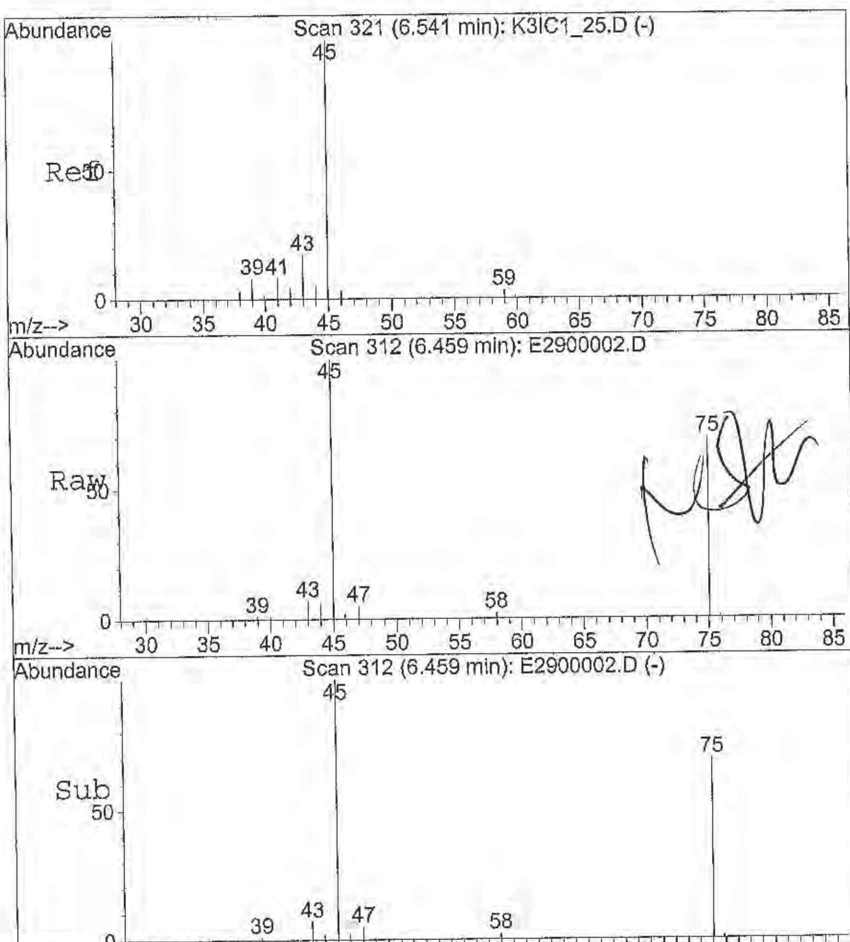




#11
Acetone
Concen: 1.60 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

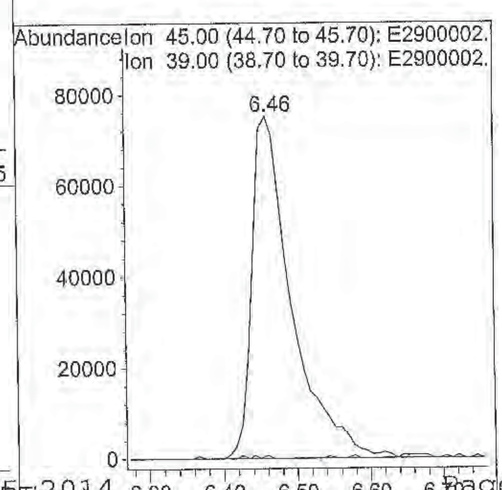
Tgt Ion: 58	Resp:		4126
Ion	Ratio	Lower	Upper
58	100		
43	474.3	360.9	541.3

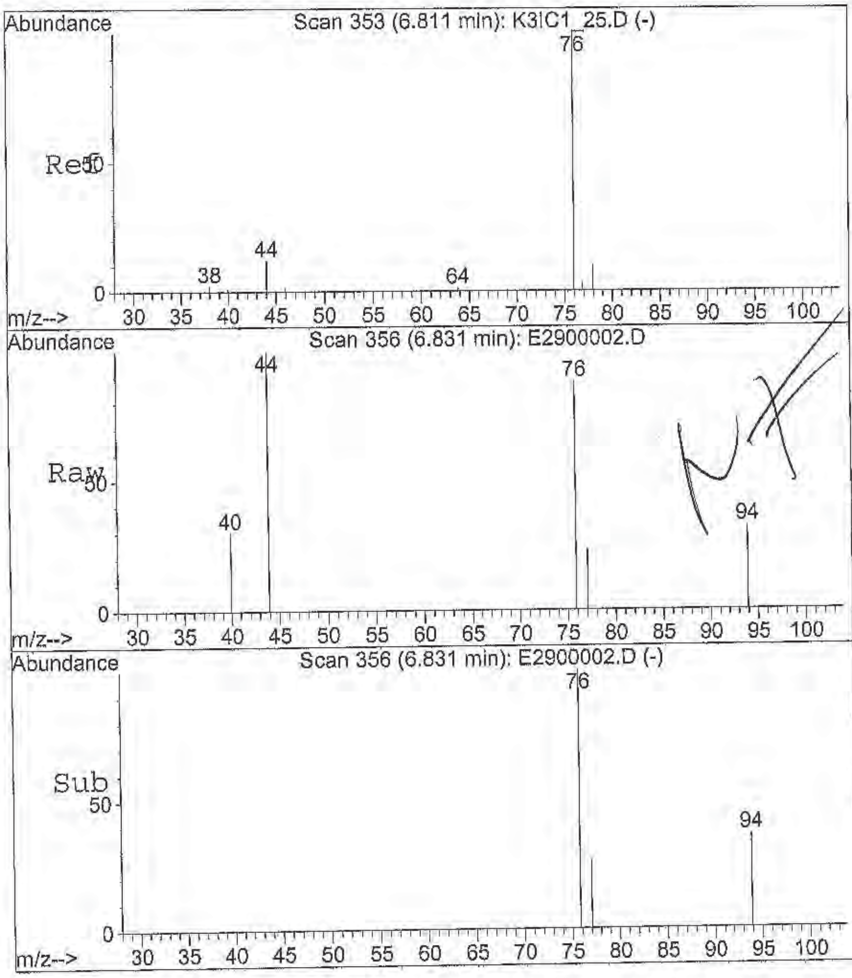




#12
(IPA) Leak Check Compound
Concen: 1490.65 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 45	Resp:		283658
Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#

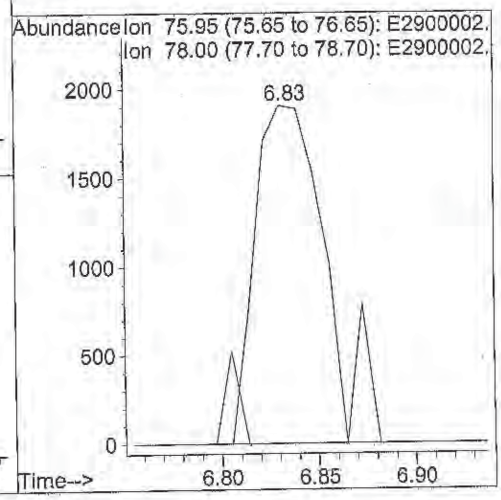


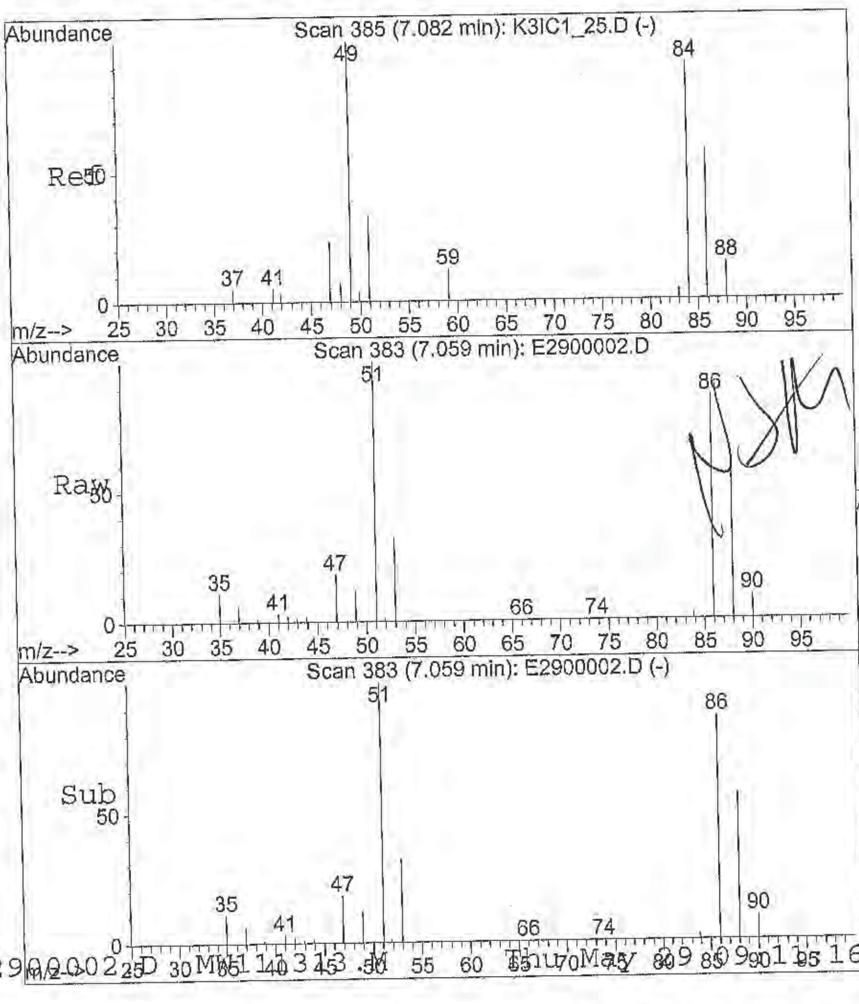


#13
Carbon disulfide
Concen: 0.37 ug/L
RT: 6.83 min Scan# 356
Delta R.T. 0.02 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 76 Resp: 4844

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

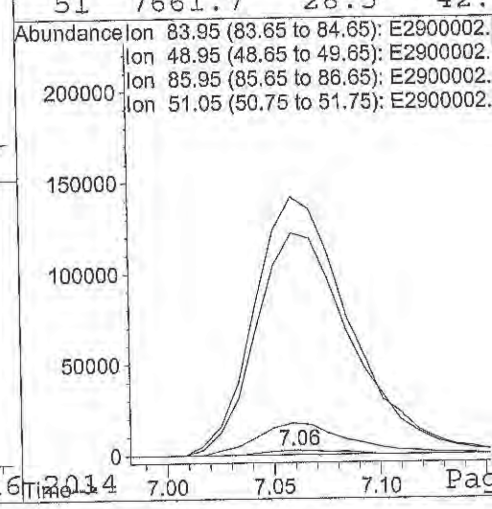


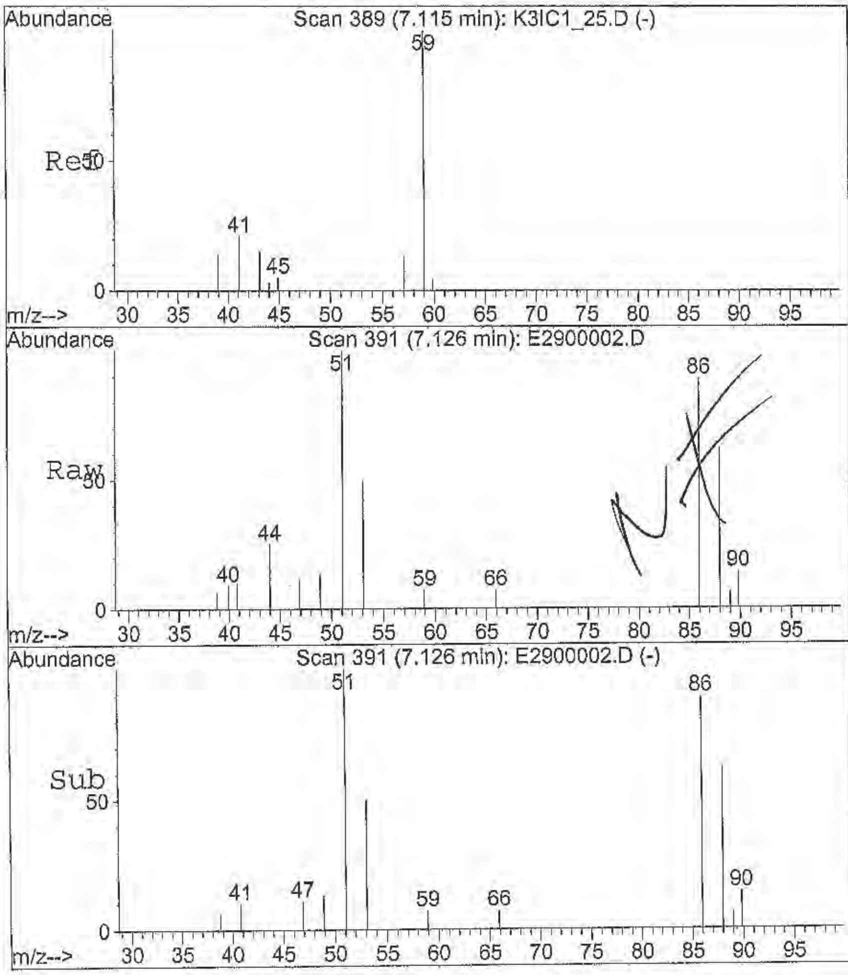


#14
Methylene Chloride
Concen: 1.34 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 84 Resp: 5824

Ion	Ratio	Lower	Upper
84	100		
49	894.0	89.8	134.6#
86	6643.4	51.1	76.7#
51	7661.7	28.5	42.7#

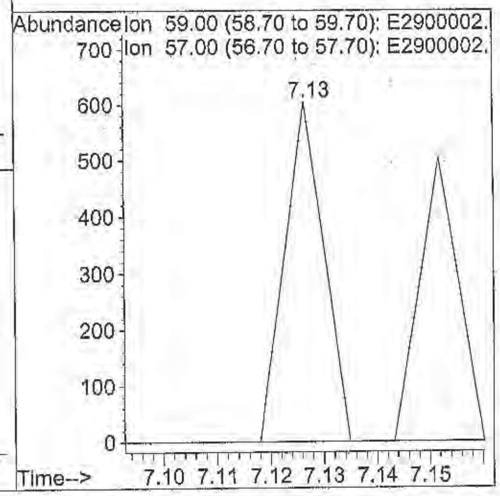


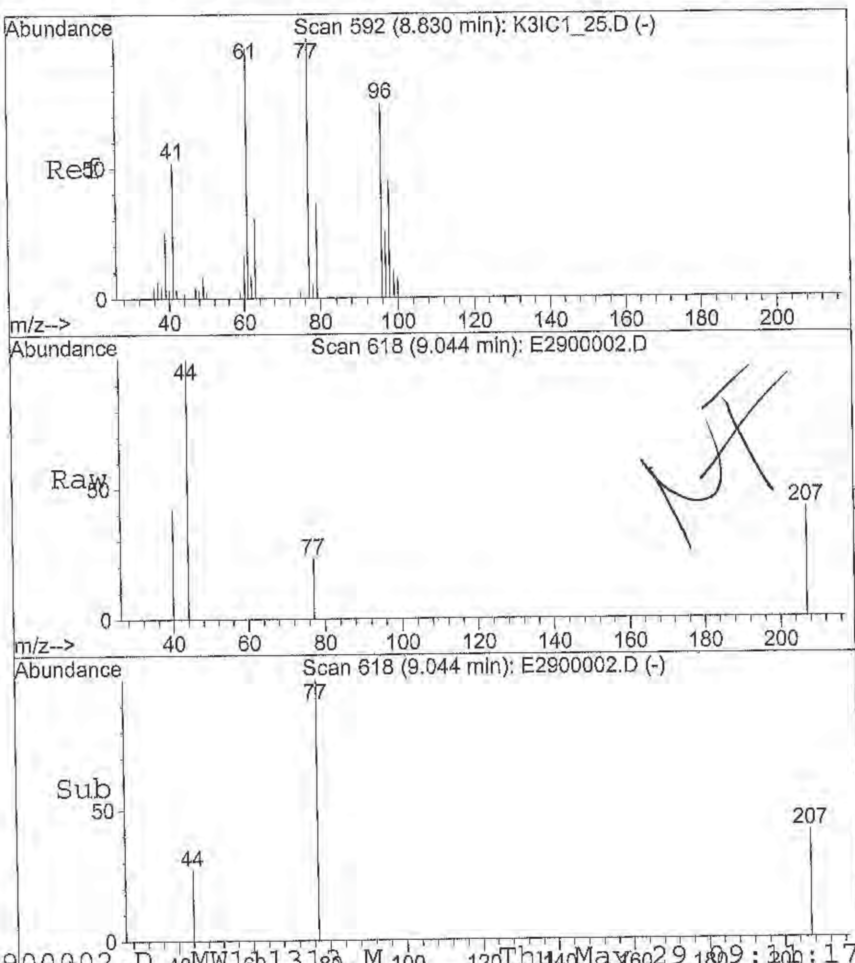


#15
(TBA) tert-Butanol
Concen: 1.14 ug/L
RT: 7.13 min Scan# 391
Delta R.T. 0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 59 Resp: 307

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

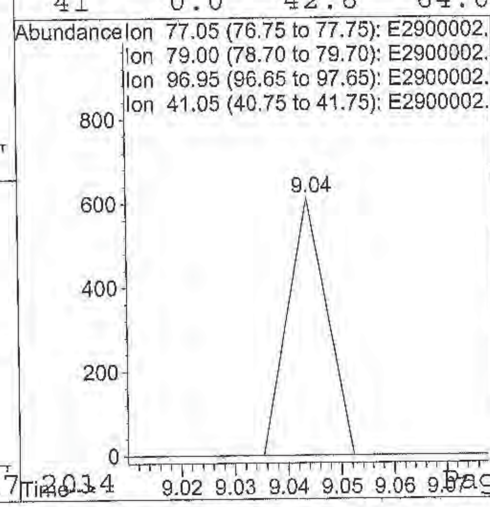


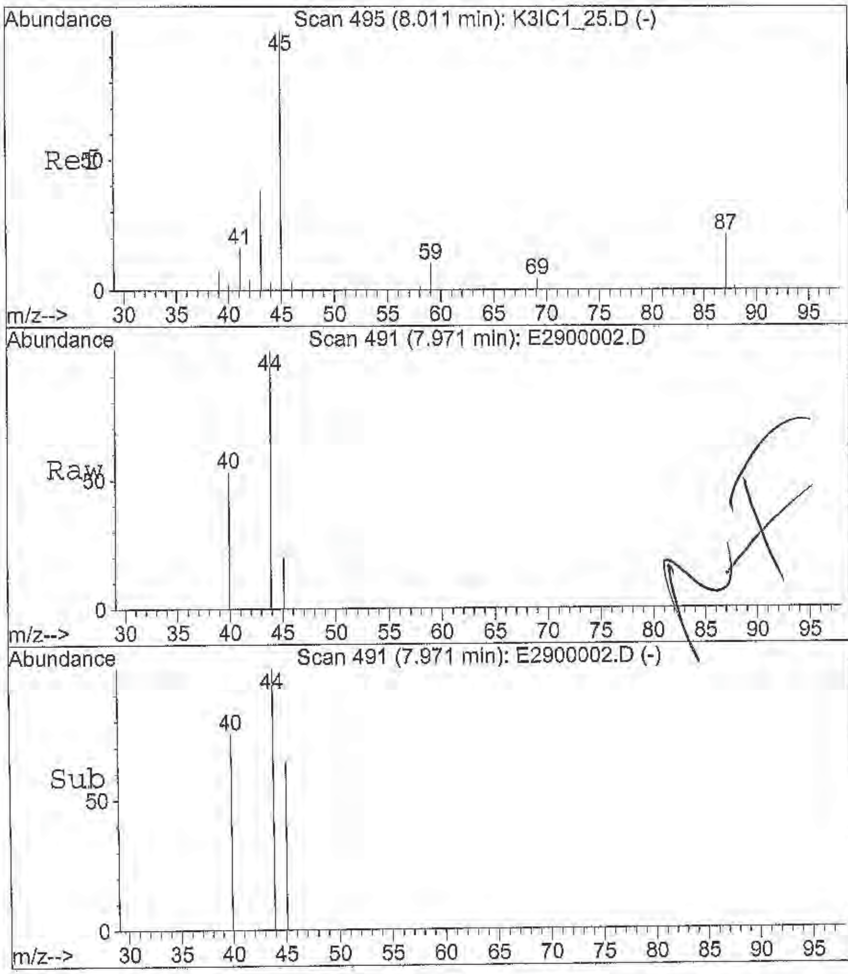


#20
2,2-Dichloropropane
Concen: 0.05 ug/L
RT: 9.04 min Scan# 618
Delta R.T. 0.21 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 77 Resp: 311

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

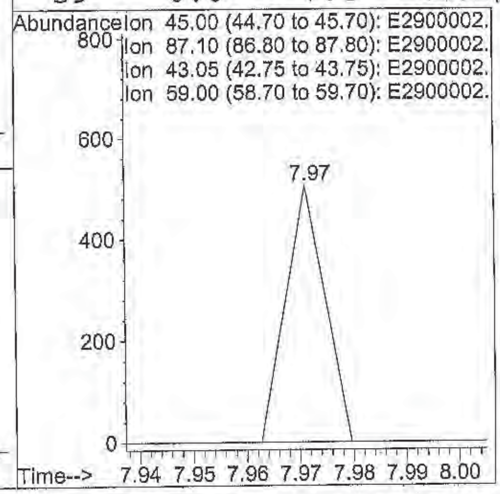


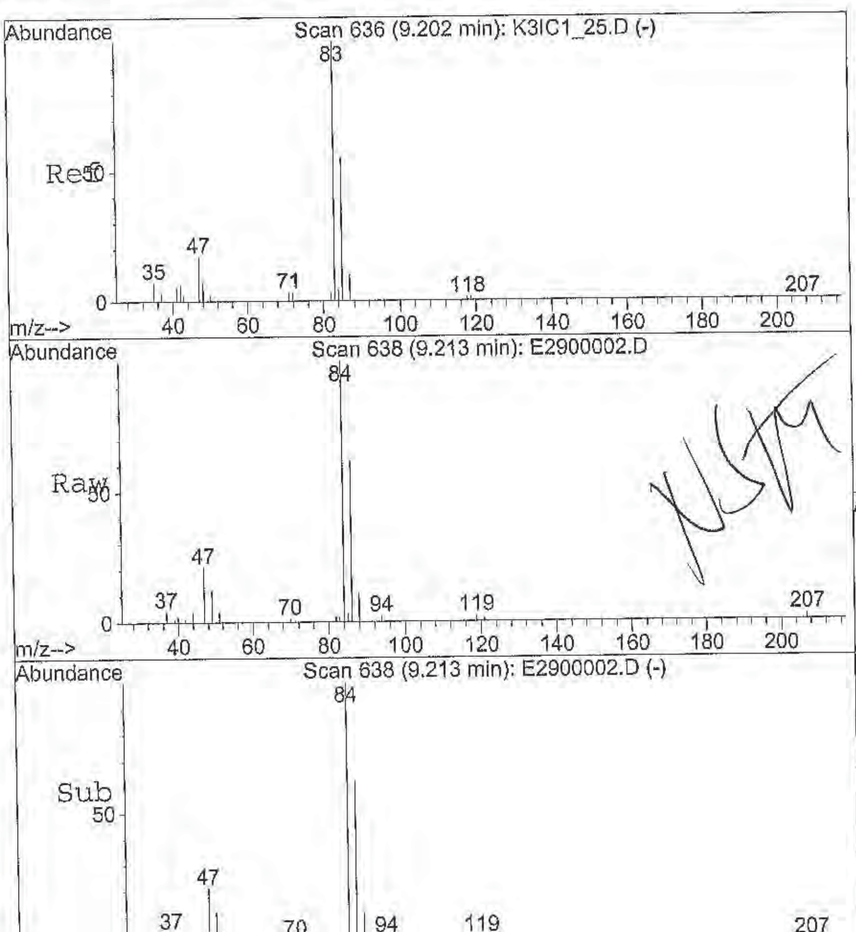


#22
(DIPE) Diisopropyl Ether
Concen: 0.02 ug/L
RT: 7.97 min Scan# 491
Delta R.T. -0.04 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 45 Resp: 256

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

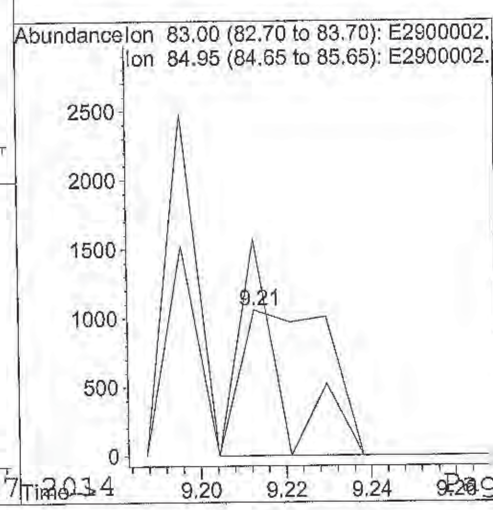


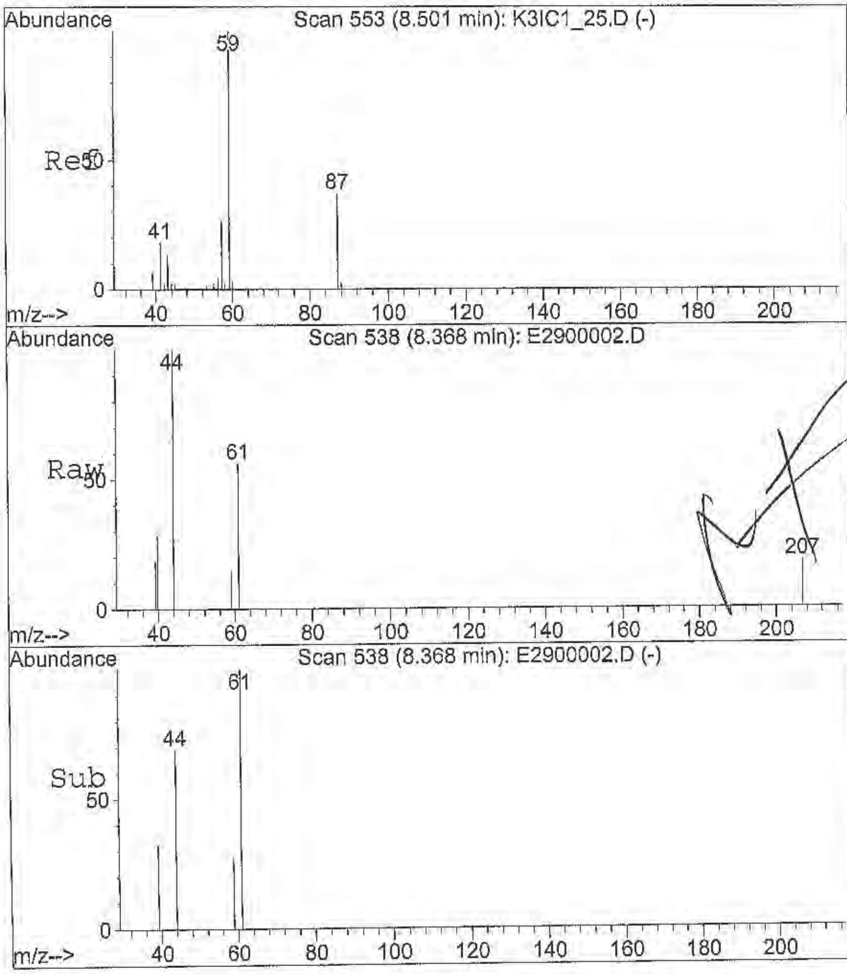


#24
Chloroform
Concen: 0.19 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 83 Resp: 1538

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

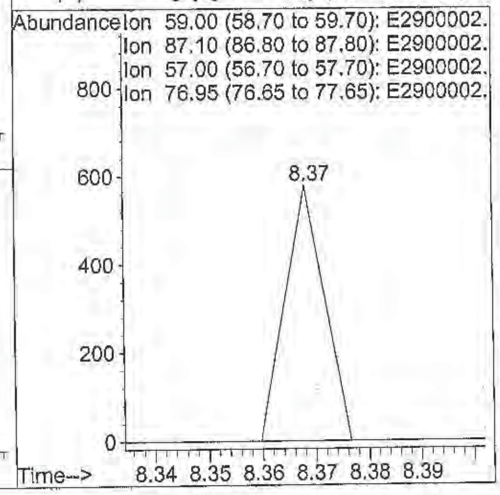


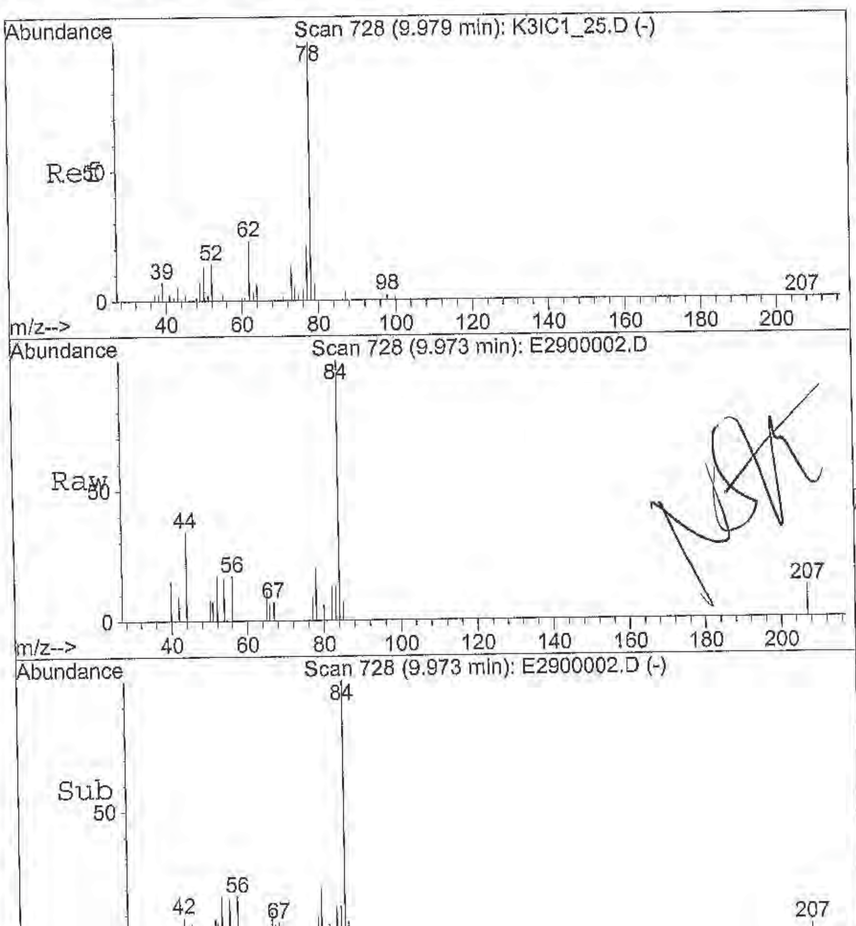


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.03 ug/L
RT: 8.37 min Scan# 538
Delta R.T. -0.13 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 59 Resp: 293

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

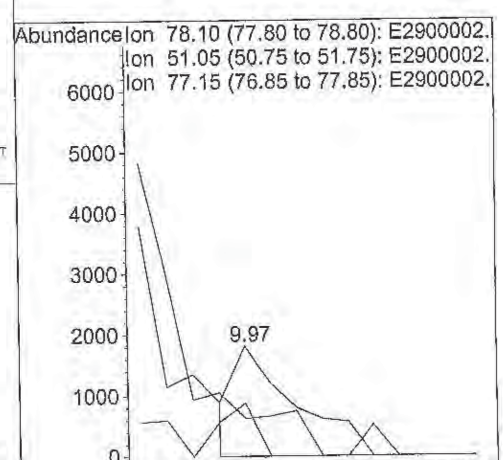


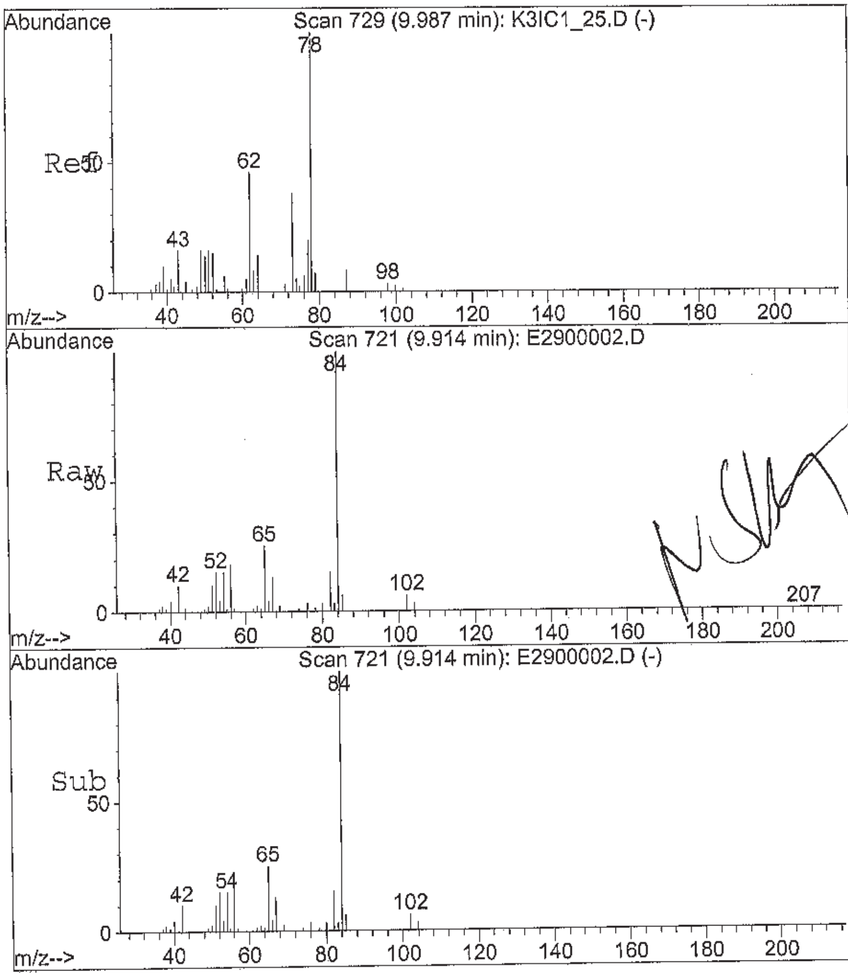


#31
Benzene
Concen: 0.17 ug/L
RT: 9.97 min Scan# 728
Delta R.T. -0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 78 Resp: 2529

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	28.7	16.6	24.8#

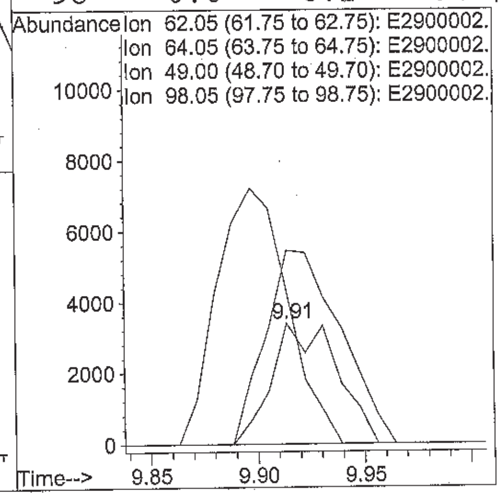


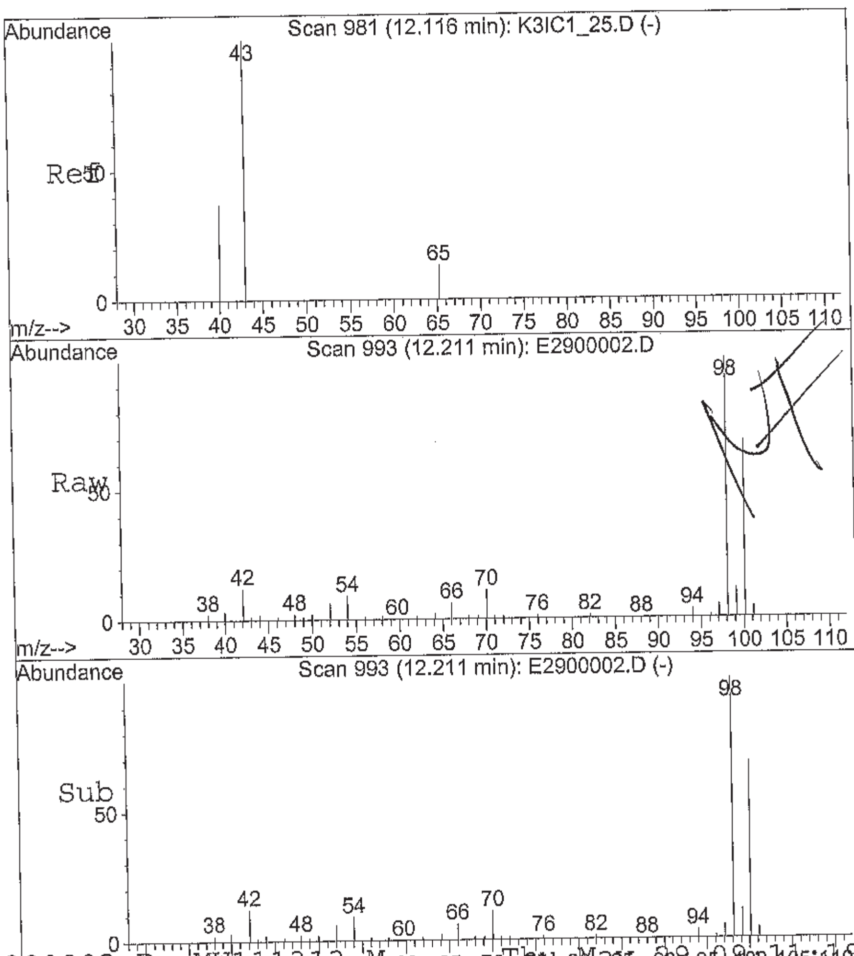


#32
1,2-Dichloroethane
Concen: 1.36 ug/L
RT: 9.91 min Scan# 721
Delta R.T. -0.07 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 62 Resp: 7172

Ion	Ratio	Lower	Upper
62	100		
64	185.4	28.0	42.0#
49	230.6	28.5	42.7#
98	0.0	6.2	9.4#

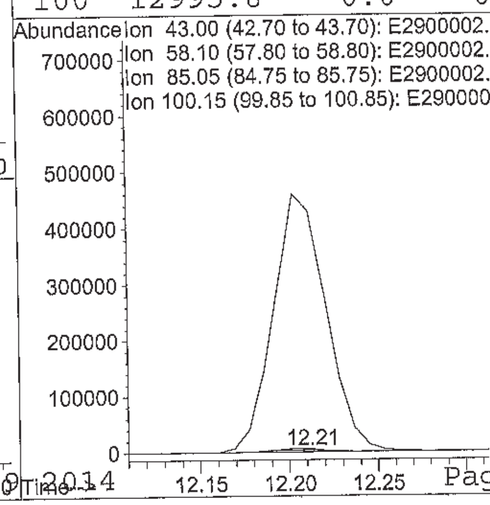


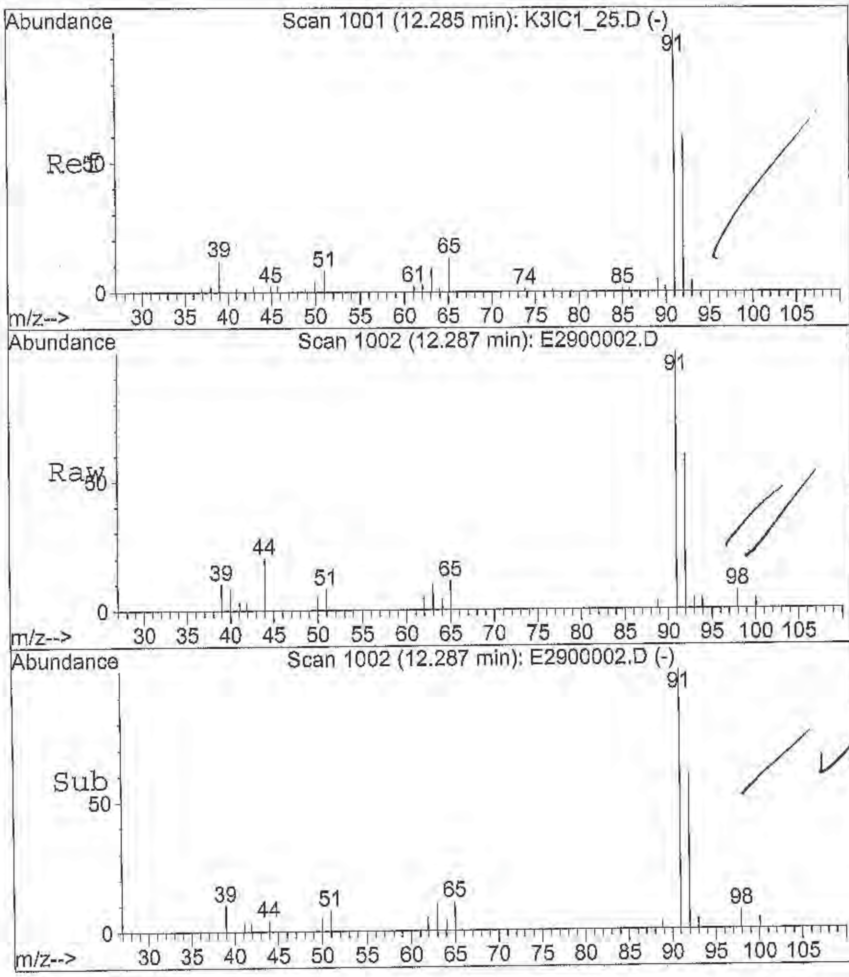


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.93 ug/L
RT: 12.21 min Scan# 993
Delta R.T. 0.10 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 43 Resp: 7284

Ion	Ratio	Lower	Upper
43	100		
58	153.0	0.0	0.0#
85	0.0	0.0	0.0
100	12995.8	0.0	0.0#

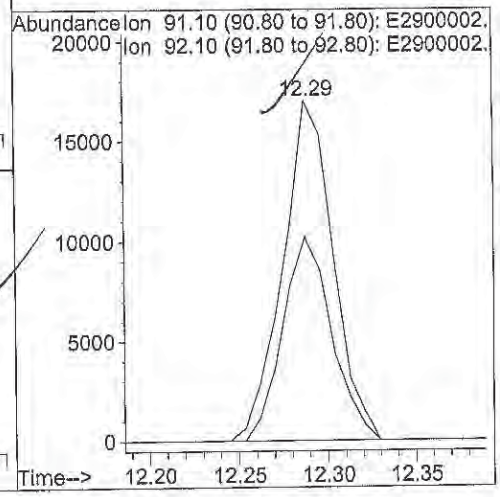


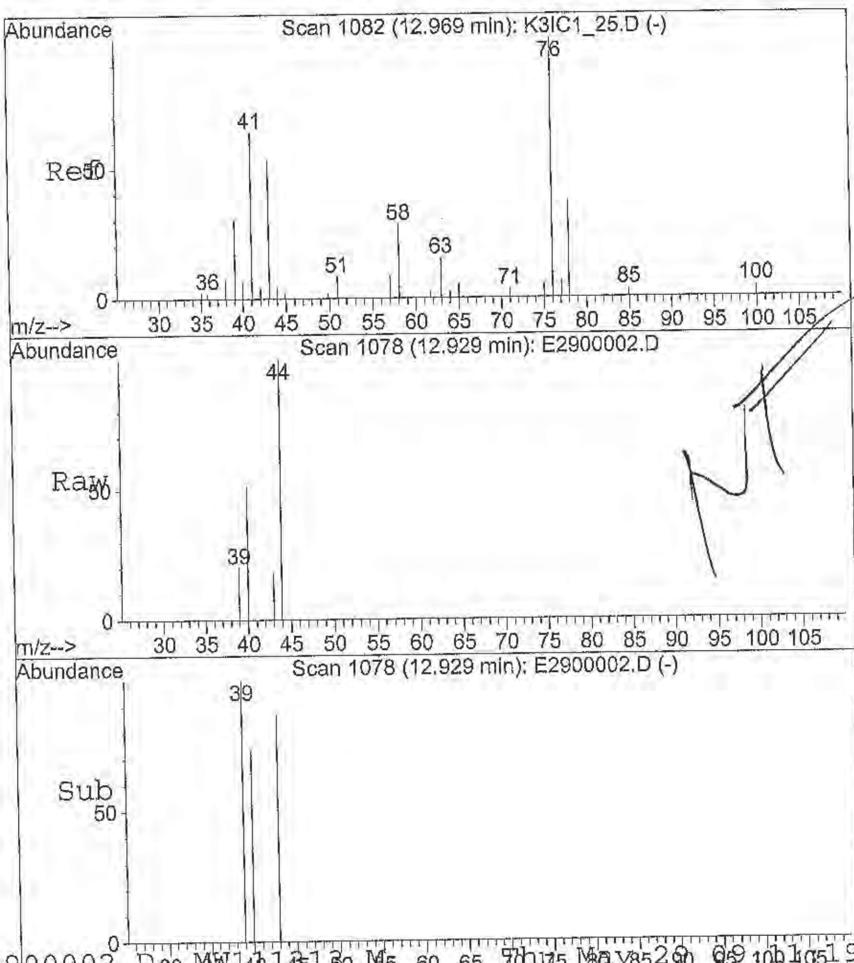


#41
Toluene
Concen: 1.97 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 91 Resp: 33408

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.4	71.0

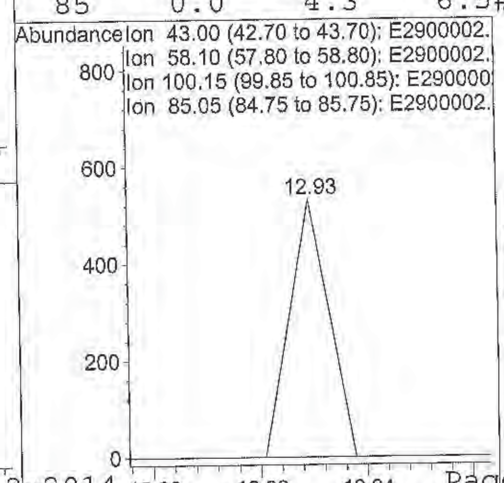


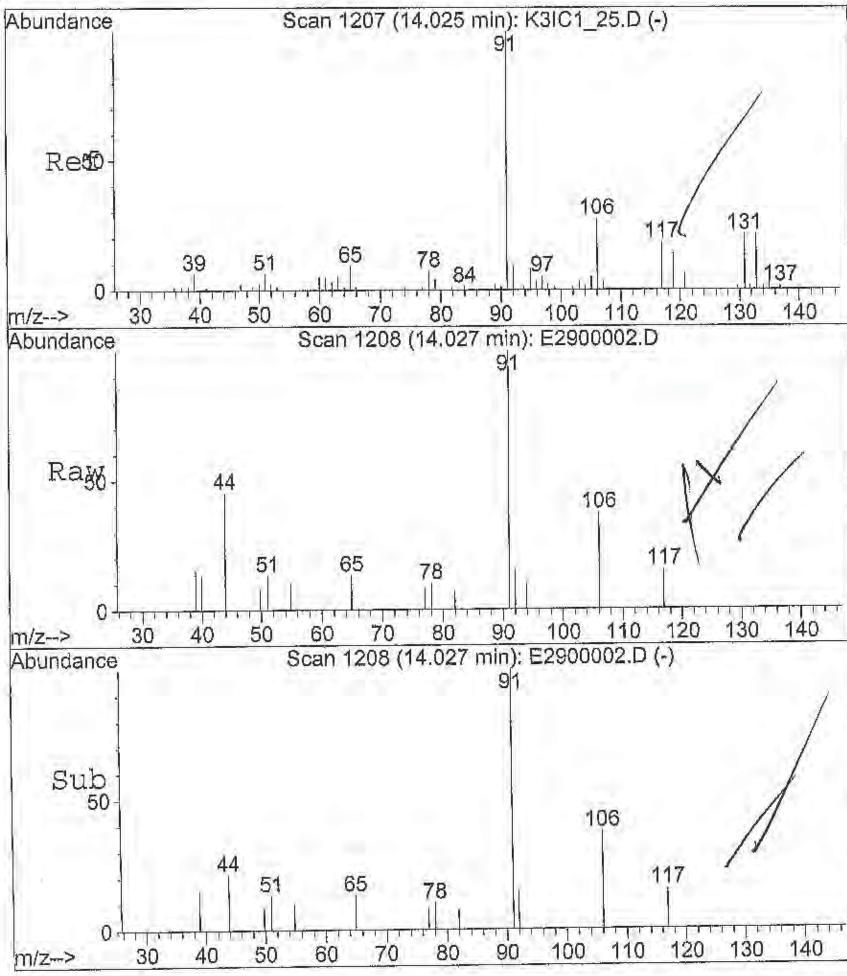


#46
2-Hexanone
Concen: 0.10 ug/L
RT: 12.93 min Scan# 1078
Delta R.T. -0.04 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 43 Resp: 270

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

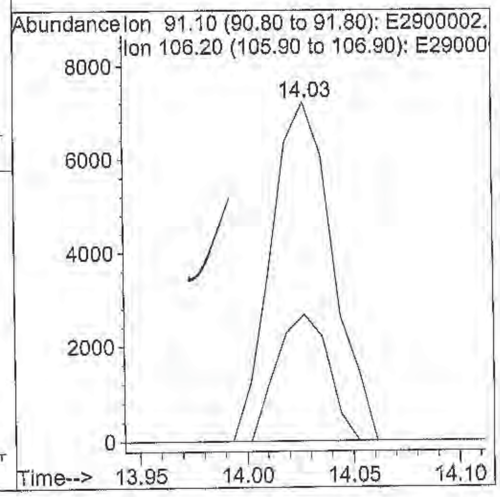


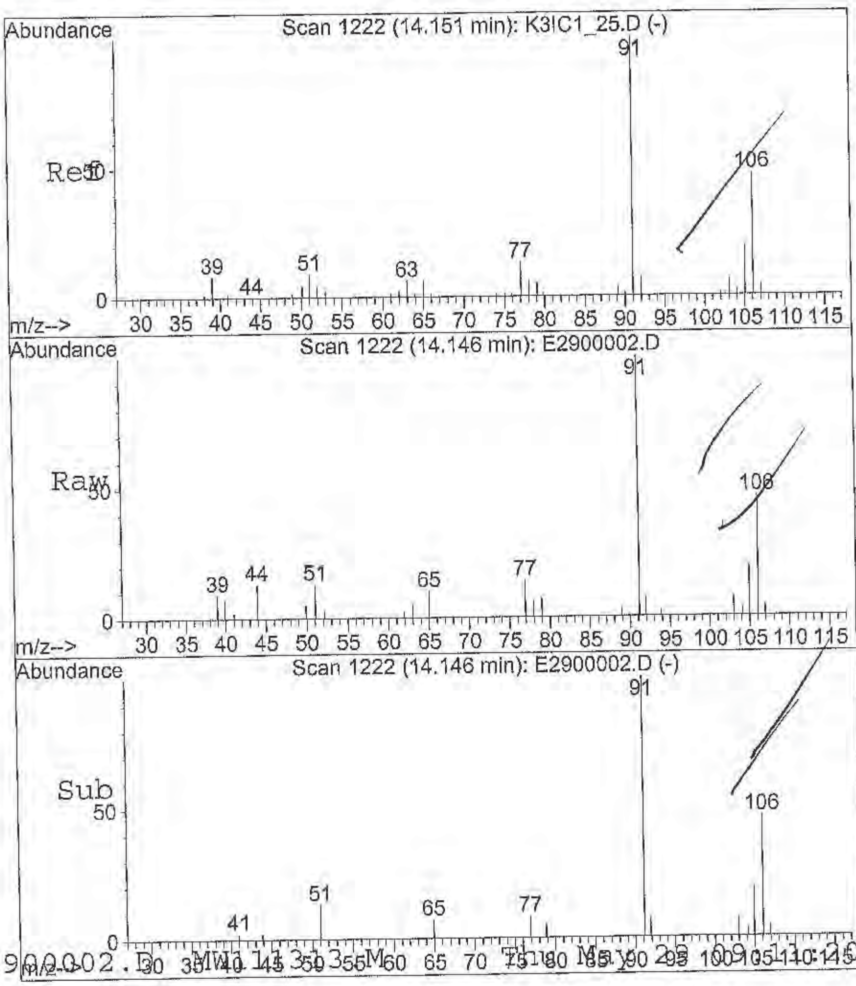


#51
Ethylbenzene
Concen: 0.75 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 91 Resp: 14449

Ion	Ratio	Lower	Upper
91	100		
106	31.2	23.5	35.3

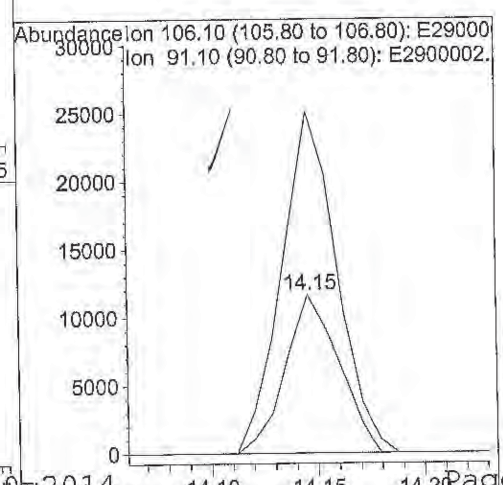


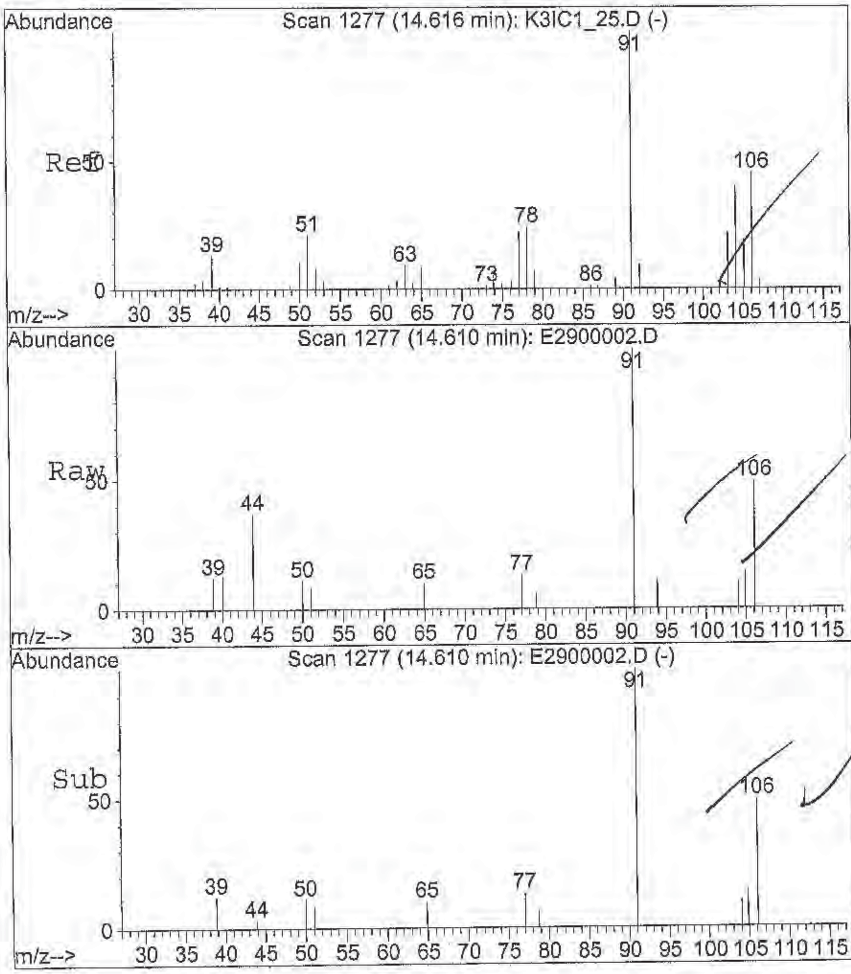


#52
m,p-Xylenes
Concen: 2.98 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:106 Resp: 20420

Ion	Ratio	Lower	Upper
106	100		
91	220.6	177.1	265.7

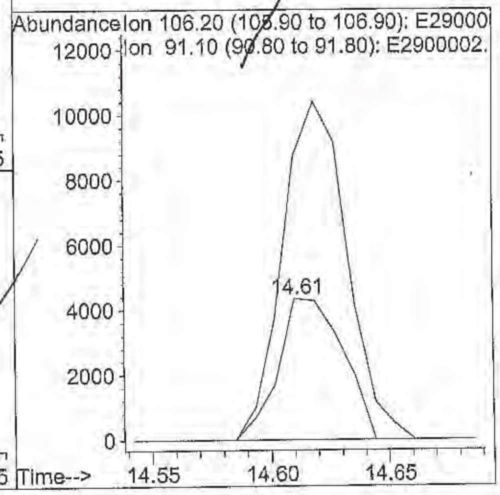


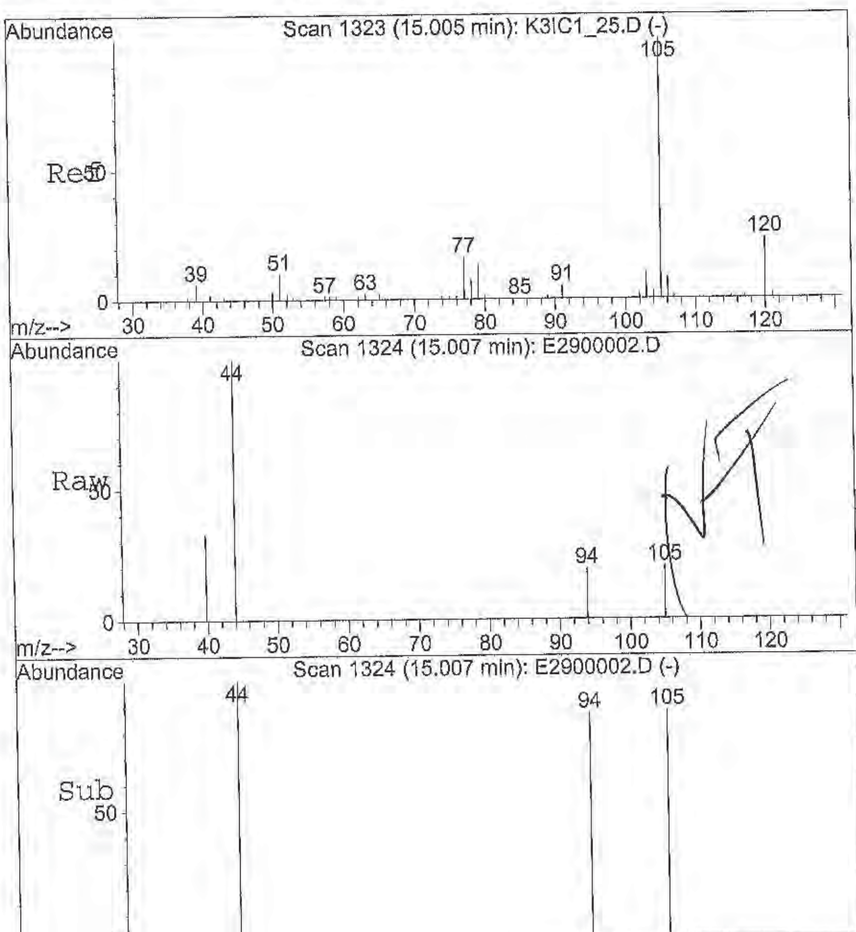


#53
o-Xylene
Concen: 1.21 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:106 Resp: 8215

Ion	Ratio	Lower	Upper
106	100		
91	239.8	179.0	268.6

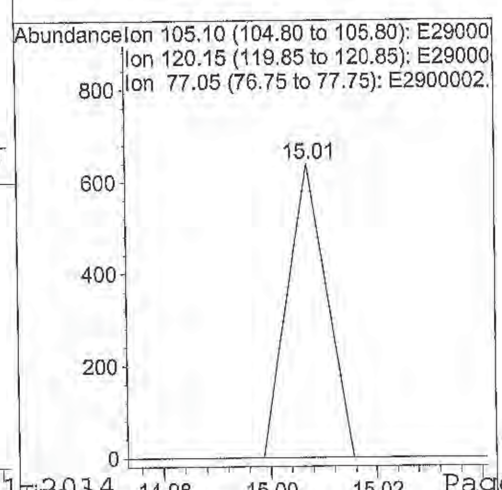


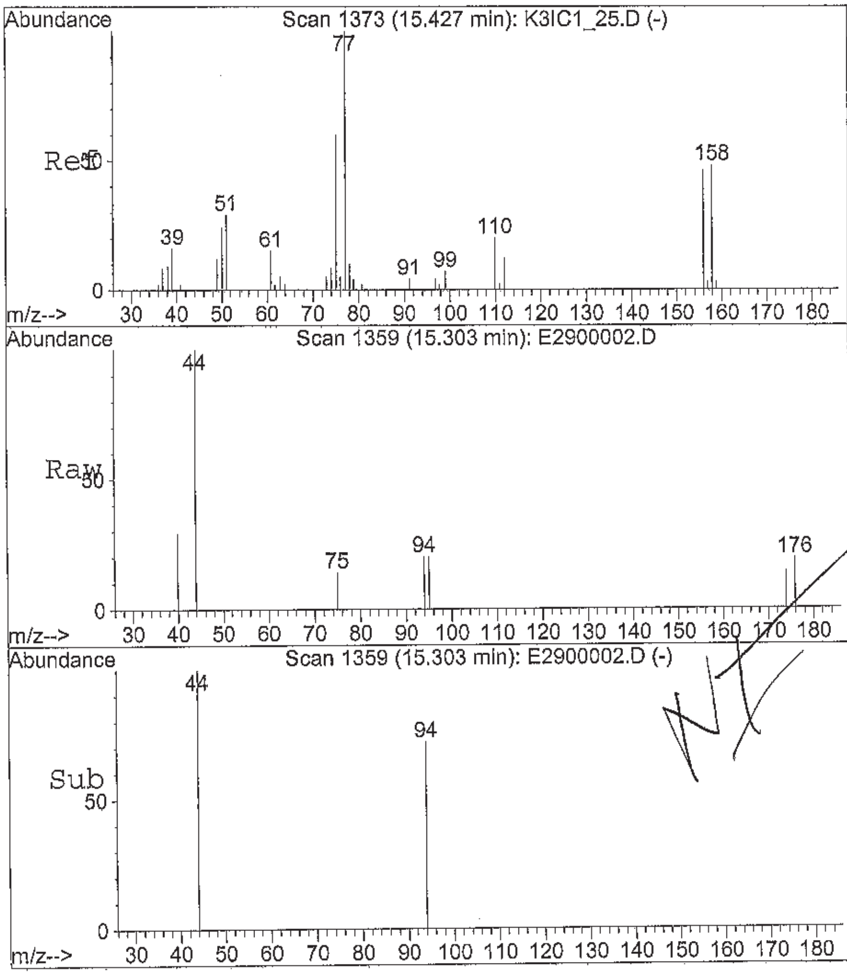


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.01 min Scan# 1324
Delta R.T. 0.00 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:105 Resp: 324

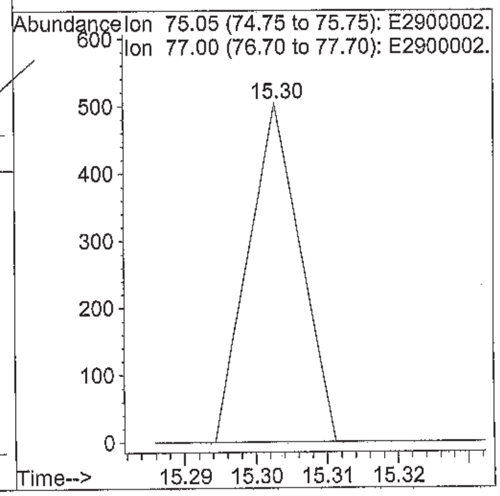
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

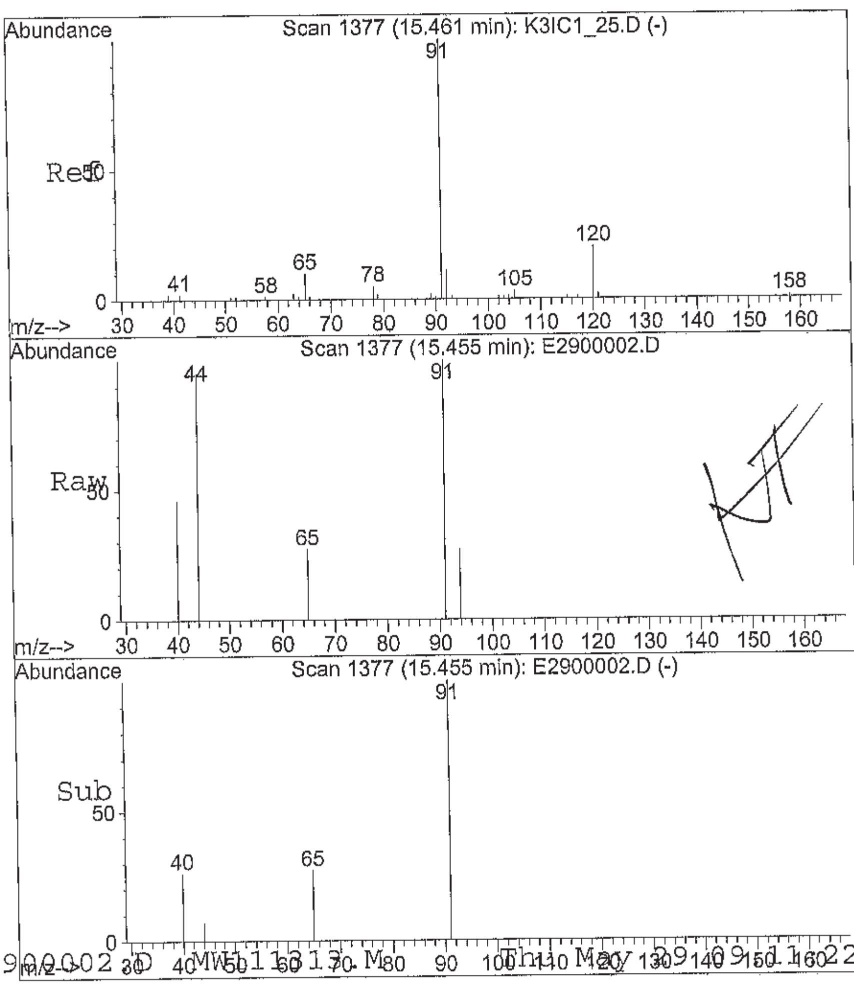




#57
1,2,3-Trichloropropane
Concen: 0.05 ug/L
RT: 15.30 min Scan# 1359
Delta R.T. -0.12 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

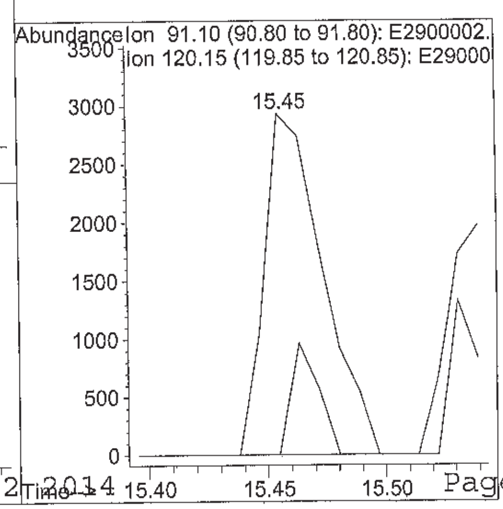
Tgt Ion:	75	Resp:	255
Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

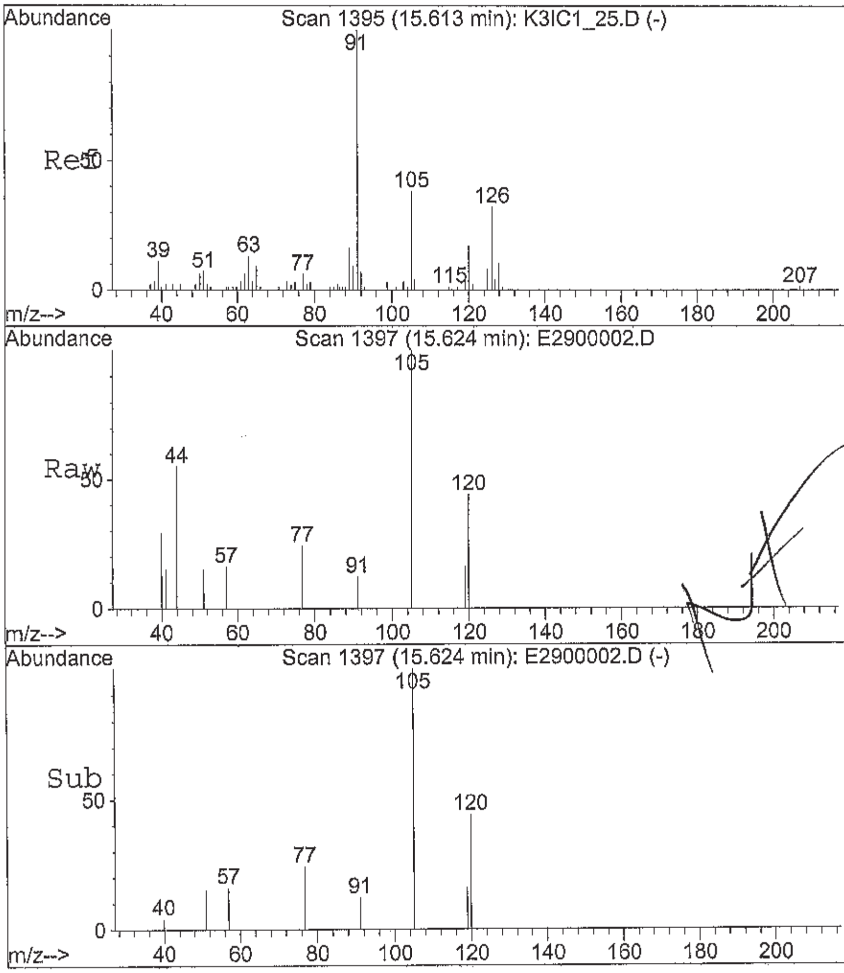




#62
n-Propylbenzene
Concen: 0.18 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:	91	Resp:	5039
Ion	Ratio	Lower	Upper
91	100		
120	15.3	16.1	24.1#

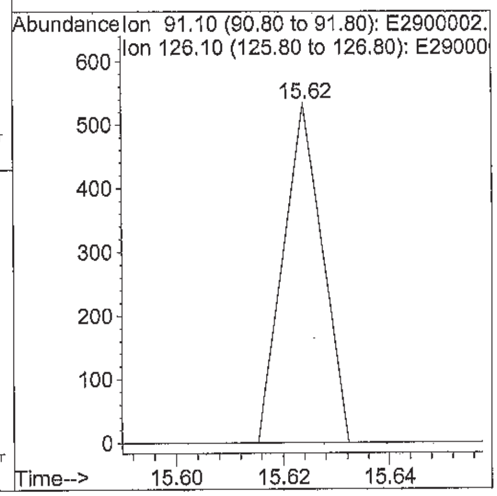


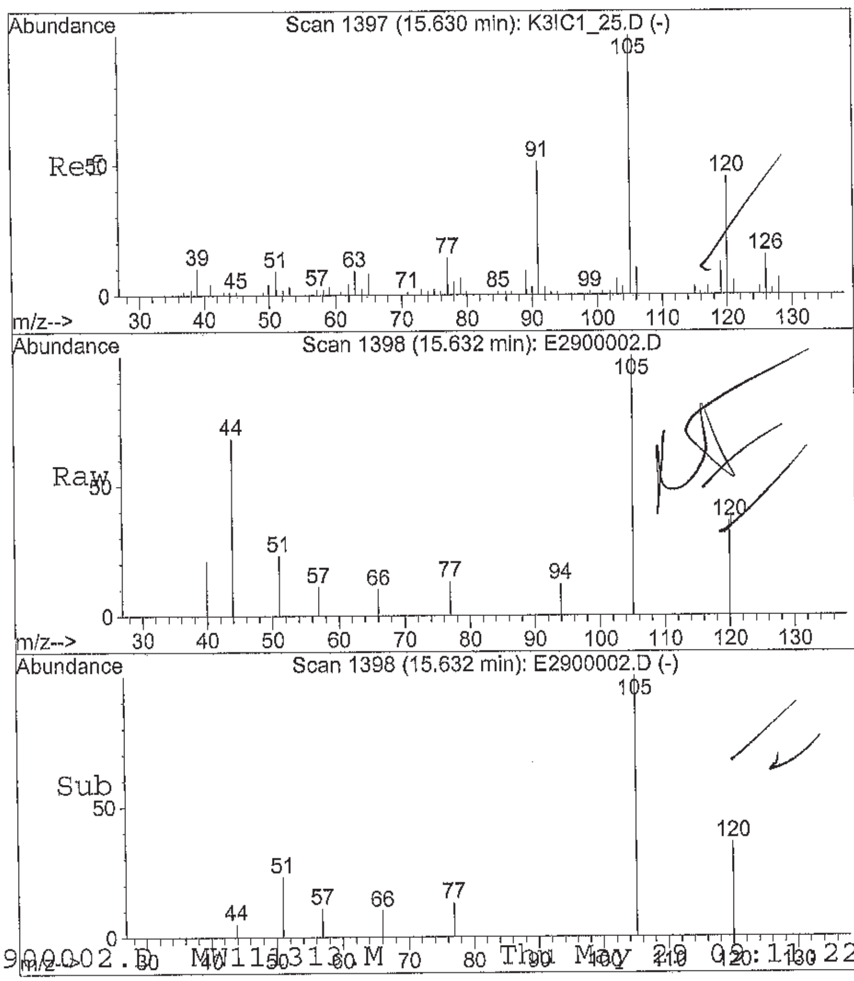


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. 0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 91 Resp: 271

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

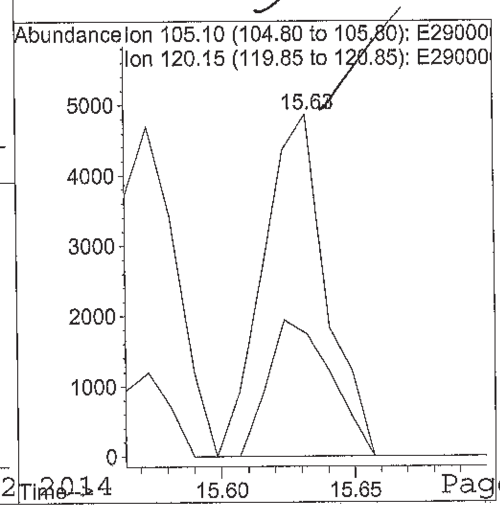


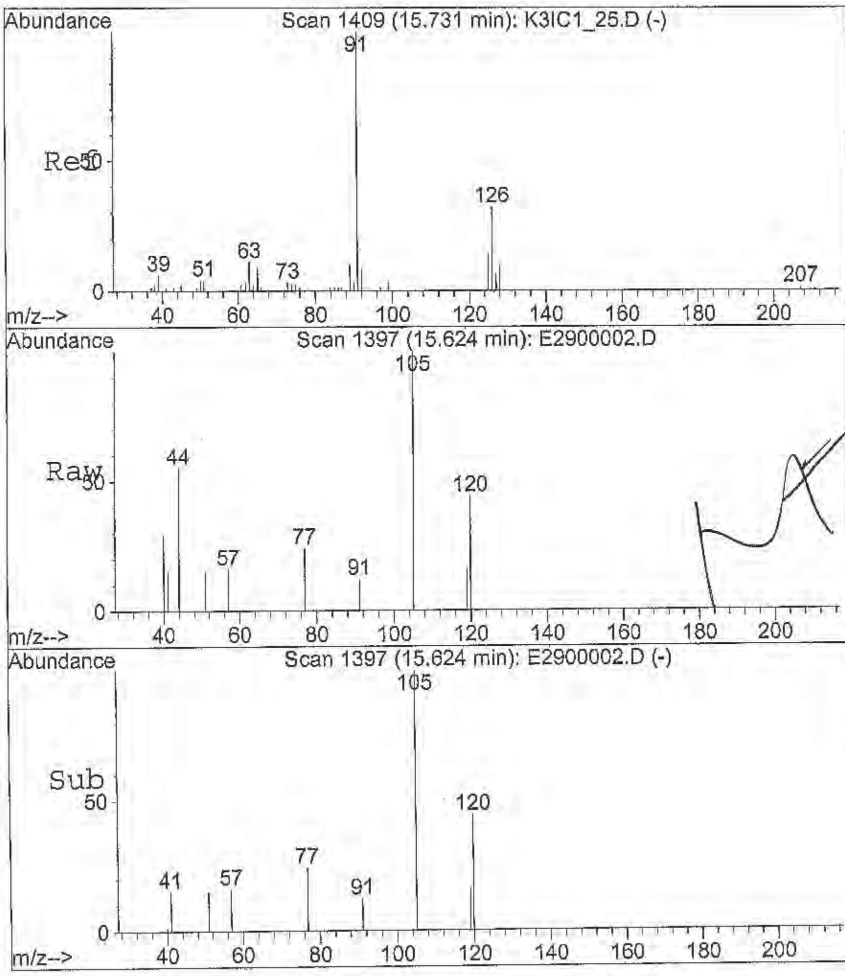


#64
1,3,5-Trimethylbenzene
Concen: 0.47 ug/L
RT: 15.63 min Scan# 1398
Delta R.T. 0.00 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:105 Resp: 7988

Ion	Ratio	Lower	Upper
105	100		
120	39.8	36.4	54.6

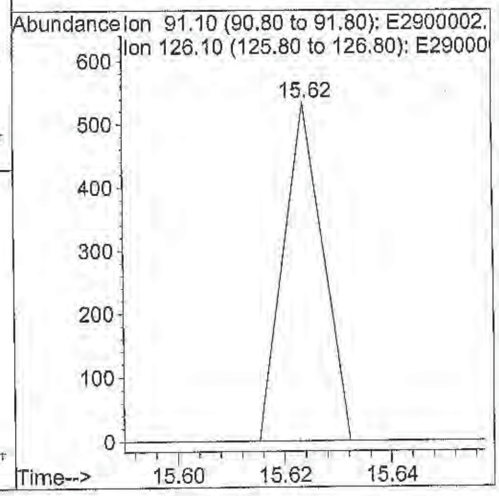


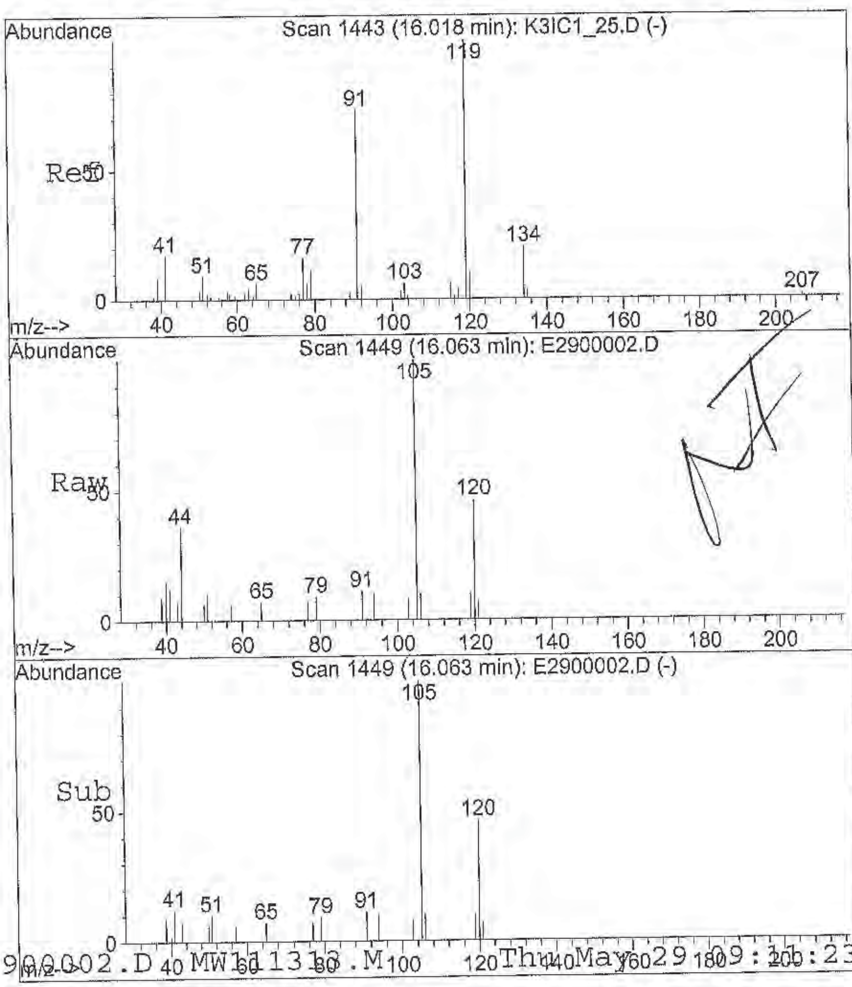


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.11 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 91 Resp: 271

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

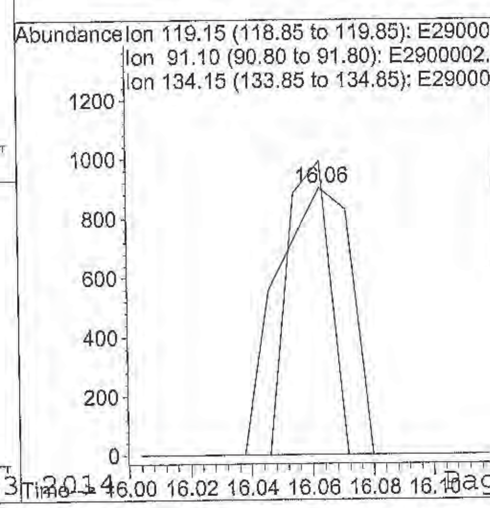


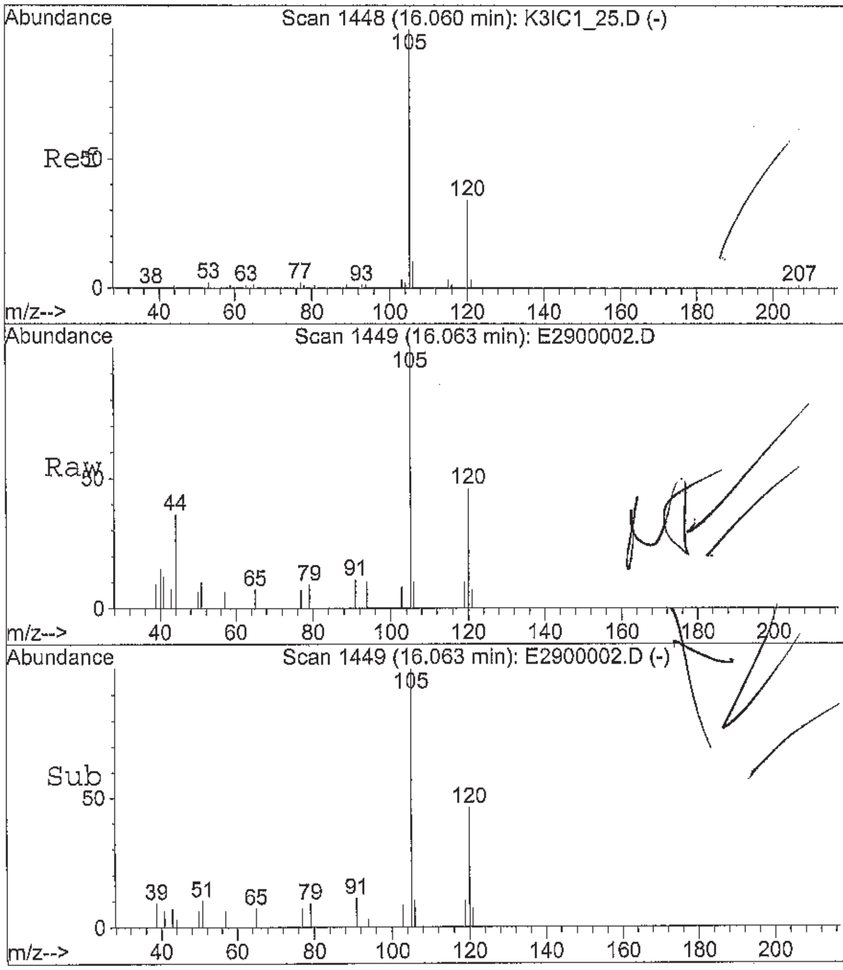


#66
tert-Butylbenzene
Concen: 0.10 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.04 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:119 Resp: 1529

Ion	Ratio	Lower	Upper
119	100		
91	62.1	56.3	84.5
134	0.0	16.1	24.1#

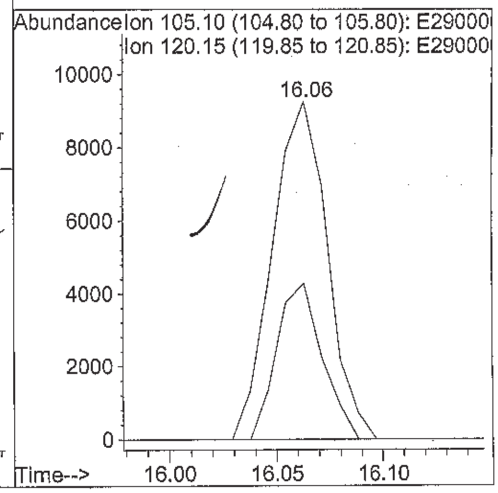


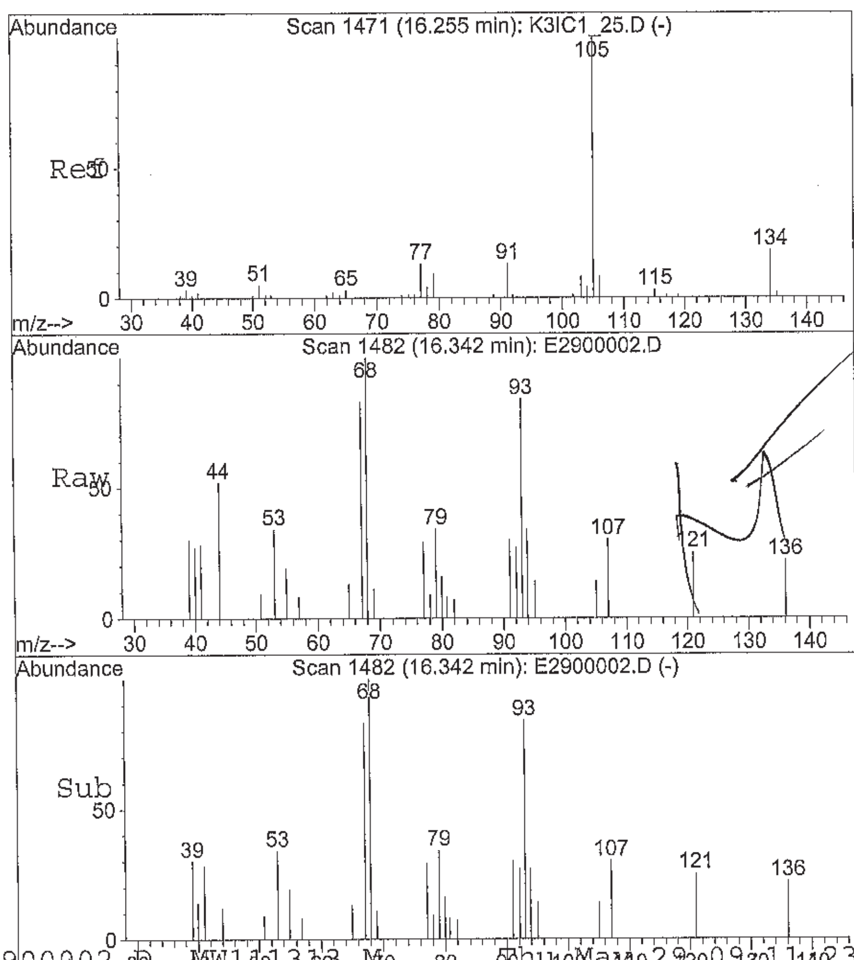


#67
1,2,4-Trimethylbenzene
Concen: 0.92 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:105 Resp: 16484

Ion	Ratio	Lower	Upper
105	100		
120	38.3	33.8	50.8

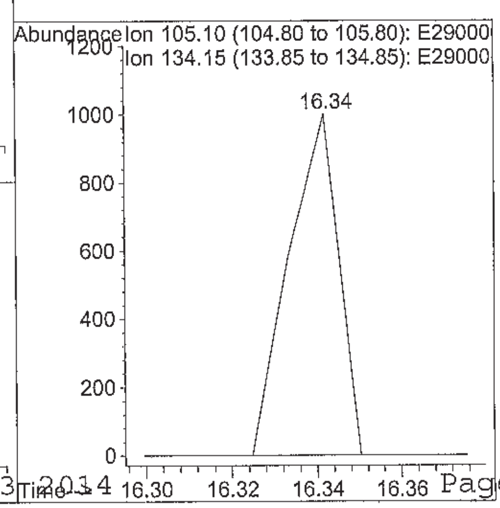


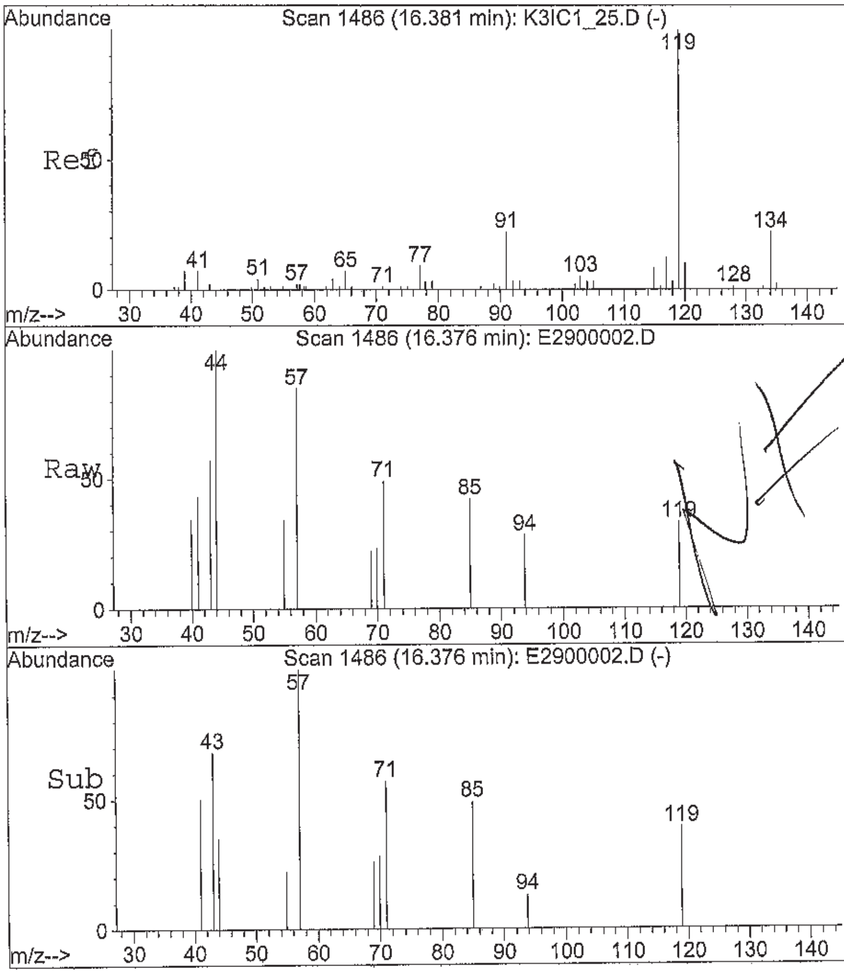


#68
sec-Butylbenzene
Concen: 0.03 ug/L
RT: 16.34 min Scan# 1482
Delta R.T. 0.09 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion:105 Resp: 800

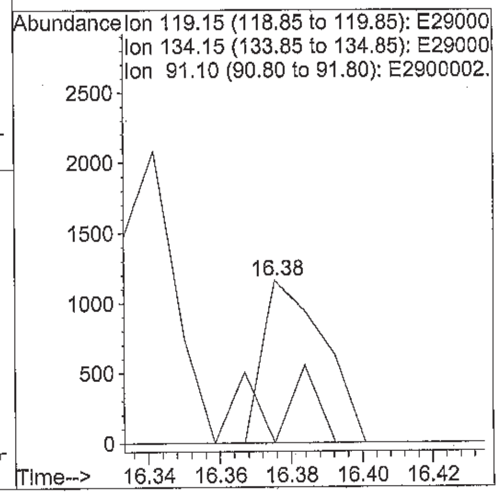
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

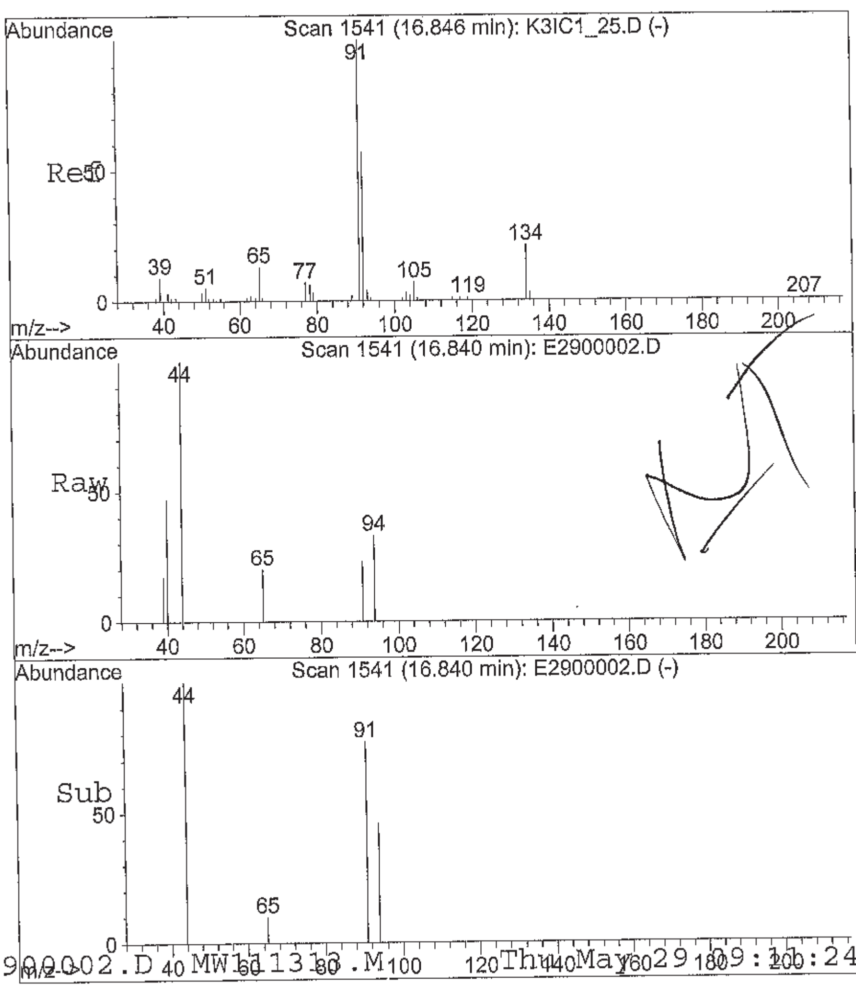




#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

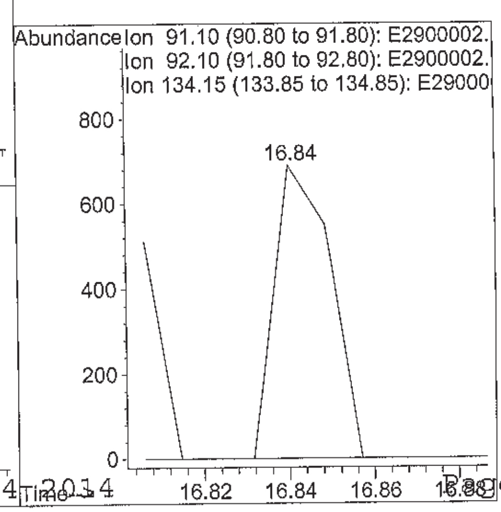
Tgt Ion:119	Resp:		1383
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#





#72
n-Butylbenzene
Concen: 0.03 ug/L
RT: 16.84 min Scan# 1541
Delta R.T. -0.01 min
Lab File: E2900002.D
Acq: 29 May 2014 8:46 am

Tgt Ion: 91	Resp:		628
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#



Data File : C:\HPCHEM\1\DATA\052914L3\E2900002.D Vial: 1
Acq On : 29 May 2014 8:46 am Operator: DN
Sample : 3E42901-02 Inst : GC/MS Ins
Misc : 100cc SVL-544-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 9:12 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1583591	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1245807	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	686848	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	445930	10.83	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	86.64%		
3) Chloroform-d (SU6)	9.19	84	695550	11.77	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	94.16%		
4) Methylene Chloride-d2 (SU5	7.06	86	386909	11.20	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	89.60%		
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	428901	15.24	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	121.92%		
6) Benzene-d6 (SU7)	9.92	84	1350642	10.87	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	86.96%		
8) Toluene-d8 (SU3)	12.20	98	1403987	11.88	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	95.04%		
9) 4-Bromofluorobenzene (SU4)	15.23	95	686956	14.08	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	112.64%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

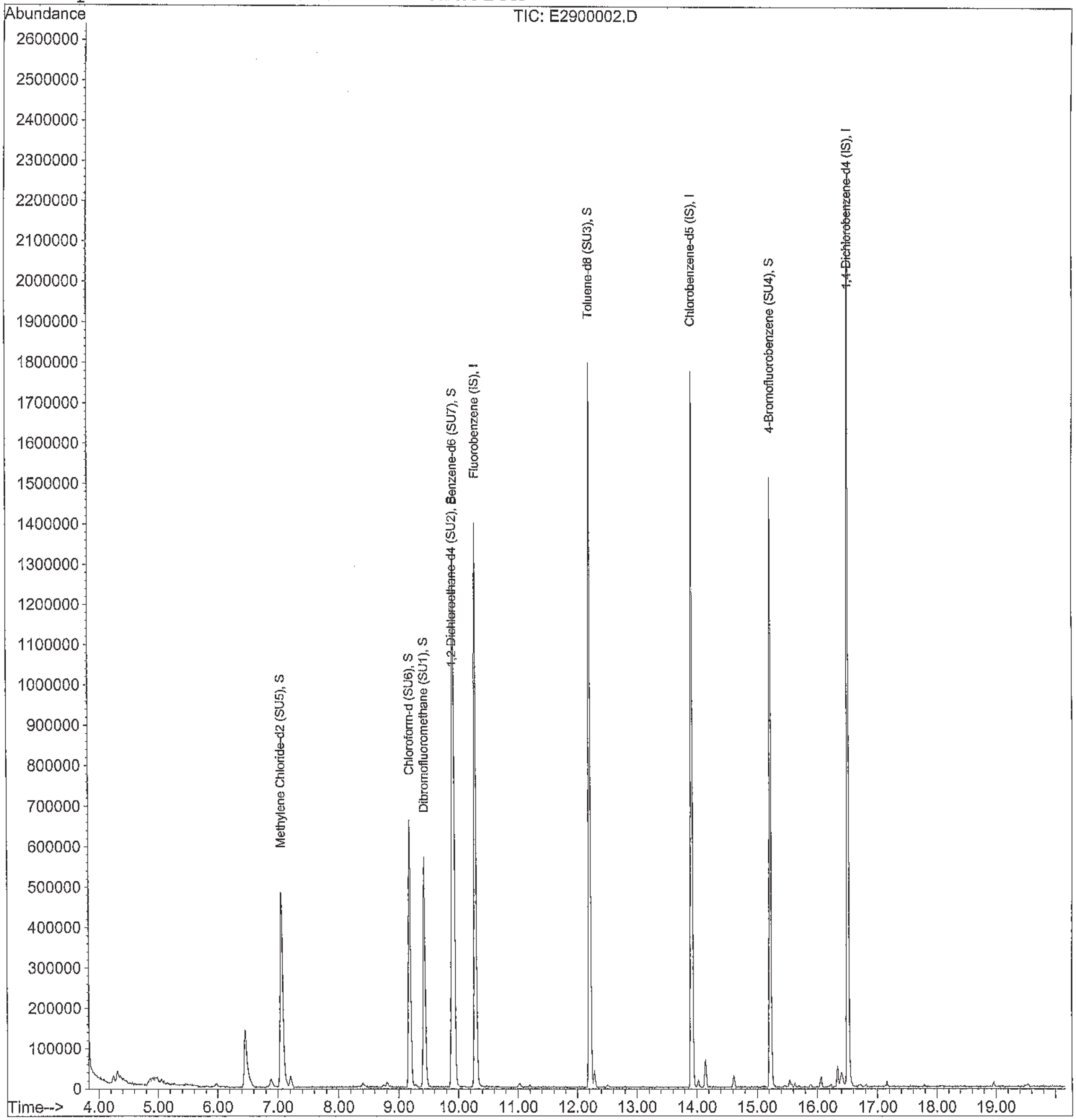
Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900002.D
Acq On : 29 May 2014 8:46 am
Sample : 3E42901-02
Misc : 100cc SVL-544-SA5D-SV-10.0-11.0
MS Integration Params: rteint.p
Quant Time: May 29 9:12 19114

Vial: 1
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900004.D   Vial: 3
Acq On : 29 May 2014 9:44 am   Operator: DN
Sample : 3E42901-03   Inst : GC/MS Ins
Misc : 100cc SVL-844-SA5D-SV-10.0-11.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 10:14 19114   Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AG

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1527639	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1240492	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	660440	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	437790	11.49	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.92%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	433414	11.97	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.76%			
39) Toluene-d8 (SU3)	12.20	98	1377058	11.90	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.20%			
58) 4-Bromofluorobenzene (SU4)	15.23	95	698892	13.78	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 110.24%			

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	254	0.07	~~ug/L~~	# NSM	44
4) Chloromethane	4.40	50	4170	0.41	~~ug/L~~	#	82
6) Bromomethane	5.07	96	2378	-0.36	~~ug/L~~	#	1
7) Chloroethane	5.22	64	1040	1.51	~~ug/L~~		93
11) Acetone	6.46	58	3498	0.77	~~ug/L~~	# NT	58
12) (IPA) Leak Check Compound	6.46	45	301468	1642.27	~~ug/L~~	# NSM	82
13) Carbon disulfide	6.83	76	5438	0.43	~~ug/L~~	#	76
14) Methylene Chloride	7.08	84	5856	1.40	~~ug/L~~	#	1
15) (TBA) tert-Butanol	7.15	59	1734	6.66	~~ug/L~~	# NT	77
24) Chloroform	9.20	83	590	0.07	~~ug/L~~	# NSM	1
25) (ETBE) 2-ethoxy 2-methyl p	8.38	59	337	0.03	~~ug/L~~	#	44
31) Benzene	9.98	78	3768	0.26	~~ug/L~~	#	66
32) 1,2-Dichloroethane	9.92	62	6222	1.22	~~ug/L~~	#	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7080	2.86	~~ug/L~~	# NT	100
41) Toluene	12.29	91	29119	1.72	ug/L	0.0344	93
46) 2-Hexanone	12.82	43	263	0.10	~~ug/L~~	# NT	37
51) Ethylbenzene	14.03	91	12707	0.66	ug/L	# 0.0132	86
52) m,p-Xylenes	14.15	106	16135	2.36	ug/L	0.0472	95
53) o-Xylene	14.63	106	4266	0.63	ug/L	# 0.0126	44
54) Styrene	14.64	104	1887	-0.68	~~ug/L~~	# NSM	43
56) Isopropylbenzene	15.22	105	1755	0.09	~~ug/L~~	#	1
62) n-Propylbenzene	15.46	91	3422	0.13	~~ug/L~~	#	73

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900004.D
Vial: 3
Acq On : 29 May 2014 9:44 am
Operator: DN
Sample : 3E42901-03
Inst : GC/MS Ins
Misc : 100cc SVL-844-SA5D-SV-10.0-11.0
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 10:14 19114
Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	2-Chlorotoluene	15.54	91	877	0.05 ~~ug/L #~~	45
64)	1,3,5-Trimethylbenzene	15.62	105	4049	0.25 ug/L # 0.005	68
65)	4-Chlorotoluene	15.54	91	877	0.06 ~~ug/L #~~	44
66)	tert-Butylbenzene	16.07	119	768	0.05 ~~ug/L #~~	1
67)	1,2,4-Trimethylbenzene	16.06	105	8420	0.49 ug/L 0.008	88
68)	sec-Butylbenzene	16.32	105	389	0.02 ~~ug/L #~~	62
69)	p-Isopropyltoluene	16.38	119	293	0.02 ~~ug/L~~ #	52
72)	n-Butylbenzene	16.79	91	318	0.02 ~~ug/L #~~	30

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\052914L3\E2900004.D          Vial: 3
Acq On    : 29 May 2014   9:44 am                     Operator: DN
Sample    : 3E42901-03                                Inst    : GC/MS Ins
Misc      : 100cc  SVL-844-SA5D-SV-10.0-11.0          Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 10:14 19114               Quant Results File: MW111313.RES

Method       : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13   DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
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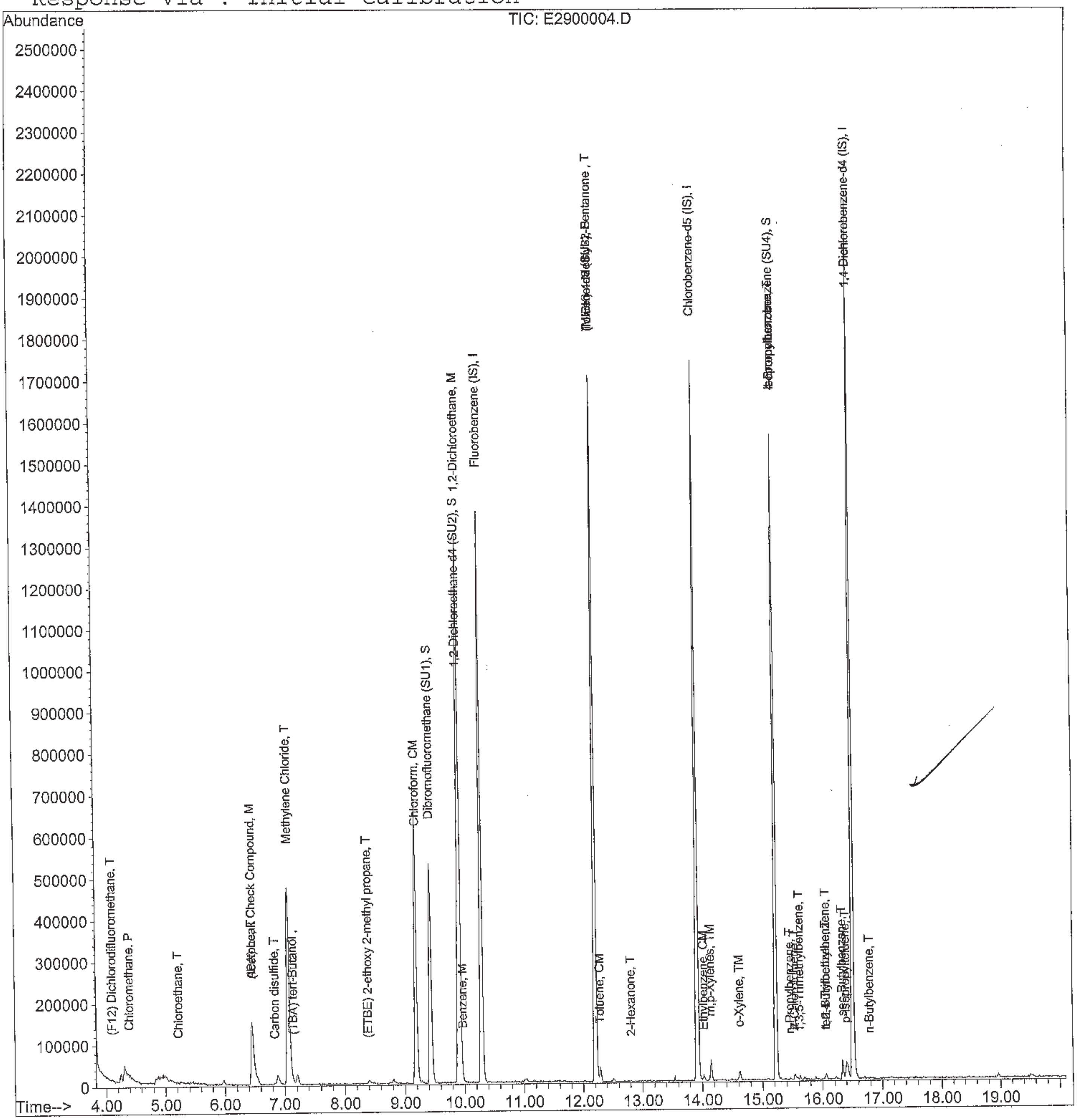
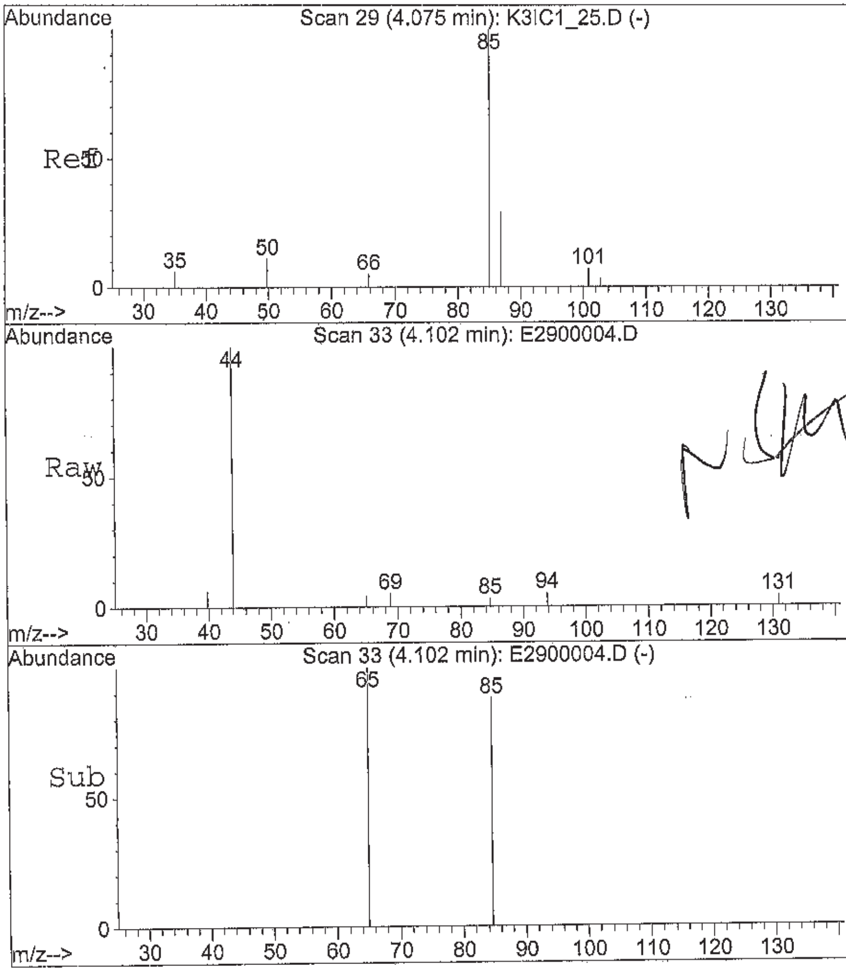
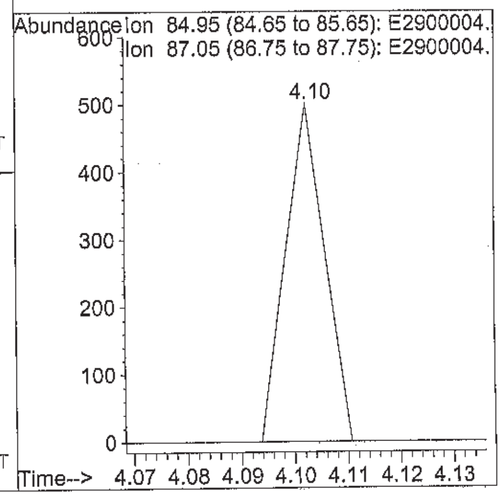


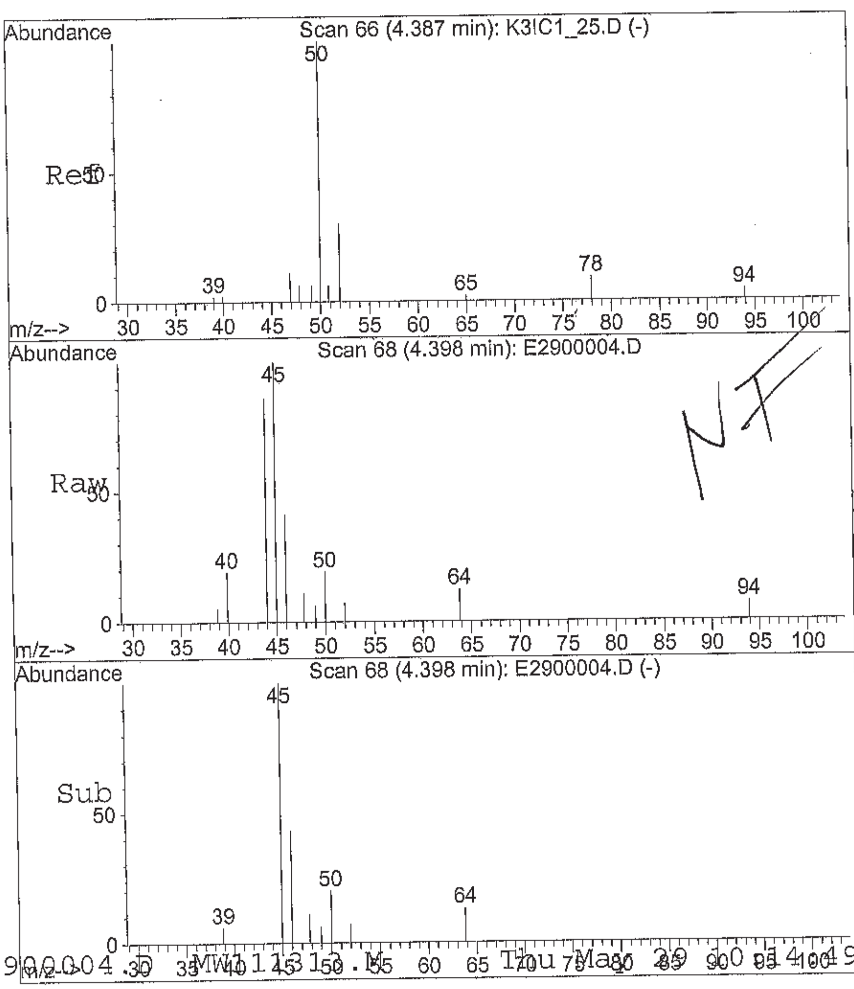


#3
(F12) Dichlorodifluoromethane
Concen: 0.07 ug/L
RT: 4.10 min Scan# 33
Delta R.T. 0.03 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 85 Resp: 254

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

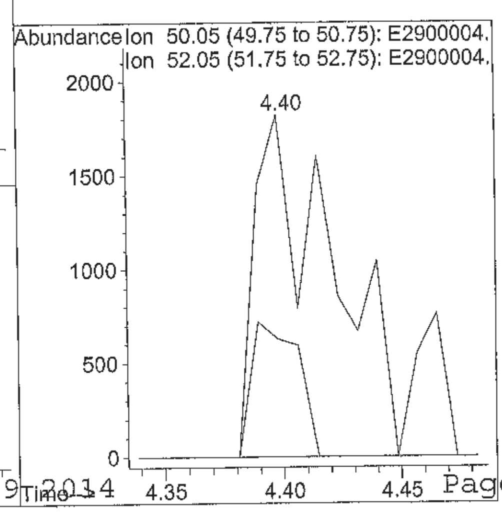


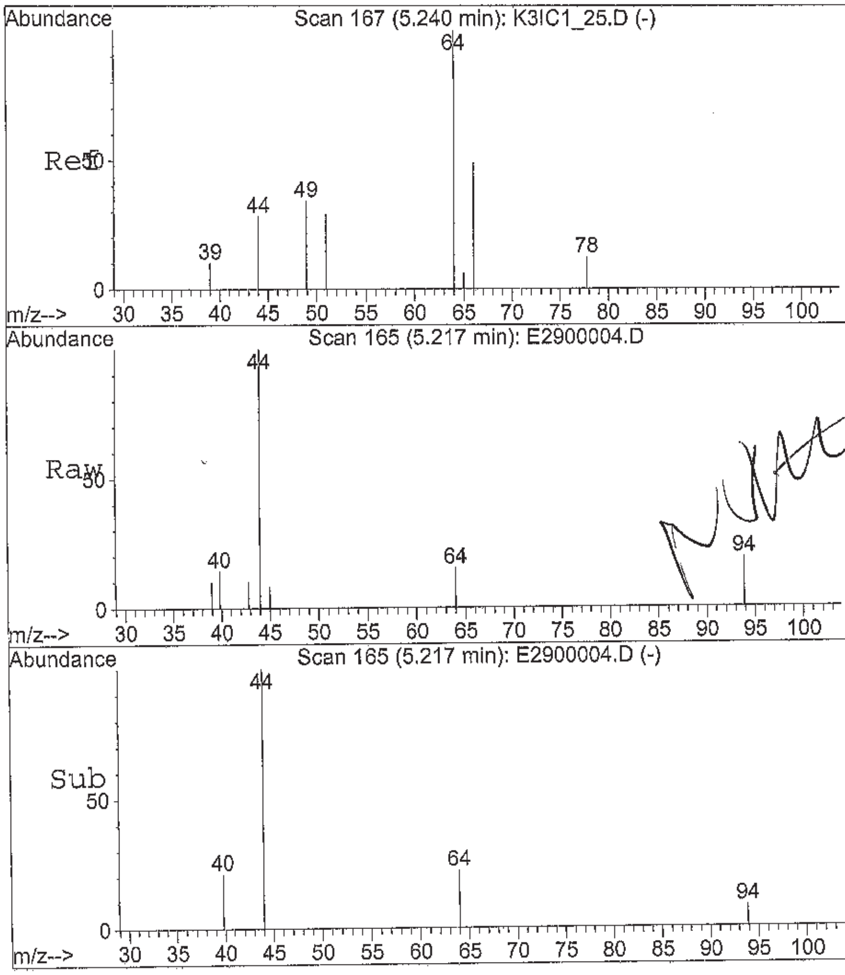


#4
Chloromethane
Concen: 0.41 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.01 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 50 Resp: 4170

Ion	Ratio	Lower	Upper
50	100		
52	23.5	26.9	40.3#

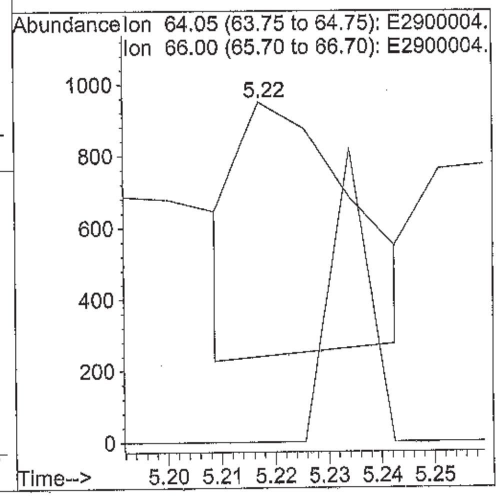


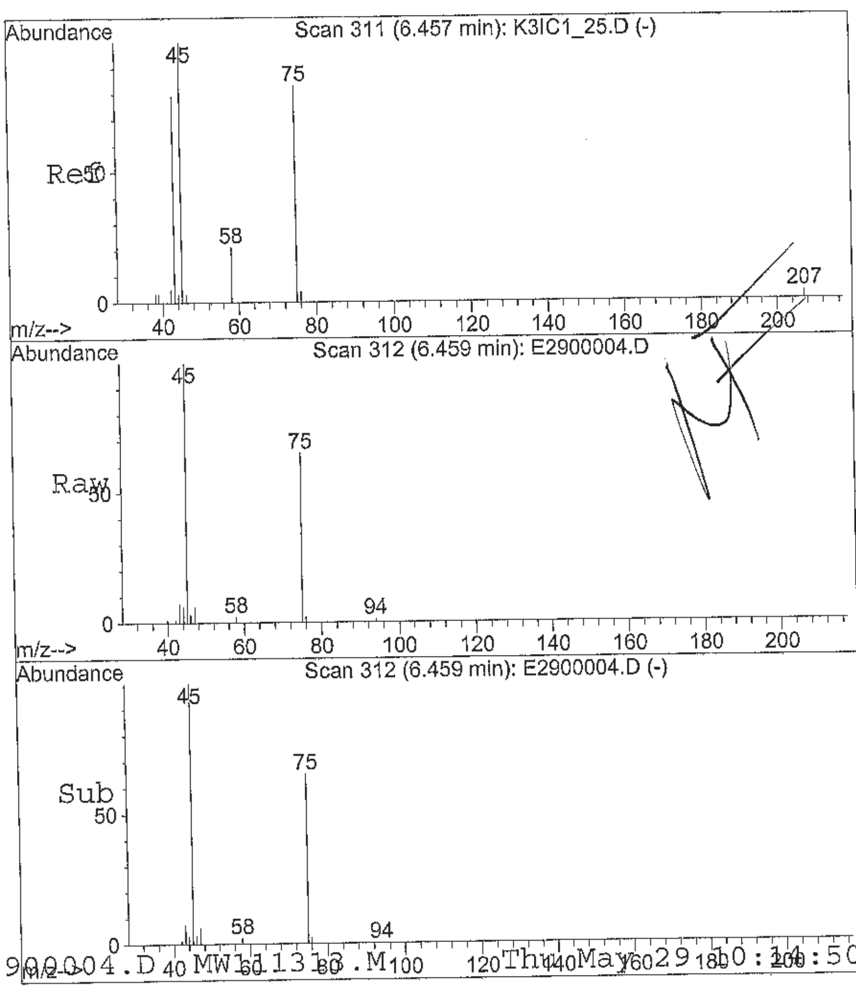


#7
Chloroethane
Concen: 1.51 ug/L
RT: 5.22 min Scan# 165
Delta R.T. -0.02 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 64 Resp: 1040

Ion	Ratio	Lower	Upper
64	100		
66	39.8	35.4	53.0

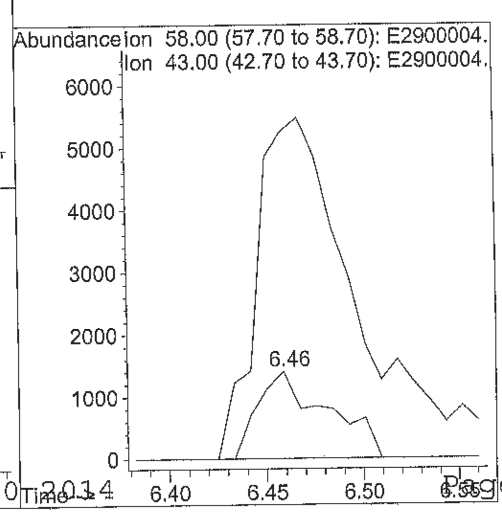


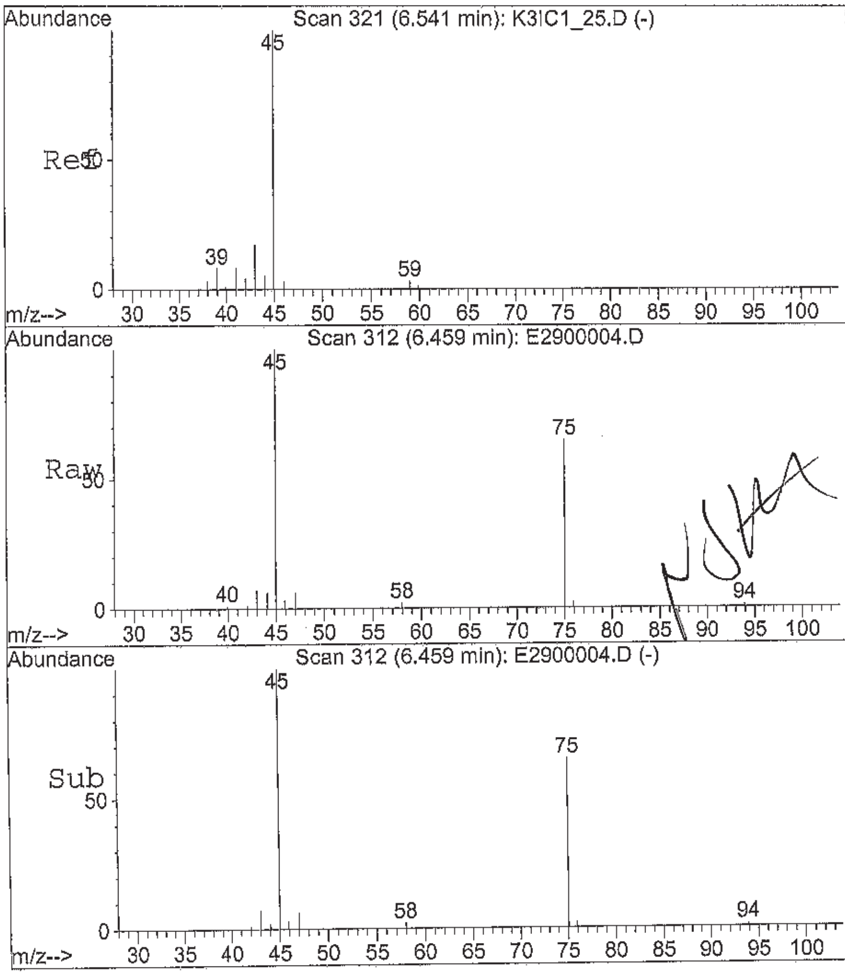


#11
Acetone
Concen: 0.77 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 58 Resp: 3498

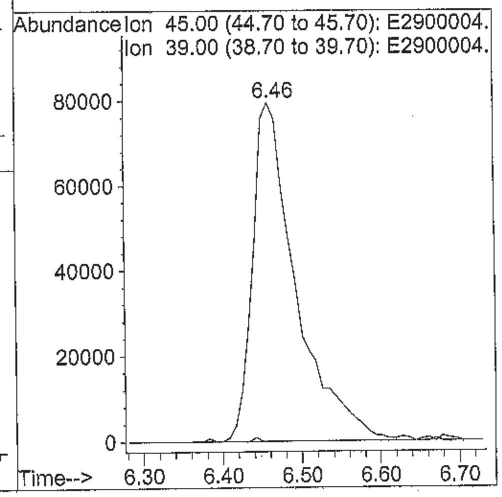
Ion	Ratio	Lower	Upper
58	100		
43	559.9	360.9	541.3#

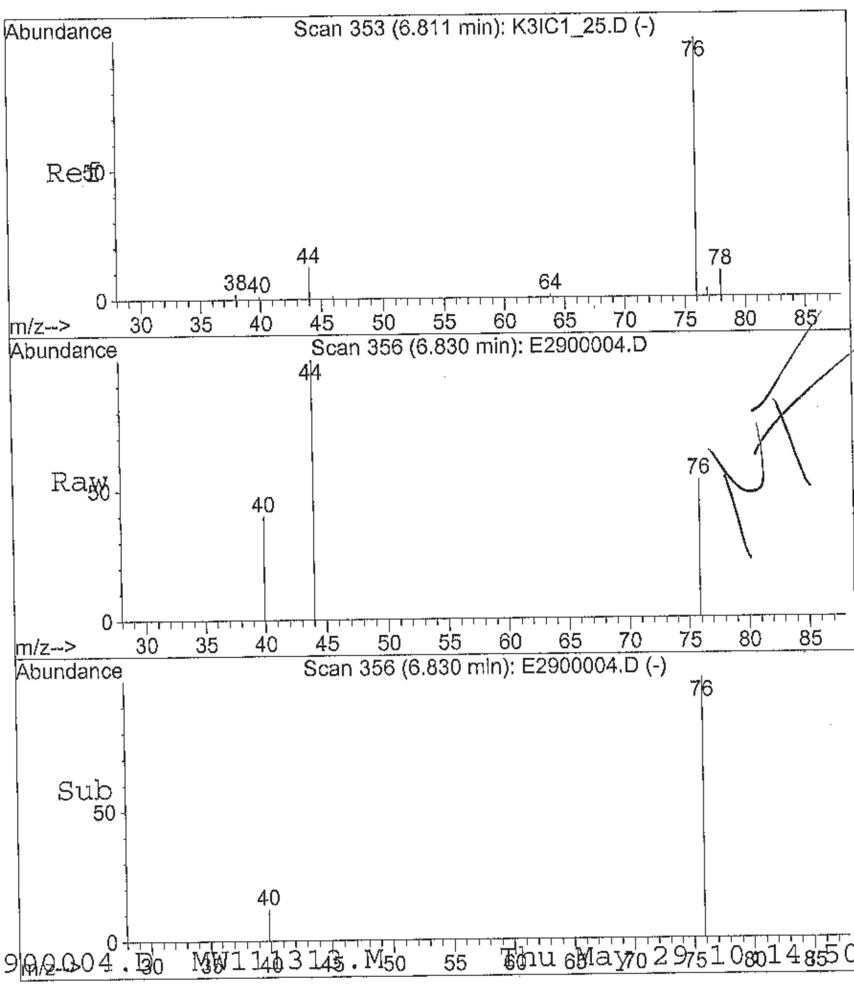




#12
(IPA) Leak Check Compound
Concen: 1642.27 ug/L
RT: 6.46 min   Scan# 312
Delta R.T.   -0.08 min
Lab File: E2900004.D
Acq: 29 May 2014   9:44 am

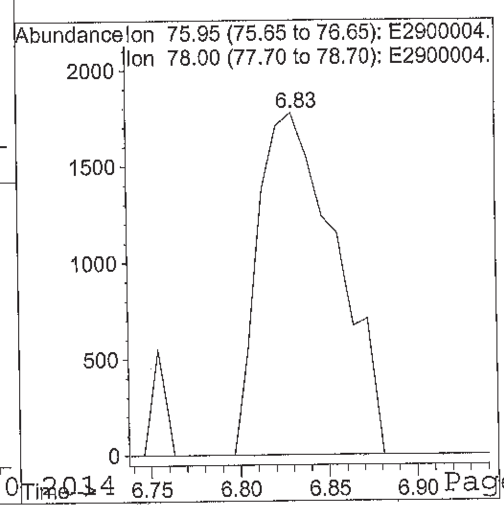
Tgt Ion: 45	Resp:		301468
Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#

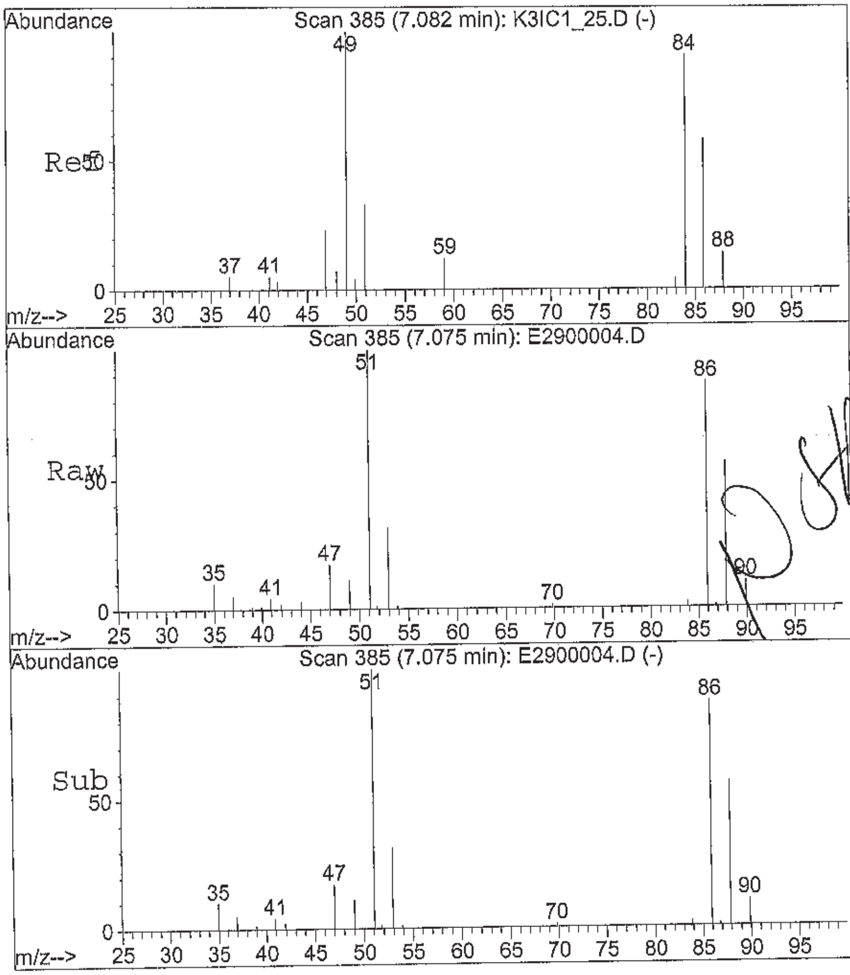




#13
Carbon disulfide
Concen: 0.43 ug/L
RT: 6.83 min   Scan# 356
Delta R.T.   0.02 min
Lab File: E2900004.D
Acq: 29 May 2014   9:44 am

Tgt Ion: 76	Resp:		5438
Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

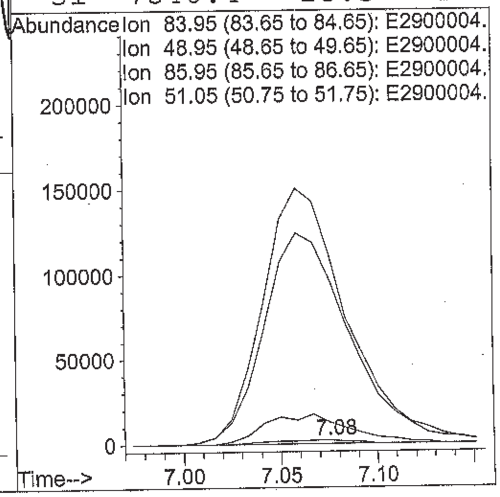


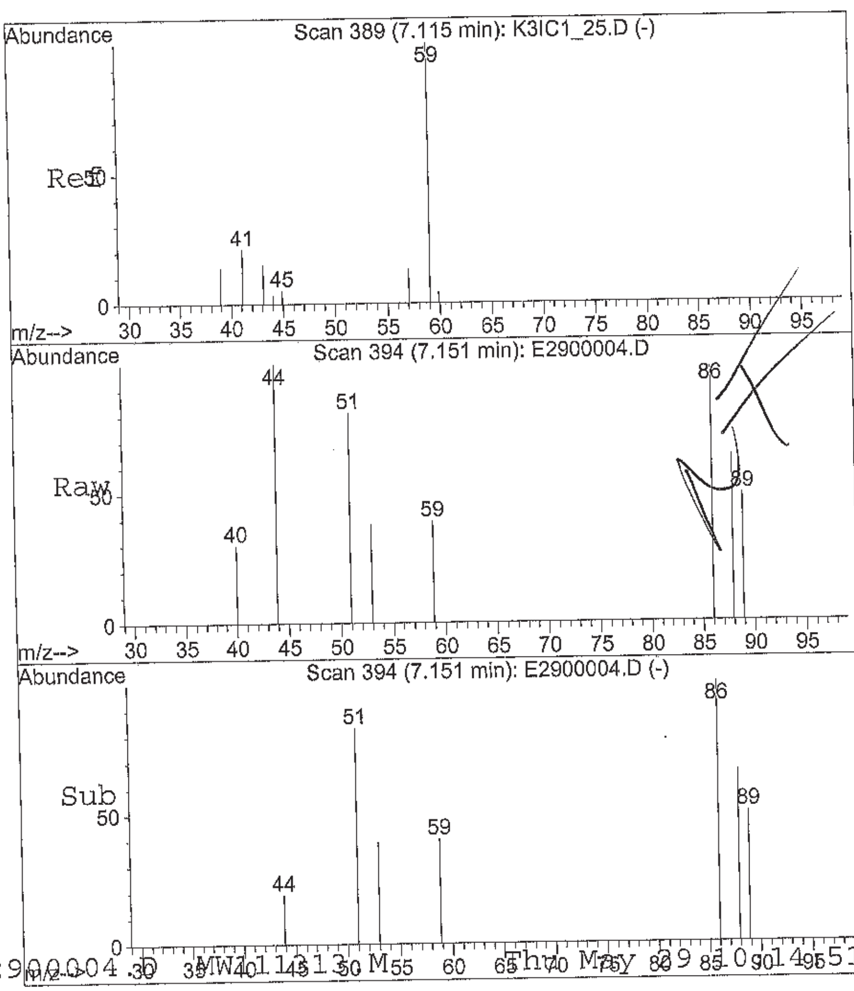


#14
Methylene Chloride
Concen: 1.40 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 84 Resp: 5856

Ion	Ratio	Lower	Upper
84	100		
49	887.6	89.8	134.6#
86	6623.3	51.1	76.7#
51	7840.4	28.5	42.7#

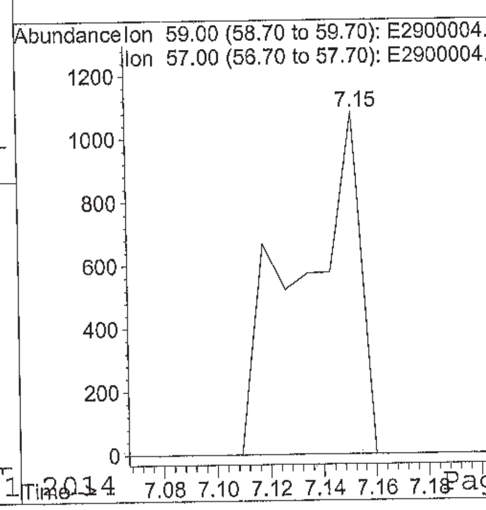


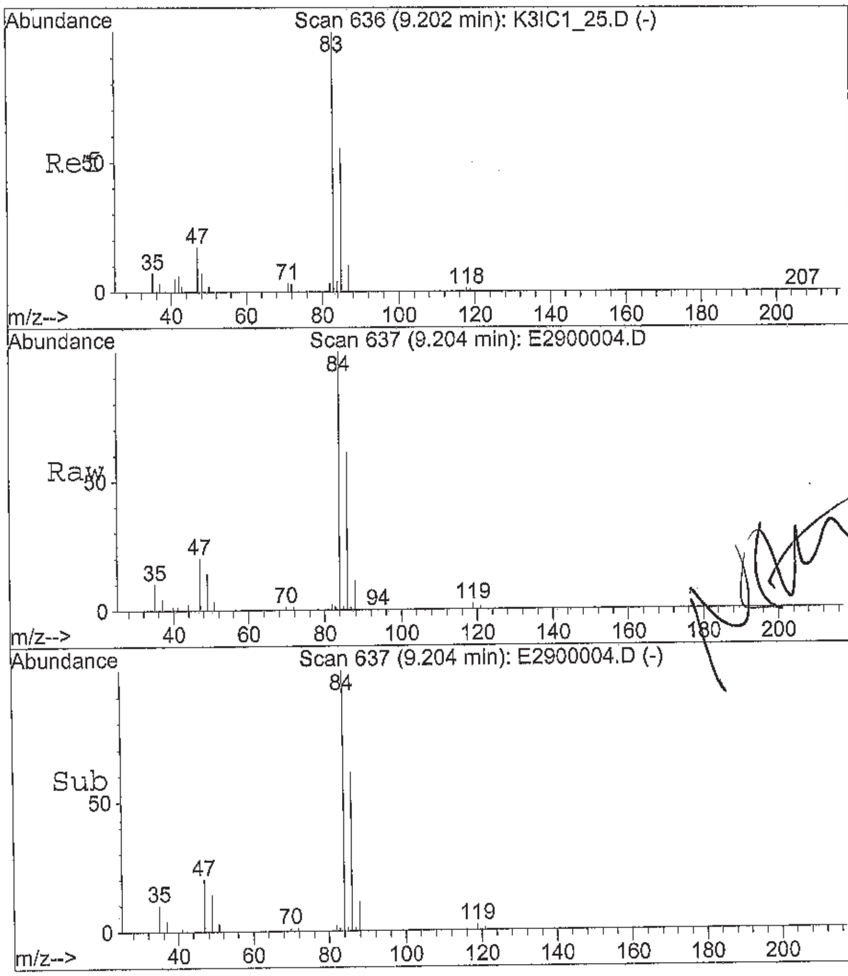


#15
(TBA) tert-Butanol
Concen: 6.66 ug/L
RT: 7.15 min Scan# 394
Delta R.T. 0.04 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 59 Resp: 1734

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

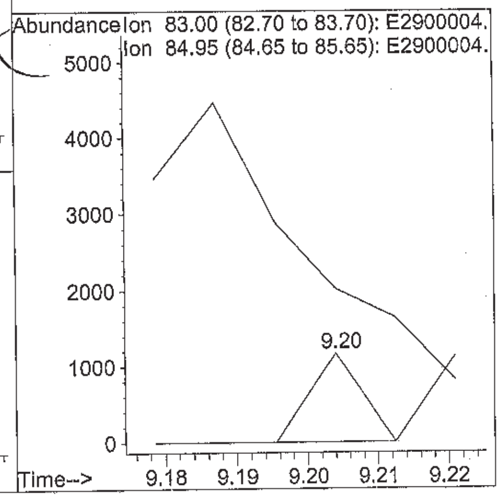


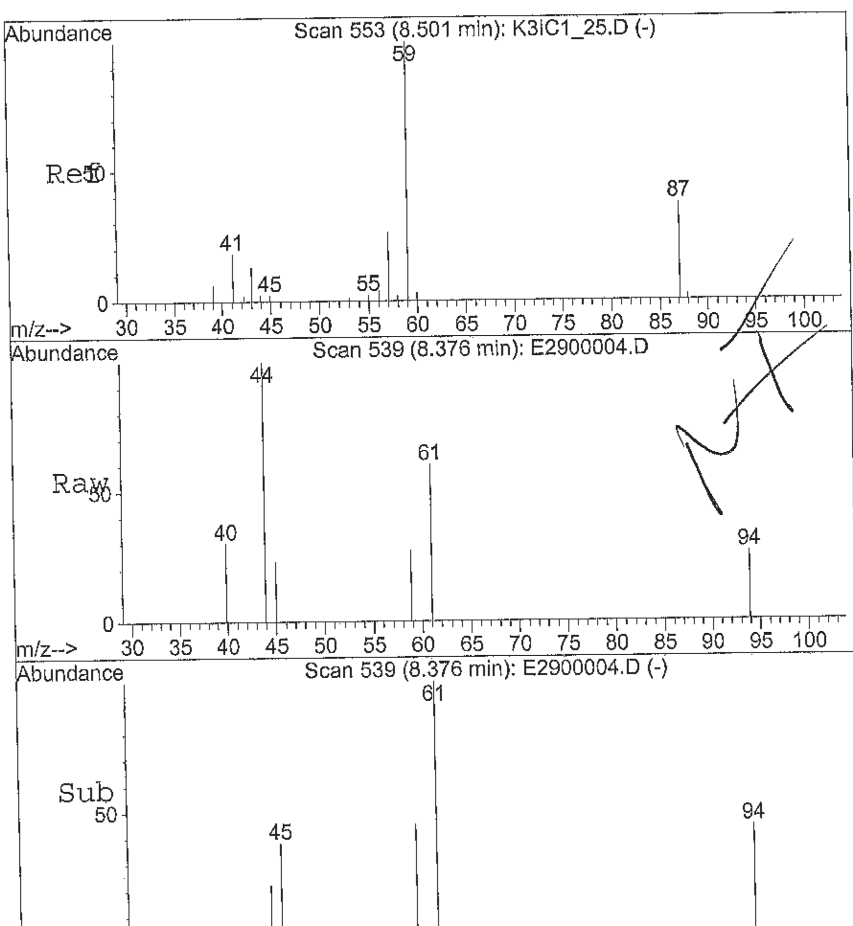


#24
Chloroform
Concen: 0.07 ug/L
RT: 9.20 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 83 Resp: 590

Ion	Ratio	Lower	Upper
83	100		
85	1526.1	51.8	77.6#

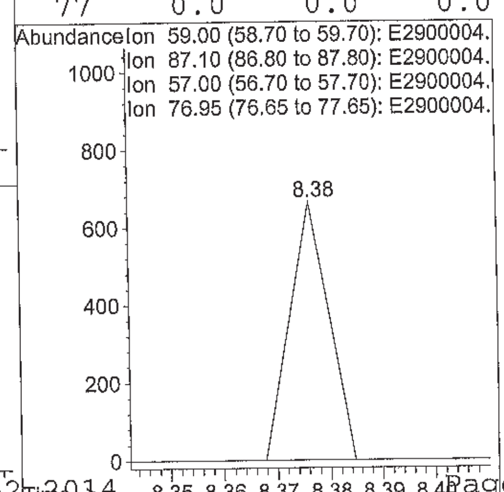


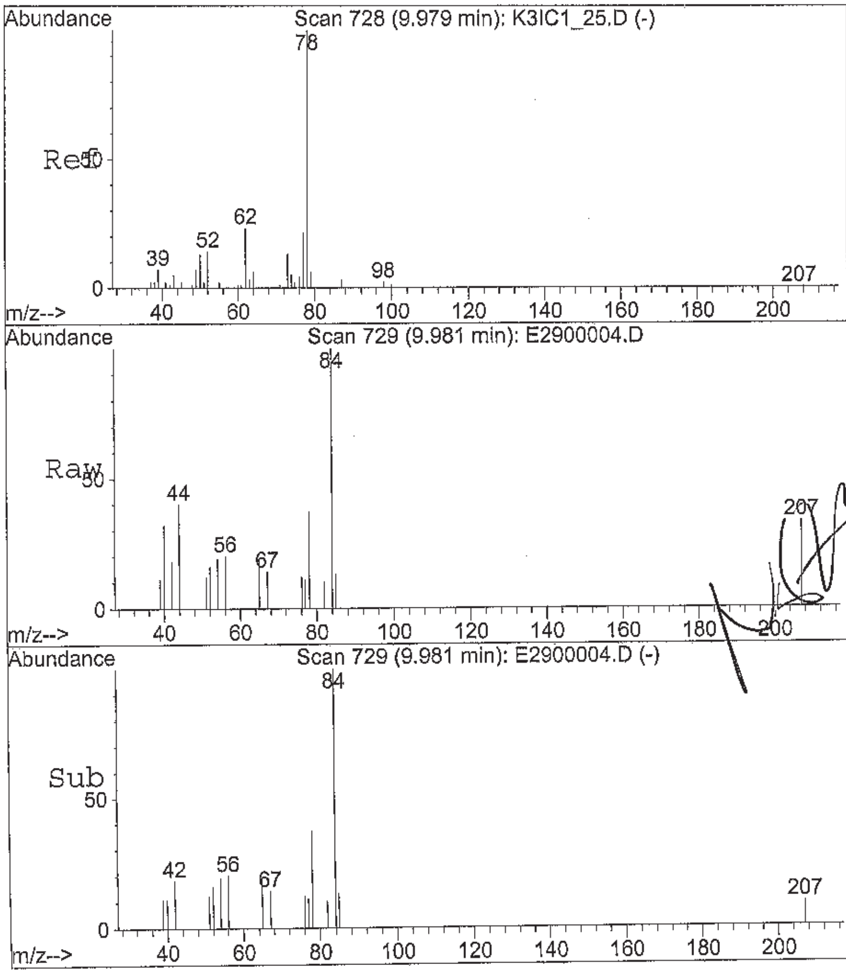


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.03 ug/L
RT: 8.38 min Scan# 539
Delta R.T. -0.12 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 59 Resp: 337

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

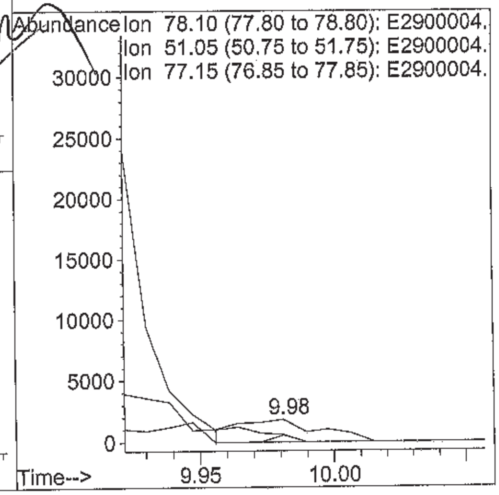


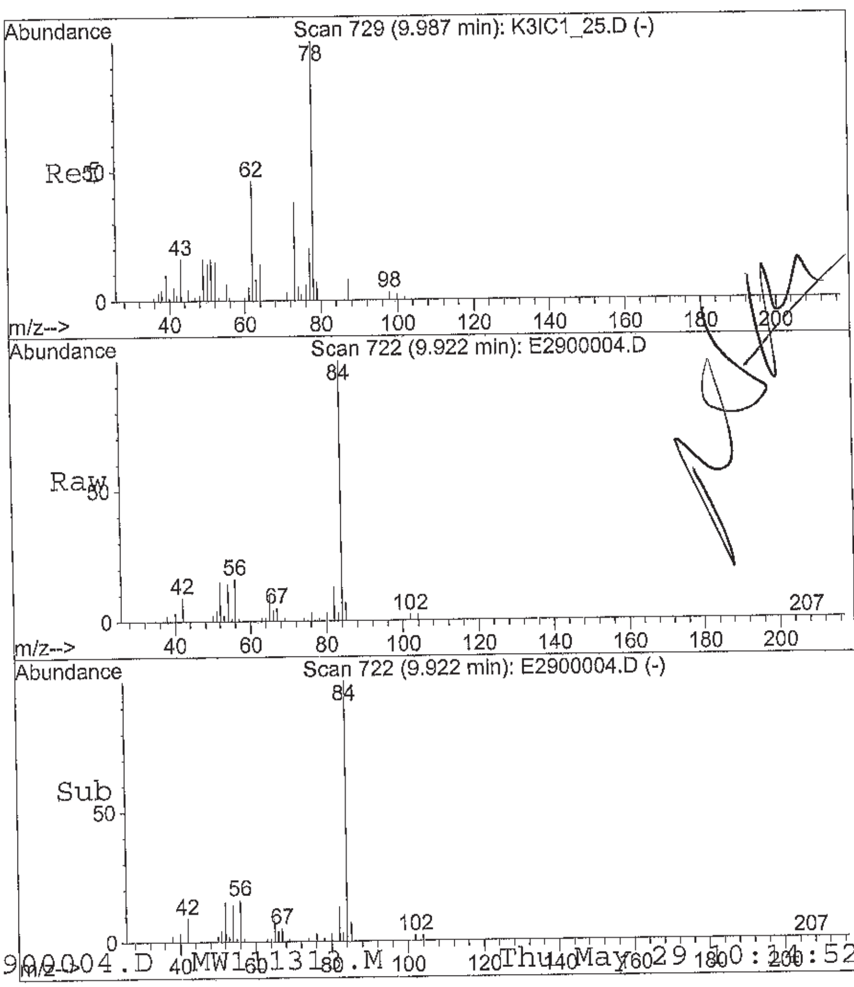


#31
Benzene
Concen: 0.26 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 78 Resp: 3768

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	7.4	16.6	24.8#

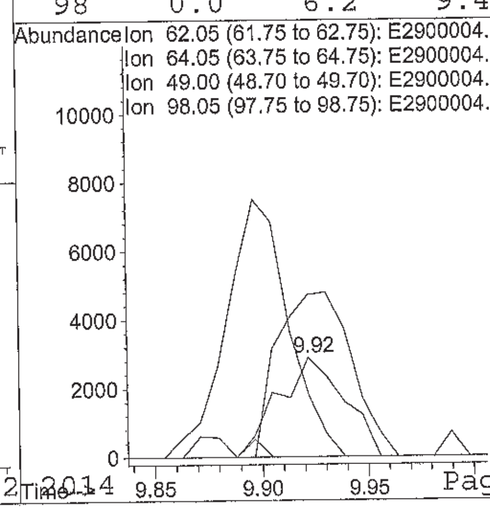




#32
1,2-Dichloroethane
Concen: 1.22 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.07 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 62 Resp: 6222

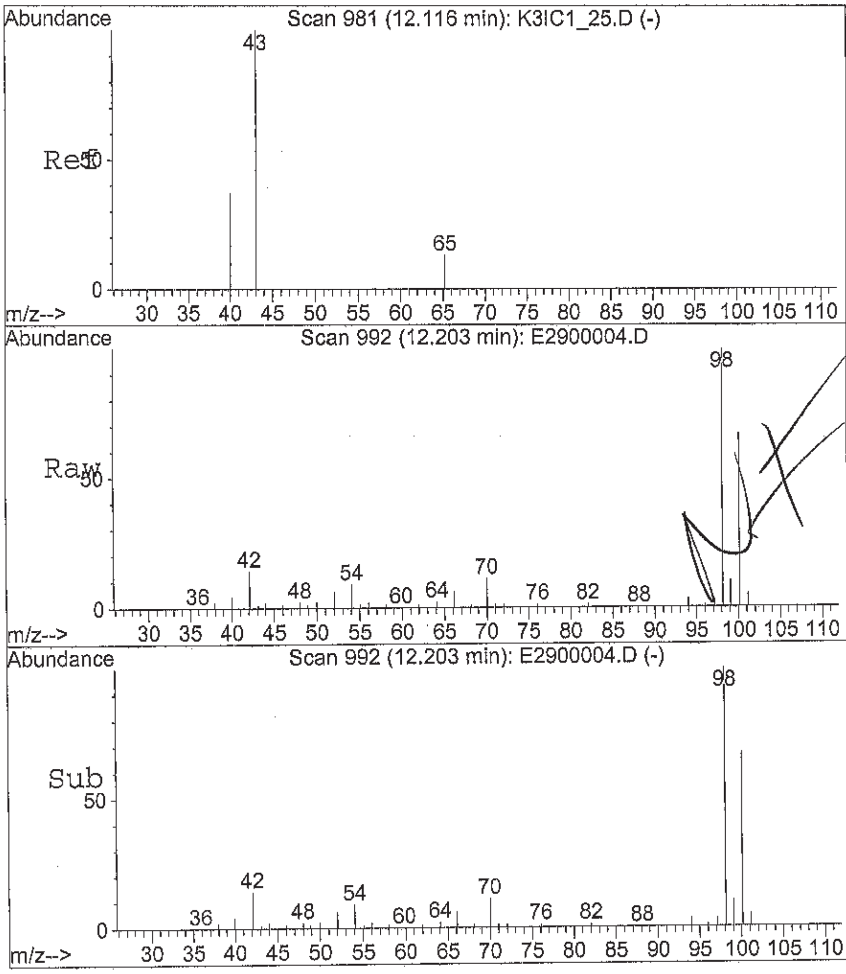
Ion	Ratio	Lower	Upper
62	100		
64	186.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

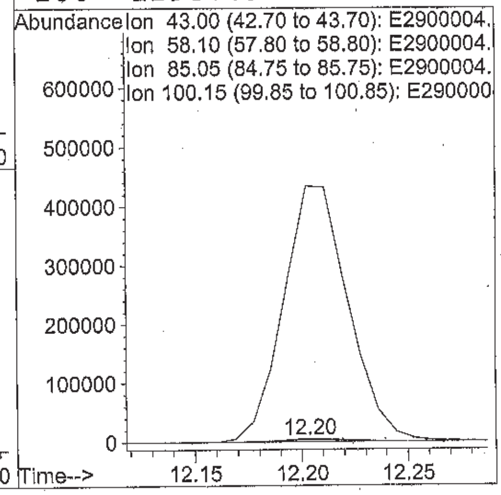


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.86 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 43 Resp: 7080

Ion	Ratio	Lower	Upper
43	100		
58	144.2	0.0	0.0#
85	0.0	0.0	0.0
100	12987.9	0.0	0.0#

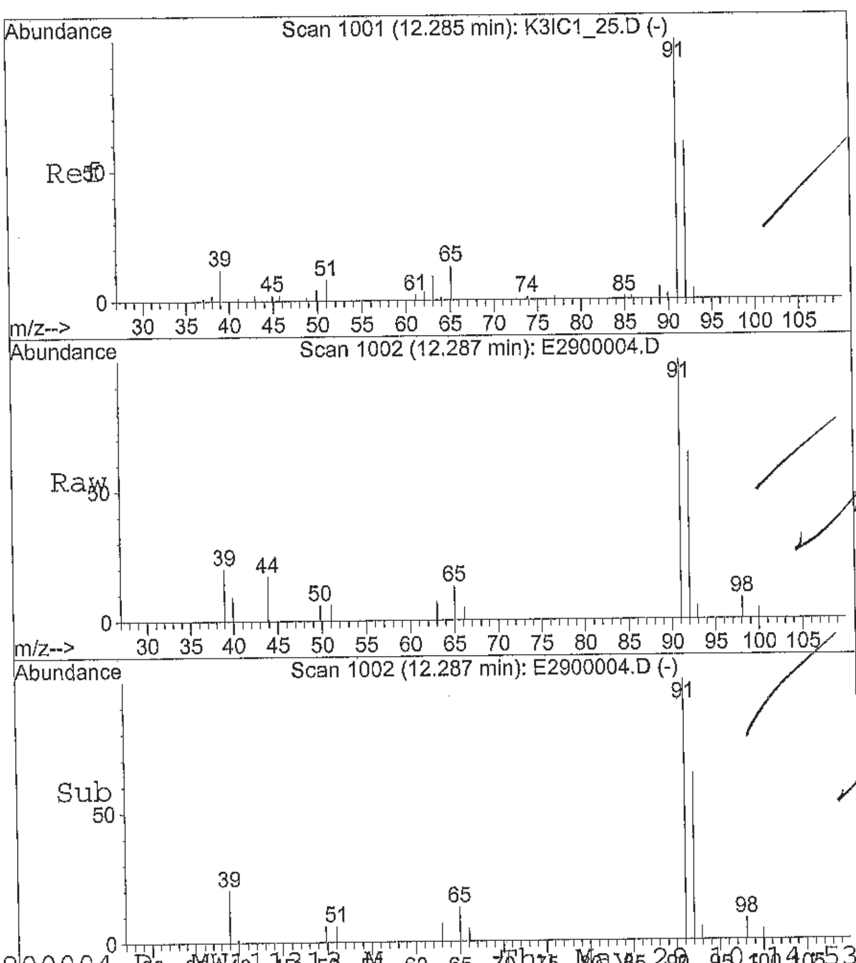


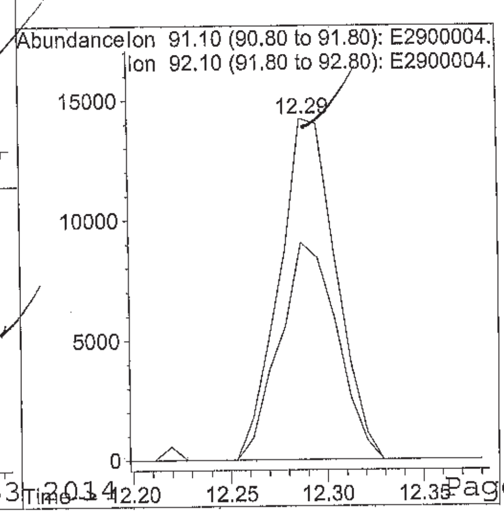


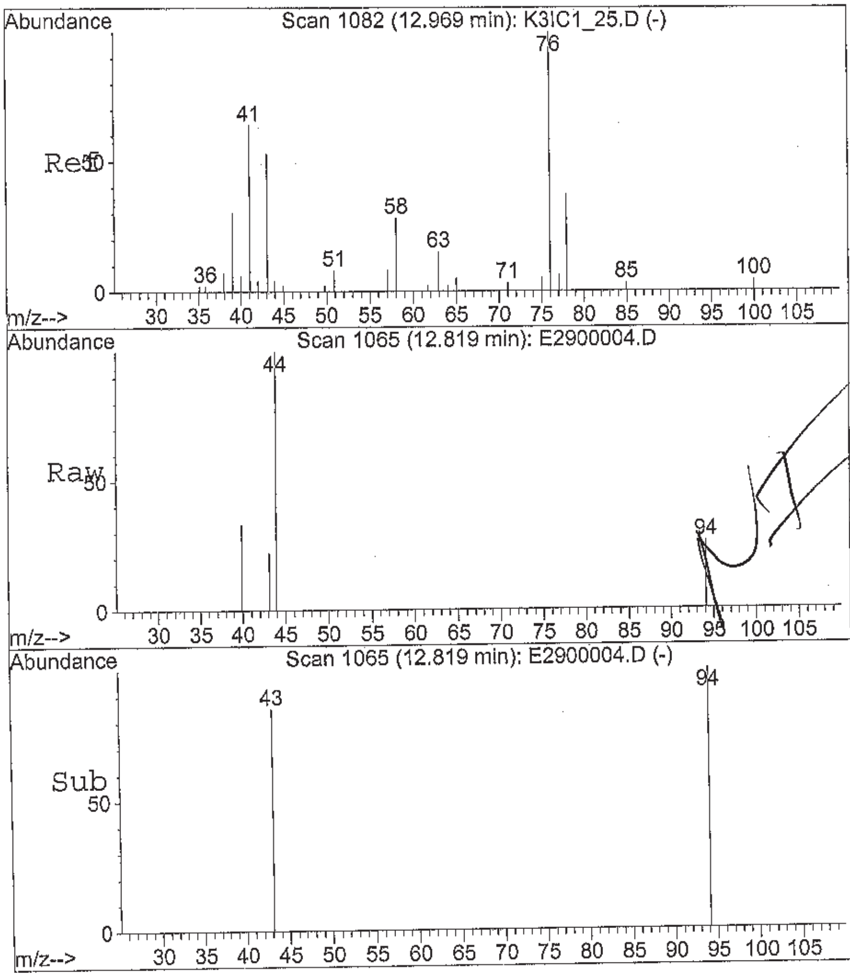
#41
Toluene
Concen: 1.72 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 91 Resp: 29119

Ion	Ratio	Lower	Upper
91	100		
92	64.3	47.4	71.0



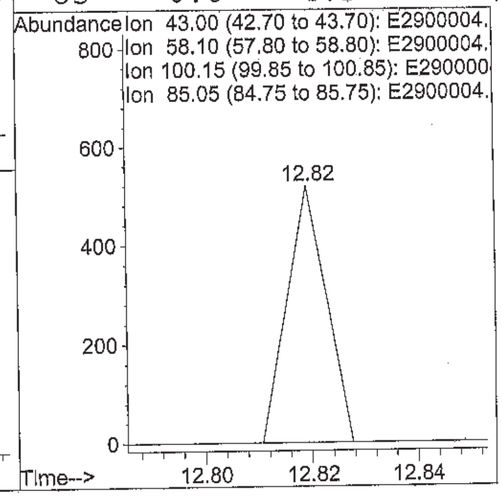


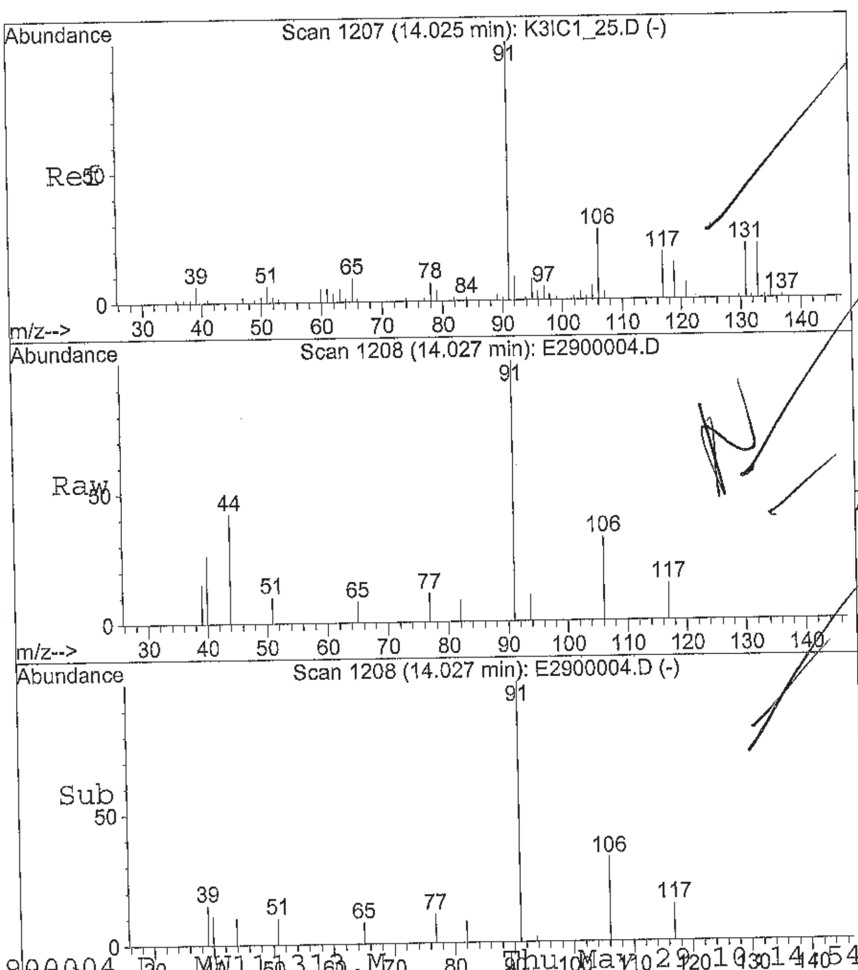


#46
2-Hexanone
Concen: 0.10 ug/L
RT: 12.82 min Scan# 1065
Delta R.T. -0.15 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 43 Resp: 263

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

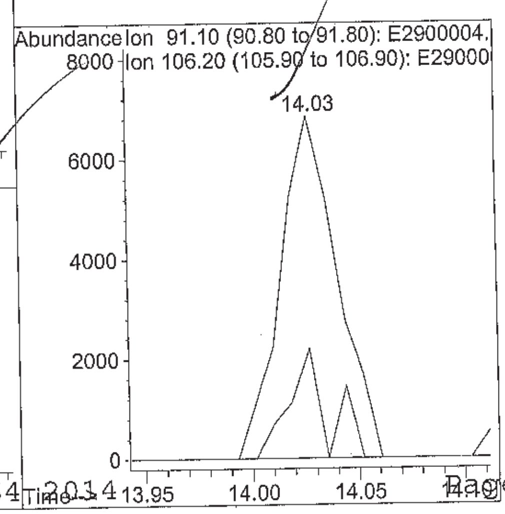


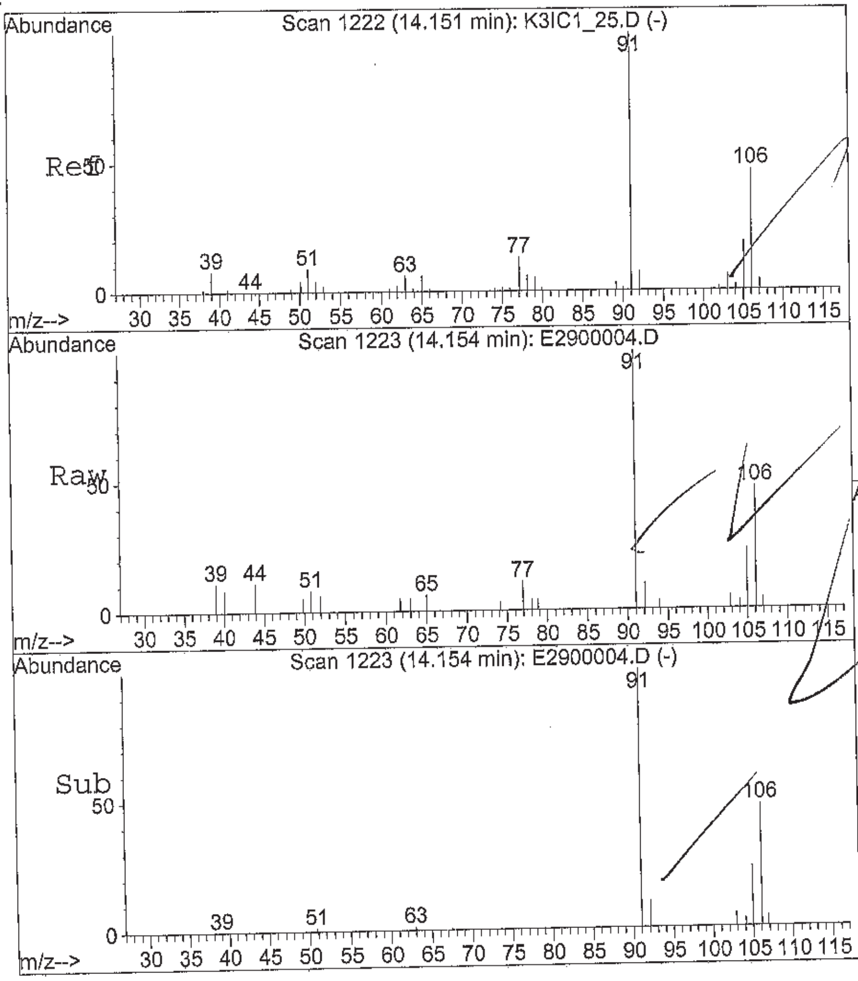


#51
Ethylbenzene
Concen: 0.66 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 91 Resp: 12707

Ion	Ratio	Lower	Upper
91	100		
106	21.7	23.5	35.3#

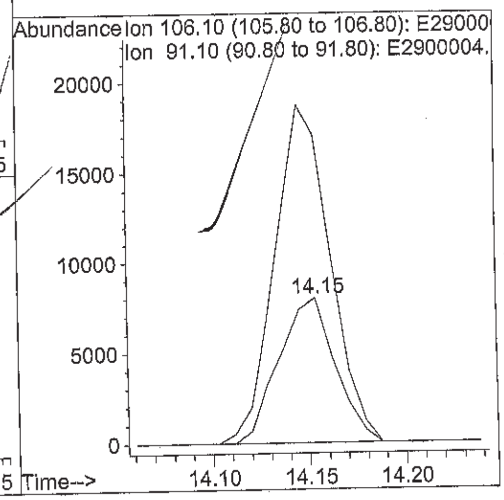


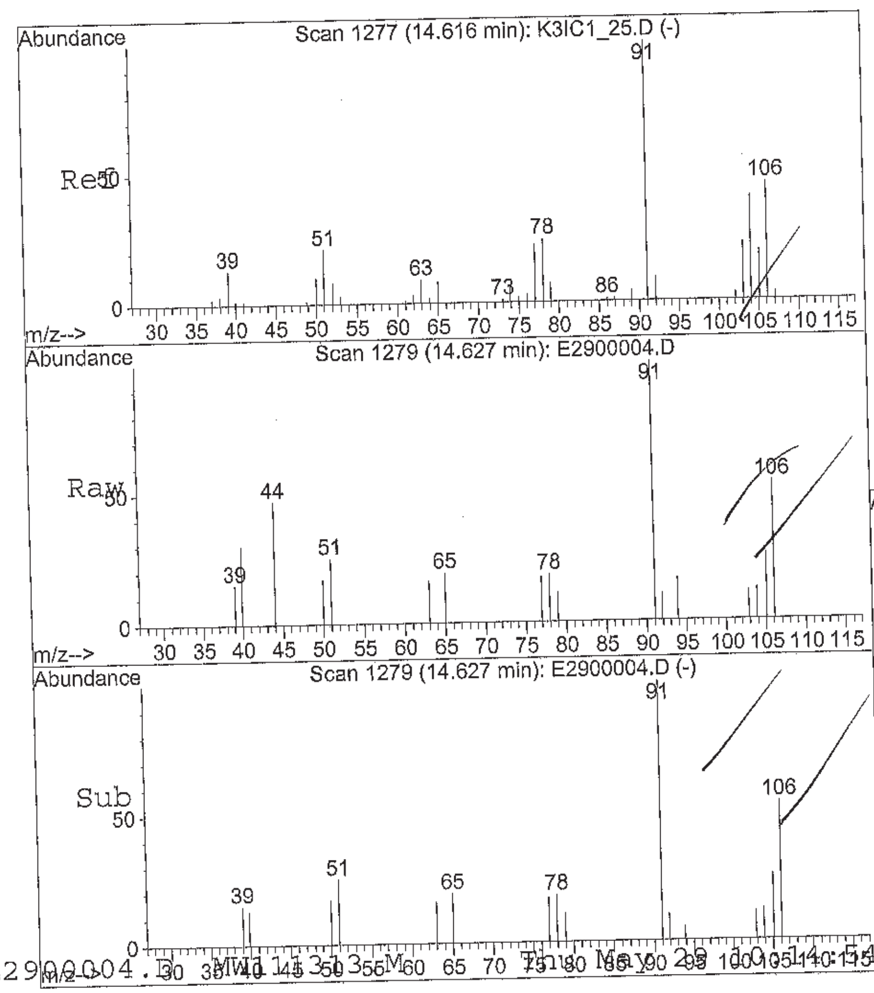


#52
m,p-Xylenes
Concen: 2.36 ug/L
RT: 14.15 min Scan# 1223
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion:106 Resp: 16135

Ion	Ratio	Lower	Upper
106	100		
91	230.0	177.1	265.7

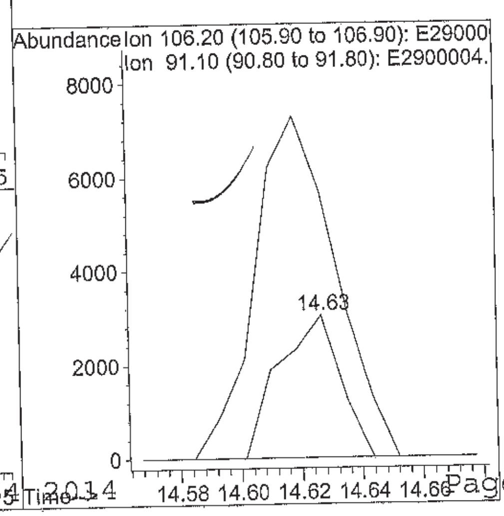


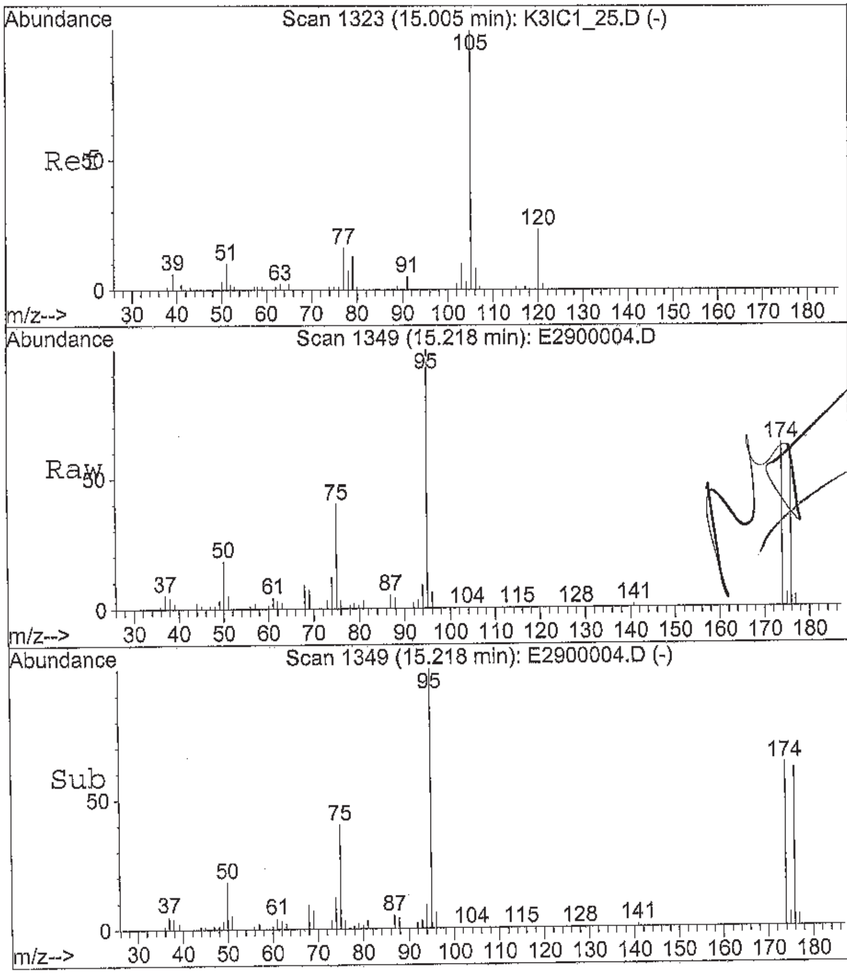


#53
o-Xylene
Concen: 0.63 ug/L
RT: 14.63 min Scan# 1279
Delta R.T. 0.01 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion:106 Resp: 4266

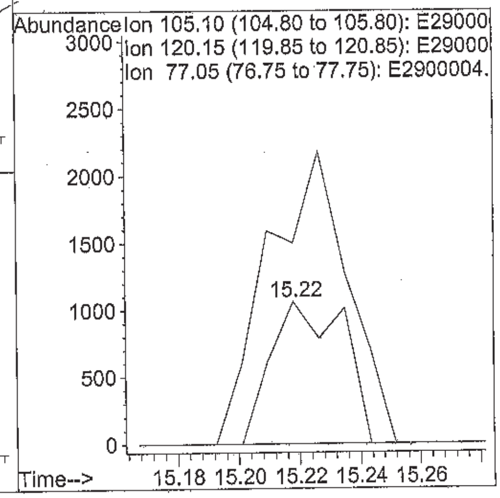
Ion	Ratio	Lower	Upper
106	100		
91	314.9	179.0	268.6#

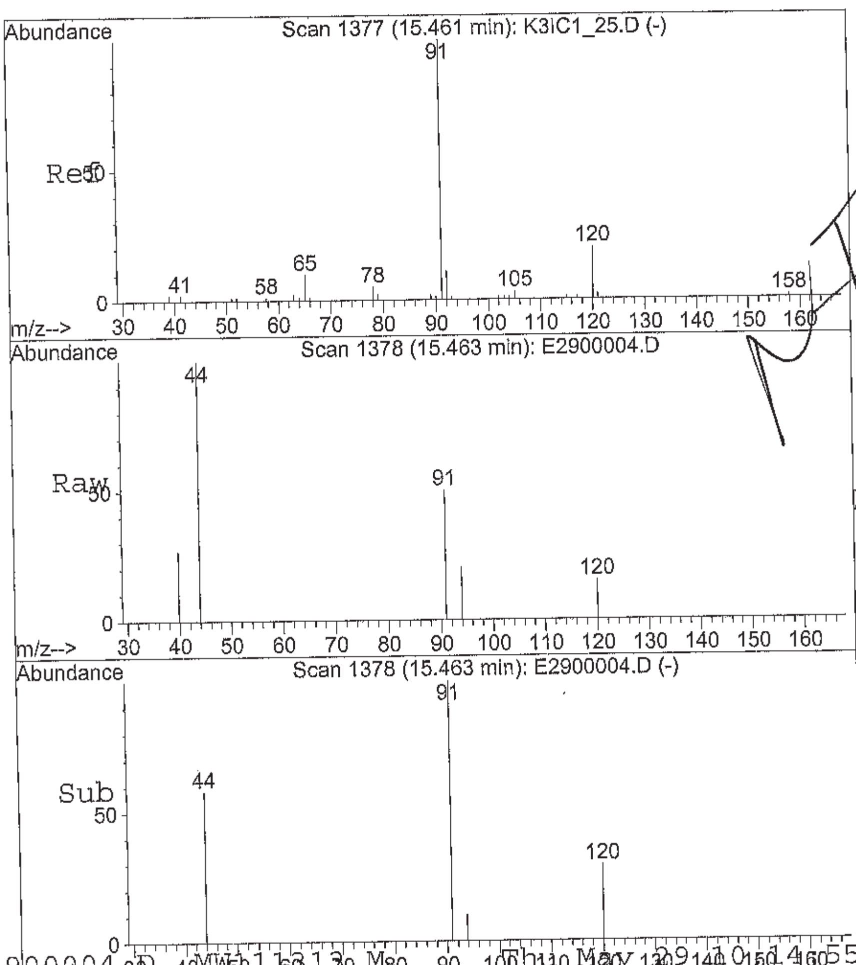




#56
Isopropylbenzene
Concen: 0.09 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.21 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

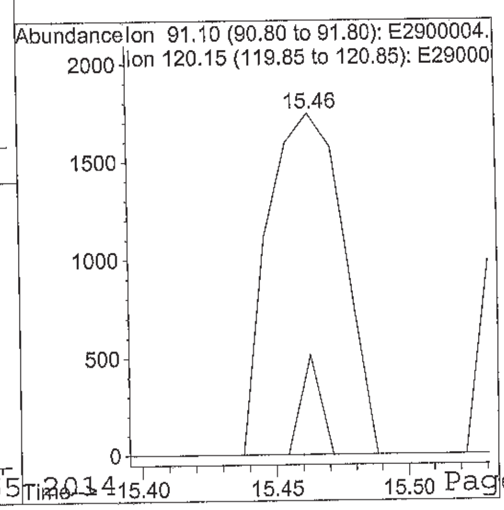
Tgt Ion:105	Resp:		1755
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	226.4	13.1	19.7#

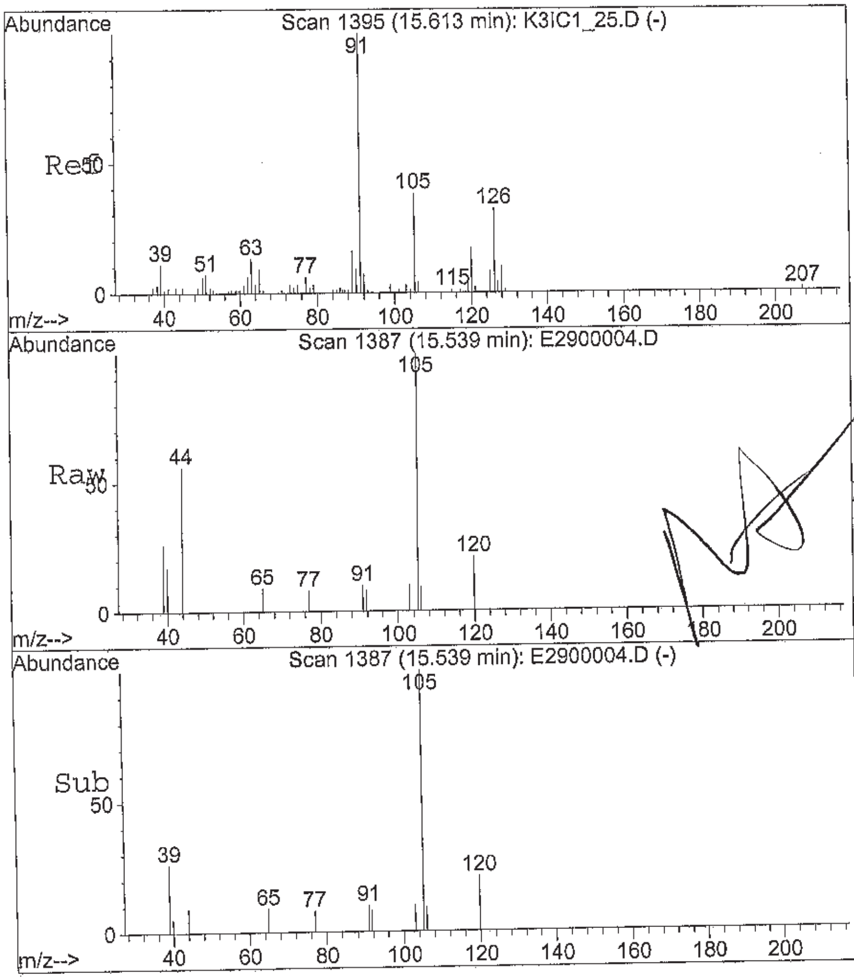




#62
n-Propylbenzene
Concen: 0.13 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

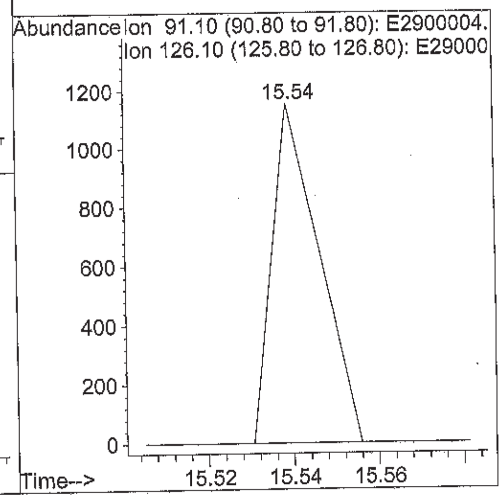
Tgt Ion: 91	Resp:		3422
Ion	Ratio	Lower	Upper
91	100		
120	7.6	16.1	24.1#

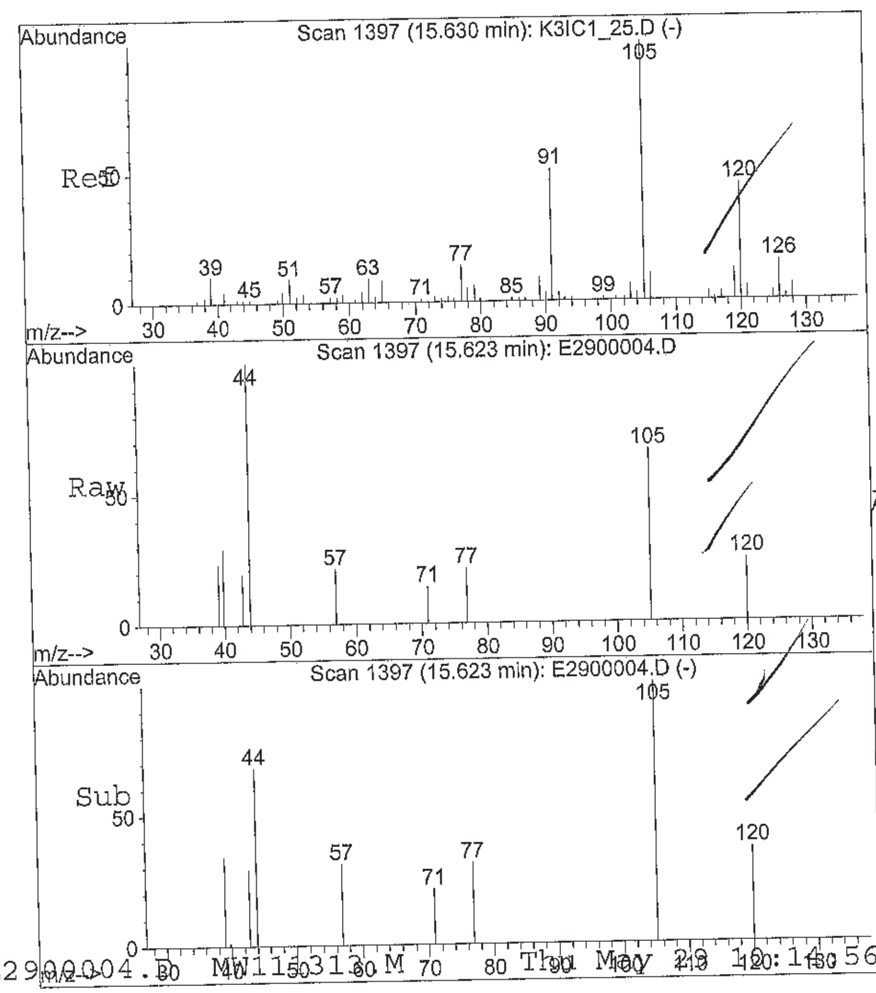




#63
2-Chlorotoluene
Concen: 0.05 ug/L
RT: 15.54 min Scan# 1387
Delta R.T. -0.07 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

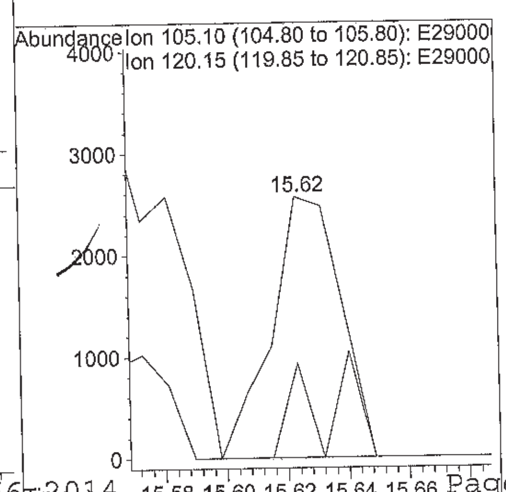
Tgt Ion: 91	Resp:		877
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

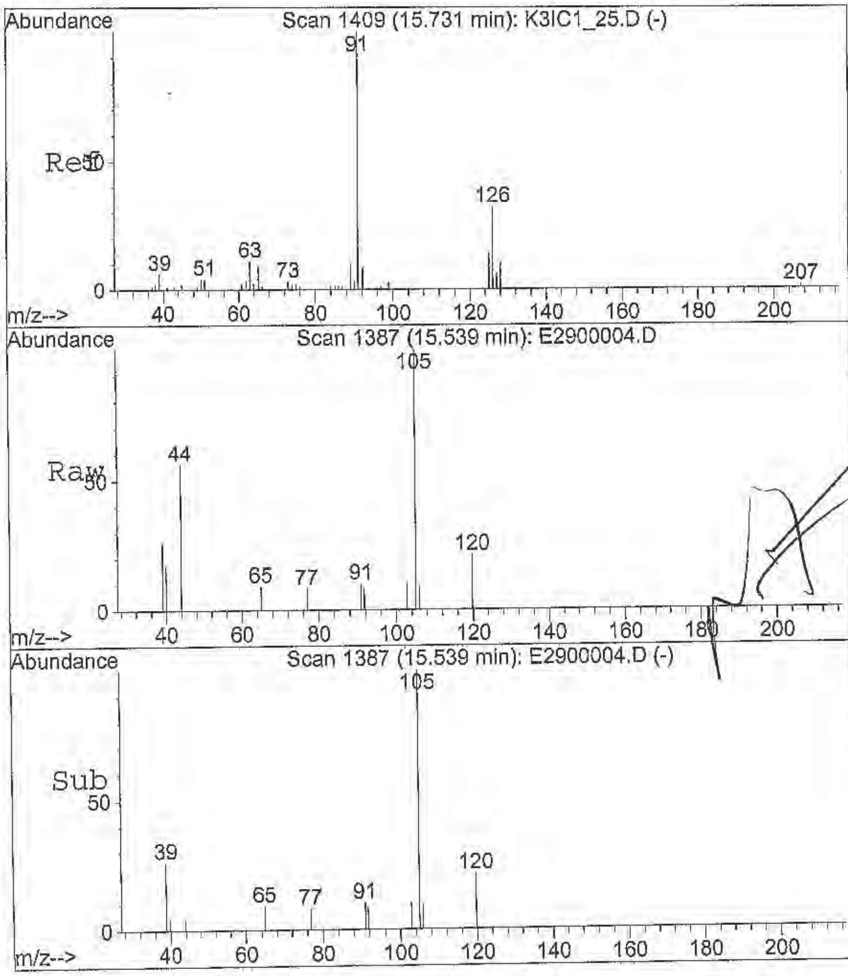




#64
1,3,5-Trimethylbenzene
Concen: 0.25 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.01 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion:105	Resp:		4049
Ion	Ratio	Lower	Upper
105	100		
120	24.5	36.4	54.6#

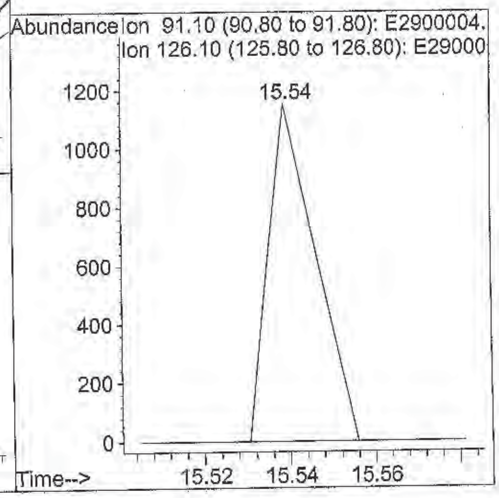


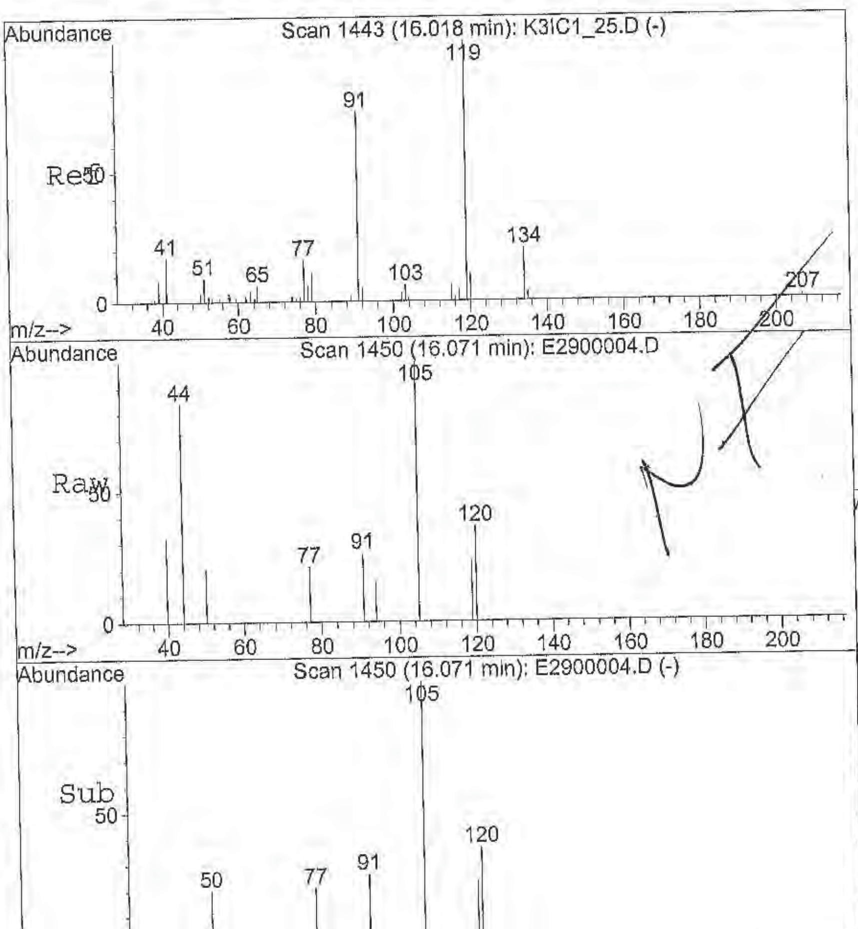


#65
4-Chlorotoluene
Concen: 0.06 ug/L
RT: 15.54 min   Scan# 1387
Delta R.T.   -0.19 min
Lab File: E2900004.D
Acq: 29 May 2014   9:44 am

Tgt Ion: 91 Resp: 877

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

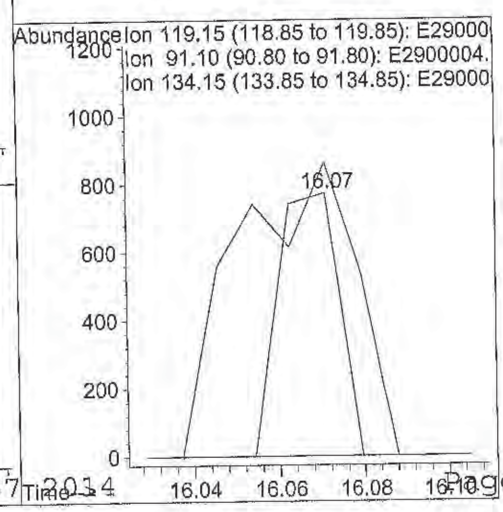


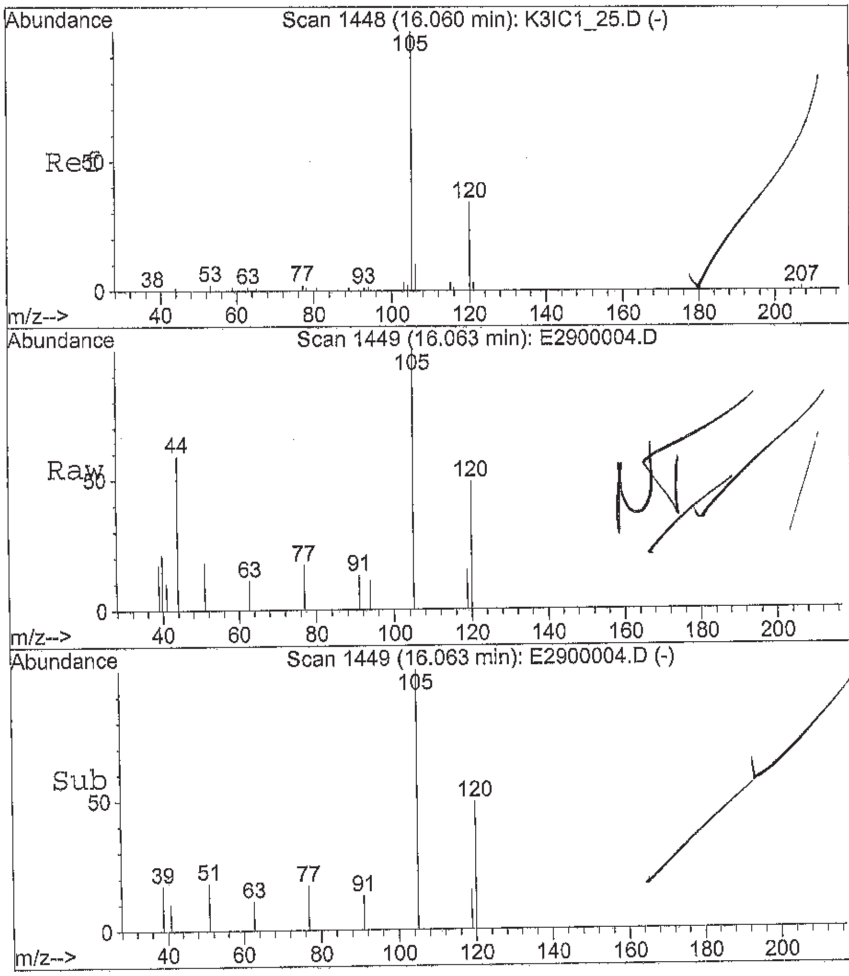


#66
tert-Butylbenzene
Concen: 0.05 ug/L
RT: 16.07 min   Scan# 1450
Delta R.T.   0.05 min
Lab File: E2900004.D
Acq: 29 May 2014   9:44 am

Tgt Ion:119 Resp: 768

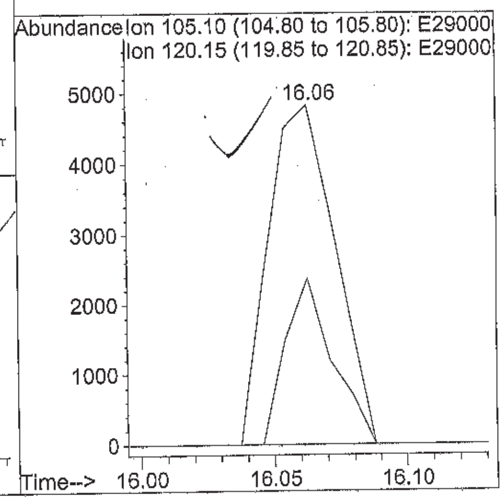
Ion	Ratio	Lower	Upper
119	100		
91	218.5	56.3	84.5#
134	0.0	16.1	24.1#

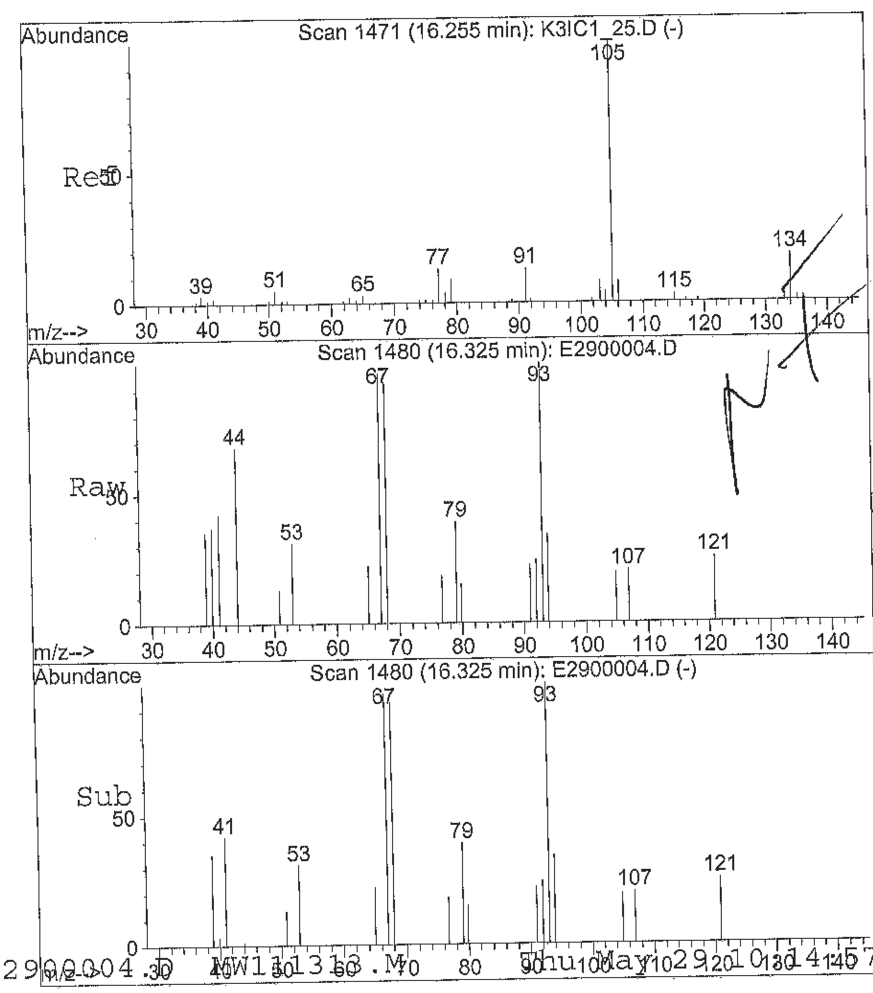




#67
1,2,4-Trimethylbenzene
Concen: 0.49 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

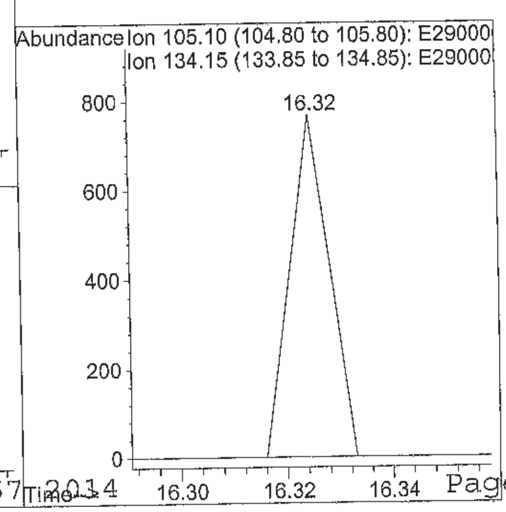
Tgt Ion:105	Resp:		8420
Ion	Ratio	Lower	Upper
105	100		
120	34.5	33.8	50.8

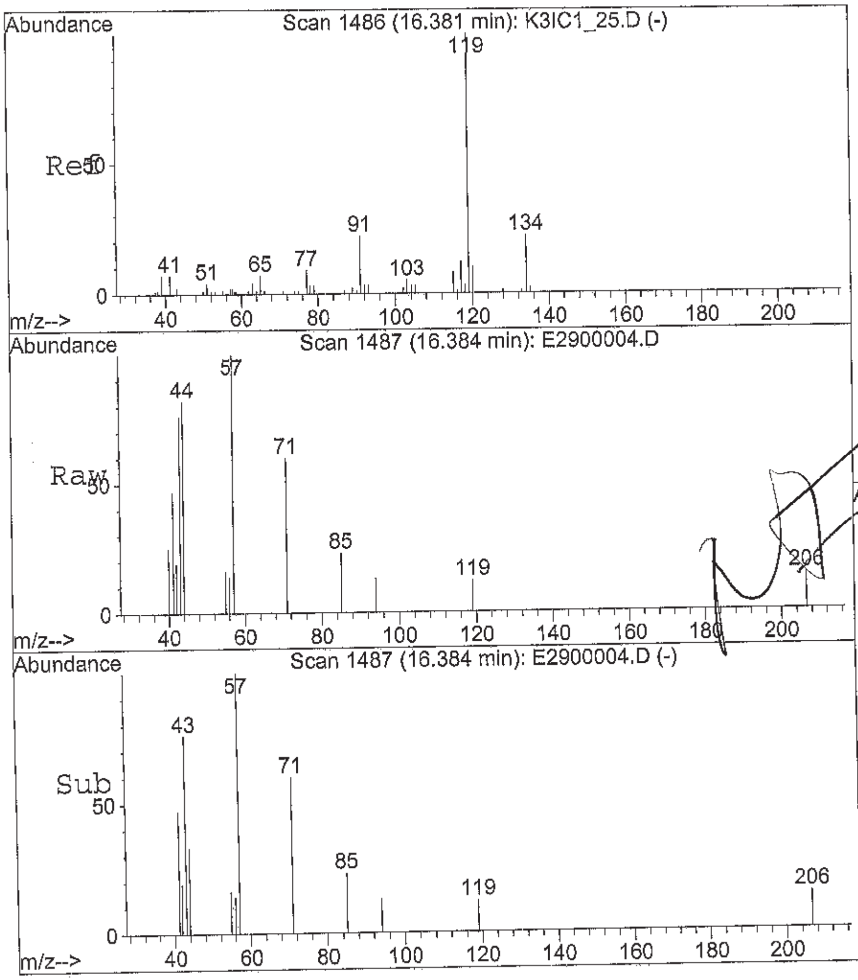




#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.32 min Scan# 1480
Delta R.T. 0.07 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion:105	Resp:		389
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

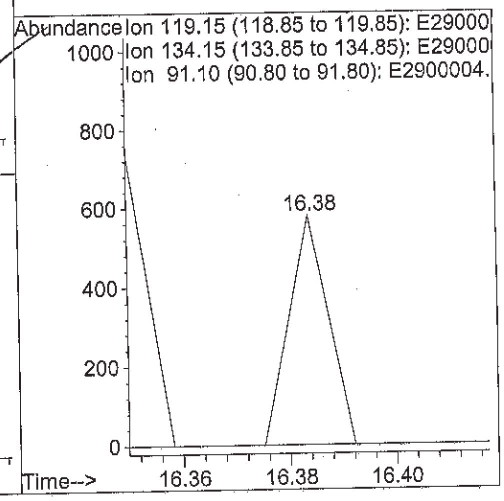


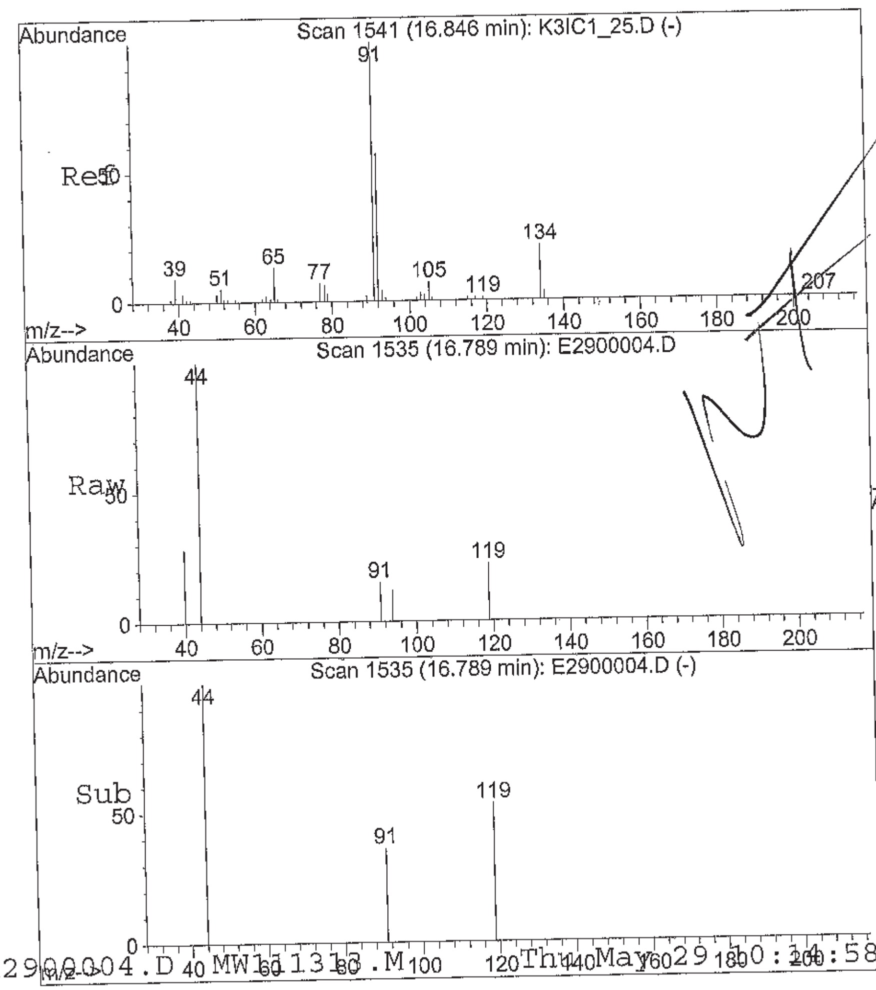


#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion:119 Resp: 293

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

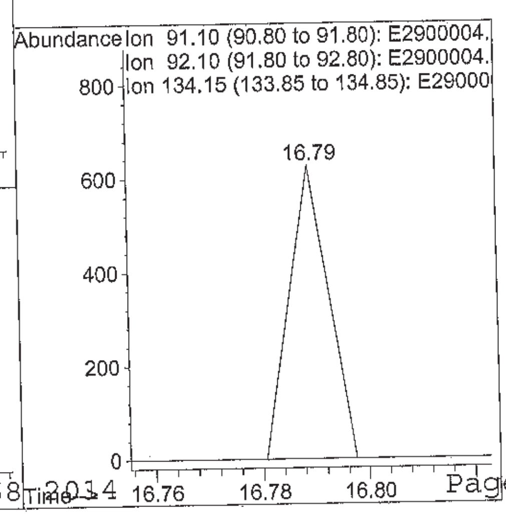




#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.79 min Scan# 1535
Delta R.T. -0.06 min
Lab File: E2900004.D
Acq: 29 May 2014 9:44 am

Tgt Ion: 91 Resp: 318

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#



```
Data File : C:\HPCHEM\1\DATA\052914L3\E2900004.D          Vial: 3
Acq On    : 29 May 2014   9:44 am                      Operator: DN
Sample    : 3E42901-03                                 Inst    : GC/MS Ins
Misc      : 100cc  SVL-844-SA5D-SV-10.0-11.0           Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 10:15 19114                  Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3    ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                     R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
  1) Fluorobenzene (IS)               10.29   96  1527639    12.50 ug/L   -0.02
  7) Chlorobenzene-d5 (IS)            13.92  117  1240492    12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS       16.51  152   660440    12.50 ug/L    0.00

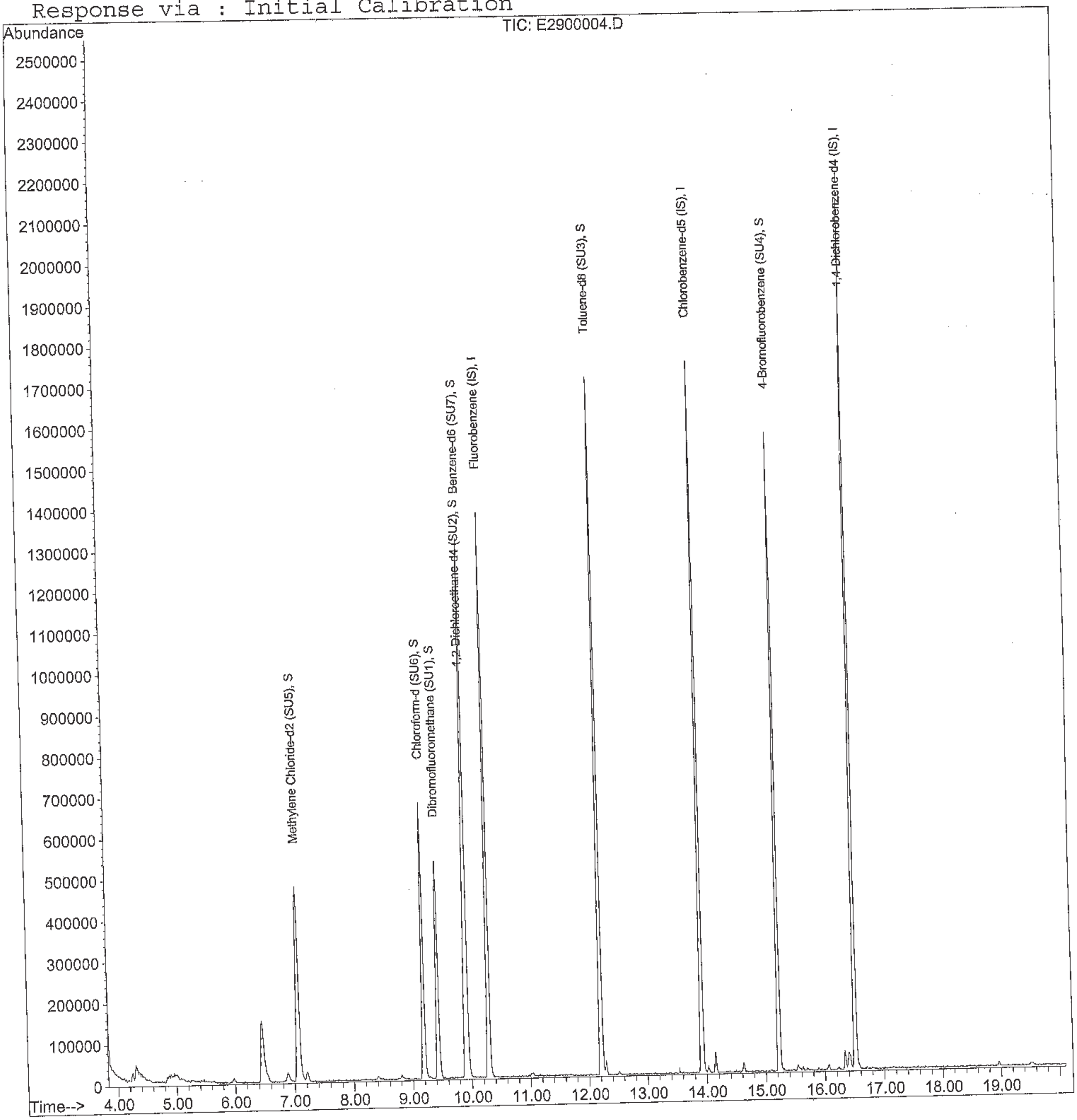
System Monitoring Compounds
  2) Dibromofluoromethane (SU1)        9.43  113   437790    11.02 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   88.16%
  3) Chloroform-d (SU6)                9.19   84   672355    11.80 ug/L    0.00
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   94.40%
  4) Methylene Chloride-d2 (SU5       7.06   86   387858    11.64 ug/L   -0.02
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   93.12%
  5) 1,2-Dichloroethane-d4 (SU2       9.90   65   433414    15.96 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  127.68%#
  6) Benzene-d6 (SU7)                  9.92   84  1324875    11.05 ug/L   -0.03
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   88.40%
  8) Toluene-d8 (SU3)                 12.20   98  1377058    11.70 ug/L   -0.02
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   93.60%
  9) 4-Bromofluorobenzene (SU4)       15.23   95   698892    14.38 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  115.04%

Target Compounds                                                       Qvalue
```

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900004.D Vial: 3
Acq On : 29 May 2014 9:44 am Operator: DN
Sample : 3E42901-03 Inst : GC/MS Ins
Misc : 100cc SVL-844-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 10:15 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\052914L3\E2900005.D
Acq On : 29 May 2014 10:13 am
Sample : 3E42901-04
Misc : 100cc SVL-530-SA5C-SV-6.5-7.5
MS Integration Params: rteint.p
Quant Time: May 29 11:09 19114

Vial: 4
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1531628	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1208919	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	672911	12.50 ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	430212	11.26 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125			Recovery = 90.08%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	422014	11.62 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125			Recovery = 92.96%	
39) Toluene-d8 (SU3)	12.21	98	1351245	11.98 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125			Recovery = 95.84%	
58) 4-Bromofluorobenzene (SU4)	15.23	95	685935	13.87 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125			Recovery = 110.96%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
4) Chloromethane	4.39	50	1260	-0.73 ~~ug/L~~	#	76
6) Bromomethane	5.09	96	580	-1.43 ~~ug/L~~	#	1
7) Chloroethane	5.26	64	2772	2.86 ~~ug/L~~	#	32
11) Acetone	6.47	58	3053	178.60 ~~ug/L~~		79
12) (IPA) Leak Check Compound	6.47	45	346021	1880.07 ~~ug/L~~	#	82
13) Carbon disulfide	6.86	76	328	0.03 ~~ug/L~~	#	76
14) Methylene Chloride	7.06	84	6288	1.49 ~~ug/L~~	#	1
15) (TBA) tert-Butanol	7.13	59	257	0.98 ~~ug/L~~	#	77
24) Chloroform	9.22	83	1545	0.19 ~~ug/L~~	#	18
29) 1,1-Dichloropropene	9.94	75	288	0.05 ~~ug/L~~	#	1
31) Benzene	9.92	78	10801	0.75 ~~ug/L~~	#	76
32) 1,2-Dichloroethane	9.92	62	5603	1.10 ~~ug/L~~	#	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	6839	2.83 ~~ug/L~~	#	100
41) Toluene	12.28	91	3043	0.18 ug/L	# 0.003	[illegible]6
46) 2-Hexanone	13.11	43	542	0.20 ~~ug/L~~	#	37
51) Ethylbenzene	14.03	91	1088	0.06 ~~ug/L~~	#	45
52) m,p-Xylenes	14.14	106	349	0.05 ug/L	# 0.001	1
54) Styrene	14.63	104	1776	-0.69 ~~ug/L~~	#	53
56) Isopropylbenzene	15.23	105	288	0.02 ~~ug/L~~	#	1
62) n-Propylbenzene	15.23	91	2506	0.09 ~~ug/L~~	#	56
67) 1,2,4-Trimethylbenzene	16.07	105	702	0.04 ~~ug/L~~	#	33
68) sec-Butylbenzene	16.34	105	342	0.02 ~~ug/L~~	#	62

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900005.D Vial: 4
Acq On : 29 May 2014 10:13 am Operator: DN
Sample : 3E42901-04 Inst : GC/MS Ins
Misc : 100cc SVL-530-SA5C-SV-6.5-7.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:09 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc Unit	Qvalue

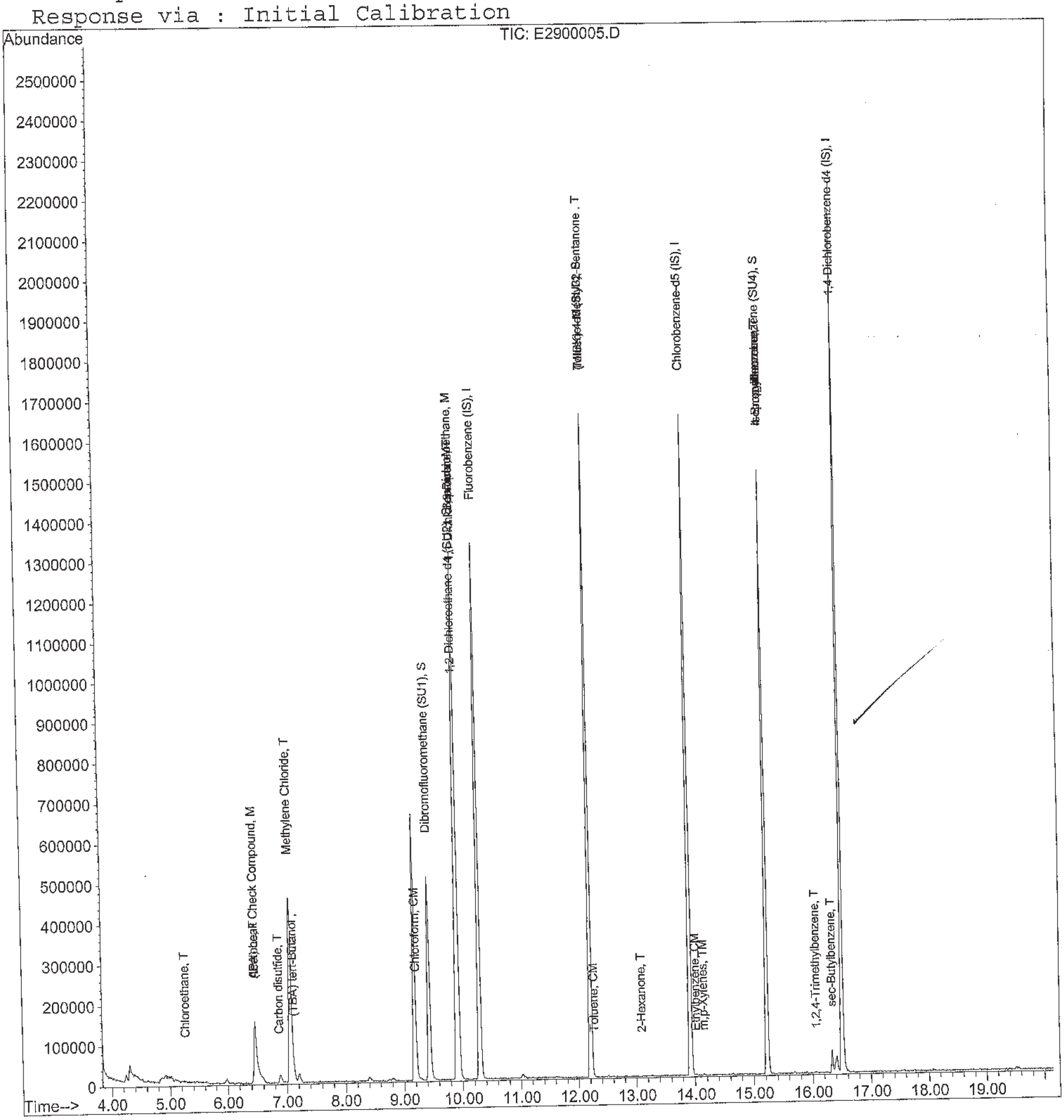
(#) = qualifier out of range (m) = manual integration

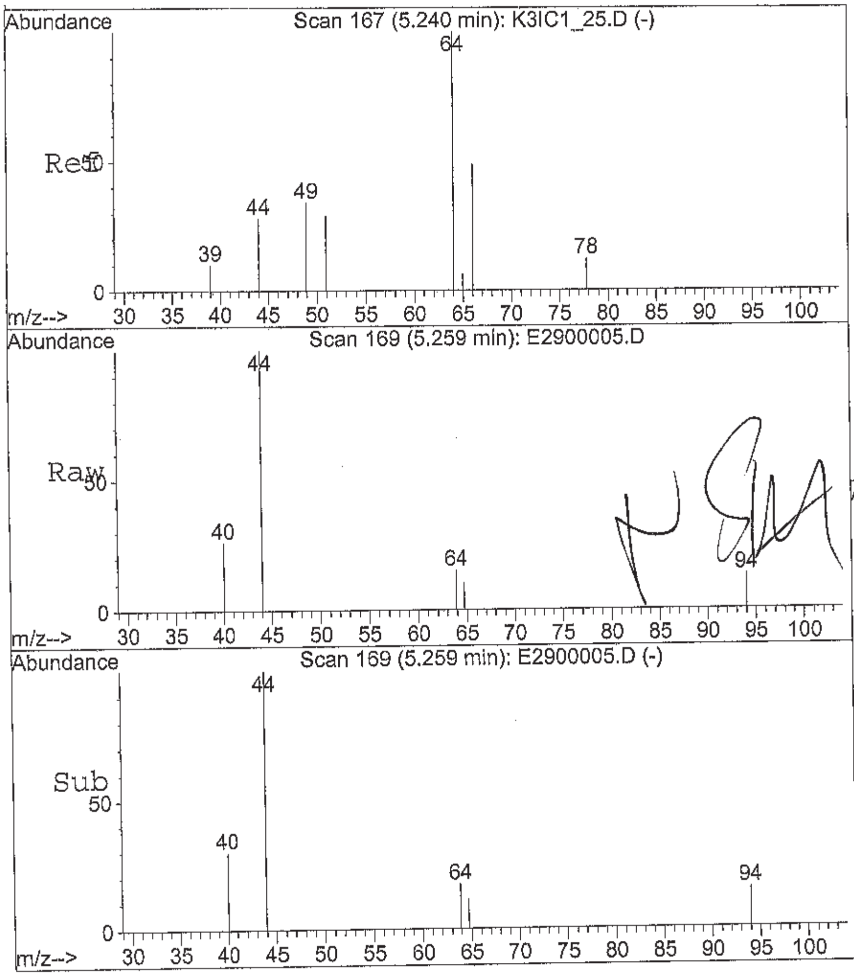
Data File : C:\HPCHEM\1\DATA\052914L3\E2900005.D
Acq On : 29 May 2014 10:13 am
Sample : 3E42901-04
Misc : 100cc SVL-530-SA5C-SV-6.5-7.5
MS Integration Params: rteint.p
Quant Time: May 29 11:09 19114

Vial: 4
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

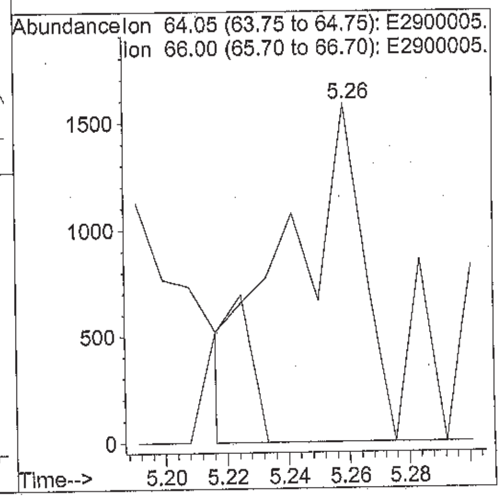


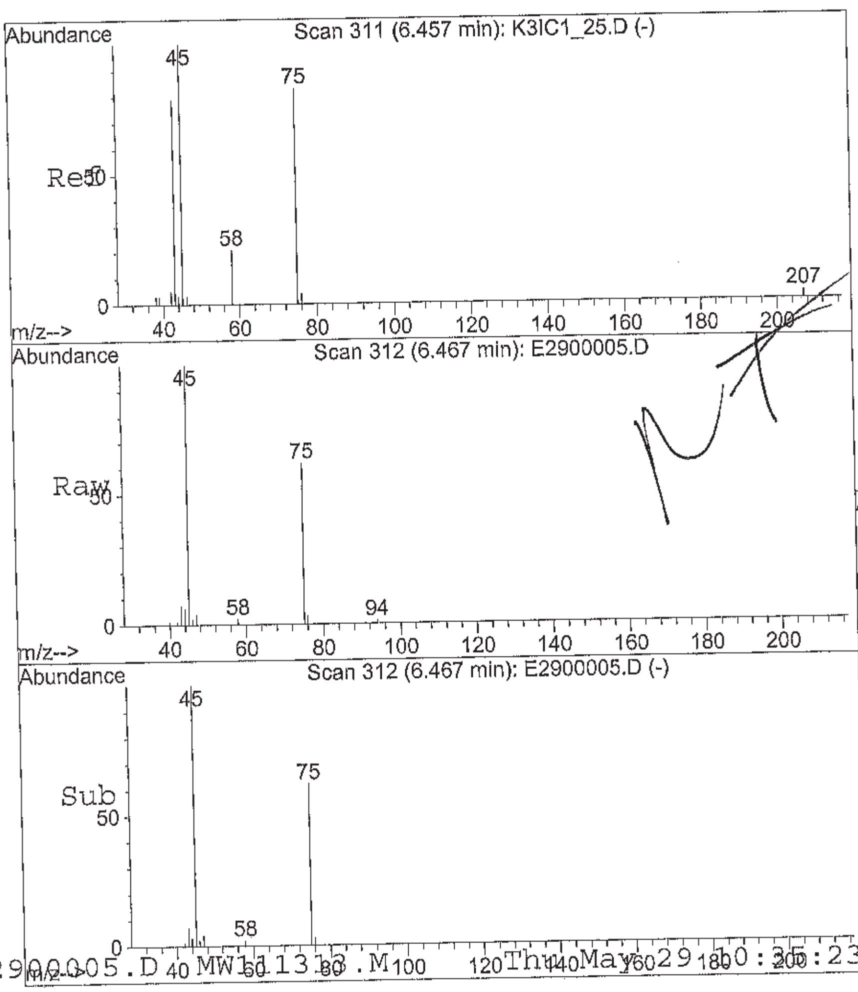


#7
Chloroethane
Concen: 2.86 ug/L
RT: 5.26 min Scan# 169
Delta R.T. 0.02 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 64 Resp: 2772

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

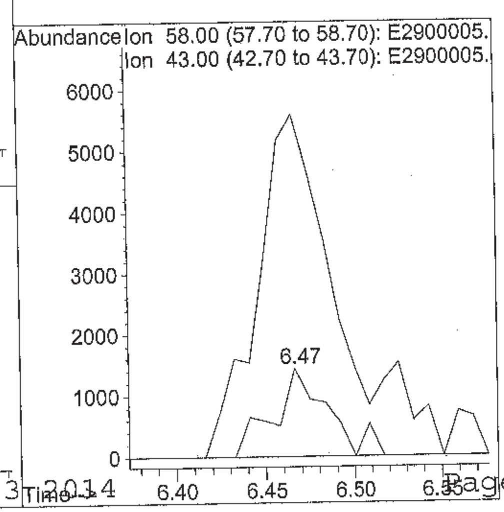


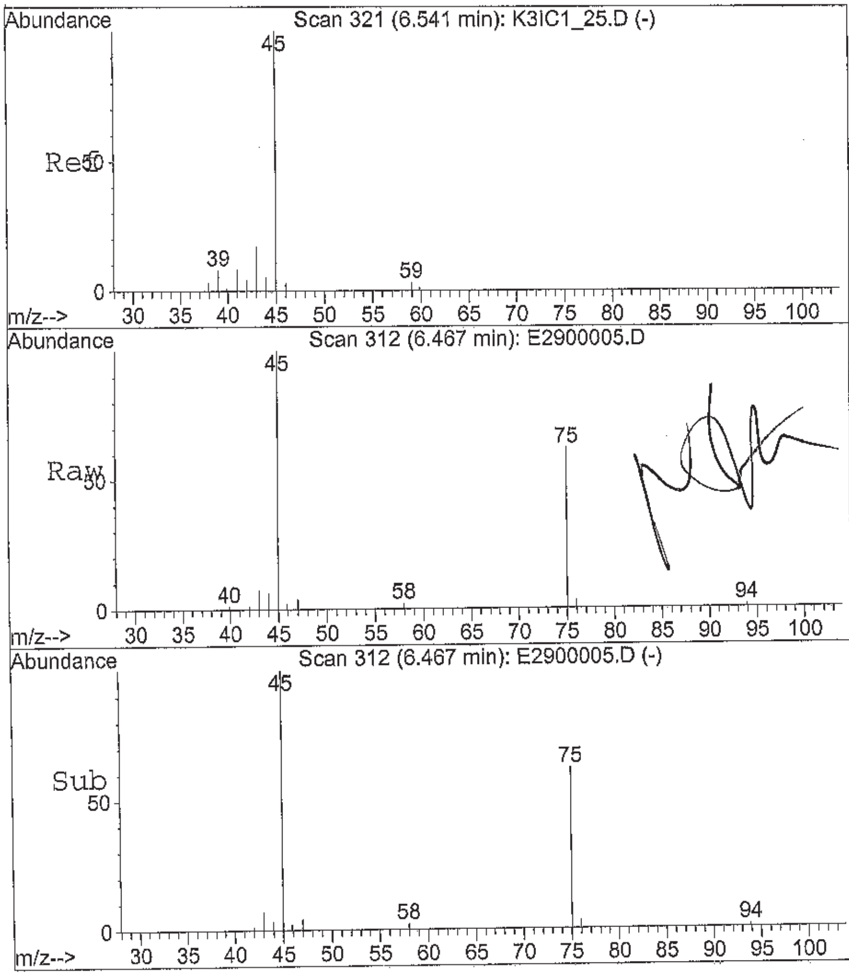


#11
Acetone
Concen: 178.60 ug/L
RT: 6.47 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 58 Resp: 3053

Ion	Ratio	Lower	Upper
58	100		
43	505.6	360.9	541.3

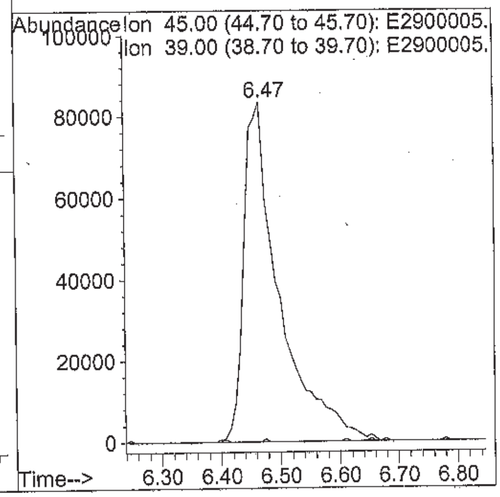


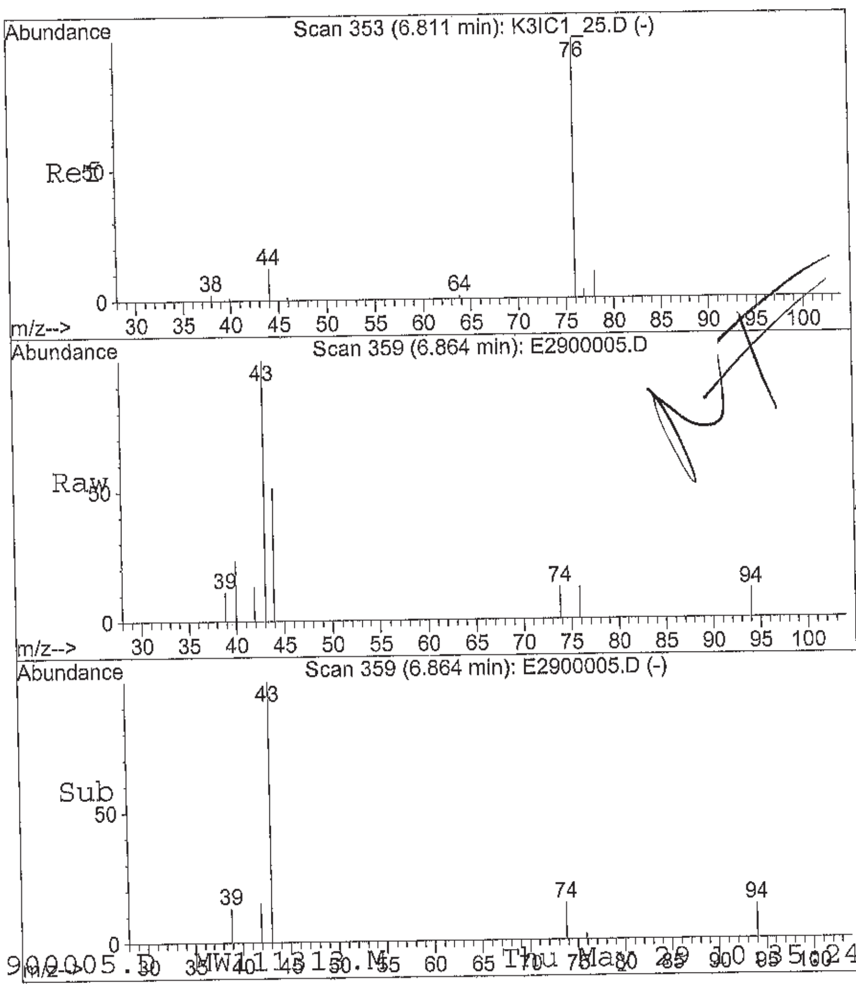


#12
(IPA) Leak Check Compound
Concen: 1880.07 ug/L
RT: 6.47 min Scan# 312
Delta R.T. -0.07 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 45 Resp: 346021

Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#

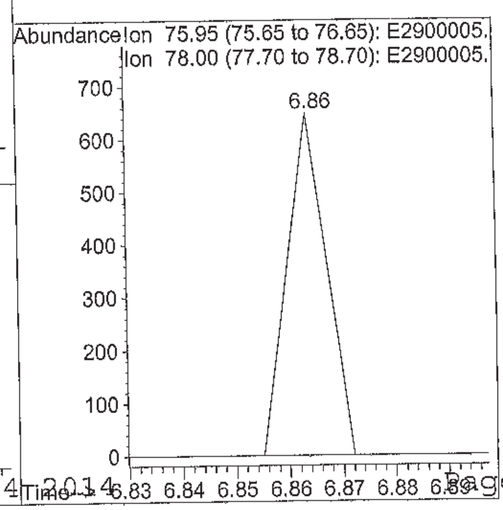


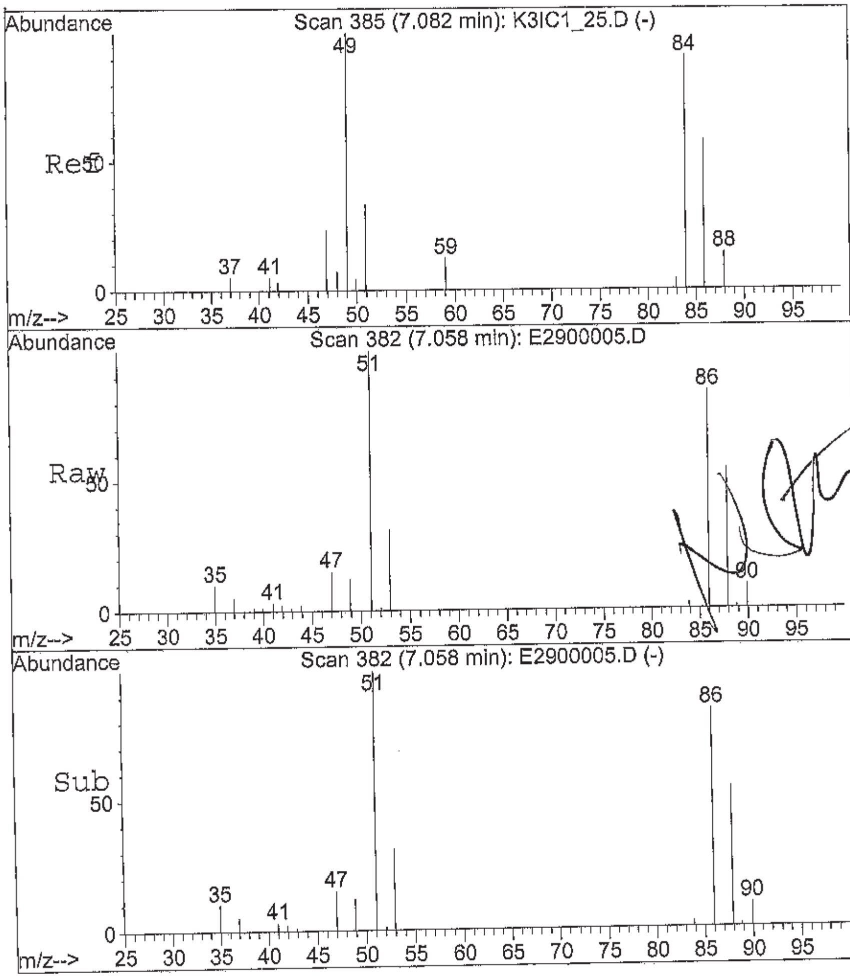


#13
Carbon disulfide
Concen: 0.03 ug/L
RT: 6.86 min Scan# 359
Delta R.T. 0.05 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 76 Resp: 328

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

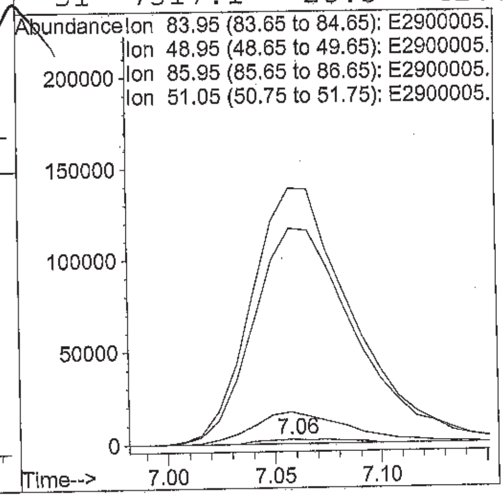


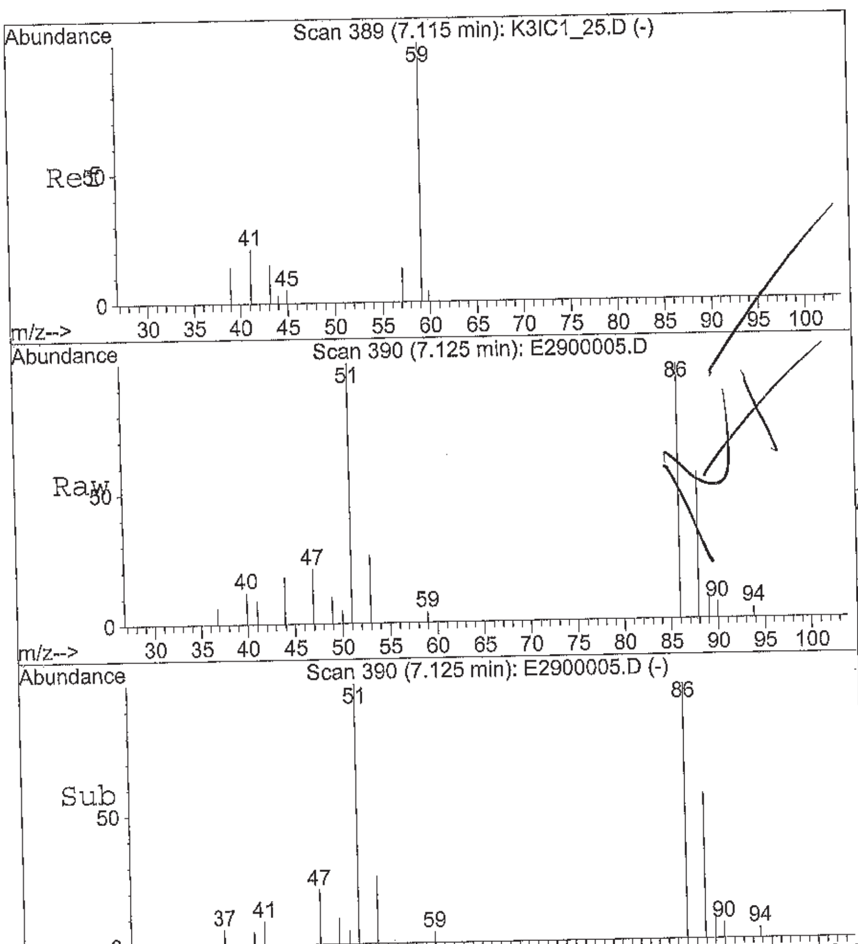


#14
Methylene Chloride
Concen: 1.49 ug/L
RT: 7.06 min   Scan# 382
Delta R.T.   -0.02 min
Lab File: E2900005.D
Acq: 29 May 2014   10:13 am

Tgt Ion: 84 Resp: 6288

Ion	Ratio	Lower	Upper
84	100		
49	840.8	89.8	134.6#
86	6246.3	51.1	76.7#
51	7317.1	28.5	42.7#

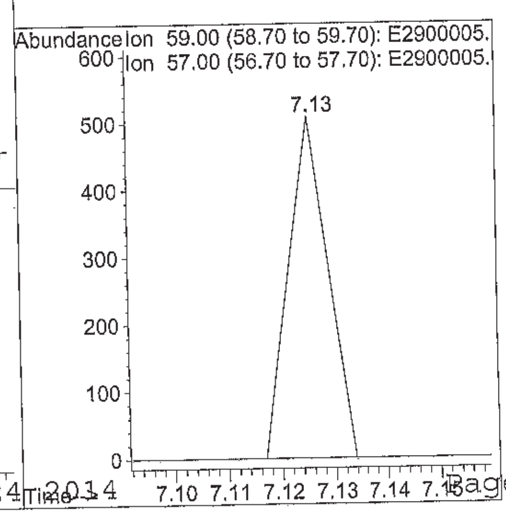


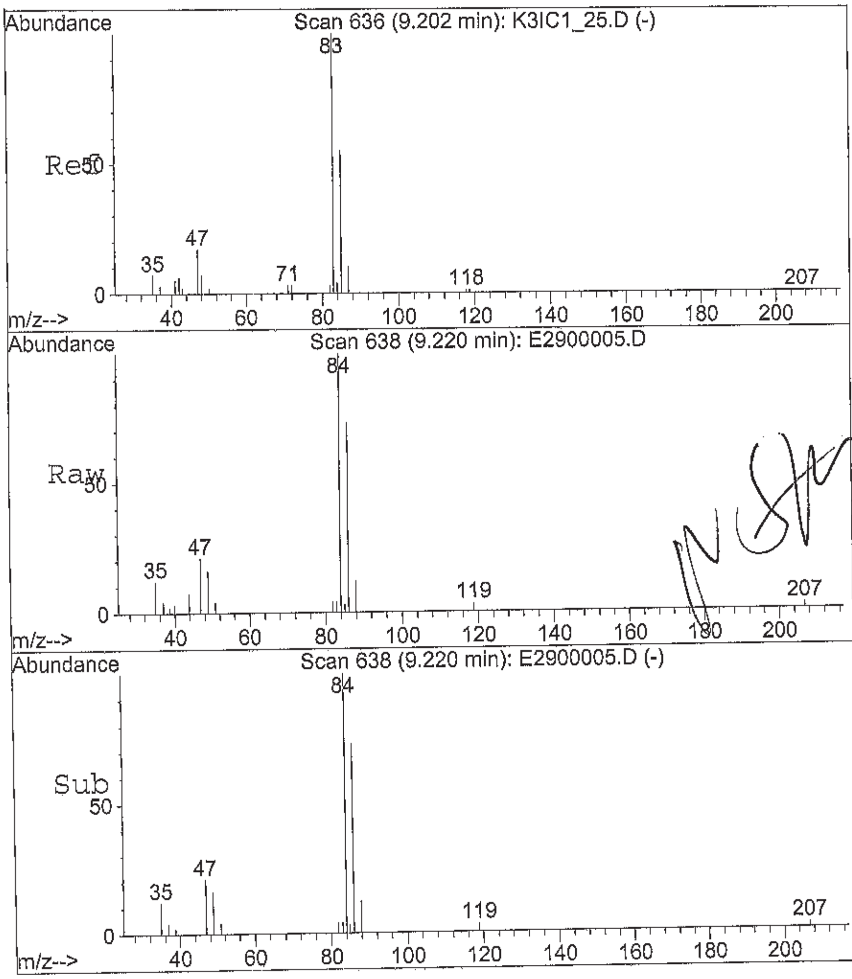


#15
(TBA) tert-Butanol
Concen: 0.98 ug/L
RT: 7.13 min   Scan# 390
Delta R.T.   0.01 min
Lab File: E2900005.D
Acq: 29 May 2014   10:13 am

Tgt Ion: 59 Resp: 257

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

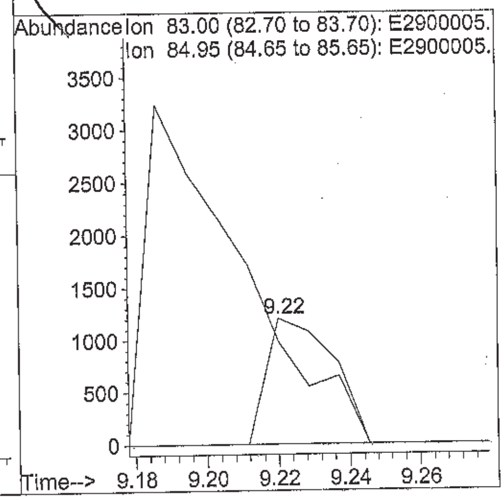


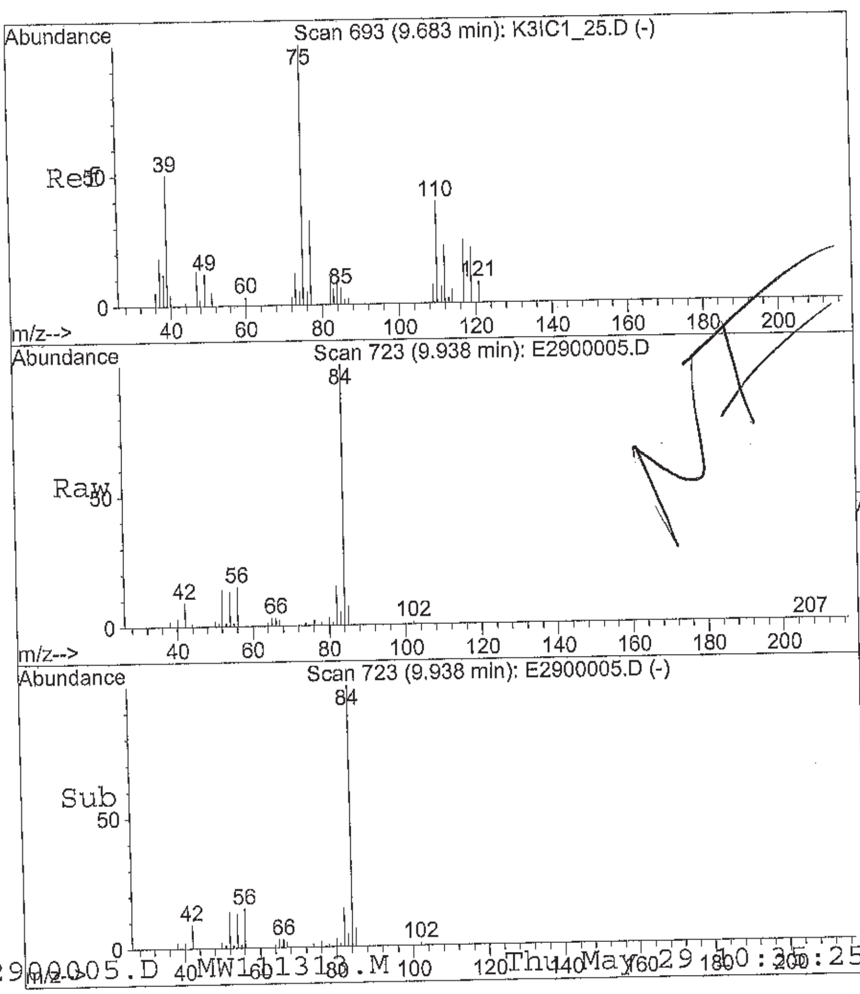


#24
Chloroform
Concen: 0.19 ug/L
RT: 9.22 min Scan# 638
Delta R.T. 0.02 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 83 Resp: 1545

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

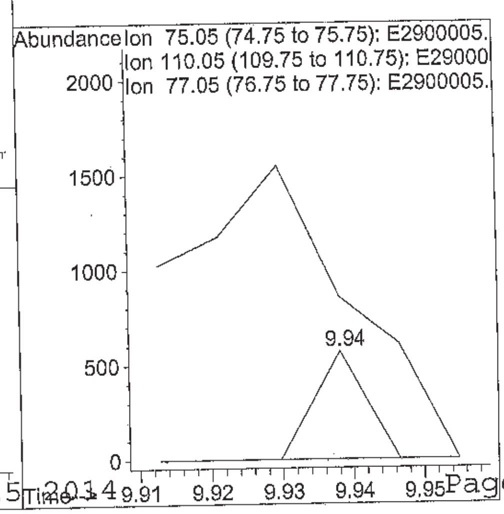


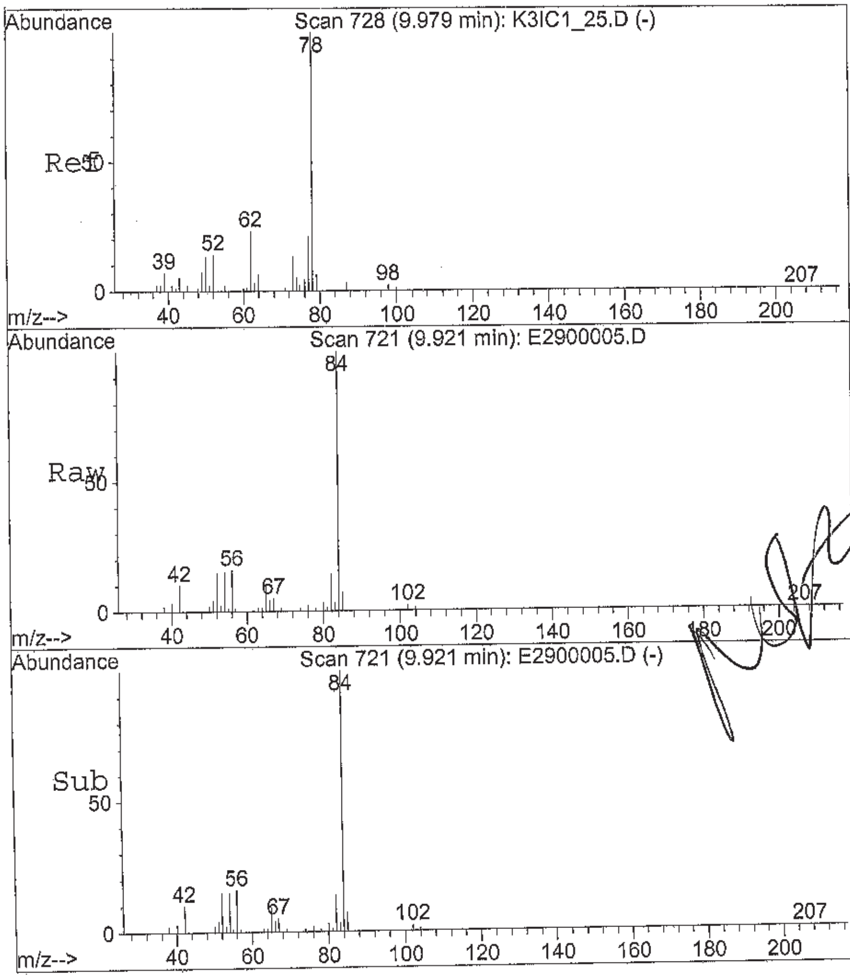


#29
1,1-Dichloropropene
Concen: 0.05 ug/L
RT: 9.94 min Scan# 723
Delta R.T. 0.25 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 75 Resp: 288

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	1051.0	25.0	37.4#

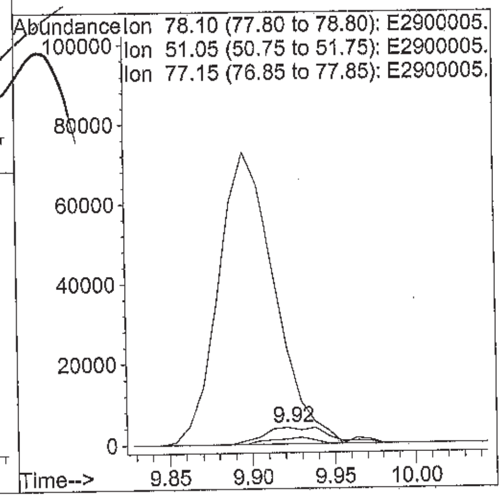


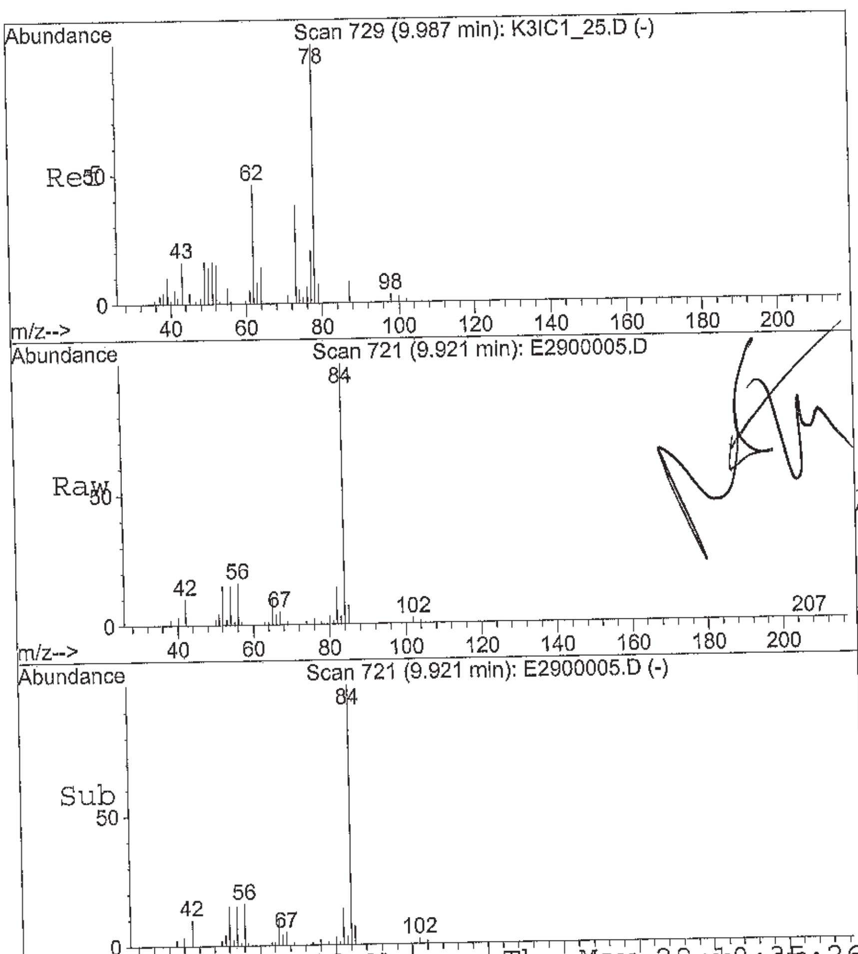


#31
Benzene
Concen: 0.75 ug/L
RT: 9.92 min   Scan# 721
Delta R.T.   -0.06 min
Lab File: E2900005.D
Acq: 29 May 2014   10:13 am

Tgt Ion: 78 Resp: 10801

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	25.2	16.6	24.8#

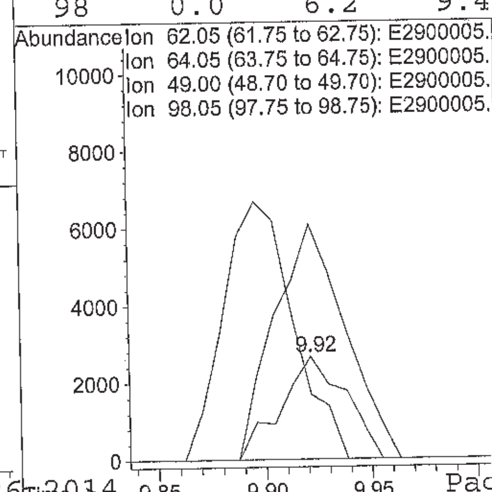


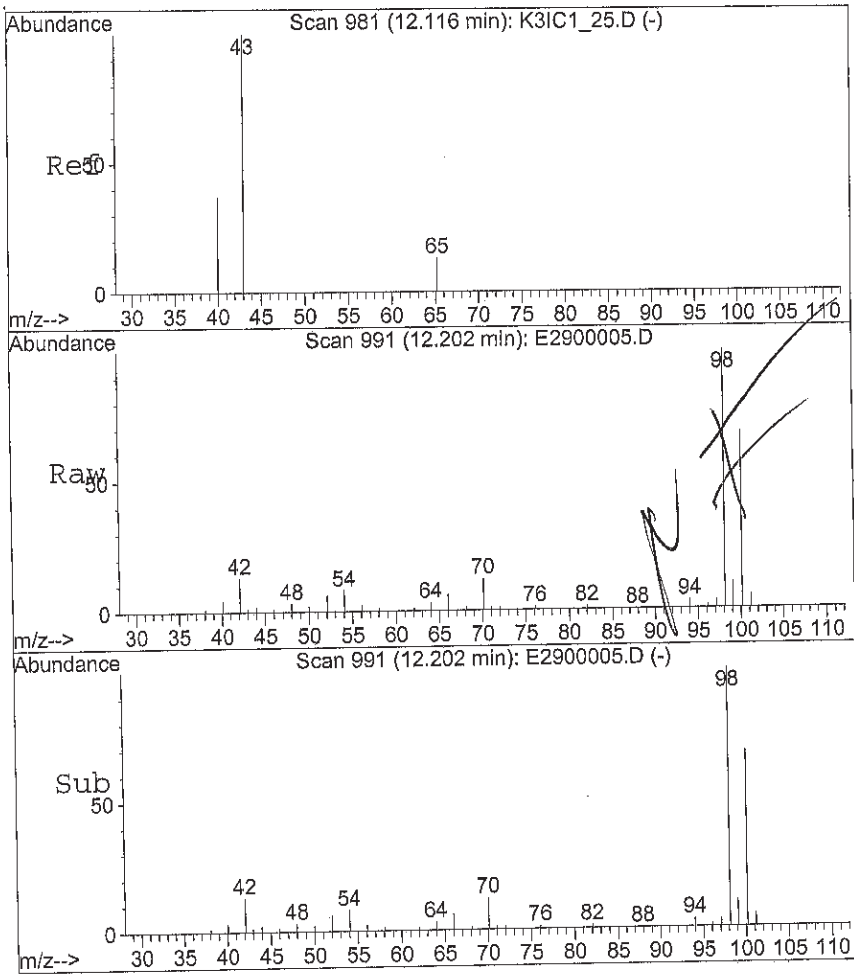


#32
1,2-Dichloroethane
Concen: 1.10 ug/L
RT: 9.92 min   Scan# 721
Delta R.T.   -0.07 min
Lab File: E2900005.D
Acq: 29 May 2014   10:13 am

Tgt Ion: 62 Resp: 5603

Ion	Ratio	Lower	Upper
62	100		
64	251.4	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

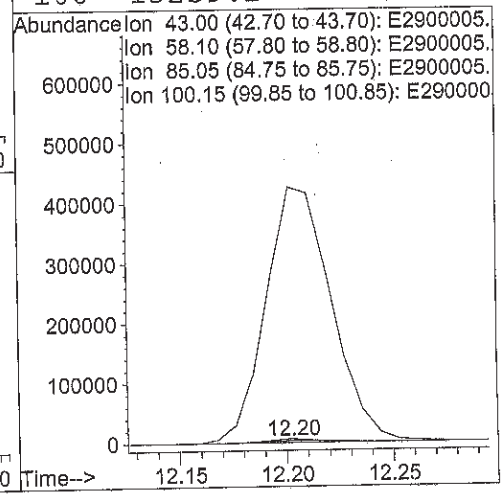


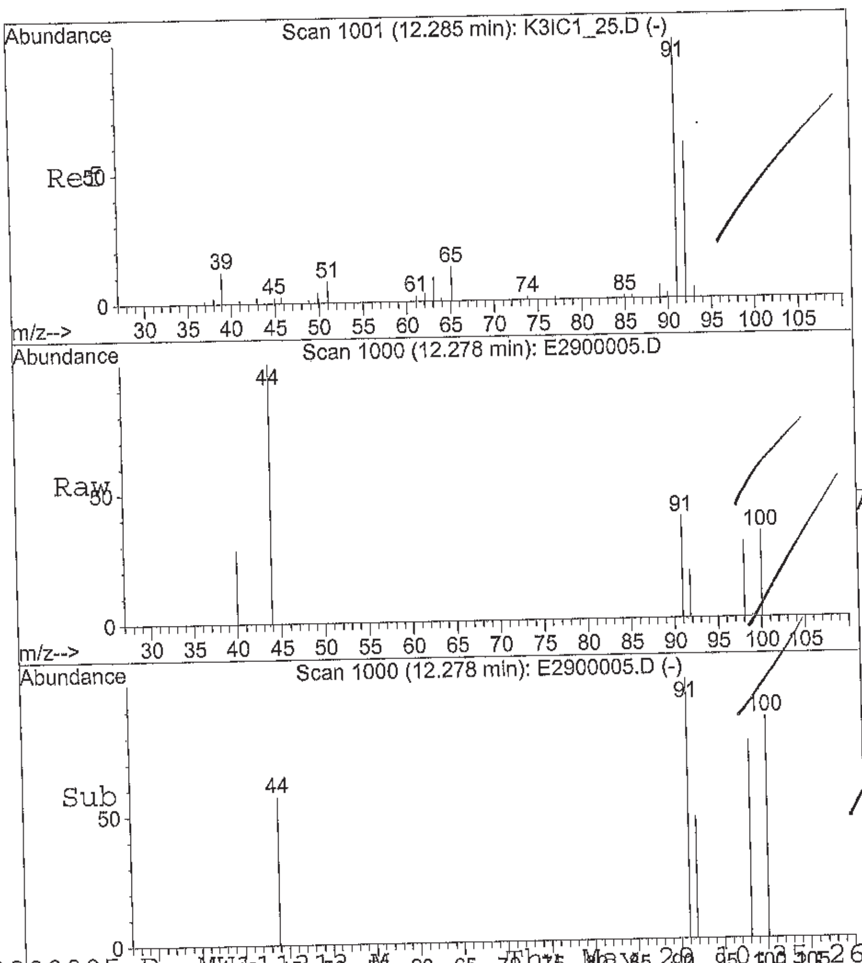


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.83 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.09 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 43 Resp: 6839

Ion	Ratio	Lower	Upper
43	100		
58	153.1	0.0	0.0#
85	0.0	0.0	0.0
100	13259.2	0.0	0.0#

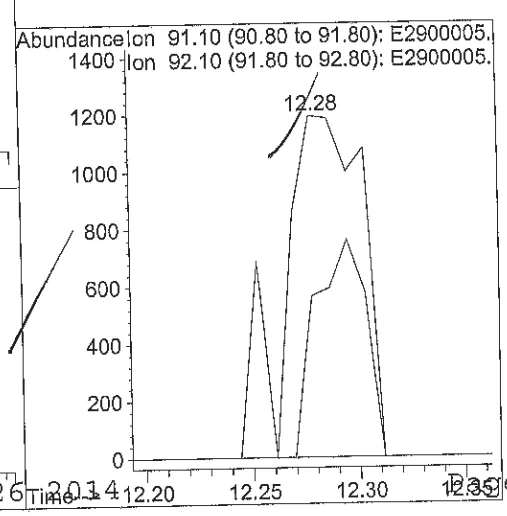


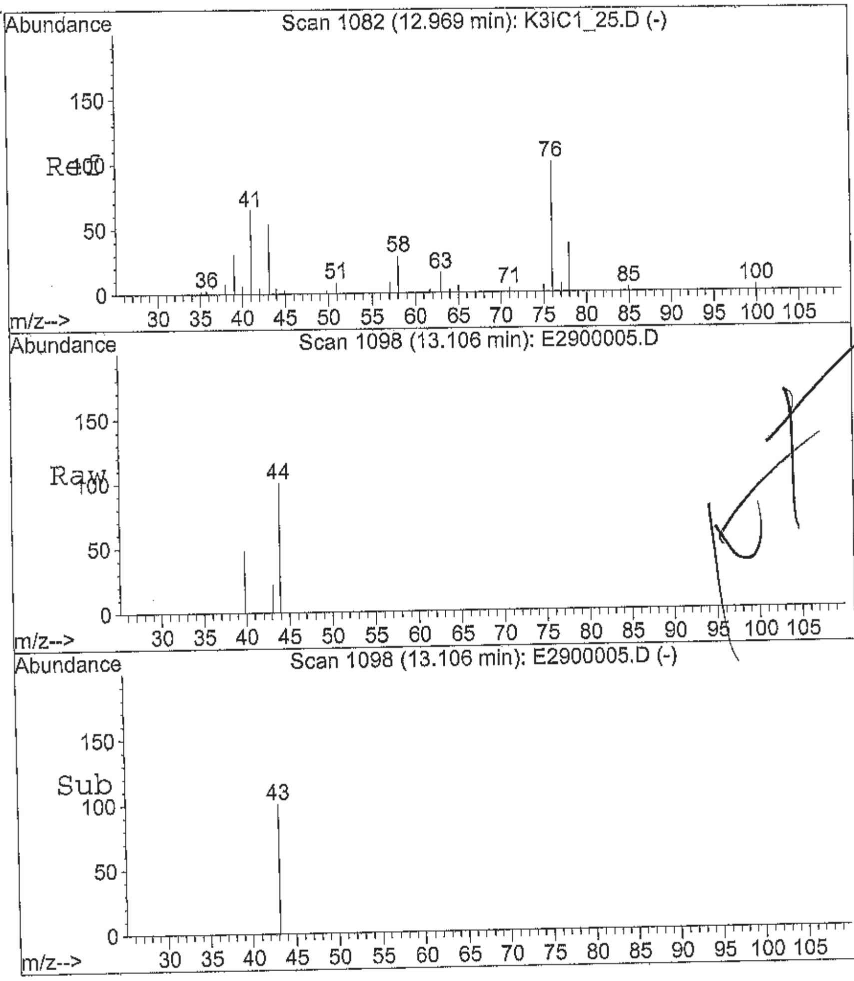


#41
Toluene
Concen: 0.18 ug/L
RT: 12.28 min Scan# 1000
Delta R.T. -0.01 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 91 Resp: 3043

Ion	Ratio	Lower	Upper
91	100		
92	41.5	47.4	71.0#

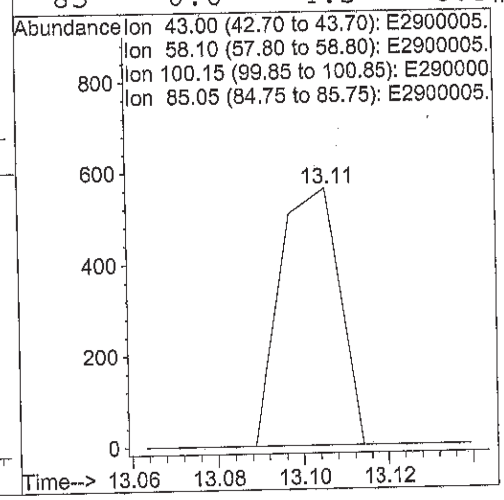


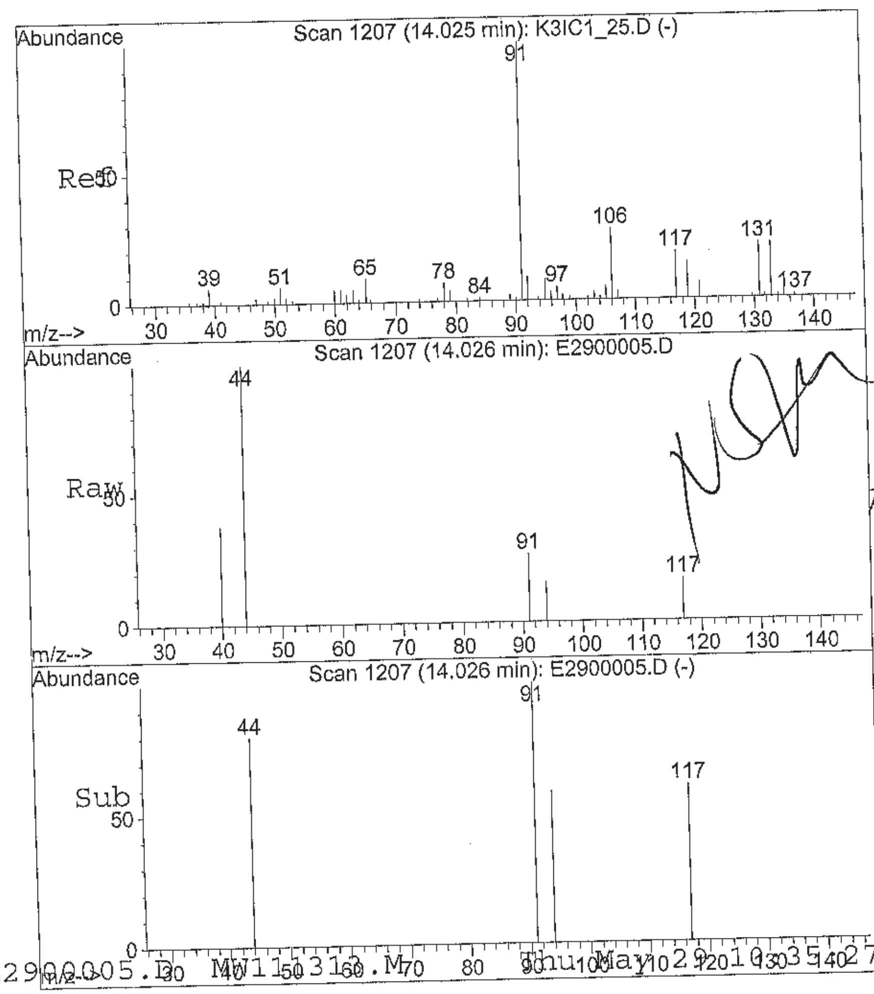


#46
2-Hexanone
Concen: 0.20 ug/L
RT: 13.11 min Scan# 1098
Delta R.T. 0.14 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 43 Resp: 542

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

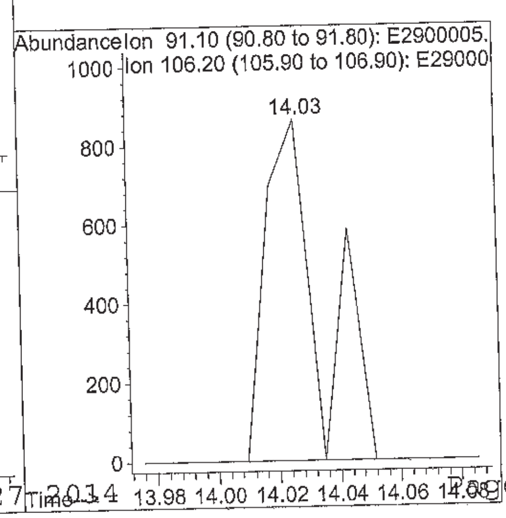


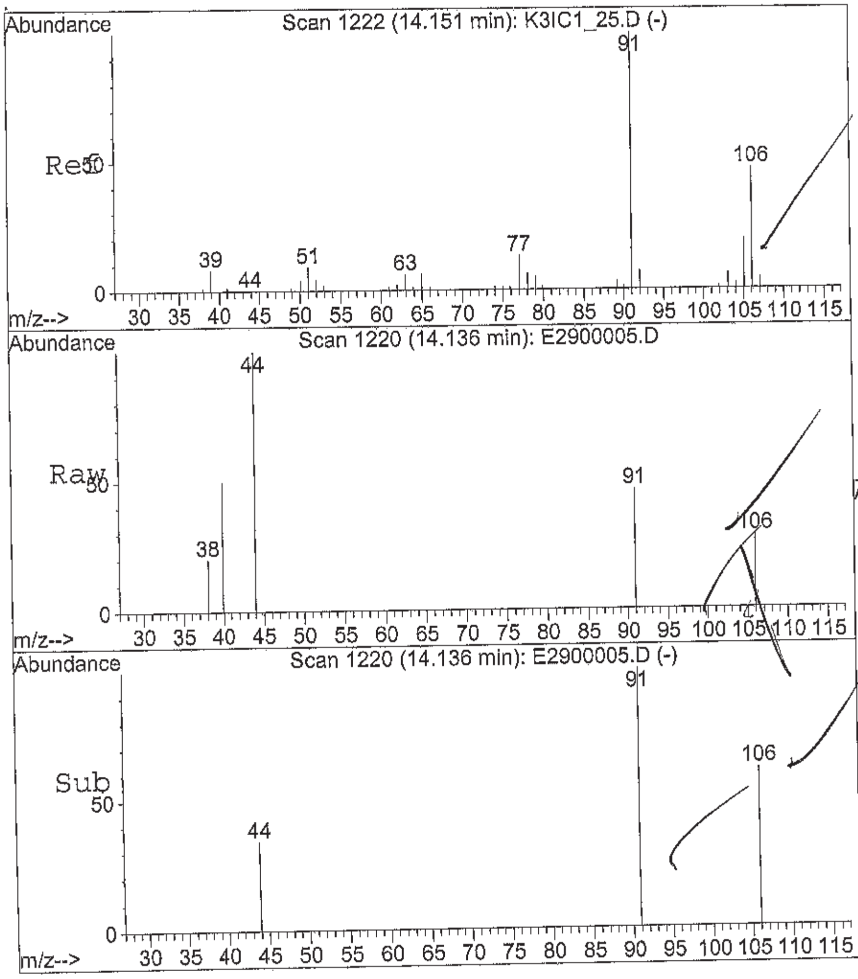


#51
Ethylbenzene
Concen: 0.06 ug/L
RT: 14.03 min Scan# 1207
Delta R.T. 0.00 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion: 91 Resp: 1088

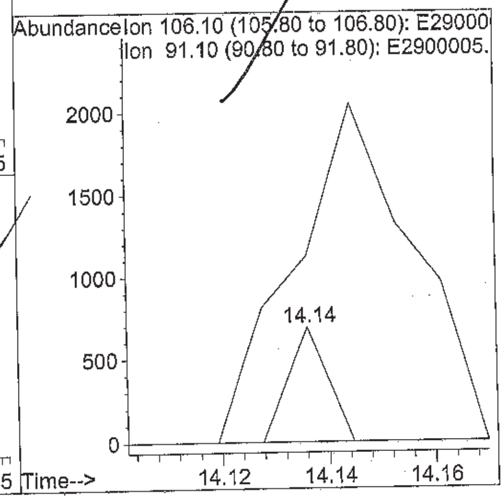
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

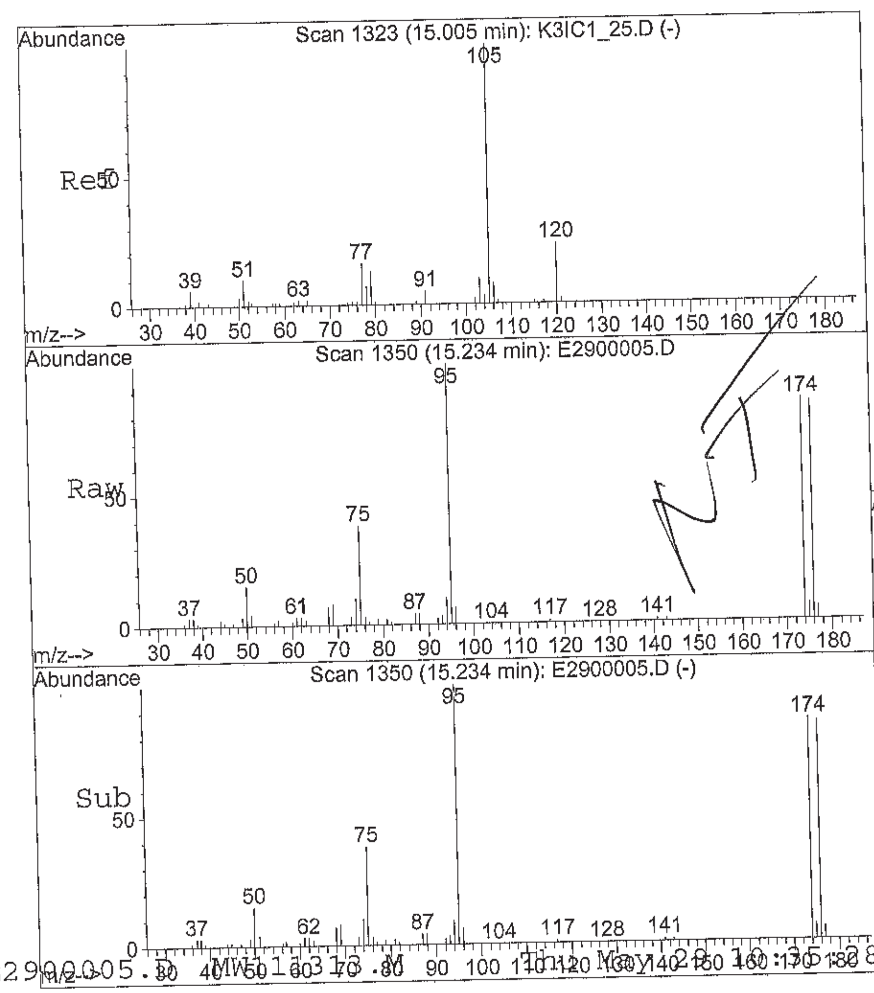




#52
m,p-Xylenes
Concen: 0.05 ug/L
RT: 14.14 min Scan# 1220
Delta R.T. -0.02 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

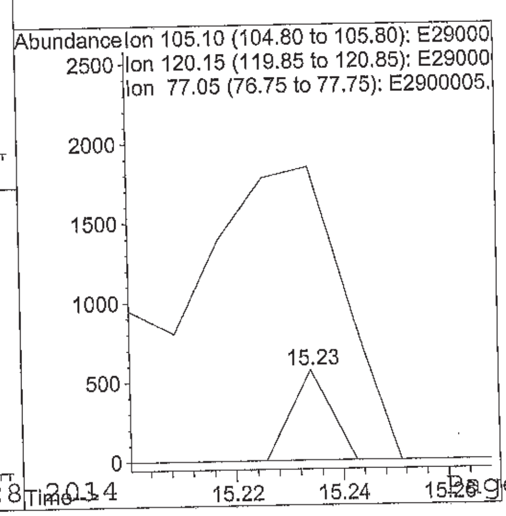
Tgt Ion:106	Resp:		349
Ion	Ratio	Lower	Upper
106	100		
91	910.0	177.1	265.7#

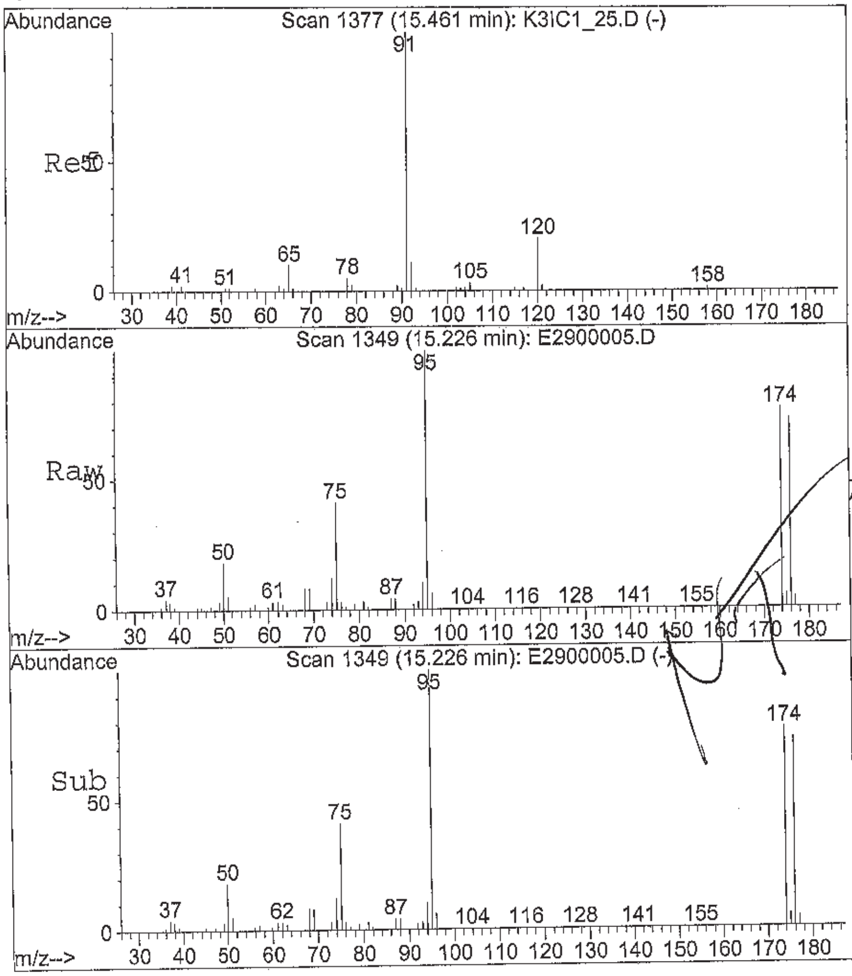




#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. 0.23 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

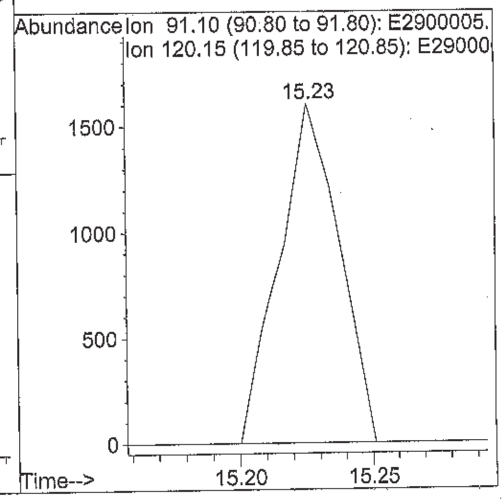
Tgt Ion:105	Resp:		288
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	1343.1	13.1	19.7#

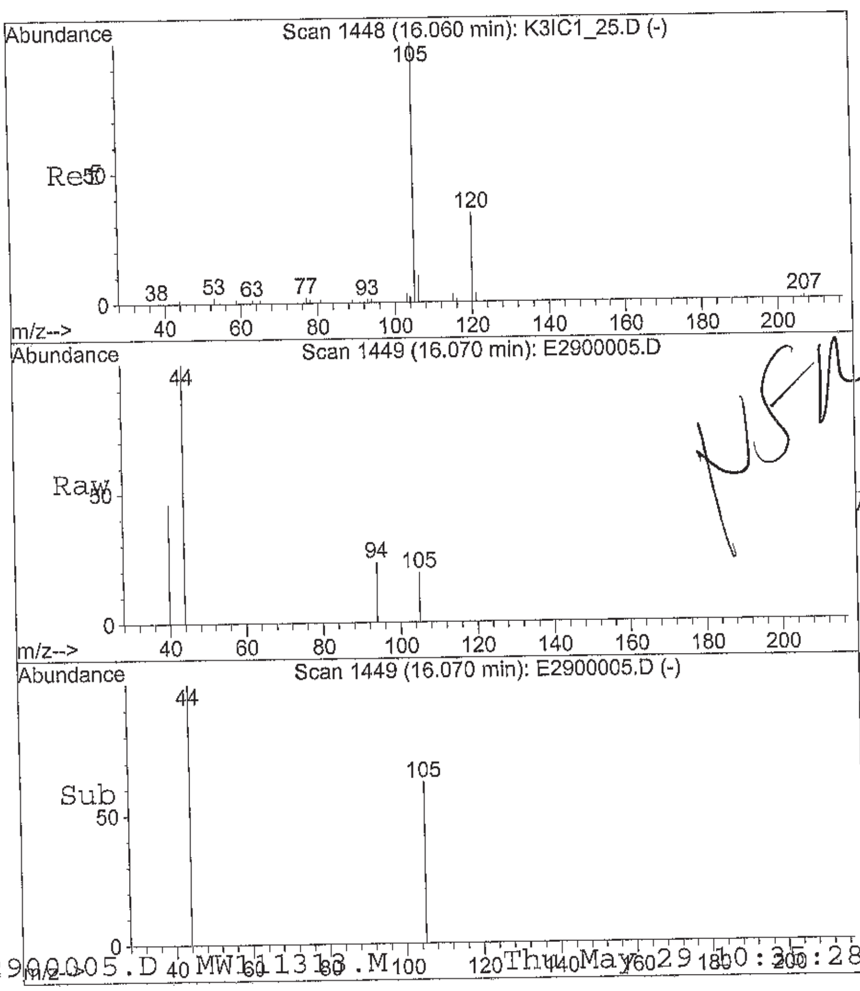




#62
n-Propylbenzene
Concen: 0.09 ug/L
RT: 15.23 min Scan# 1349
Delta R.T. -0.23 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

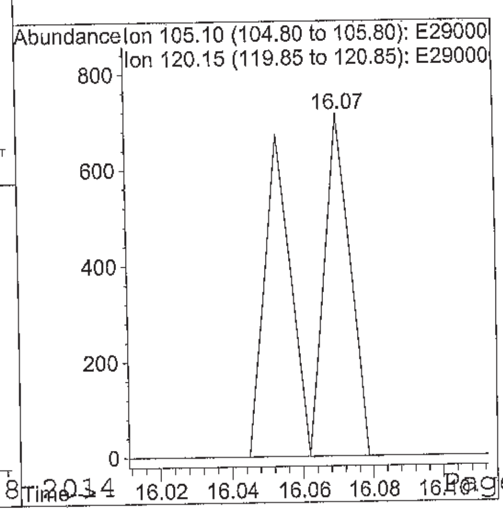
Tgt Ion: 91	Resp:		2506
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

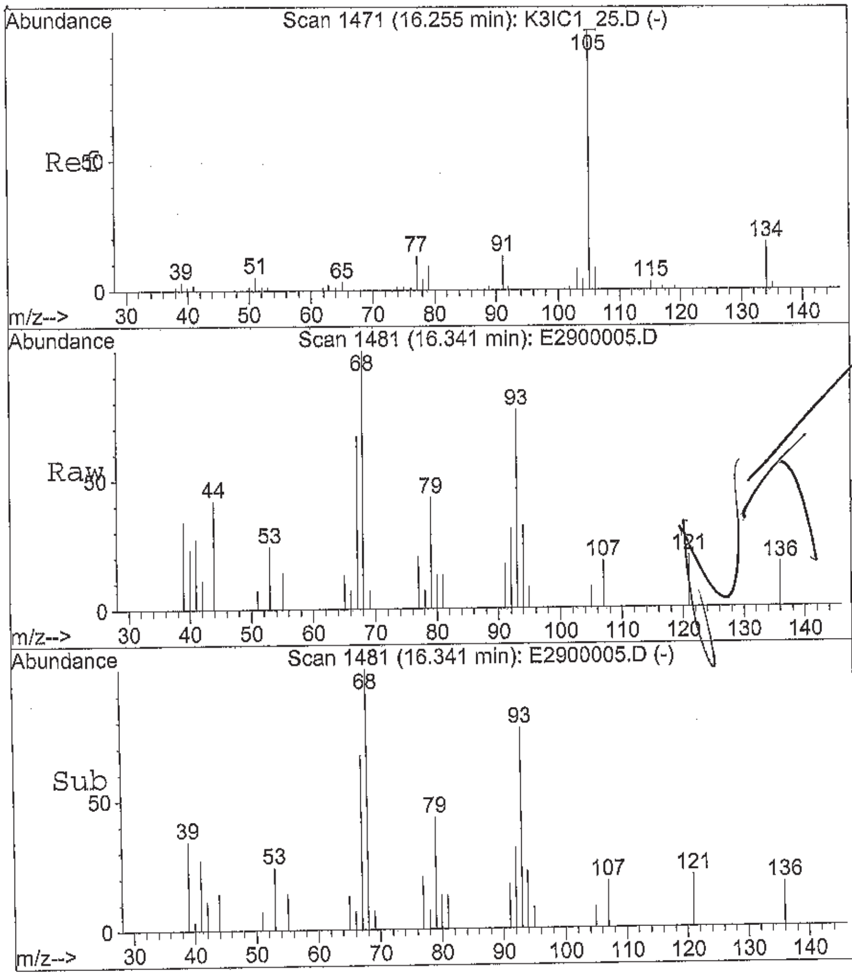




#67
1,2,4-Trimethylbenzene
Concen: 0.04 ug/L
RT: 16.07 min Scan# 1449
Delta R.T. 0.01 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion:105	Resp:		702
Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

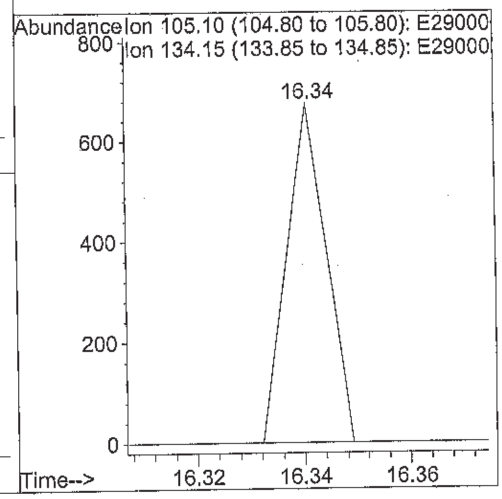




#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.34 min Scan# 1481
Delta R.T. 0.09 min
Lab File: E2900005.D
Acq: 29 May 2014 10:13 am

Tgt Ion:105 Resp: 342

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#



Data File : C:\HPCHEM\1\DATA\052914L3\E2900005.D
Vial: 4
Acq On : 29 May 2014 10:13 am
Operator: DN
Sample : 3E42901-04
Inst : GC/MS Ins
Misc : 100cc SVL-530-SA5C-SV-6.5-7.5
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:08 19114
Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1531628	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1208919	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	672911	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	430212	10.80	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	86.40%		
3) Chloroform-d (SU6)	9.19	84	694393	12.15	ug/L	~~0.00~~
Spiked Amount 12.500	Range 70 - 140		Recovery =	97.20%		
4) Methylene Chloride-d2 (SU5	7.06	86	392766	11.76	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	94.08%		
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	422014	15.50	ug/L	~~0.00~~
Spiked Amount 12.500	Range 75 - 125		Recovery =	124.00%		
6) Benzene-d6 (SU7)	9.92	84	1351810	11.25	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	90.00%		
8) Toluene-d8 (SU3)	12.21	98	1351245	11.78	ug/L	~~-0.01~~
Spiked Amount 12.500	Range 75 - 125		Recovery =	~~94.24%~~		
9) 4-Bromofluorobenzene (SU4)	15.23	95	685935	14.49	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	115.92%		

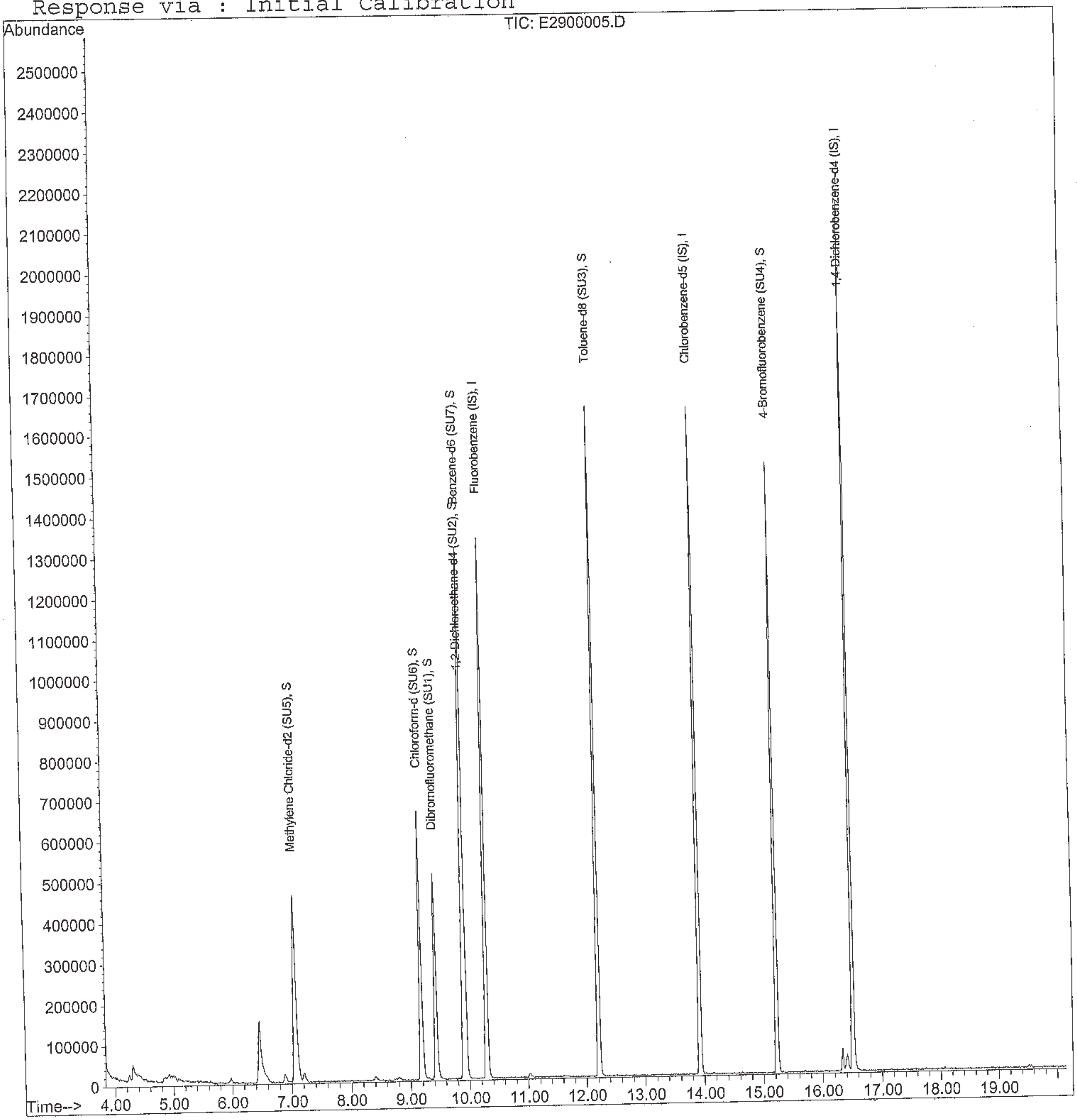
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900005.D   Vial: 4
Acq On : 29 May 2014 10:13 am   Operator: DN
Sample : 3E42901-04   Inst : GC/MS Ins
Misc : 100cc SVL-530-SA5C-SV-6.5-7.5   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:08 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900006.D
Acq On : 29 May 2014 10:44 am
Sample : 3E42901-05
Misc : 100cc SVL-519-SA5D-SV-8.9-9.5
MS Integration Params: rteint.p
Quant Time: May 29 11:06 19114

Vial: 5
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1523502	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1220492	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	678647	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	441774	11.63	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	93.04%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	431270	11.94	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	95.52%	
39) Toluene-d8 (SU3)	12.20	98	1332969	11.71	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	93.68%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	690525	13.83	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	110.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
4) Chloromethane	4.40	50	5919	1.10	~~ug/L~~ #	8M	50
6) Bromomethane	5.09	96	291	-1.60	~~ug/L~~ #		1
7) Chloroethane	5.24	64	1348	1.75	~~ug/L~~		92
9) (F113) 1,1,2-Trichloro-tri	6.33	151	453315	151.36	ug/L	3.0272	97
10) 1,1-Dichloroethene	6.34	96	348	0.10	~~ug/L~~ #	13M	1
11) Acetone	6.47	58	2419	179.65	~~ug/L~~ #		1
12) (IPA) Leak Check Compound	6.46	45	336691	1839.13	~~ug/L~~ #	12M	82
13) Carbon disulfide	6.83	76	21881	1.73	~~ug/L~~ #		92
14) Methylene Chloride	7.06	84	5429	1.30	~~ug/L~~ #		1
15) (TBA) tert-Butanol	7.13	59	262	1.01	~~ug/L~~ #	10M	77
24) Chloroform	9.21	83	1790	0.22	~~ug/L~~ #		18
25) (ETBE) 2-ethoxy 2-methyl p	8.40	59	4743	0.43	~~ug/L~~ #		44
29) 1,1-Dichloropropene	9.92	75	299	0.05	~~ug/L~~ #		1
31) Benzene	9.98	78	3027	0.21	~~ug/L~~ #		68
32) 1,2-Dichloroethane	9.91	62	6402	1.26	~~ug/L~~ #		1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	6777	2.78	~~ug/L~~ #		100
41) Toluene	12.28	91	24544	1.48	ug/L	0.0296	93
42) trans-1,3-Dichloropropene	12.50	75	1576	0.29	~~ug/L~~ #	15M	30
46) 2-Hexanone	12.88	43	273	0.10	~~ug/L~~ #		37
51) Ethylbenzene	14.02	91	7514	0.40	ug/L #	0.008	64
52) m,p-Xylenes	14.14	106	9032	1.34	ug/L	0.0268	99
53) o-Xylene	14.61	106	2464	0.37	ug/L	0.0074	80

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052914L3\E2900006.D Vial: 5
Acq On : 29 May 2014 10:44 am Operator: DN
Sample : 3E42901-05 Inst : GC/MS Ins
Misc : 100cc SVL-519-SA5D-SV-8.9-9.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:06 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
54)	Styrene	14.62	104	1128	-0.76	~~ug/L~~ # 8v	38
56)	Isopropylbenzene	15.00	105	1459	0.08	~~ug/L~~ #	1
62)	n-Propylbenzene	15.45	91	1471	0.05	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.60	91	3150	0.19	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.61	105	972	0.06	✓ ug/L # 0.0012	71
65)	4-Chlorotoluene	15.60	91	3150	0.20	~~ug/L~~ # 8v	44
66)	tert-Butylbenzene	16.07	119	272	0.02	~~ug/L~~ #	24
67)	1,2,4-Trimethylbenzene	16.06	105	4296	0.24	✓ ug/L # 0.0048	70
68)	sec-Butylbenzene	16.34	105	24166	1.06	~~ug/L~~ # 8v	62
69)	p-Isopropyltoluene	16.38	119	2404	0.13	~~ug/L~~ #	52
72)	n-Butylbenzene	16.67	91	646	0.03	~~ug/L~~ #	30

(#) = qualifier out of range (m) = manual integration

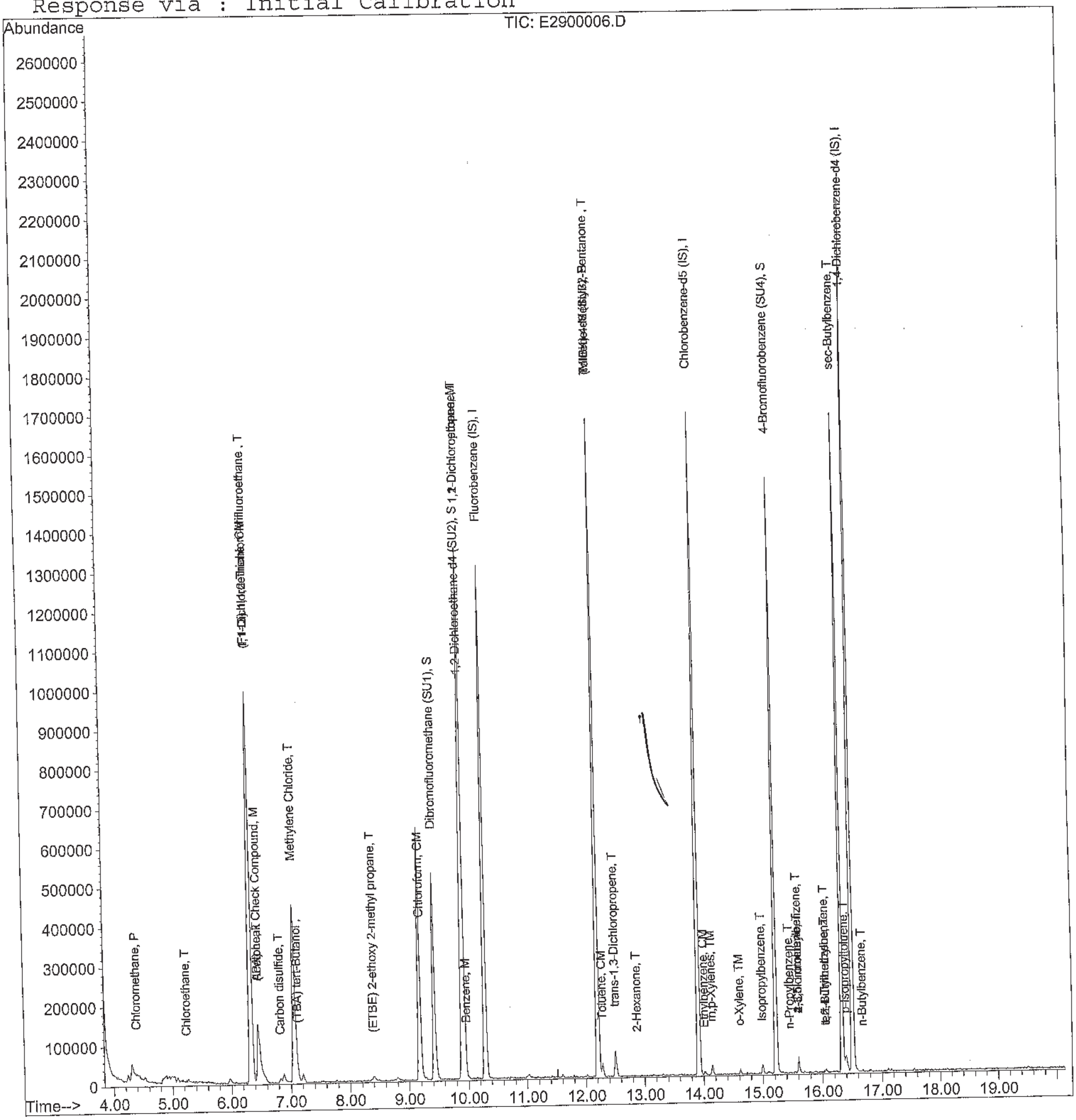
Quantitation Report

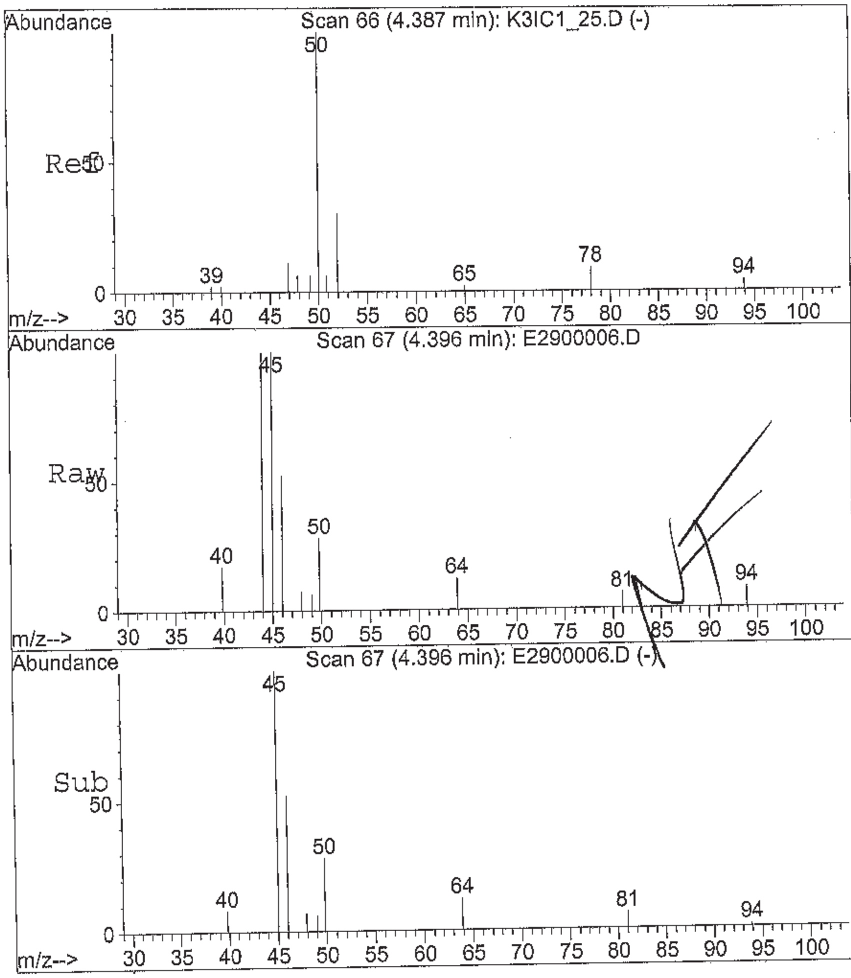
Data File : C:\HPCHEM\1\DATA\052914L3\E2900006.D
Acq On : 29 May 2014 10:44 am
Sample : 3E42901-05
Misc : 100cc SVL-519-SA5D-SV-8.9-9.5
MS Integration Params: rteint.p
Quant Time: May 29 11:06 19114

Vial: 5
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

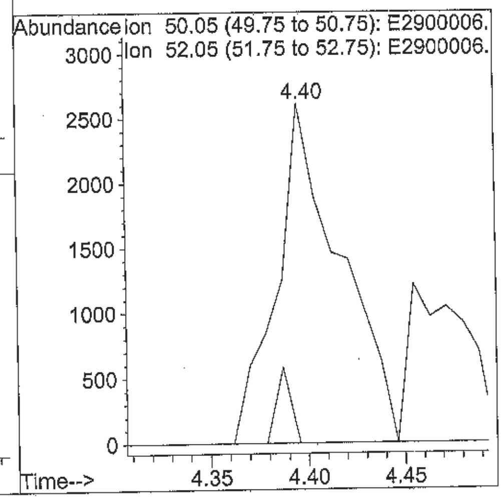


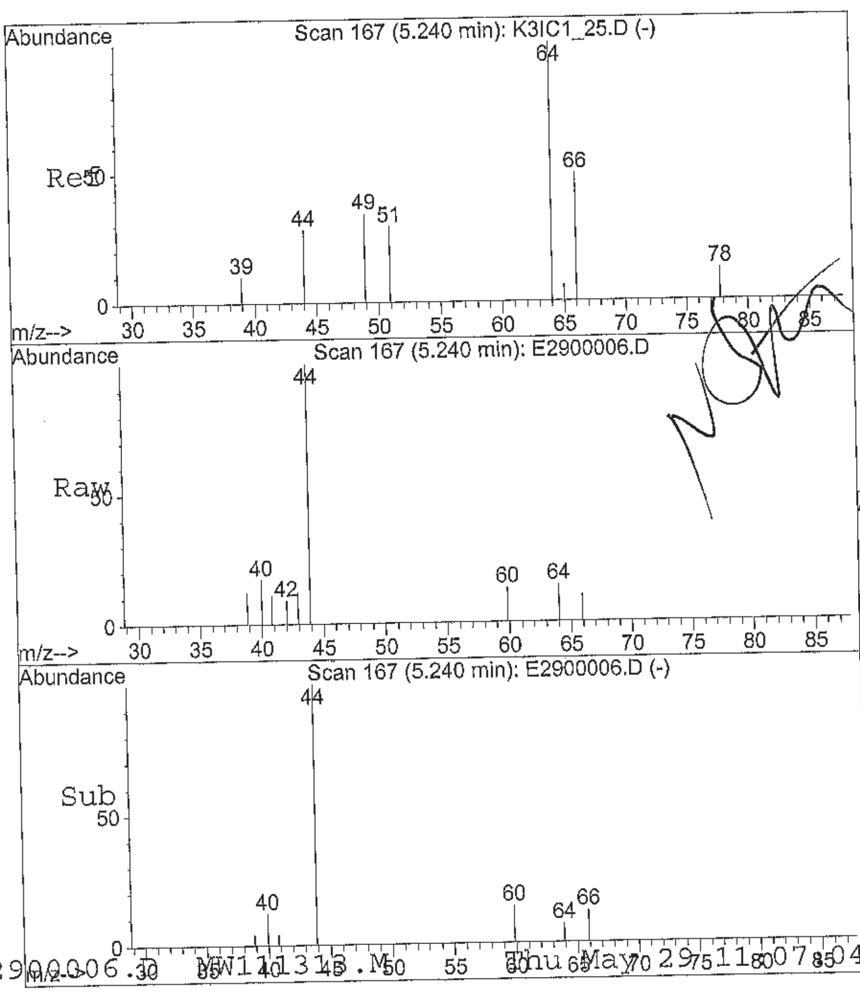


#4
Chloromethane
Concen: 1.10 ug/L
RT: 4.40 min   Scan# 67
Delta R.T.   0.01 min
Lab File: E2900006.D
Acq: 29 May 2014   10:44 am

Tgt Ion: 50 Resp: 5919

Ion	Ratio	Lower	Upper
50	100		
52	5.0	26.9	40.3#

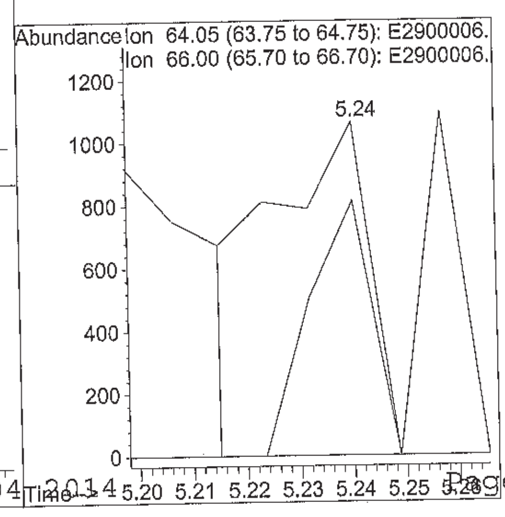


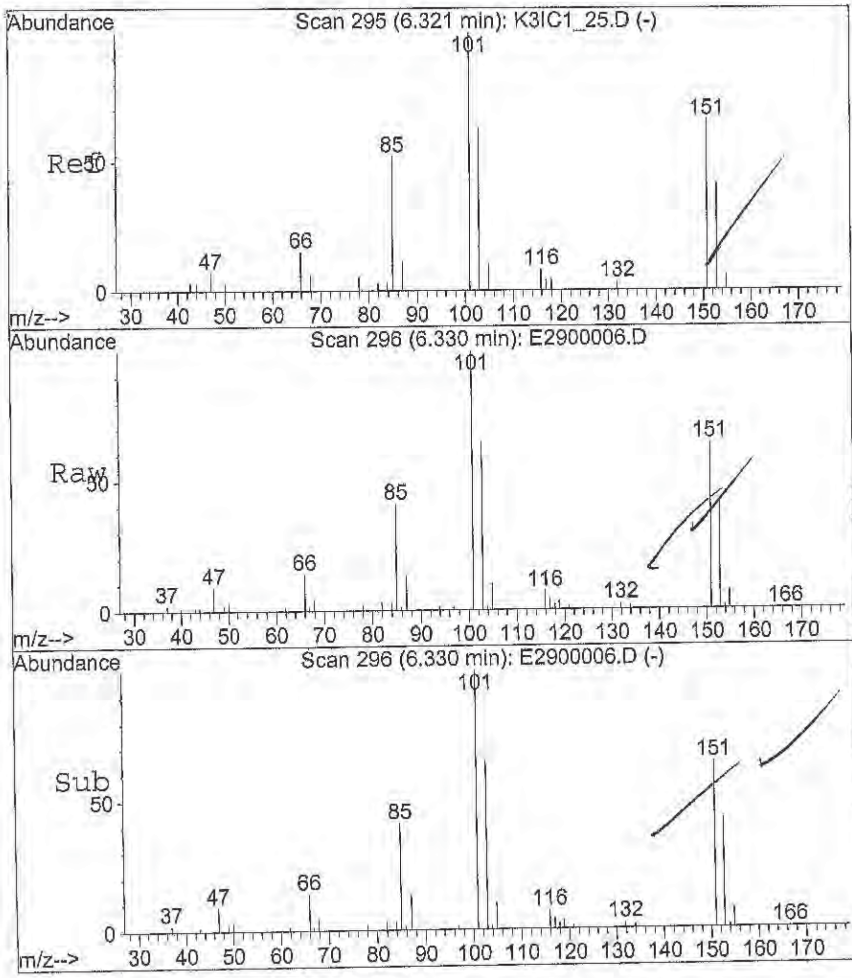


#7
Chloroethane
Concen: 1.75 ug/L
RT: 5.24 min   Scan# 167
Delta R.T.   0.00 min
Lab File: E2900006.D
Acq: 29 May 2014   10:44 am

Tgt Ion: 64 Resp: 1348

Ion	Ratio	Lower	Upper
64	100		
66	49.5	35.4	53.0

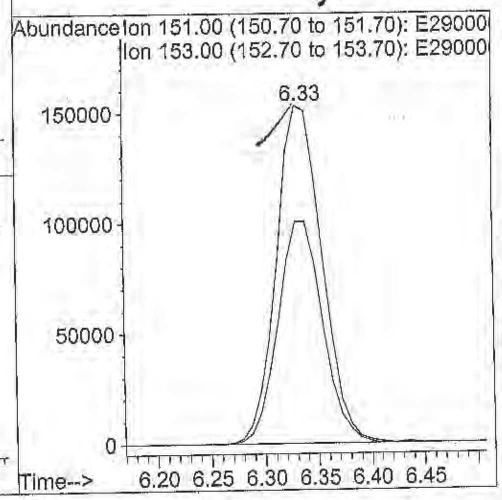


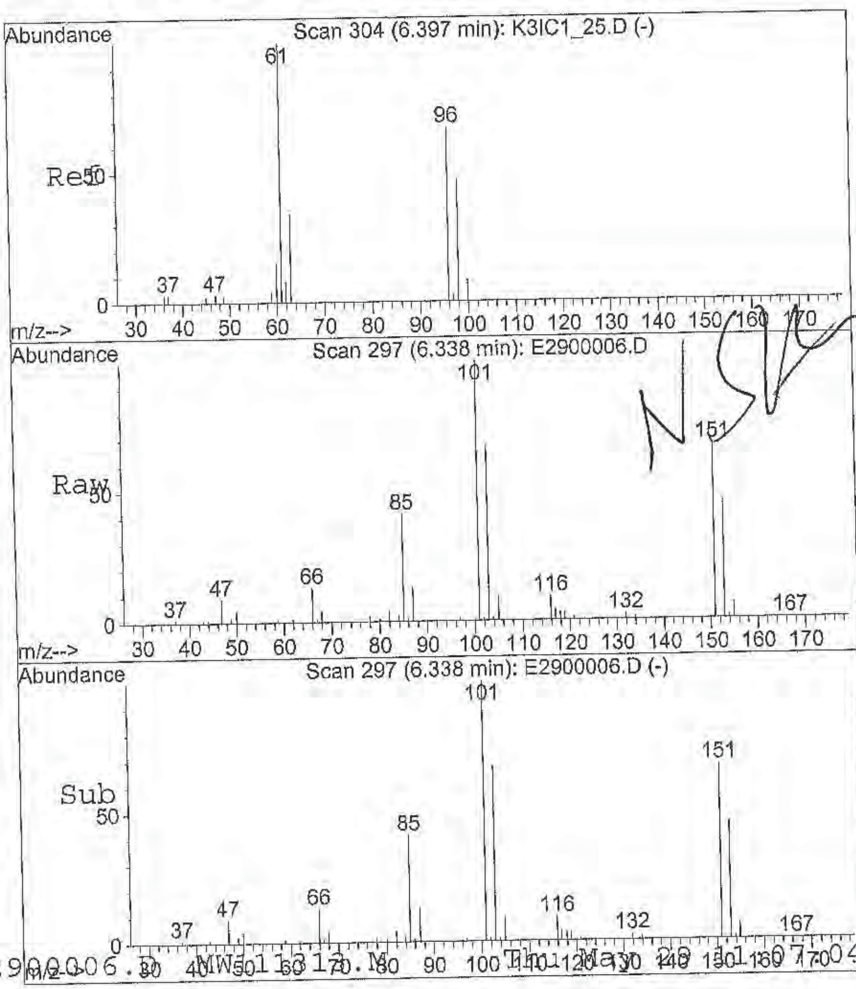


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 151.36 ug/L
RT: 6.33 min Scan# 296
Delta R.T. 0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:151 Resp: 453315

Ion	Ratio	Lower	Upper
151	100		
153	64.5	49.6	74.4

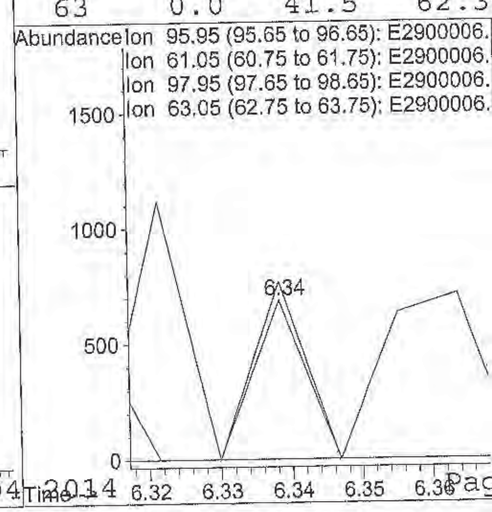


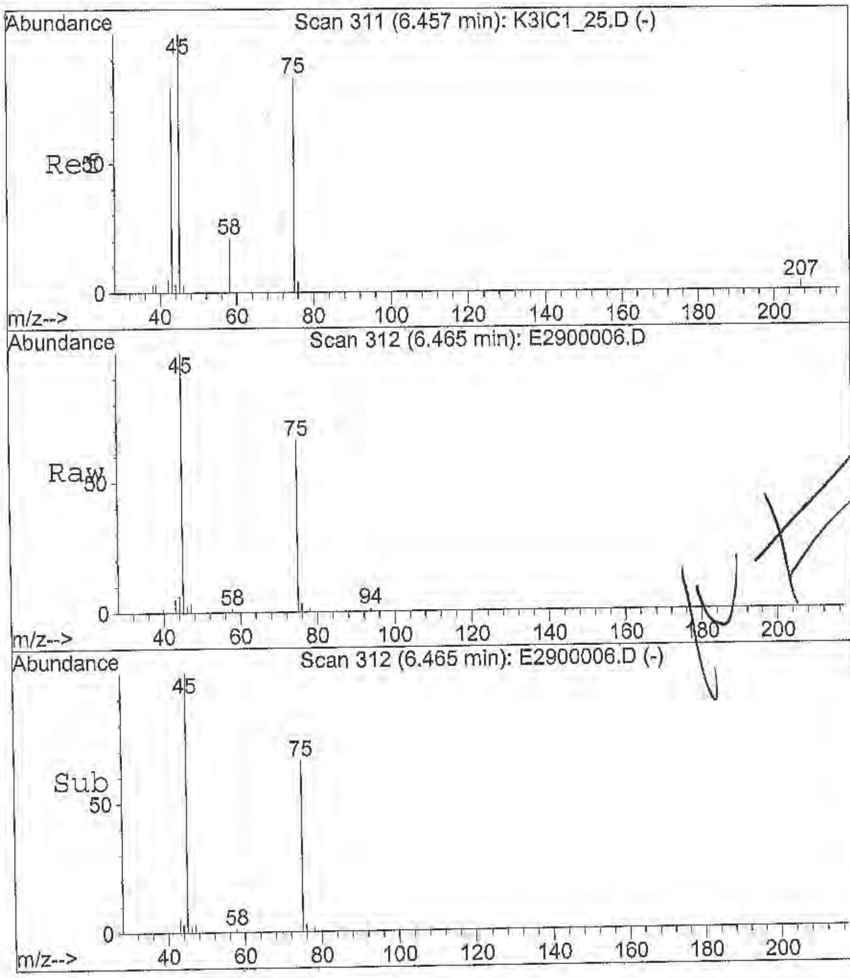


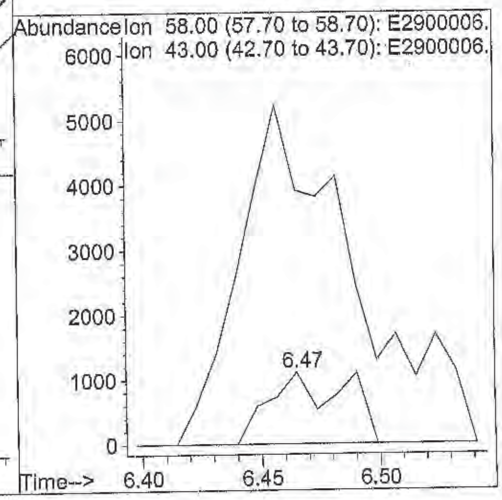
#10
1,1-Dichloroethene
Concen: 0.10 ug/L
RT: 6.34 min Scan# 297
Delta R.T. -0.06 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 96 Resp: 348

Ion	Ratio	Lower	Upper
96	100		
61	0.0	130.0	195.0#
98	0.0	56.2	84.4#
63	0.0	41.5	62.3#



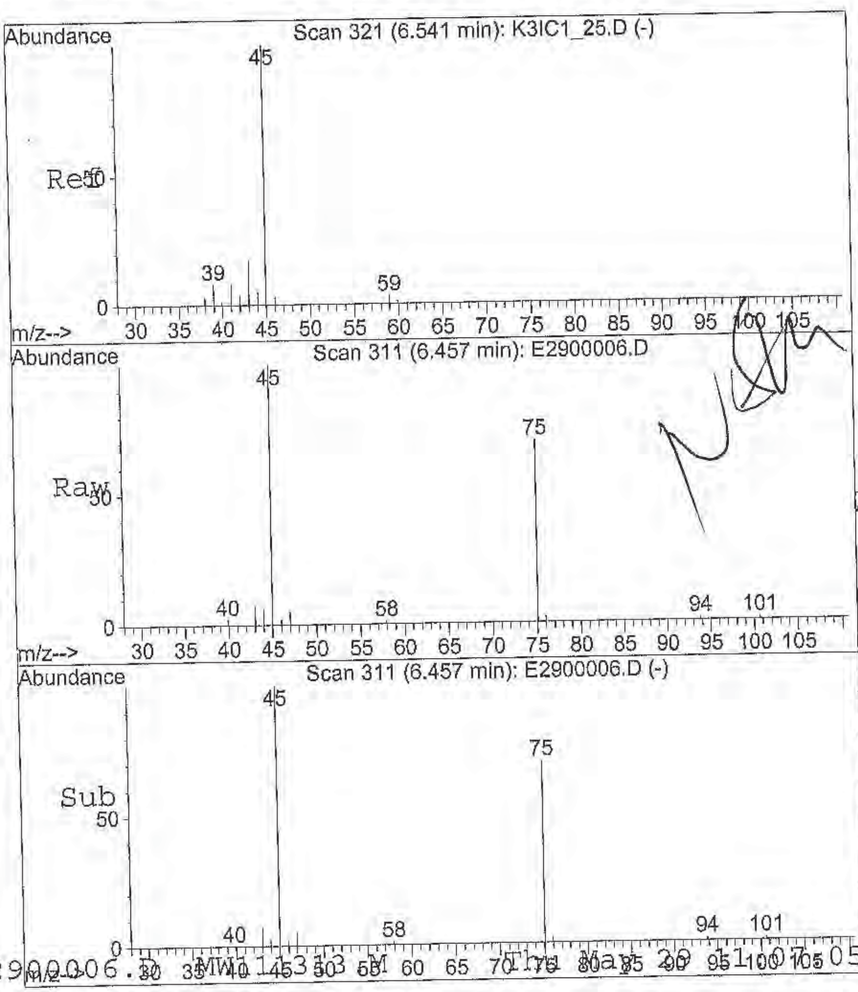


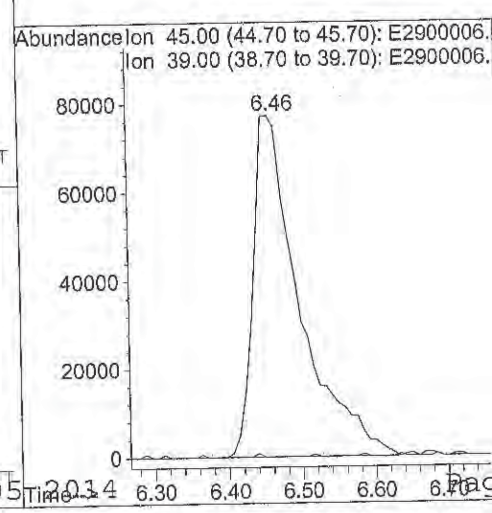


#11
Acetone
Concen: 179.65 ug/L
RT: 6.47 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 58 Resp: 2419

Ion	Ratio	Lower	Upper
58	100		
43	731.0	360.9	541.3#

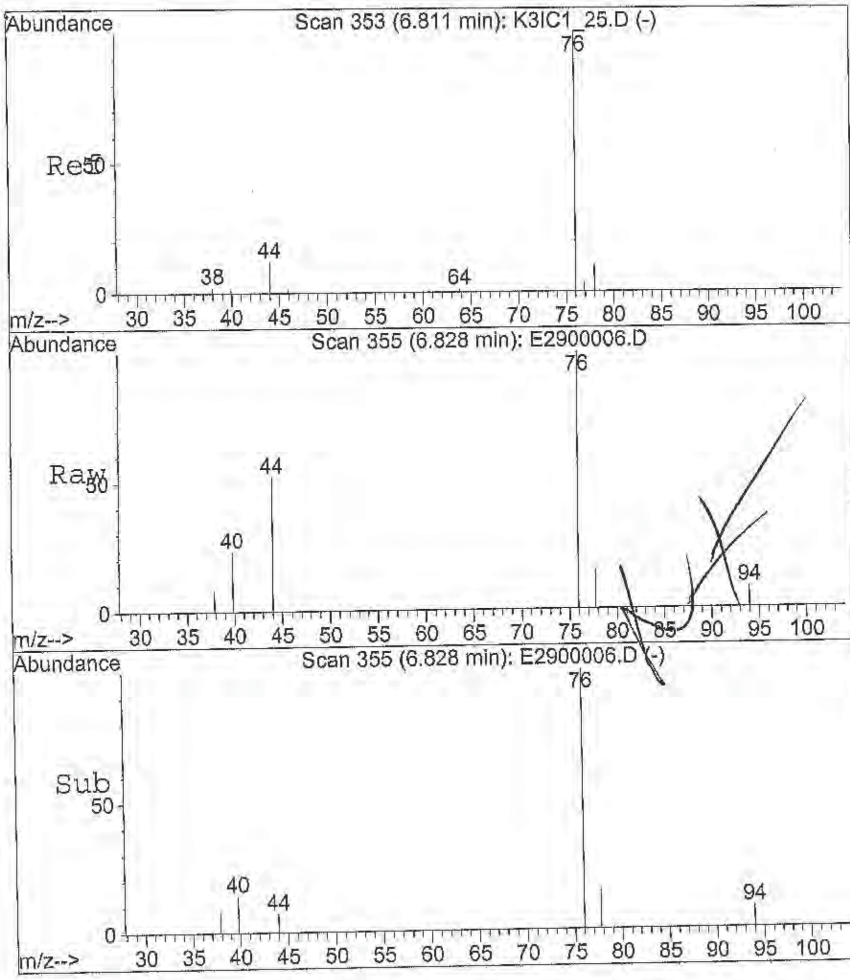




#12
(IPA) Leak Check Compound
Concen: 1839.13 ug/L
RT: 6.46 min Scan# 311
Delta R.T. -0.08 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

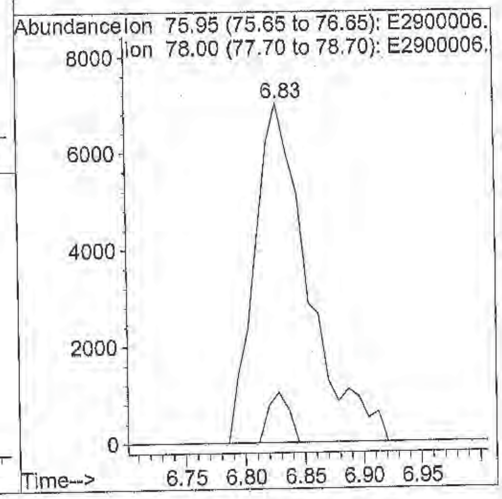
Tgt Ion: 45 Resp: 336691

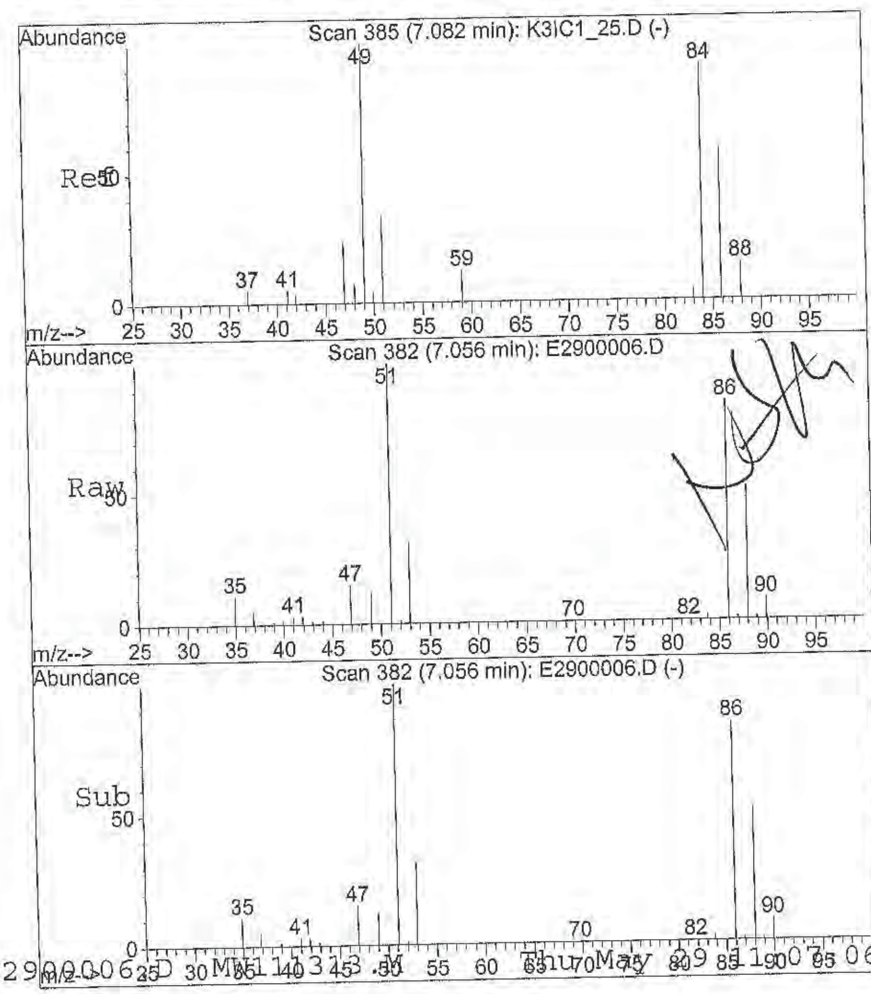
Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#



#13
Carbon disulfide
Concen: 1.73 ug/L
RT: 6.83 min Scan# 355
Delta R.T. 0.02 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

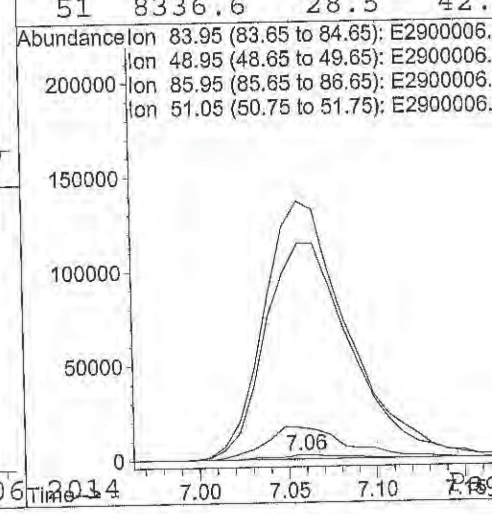
Tgt Ion: 76	Resp:		21881
Ion	Ratio	Lower	Upper
76	100		
78	5.7	7.0	10.4#

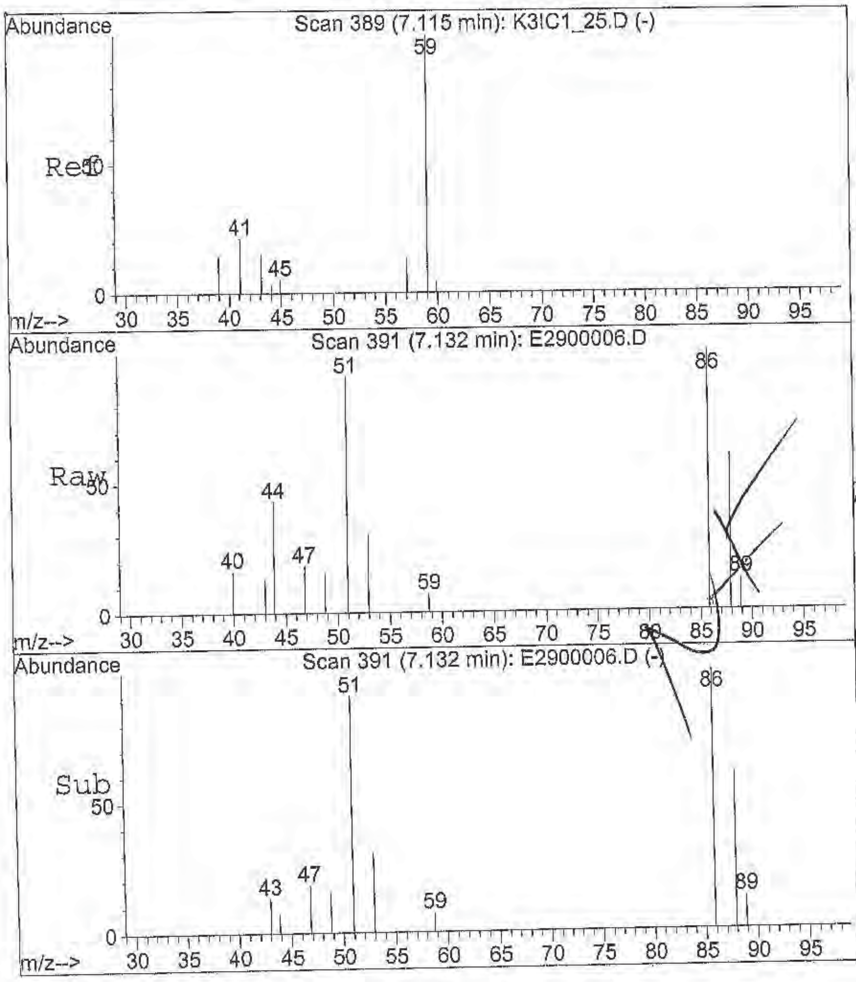




#14
Methylene Chloride
Concen: 1.30 ug/L
RT: 7.06 min Scan# 382
Delta R.T. -0.03 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 84	Resp:		5429
Ion	Ratio	Lower	Upper
84	100		
49	997.3	89.8	134.6#
86	7209.5	51.1	76.7#
51	8336.6	28.5	42.7#

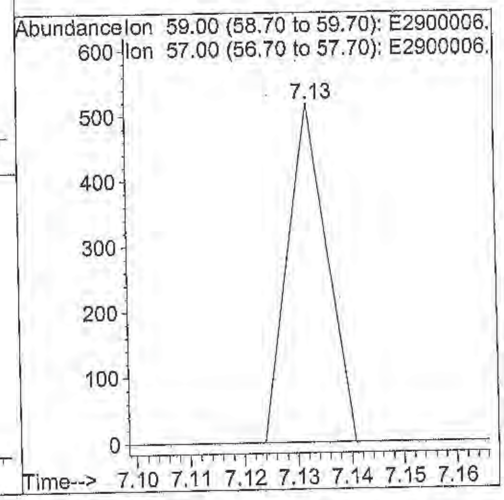


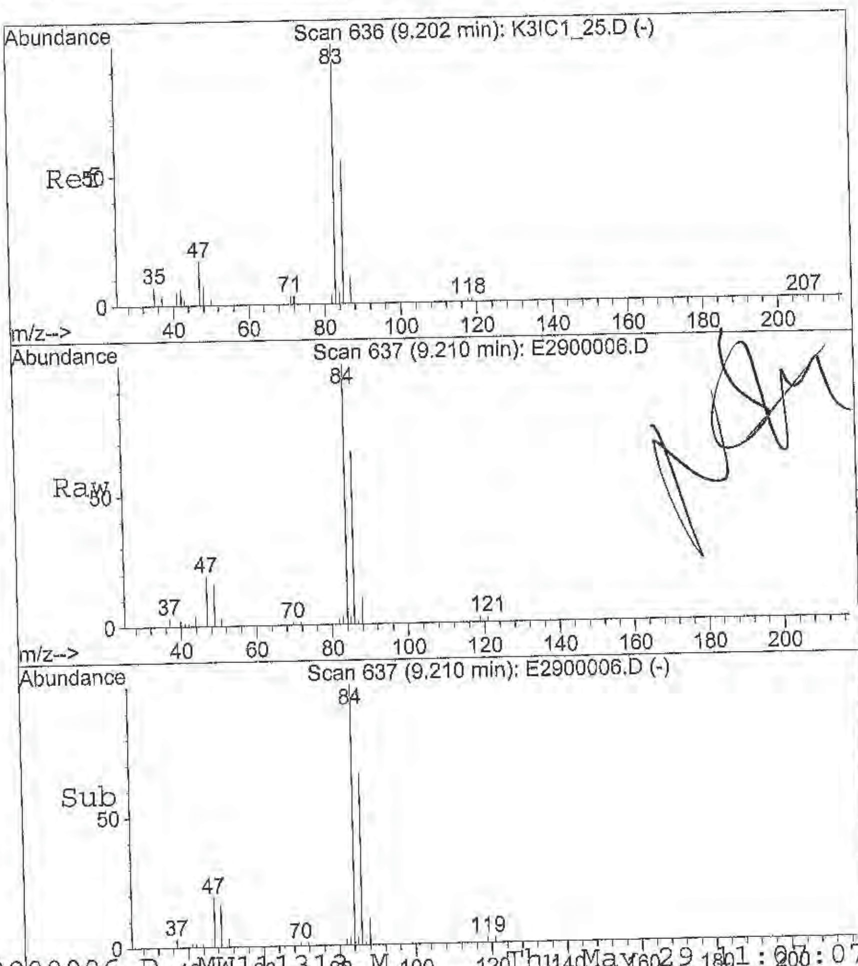


#15
(TBA) tert-Butanol
Concen: 1.01 ug/L
RT: 7.13 min Scan# 391
Delta R.T. 0.02 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 59 Resp: 262

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

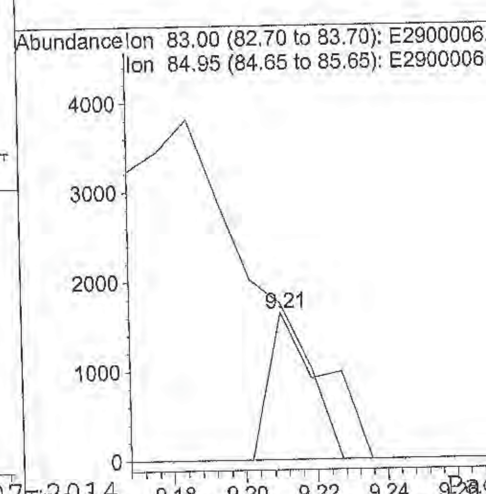


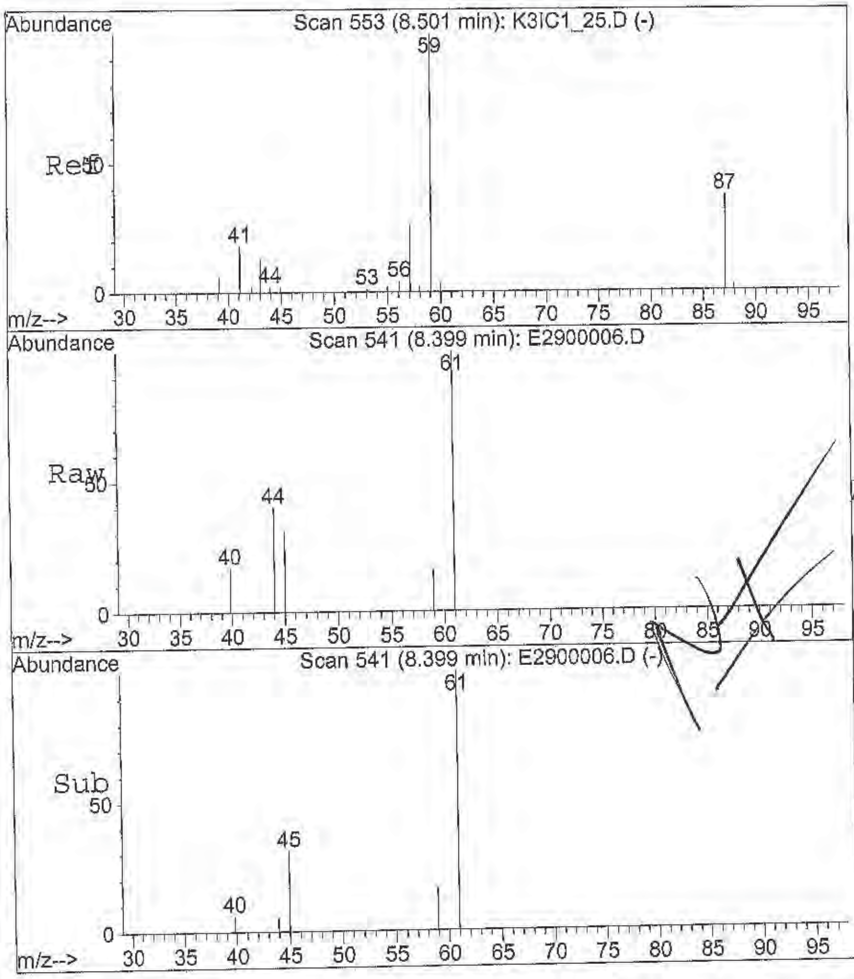


#24
Chloroform
Concen: 0.22 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 83 Resp: 1790

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

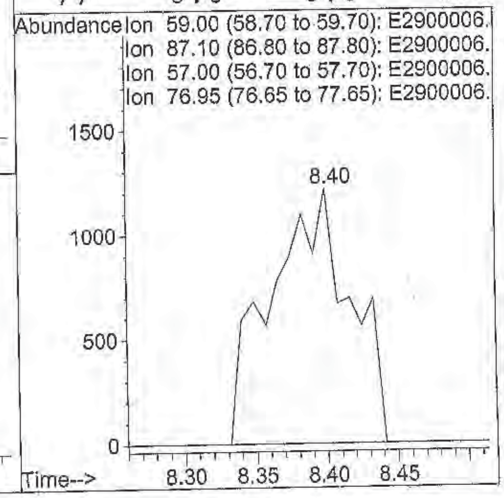


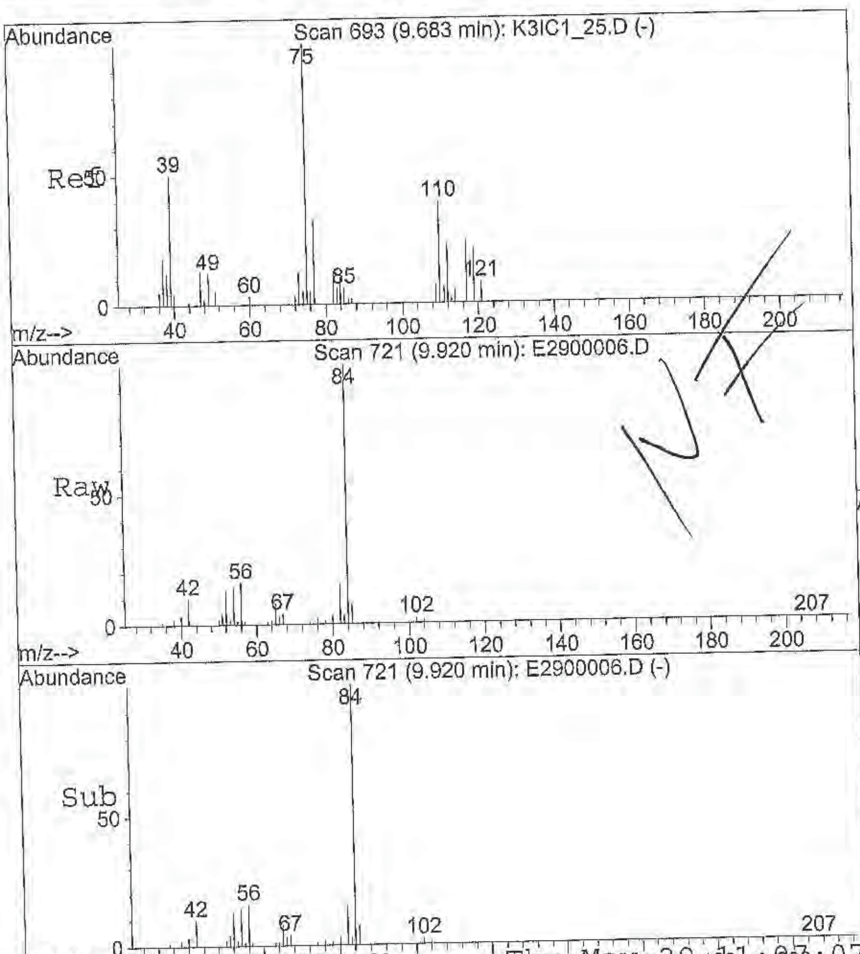


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.43 ug/L
RT: 8.40 min   Scan# 541
Delta R.T.   -0.10 min
Lab File: E2900006.D
Acq: 29 May 2014   10:44 am

Tgt Ion: 59 Resp: 4743

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

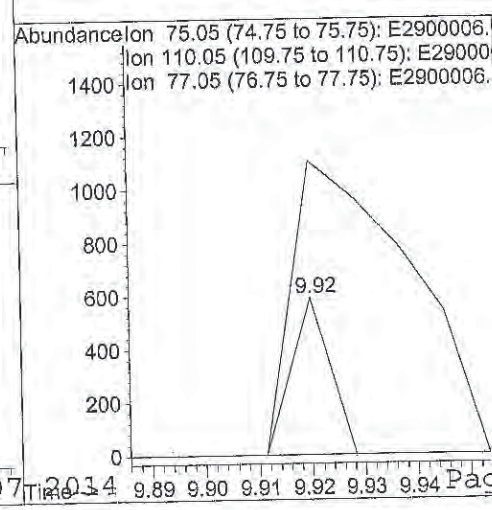


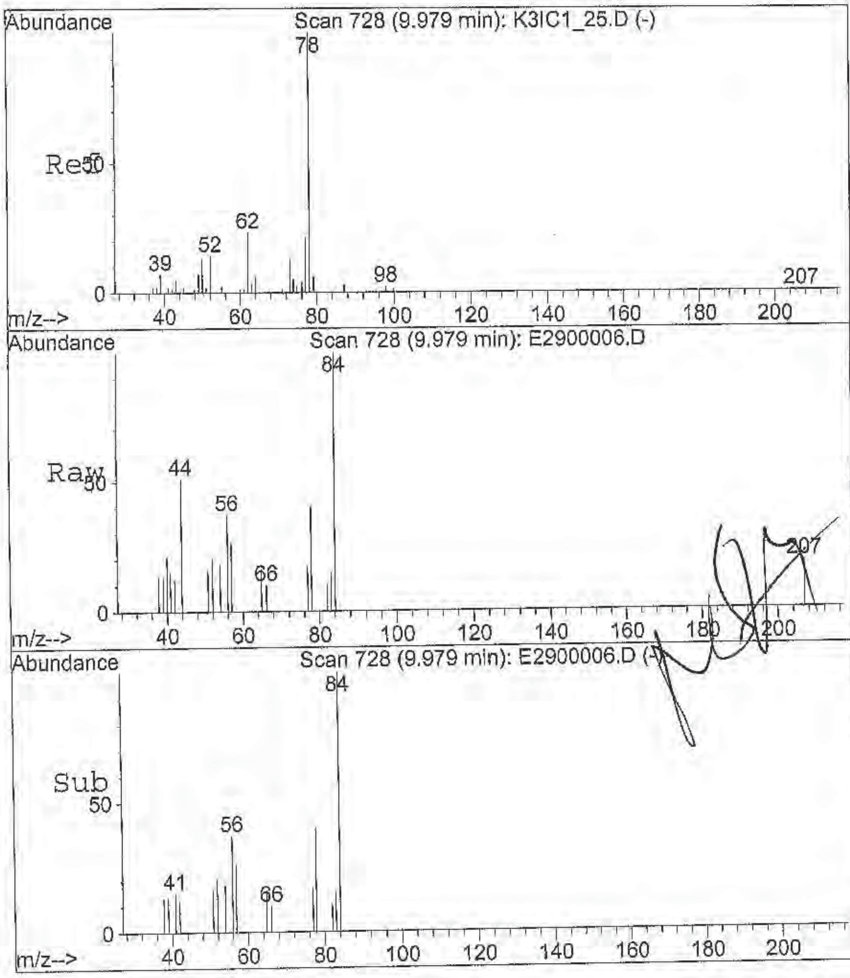


#29
1,1-Dichloropropene
Concen: 0.05 ug/L
RT: 9.92 min   Scan# 721
Delta R.T.   0.24 min
Lab File: E2900006.D
Acq: 29 May 2014   10:44 am

Tgt Ion: 75 Resp: 299

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	574.6	25.0	37.4#

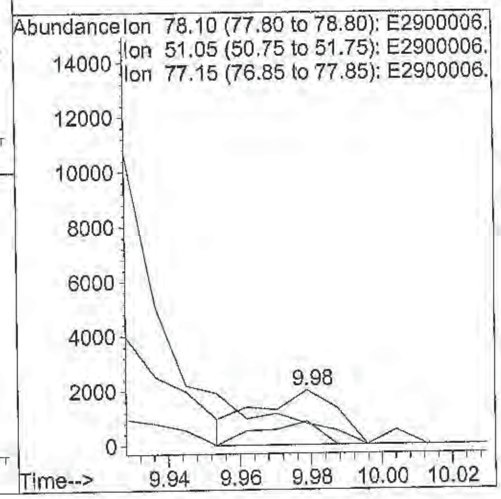


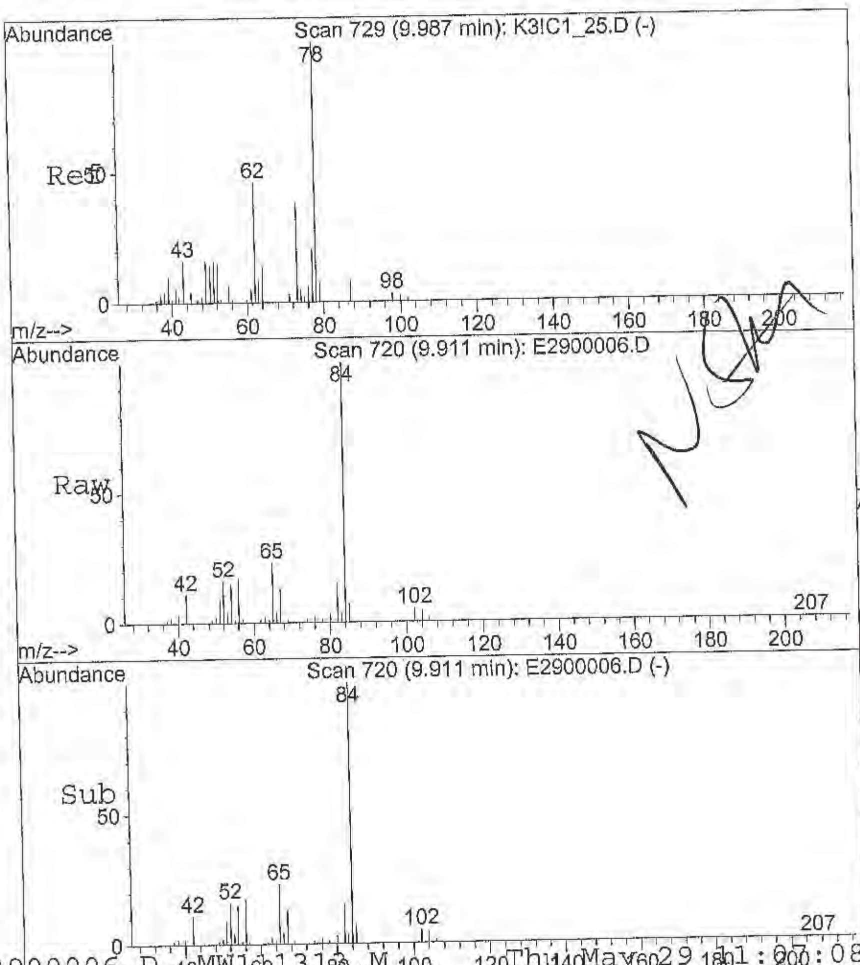


#31
Benzene
Concen: 0.21 ug/L
RT: 9.98 min Scan# 728
Delta R.T. 0.00 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 78 Resp: 3027

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	32.1	16.6	24.8#

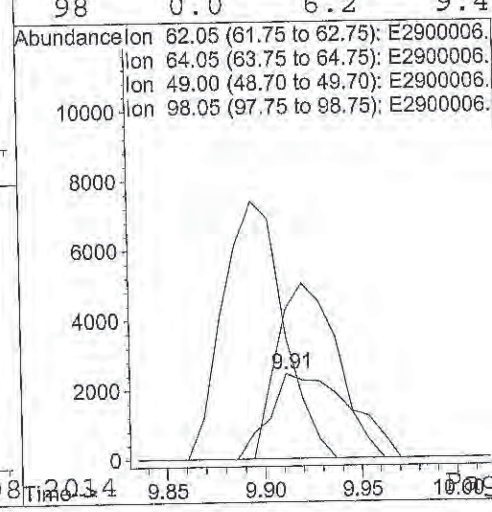


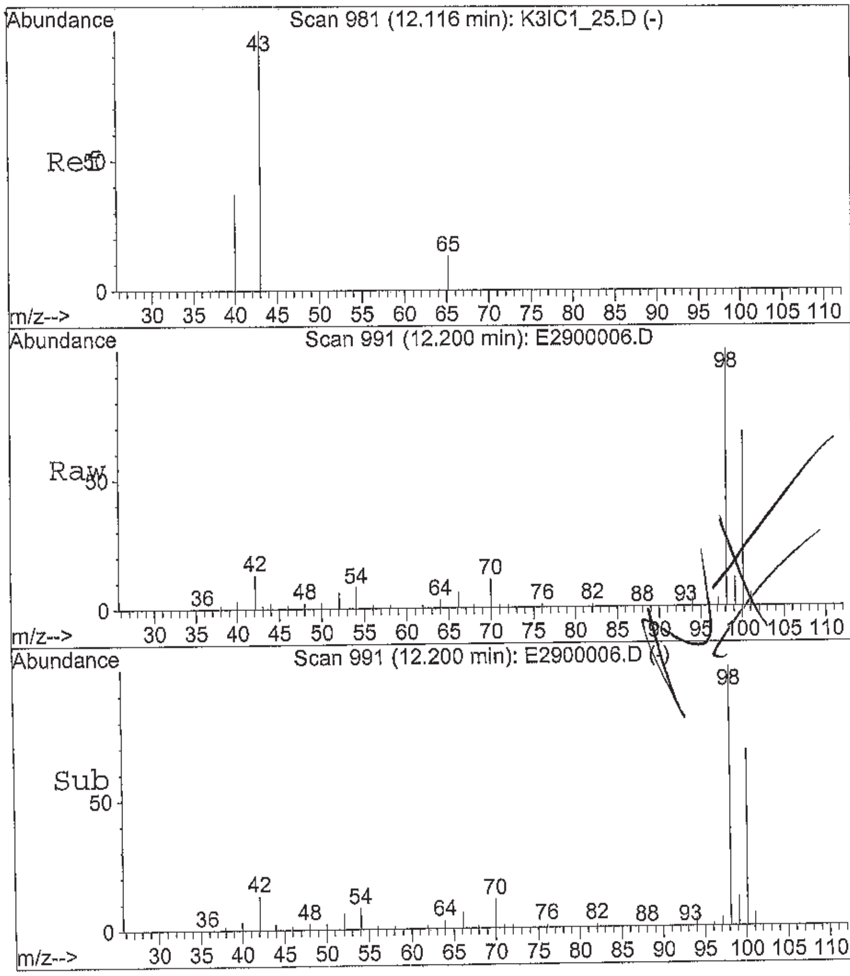


#32
1,2-Dichloroethane
Concen: 1.26 ug/L
RT: 9.91 min Scan# 720
Delta R.T. -0.08 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 62 Resp: 6402

Ion	Ratio	Lower	Upper
62	100		
64	180.2	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

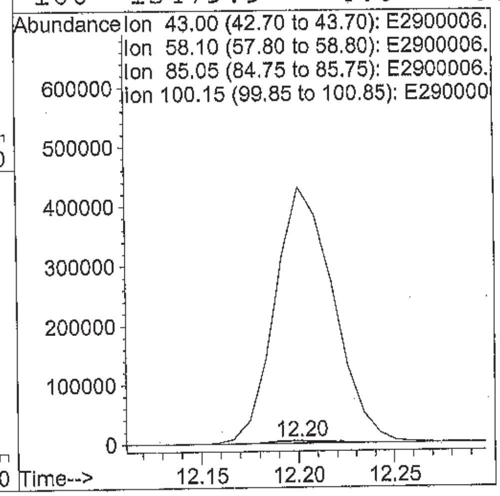


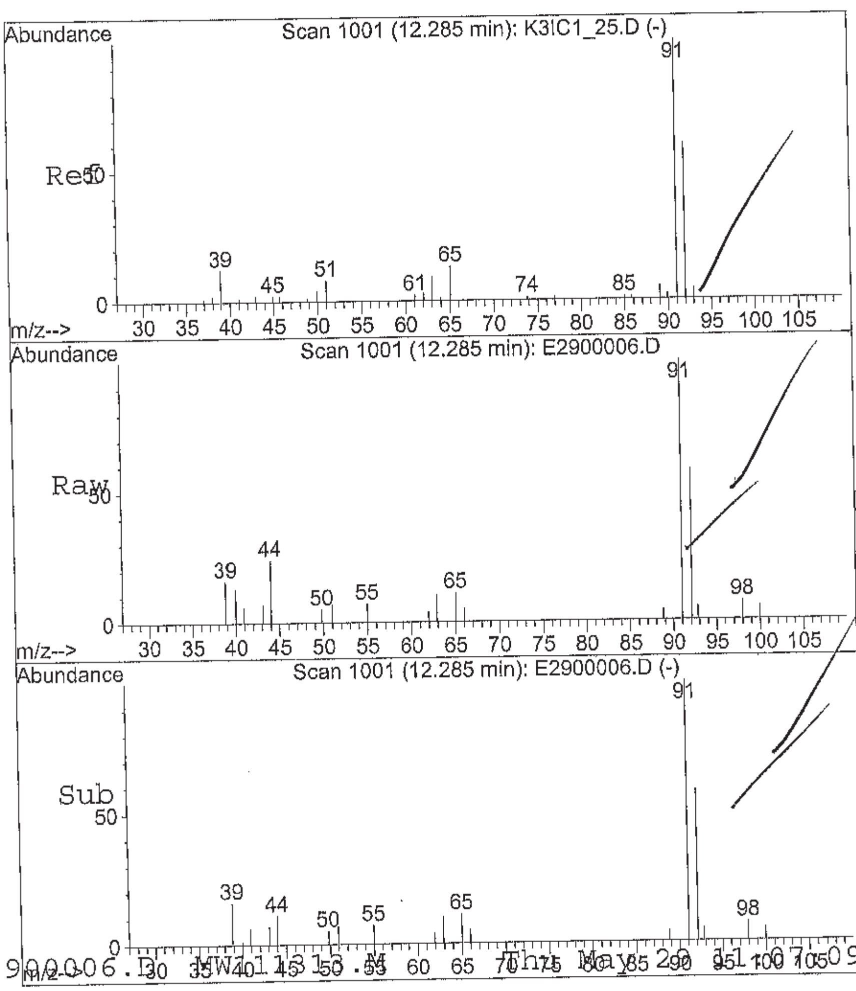


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.78 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 43 Resp: 6777

Ion	Ratio	Lower	Upper
43	100		
58	150.2	0.0	0.0#
85	0.0	0.0	0.0
100	13479.9	0.0	0.0#

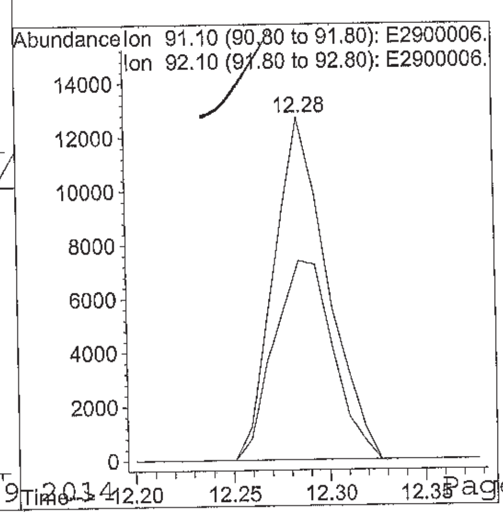


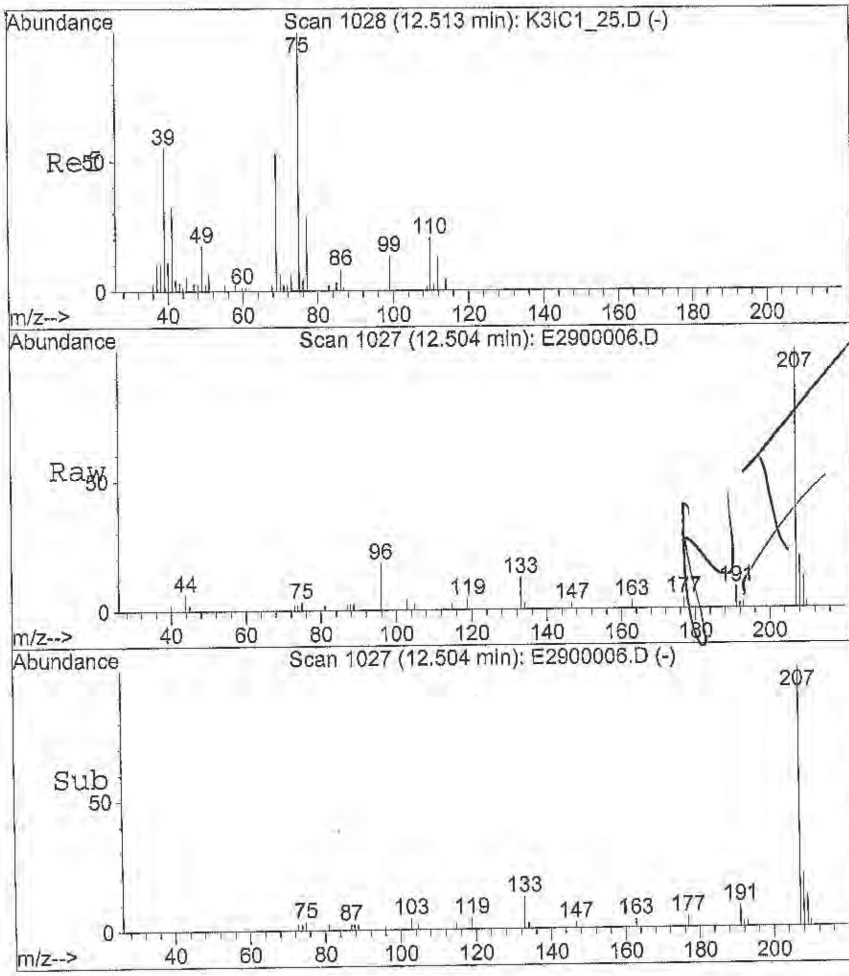


#41
Toluene
Concen: 1.48 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. 0.00 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 91 Resp: 24544

Ion	Ratio	Lower	Upper
91	100		
92	64.1	47.4	71.0

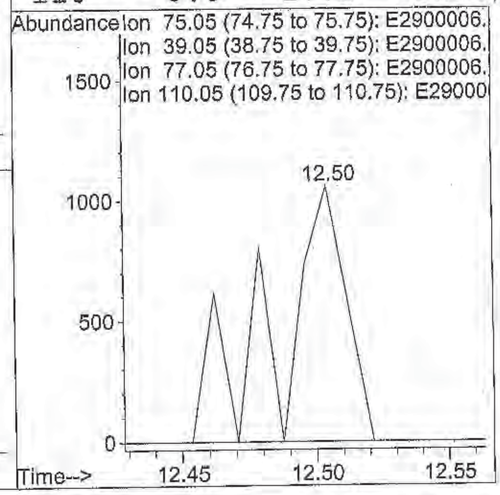


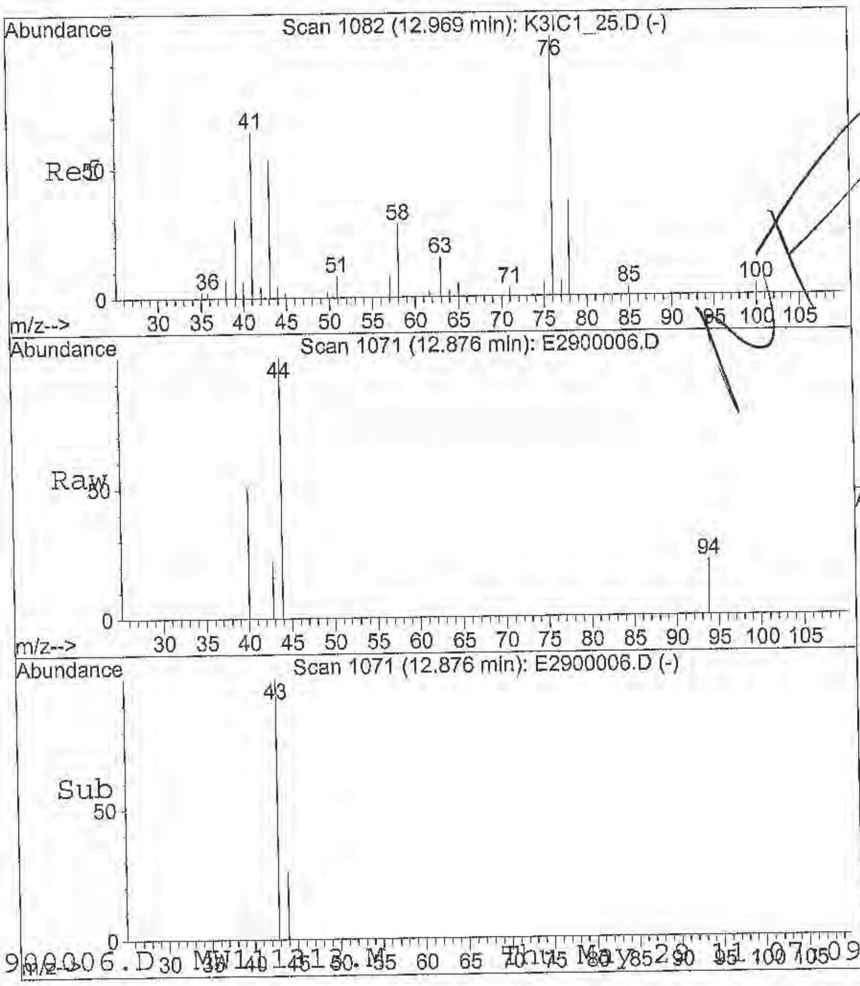


#42
trans-1,3-Dichloropropene
Concen: 0.29 ug/L
RT: 12.50 min Scan# 1027
Delta R.T. -0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 75 Resp: 1576

Ion	Ratio	Lower	Upper
75	100		
39	0.0	53.6	80.4#
77	0.0	25.4	38.2#
110	0.0	17.6	26.4#

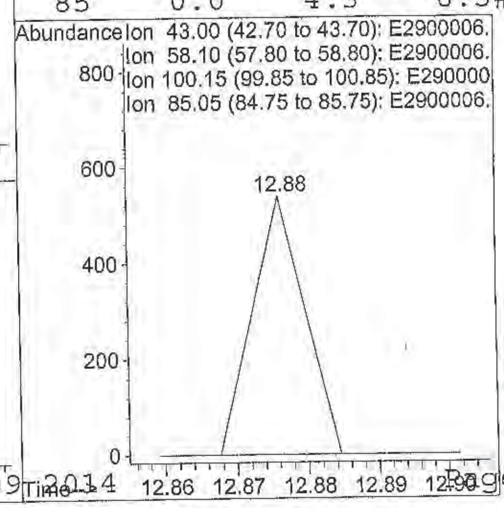


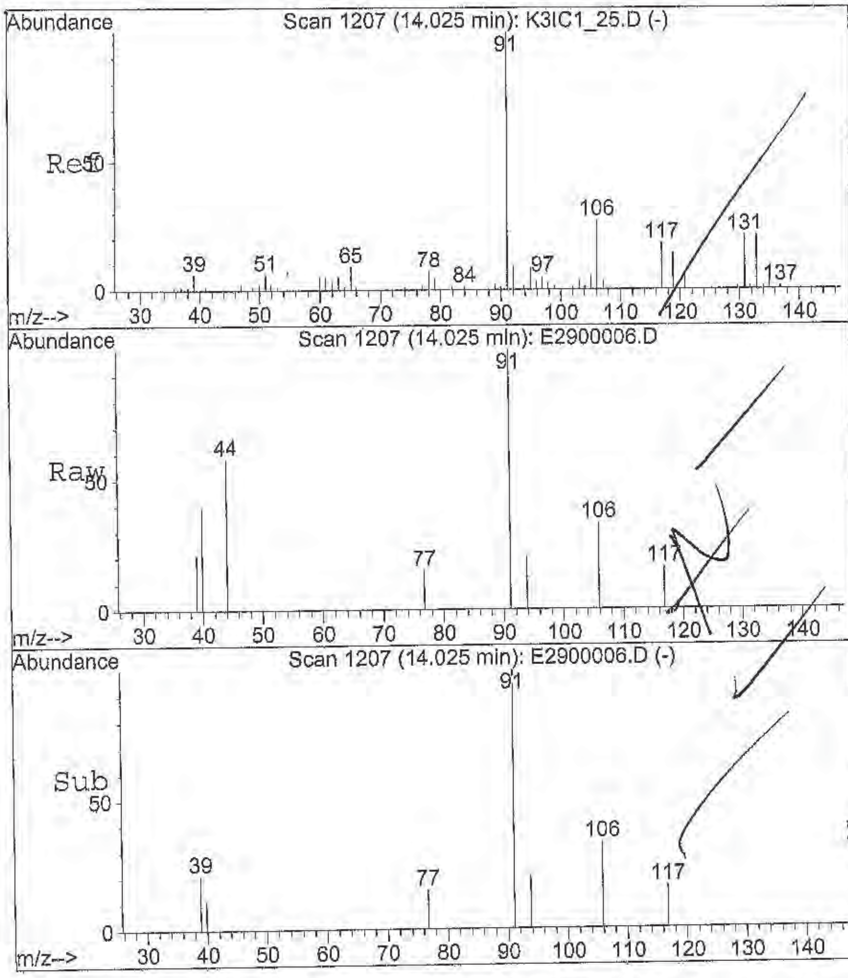


#46
2-Hexanone
Concen: 0.10 ug/L
RT: 12.88 min Scan# 1071
Delta R.T. -0.09 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 43 Resp: 273

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

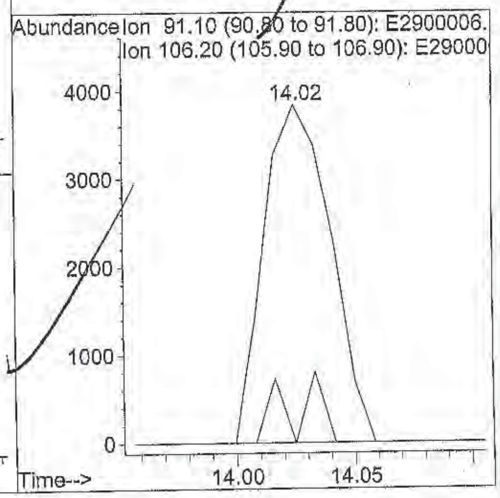


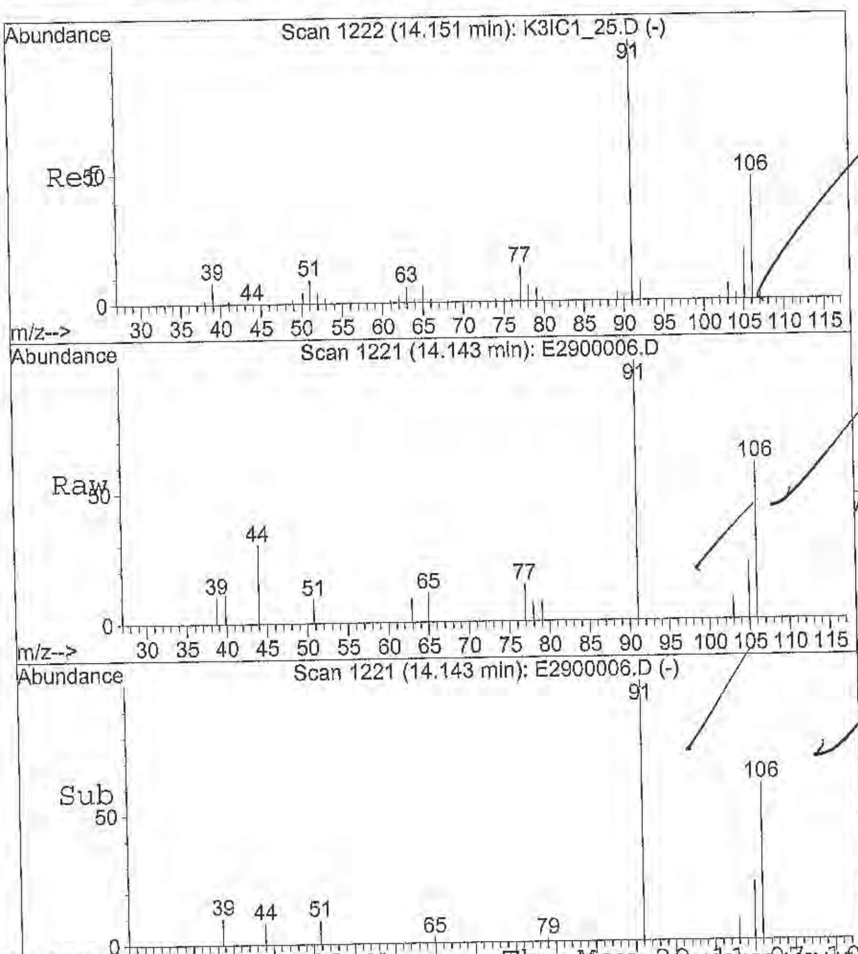


#51
Ethylbenzene
Concen: 0.40 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. 0.00 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 91 Resp: 7514

Ion	Ratio	Lower	Upper
91	100		
106	10.3	23.5	35.3#

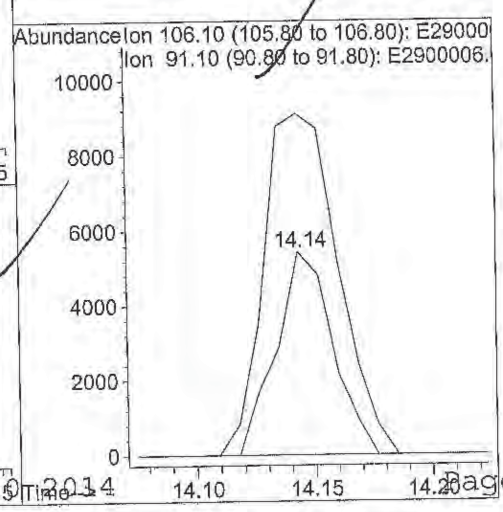


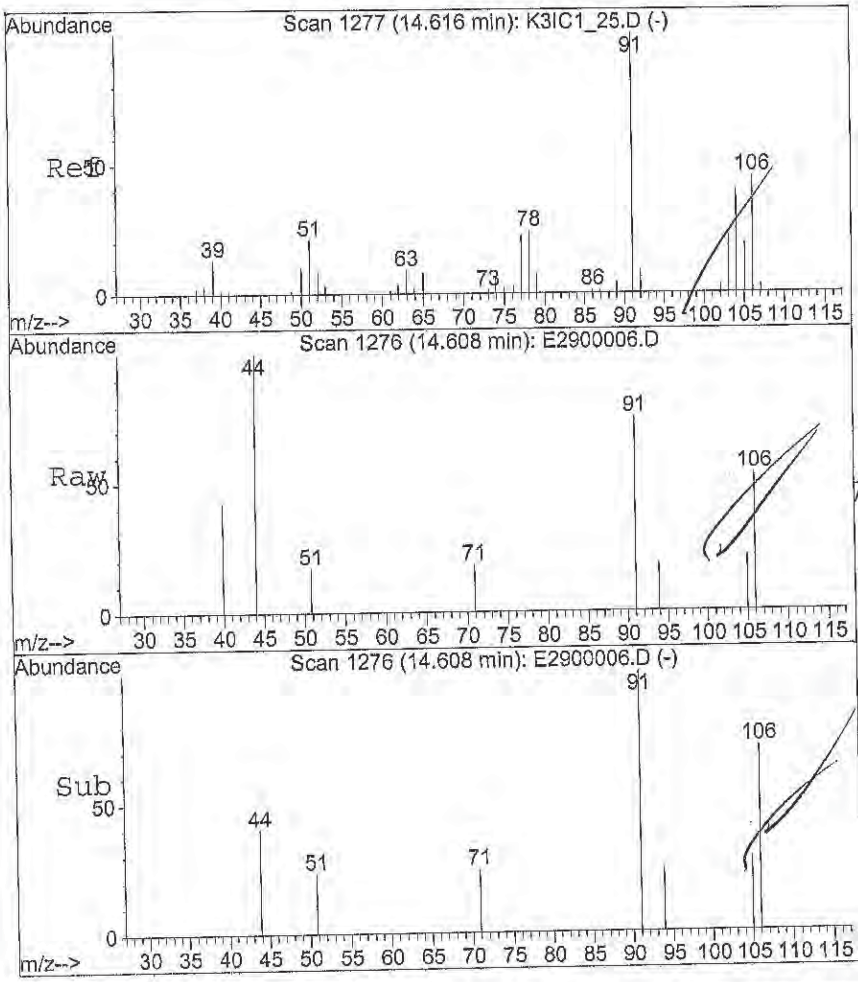


#52
m,p-Xylenes
Concen: 1.34 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:106 Resp: 9032

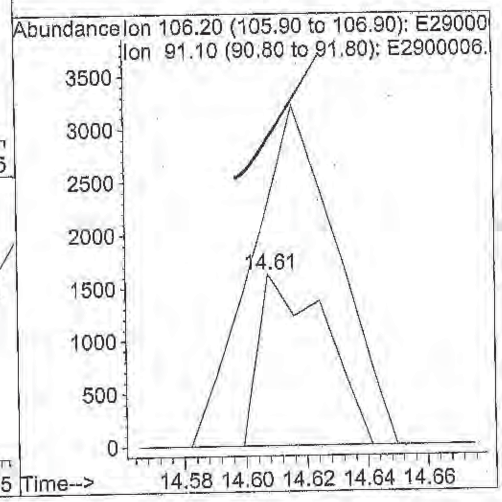
Ion	Ratio	Lower	Upper
106	100		
91	219.8	177.1	265.7

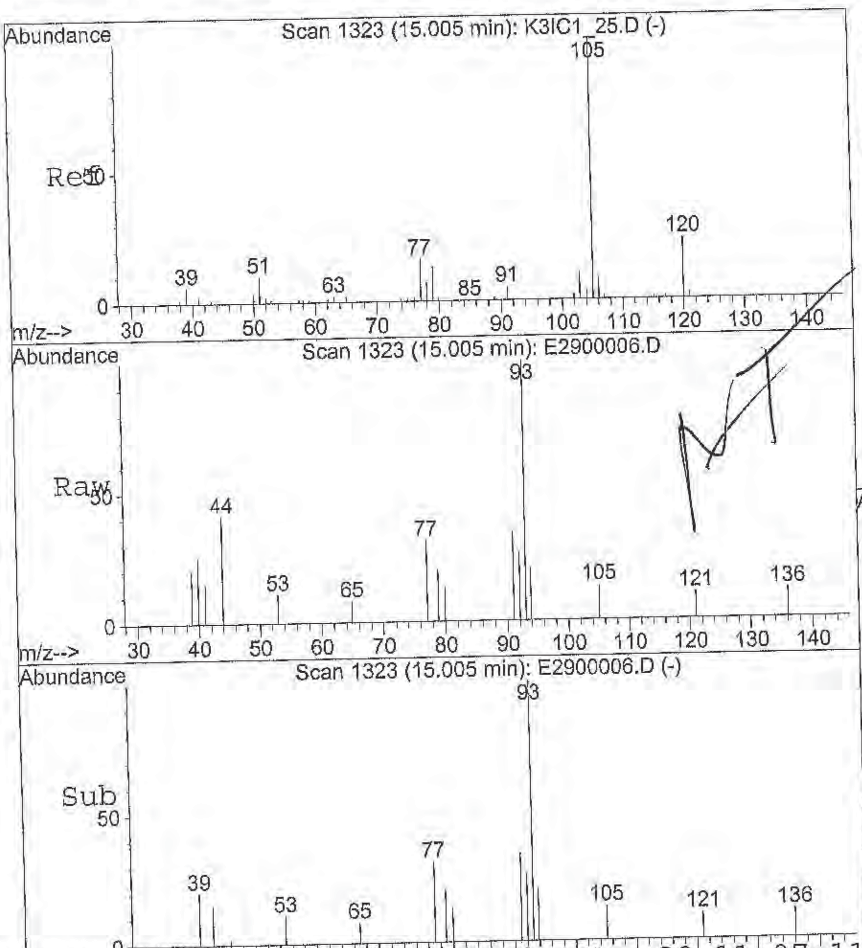




#53
o-Xylene
Concen: 0.37 ug/L
RT: 14.61 min Scan# 1276
Delta R.T. -0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

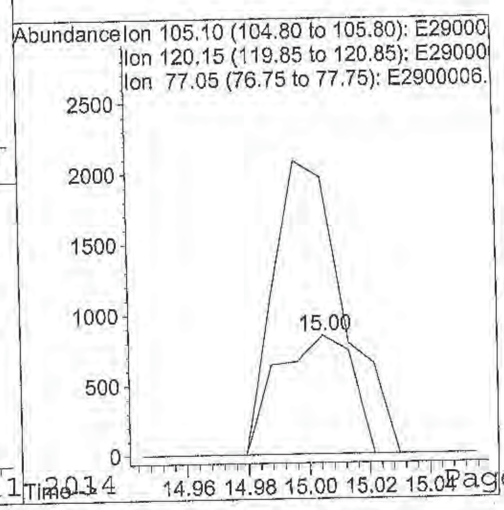
Tgt	Ion:106	Resp:	2464
Ion	Ratio	Lower	Upper
106	100		
91	255.9	179.0	268.6

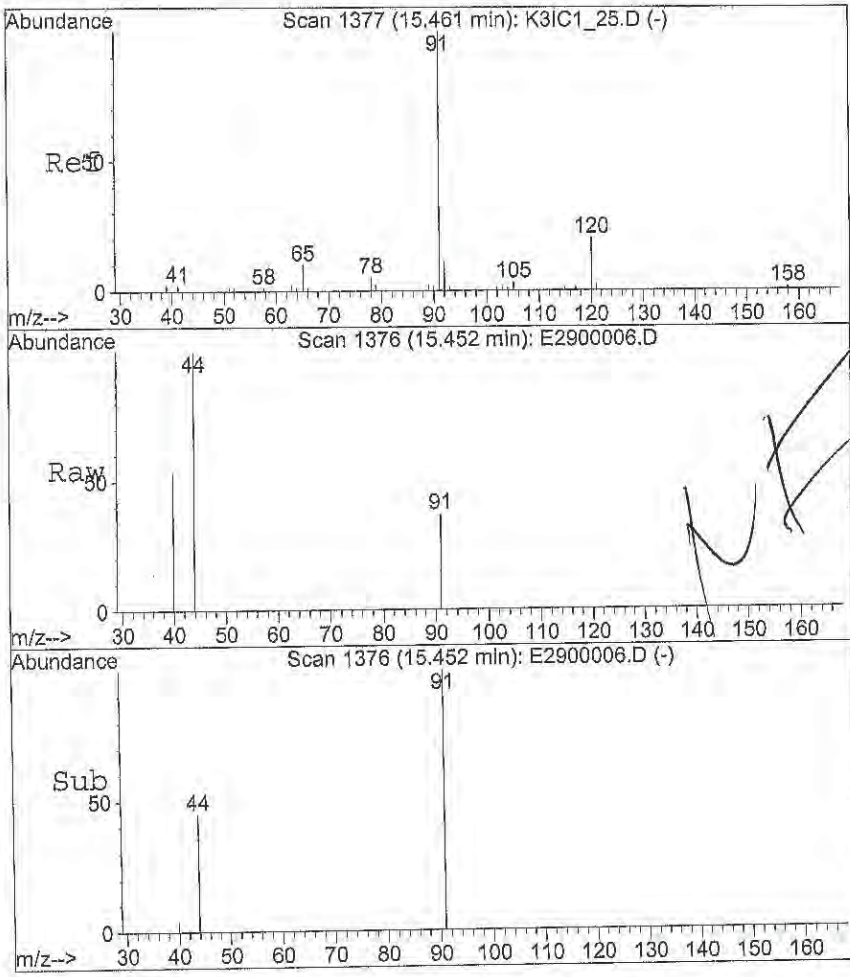




#56
Isopropylbenzene
Concen: 0.08 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. 0.00 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt	Ion:105	Resp:	1459
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	229.4	13.1	19.7#

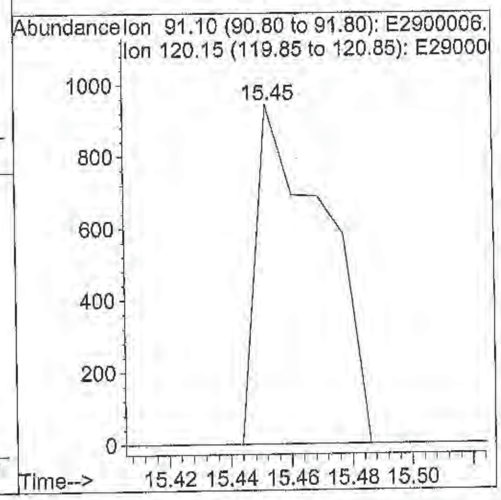


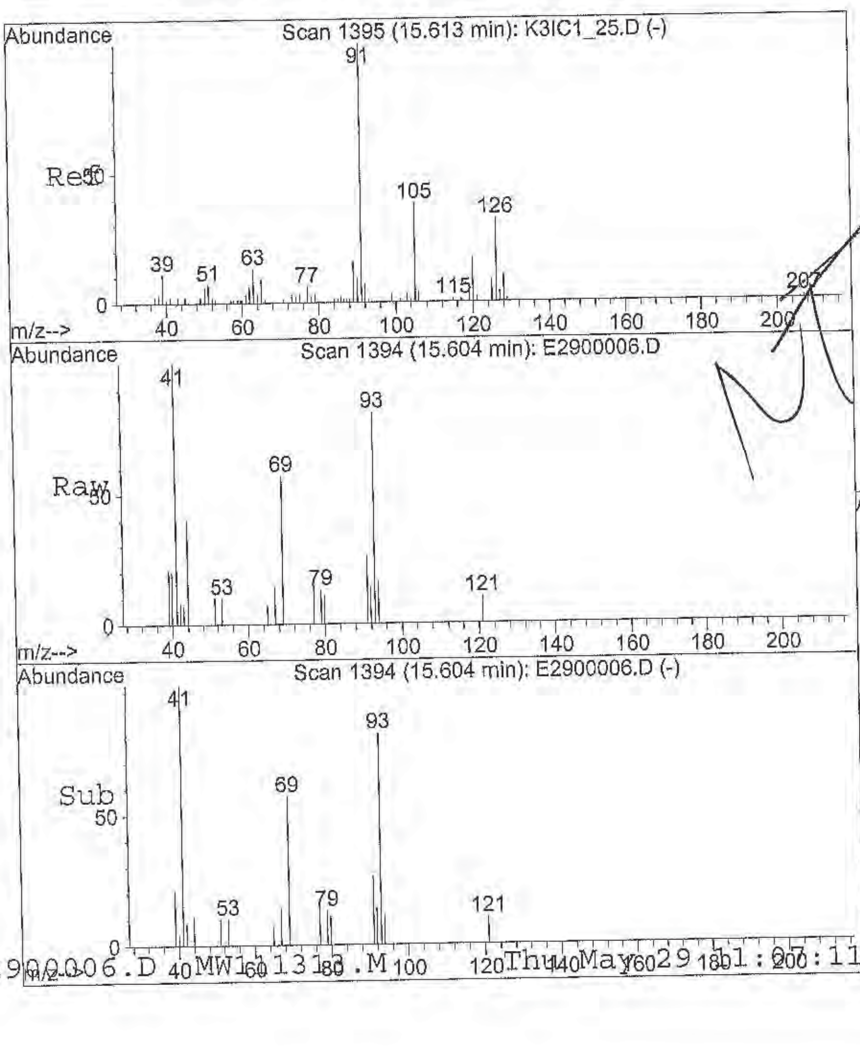


#62
n-Propylbenzene
Concen: 0.05 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 91 Resp: 1471

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

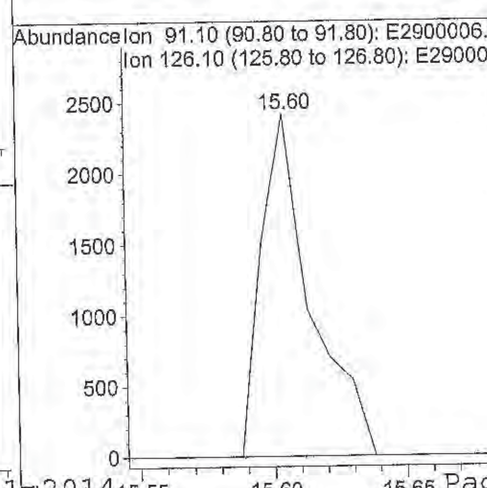


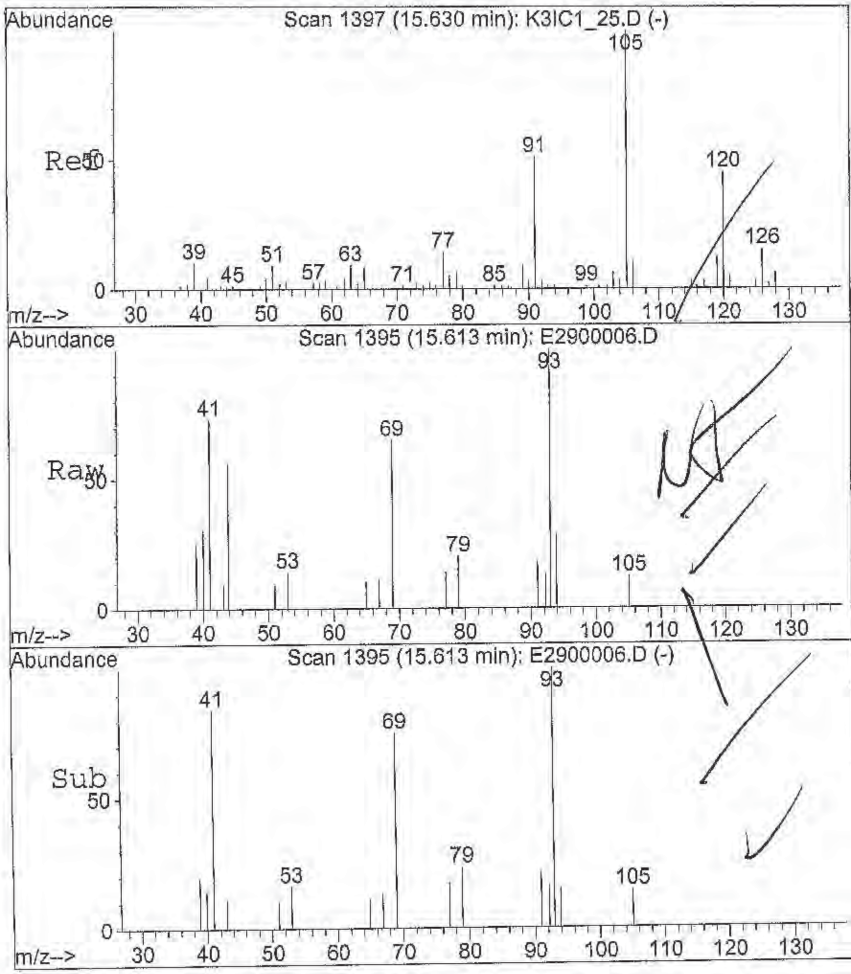


#63
2-Chlorotoluene
Concen: 0.19 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 91 Resp: 3150

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

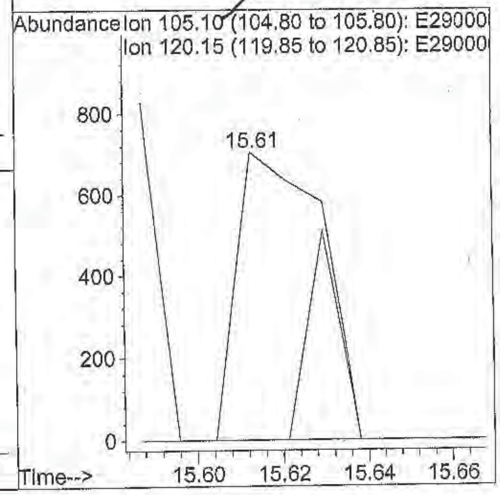


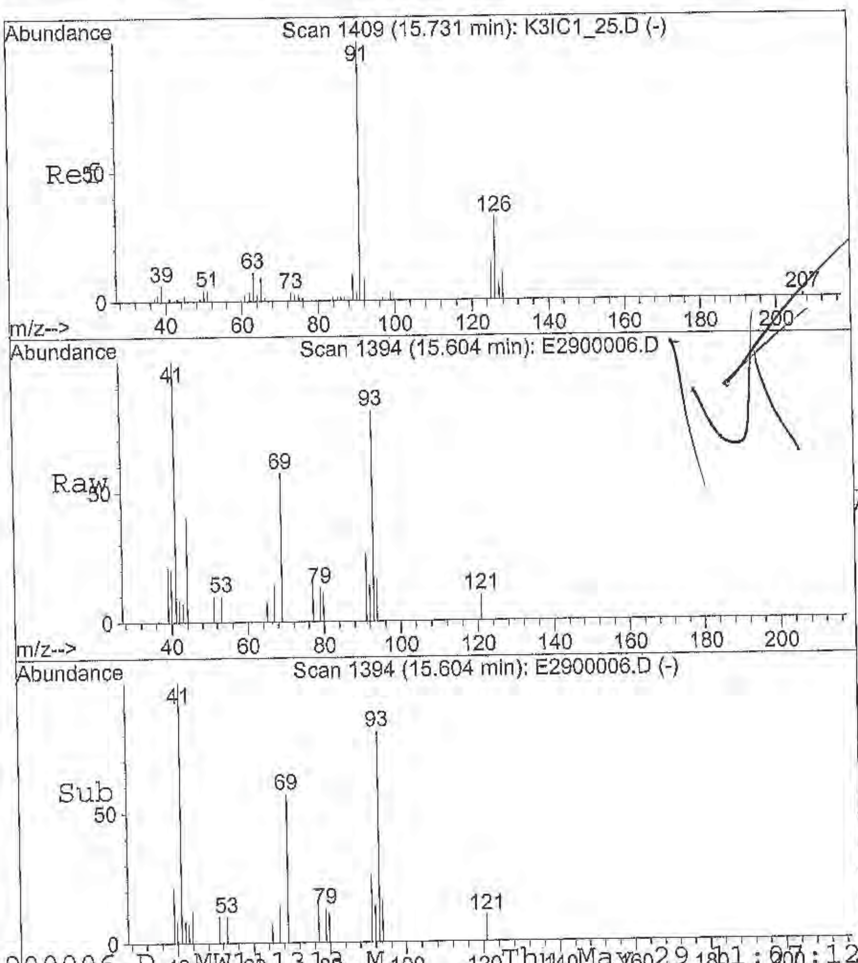


#64
1,3,5-Trimethylbenzene
Concen: 0.06 ug/L
RT: 15.61 min Scan# 1395
Delta R.T. -0.02 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:105 Resp: 972

Ion	Ratio	Lower	Upper
105	100		
120	26.6	36.4	54.6#

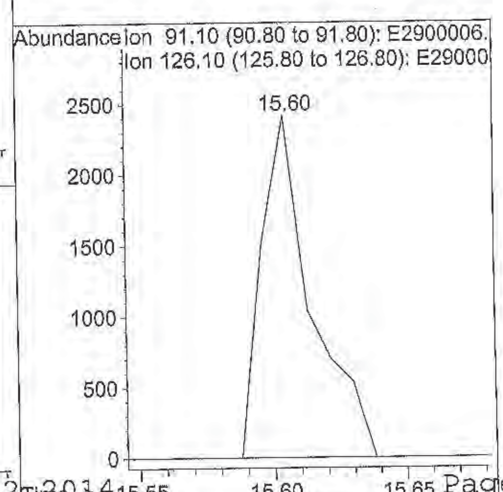


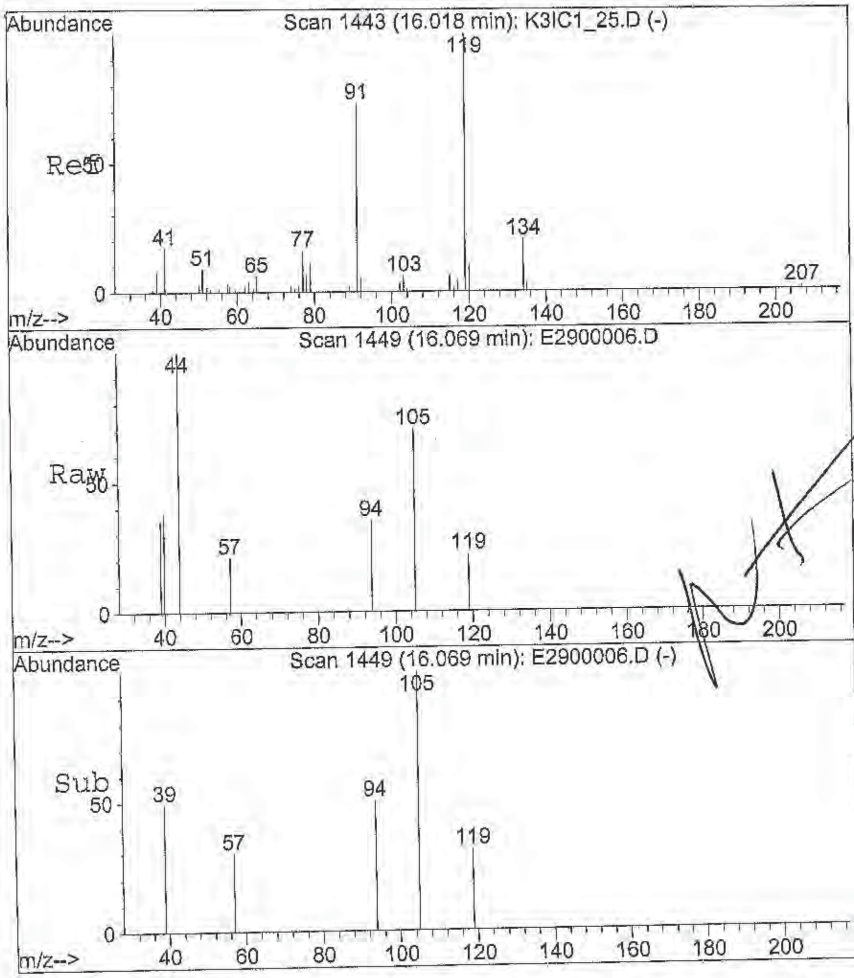


#65
4-Chlorotoluene
Concen: 0.20 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.13 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 91 Resp: 3150

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

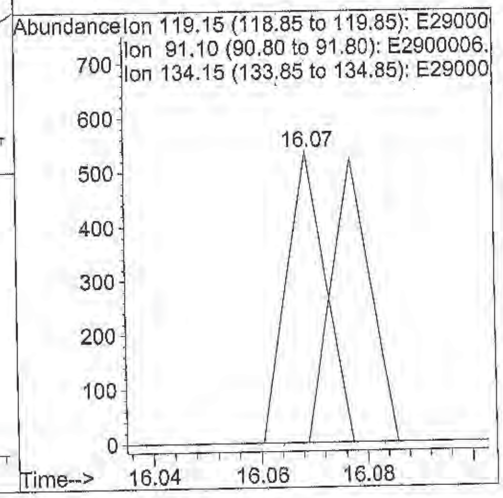


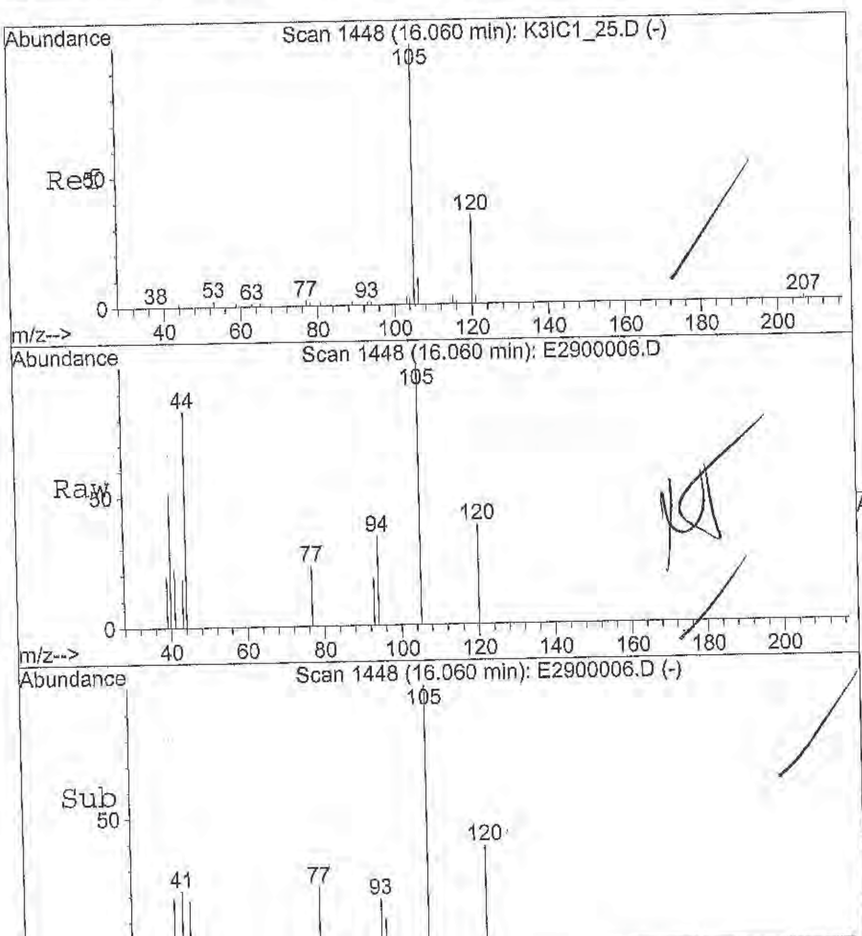


#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.07 min Scan# 1449
Delta R.T. 0.05 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:119 Resp: 272

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

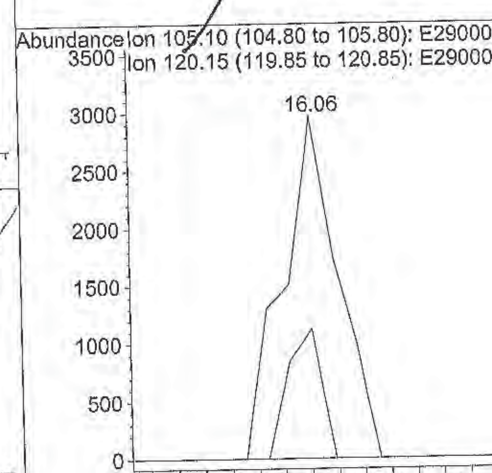


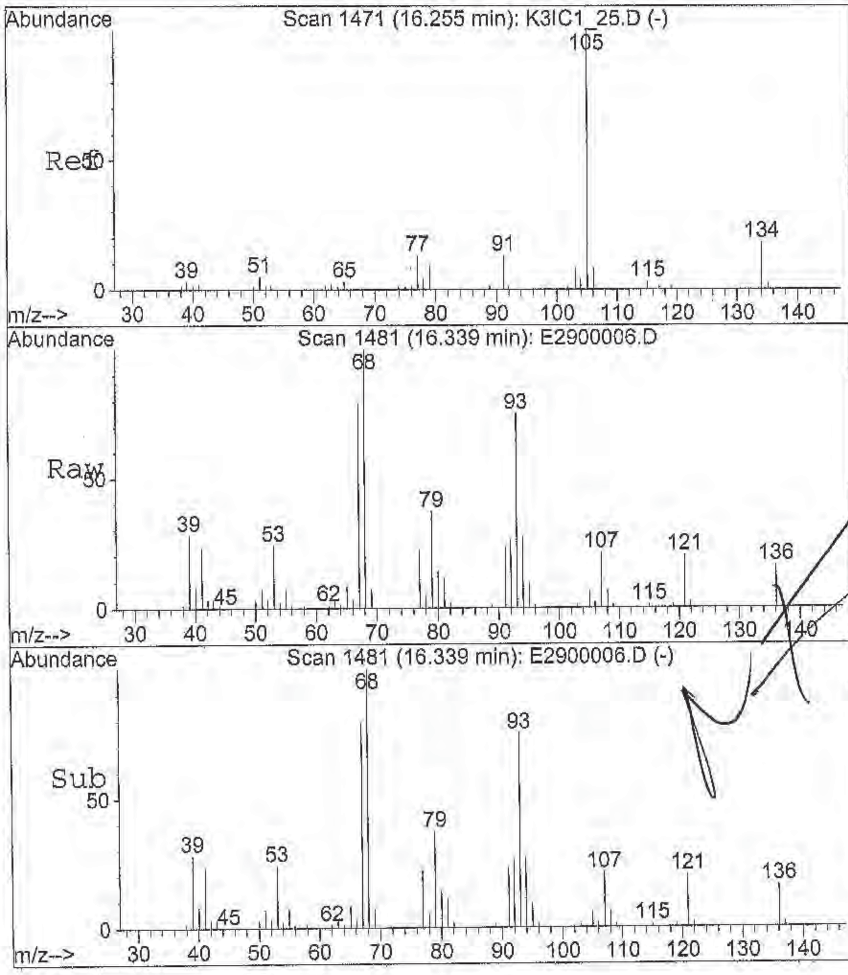


#67
1,2,4-Trimethylbenzene
Concen: 0.24 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. 0.00 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:105 Resp: 4296

Ion	Ratio	Lower	Upper
105	100		
120	23.2	33.8	50.8#

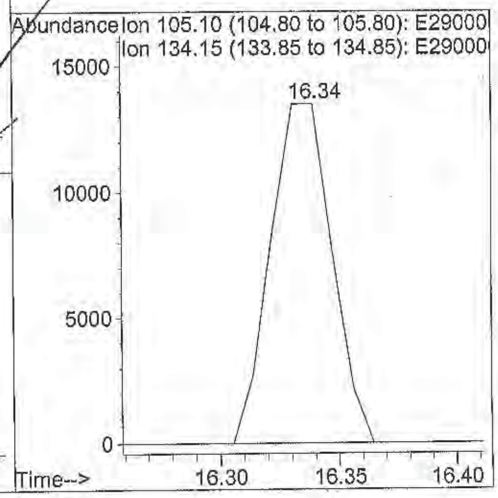


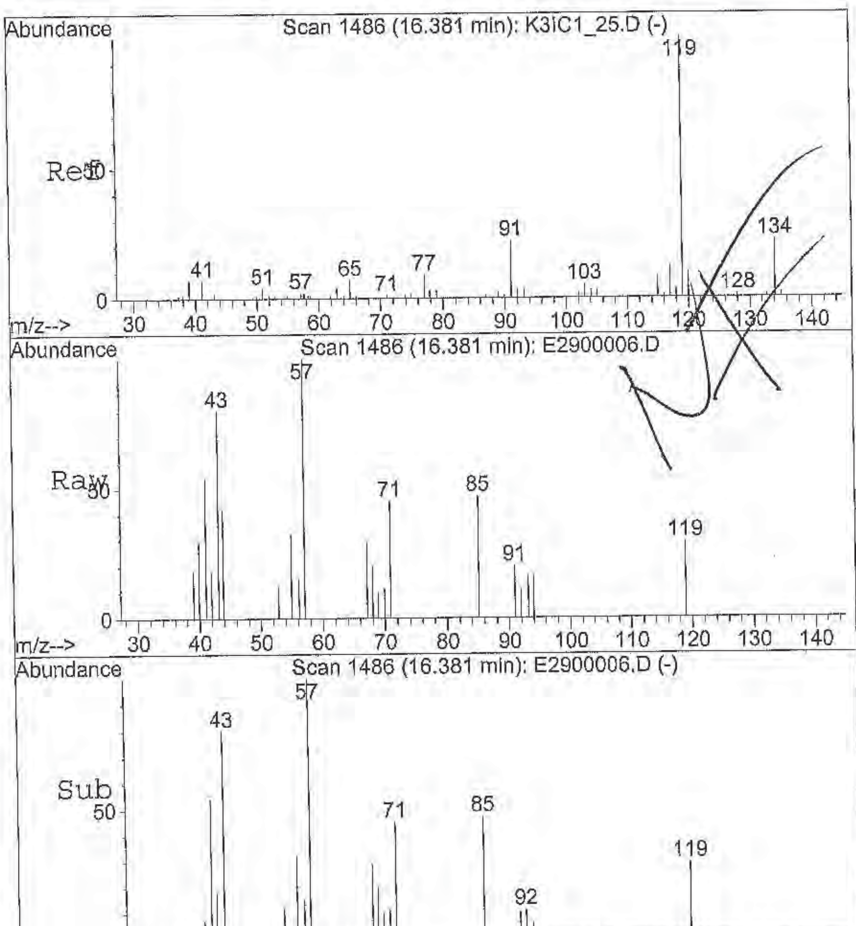


#68
sec-Butylbenzene
Concen: 1.06 ug/L
RT: 16.34 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:105 Resp: 24166

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

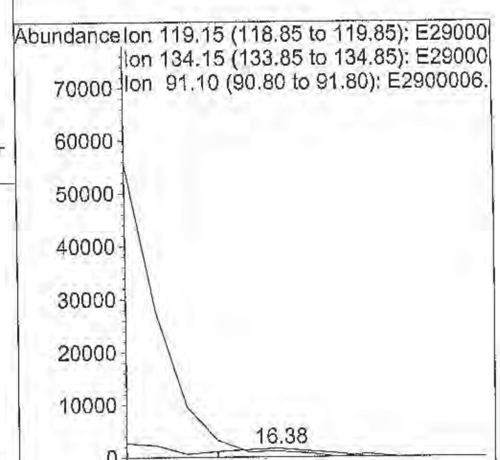


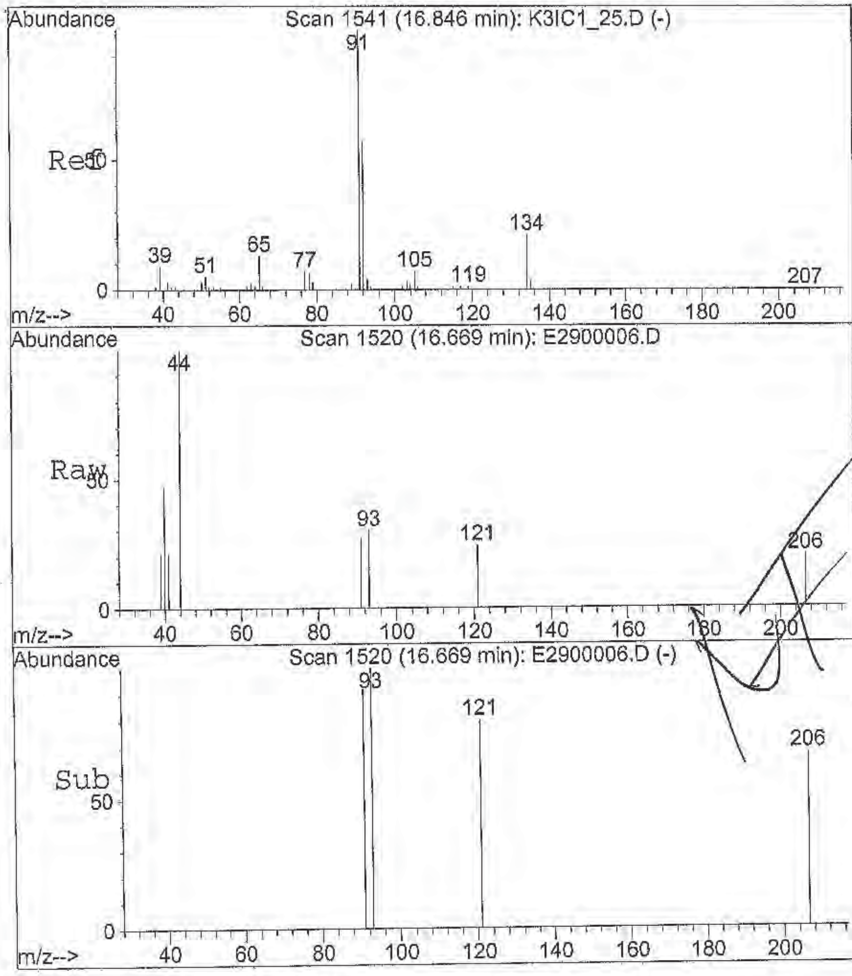


#69
p-Isopropyltoluene
Concen: 0.13 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. 0.00 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion:119 Resp: 2404

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

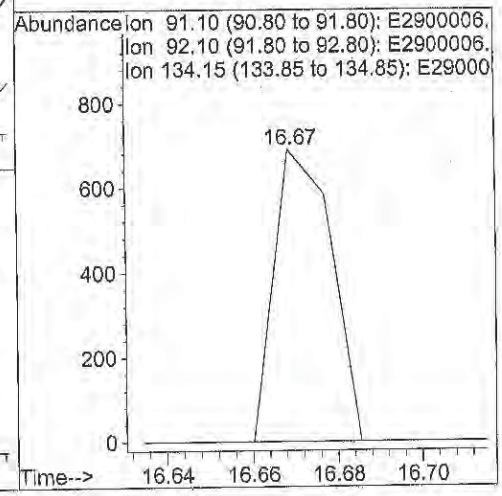




#72
n-Butylbenzene
Concen: 0.03 ug/L
RT: 16.67 min   Scan# 1520
Delta R.T.   -0.18 min
Lab File: E2900006.D
Acq: 29 May 2014 10:44 am

Tgt Ion: 91 Resp: 646

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#



```
Data File : C:\HPCHEM\1\DATA\052914L3\E2900006.D          Vial: 5
Acq On    : 29 May 2014  10:44 am                      Operator: DN
Sample    : 3E42901-05                                 Inst    : GC/MS Ins
Misc      : 100cc  SVL-519-SA5D-SV-8.9-9.5             Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:08 19114               Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B   GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

```
Internal Standards                      R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
  1) Fluorobenzene (IS)                10.29   96  1523502    12.50 ug/L   -0.02
  7) Chlorobenzene-d5 (IS)             13.91  117  1220492    12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS        16.51  152   678647    12.50 ug/L    0.00

System Monitoring Compounds
  2) Dibromofluoromethane (SU1)         9.43  113   441774    11.15 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   89.20%
  3) Chloroform-d (SU6)                 9.18   84   681544    11.99 ug/L    0.00
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   95.92%
  4) Methylene Chloride-d2 (SU5         7.06   86   390836    11.76 ug/L    0.01
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   94.08%
  5) 1,2-Dichloroethane-d4 (SU2         9.89   65   431270    15.93 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  127.44%#
  6) Benzene-d6 (SU7)                   9.92   84  1375471    11.51 ug/L   -0.03
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   92.08%
  8) Toluene-d8 (SU3)                  12.20   98  1332969    11.51 ug/L    0.02
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   92.08%
  9) 4-Bromofluorobenzene (SU4)        15.22   95   690525    14.45 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  115.60%

Target Compounds                                                       Qvalue
```

```
-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

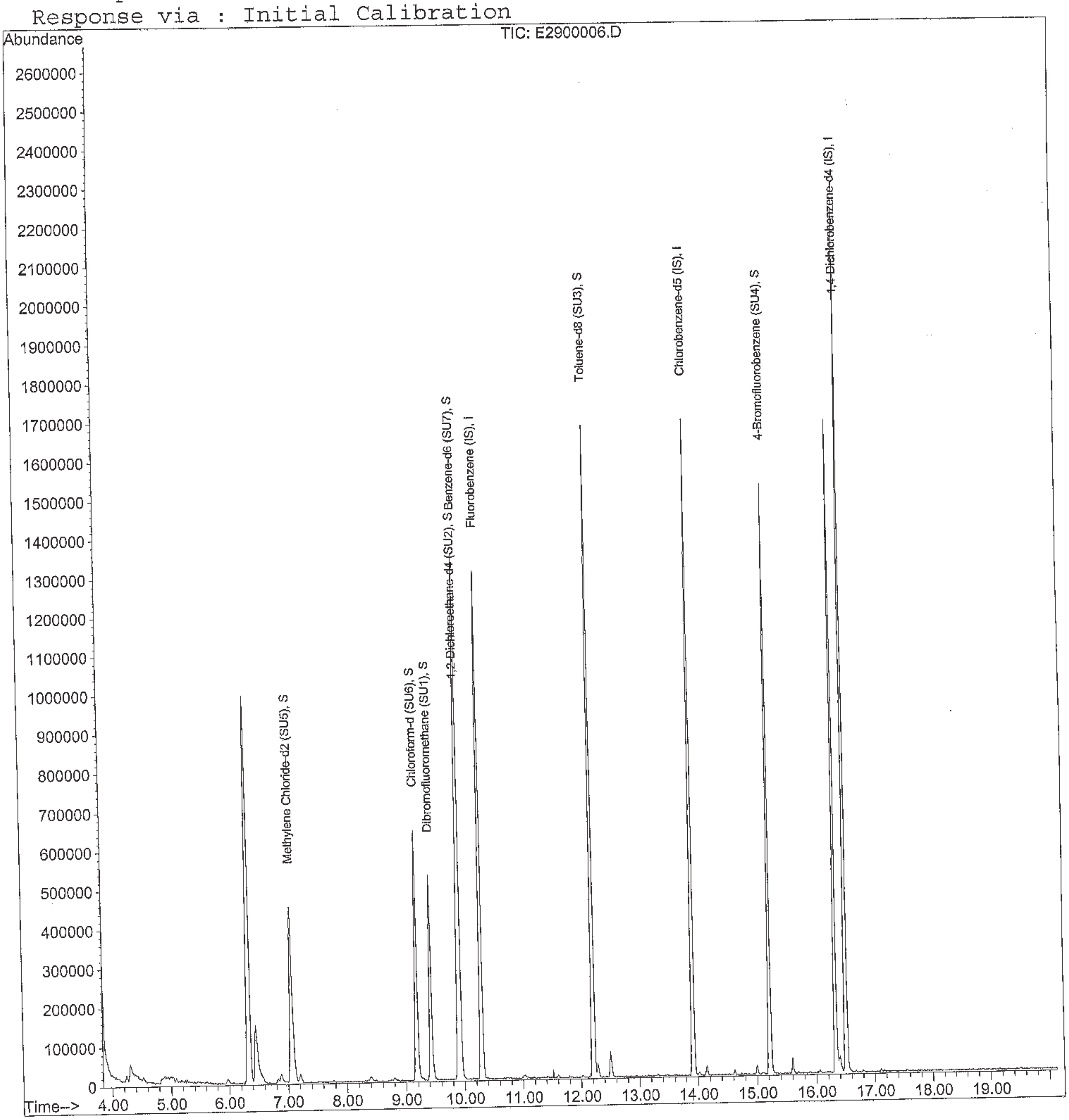
Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900006.D
Acq On : 29 May 2014 10:44 am
Sample : 3E42901-05
Misc : 100cc SVL-519-SA5D-SV-8.9-9.5
MS Integration Params: rteint.p
Quant Time: May 29 11:08 19114

Vial: 5
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900007.D
Acq On : 29 May 2014 11:13 am
Sample : 3E42901-06
Misc : 100cc SVL-526-SA5D-SV-7.5-8.5
MS Integration Params: rteint.p
Quant Time: May 29 11:51 19114

Vial: 6
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1551642	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1248508	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	679192	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	437808	11.31	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	90.48%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	431713	11.74	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	93.92%	
39) Toluene-d8 (SU3)	12.20	98	1362829	11.70	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	93.60%	
58) 4-Bromofluorobenzene (SU4)	15.23	95	709659	13.90	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	111.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	531	0.14	~~ug/L~~ # NSM	44
4) Chloromethane	4.39	50	4670	0.57	~~ug/L~~ #	52
6) Bromomethane	5.08	96	280	-1.61	~~ug/L~~ #	1
7) Chloroethane	5.14	64	799	1.31	~~ug/L~~	93
9) (F113) 1,1,2-Trichloro-tri	6.34	151	293	0.10	~~ug/L~~ #	19
11) Acetone	6.47	58	3064	178.65	~~ug/L~~ NT	66
12) (IPA) Leak Check Compound	6.46	45	292755	1570.13	~~ug/L~~ # NSM	82
13) Carbon disulfide	6.83	76	21476	1.66	~~ug/L~~	99
14) Methylene Chloride	7.06	84	5560	1.30	~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.14	59	1430	5.40	~~ug/L~~ # NT	77
20) 2,2-Dichloropropane	8.61	77	257	0.04	~~ug/L~~ # NSM	36
24) Chloroform	9.21	83	1064	0.13	~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.38	59	1057	0.09	~~ug/L~~ #	44
31) Benzene	9.96	78	11256	0.77	~~ug/L~~ #	76
32) 1,2-Dichloroethane	9.92	62	6881	1.33	~~ug/L~~ #	1
33) Trichloroethene	10.73	130	260	0.06	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.10	43	321	0.13	~~ug/L~~ #	100
41) Toluene	12.29	91	37091	2.18	ug/L 0.0436	99
42) trans-1,3-Dichloropropene	12.51	75	3365	0.60	~~ug/L~~ # NT	30
46) 2-Hexanone	12.96	43	341	0.12	~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	10427	0.54	ug/L # 0.0108	81
52) m,p-Xylenes	14.15	106	10538	1.53	ug/L 0.0306	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052914L3\E2900007.D
Vial: 6
Acq On : 29 May 2014 11:13 am
Operator: DN
Sample : 3E42901-06
Inst : GC/MS Ins
Misc : 100cc SVL-526-SA5D-SV-7.5-8.5
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:51 19114
Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

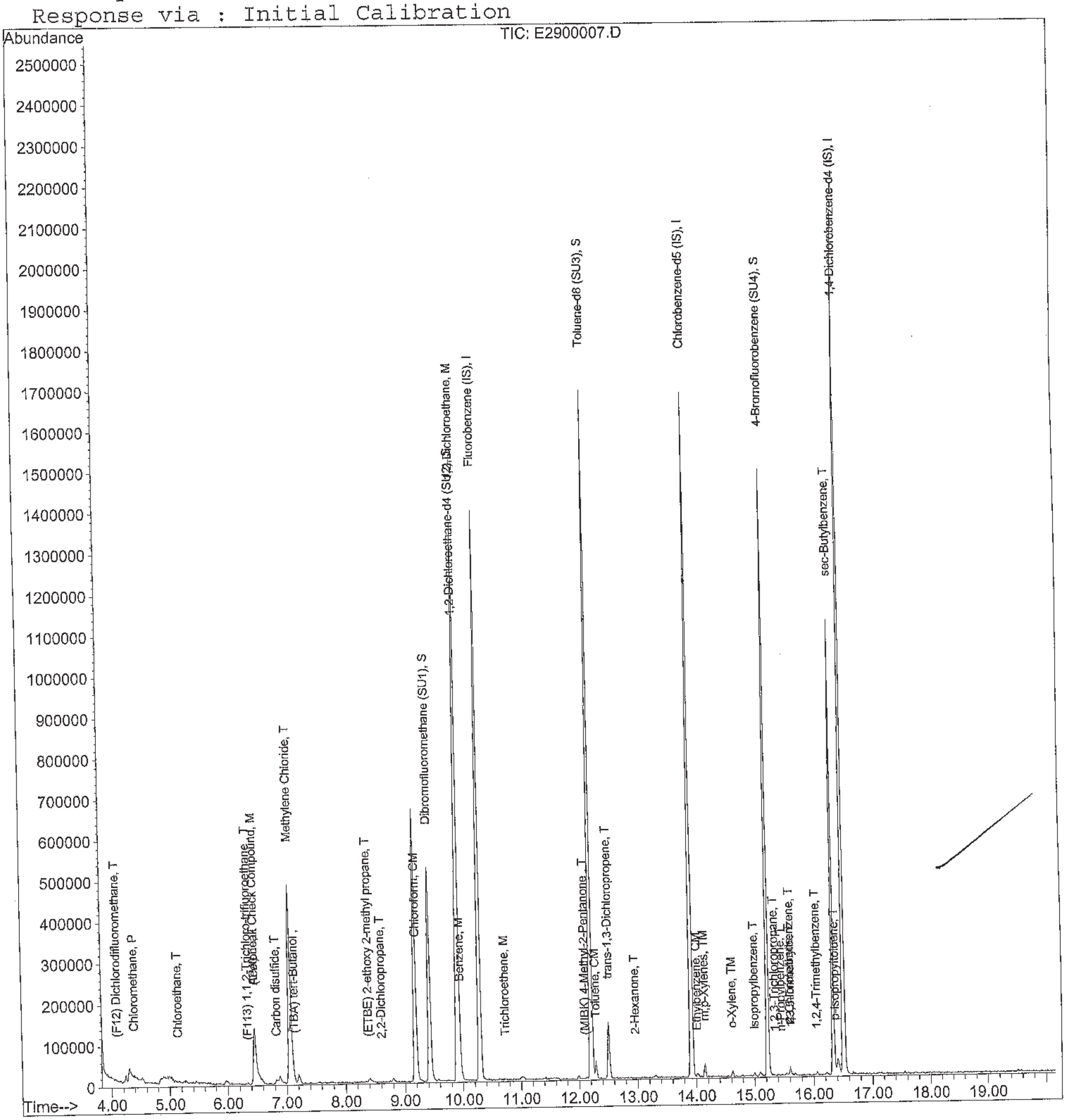
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
53)	o-Xylene	14.62	106	3375	0.50 ~~ug/L~~	0.01	79
54)	Styrene	14.62	104	2097	-0.66 ~~ug/L~~	#	60
56)	Isopropylbenzene	15.00	105	329	0.02 ~~ug/L~~	#	1
57)	1,2,3-Trichloropropane	15.34	75	275	0.05 ~~ug/L~~	#	36
62)	n-Propylbenzene	15.45	91	2023	0.07 ~~ug/L~~	#	56
63)	2-Chlorotoluene	15.61	91	1425	0.08 ~~ug/L~~	#	45
64)	1,3,5-Trimethylbenzene	15.62	105	2072	0.12 ~~ug/L~~	#	31
65)	4-Chlorotoluene	15.61	91	1425	0.09 ~~ug/L~~	#	44
67)	1,2,4-Trimethylbenzene	16.05	105	3872	0.22 ug/L	#	85
68)	sec-Butylbenzene	16.33	105	16654	0.73 ug/L	#	62
69)	p-Isopropyltoluene	16.38	119	2184	0.12 ~~ug/L~~	#	67

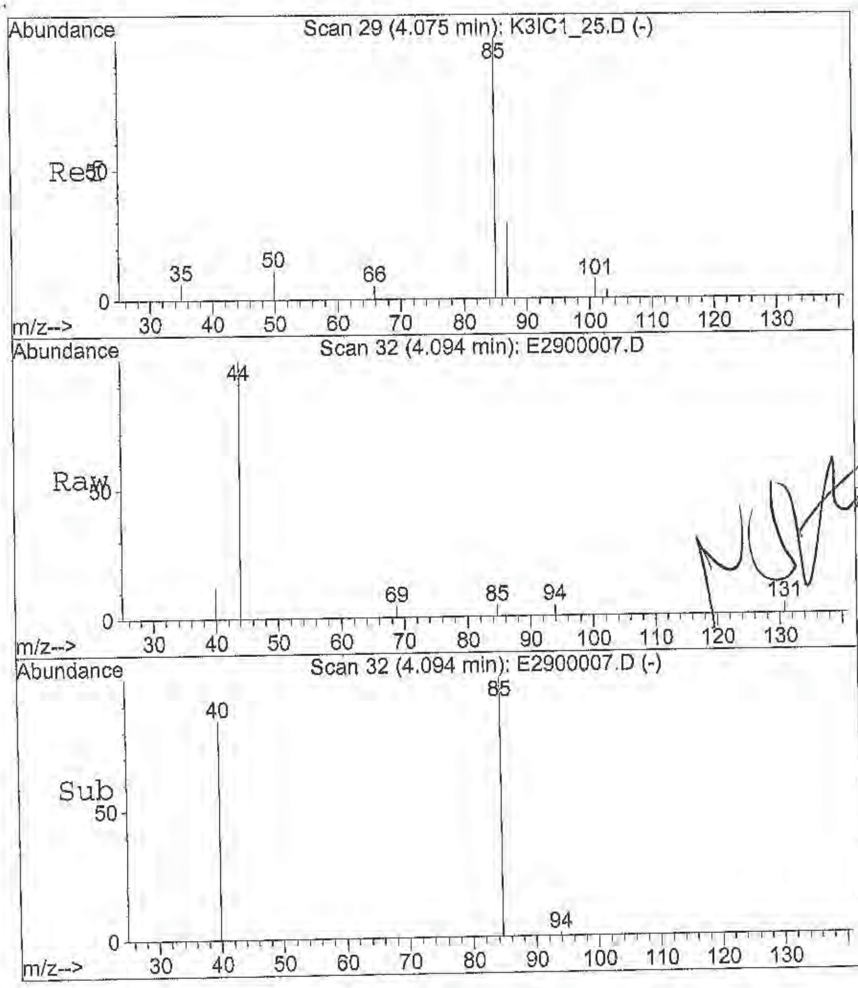
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900007.D   Vial: 6
Acq On : 29 May 2014 11:13 am   Operator: DN
Sample : 3E42901-06   Inst : GC/MS Ins
Misc : 100cc SVL-526-SA5D-SV-7.5-8.5   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:51 19114   Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

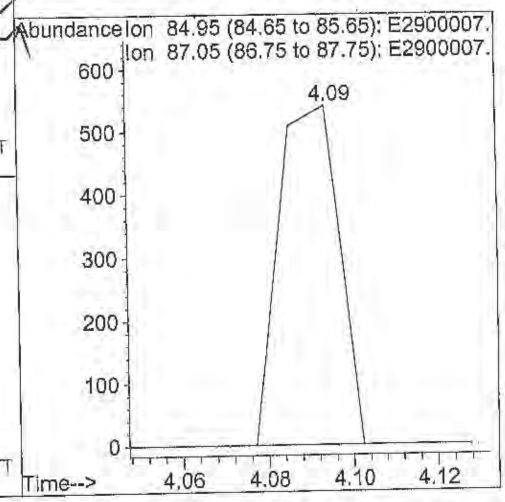


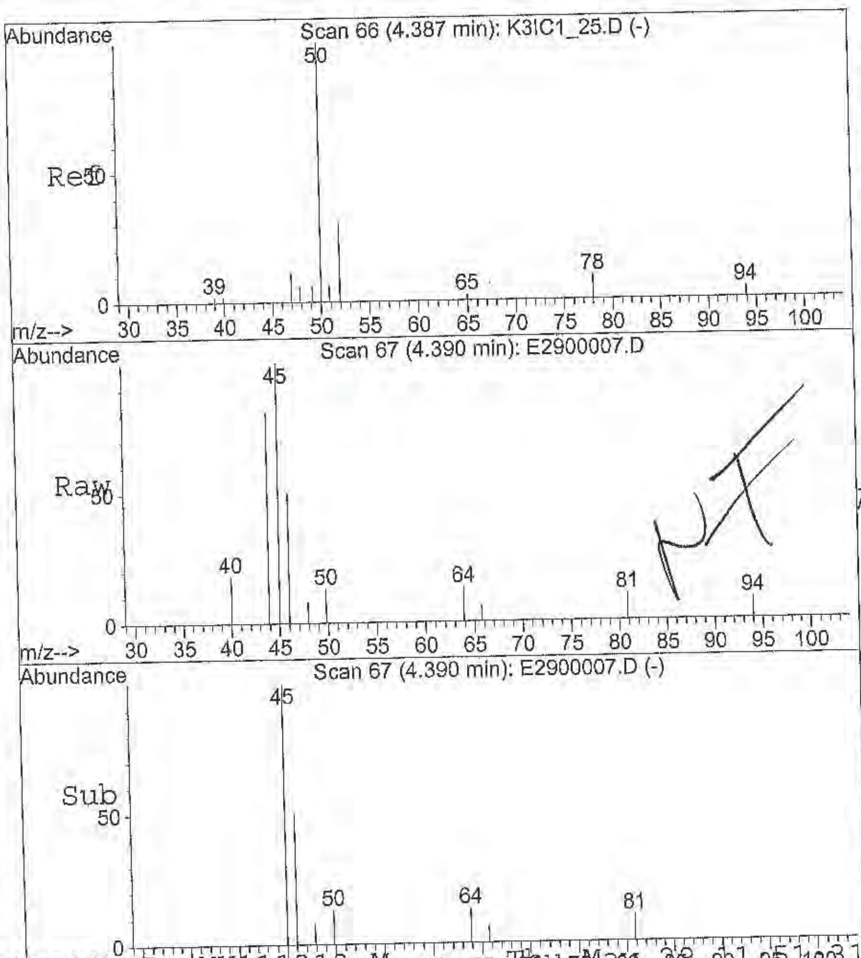


#3
(F12) Dichlorodifluoromethane
Concen: 0.14 ug/L
RT: 4.09 min Scan# 32
Delta R.T. 0.02 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 85 Resp: 531

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

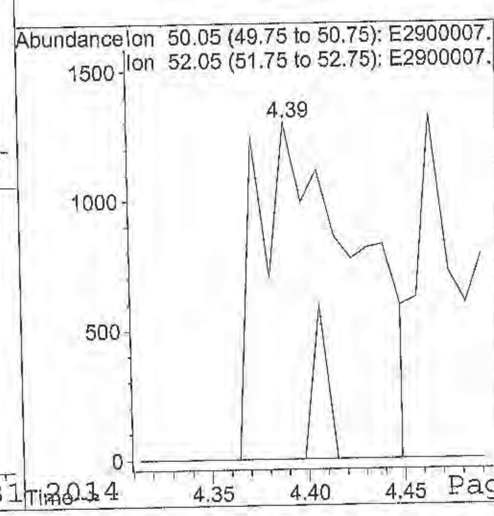


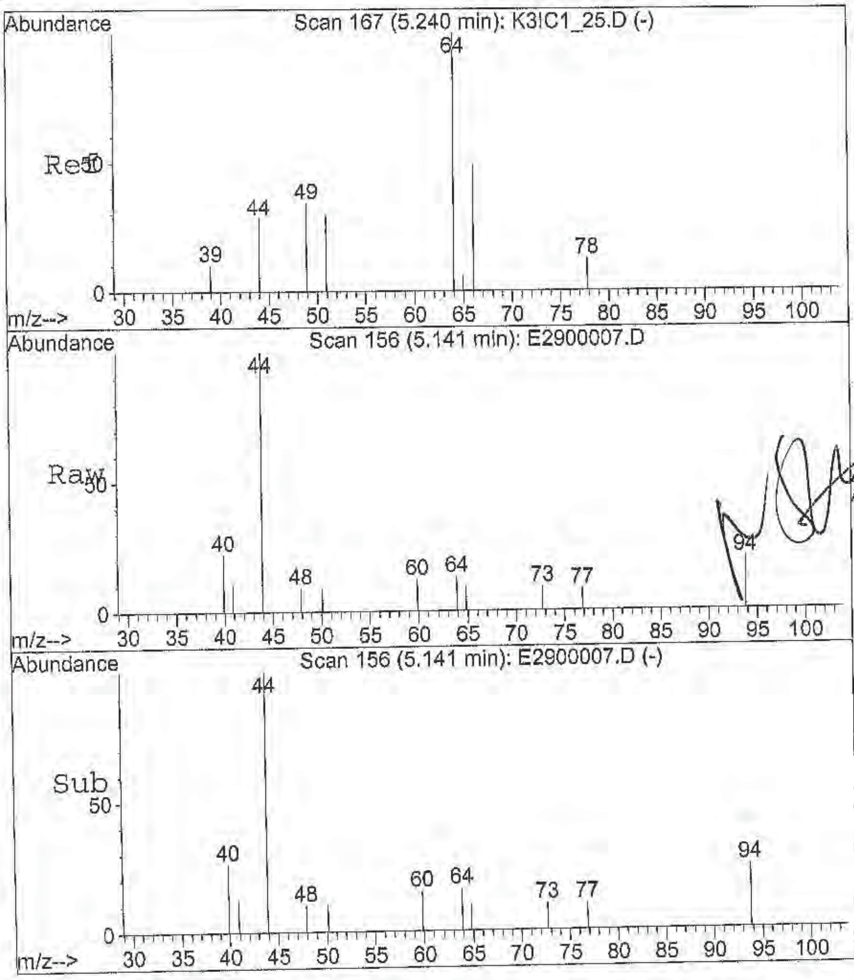


#4
Chloromethane
Concen: 0.57 ug/L
RT: 4.39 min Scan# 67
Delta R.T. 0.00 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 50 Resp: 4670

Ion	Ratio	Lower	Upper
50	100		
52	6.4	26.9	40.3#

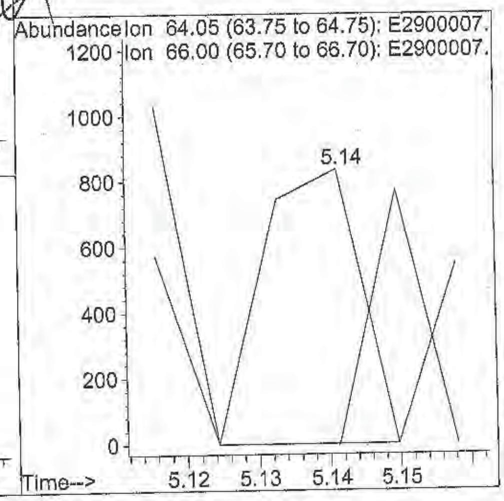


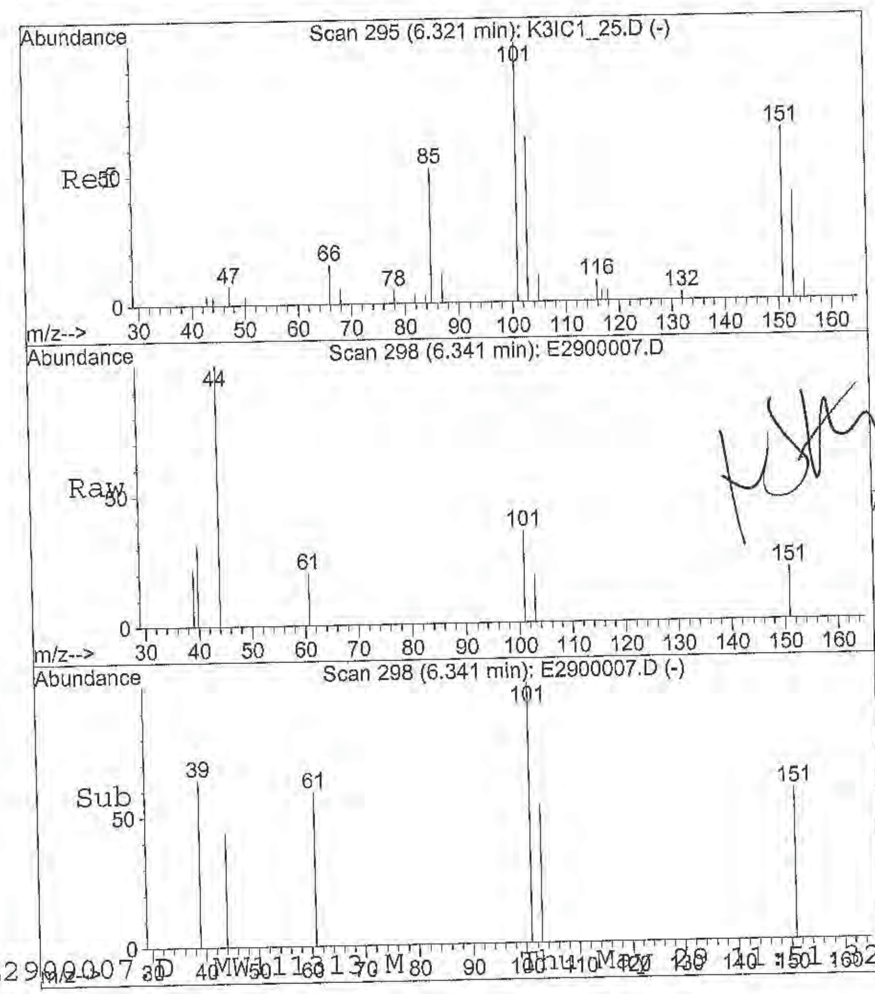


#7
Chloroethane
Concen: 1.31 ug/L
RT: 5.14 min Scan# 156
Delta R.T. -0.10 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 64 Resp: 799

Ion	Ratio	Lower	Upper
64	100		
66	48.9	35.4	53.0

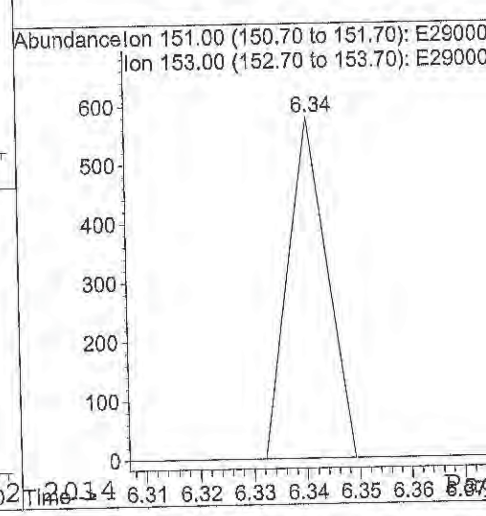


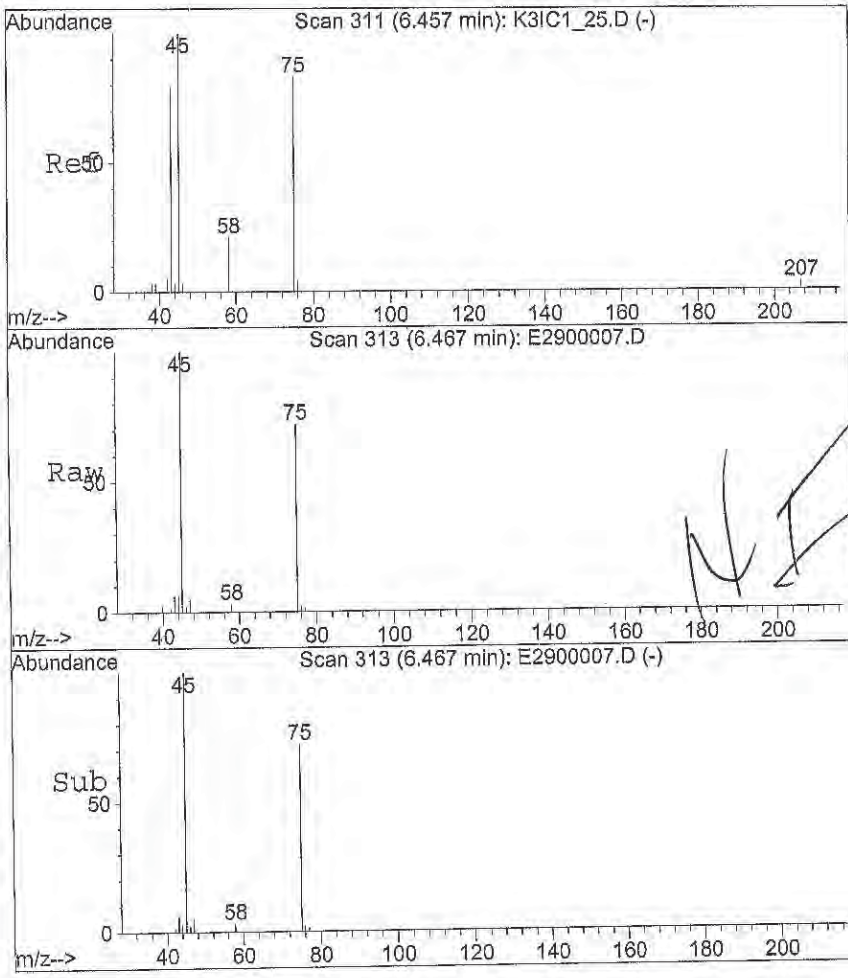


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 0.10 ug/L
RT: 6.34 min Scan# 298
Delta R.T. 0.02 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion:151 Resp: 293

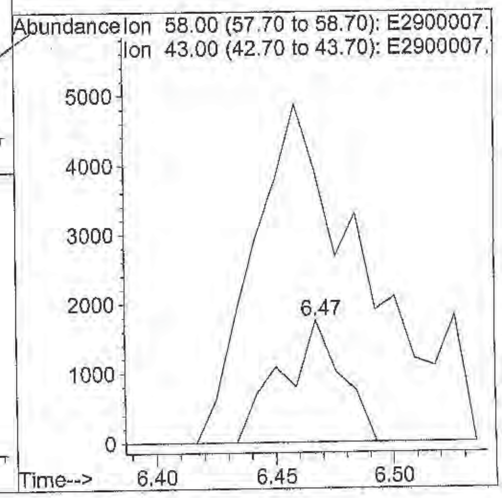
Ion	Ratio	Lower	Upper
151	100		
153	0.0	49.6	74.4#

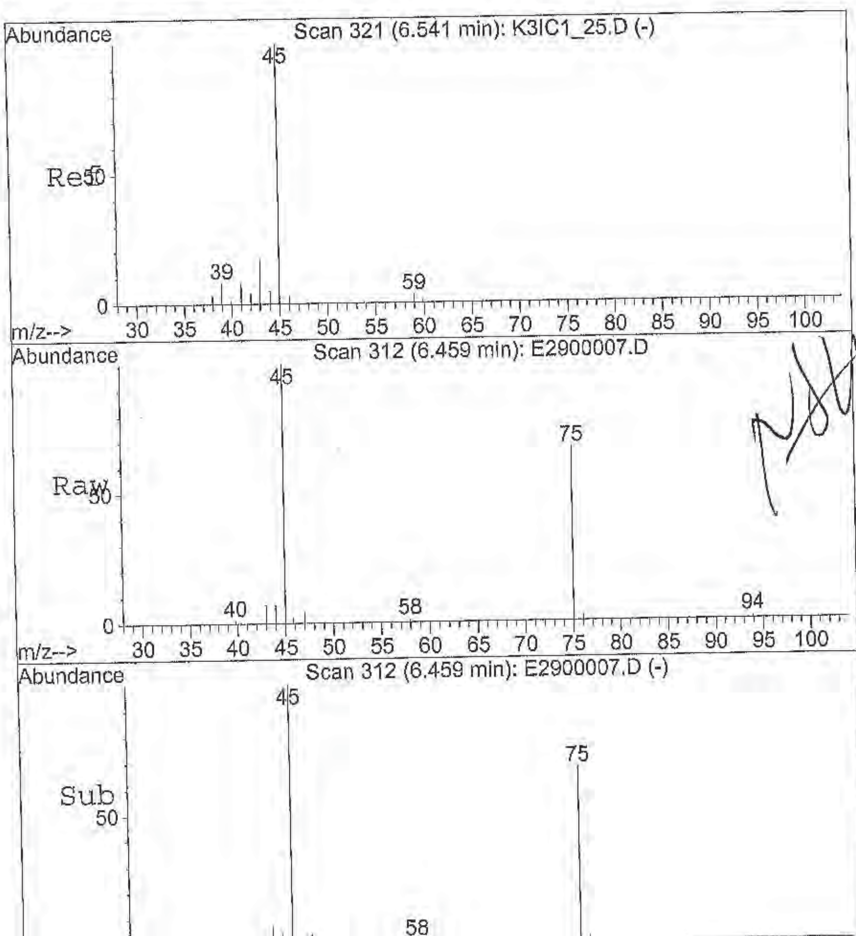




#11
Acetone
Concen: 178.65 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

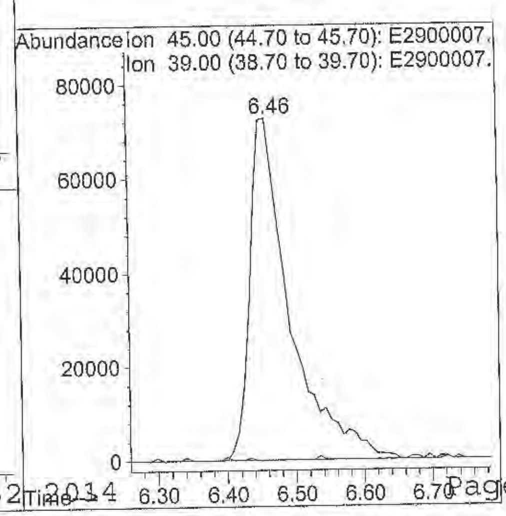
Tgt Ion: 58	Resp:		3064
Ion	Ratio	Lower	Upper
58	100		
43	539.6	360.9	541.3



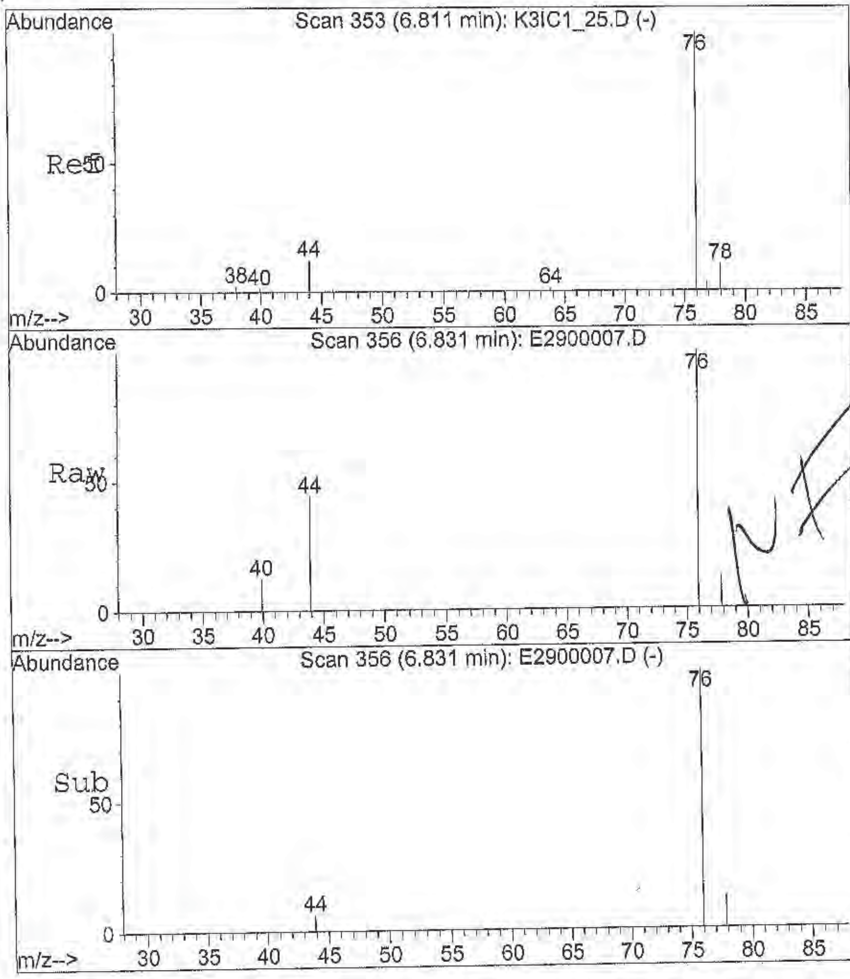


#12
(IPA) Leak Check Compound
Concen: 1570.13 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

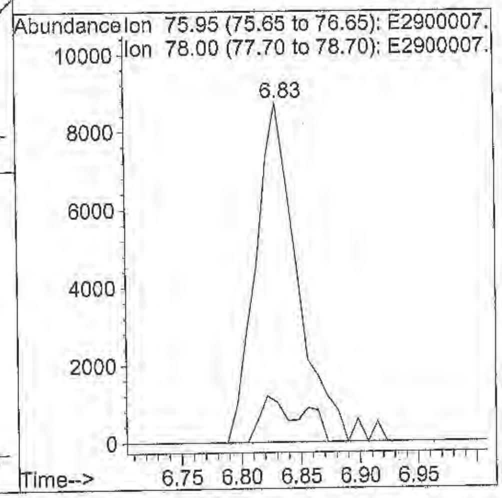
Tgt Ion: 45	Resp:		292755
Ion	Ratio	Lower	Upper
45	100		
39	0.0	4.9	7.3#



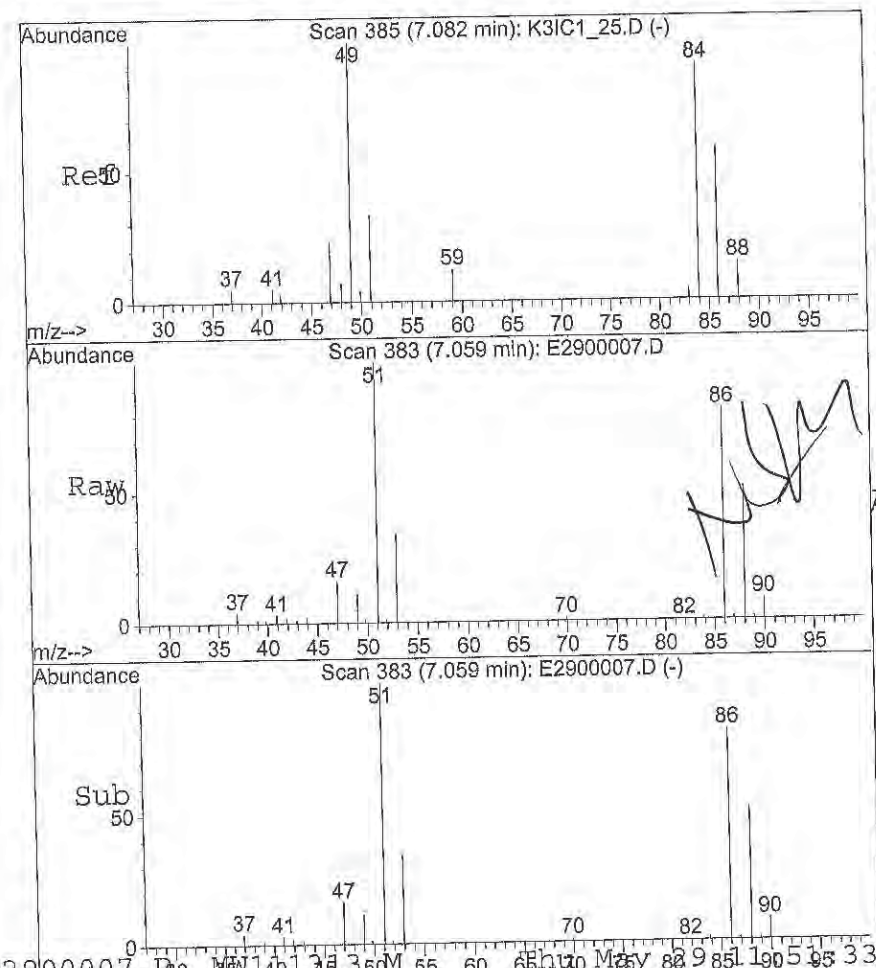
#13
Carbon disulfide
Concen: 1.66 ug/L
RT: 6.83 min Scan# 356
Delta R.T. 0.02 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am



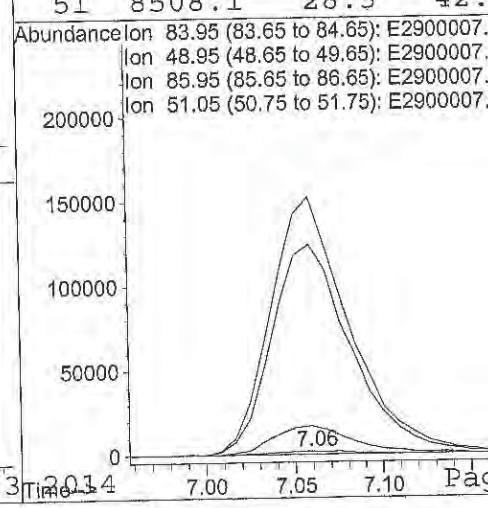
Tgt Ion: 76	Resp:		21476
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

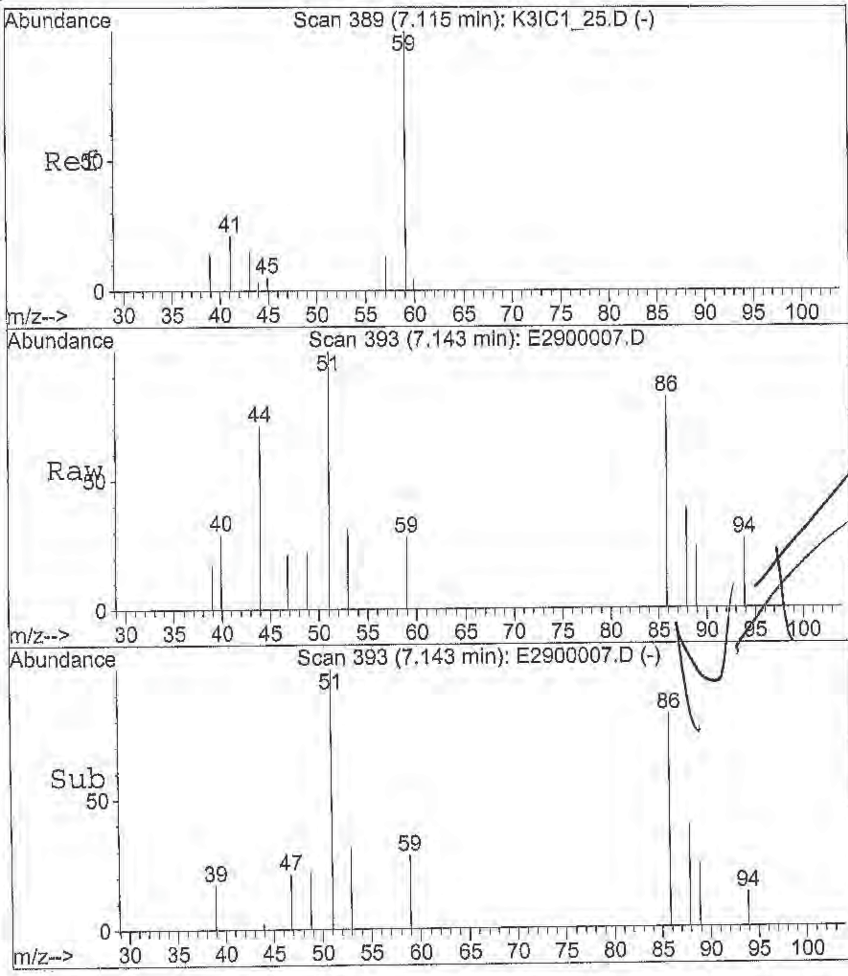


#14
Methylene Chloride
Concen: 1.30 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am



Tgt Ion: 84	Resp:		5560
Ion	Ratio	Lower	Upper
84	100		
49	952.9	89.8	134.6#
86	6998.6	51.1	76.7#
51	8508.1	28.5	42.7#

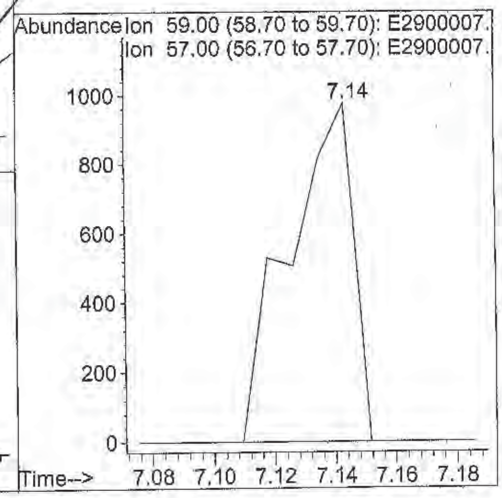


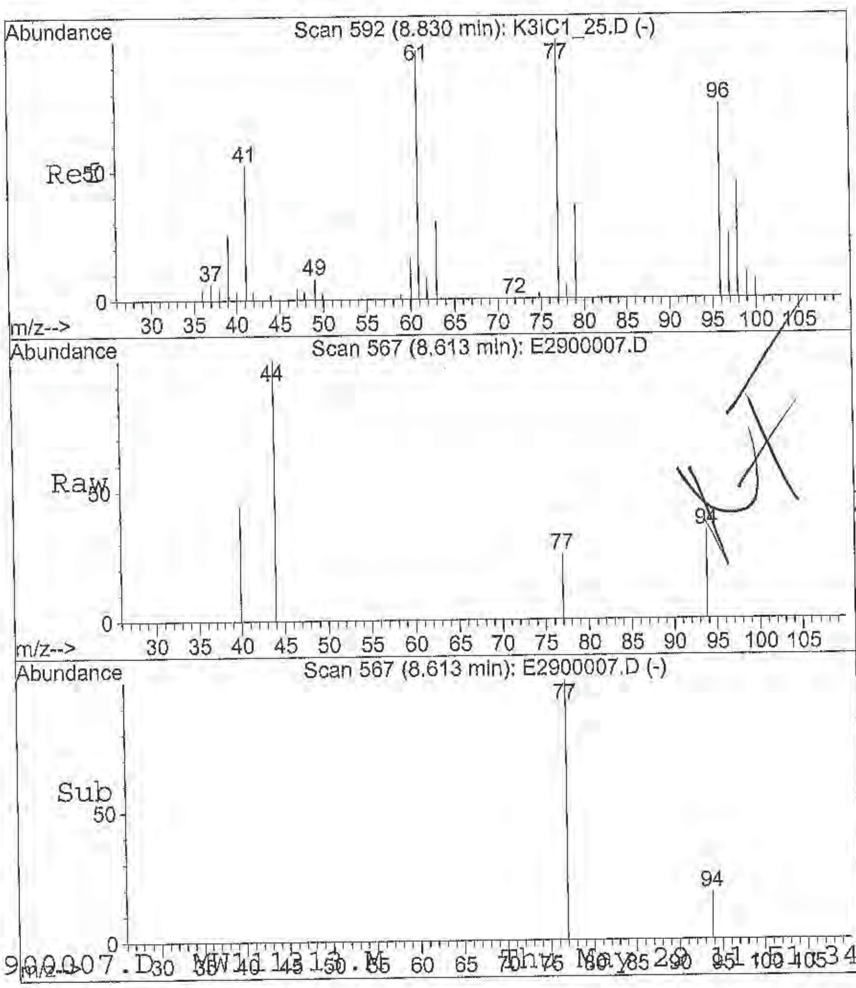


#15
(TBA) tert-Butanol
Concen: 5.40 ug/L
RT: 7.14 min   Scan# 393
Delta R.T.   0.03 min
Lab File: E2900007.D
Acq: 29 May 2014   11:13 am

Tgt Ion: 59 Resp: 1430

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

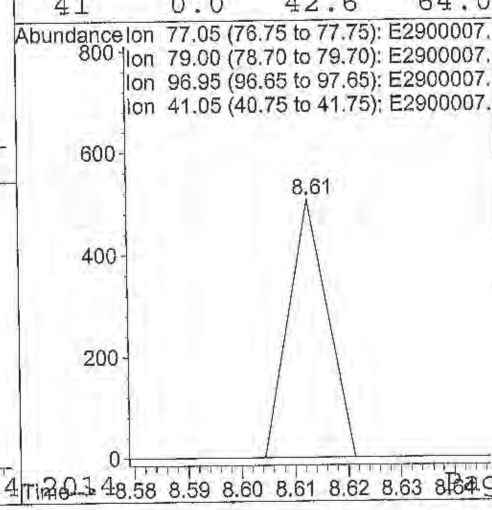


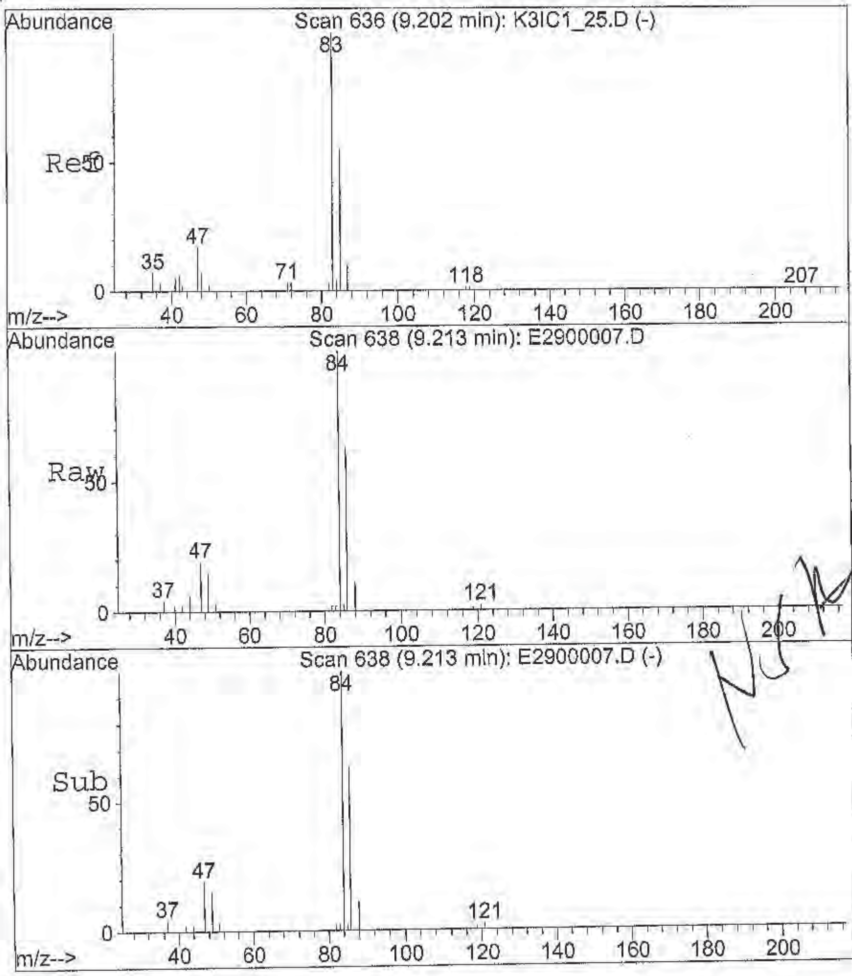


#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.61 min   Scan# 567
Delta R.T.   -0.22 min
Lab File: E2900007.D
Acq: 29 May 2014   11:13 am

Tgt Ion: 77 Resp: 257

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

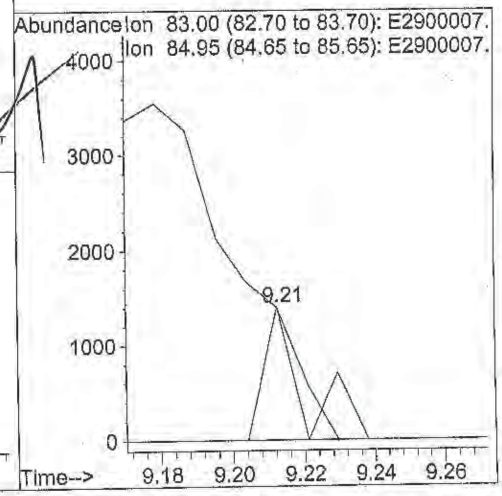


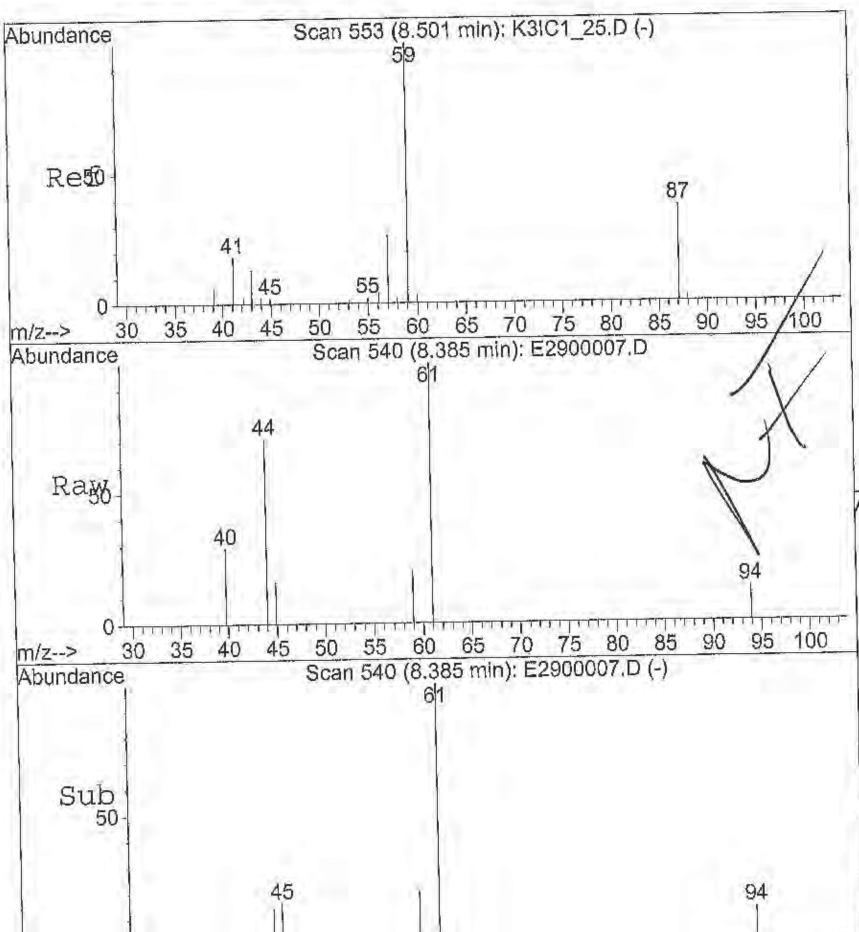


#24
Chloroform
Concen: 0.13 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 83 Resp: 1064

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

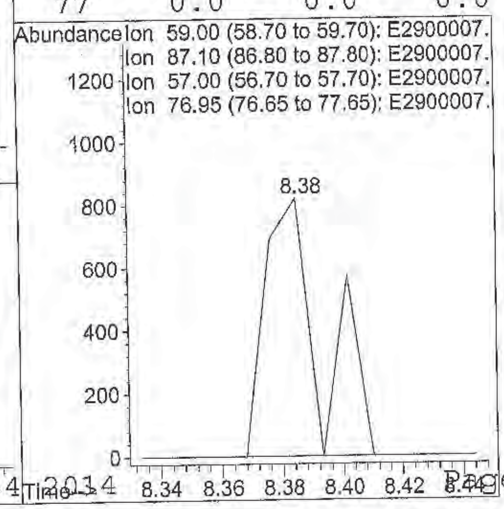


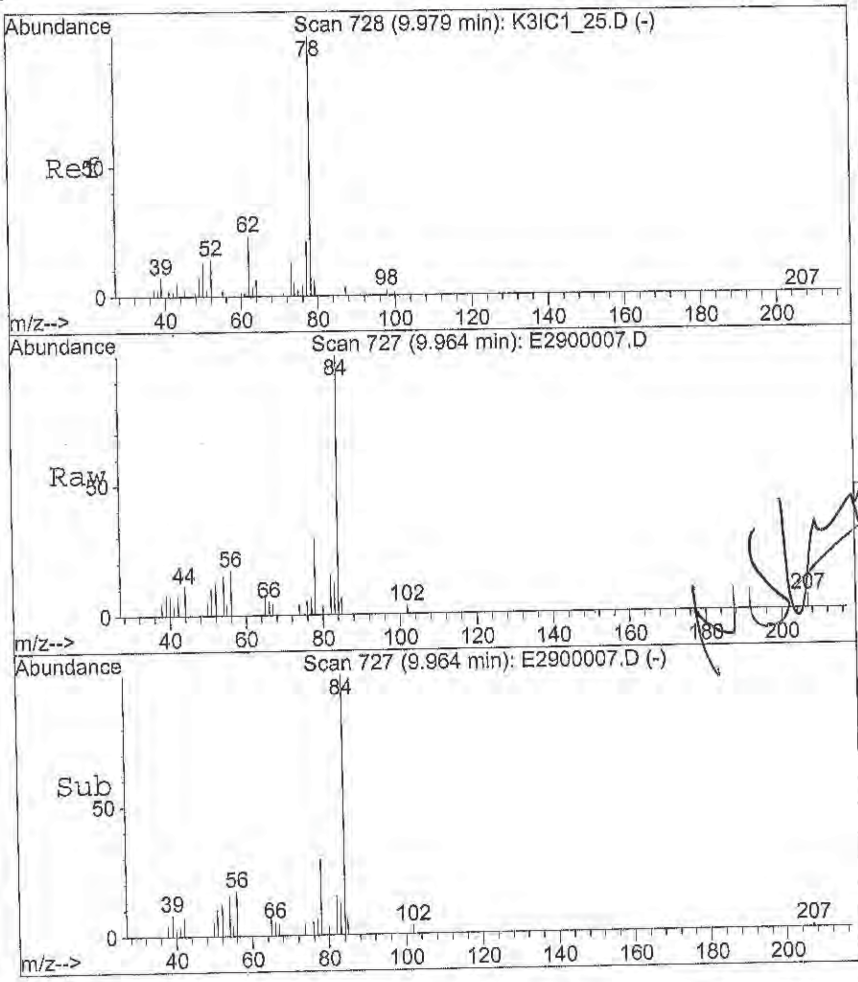


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.09 ug/L
RT: 8.38 min Scan# 540
Delta R.T. -0.12 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 59 Resp: 1057

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

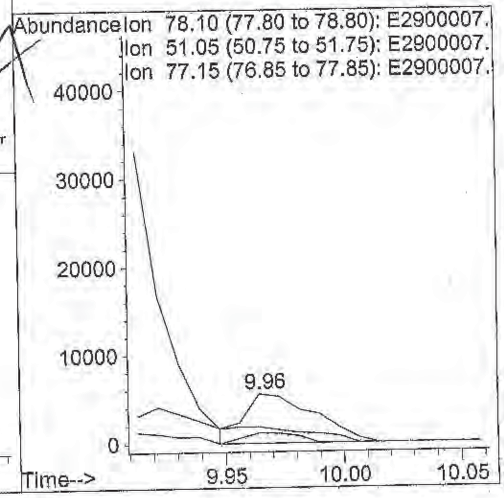


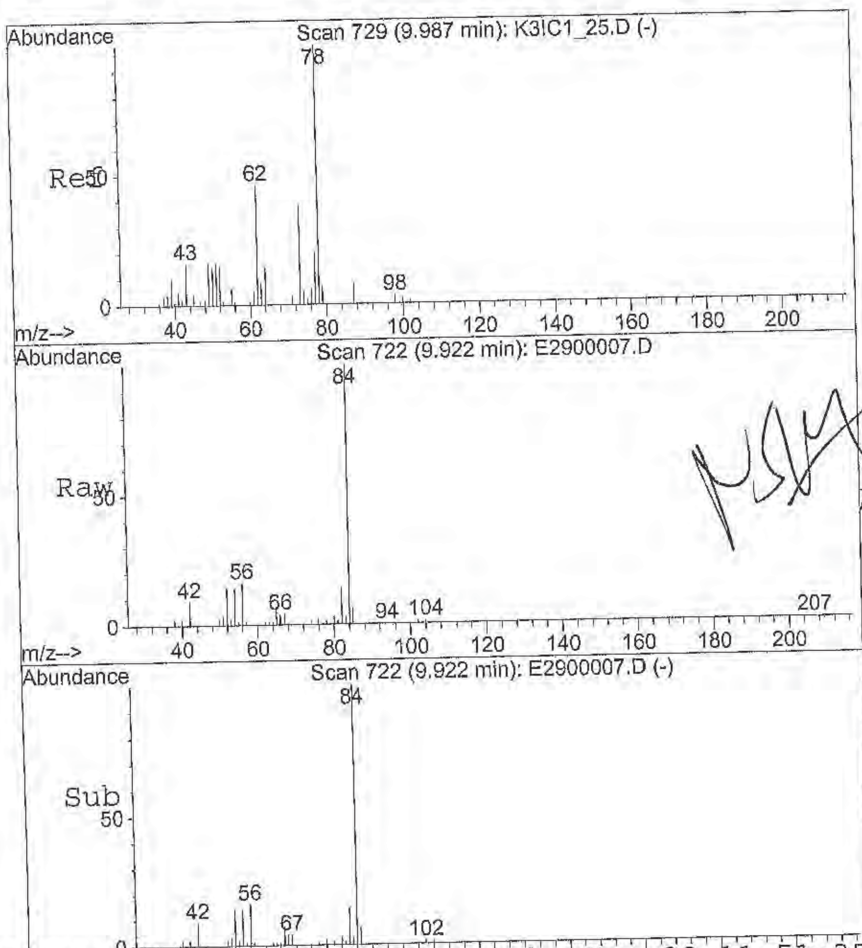


#31
Benzene
Concen: 0.77 ug/L
RT: 9.96 min Scan# 727
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 78 Resp: 11256

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	15.9	16.6	24.8#

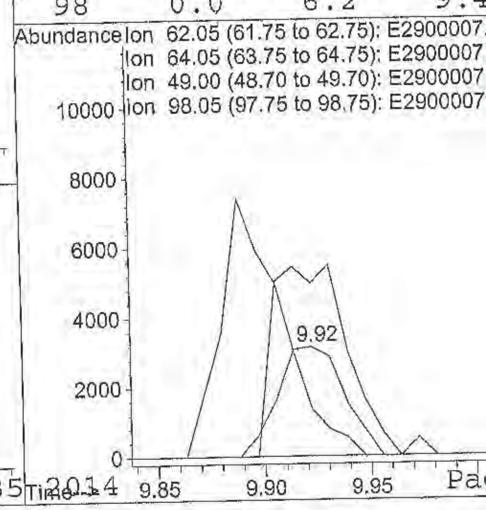


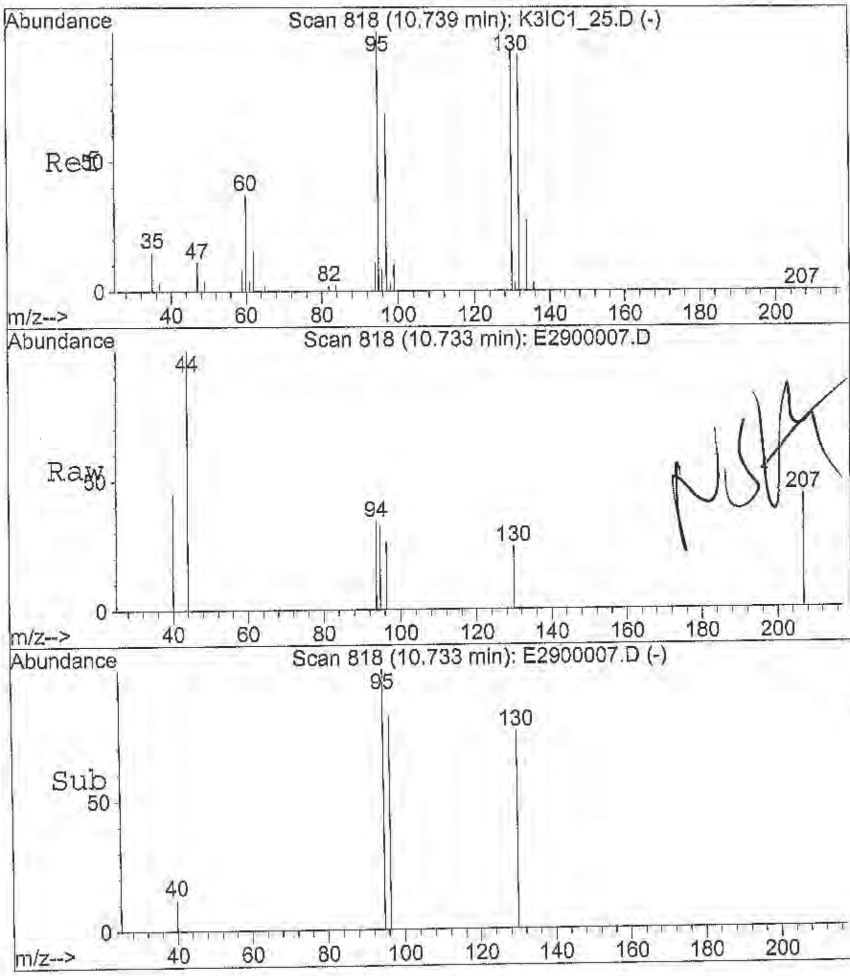


#32
1,2-Dichloroethane
Concen: 1.33 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.07 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 62 Resp: 6881

Ion	Ratio	Lower	Upper
62	100		
64	193.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

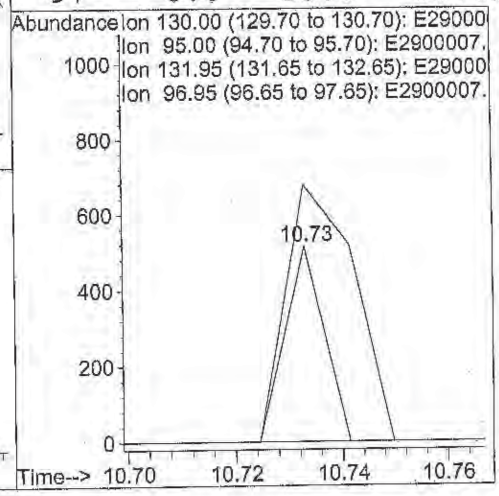


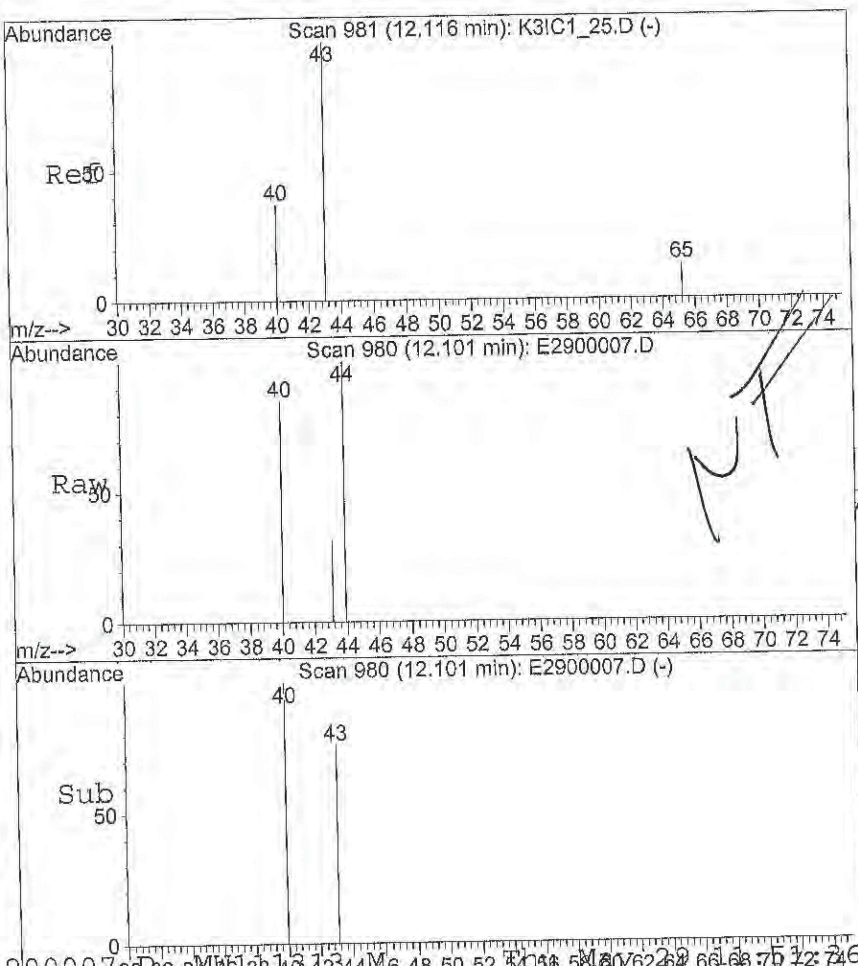


#33
Trichloroethene
Concen: 0.06 ug/L
RT: 10.73 min Scan# 818
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion:130 Resp: 260

Ion	Ratio	Lower	Upper
130	100		
95	232.7	82.8	124.2#
132	0.0	77.4	116.2#
97	0.0	53.8	80.6#

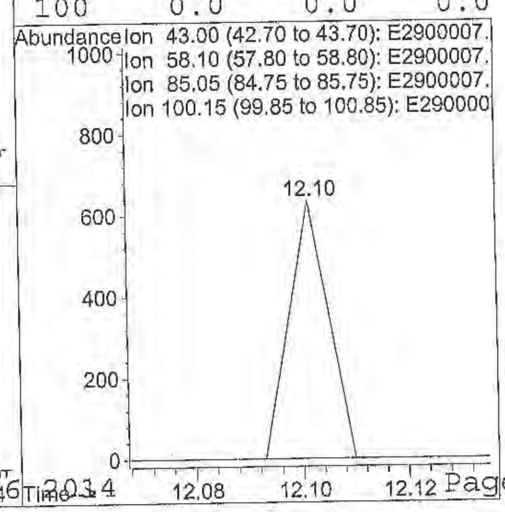


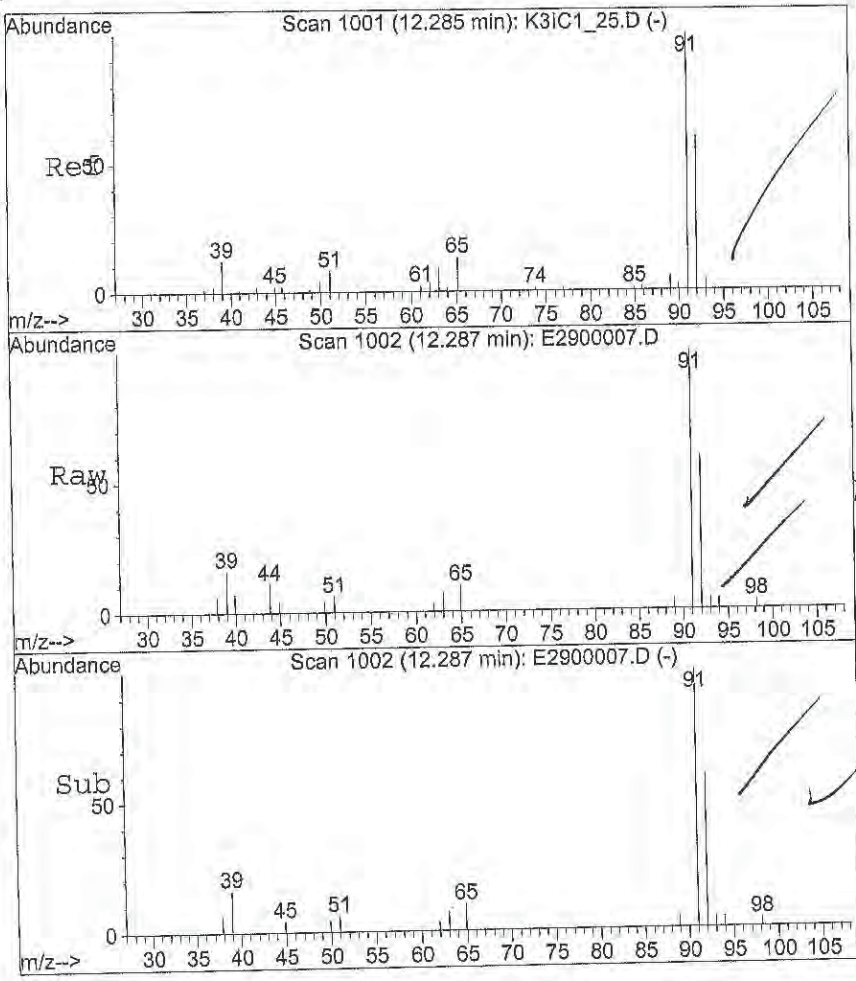


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.13 ug/L
RT: 12.10 min Scan# 980
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 43 Resp: 321

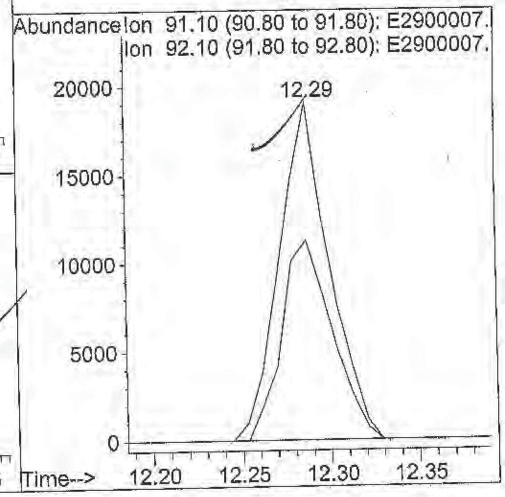
Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

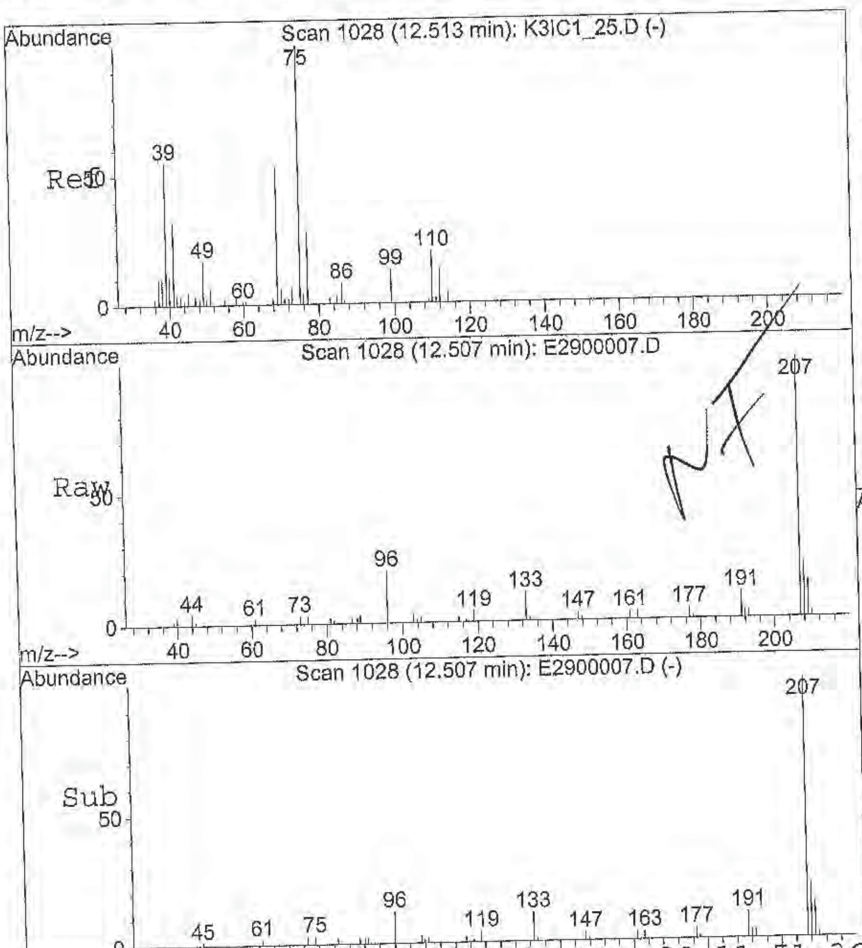




#41
Toluene
Concen: 2.18 ug/L
RT: 12.29 min Scan# 1002
Delta R.T.   0.00 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

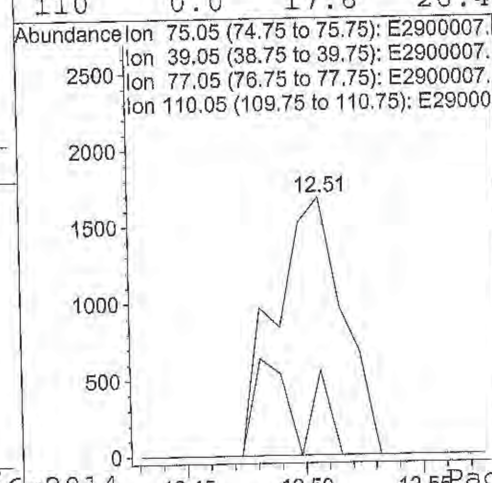
Tgt Ion: 91	Resp:		37091
Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.4	71.0

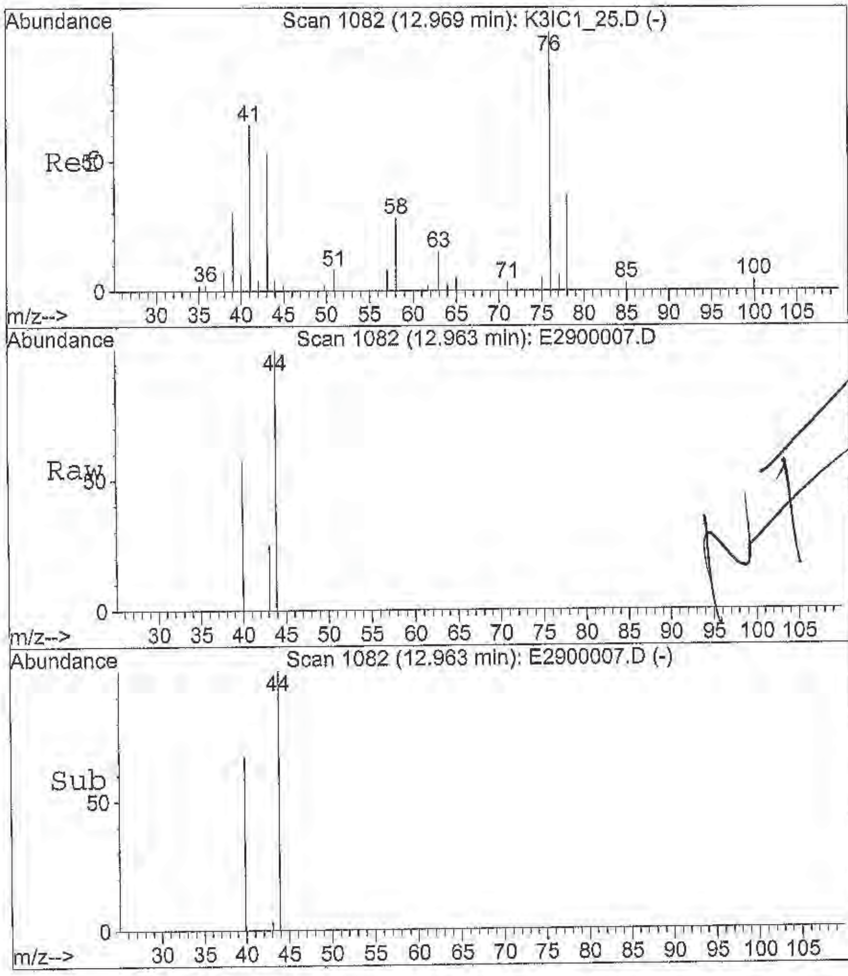




#42
trans-1,3-Dichloropropene
Concen: 0.60 ug/L
RT: 12.51 min Scan# 1028
Delta R.T.   -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 75	Resp:		3365
Ion	Ratio	Lower	Upper
75	100		
39	0.0	53.6	80.4#
77	0.0	25.4	38.2#
110	0.0	17.6	26.4#

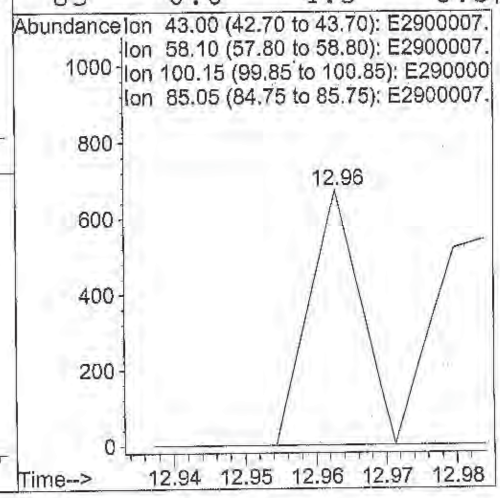


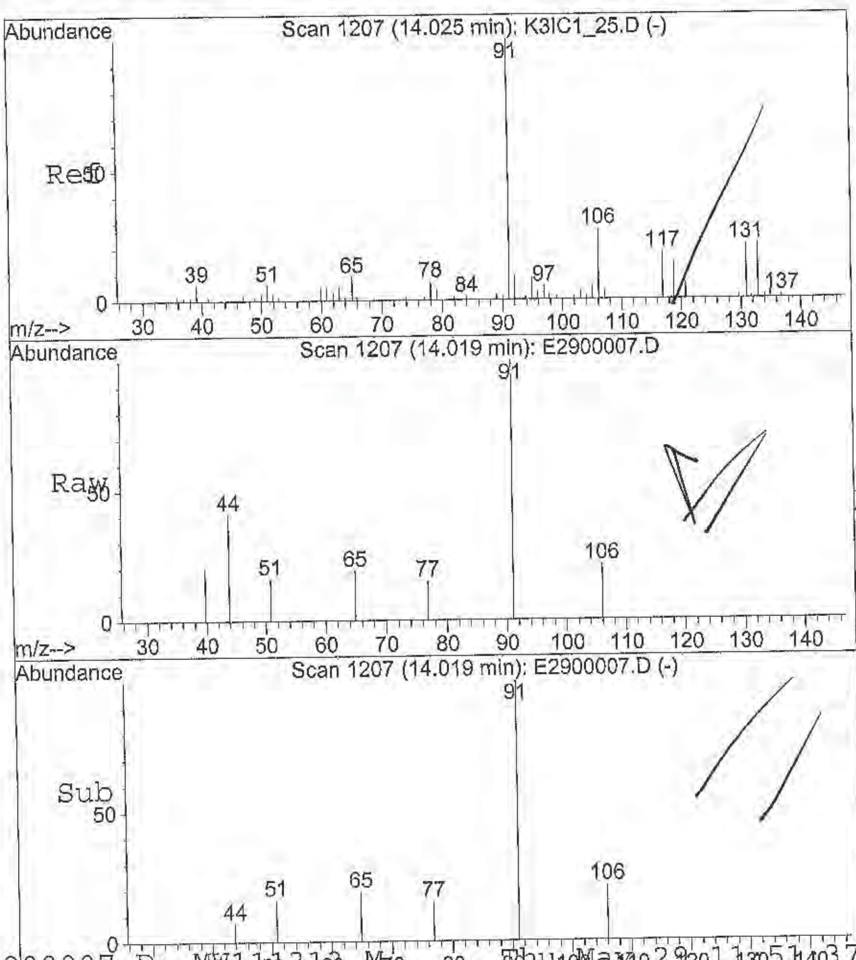


#46
2-Hexanone
Concen: 0.12 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 43 Resp: 341

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

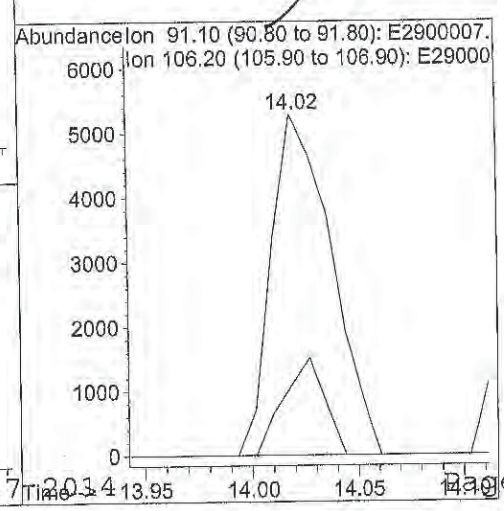


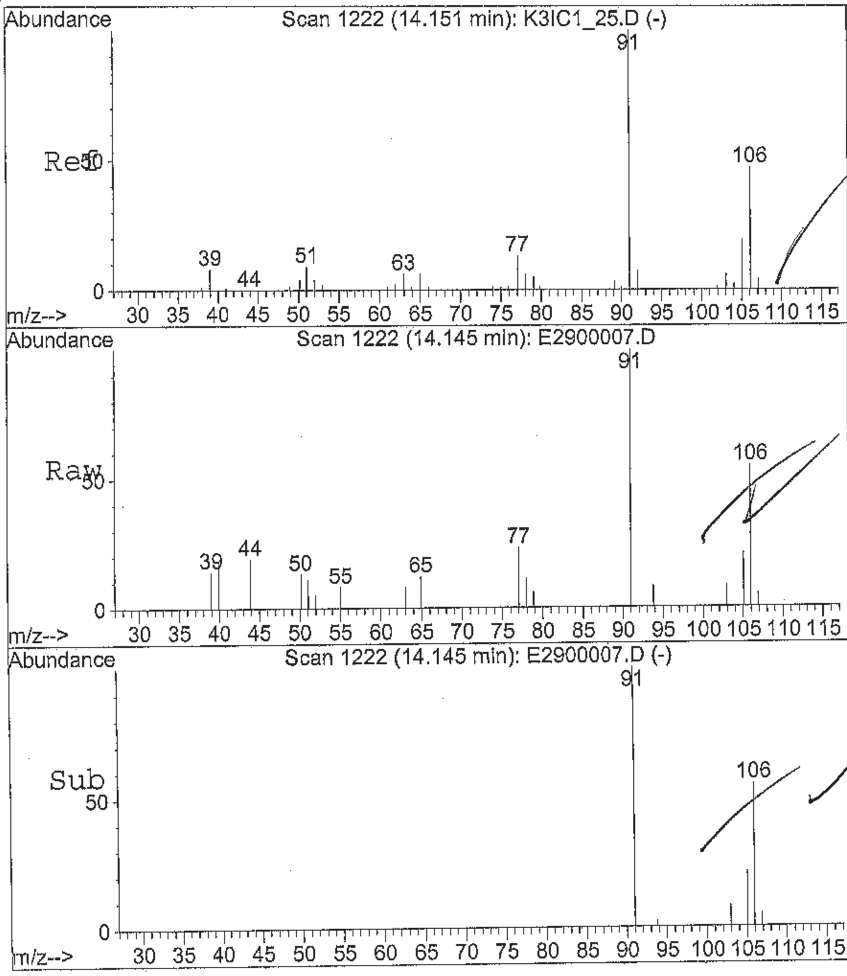


#51
Ethylbenzene
Concen: 0.54 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 91 Resp: 10427

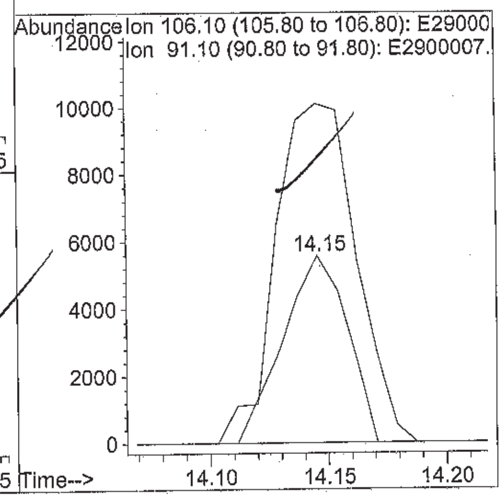
Ion	Ratio	Lower	Upper
91	100		
106	19.4	23.5	35.3#

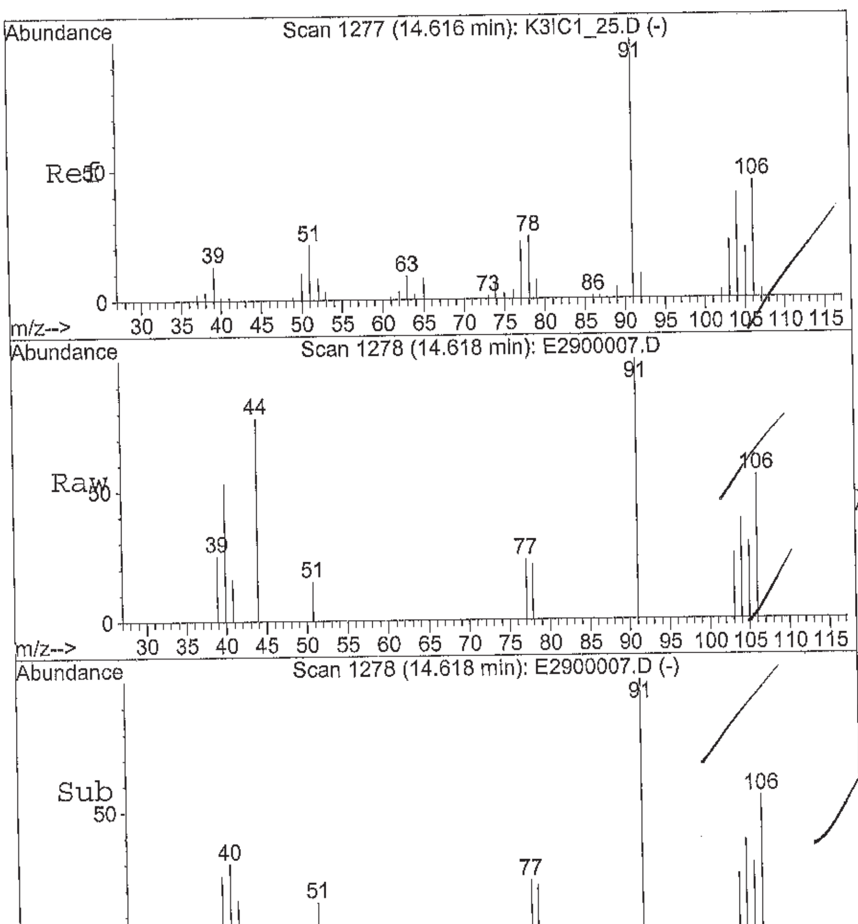




#52
m,p-Xylenes
Concen: 1.53 ug/L
RT: 14.15 min   Scan# 1222
Delta R.T.   -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014   11:13 am

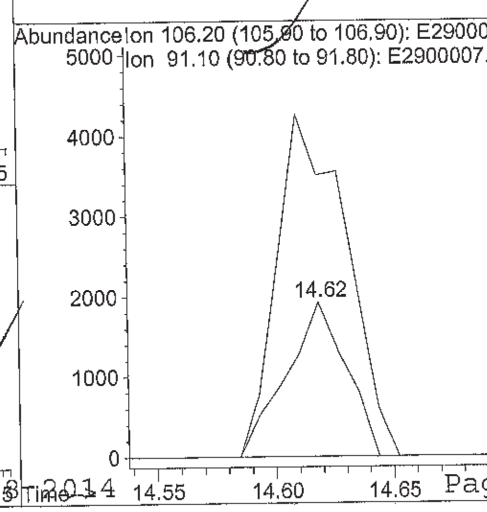
Tgt Ion:106	Resp:		10538
Ion	Ratio	Lower	Upper
106	100		
91	225.7	177.1	265.7

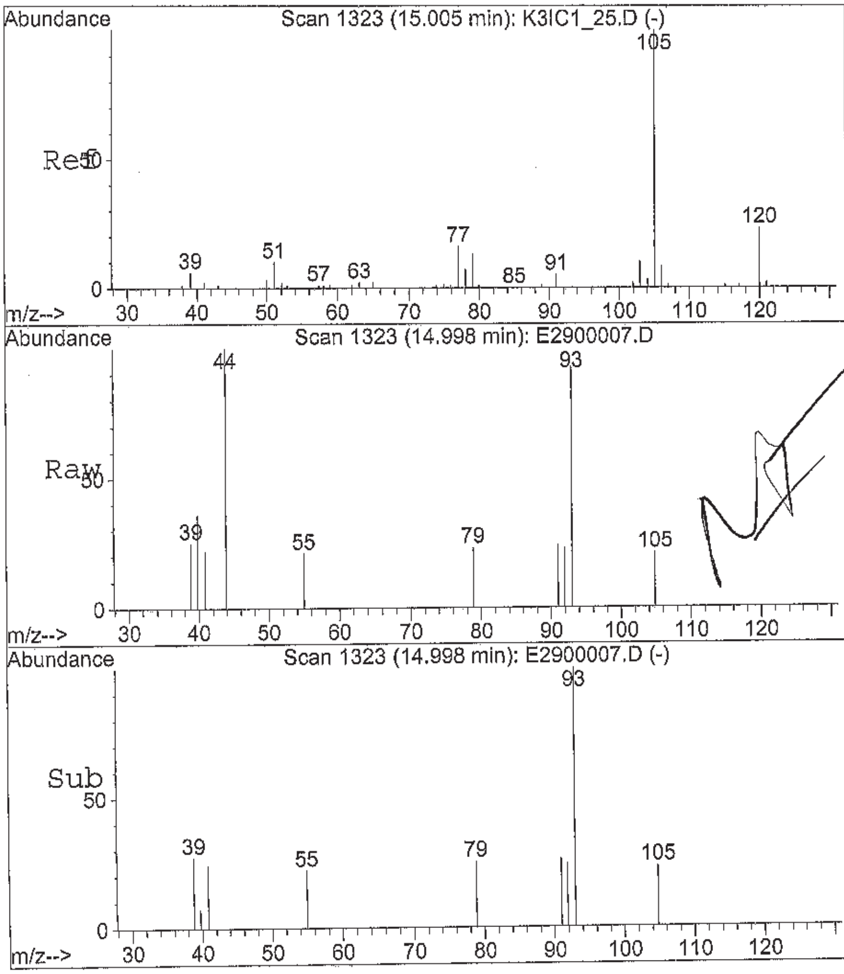




#53
o-Xylene
Concen: 0.50 ug/L
RT: 14.62 min   Scan# 1278
Delta R.T.   0.00 min
Lab File: E2900007.D
Acq: 29 May 2014   11:13 am

Tgt Ion:106	Resp:		3375
Ion	Ratio	Lower	Upper
106	100		
91	258.4	179.0	268.6

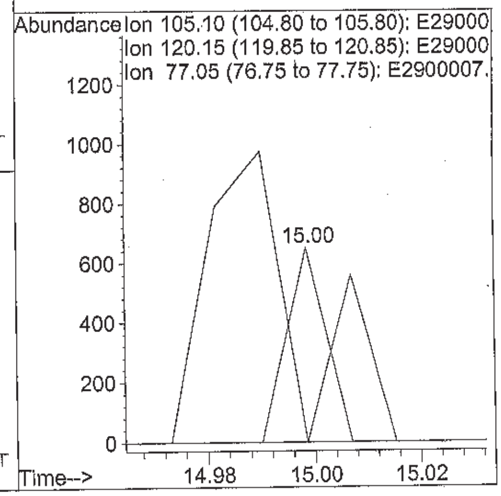


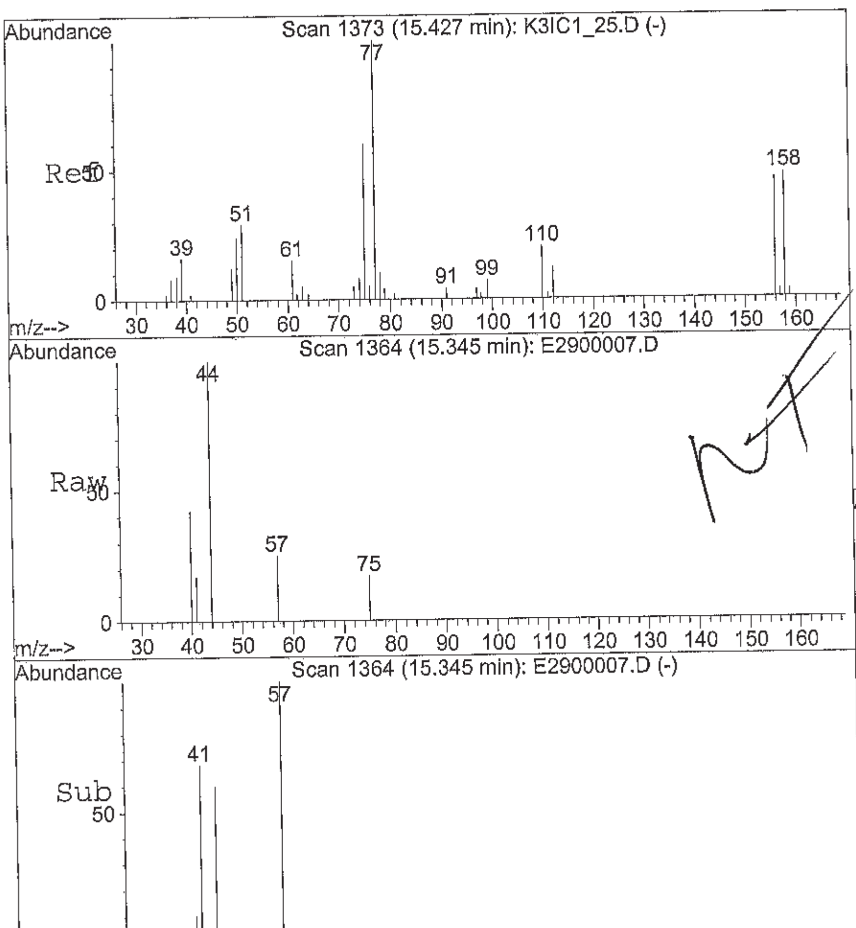


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion:105 Resp: 329

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	357.8	13.1	19.7#

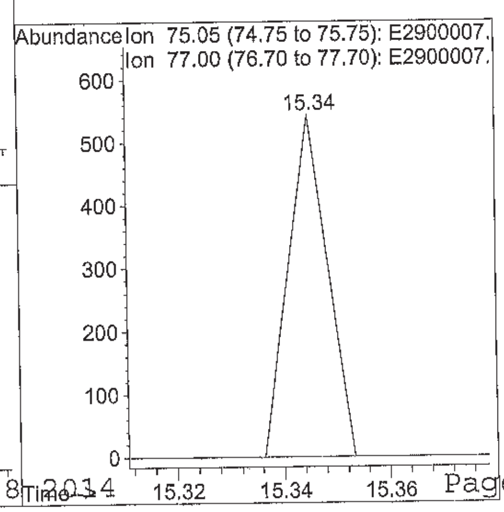


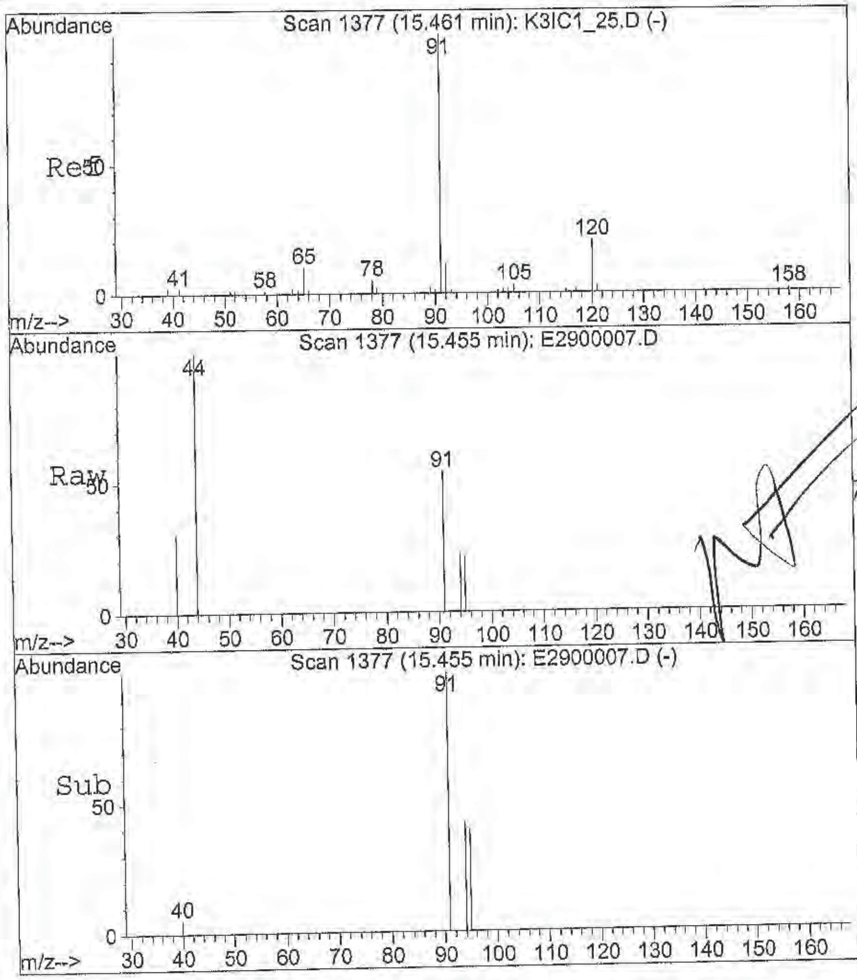


#57
1,2,3-Trichloropropane
Concen: 0.05 ug/L
RT: 15.34 min Scan# 1364
Delta R.T. -0.08 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 75 Resp: 275

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

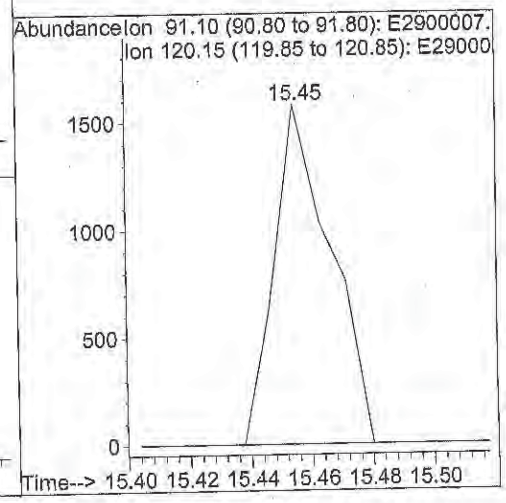


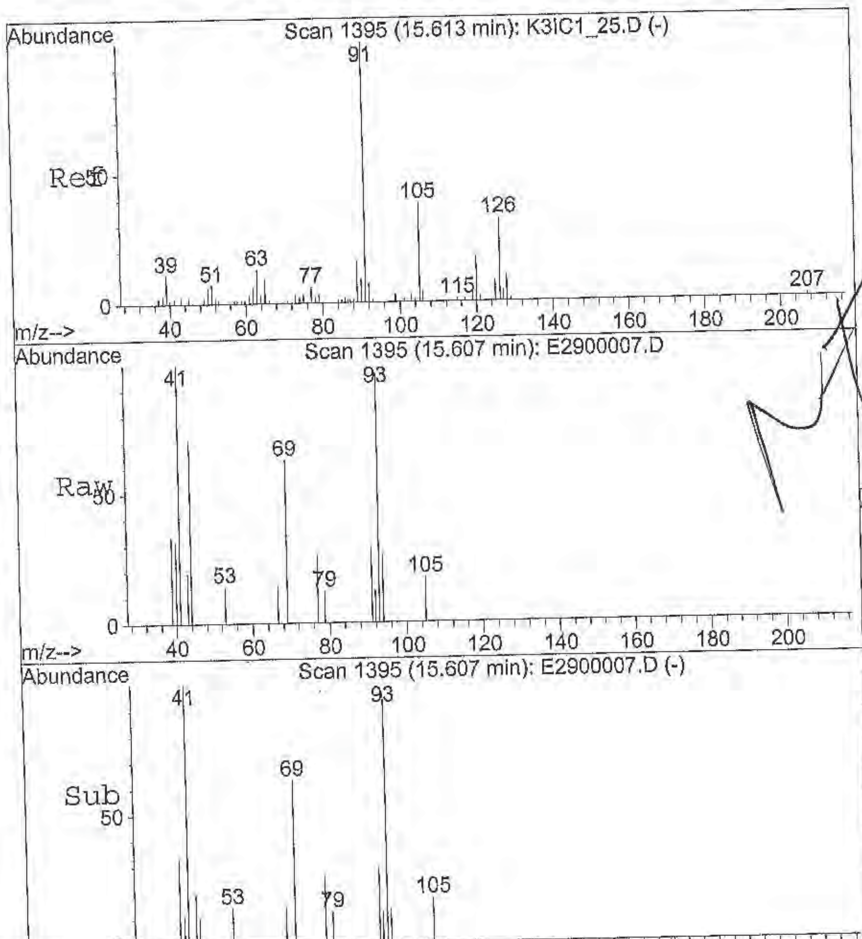


#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 91 Resp: 2023

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

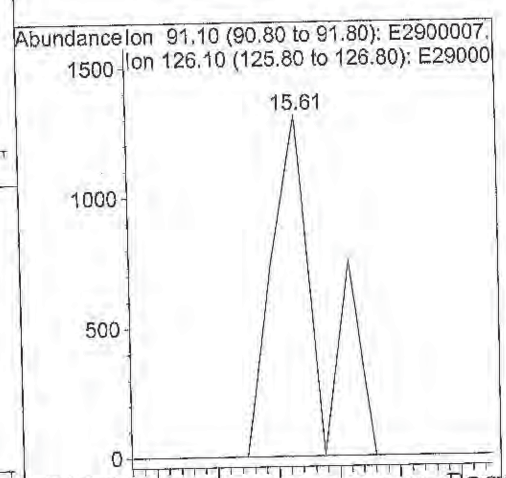


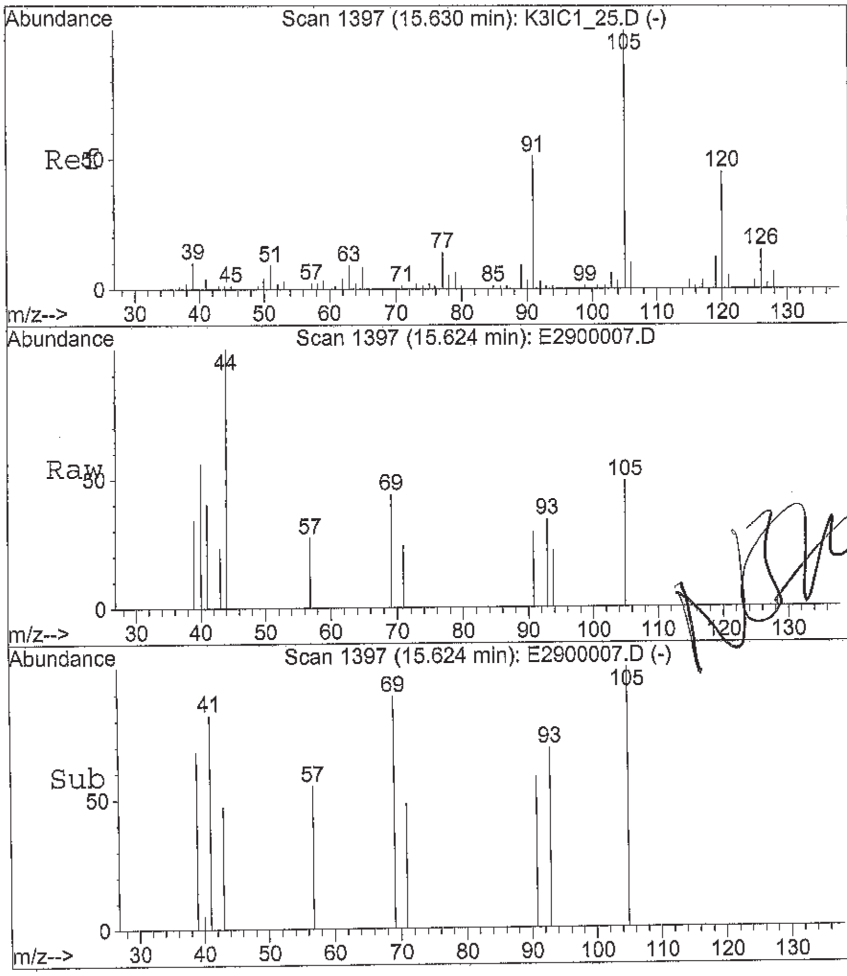


#63
2-Chlorotoluene
Concen: 0.08 ug/L
RT: 15.61 min Scan# 1395
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion: 91 Resp: 1425

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

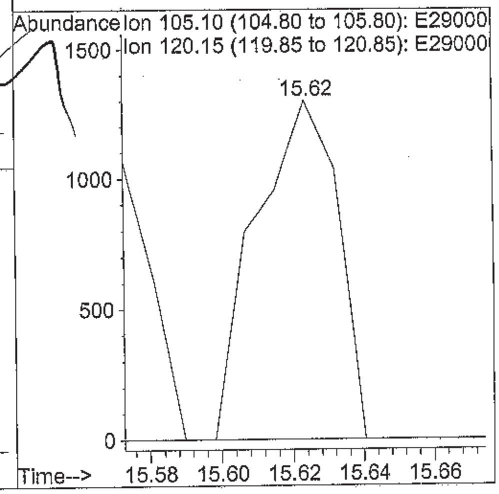


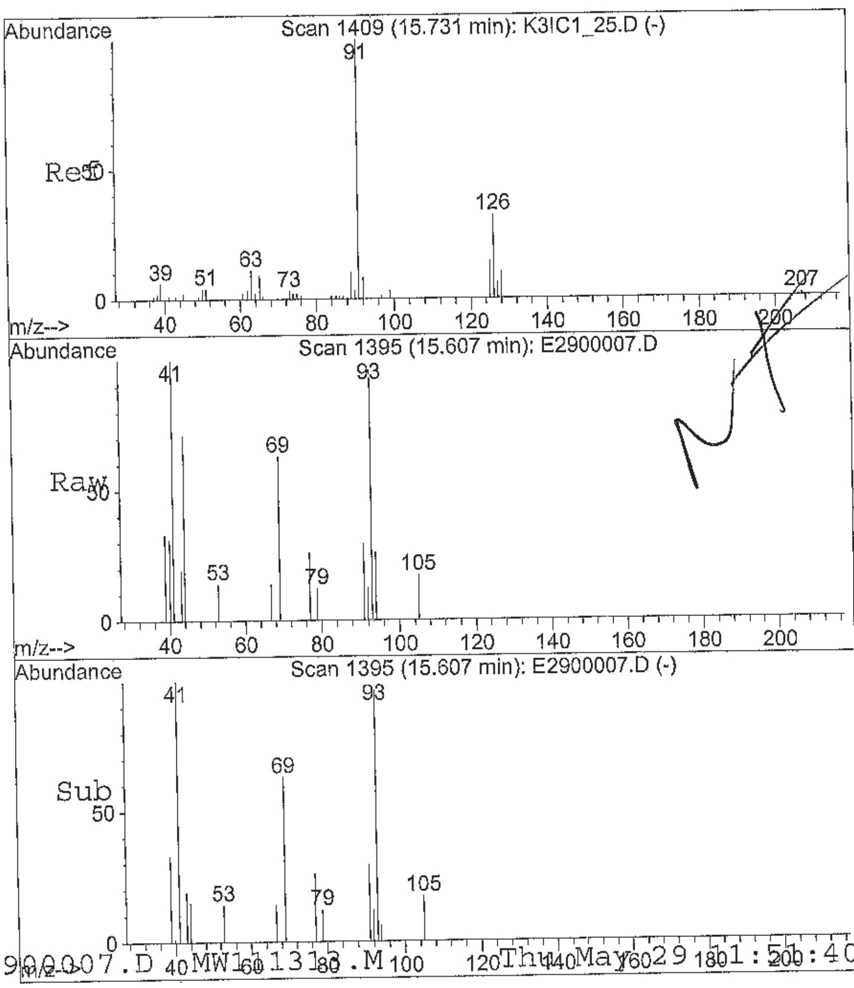


#64
1,3,5-Trimethylbenzene
Concen: 0.12 ug/L
RT: 15.62 min   Scan# 1397
Delta R.T.   -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014   11:13 am

Tgt Ion:105 Resp: 2072

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

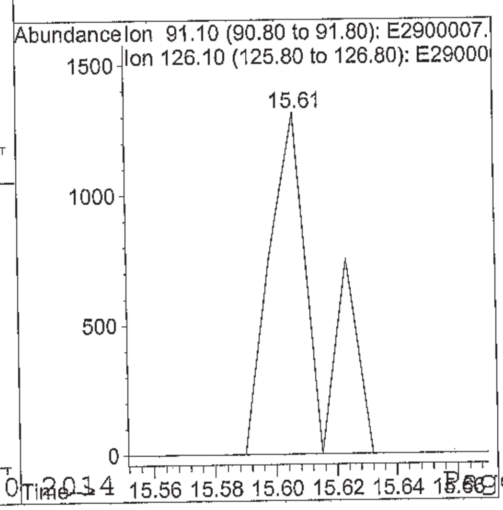




#65
4-Chlorotoluene
Concen: 0.09 ug/L
RT: 15.61 min   Scan# 1395
Delta R.T.   -0.12 min
Lab File: E2900007.D
Acq: 29 May 2014   11:13 am

Tgt Ion: 91 Resp: 1425

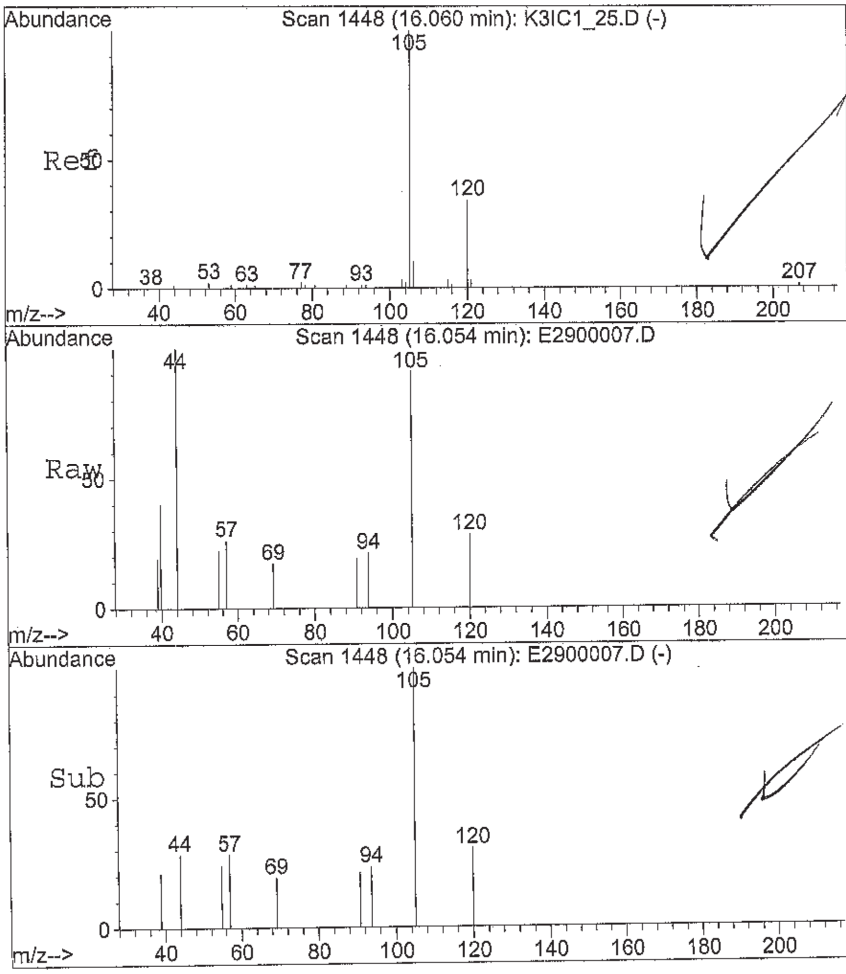
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

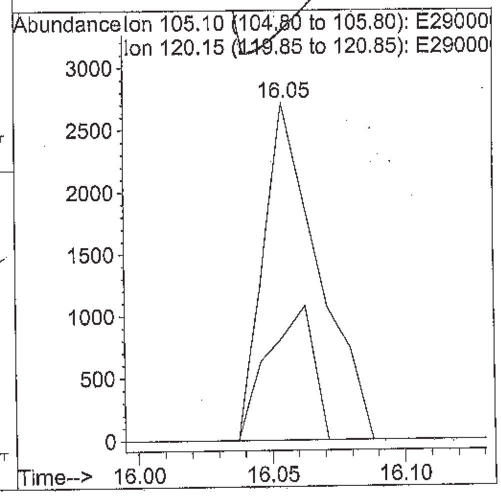


#67
1,2,4-Trimethylbenzene
Concen: 0.22 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion:105 Resp: 3872

Ion	Ratio	Lower	Upper
105	100		
120	33.1	33.8	50.8#

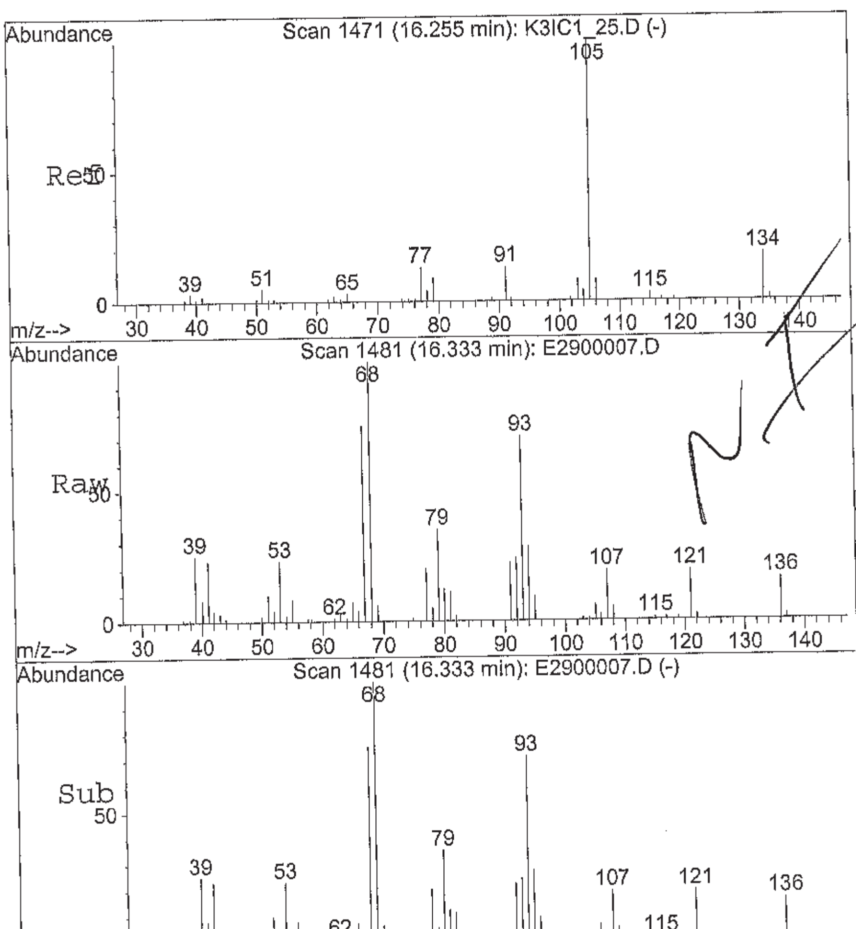


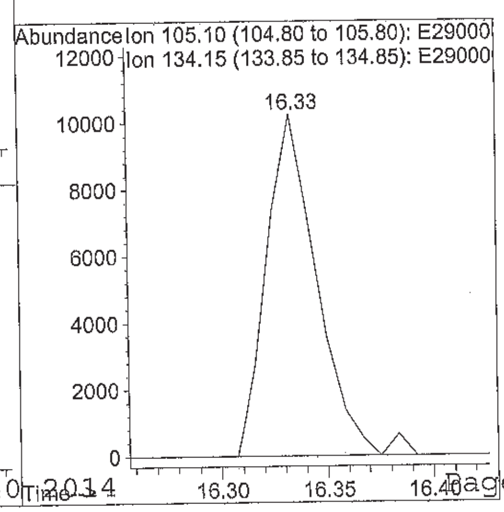


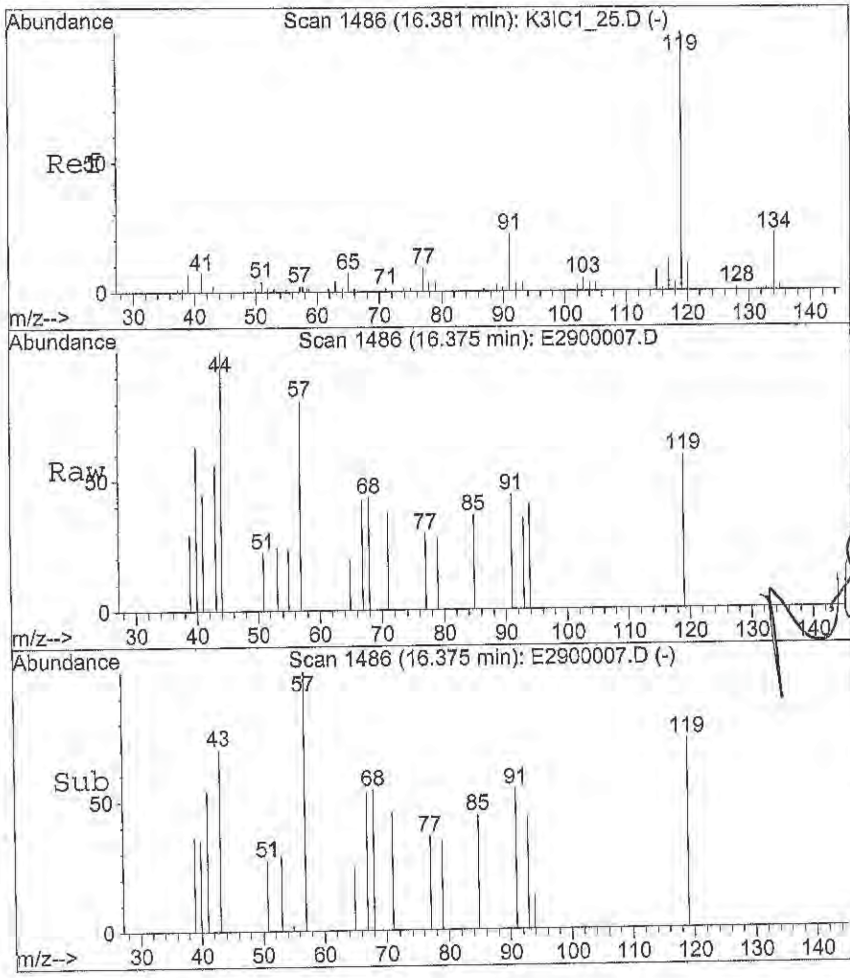
#68
sec-Butylbenzene
Concen: 0.73 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion:105 Resp: 16654

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#



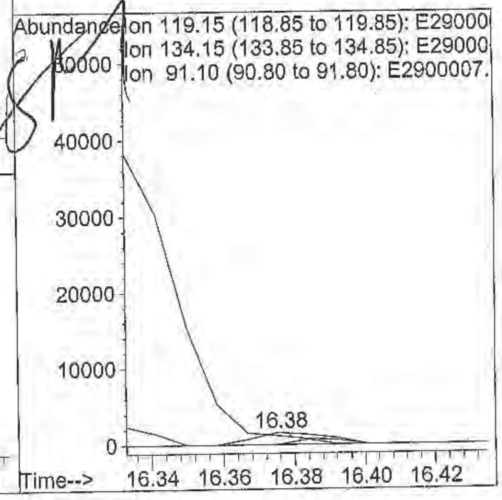




#69
p-Isopropyltoluene
Concen: 0.12 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2900007.D
Acq: 29 May 2014 11:13 am

Tgt Ion:119 Resp: 2184

Ion	Ratio	Lower	Upper
119	100		
134	15.0	17.4	26.2#
91	0.0	19.6	29.4#



Data File : C:\HPCHEM\1\DATA\052914L3\E2900007.D Vial: 6
Acq On : 29 May 2014 11:13 am Operator: DN
Sample : 3E42901-06 Inst : GC/MS Ins
Misc : 100cc SVL-526-SA5D-SV-7.5-8.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:52 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1551642	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1247708	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	679192	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	437808	10.85	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	86.80%		
3) Chloroform-d (SU6)	9.18	84	704166	12.16	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery =	97.28%		
4) Methylene Chloride-d2 (SU5	7.06	86	389124	11.50	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	92.00%		
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	431713	15.65	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	125.20%#		
6) Benzene-d6 (SU7)	9.92	84	1407871	11.56	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	92.48%		
8) Toluene-d8 (SU3)	12.20	98	1362829	11.51	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.08%		
9) 4-Bromofluorobenzene (SU4)	15.23	95	709659	14.52	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	116.16%		

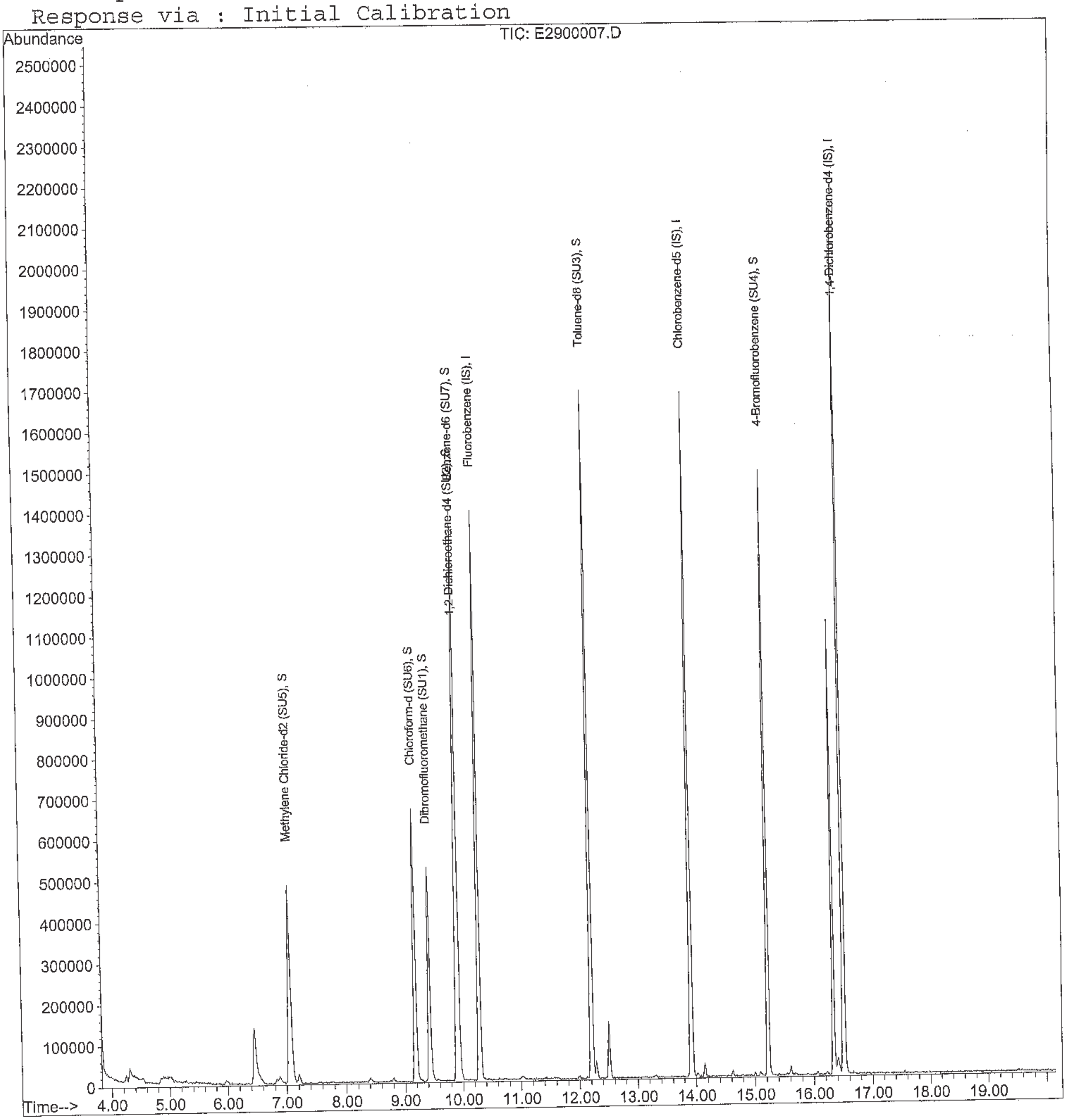
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900007.D   Vial: 6
Acq On : 29 May 2014 11:13 am   Operator: DN
Sample : 3E42901-06   Inst : GC/MS Ins
Misc : 100cc SVL-526-SA5D-SV-7.5-8.5   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 11:52 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\052914L3\E2900008.D          Vial: 7
Acq On    : 29 May 2014  11:42 am                     Operator: DN
Sample    : 3E42901-07                                Inst    : GC/MS Ins
Misc      : 100cc  SVL-530-SA5D-SV-5.0-6.0            Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 12:04 19114              Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1603103	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1279952	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	698801	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	442263	11.06	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	88.48%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	431768	11.36	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.88%		
39) Toluene-d8 (SU3)	12.20	98	1402626	11.75	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	94.00%		
58) 4-Bromofluorobenzene (SU4)	15.23	95	702303	13.42	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	107.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.40	50	2526	-0.28	~~ug/L~~ #	41
6) Bromomethane	5.09	96	333	-1.59	~~ug/L~~ #	1
7) Chloroethane	5.20	64	1371	1.71	~~ug/L~~	93
11) Acetone	6.47	58	2322	180.01	~~ug/L~~ #	47
12) (IPA) Leak Check Compound	6.46	45	259542	1347.32	~~ug/L~~ #	83
13) Carbon disulfide	6.82	76	339	0.03	~~ug/L~~ #	76
14) Methylene Chloride	7.05	84	6217	1.41	~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.13	59	970	3.55	~~ug/L~~ #	77
20) 2,2-Dichloropropane	8.90	77	269	0.04	~~ug/L~~ #	36
22) (DIPE) Diisopropyl Ether	8.01	45	301	0.02	~~ug/L~~ #	48
24) Chloroform	9.20	83	2201	0.26	~~ug/L~~ #	18
31) Benzene	9.97	78	392	0.03	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.92	62	6837	1.28	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7219	2.83	~~ug/L~~ #	100
41) Toluene	12.29	91	2908	0.17	ug/L #0.0034	55
46) 2-Hexanone	12.81	43	317	0.11	~~ug/L~~ #	37
51) Ethylbenzene	14.15	91	2819	0.14	~~ug/L~~	99
52) m,p-Xylenes	14.15	106	815	0.12	ug/L 0.0024	23
54) Styrene	14.64	104	1516	-0.72	~~ug/L~~ #	52
56) Isopropylbenzene	15.24	105	817	0.04	~~ug/L~~ #	1
62) n-Propylbenzene	15.60	91	262	0.01	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.60	91	262	0.02	~~ug/L~~ #	45

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900008.D Vial: 7
Acq On : 29 May 2014 11:42 am Operator: DN
Sample : 3E42901-07 Inst : GC/MS Ins
Misc : 100cc SVL-530-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 12:04 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65)	4-Chlorotoluene	15.60	91	262	0.02 ~~ug/L #~~ DN	44
67)	1,2,4-Trimethylbenzene	16.06	105	343	0.02 ~~ug/L~~ #	33
68)	sec-Butylbenzene	16.33	105	10905	0.46 ~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	2011	0.11 ~~ug/L~~ #	52

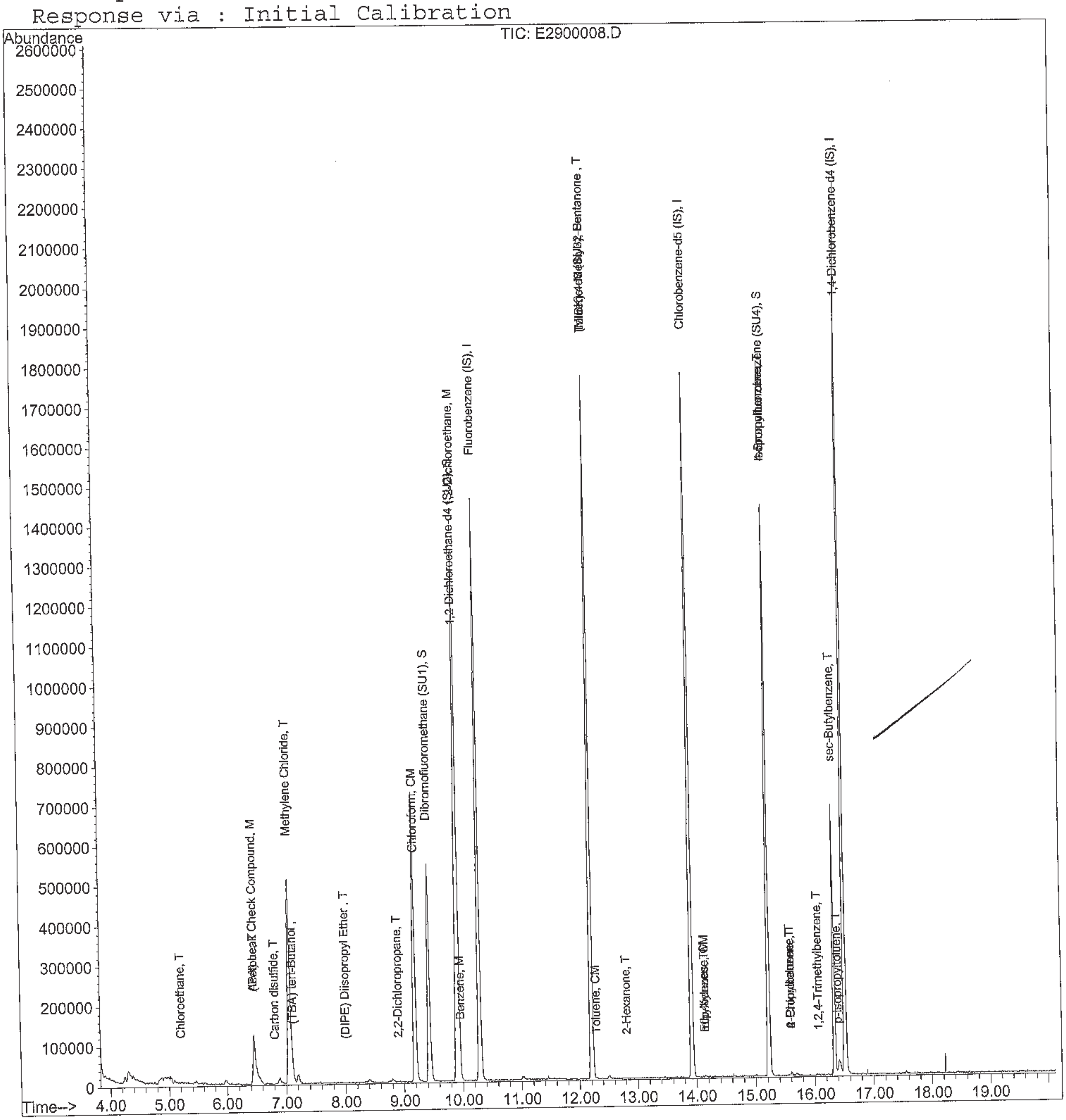
(#) = qualifier out of range (m) = manual integration

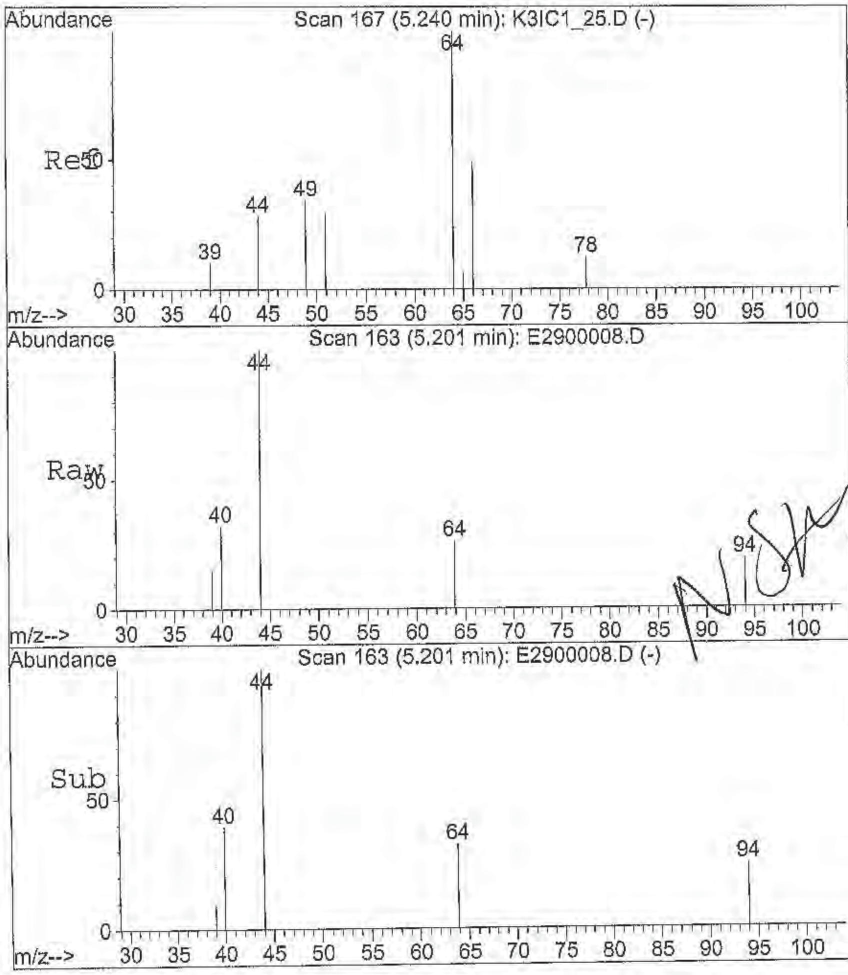
Data File : C:\HPCHEM\1\DATA\052914L3\E2900008.D
Acq On : 29 May 2014 11:42 am
Sample : 3E42901-07
Misc : 100cc SVL-530-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 29 12:04 19114

Vial: 7
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

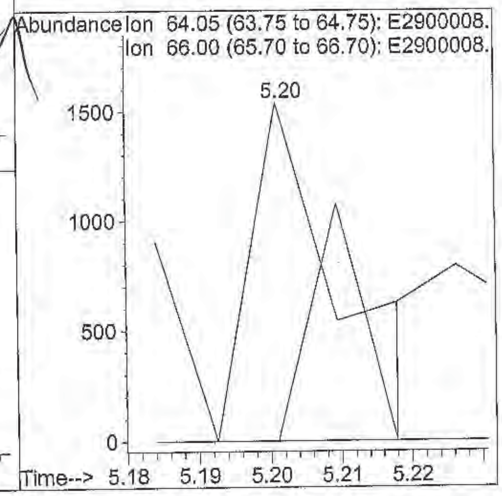


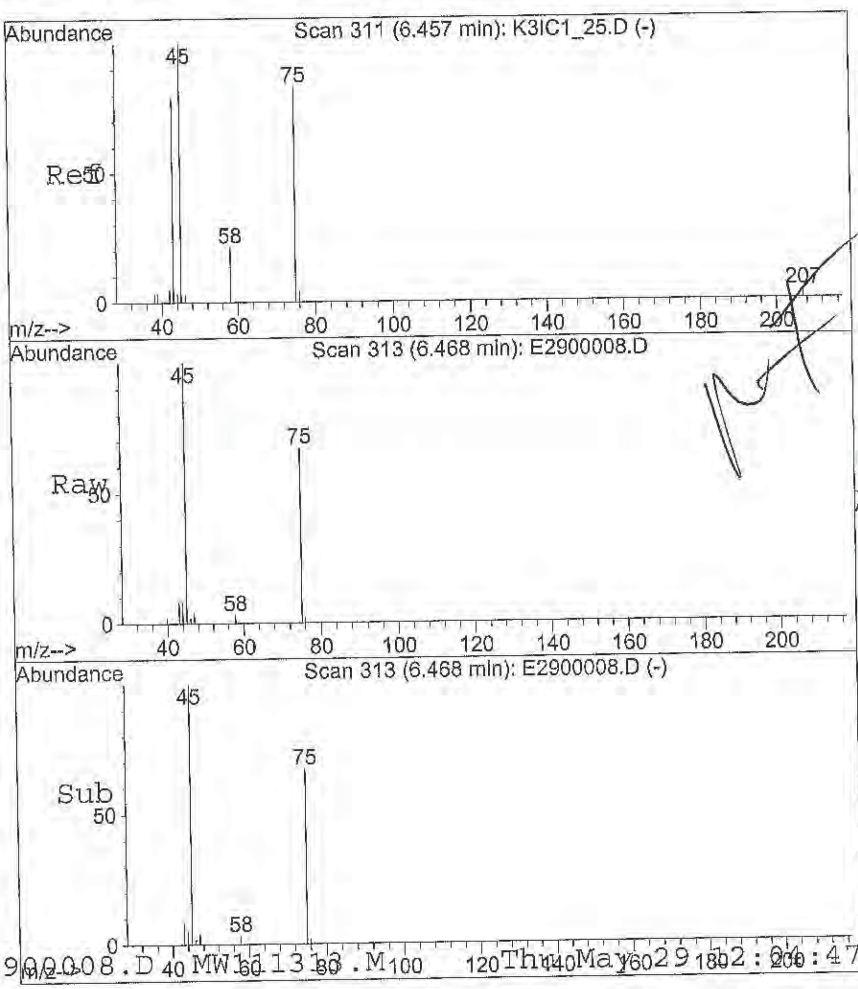


#7
Chloroethane
Concen: 1.71 ug/L
RT: 5.20 min Scan# 163
Delta R.T. -0.04 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 64 Resp: 1371

Ion	Ratio	Lower	Upper
64	100		
66	39.7	35.4	53.0

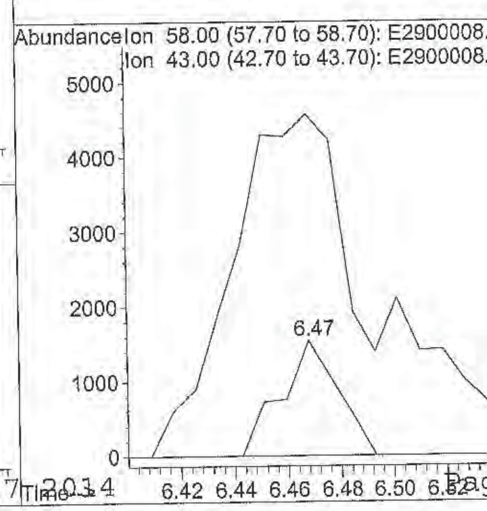


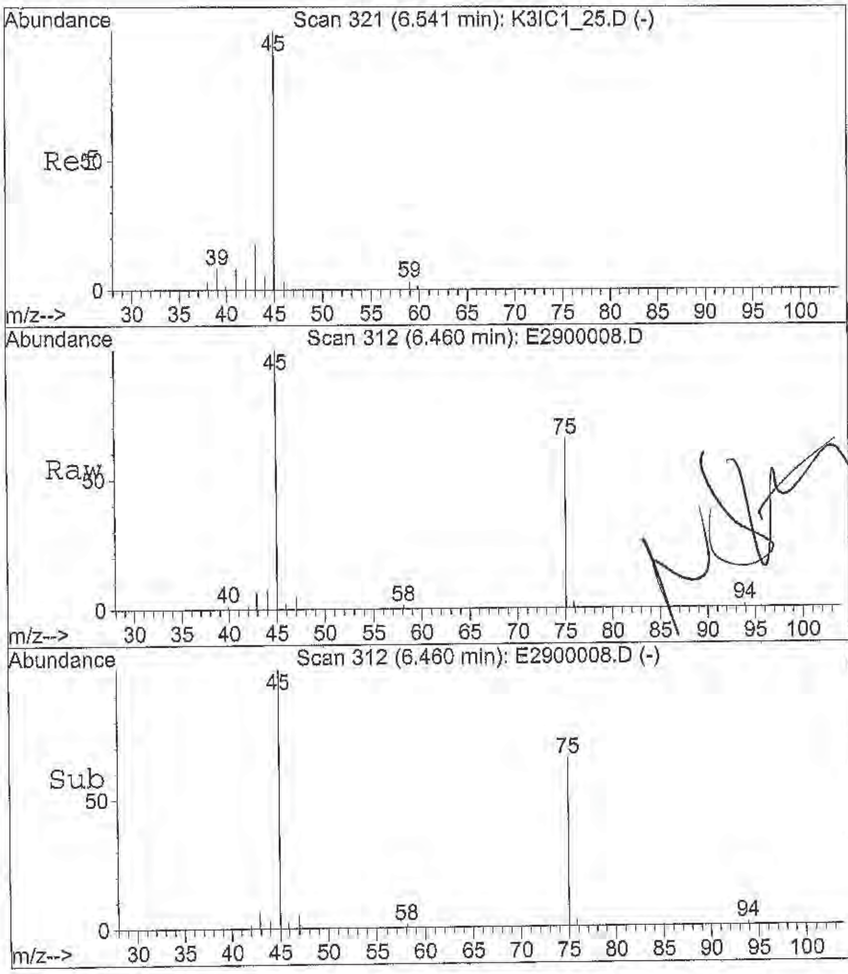


#11
Acetone
Concen: 180.01 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 58 Resp: 2322

Ion	Ratio	Lower	Upper
58	100		
43	587.3	360.9	541.3#

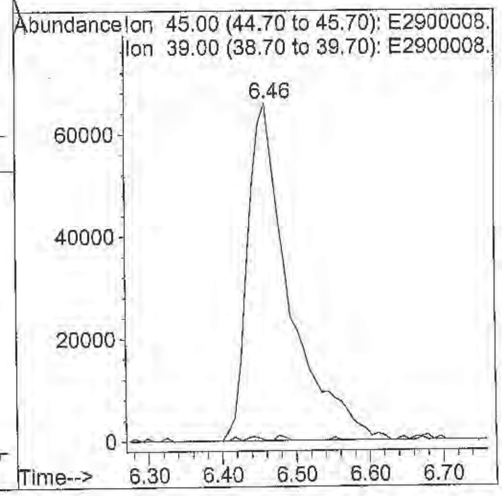


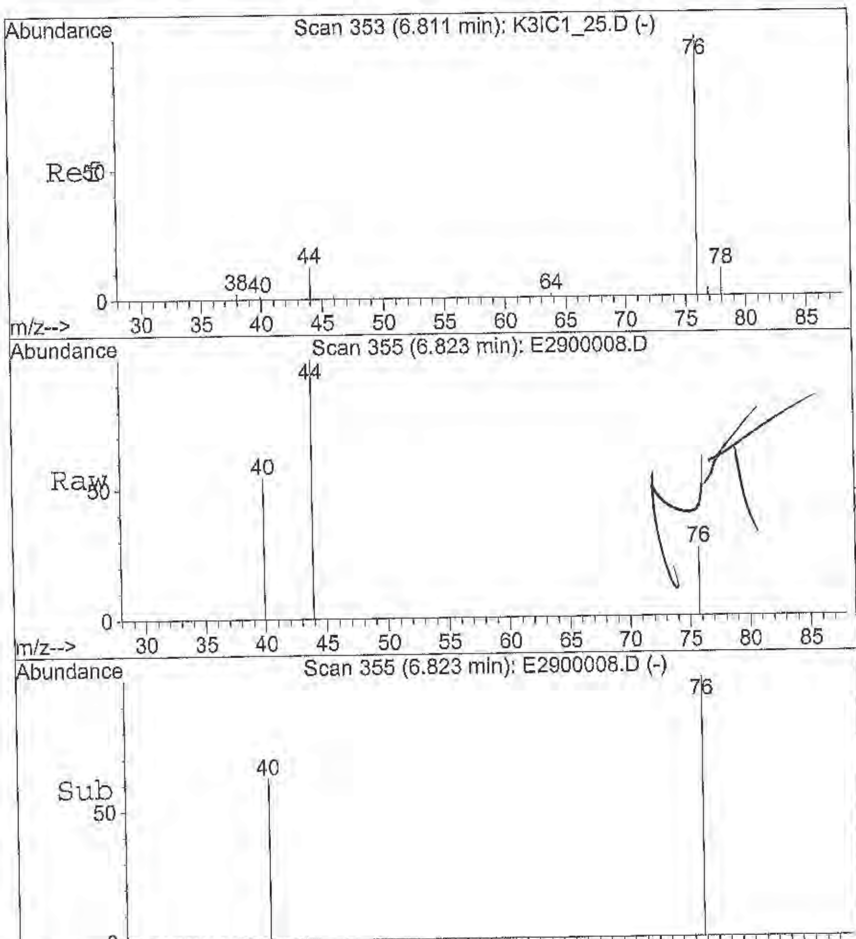


#12
(IPA) Leak Check Compound
Concen: 1347.32 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 45 Resp: 259542

Ion	Ratio	Lower	Upper
45	100		
39	0.4	4.9	7.3#

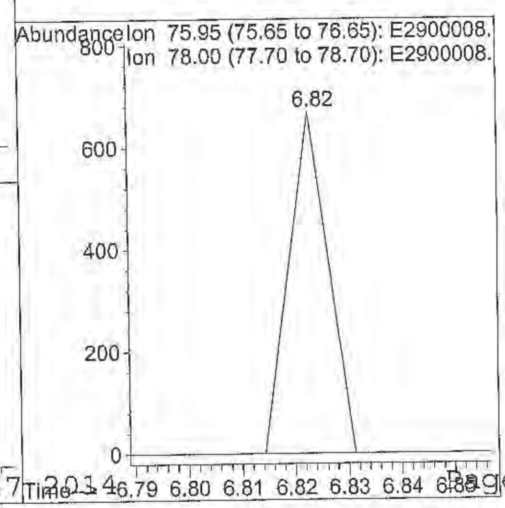


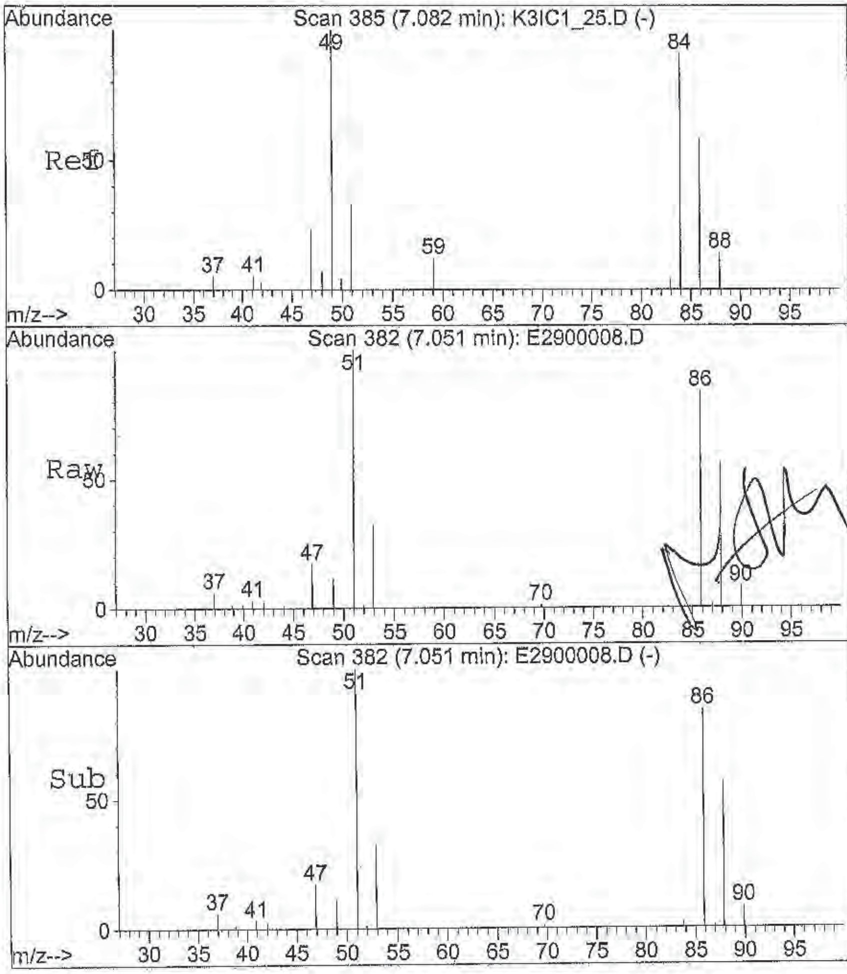


#13
Carbon disulfide
Concen: 0.03 ug/L
RT: 6.82 min Scan# 355
Delta R.T. 0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 76 Resp: 339

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

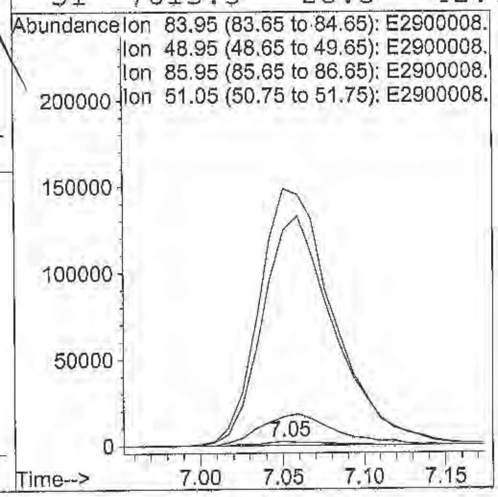


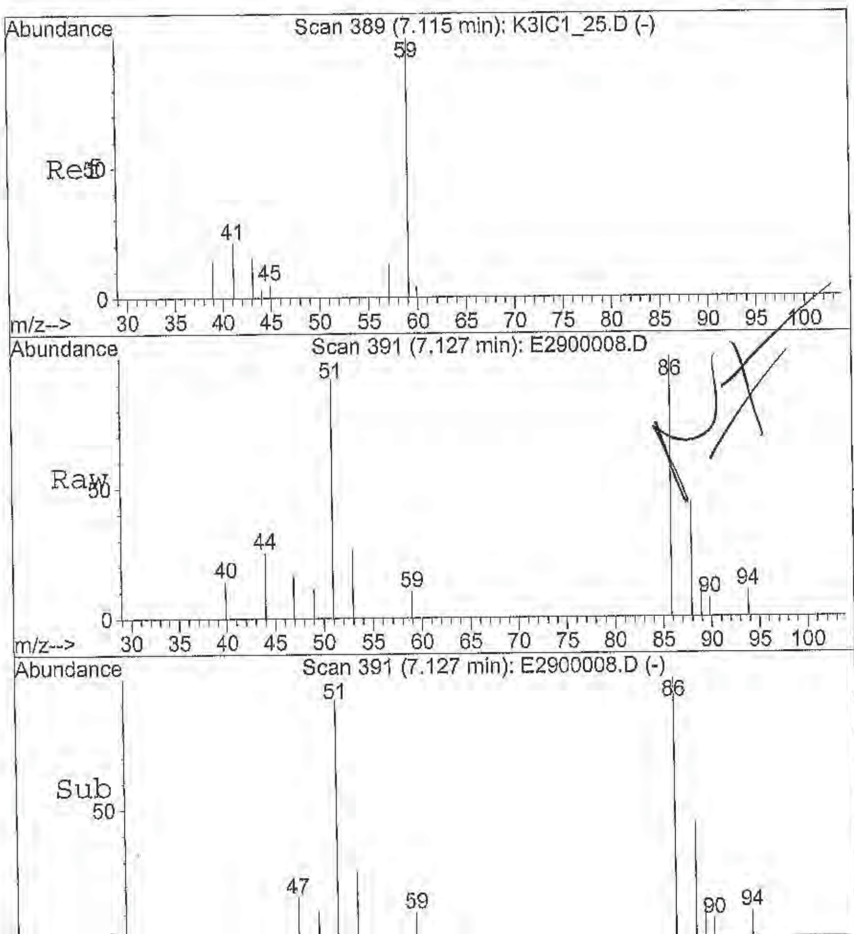


#14
Methylene Chloride
Concen: 1.41 ug/L
RT: 7.05 min Scan# 382
Delta R.T. -0.03 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 84 Resp: 6217

Ion	Ratio	Lower	Upper
84	100		
49	922.7	89.8	134.6#
86	6583.7	51.1	76.7#
51	7615.3	28.5	42.7#

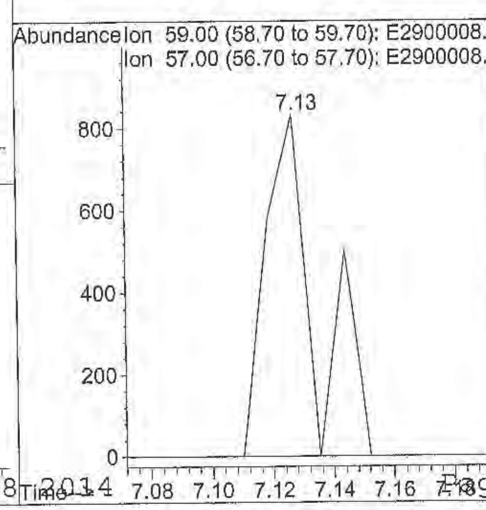


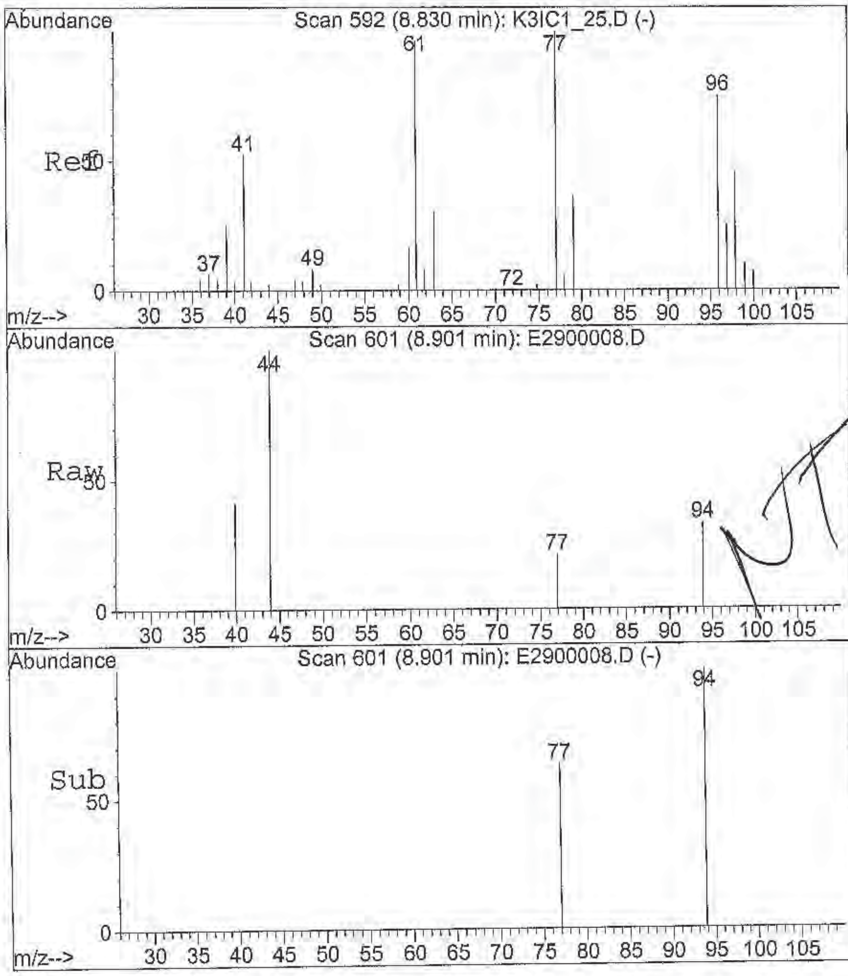


#15
(TBA) tert-Butanol
Concen: 3.55 ug/L
RT: 7.13 min Scan# 391
Delta R.T. 0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 59 Resp: 970

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#



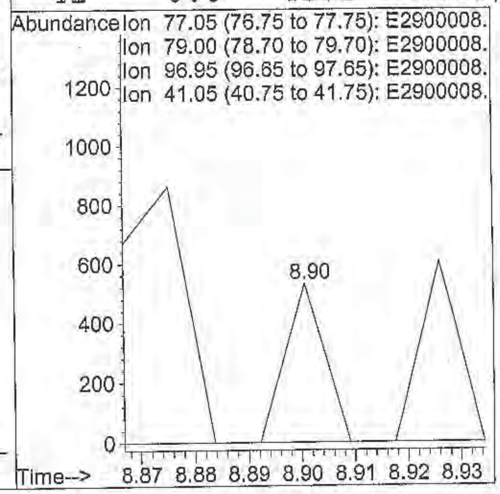


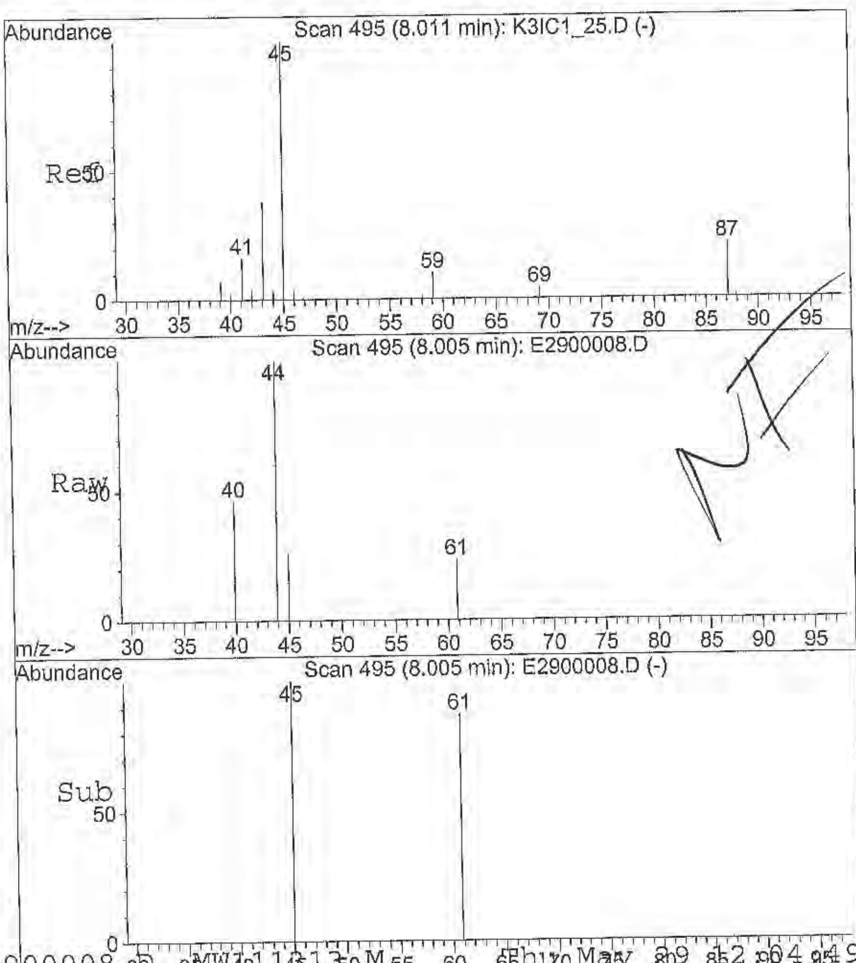
#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.90 min Scan# 601
Delta R.T. 0.07 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 77 Resp: 269

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

NJT



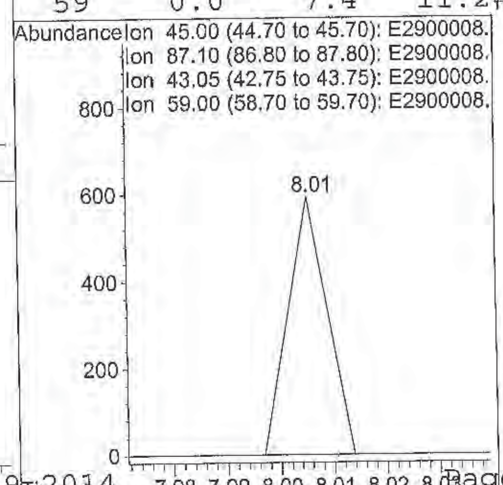


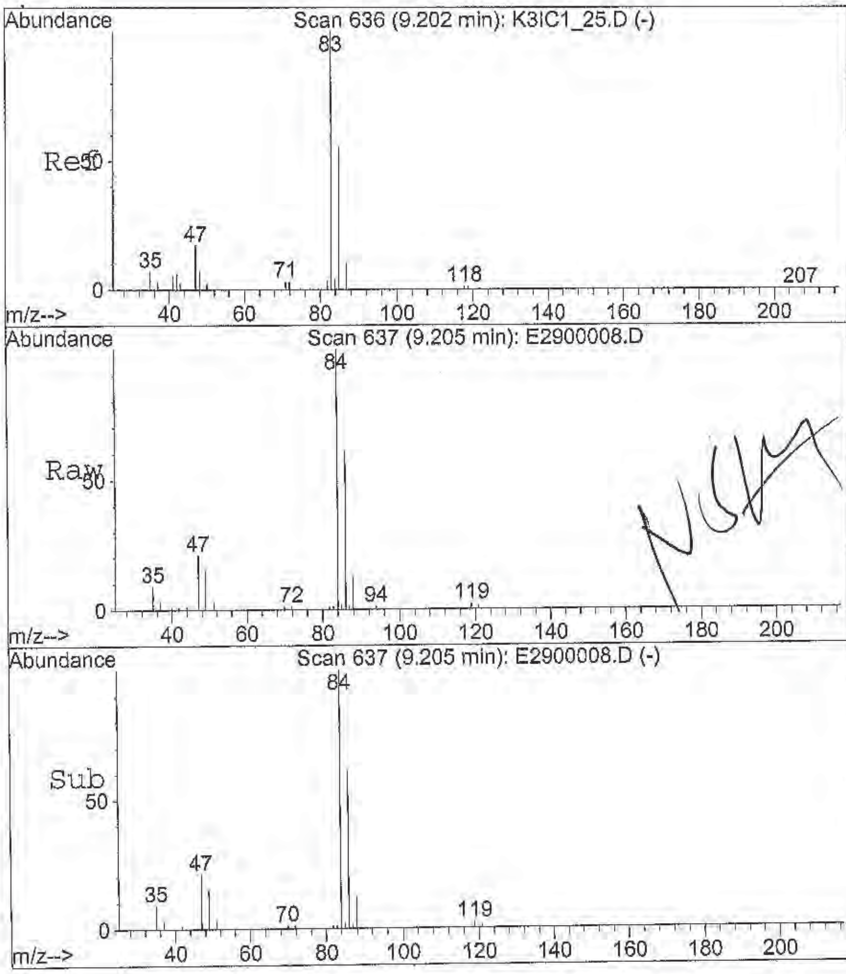
#22
(DIPE) Diisopropyl Ether
Concen: 0.02 ug/L
RT: 8.01 min Scan# 495
Delta R.T. -0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 45 Resp: 301

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

NJT

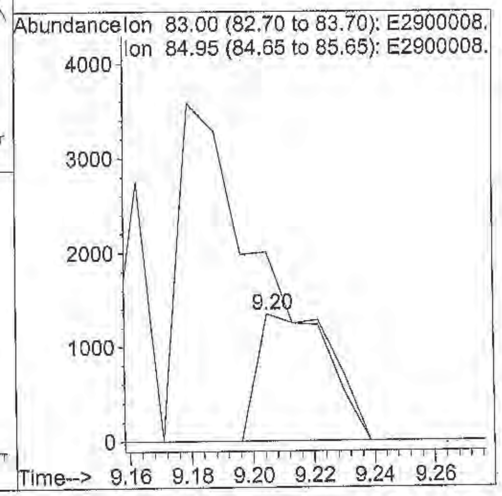


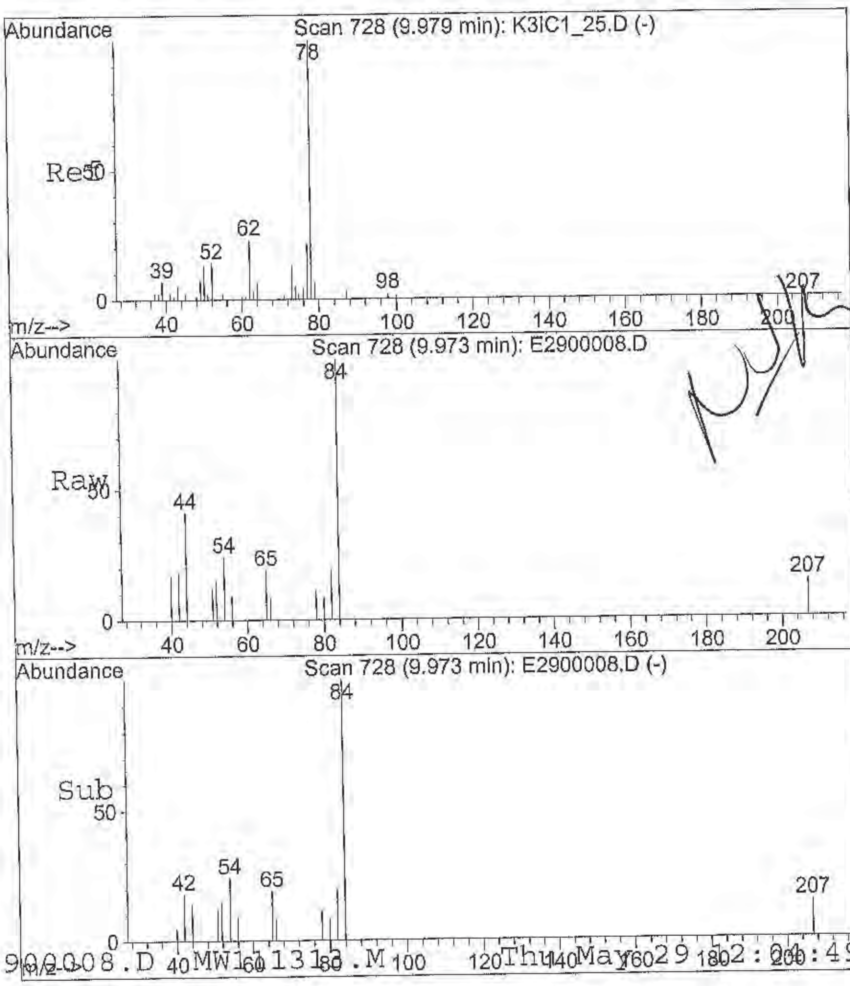


#24
Chloroform
Concen: 0.26 ug/L
RT: 9.20 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 83 Resp: 2201

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

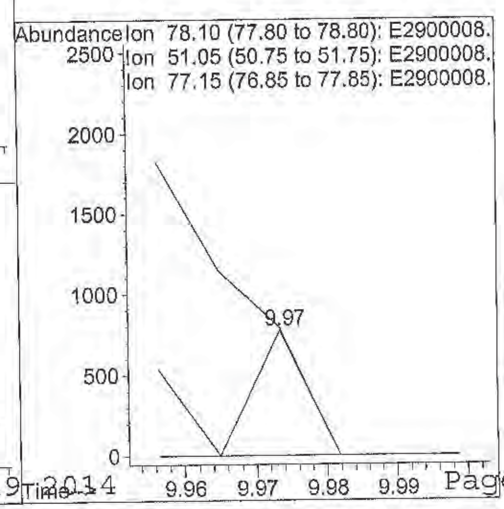


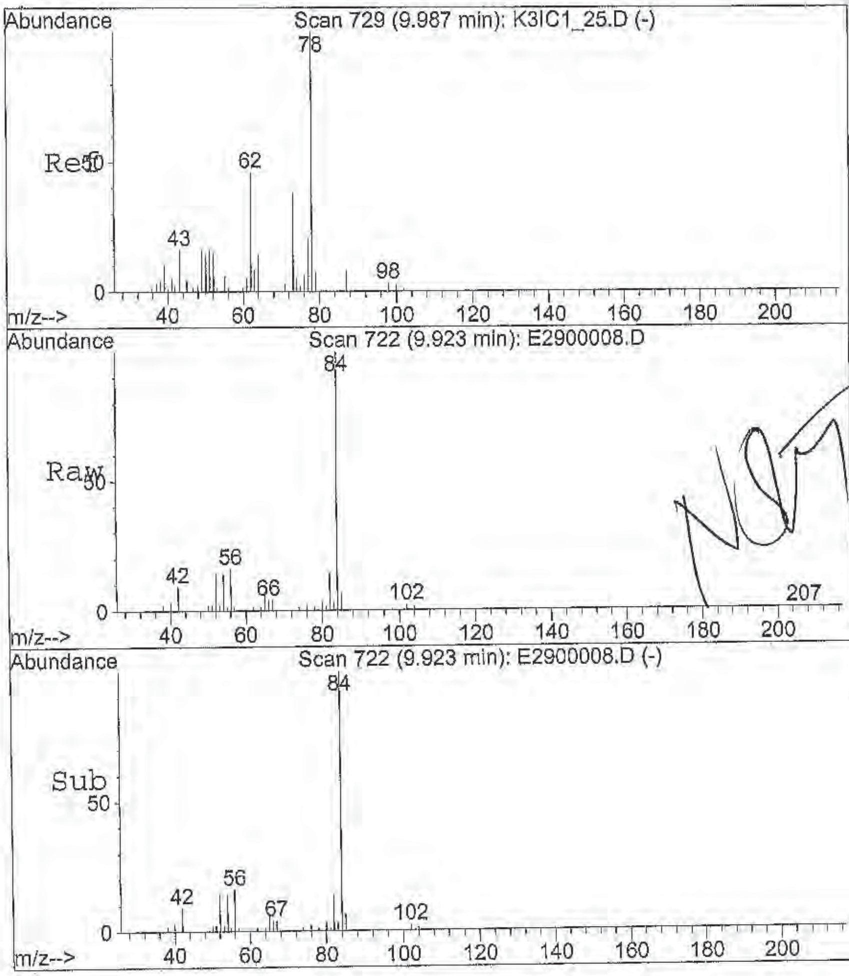


#31
Benzene
Concen: 0.03 ug/L
RT: 9.97 min Scan# 728
Delta R.T. -0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 78 Resp: 392

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

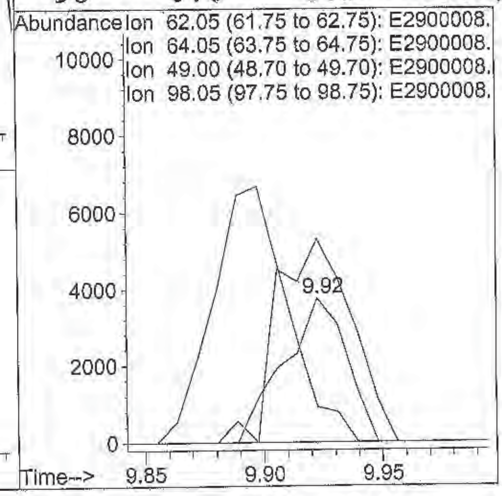


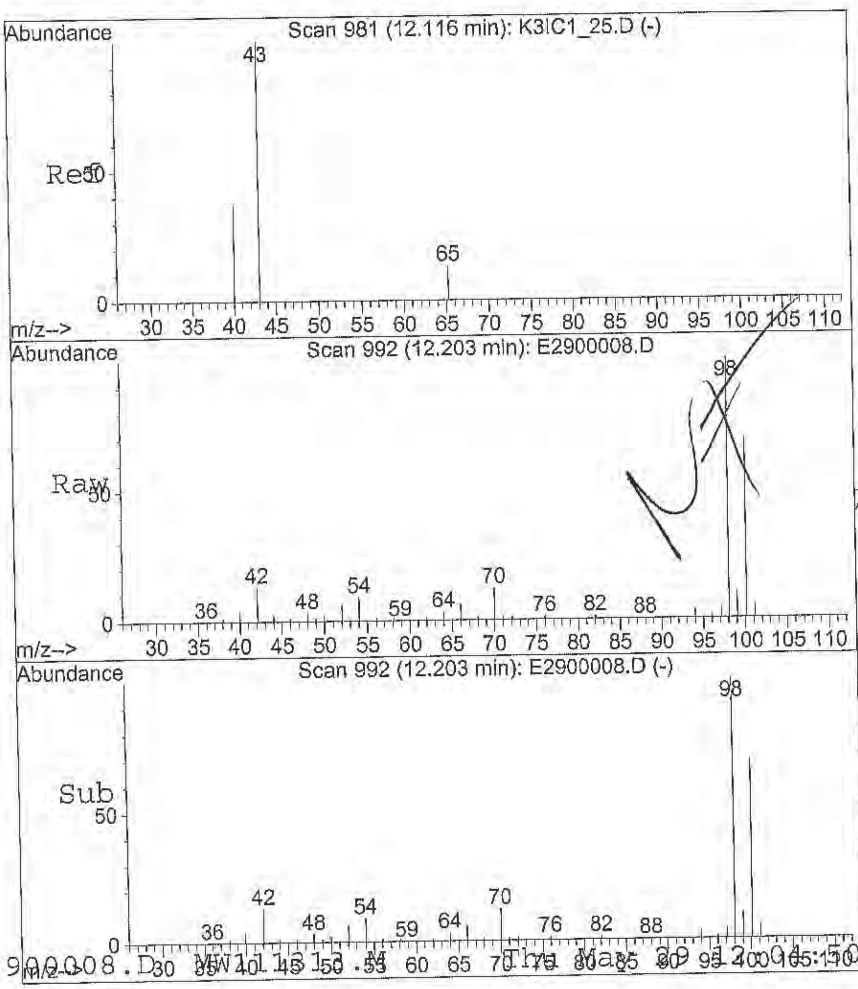


#32
1,2-Dichloroethane
Concen: 1.28 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 62 Resp: 6837

Ion	Ratio	Lower	Upper
62	100		
64	164.8	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

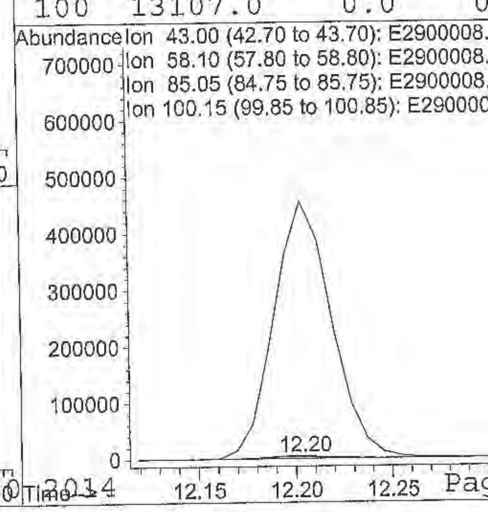


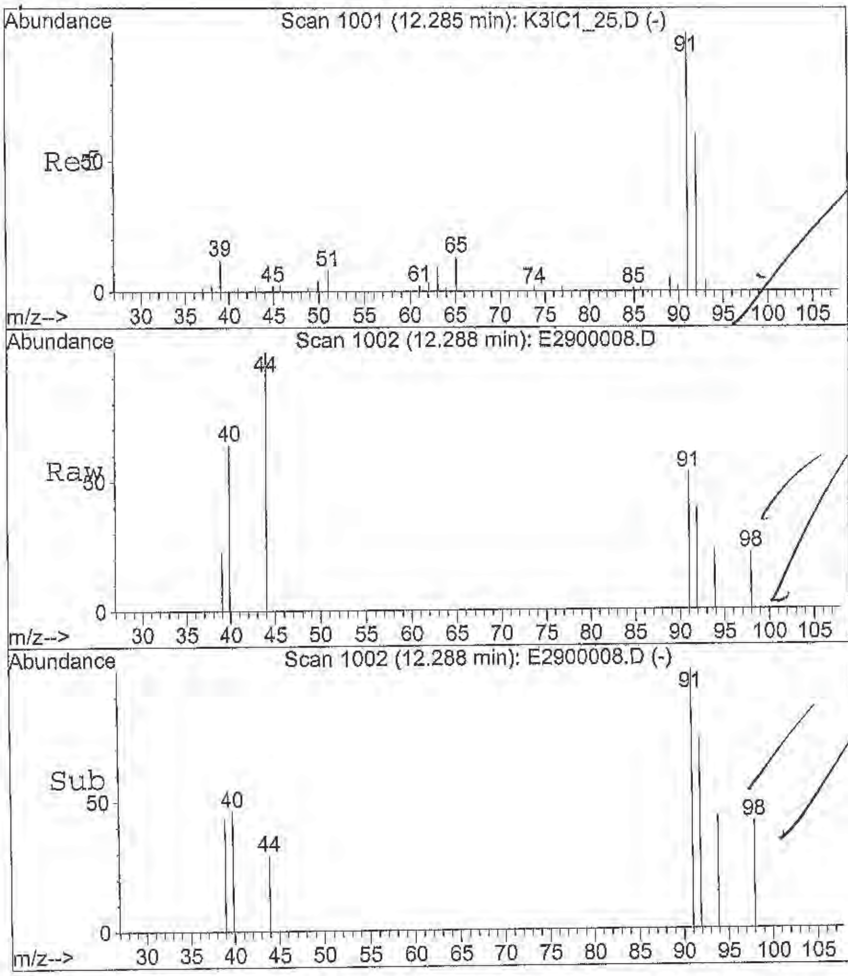


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.83 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 43 Resp: 7219

Ion	Ratio	Lower	Upper
43	100		
58	131.5	0.0	0.0#
85	0.0	0.0	0.0
100	13107.0	0.0	0.0#

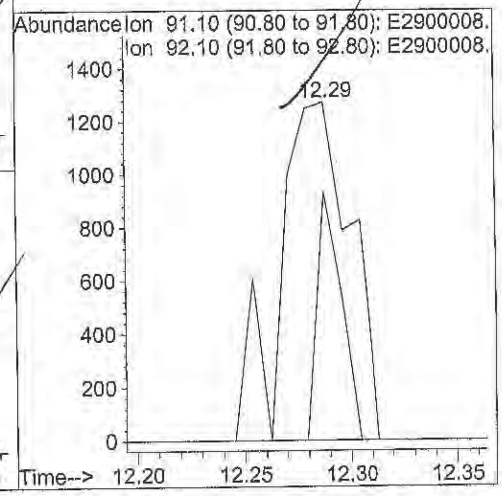


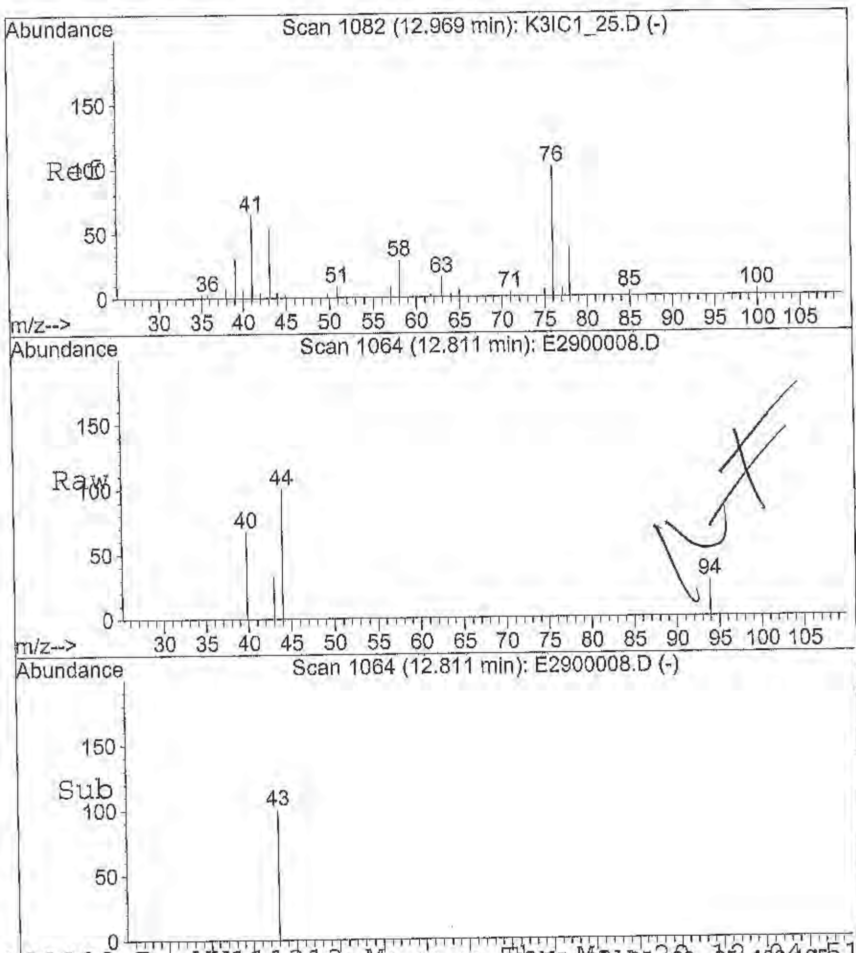


#41
Toluene
Concen: 0.17 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 91 Resp: 2908

Ion	Ratio	Lower	Upper
91	100		
92	25.3	47.4	71.0#

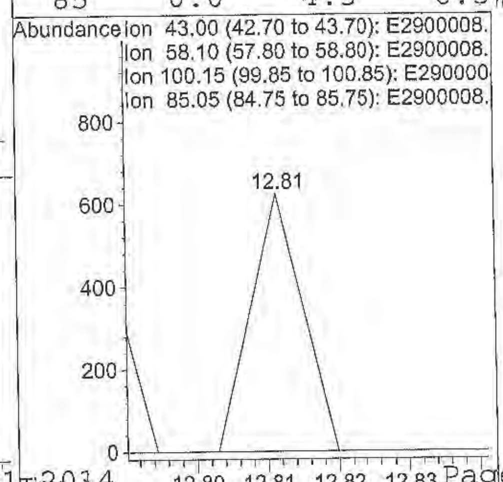


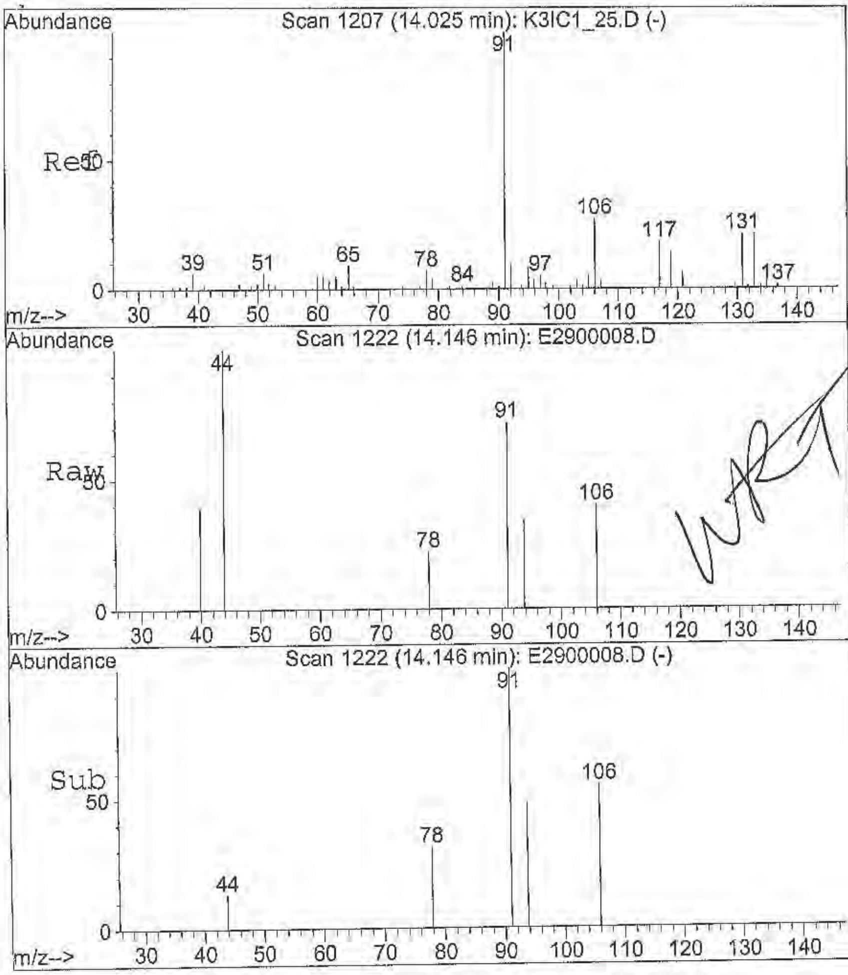


#46
2-Hexanone
Concen: 0.11 ug/L
RT: 12.81 min Scan# 1064
Delta R.T. -0.16 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 43 Resp: 317

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

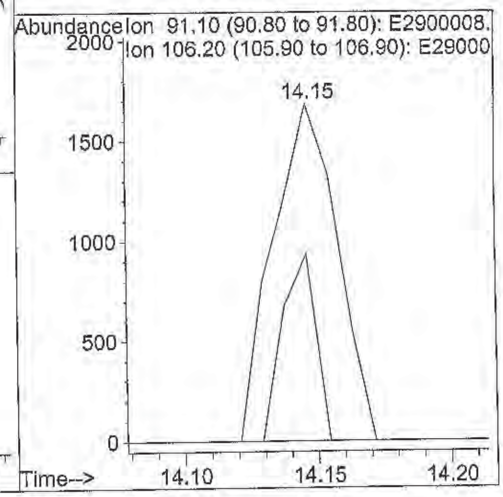


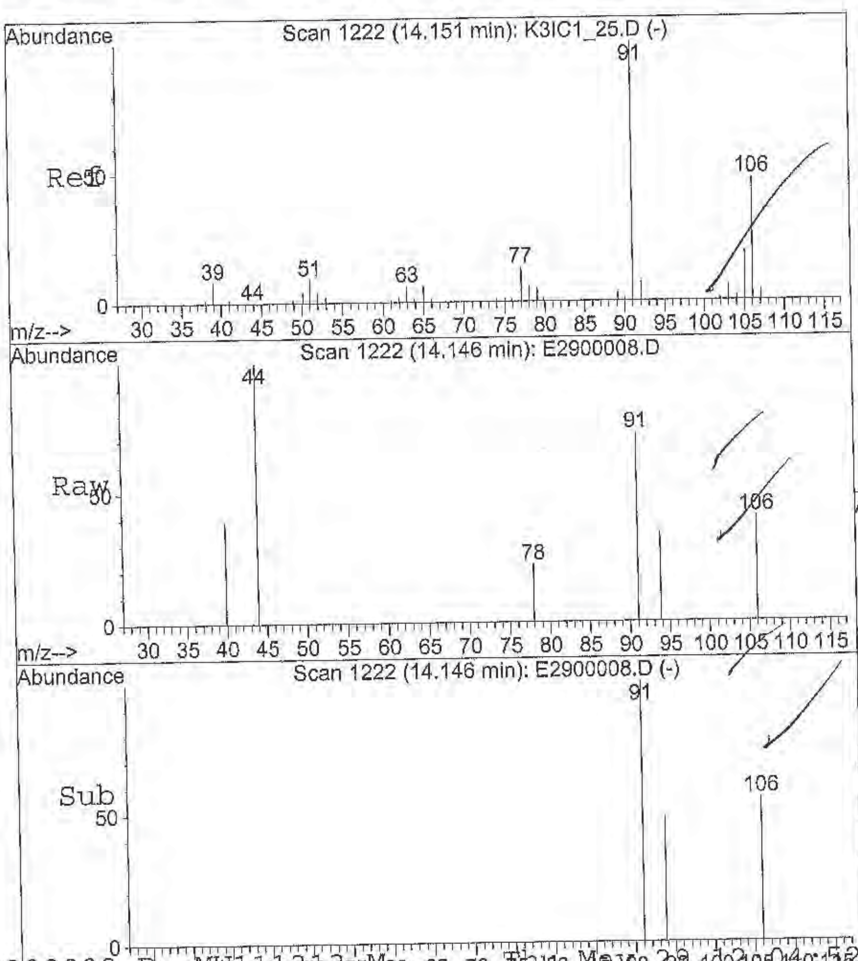


#51
Ethylbenzene
Concen: 0.14 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. 0.12 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 91 Resp: 2819

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.5	35.3

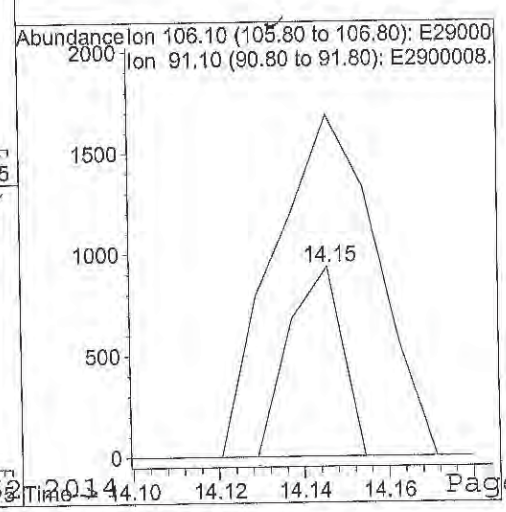


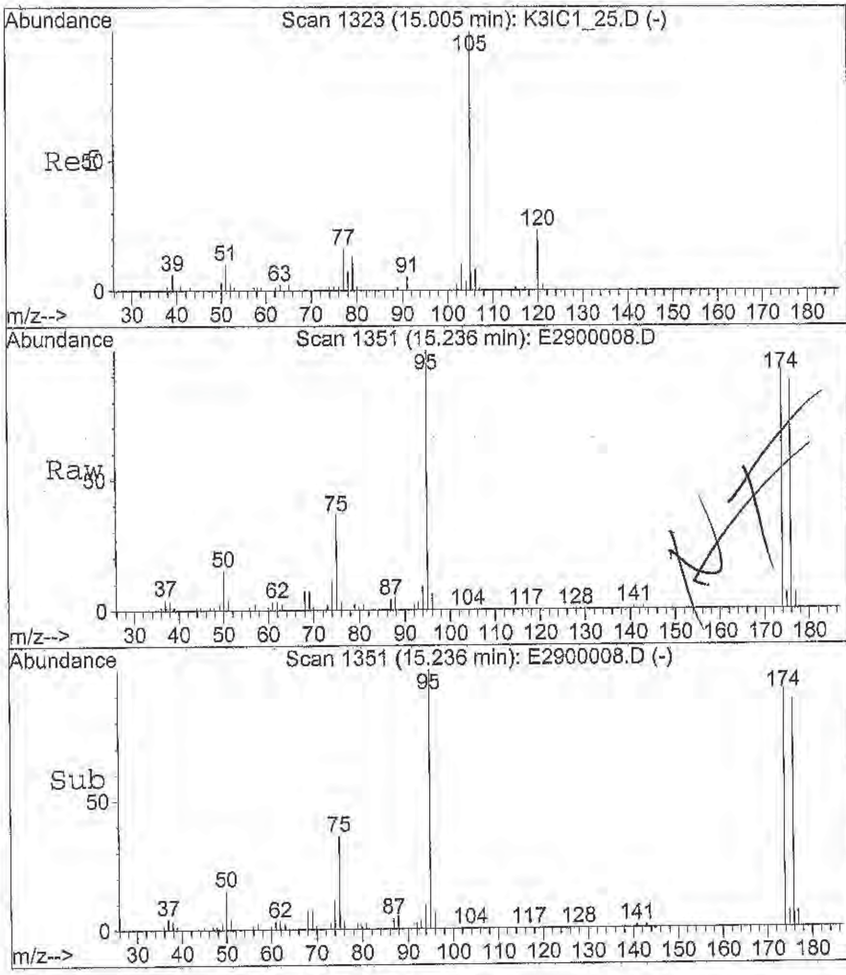


#52
m,p-Xylenes
Concen: 0.12 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion:106 Resp: 815

Ion	Ratio	Lower	Upper
106	100		
91	345.9	177.1	265.7#

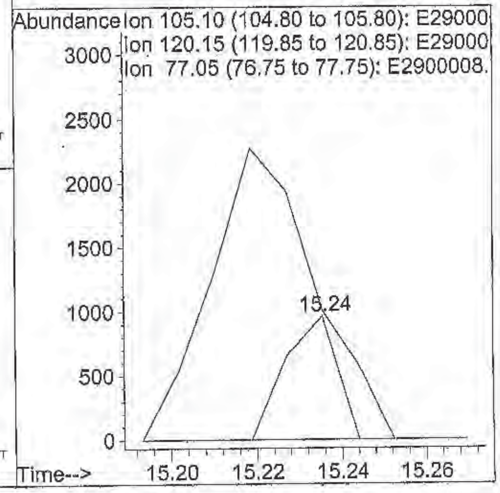


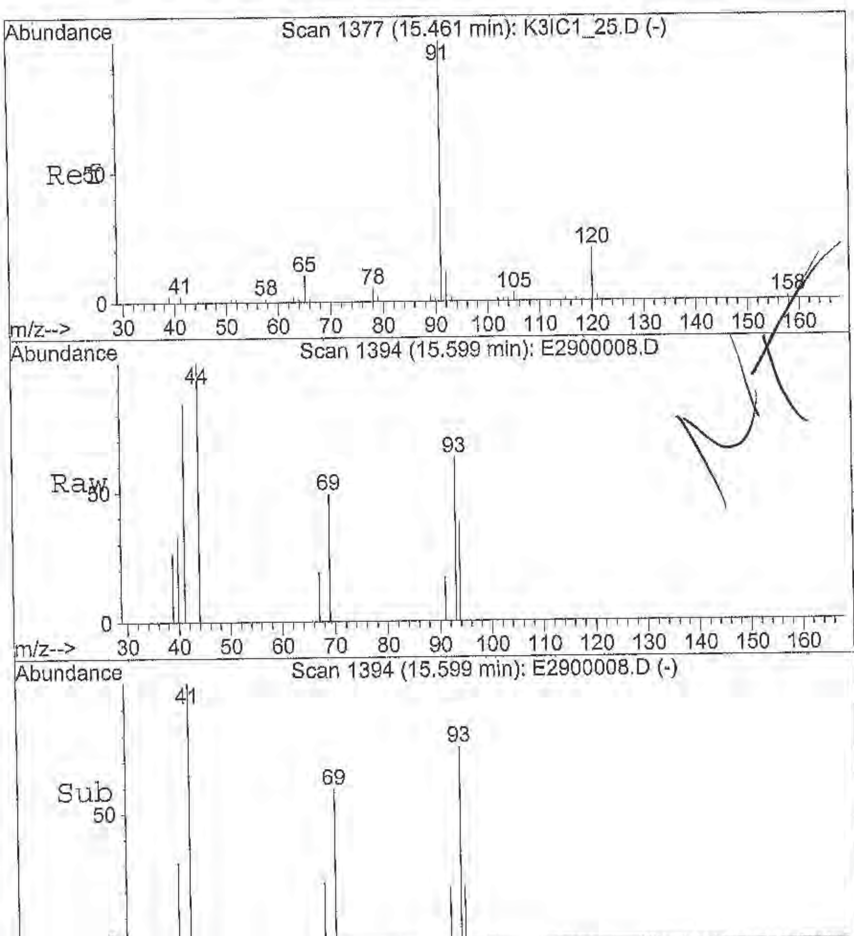


#56
Isopropylbenzene
Concen: 0.04 ug/L
RT: 15.24 min Scan# 1351
Delta R.T. 0.23 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion:105 Resp: 817

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	472.9	13.1	19.7#

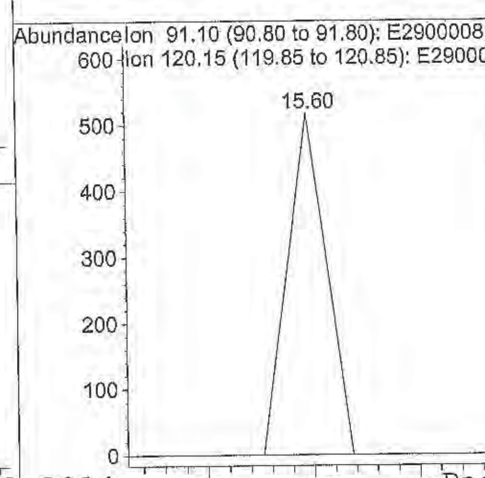


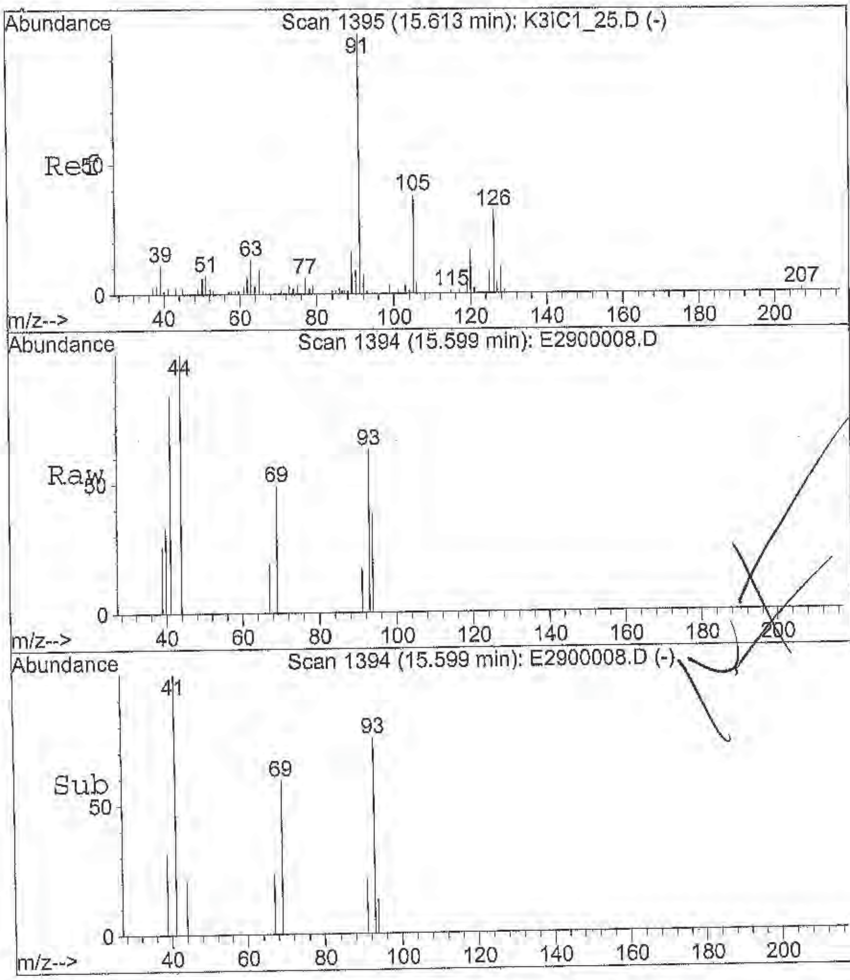


#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. 0.14 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 91 Resp: 262

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

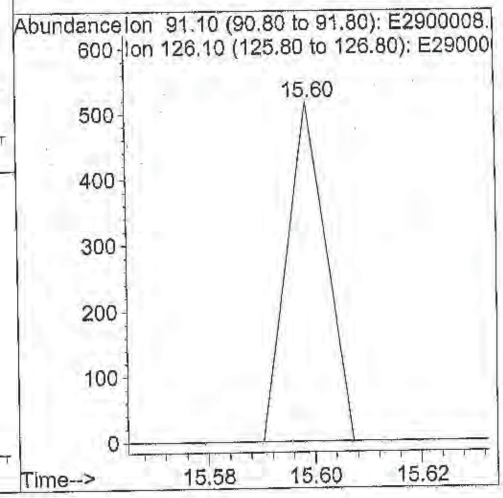


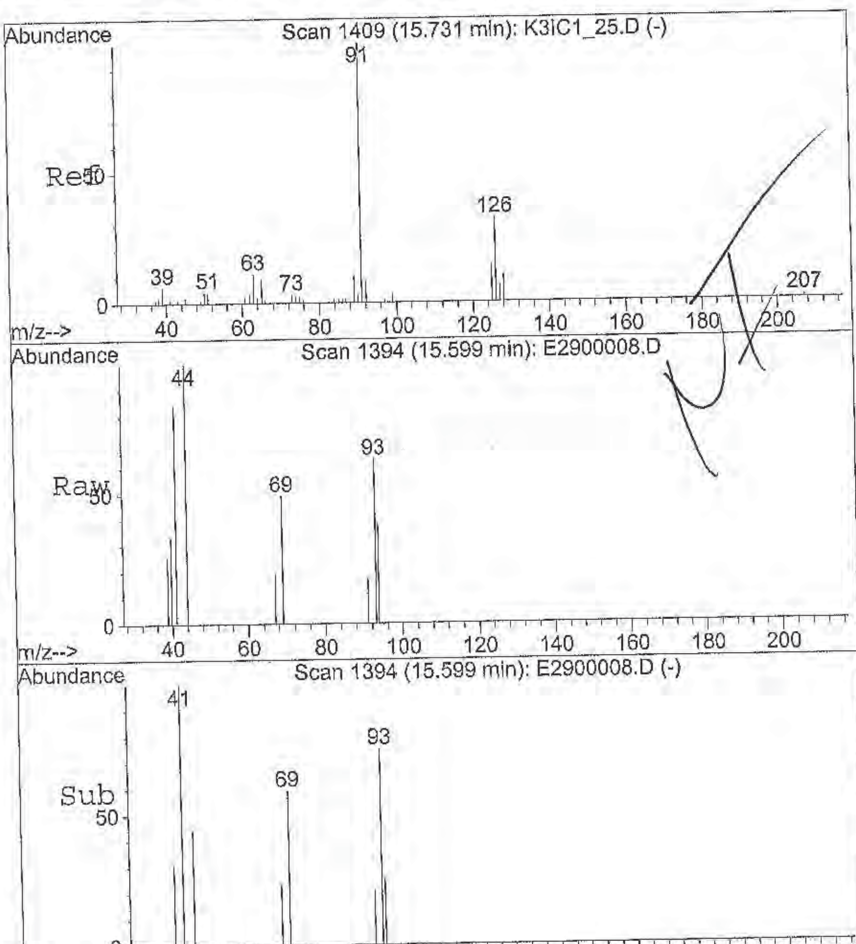


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 91 Resp: 262

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

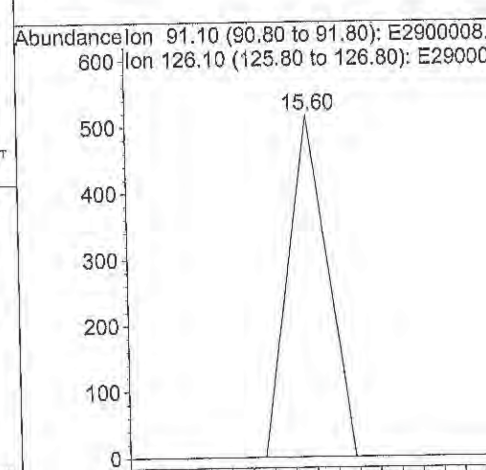


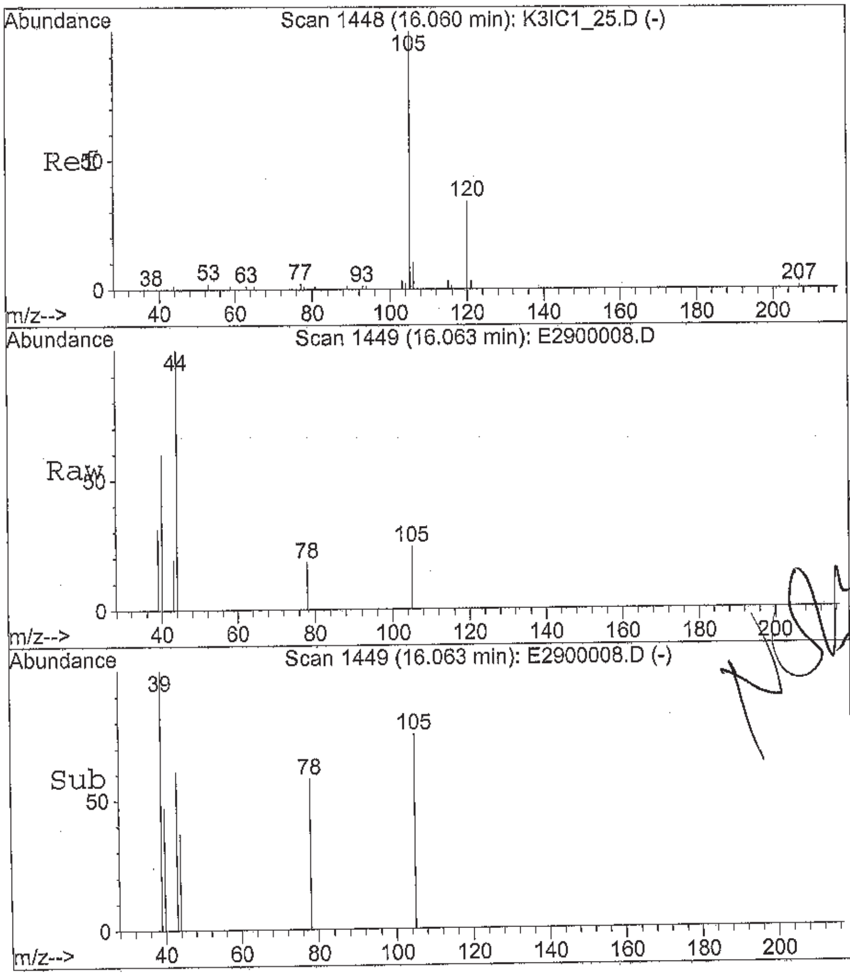


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.13 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion: 91 Resp: 262

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

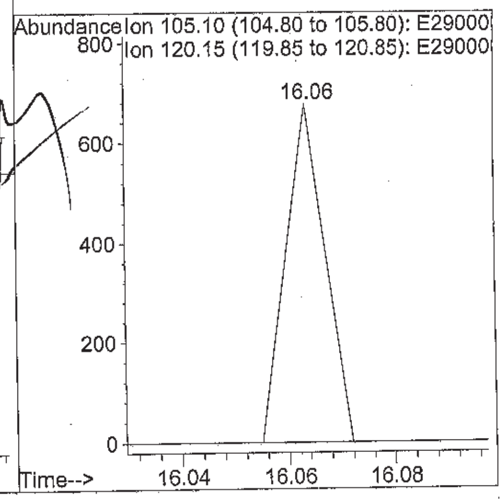


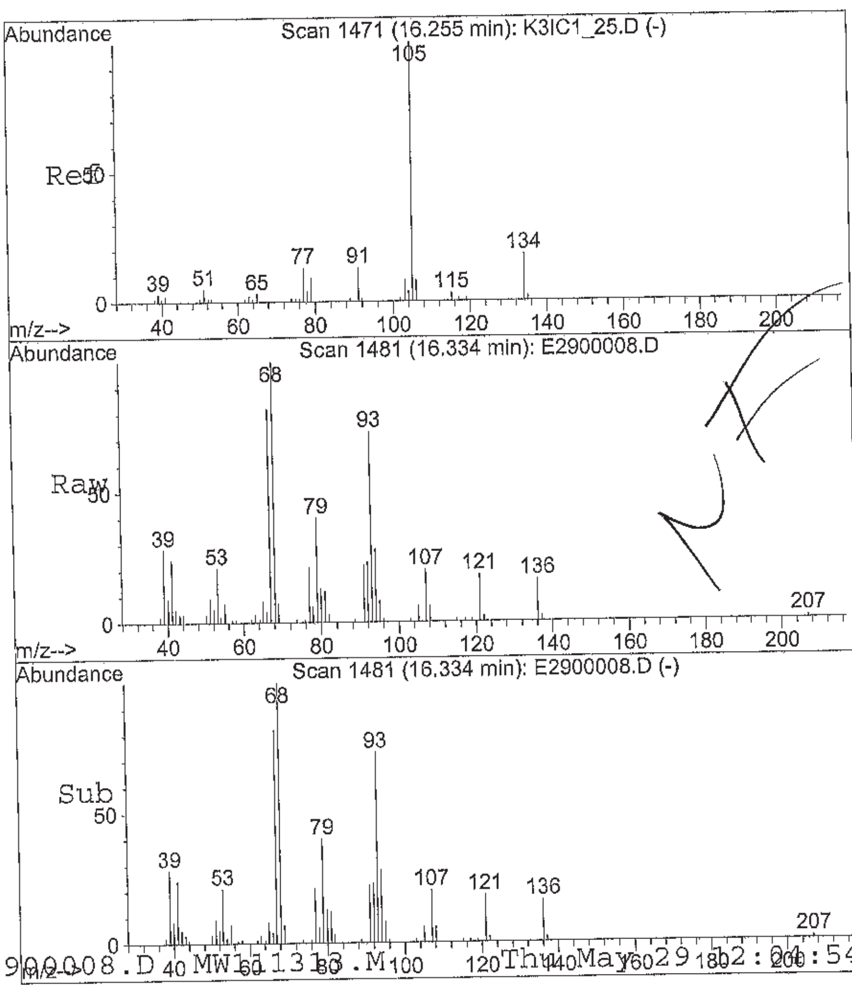


#67
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion:105 Resp: 343

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

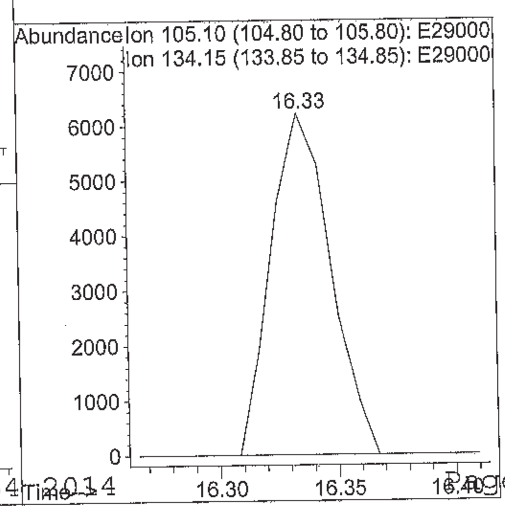


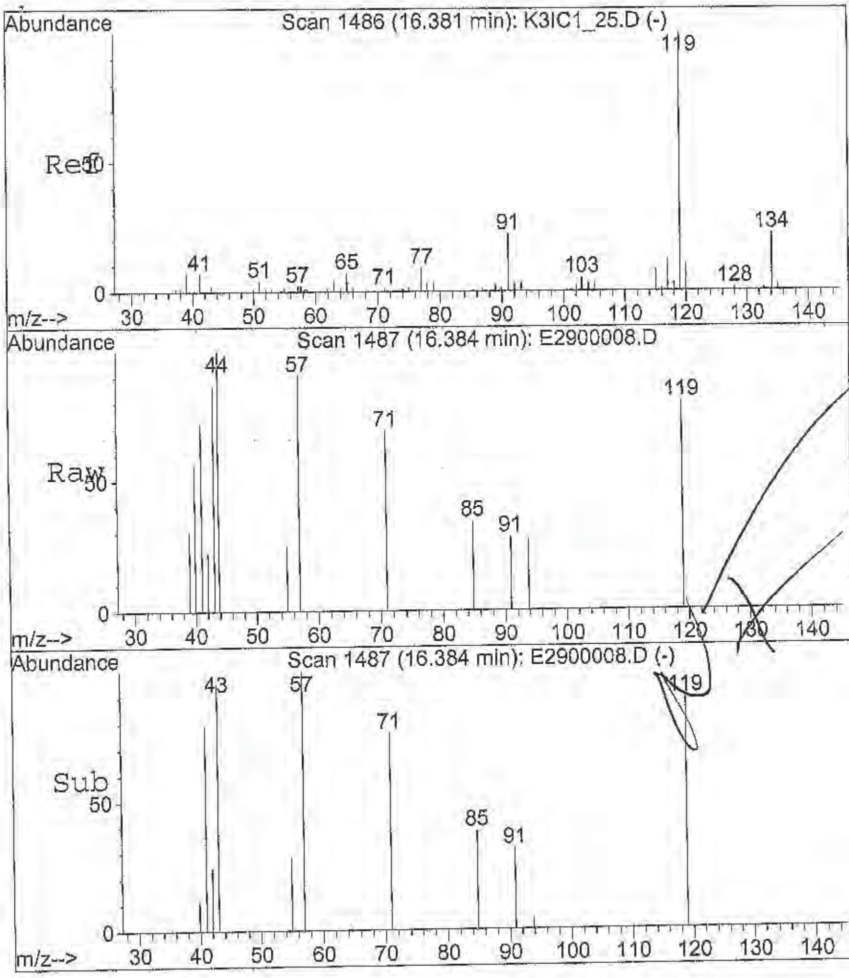


#68
sec-Butylbenzene
Concen: 0.46 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion:105 Resp: 10905

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

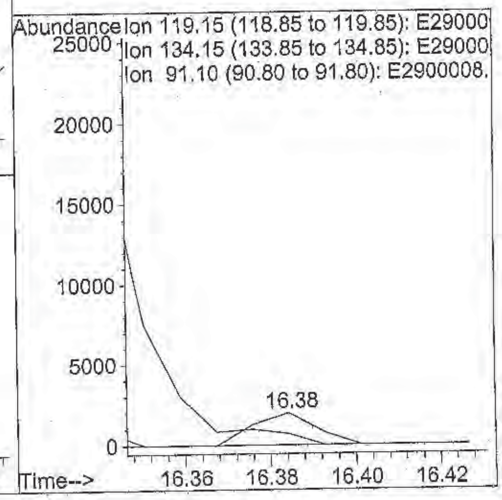




#69
p-Isopropyltoluene
Concen: 0.11 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E2900008.D
Acq: 29 May 2014 11:42 am

Tgt Ion:119 Resp: 2011

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900008.D Vial: 7
Acq On : 29 May 2014 11:42 am Operator: DN
Sample : 3E42901-07 Inst : GC/MS Ins
Misc : 100cc SVL-530-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 12:04 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1603103	12.50 ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1279188	12.50 ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	698801	12.50 ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	442263	10.61 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	84.88%	
3) Chloroform-d (SU6)	9.18	84	722030	12.07 ug/L	0.01
Spiked Amount 12.500	Range 70 - 140		Recovery =	96.56%	
4) Methylene Chloride-d2 (SU5	7.06	86	409307	11.71 ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	93.68%	
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	431768	15.15 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	121.20%	
6) Benzene-d6 (SU7)	9.92	84	1397048	11.11 ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	88.88%	
8) Toluene-d8 (SU3)	12.20	98	1402626	11.56 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.48%	
9) 4-Bromofluorobenzene (SU4)	15.23	95	702303	14.02 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	112.16%	

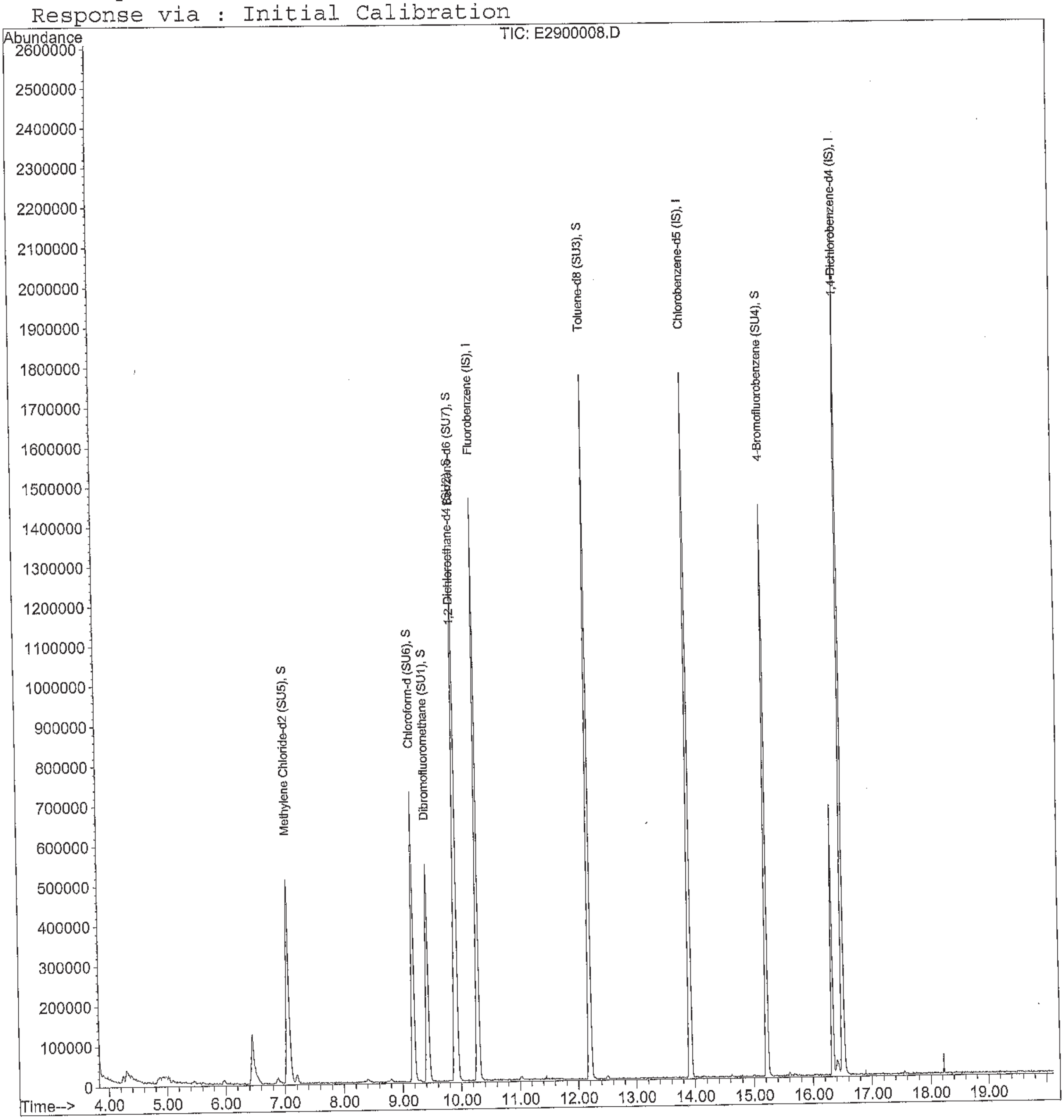
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900008.D   Vial: 7
Acq On : 29 May 2014 11:42 am   Operator: DN
Sample : 3E42901-07   Inst : GC/MS Ins
Misc : 100cc SVL-530-SA5D-SV-5.0-6.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 12:04 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900009.D
Acq On : 29 May 2014 12:11 pm
Sample : 3E42901-08
Misc : 100cc SVL-531-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 29 12:47 19114

Vial: 8
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1563526	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1280591	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	693986	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	437328	11.21	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	89.68%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	433965	11.71	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.68%		
39) Toluene-d8 (SU3)	12.21	98	1385172	11.60	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.80%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	698027	13.33	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	106.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.38	50	2306	-0.34	~~ug/L~~ #	64
6) Bromomethane	5.11	96	309	-1.60	~~ug/L~~ #	1
7) Chloroethane	5.25	64	942	1.41	~~ug/L~~ #	32
11) Acetone	6.44	58	2469	179.68	~~ug/L #~~	5
12) (IPA) Leak Check Compound	6.59	45	19743	105.08	~~ug/L~~ # NSM	86
14) Methylene Chloride	7.05	84	7007	1.63	~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.13	59	352	1.32	~~ug/L~~ #	77
24) Chloroform	9.19	83	913	0.11	~~ug/L~~ #	1
29) 1,1-Dichloropropene	9.92	75	274	0.05	~~ug/L~~ # NSM	1
31) Benzene	9.92	78	11161	0.76	~~ug/L~~ #	79
32) 1,2-Dichloroethane	9.92	62	5925	1.14	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	5742	2.25	~~ug/L~~ #	100
41) Toluene	12.29	91	2191	0.13	~~ug/L~~ #	37
46) 2-Hexanone	12.93	43	274	0.10	~~ug/L #~~	37
51) Ethylbenzene	14.14	91	2992	0.15	~~ug/L~~	97
52) m,p-Xylenes	14.15	106	1298	0.18	ug/L 0.0036	94
54) Styrene	14.63	104	2244	-0.65	~~ug/L~~ # NSM	35
56) Isopropylbenzene	15.22	105	1301	0.07	~~ug/L~~ #	1
62) n-Propylbenzene	15.47	91	384	0.01	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.60	91	416	0.02	~~ug/L~~ #	45
65) 4-Chlorotoluene	15.60	91	416	0.03	~~ug/L #~~	44
67) 1,2,4-Trimethylbenzene	16.06	105	928	0.05	~~ug/L~~ #	33

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900009.D Vial: 8
Acq On : 29 May 2014 12:11 pm Operator: DN
Sample : 3E42901-08 Inst : GC/MS Ins
Misc : 100cc SVL-531-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 12:47 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

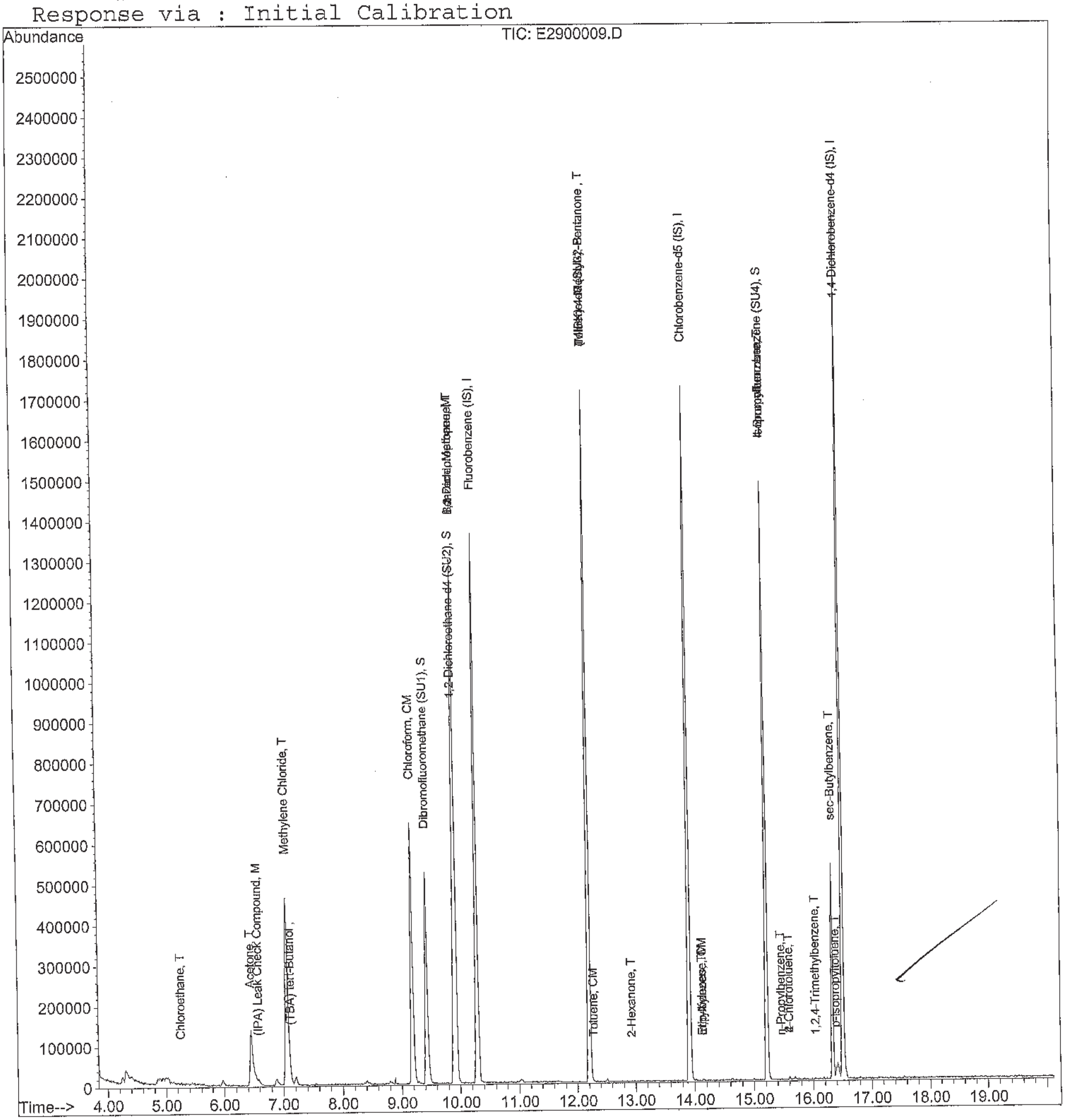
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68)	sec-Butylbenzene	16.34	105	7599	0.33 ~~ug/L~~ # 8M	62
69)	p-Isopropyltoluene	16.38	119	1382	0.07 ~~ug/L~~ #	52

(#) = qualifier out of range (m) = manual integration

Quantitation Report

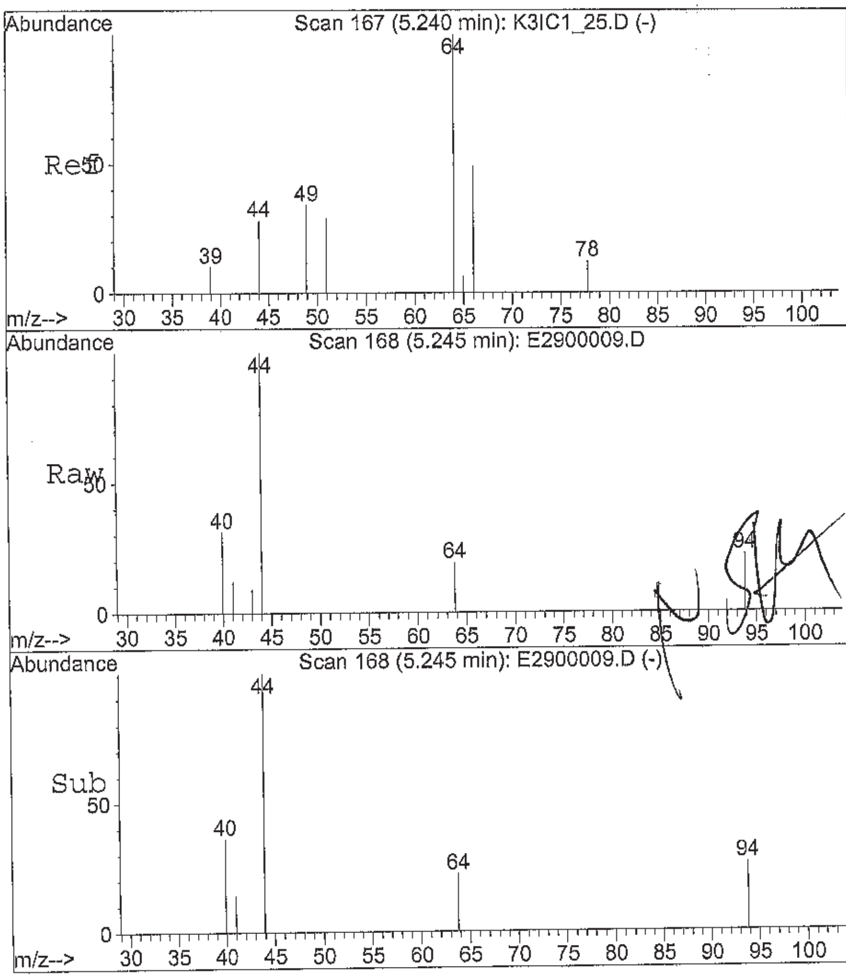
Data File : C:\HPCHEM\1\DATA\052914L3\E2900009.D   Vial: 8
Acq On : 29 May 2014 12:11 pm   Operator: DN
Sample : 3E42901-08   Inst : GC/MS Ins
Misc : 100cc SVL-531-SA5D-SV-5.0-6.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 12:47 19114   Quant Results File: MW111313.RES

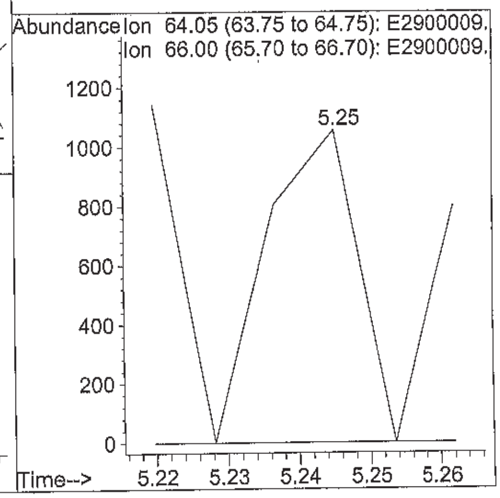
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



#7
Chloroethane
Concen: 1.41 ug/L
RT: 5.25 min Scan# 168
Delta R.T. 0.01 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

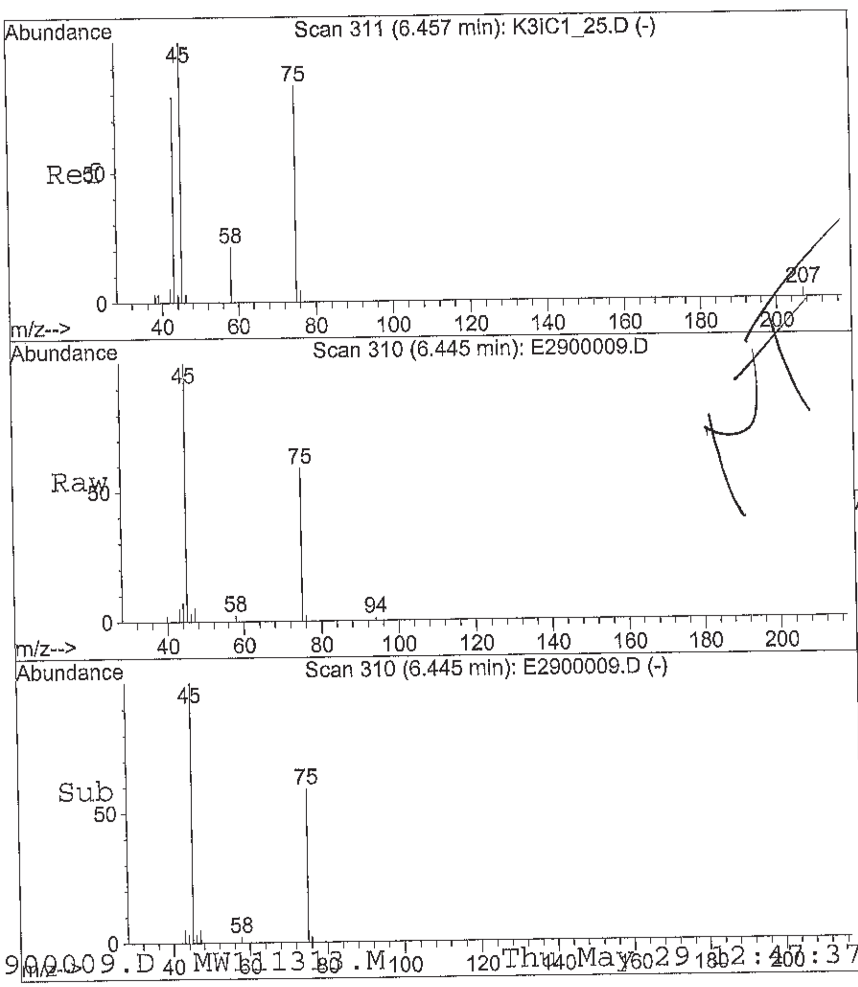
Tgt Ion: 64	Resp:		942
Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

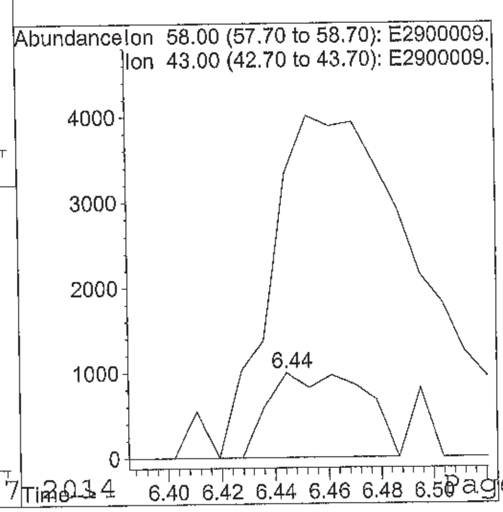


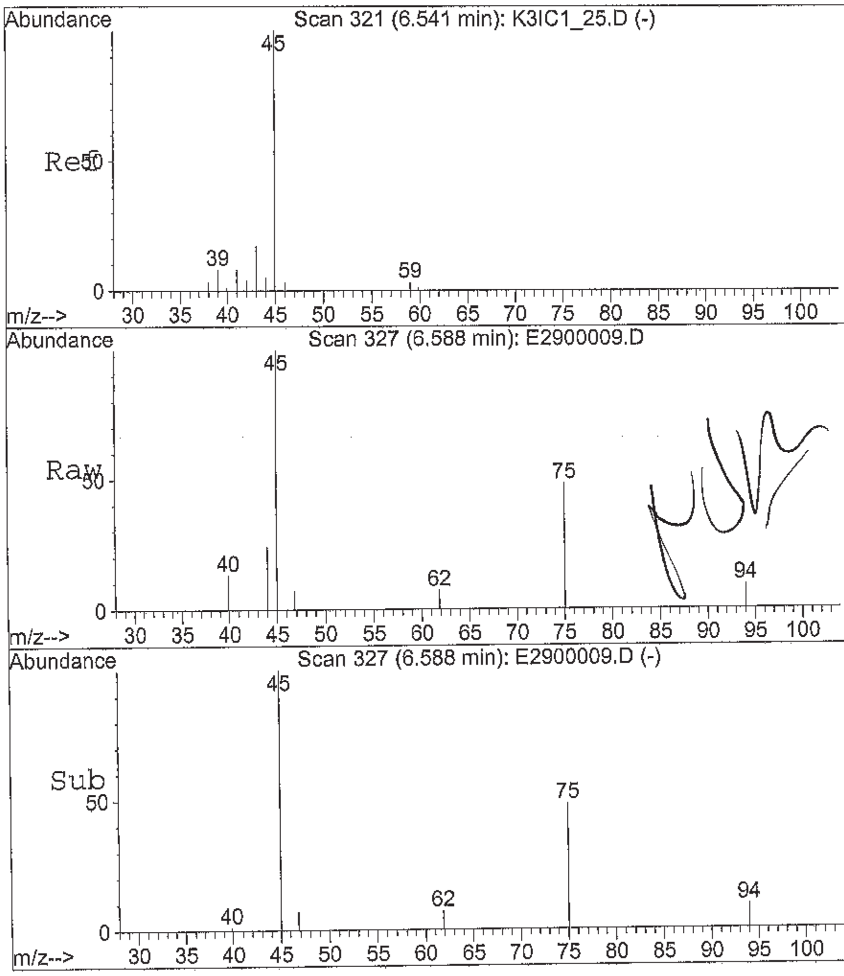


#11
Acetone
Concen: 179.68 ug/L
RT: 6.44 min Scan# 310
Delta R.T. -0.01 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 58	Resp:		2469
Ion	Ratio	Lower	Upper
58	100		
43	695.2	360.9	541.3#



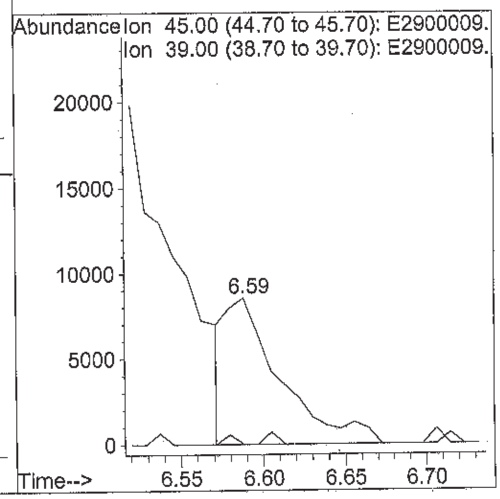


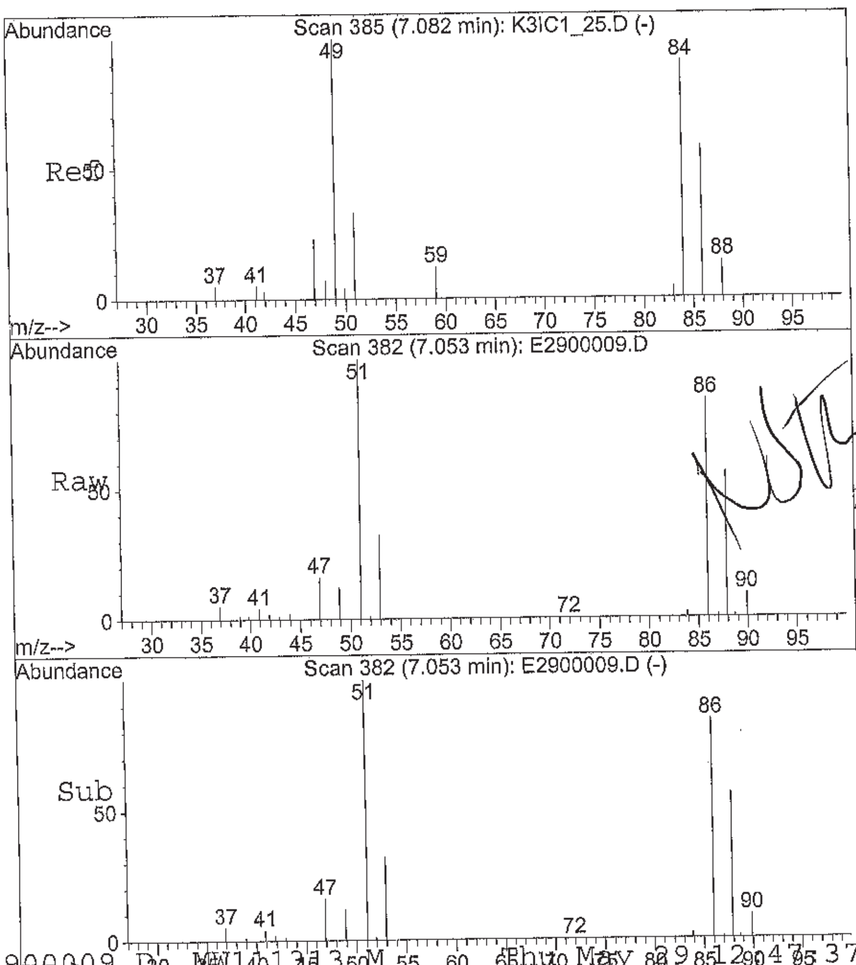


#12
(IPA) Leak Check Compound
Concen: 105.08 ug/L
RT: 6.59 min Scan# 327
Delta R.T. 0.05 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 45 Resp: 19743

Ion	Ratio	Lower	Upper
45	100		
39	1.4	4.9	7.3#

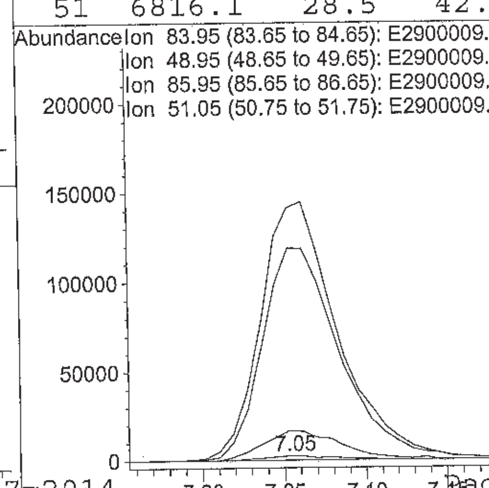


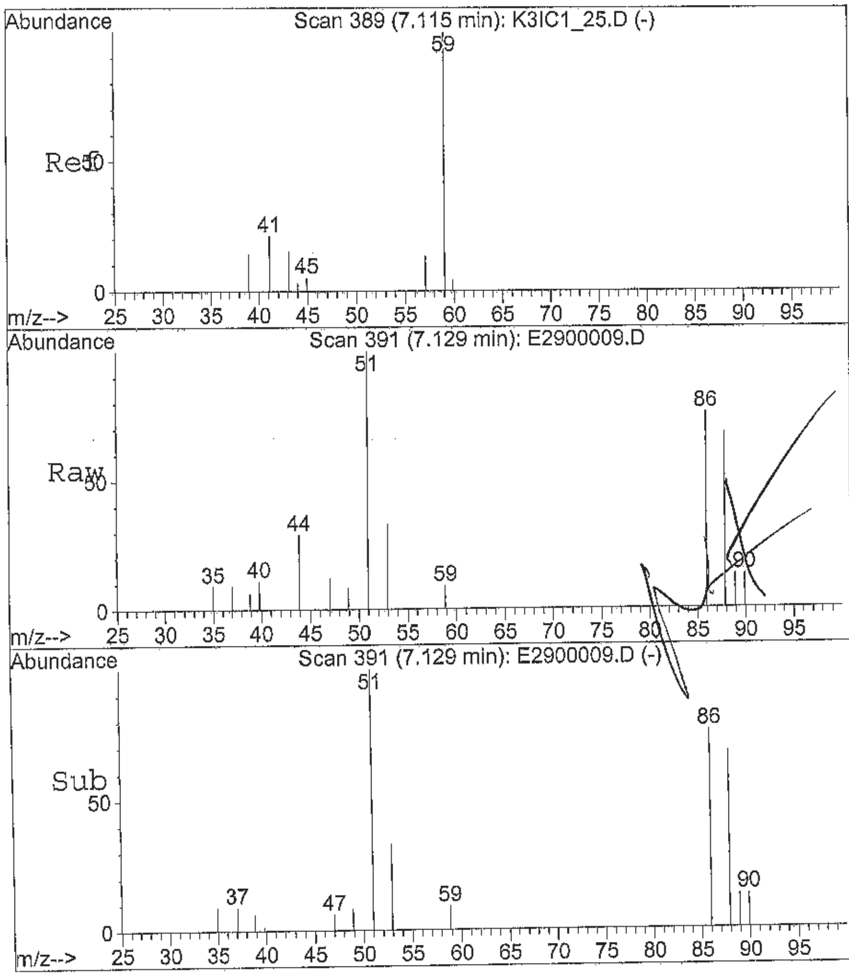


#14
Methylene Chloride
Concen: 1.63 ug/L
RT: 7.05 min Scan# 382
Delta R.T. -0.03 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 84 Resp: 7007

Ion	Ratio	Lower	Upper
84	100		
49	773.9	89.8	134.6#
86	5621.4	51.1	76.7#
51	6816.1	28.5	42.7#

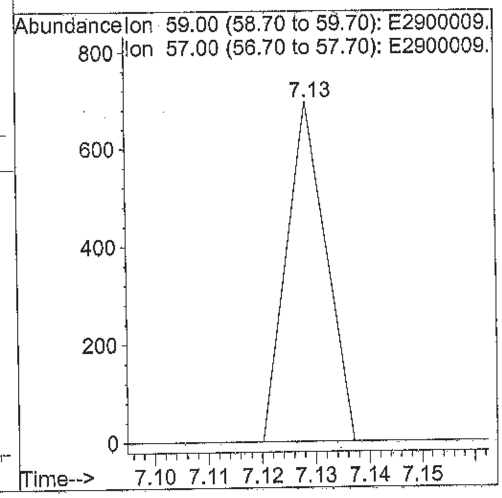


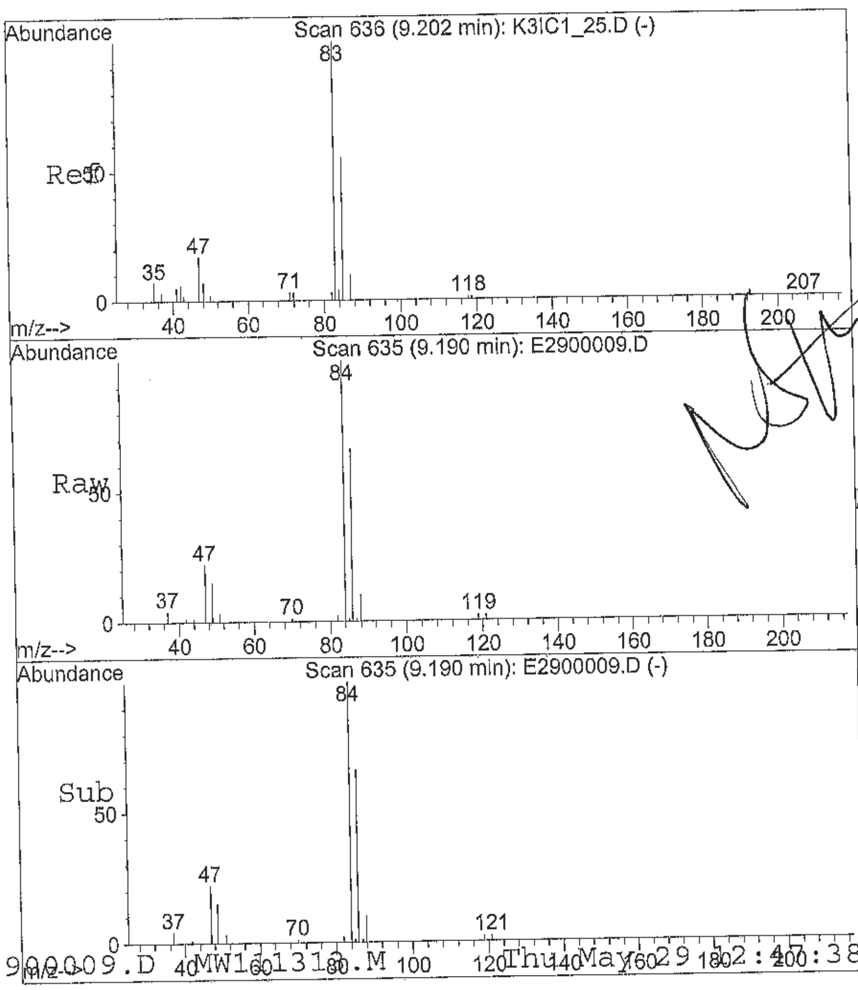


#15
(TBA) tert-Butanol
Concen: 1.32 ug/L
RT: 7.13 min Scan# 391
Delta R.T. 0.01 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 59 Resp: 352

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

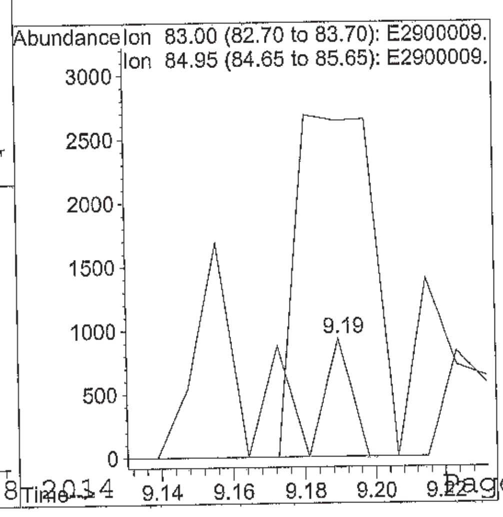


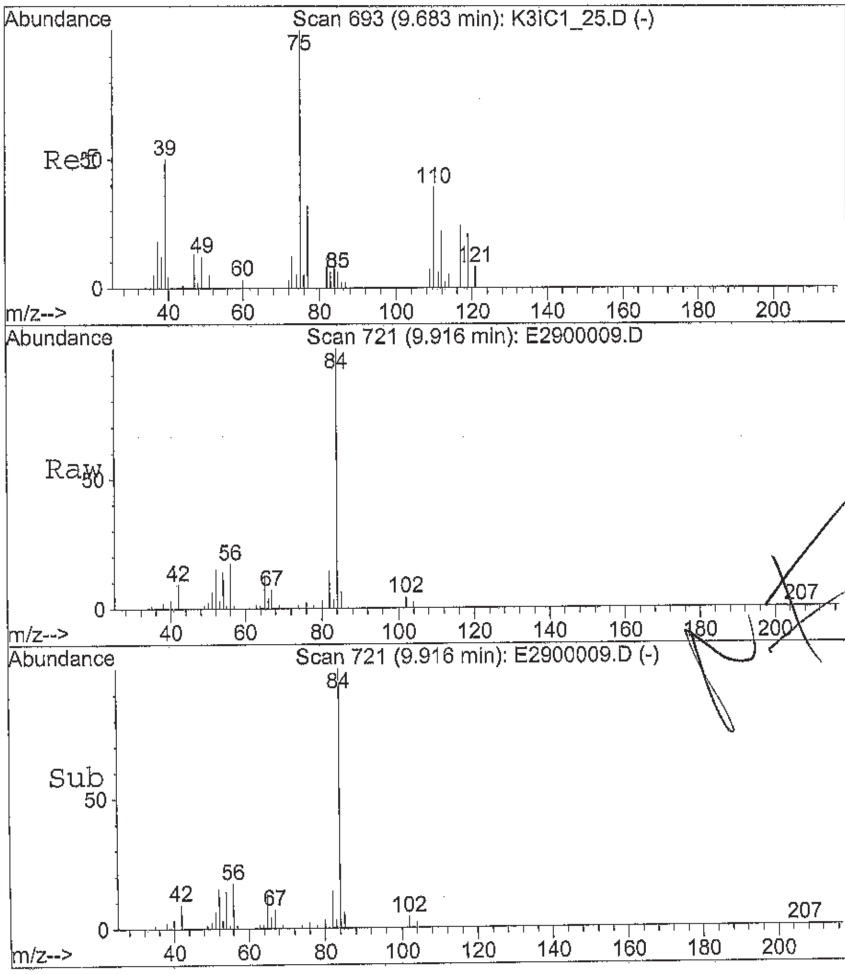


#24
Chloroform
Concen: 0.11 ug/L
RT: 9.19 min Scan# 635
Delta R.T. -0.01 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 83 Resp: 913

Ion	Ratio	Lower	Upper
83	100		
85	594.7	51.8	77.6#

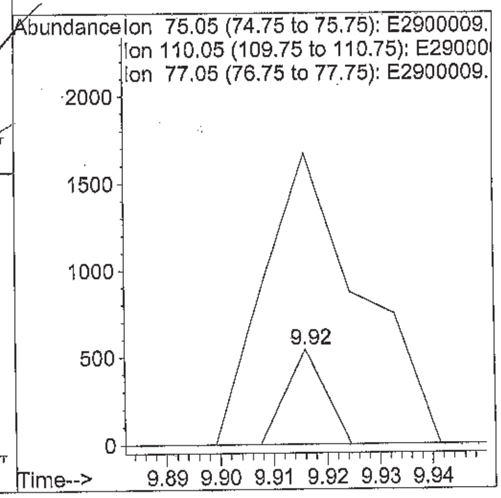


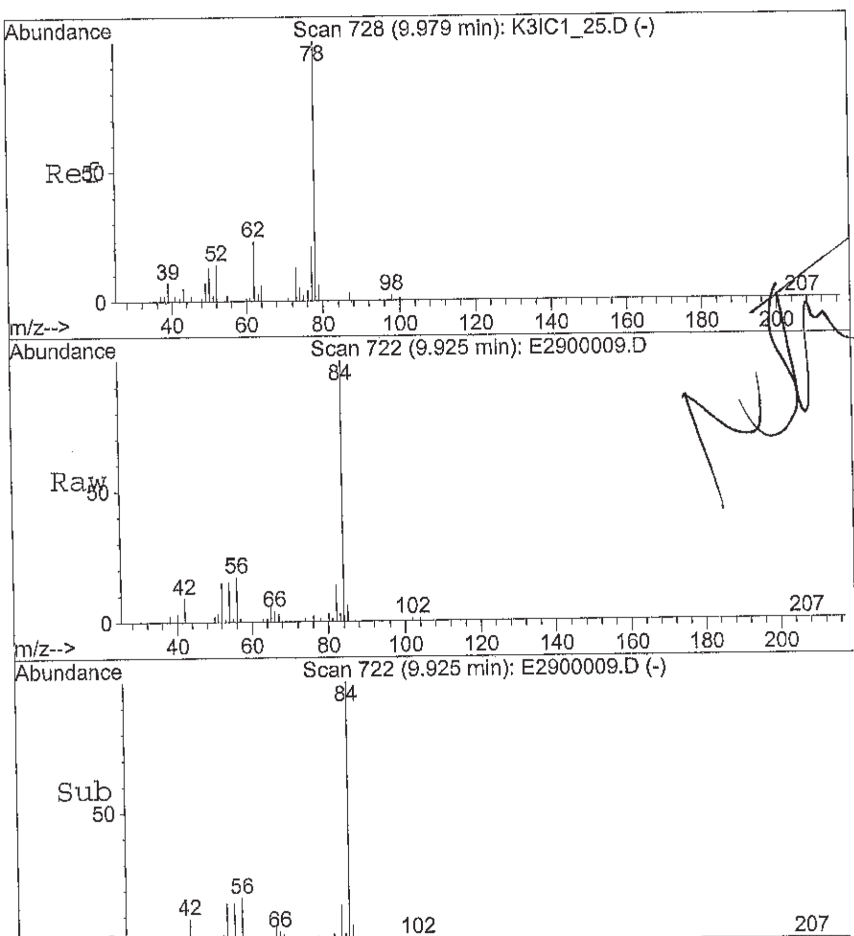


#29
1,1-Dichloropropene
Concen: 0.05 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.23 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 75 Resp: 274

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	768.6	25.0	37.4#

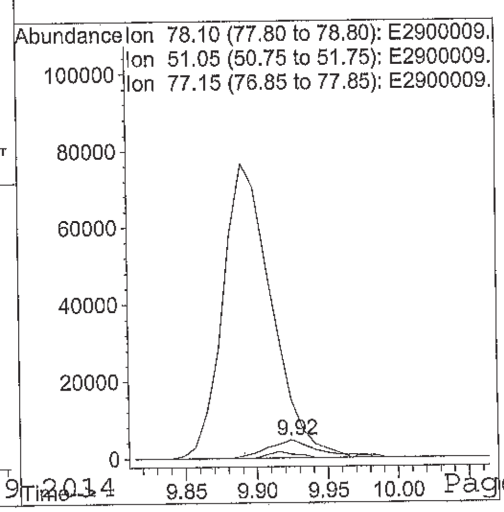


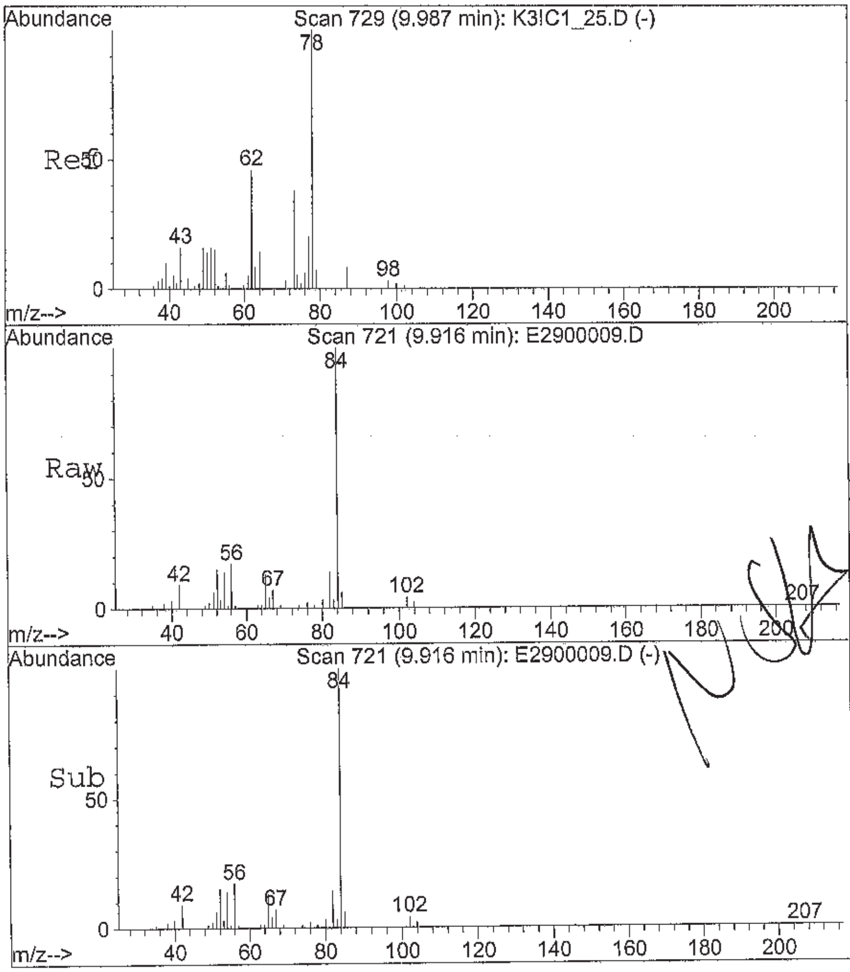


#31
Benzene
Concen: 0.76 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.05 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 78 Resp: 11161

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	18.9	16.6	24.8

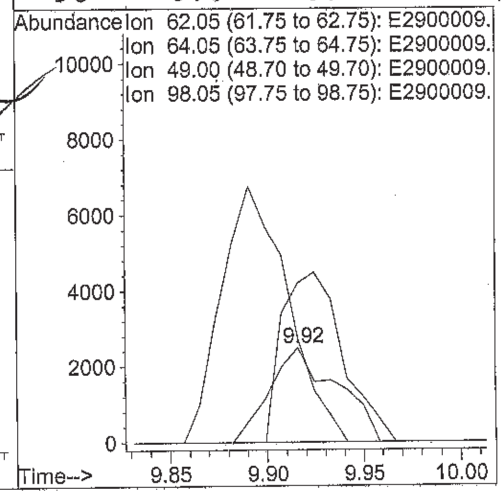


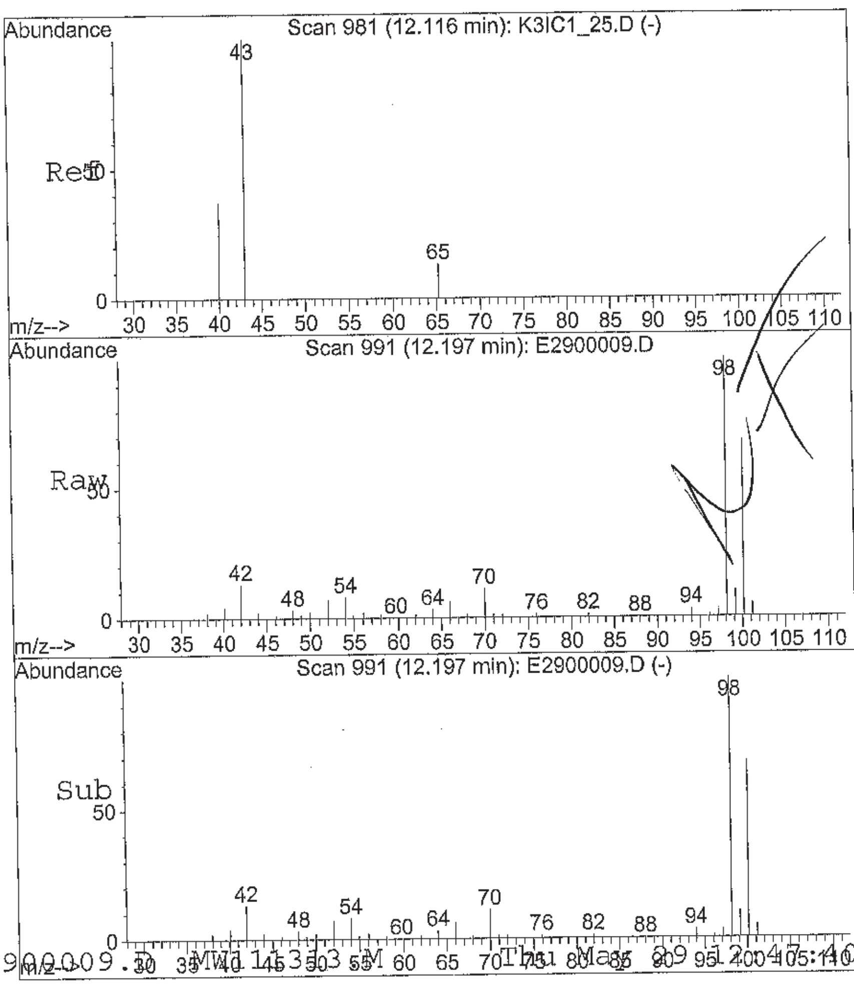


#32
1,2-Dichloroethane
Concen: 1.14 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 62 Resp: 5925

Ion	Ratio	Lower	Upper
62	100		
64	165.1	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

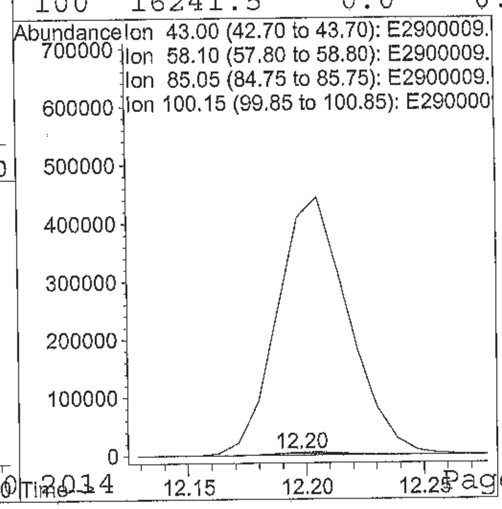


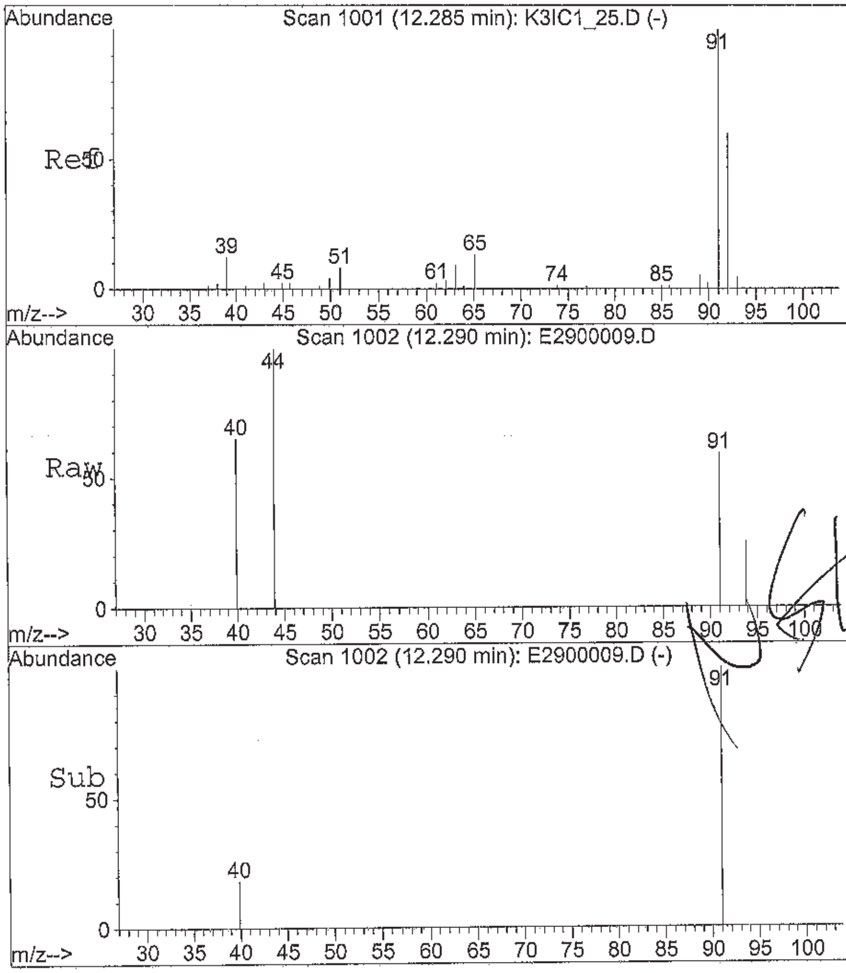


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.25 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 43 Resp: 5742

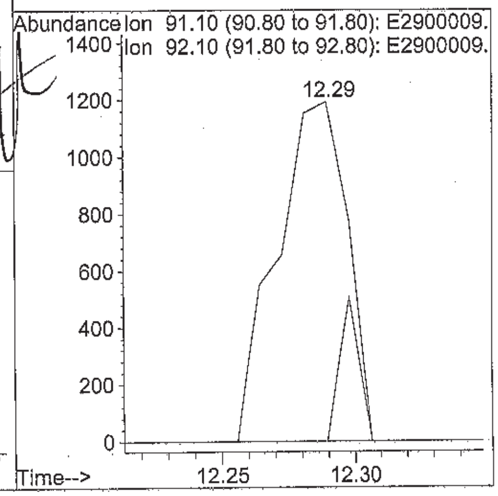
Ion	Ratio	Lower	Upper
43	100		
58	168.1	0.0	0.0#
85	0.0	0.0	0.0
100	16241.5	0.0	0.0#

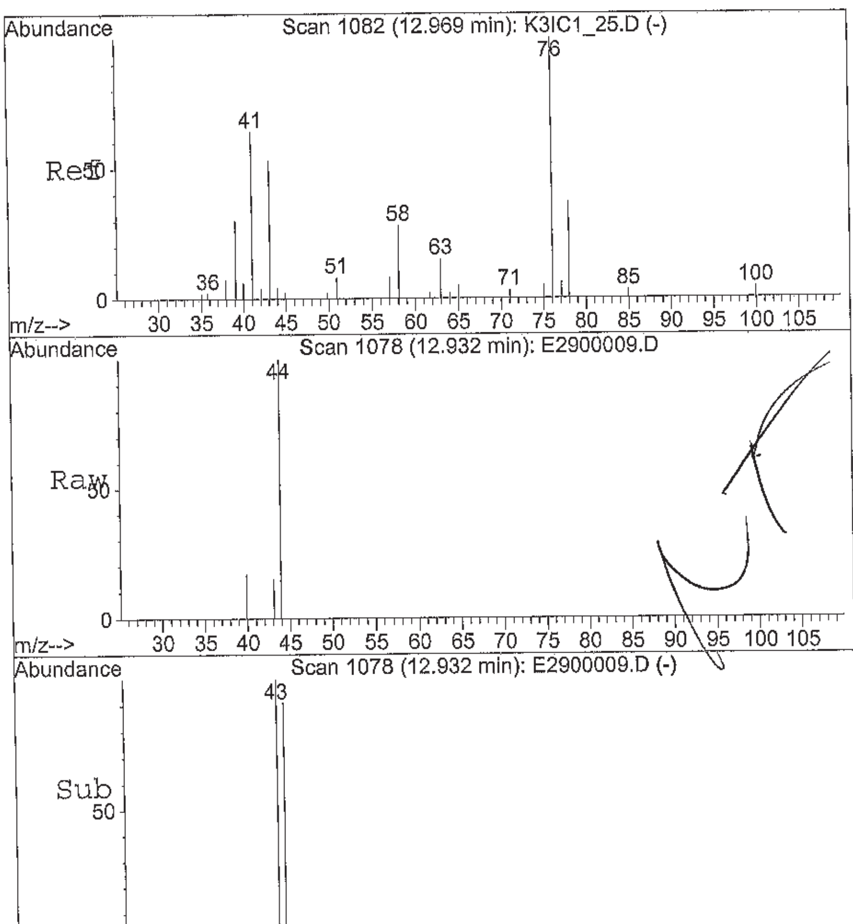




#41
Toluene
Concen: 0.13 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

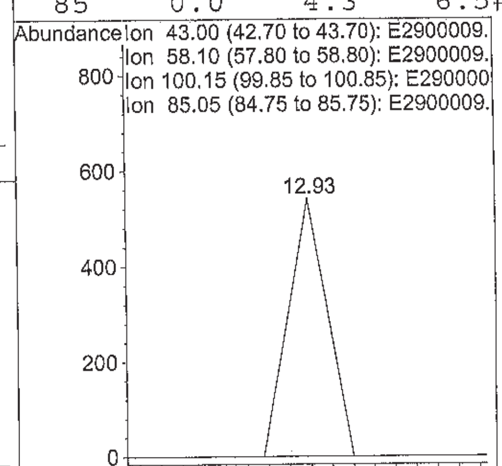
Tgt Ion: 91	Resp:		2191
Ion	Ratio	Lower	Upper
91	100		
92	11.7	47.4	71.0#

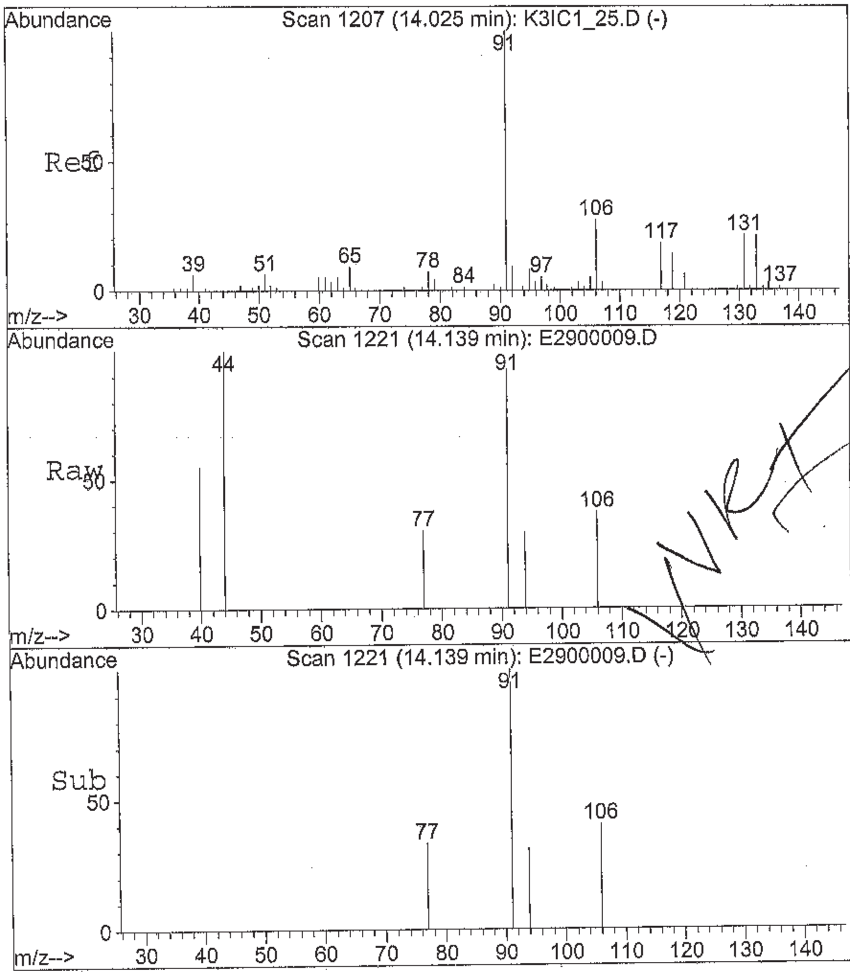




#46
2-Hexanone
Concen: 0.10 ug/L
RT: 12.93 min Scan# 1078
Delta R.T. -0.04 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

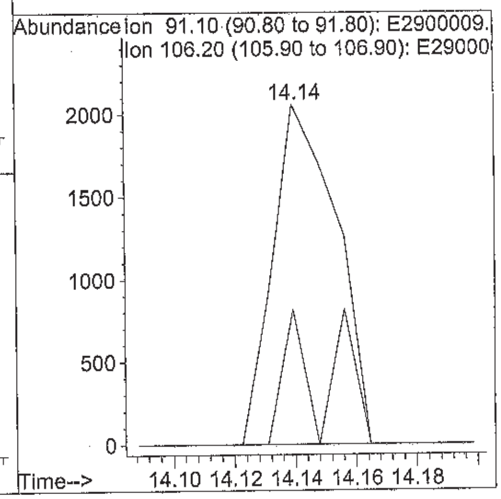
Tgt Ion: 43	Resp:		274
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

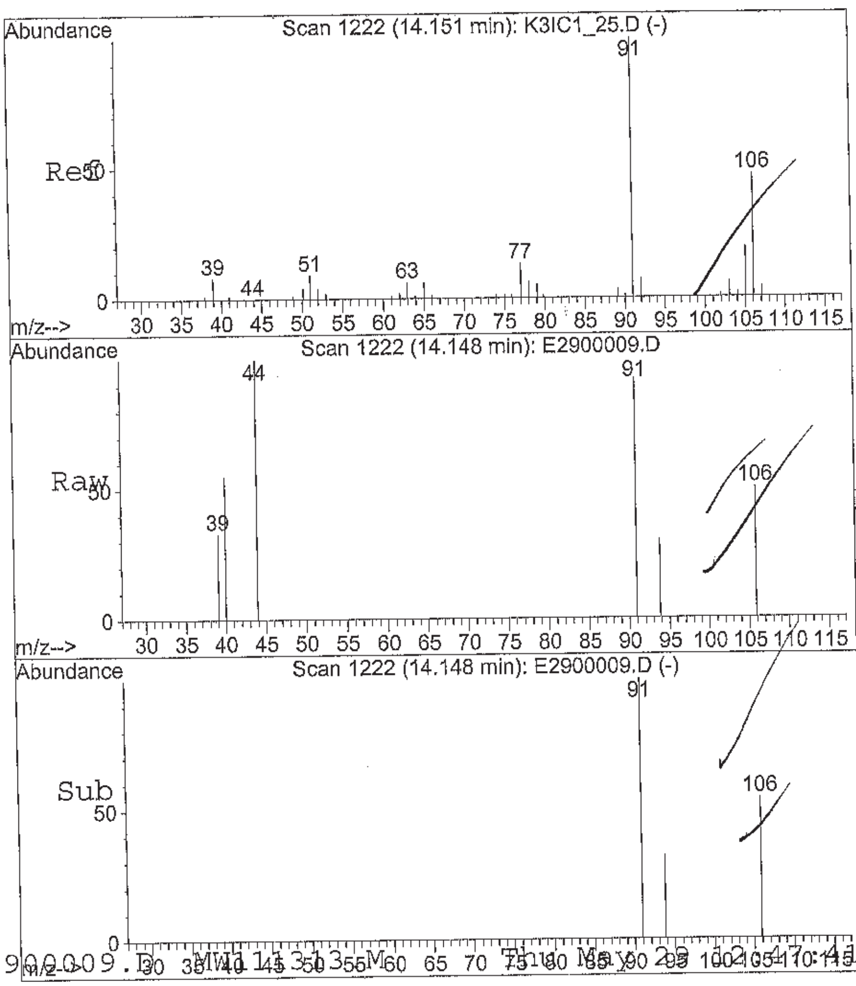




#51
Ethylbenzene
Concen: 0.15 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. 0.11 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

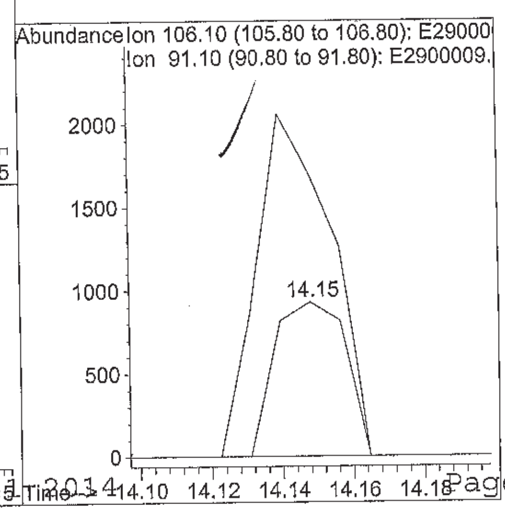
Tgt Ion: 91	Resp:		2992
Ion	Ratio	Lower	Upper
91	100		
106	27.7	23.5	35.3

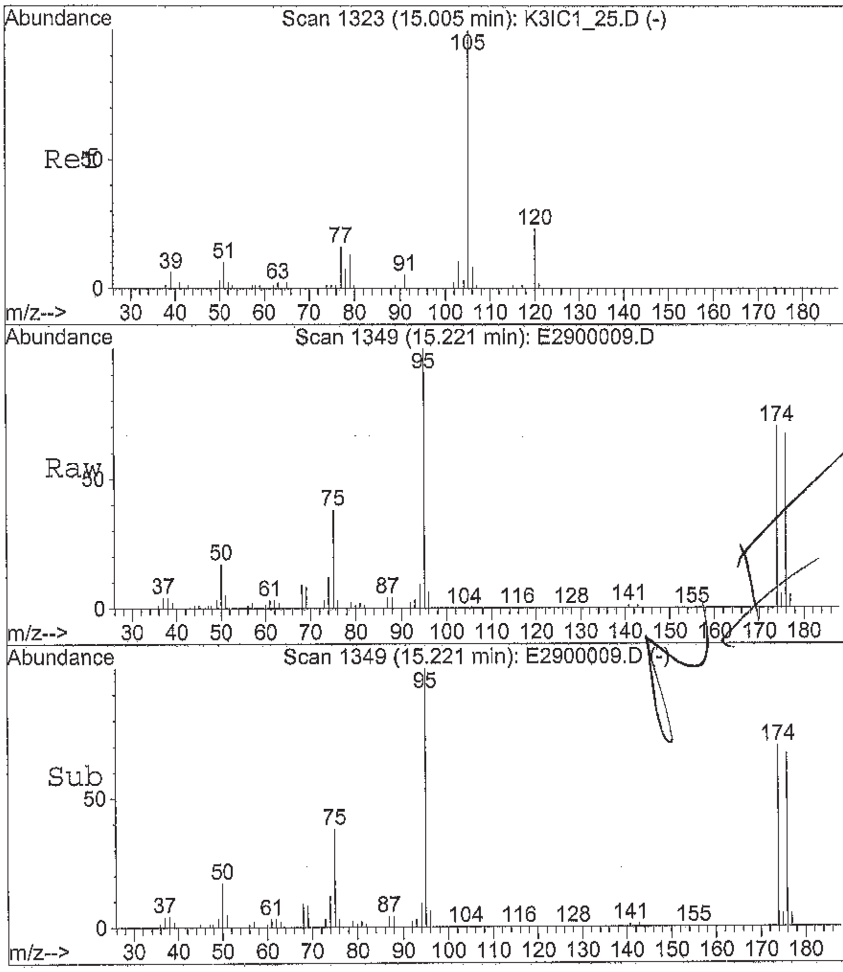




#52
m,p-Xylenes
Concen: 0.18 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.00 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion:106	Resp:		1298
Ion	Ratio	Lower	Upper
106	100		
91	230.5	177.1	265.7

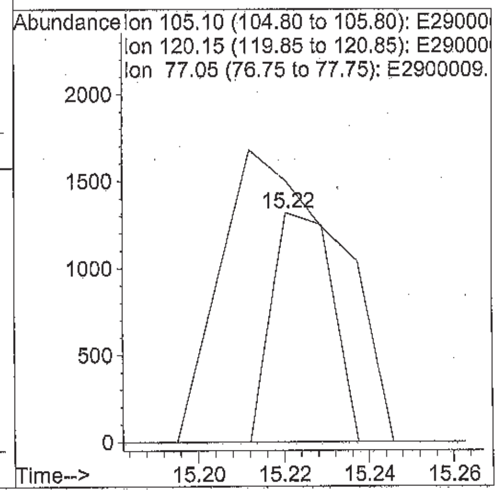


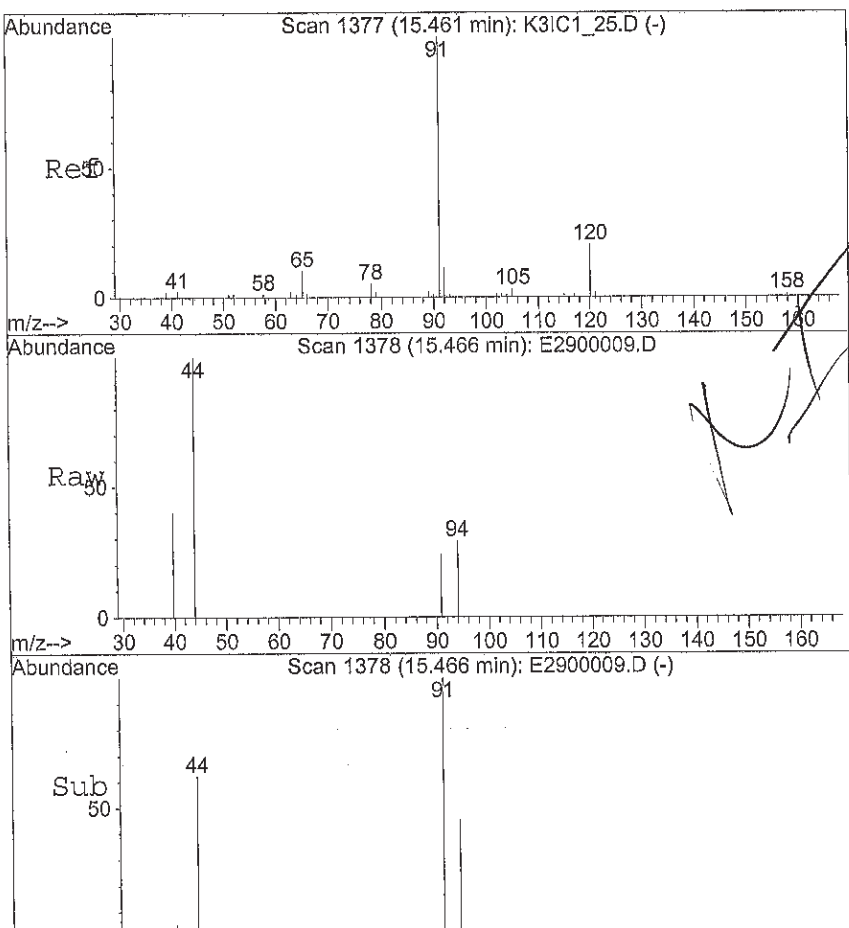


#56
Isopropylbenzene
Concen: 0.07 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.22 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion:105 Resp: 1301

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	244.7	13.1	19.7#

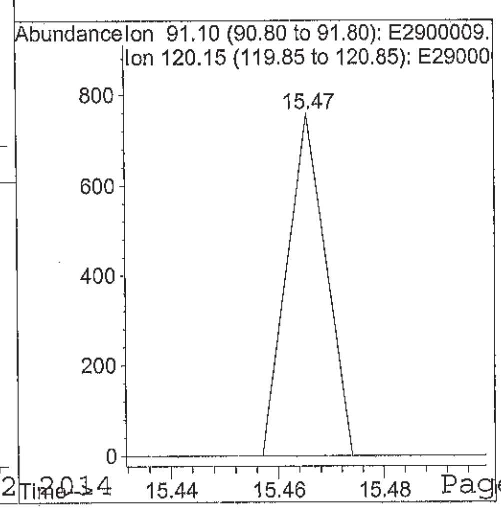


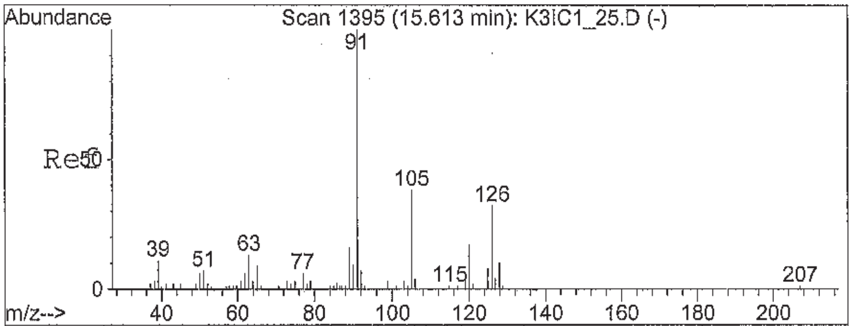


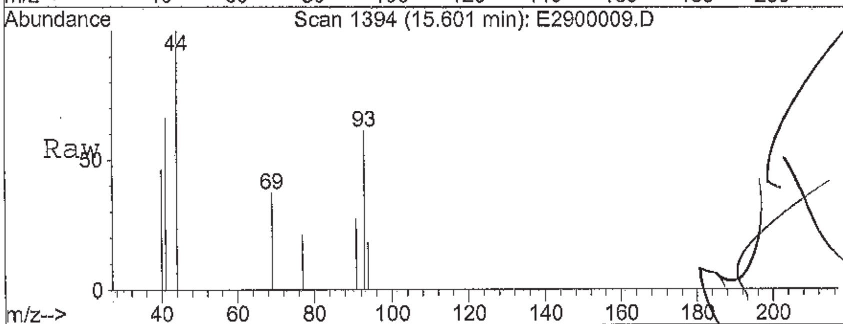
#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.47 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

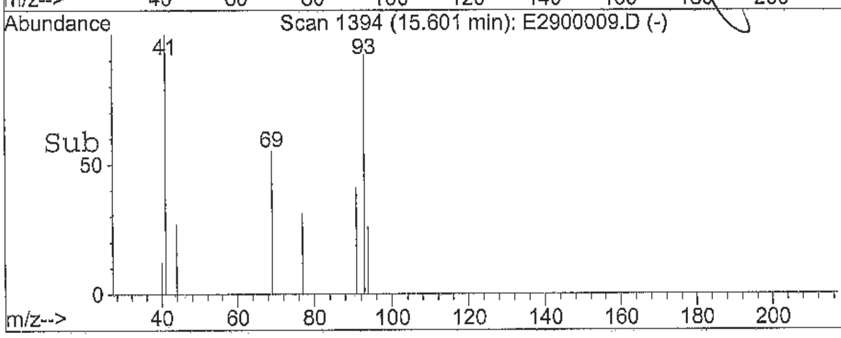
Tgt Ion: 91 Resp: 384

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#





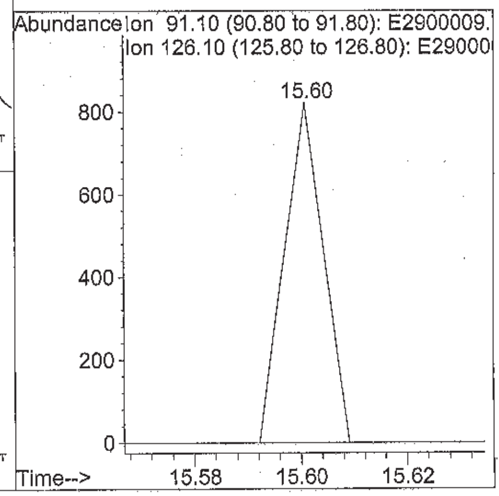


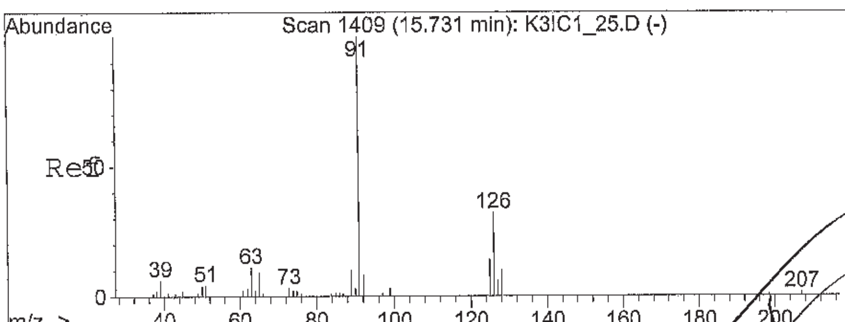


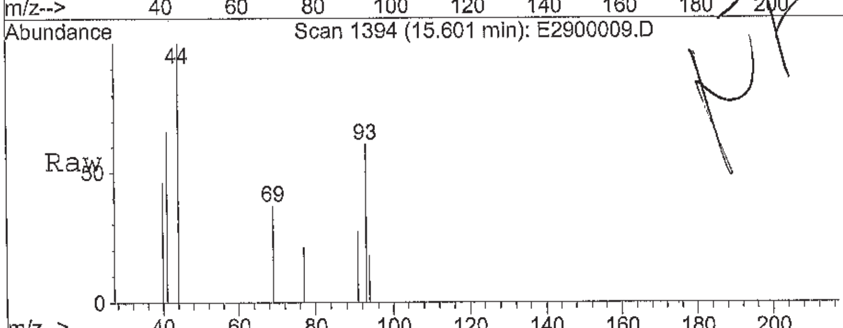
#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

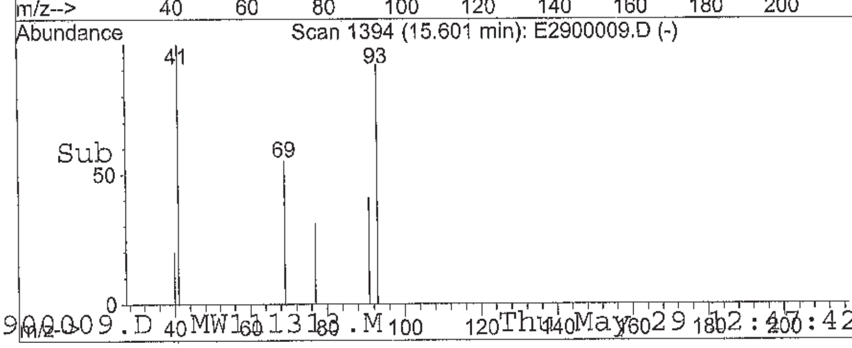
Tgt Ion: 91 Resp: 416

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#





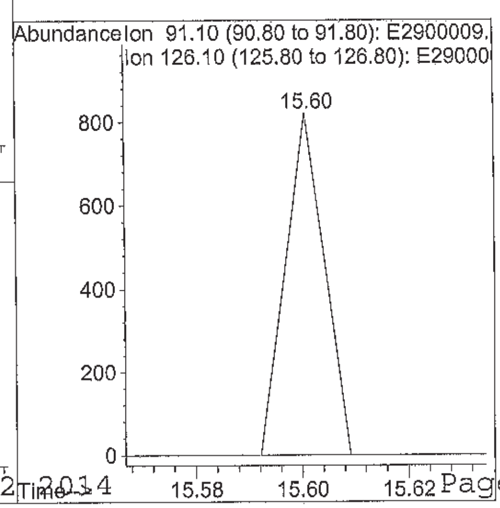


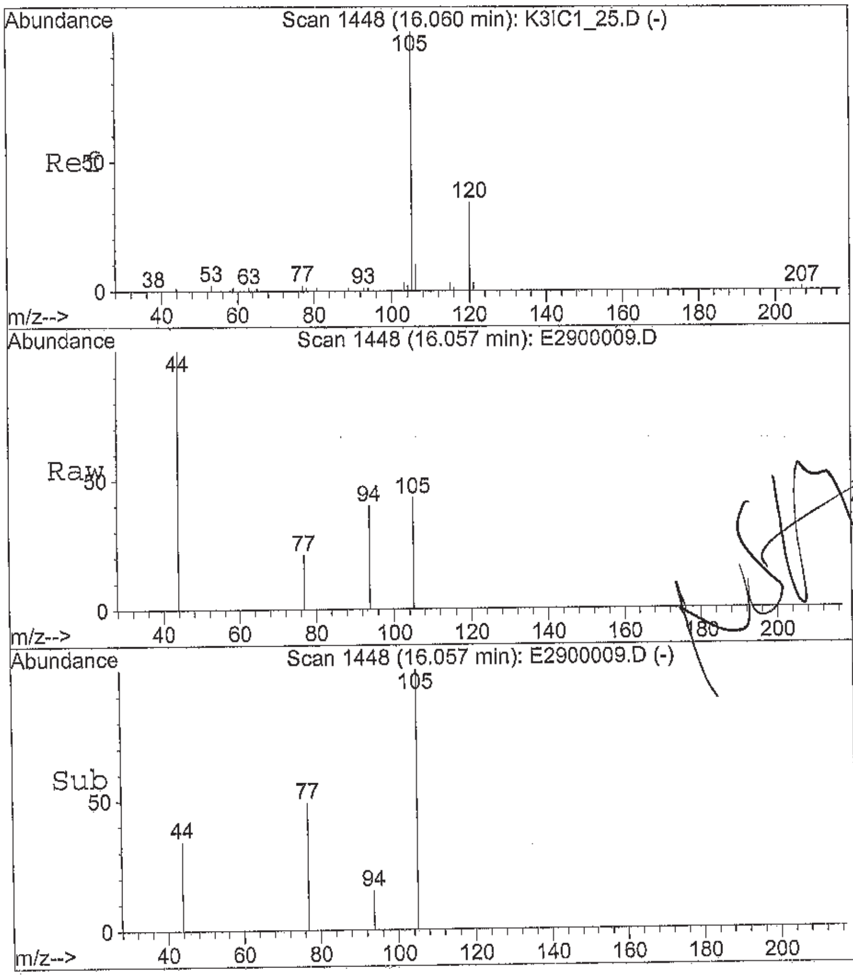


#65
4-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.13 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion: 91 Resp: 416

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

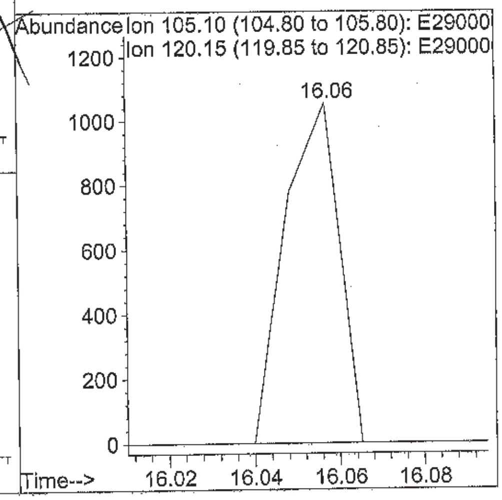


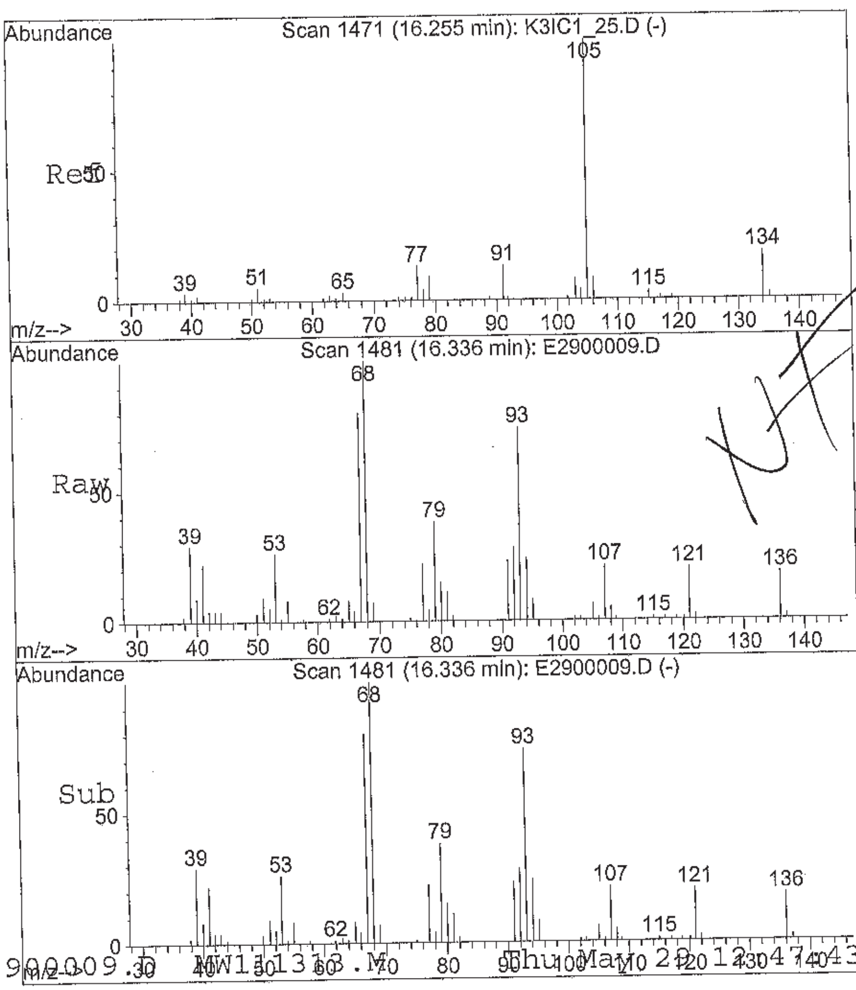


#67
1,2,4-Trimethylbenzene
Concen: 0.05 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion:105 Resp: 928

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

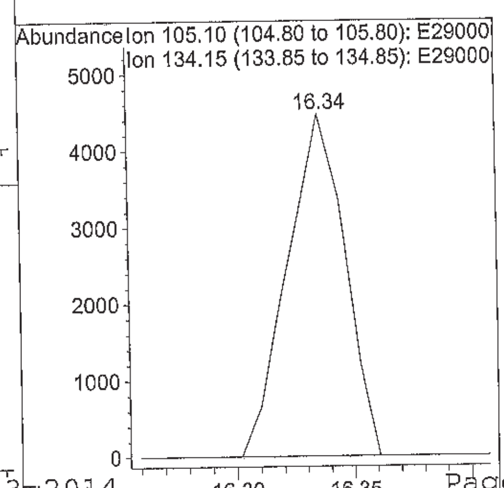


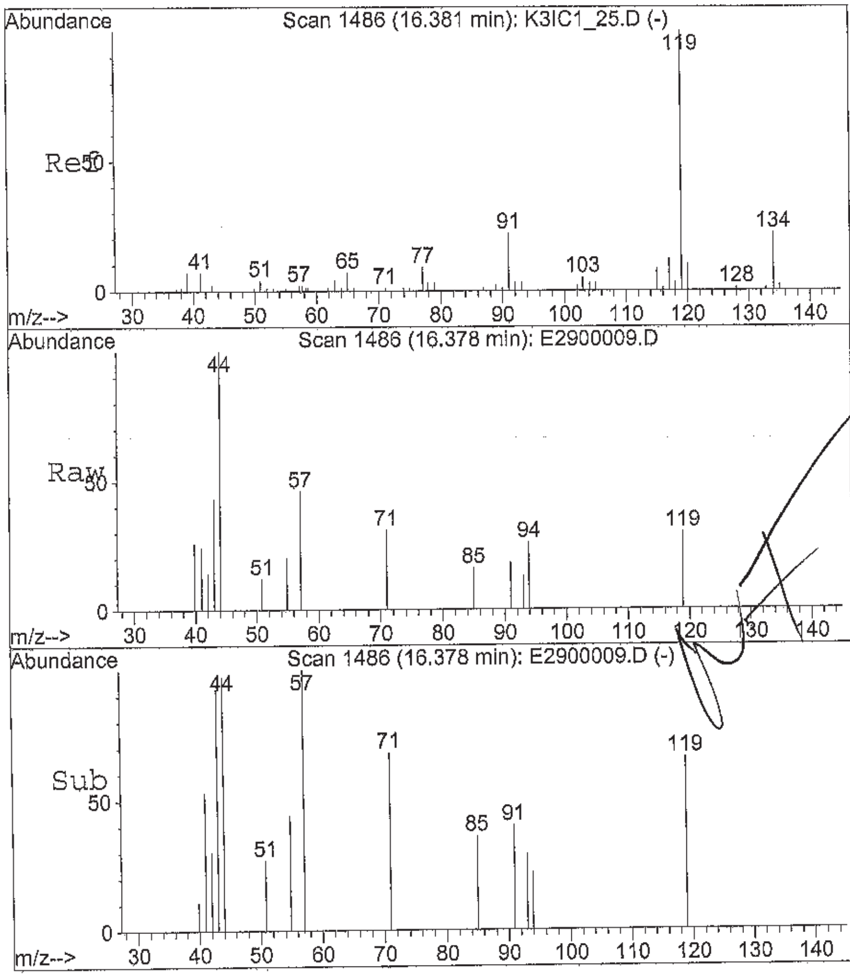


#68
sec-Butylbenzene
Concen: 0.33 ug/L
RT: 16.34 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion:105 Resp: 7599

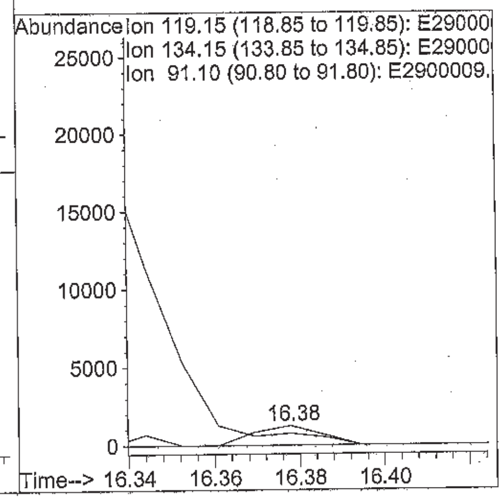
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2900009.D
Acq: 29 May 2014 12:11 pm

Tgt Ion:119	Resp:		1382
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900009.D   Vial: 8
Acq On : 29 May 2014 12:11 pm   Operator: DN
Sample : 3E42901-08   Inst : GC/MS Ins
Misc : 100cc SVL-531-SA5D-SV-5.0-6.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:01 19114   Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1563526	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1279374	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	693986	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	437328	10.76	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	86.08%		
3) Chloroform-d (SU6)	9.18	84	679265	11.64	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	93.12%		
4) Methylene Chloride-d2 (SU5	7.05	86	393895	11.55	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	92.40%		
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	433965	15.62	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	124.96%		
6) Benzene-d6 (SU7)	9.92	84	1357517	11.06	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	88.48%		
8) Toluene-d8 (SU3)	12.21	98	1385172	11.41	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.28%		
9) 4-Bromofluorobenzene (SU4)	15.22	95	698027	13.93	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.44%		

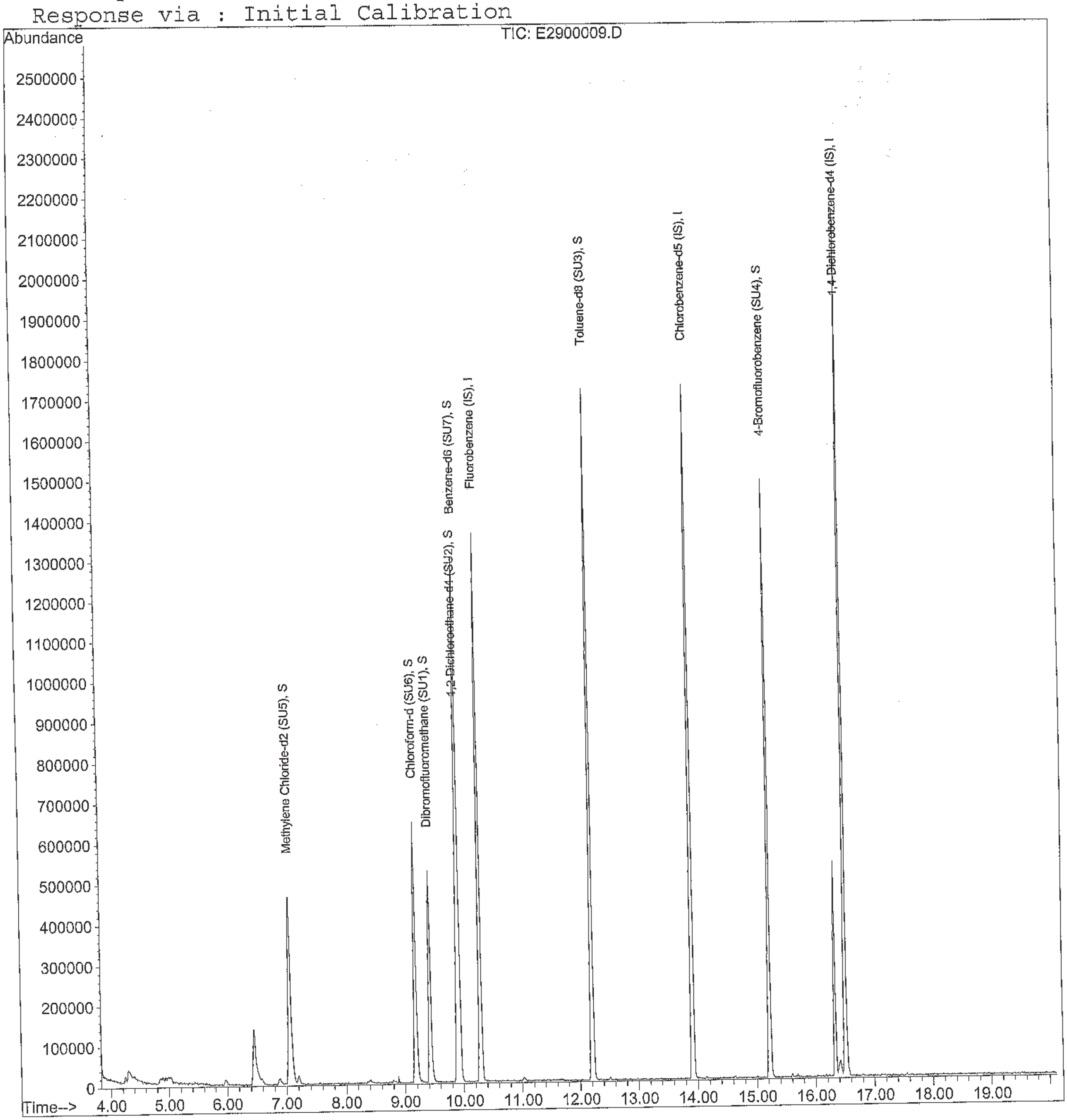
Target Compounds   Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900009.D   Vial: 8
Acq On : 29 May 2014 12:11 pm   Operator: DN
Sample : 3E42901-08   Inst : GC/MS Ins
Misc : 100cc SVL-531-SA5D-SV-5.0-6.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:01 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900010.D Vial: 1
Acq On : 29 May 2014 12:57 pm Operator: DN
Sample : 3E42901-09 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-4.5-5.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:19 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1549175	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1274965	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	707525	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	452955	11.72	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.76%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	438016	11.93	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	95.44%		
39) Toluene-d8 (SU3)	12.20	98	1388281	11.67	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.36%		
58) 4-Bromofluorobenzene (SU4)	15.23	95	693437	13.30	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	106.40%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	285	0.08	~~ug/L~~ #	44
4) Chloromethane	4.39	50	1846	-0.51	~~ug/L~~ #	41
7) Chloroethane	5.18	64	1705	2.01	~~ug/L~~	86
11) Acetone	6.45	58	3282	0.32	~~ug/L~~ OUT	89
12) (IPA) Leak Check Compound	6.45	45	295413	1586.91	~~ug/L #~~ SM	82
14) Methylene Chloride	7.04	84	6276	1.48	~~ug/L #~~	1
15) (TBA) tert-Butanol	7.14	59	276	1.04	~~ug/L #~~	77
24) Chloroform	9.20	83	5430	0.67	~~ug/L #~~	72
29) 1,1-Dichloropropene	9.91	75	337	0.06	~~ug/L #~~	1
31) Benzene	9.91	78	11857	0.81	~~ug/L #~~	77
32) 1,2-Dichloroethane	9.92	62	6485	1.26	~~ug/L #~~	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7141	2.81	~~ug/L #~~	100
41) Toluene	12.27	91	4180	0.24	ug/L 0.0048	86
46) 2-Hexanone	12.96	43	288	0.10	~~ug/L #~~	37
51) Ethylbenzene	14.02	91	948	0.05	~~ug/L #~~ SM	45
52) m,p-Xylenes	14.14	106	990	0.14	ug/L 0.0028	83
54) Styrene	14.63	104	2208	-0.65	~~ug/L #~~ SM	63
56) Isopropylbenzene	15.24	105	847	0.04	~~ug/L #~~	1
57) 1,2,3-Trichloropropane	15.29	75	707	0.14	~~ug/L #~~	36
62) n-Propylbenzene	15.46	91	640	0.02	~~ug/L #~~	56
63) 2-Chlorotoluene	15.61	91	540	0.03	~~ug/L #~~	45
65) 4-Chlorotoluene	15.63	91	361	0.02	~~ug/L #~~	44

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052914L3\E2900010.D Vial: 1
Acq On : 29 May 2014 12:57 pm Operator: DN
Sample : 3E42901-09 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-4.5-5.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:19 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
67)	1,2,4-Trimethylbenzene	16.06	105	2229	0.12 ~~ug/L~~ #	SV	56
68)	sec-Butylbenzene	16.33	105	7772	0.33 ~~ug/L~~ #		62
69)	p-Isopropyltoluene	16.38	119	3006	0.16 ~~ug/L~~ #		52
72)	n-Butylbenzene	16.84	91	260	0.01 ~~ug/L~~ #		30
77)	Naphthalene	19.44	128	818	0.06 ~~ug/L~~		100

(#) = qualifier out of range (m) = manual integration

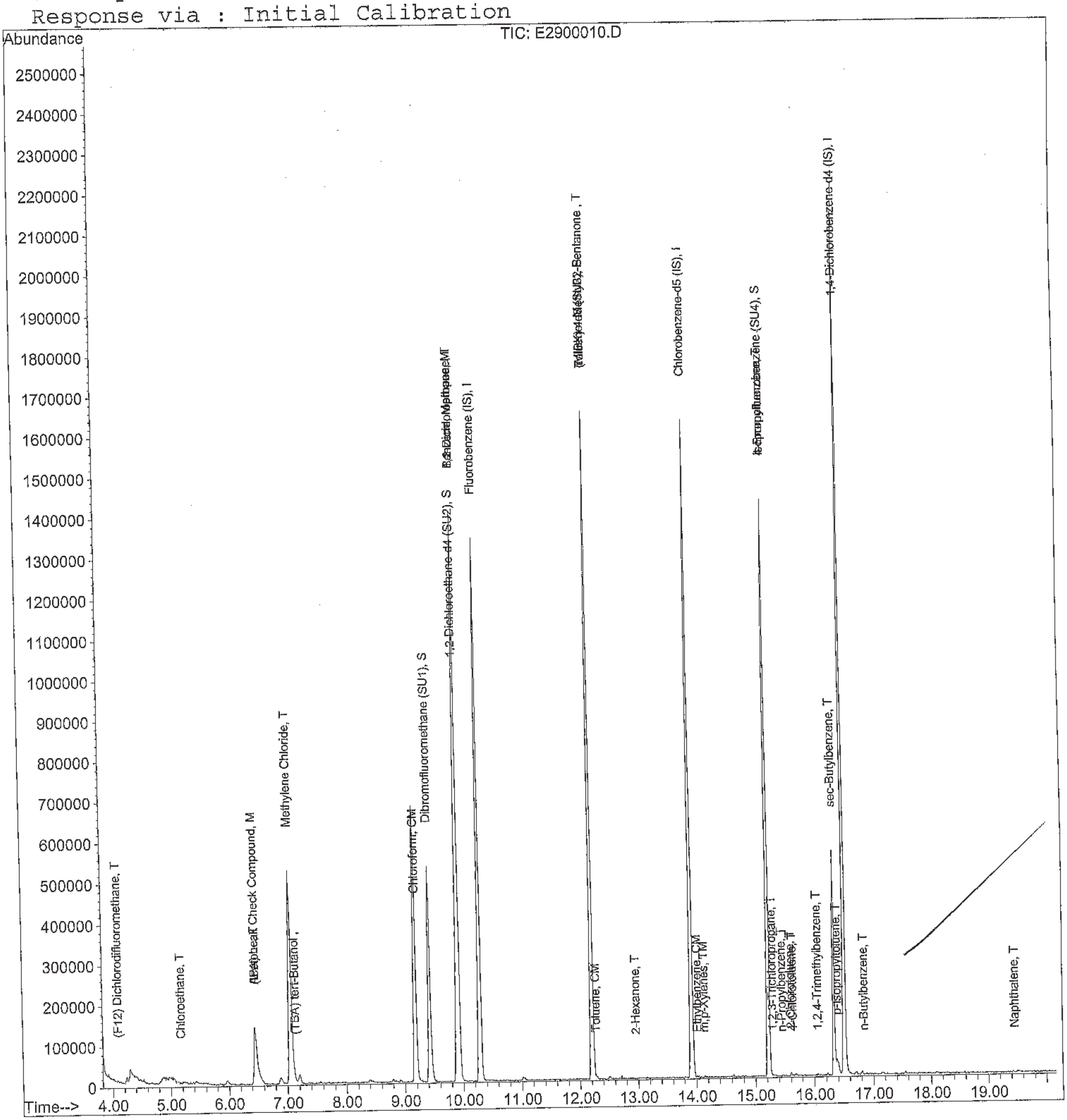
Quantitation Report

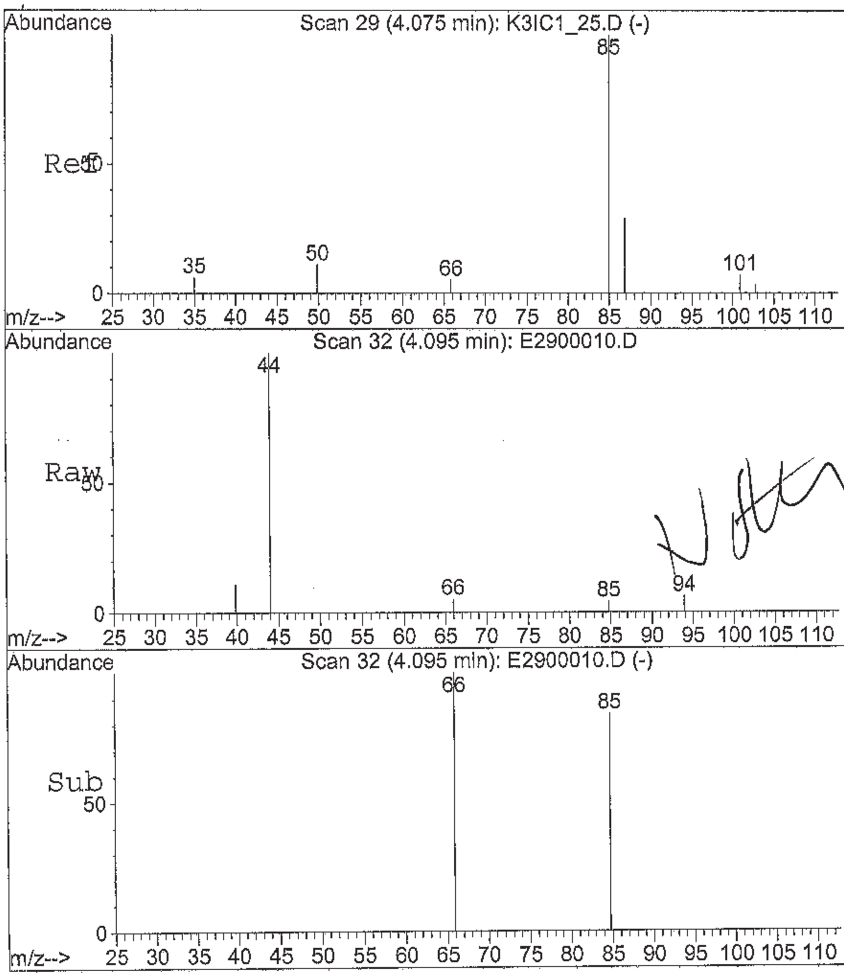
Data File : C:\HPCHEM\1\DATA\052914L3\E2900010.D
Acq On : 29 May 2014 12:57 pm
Sample : 3E42901-09
Misc : 100cc SVL-539-SA5D-SV-4.5-5.5
MS Integration Params: rteint.p
Quant Time: May 29 13:19 19114

Vial: 1
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

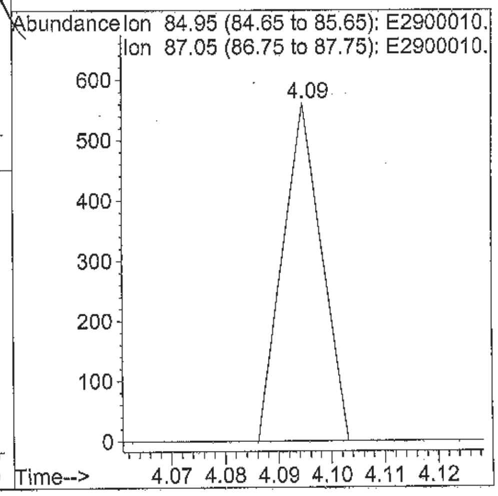
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

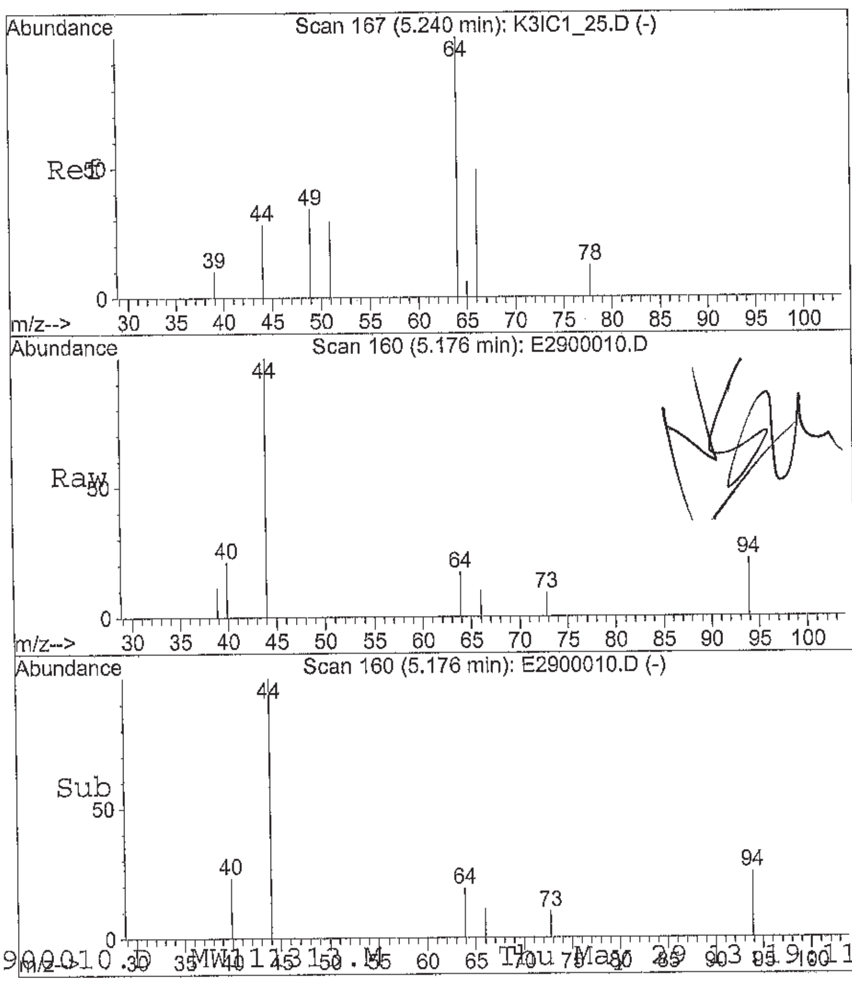




#3
(F12) Dichlorodifluoromethane
Concen: 0.08 ug/L
RT: 4.09 min Scan# 32
Delta R.T. 0.02 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

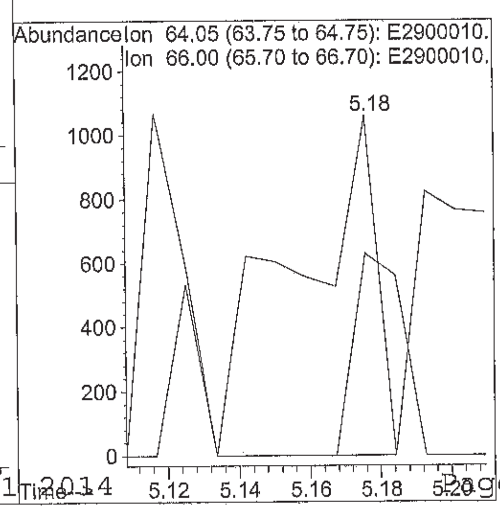
Tgt Ion: 85	Resp:		285
Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

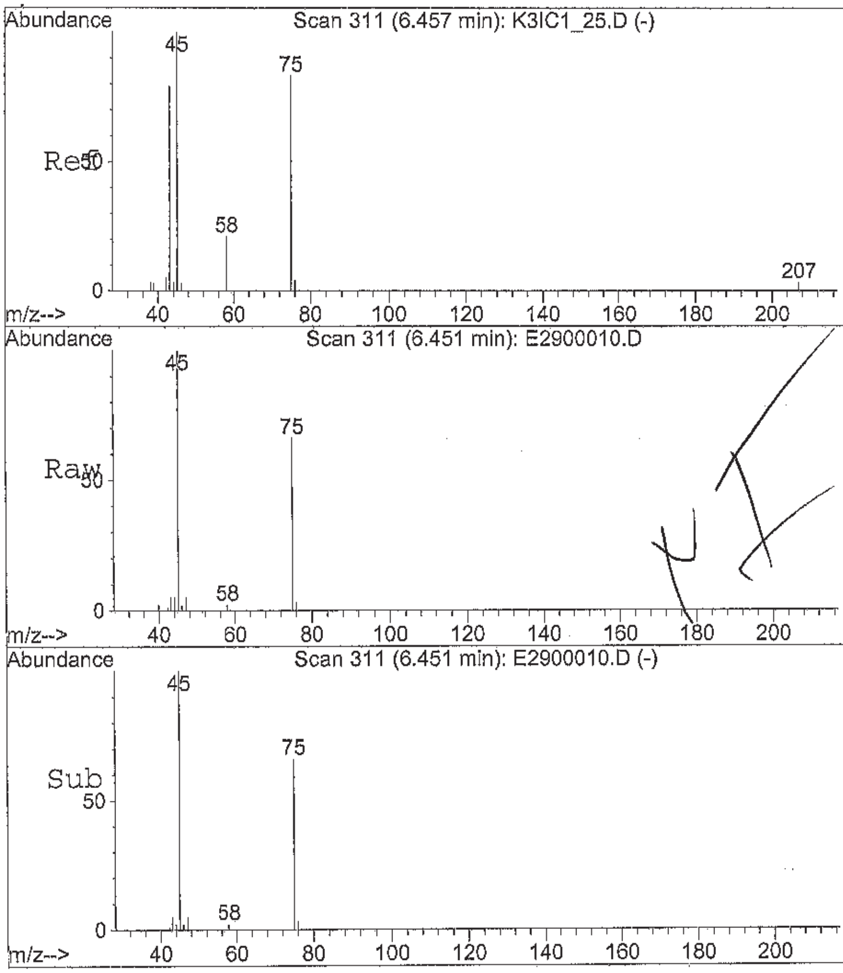




#7
Chloroethane
Concen: 2.01 ug/L
RT: 5.18 min Scan# 160
Delta R.T. -0.06 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 64	Resp:		1705
Ion	Ratio	Lower	Upper
64	100		
66	35.4	35.4	53.0

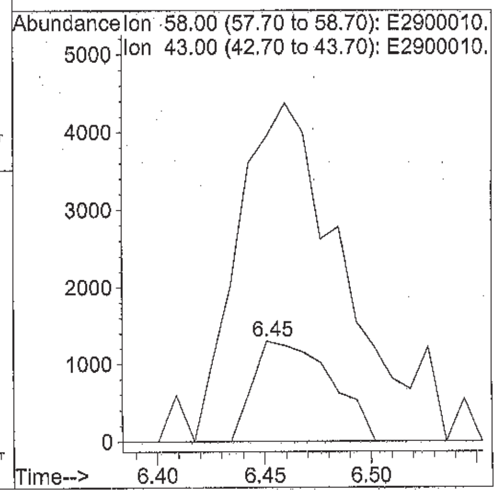


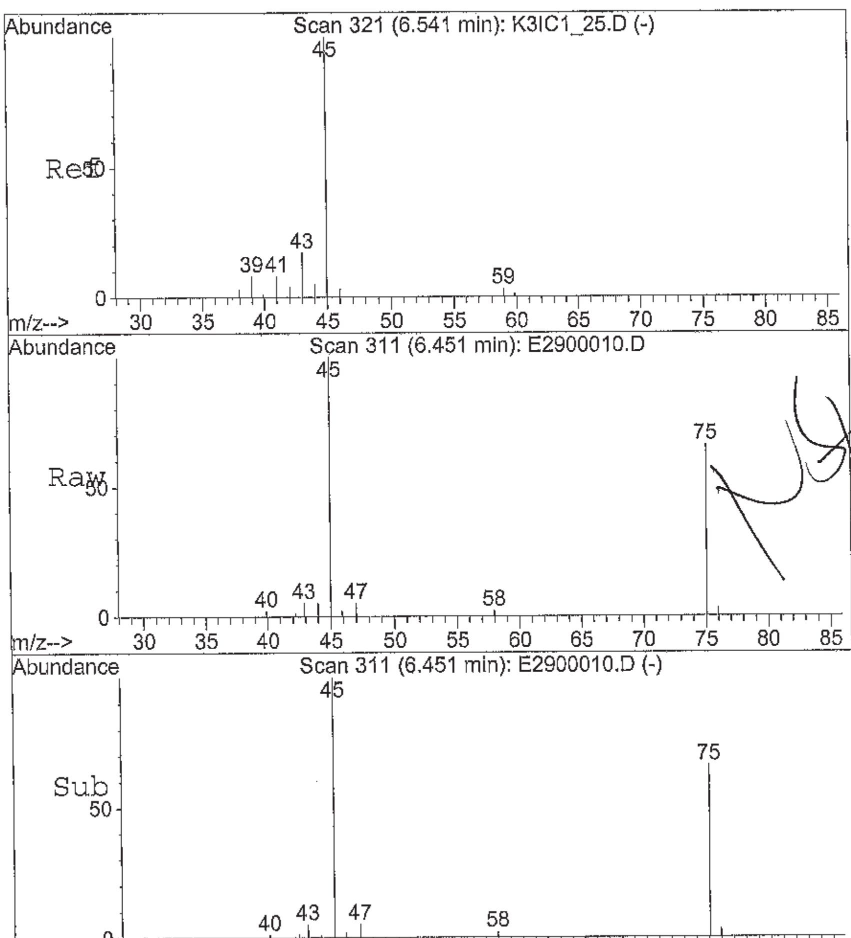


#11
Acetone
Concen: 0.32 ug/L
RT: 6.45 min Scan# 311
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 58 Resp: 3282

Ion	Ratio	Lower	Upper
58	100		
43	478.2	360.9	541.3

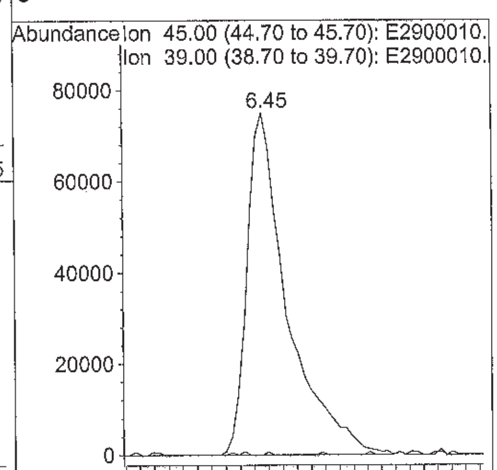


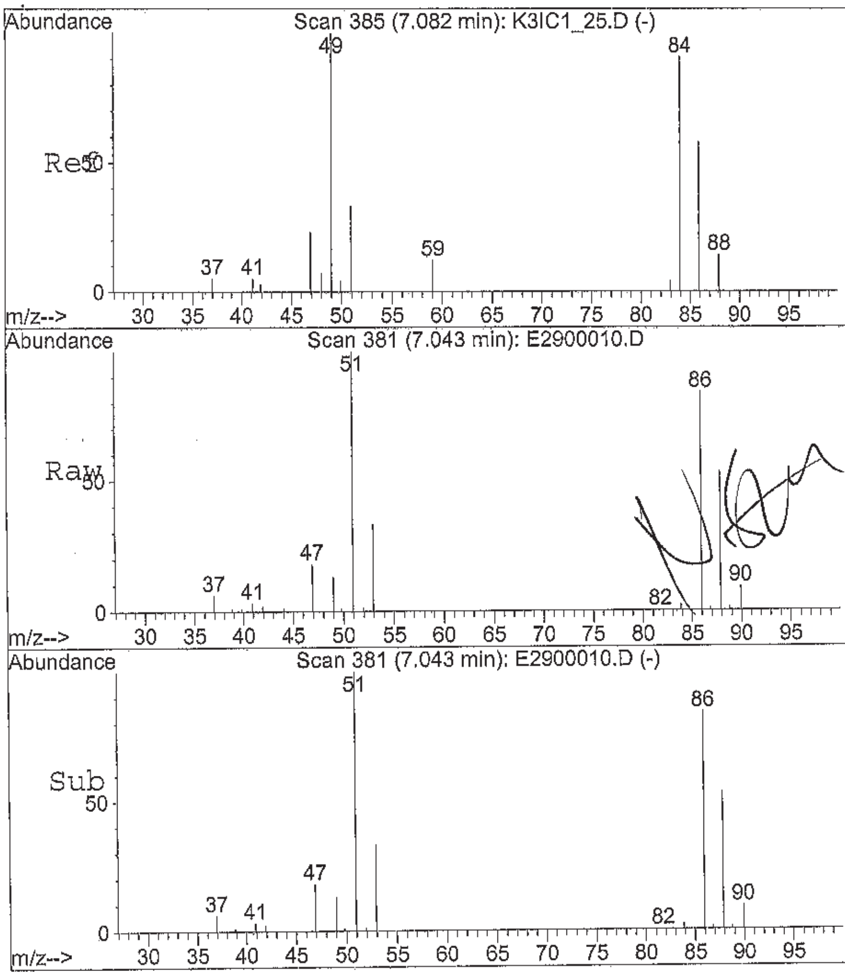


#12
(IPA) Leak Check Compound
Concen: 1586.91 ug/L
RT: 6.45 min Scan# 311
Delta R.T. -0.09 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 45 Resp: 295413

Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#

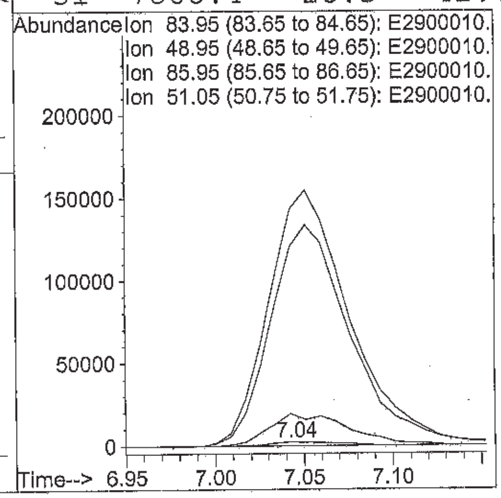


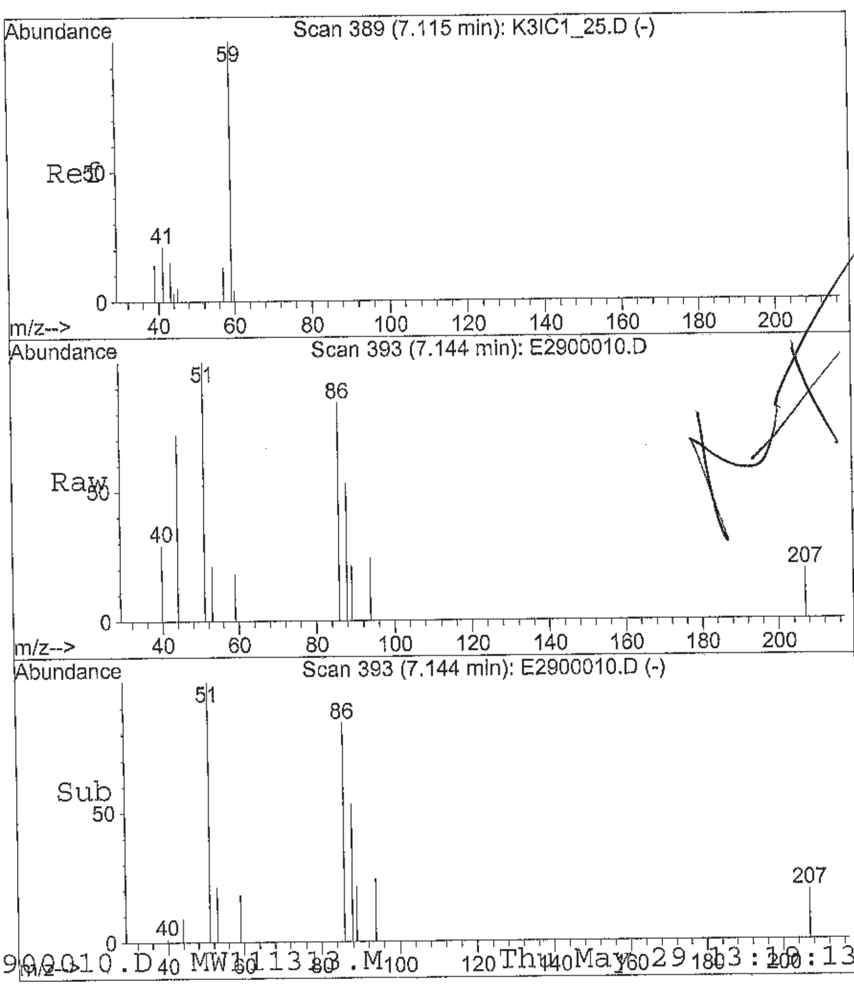


#14
Methylene Chloride
Concen: 1.48 ug/L
RT: 7.04 min   Scan# 381
Delta R.T.   -0.04 min
Lab File: E2900010.D
Acq: 29 May 2014   12:57 pm

Tgt Ion: 84 Resp: 6276

Ion	Ratio	Lower	Upper
84	100		
49	955.2	89.8	134.6#
86	6681.1	51.1	76.7#
51	7868.4	28.5	42.7#

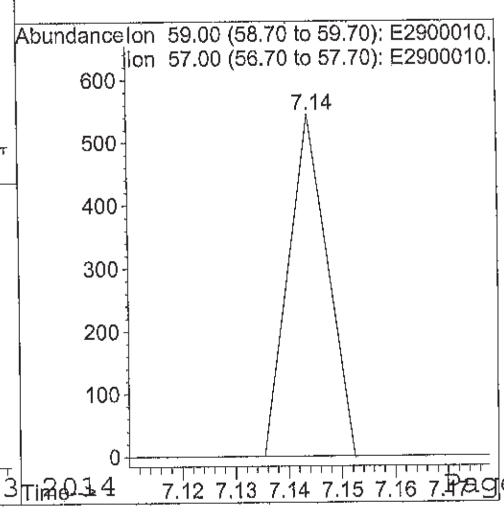


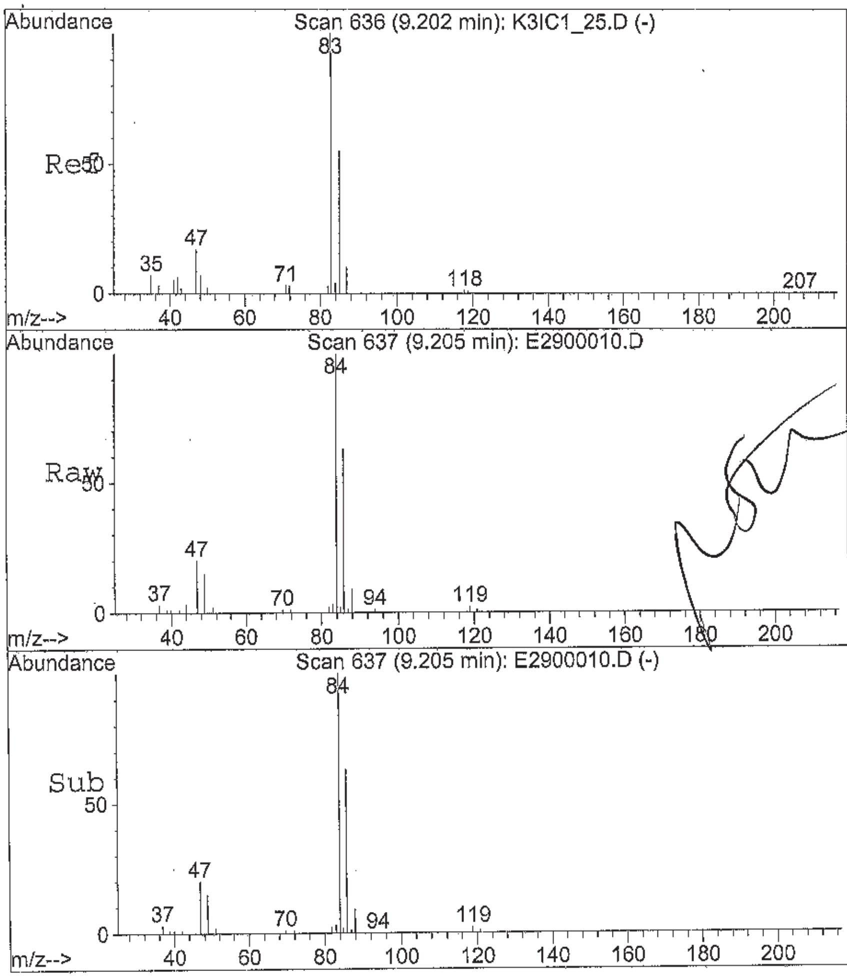


#15
(TBA) tert-Butanol
Concen: 1.04 ug/L
RT: 7.14 min   Scan# 393
Delta R.T.   0.03 min
Lab File: E2900010.D
Acq: 29 May 2014   12:57 pm

Tgt Ion: 59 Resp: 276

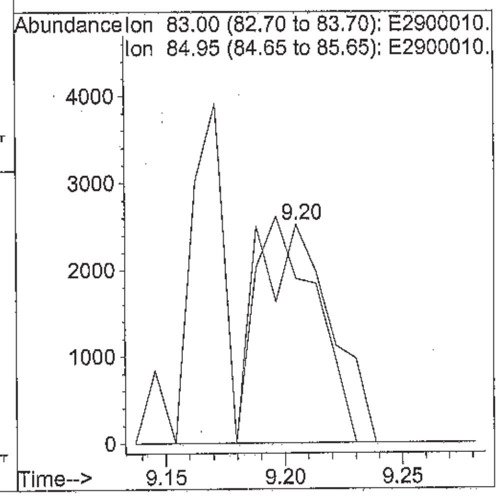
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

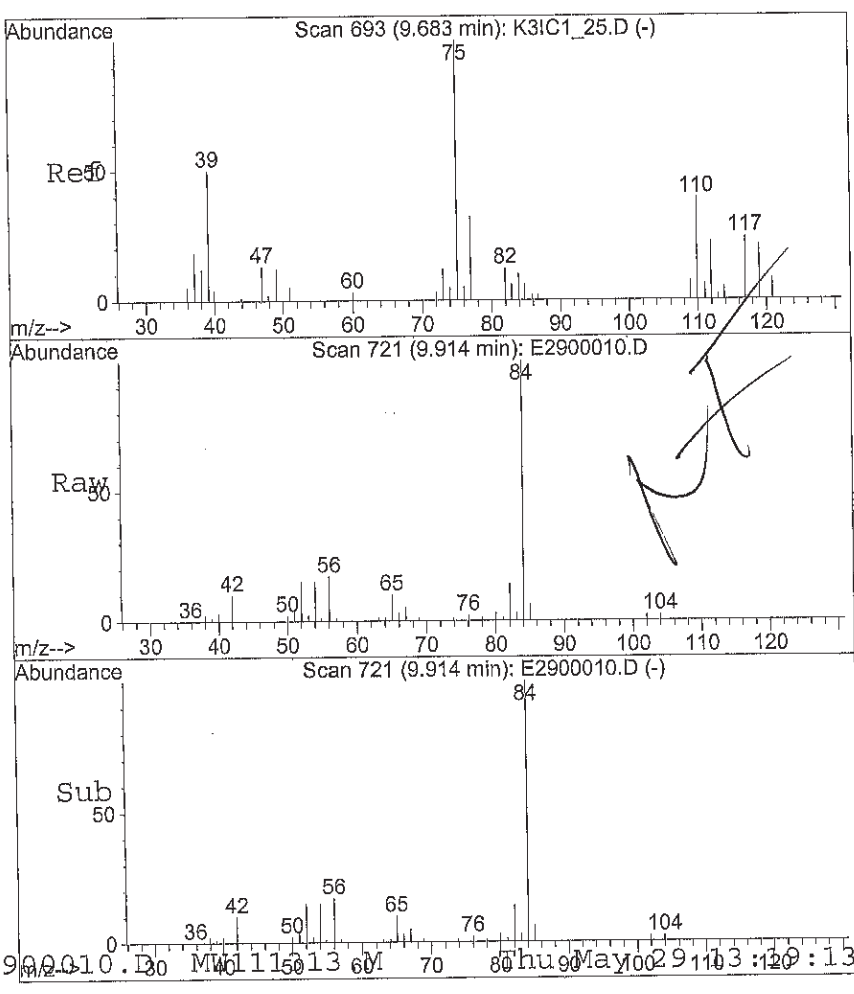




#24
Chloroform
Concen: 0.67 ug/L
RT: 9.20 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

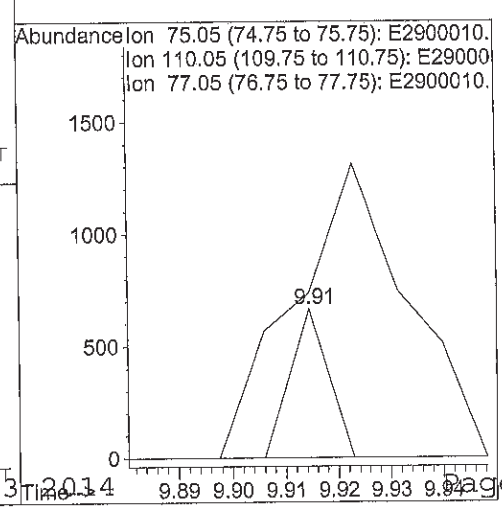
Tgt Ion:	83	Resp:	5430
Ion	Ratio	Lower	Upper
83	100		
85	87.1	51.8	77.6#

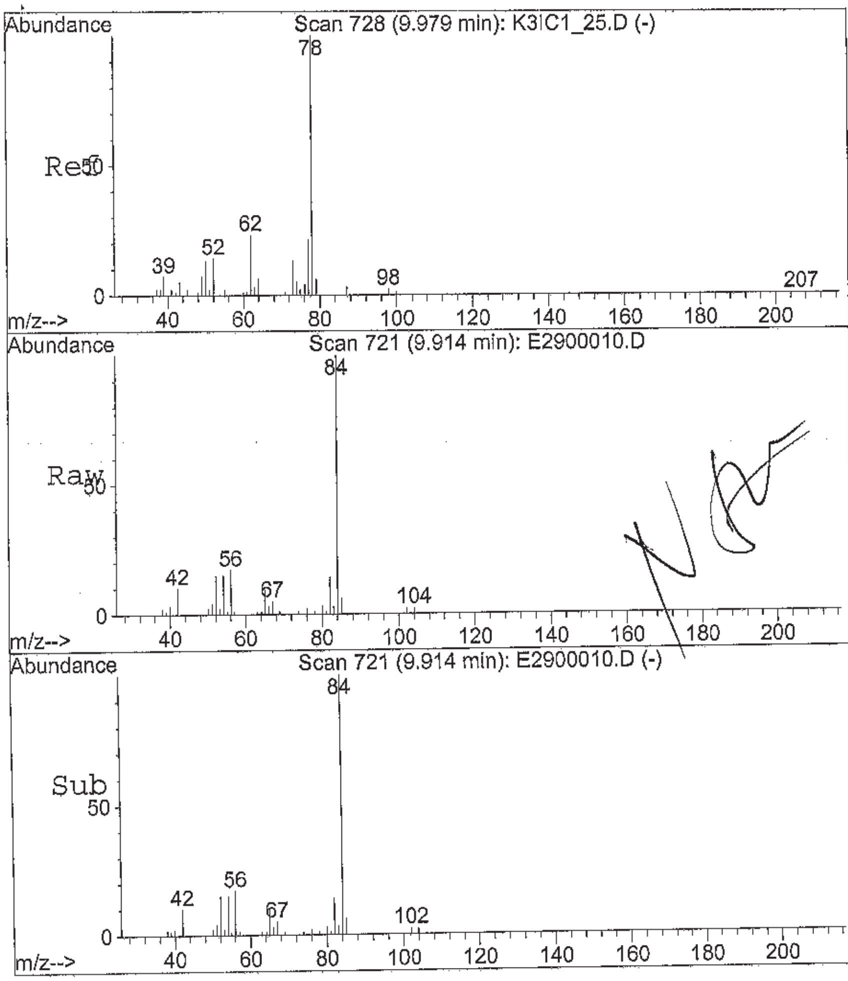




#29
1,1-Dichloropropene
Concen: 0.06 ug/L
RT: 9.91 min Scan# 721
Delta R.T. 0.23 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion:	75	Resp:	337
Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	582.8	25.0	37.4#

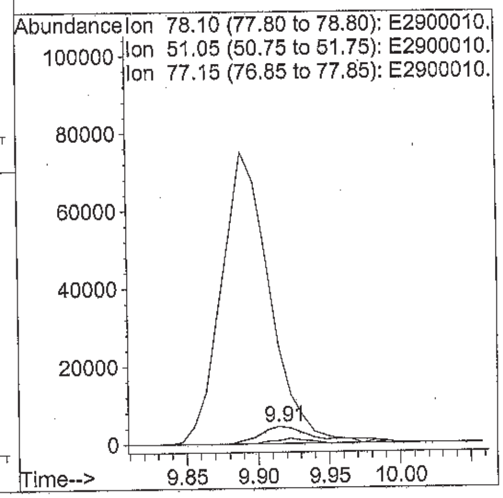


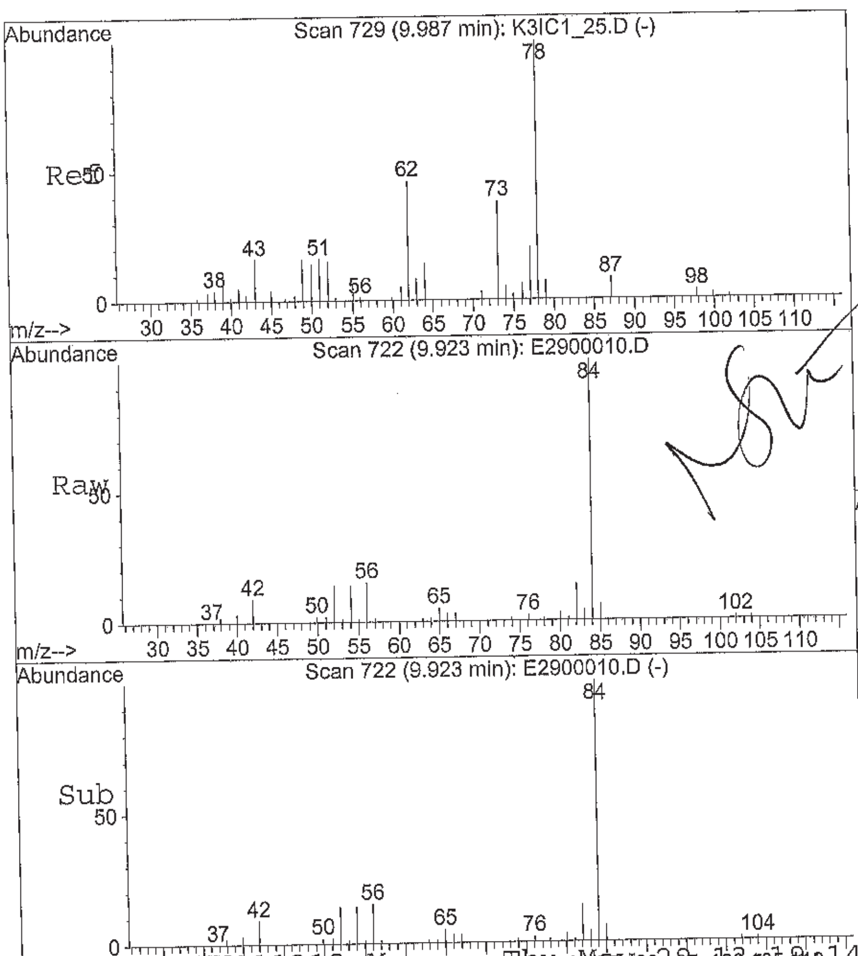


#31
Benzene
Concen: 0.81 ug/L
RT: 9.91 min Scan# 721
Delta R.T. -0.06 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 78 Resp: 11857

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	16.6	16.6	24.8

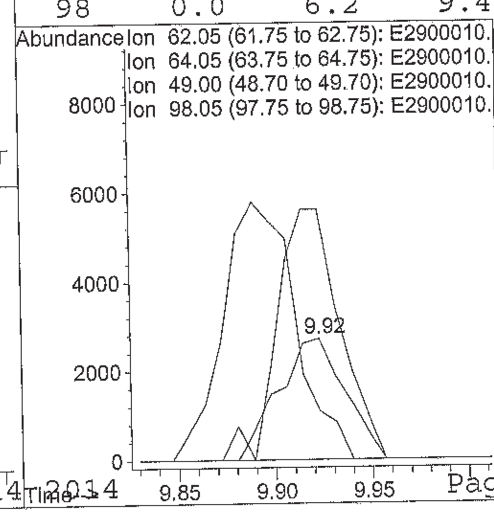


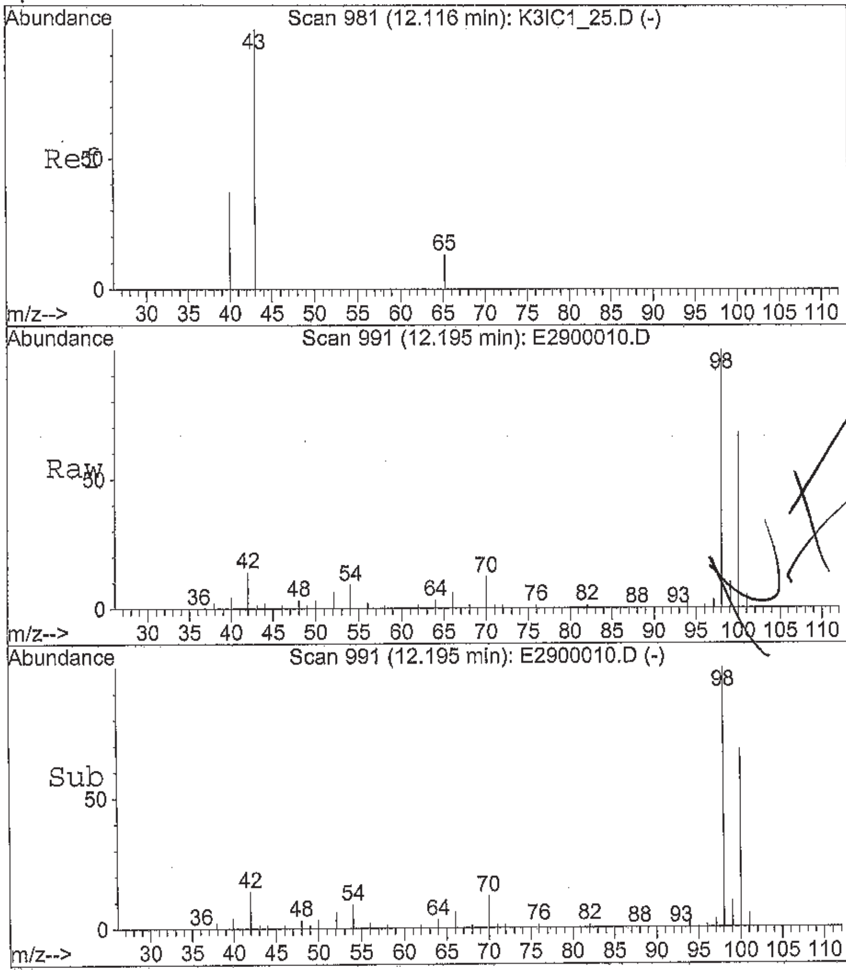


#32
1,2-Dichloroethane
Concen: 1.26 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 62 Resp: 6485

Ion	Ratio	Lower	Upper
62	100		
64	194.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

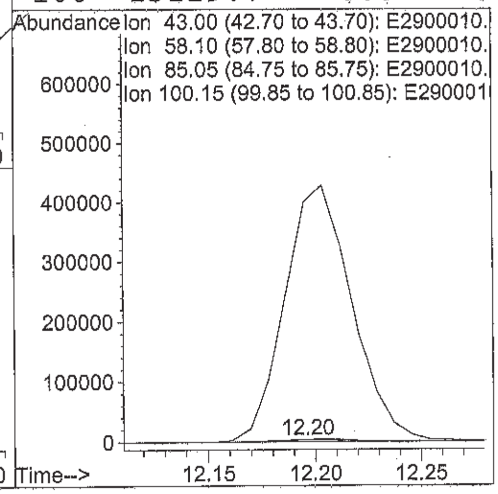


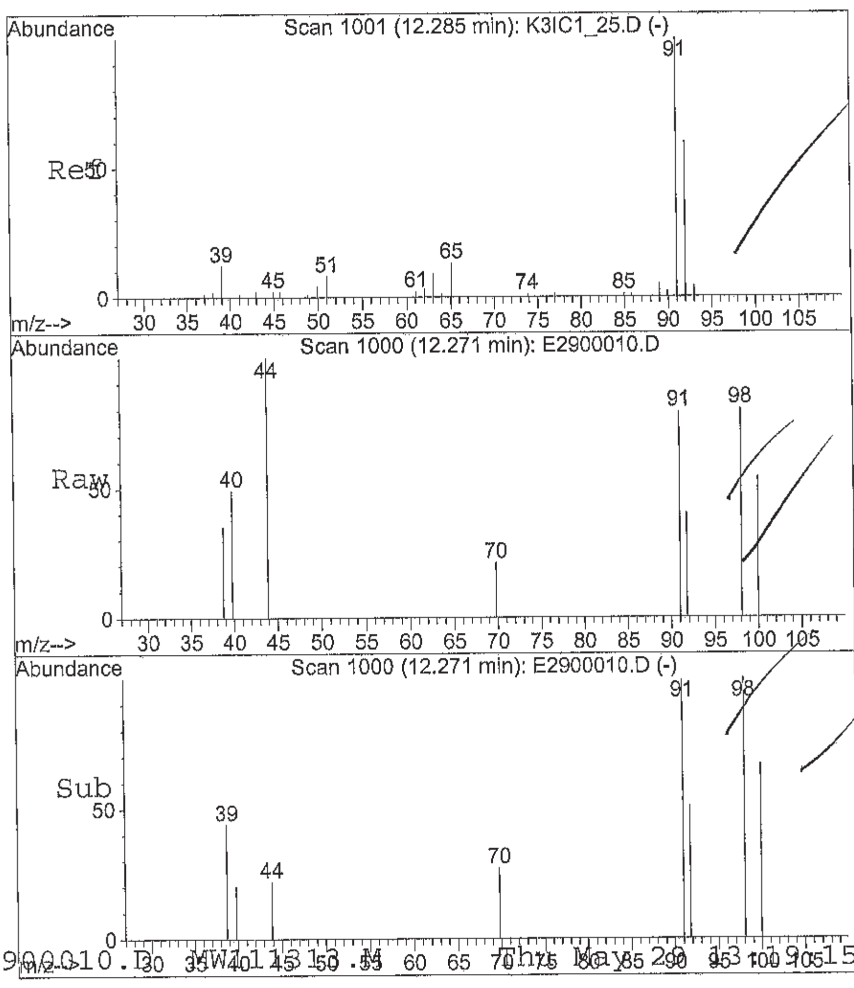


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.81 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 43 Resp: 7141

Ion	Ratio	Lower	Upper
43	100		
58	136.7	0.0	0.0#
85	0.0	0.0	0.0
100	13119.7	0.0	0.0#

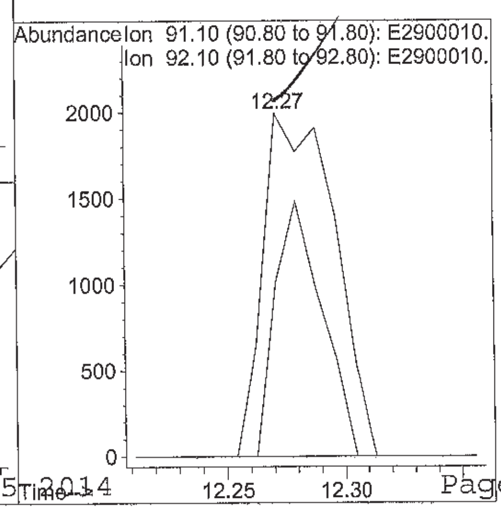


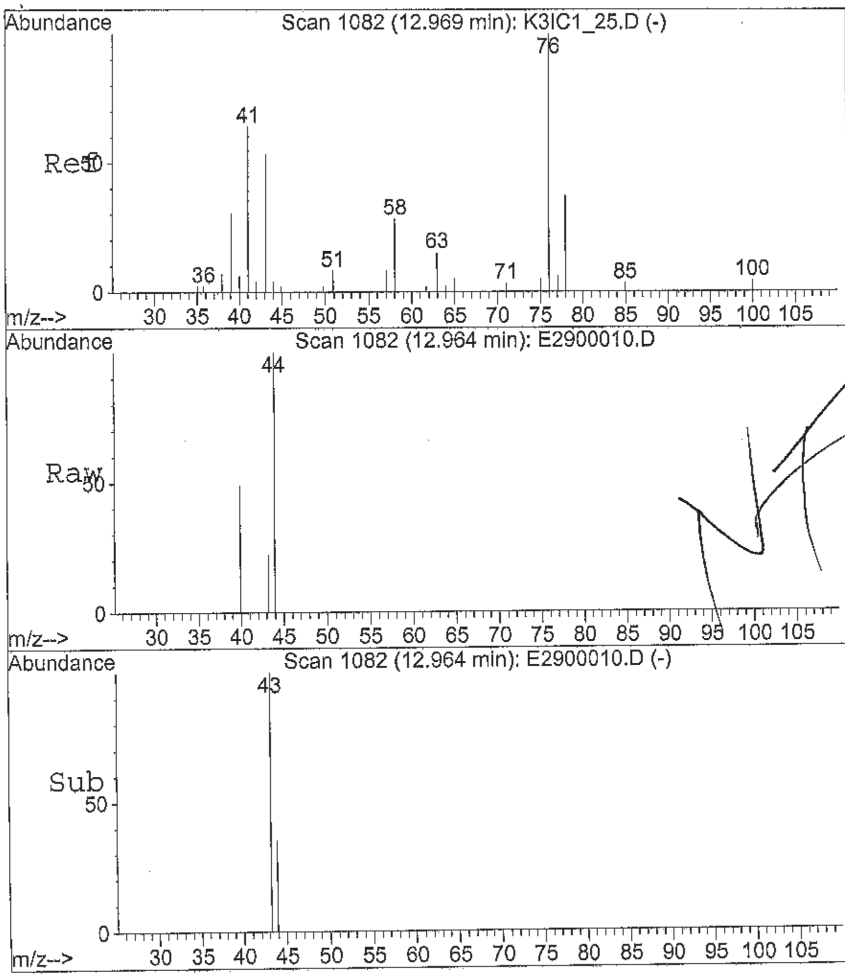


#41
Toluene
Concen: 0.24 ug/L
RT: 12.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 91 Resp: 4180

Ion	Ratio	Lower	Upper
91	100		
92	49.0	47.4	71.0

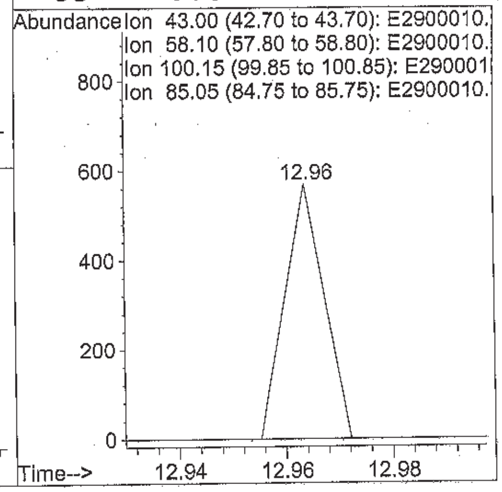


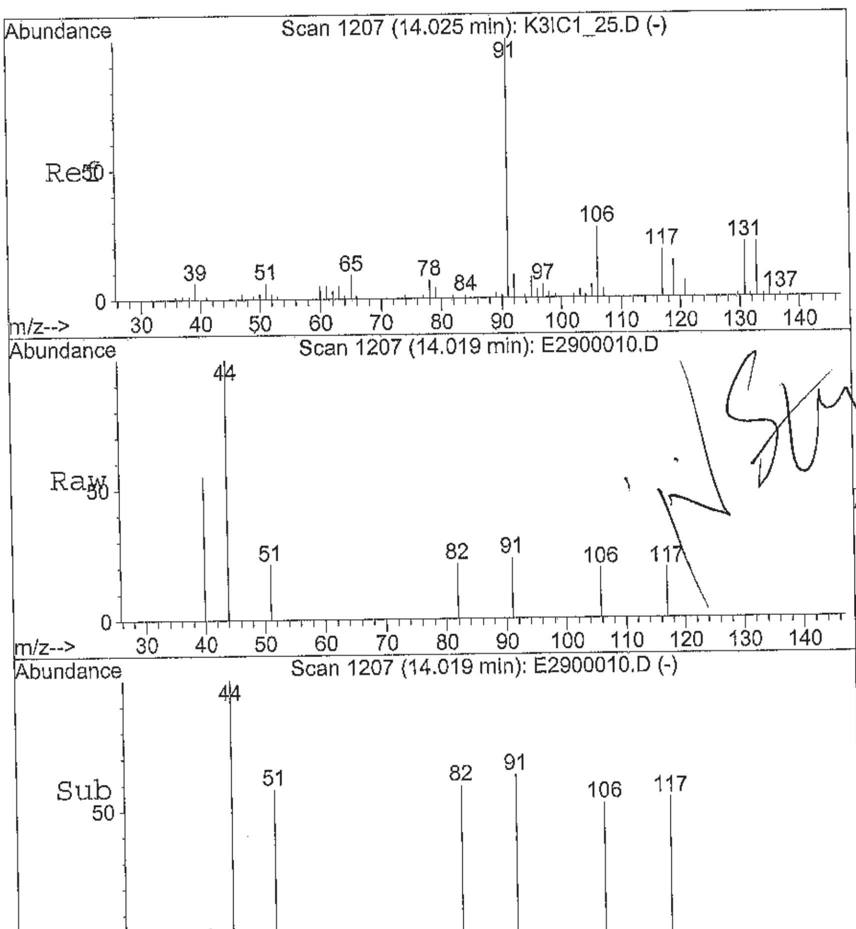


#46
2-Hexanone
Concen: 0.10 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 43 Resp: 288

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

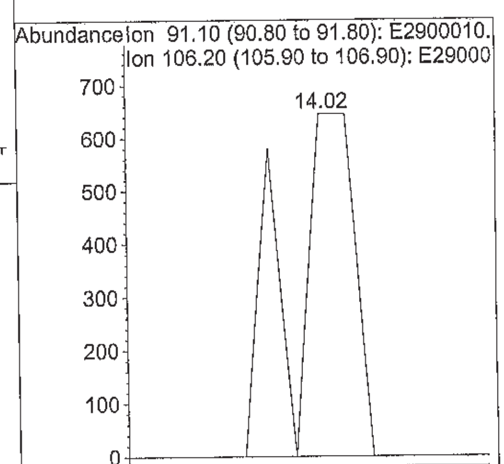


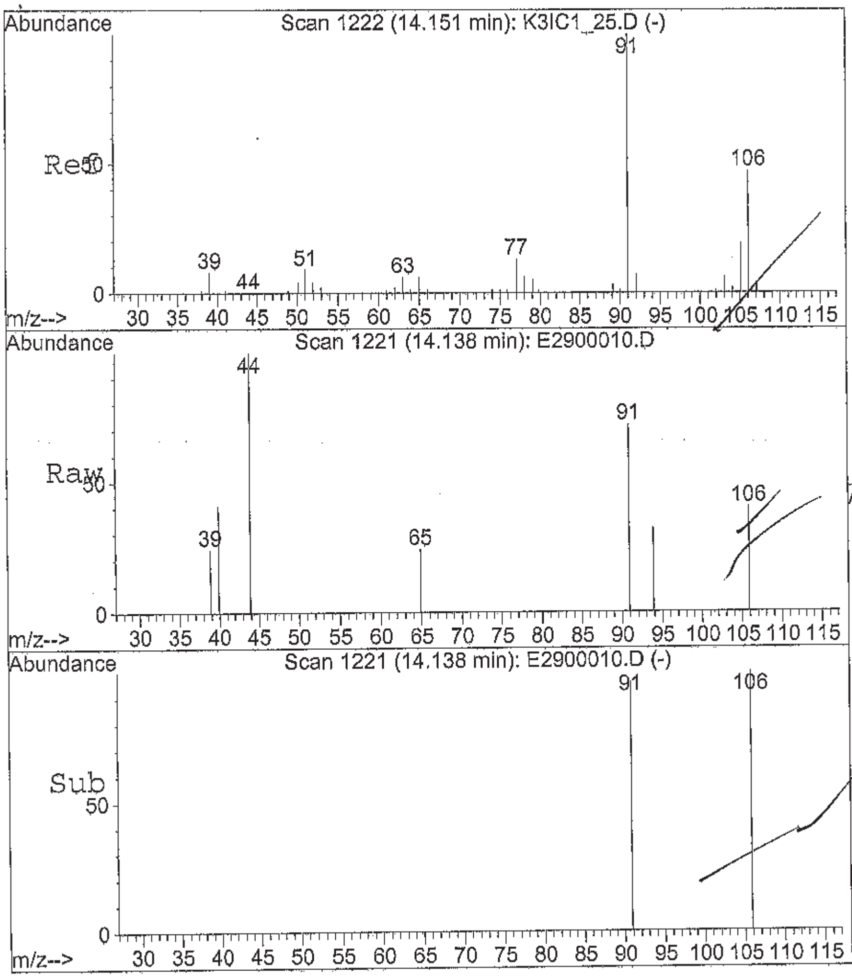


#51
Ethylbenzene
Concen: 0.05 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 91 Resp: 948

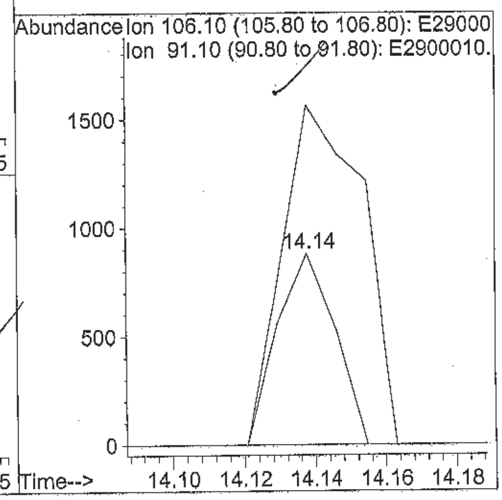
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

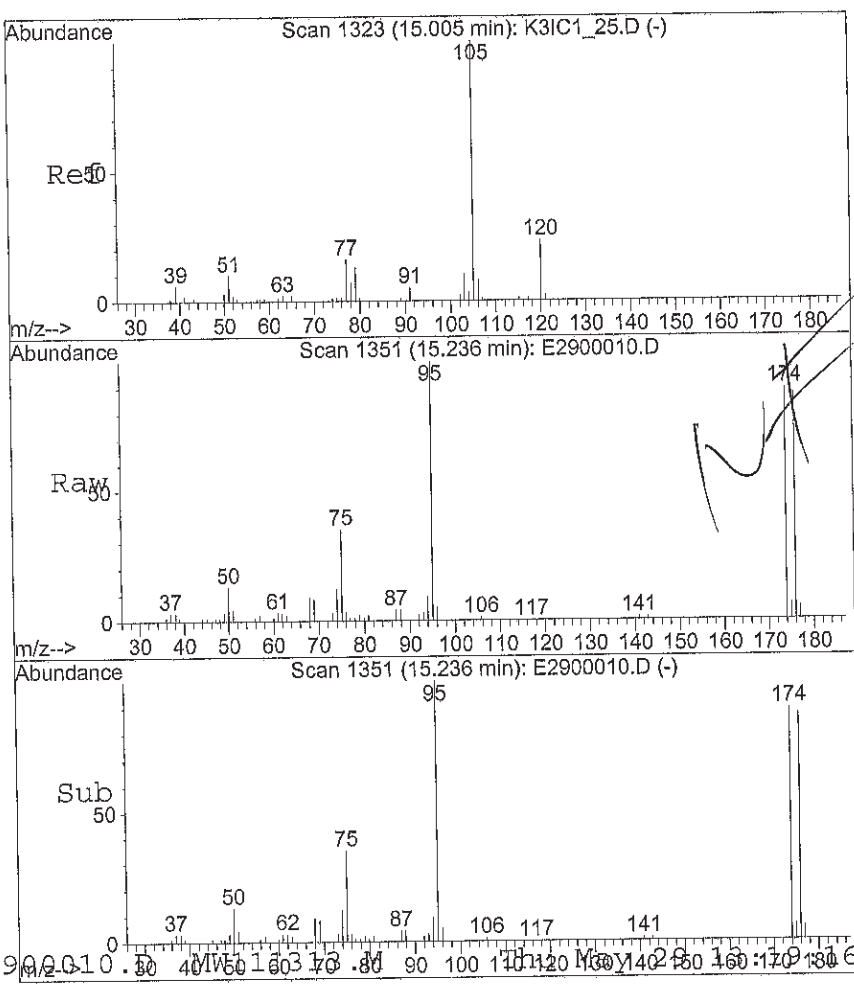




#52
m,p-Xylenes
Concen: 0.14 ug/L
RT: 14.14 min   Scan# 1221
Delta R.T.   -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014   12:57 pm

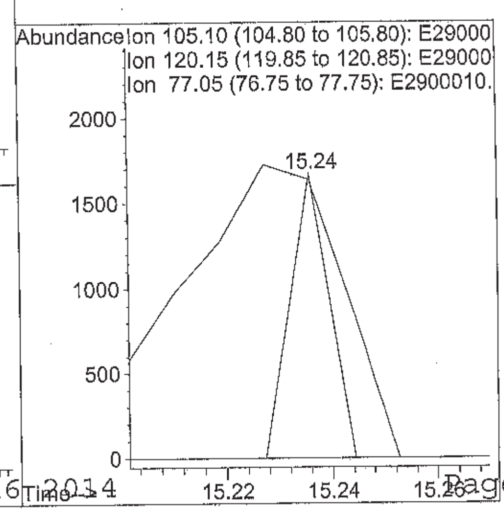
Tgt	Ion:106	Resp:	990
Ion	Ratio	Lower	Upper
106	100		
91	249.0	177.1	265.7

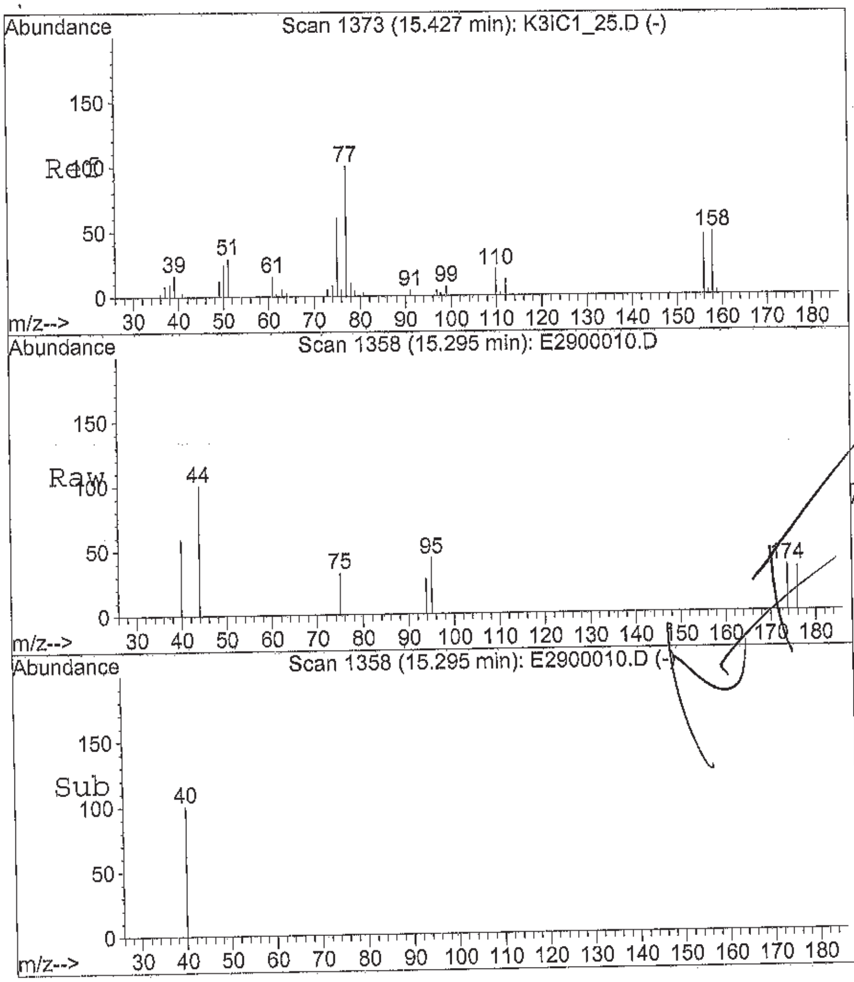




#56
Isopropylbenzene
Concen: 0.04 ug/L
RT: 15.24 min   Scan# 1351
Delta R.T.   0.23 min
Lab File: E2900010.D
Acq: 29 May 2014   12:57 pm

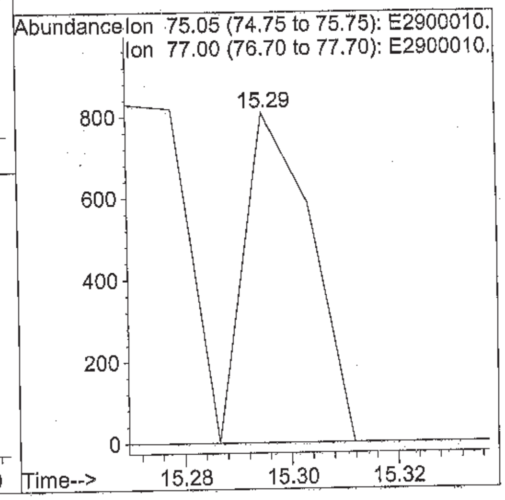
Tgt	Ion:105	Resp:	847
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	420.9	13.1	19.7#

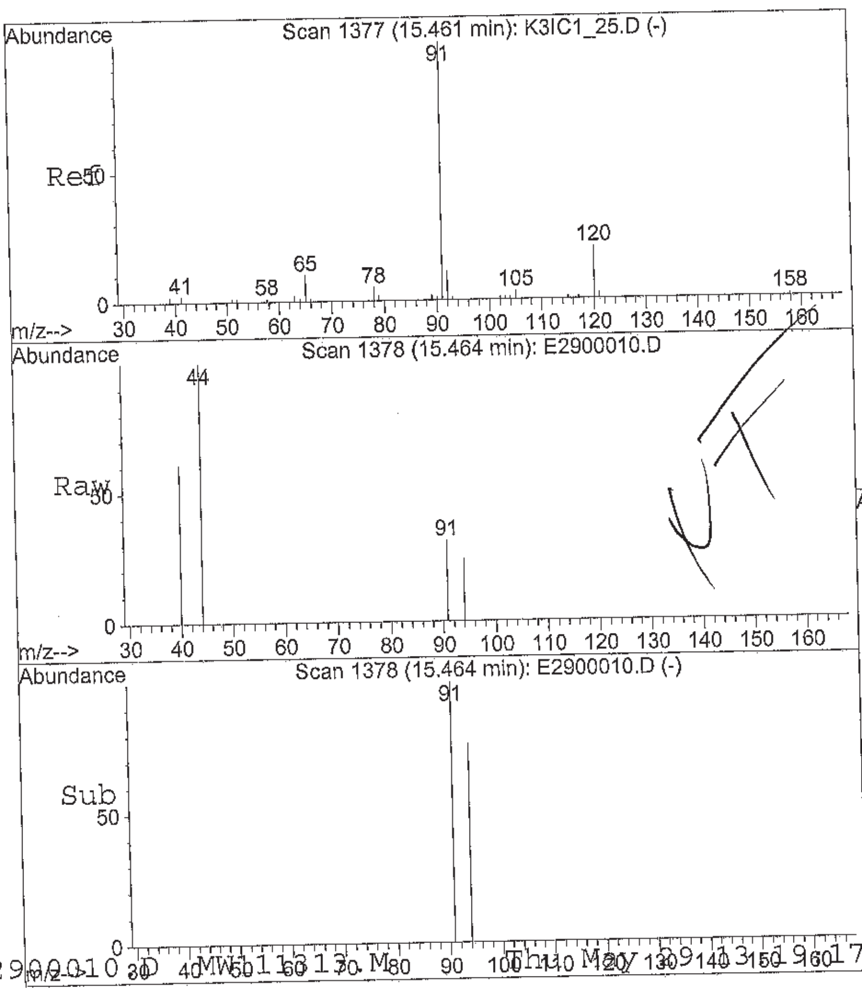




#57
1,2,3-Trichloropropane
Concen: 0.14 ug/L
RT: 15.29 min Scan# 1358
Delta R.T. -0.13 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

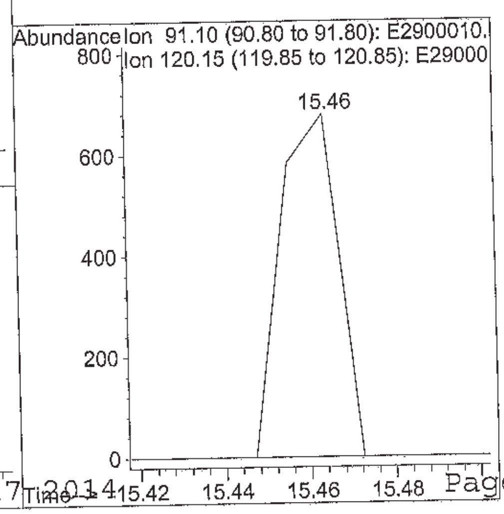
Tgt Ion: 75	Resp:		707
Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

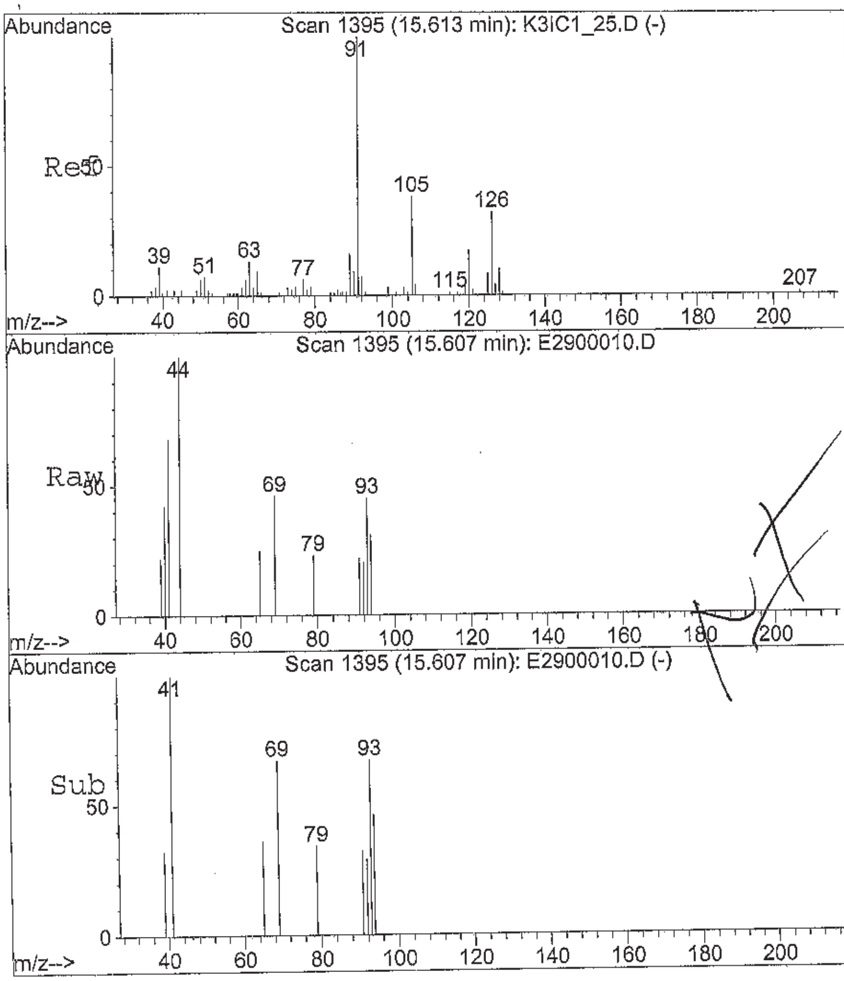




#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 91	Resp:		640
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

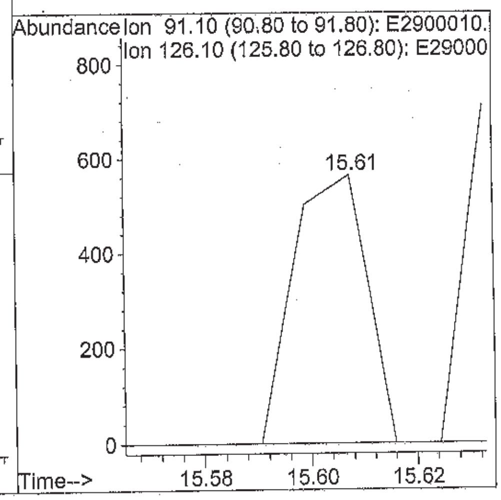


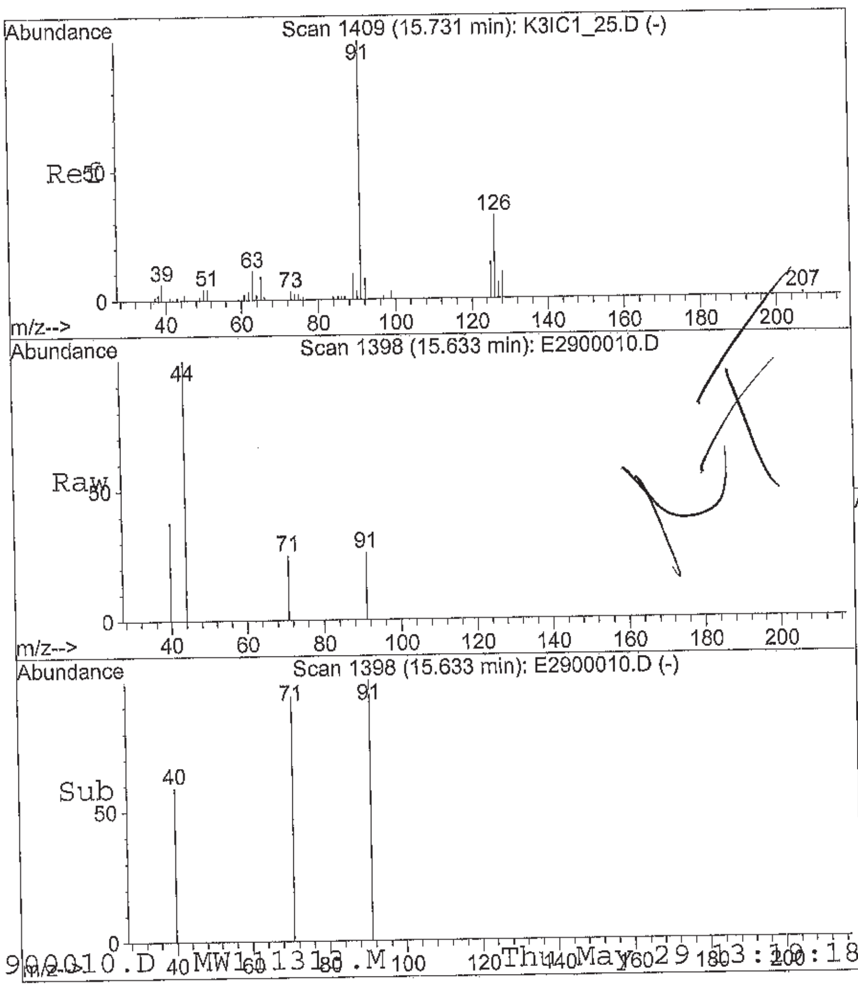


#63
2-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.61 min Scan# 1395
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 91 Resp: 540

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

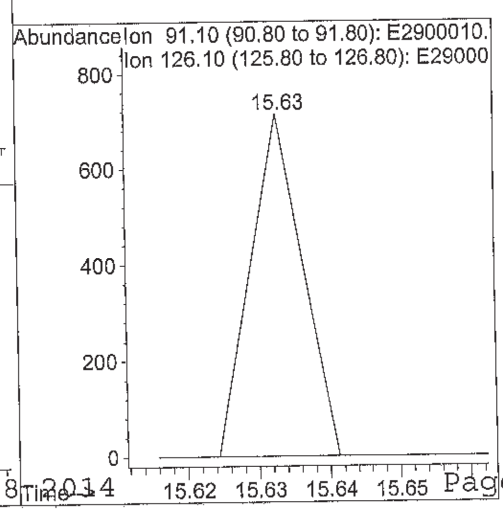


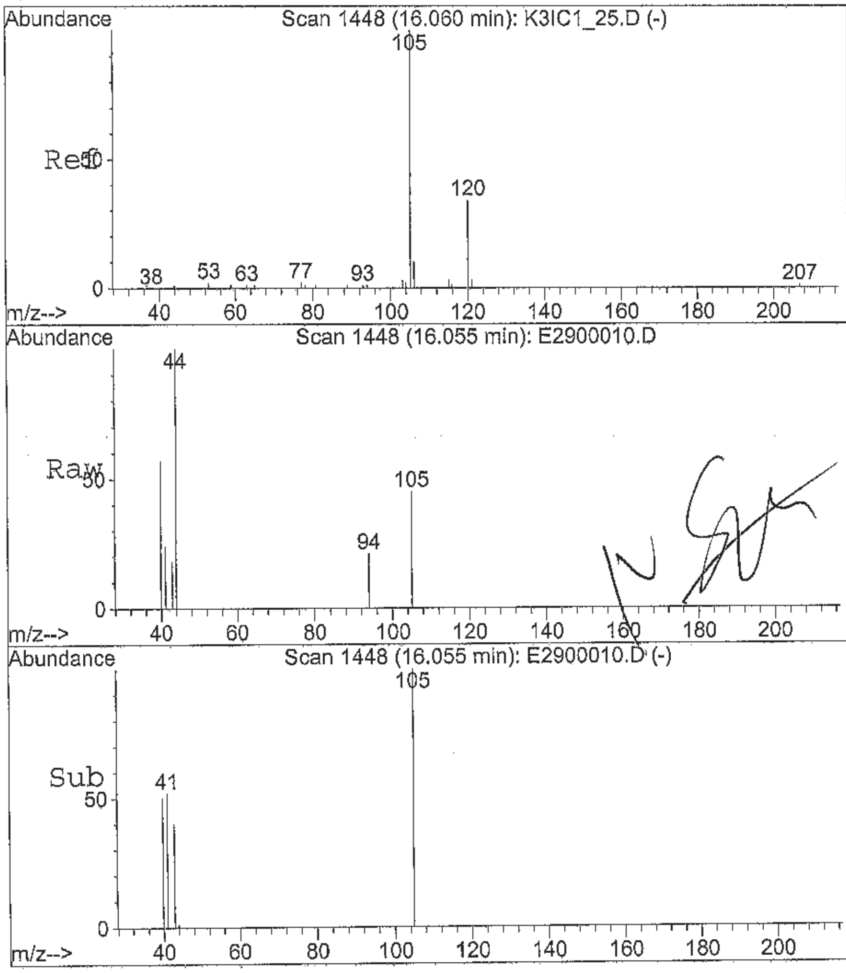


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.63 min Scan# 1398
Delta R.T. -0.10 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 91 Resp: 361

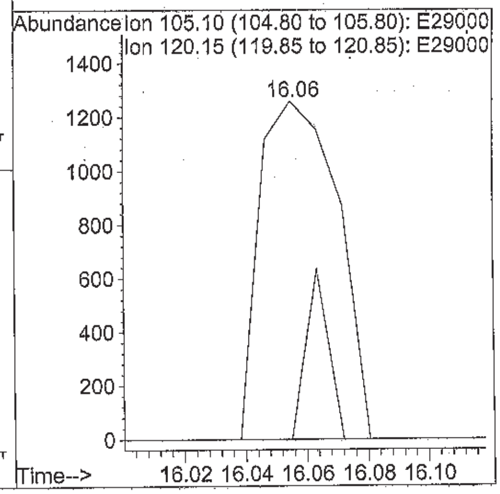
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

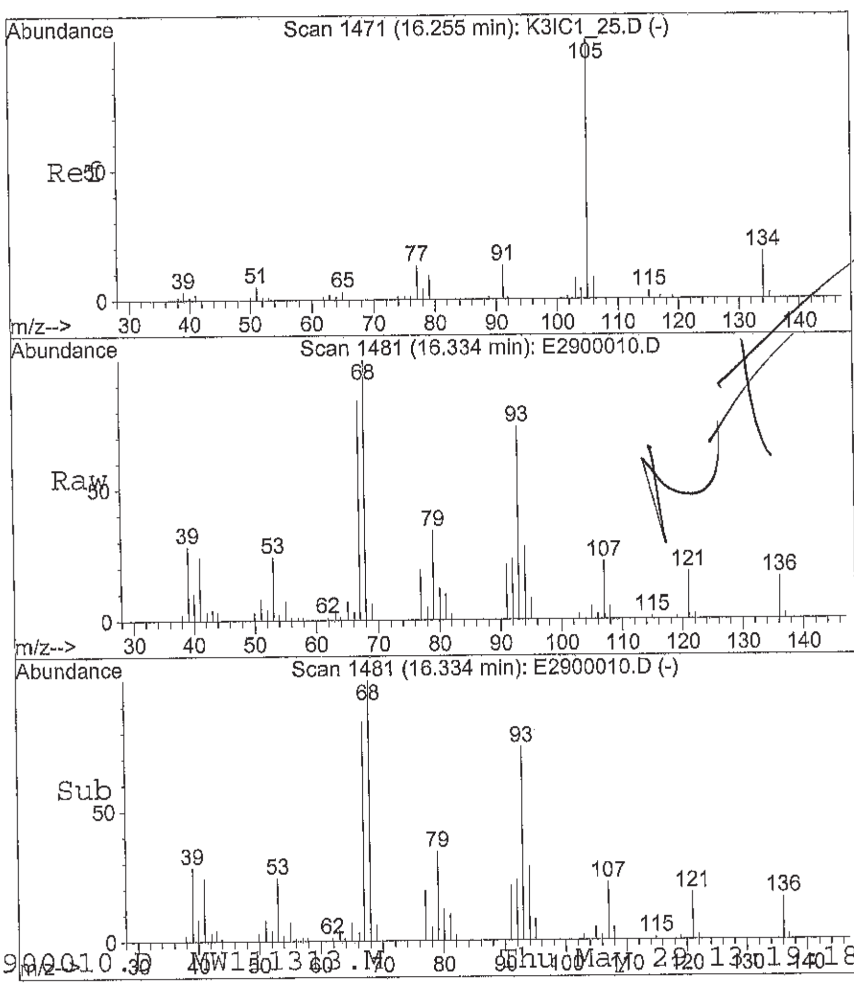




#67
1,2,4-Trimethylbenzene
Concen: 0.12 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

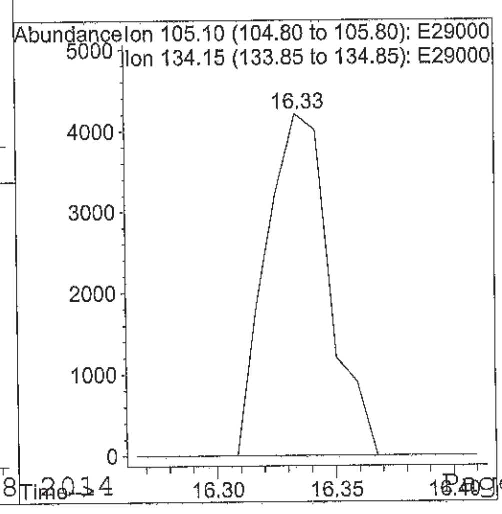
Tgt Ion:105	Resp:		2229
Ion	Ratio	Lower	Upper
105	100		
120	14.4	33.8	50.8#

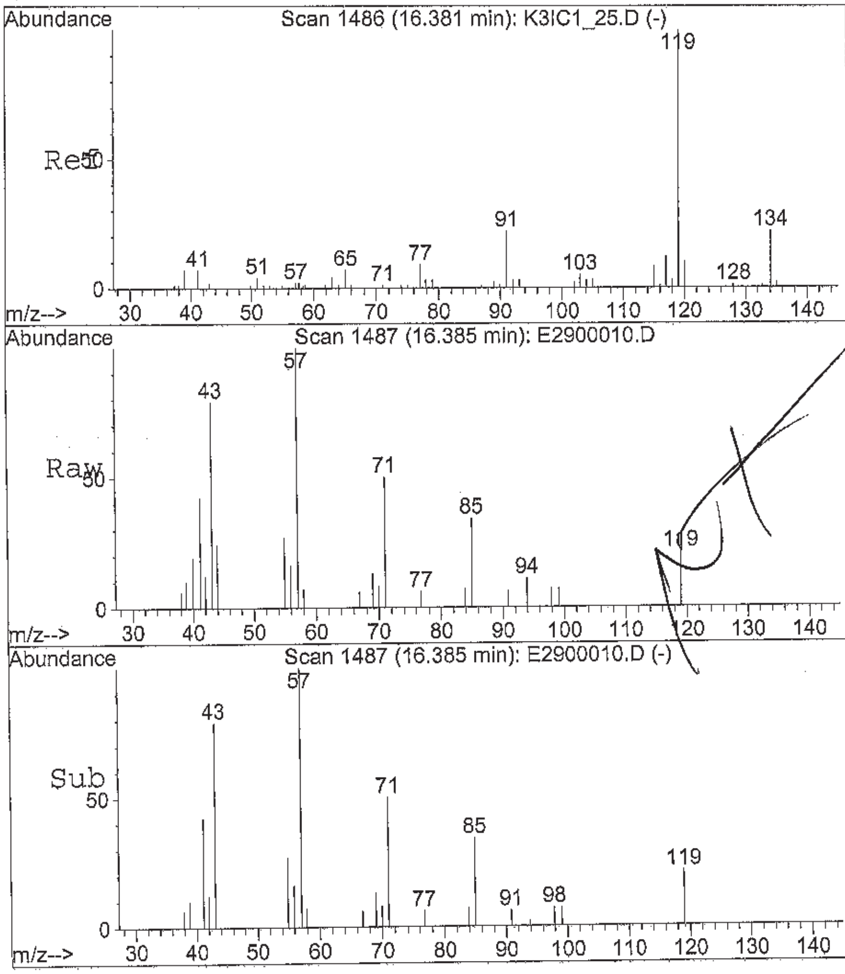




#68
sec-Butylbenzene
Concen: 0.33 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion:105	Resp:		7772
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

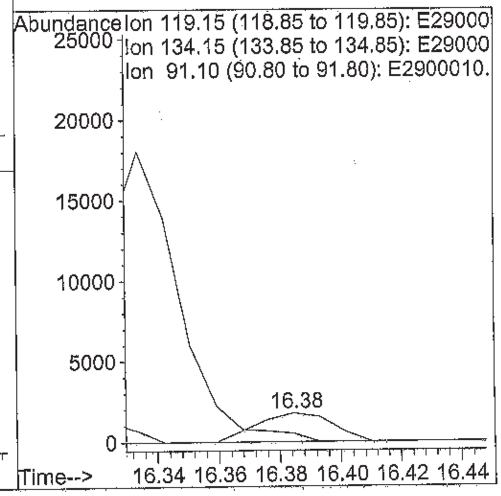


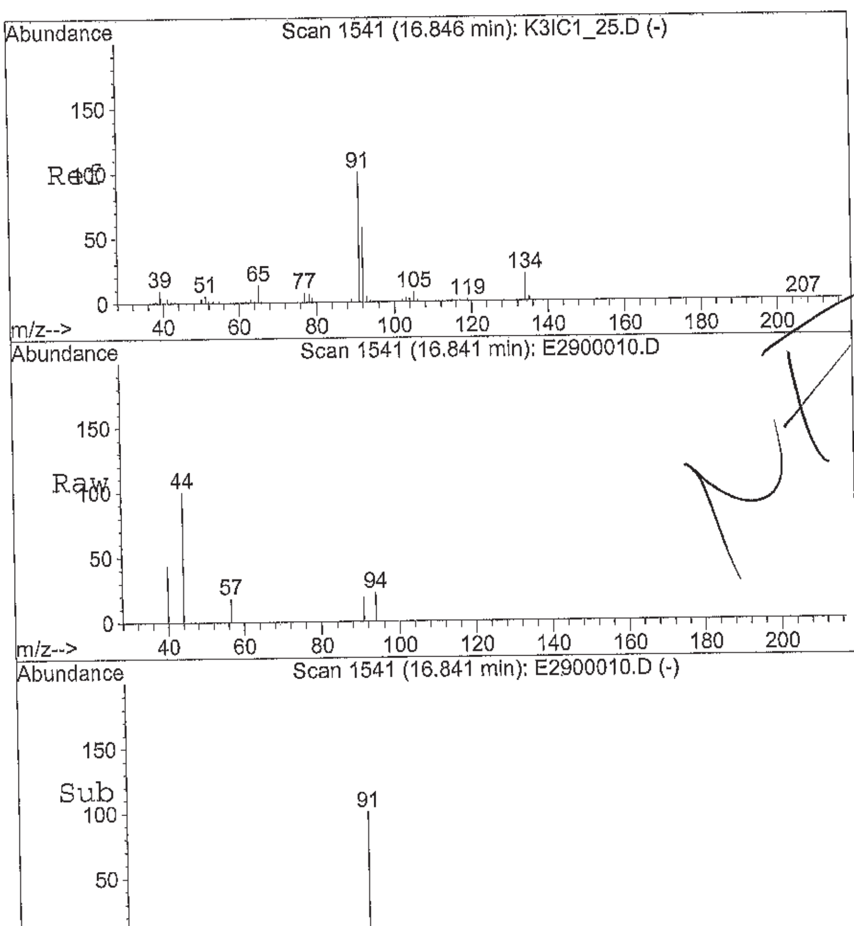


#69
p-Isopropyltoluene
Concen: 0.16 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion:119 Resp: 3006

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

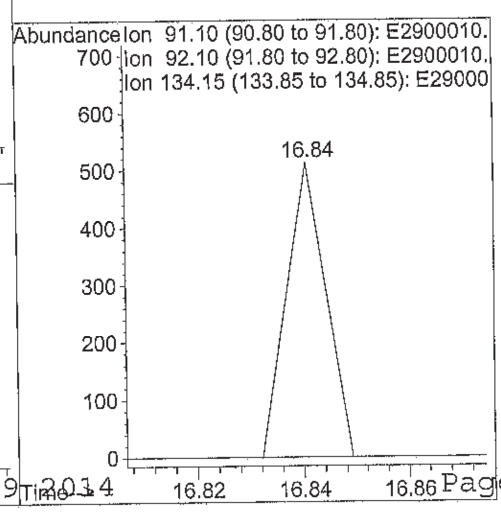


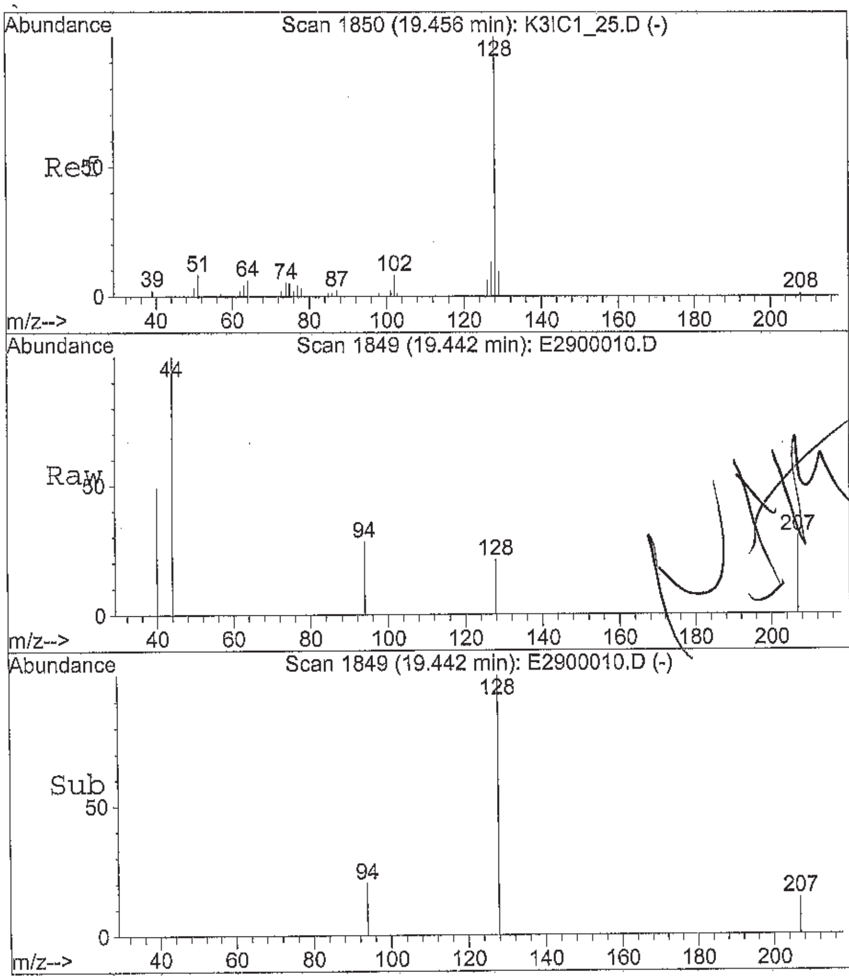


#72
n-Butylbenzene
Concen: 0.01 ug/L
RT: 16.84 min Scan# 1541
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion: 91 Resp: 260

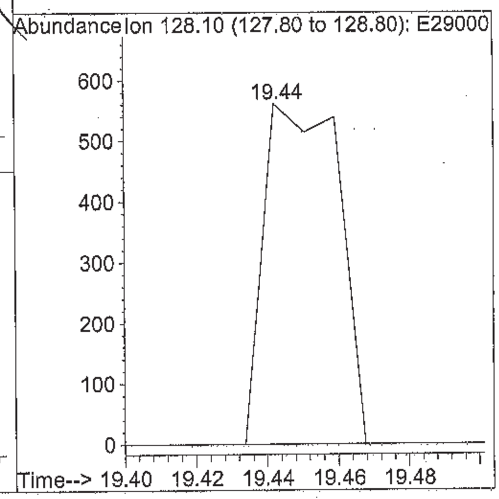
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#





#77
Naphthalene
Concen: 0.06 ug/L
RT: 19.44 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E2900010.D
Acq: 29 May 2014 12:57 pm

Tgt Ion:128 Resp: 818



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900010.D Vial: 1
Acq On : 29 May 2014 12:57 pm Operator: DN
Sample : 3E42901-09 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-4.5-5.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:18 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1549175	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1274770	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	707525	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	452955	11.24	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	89.92%		
3) Chloroform-d (SU6)	9.18	84	733074	12.68	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery =	101.44%		
4) Methylene Chloride-d2 (SU5	7.05	86	419040	12.40	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	99.20%		
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	438016	15.91	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	127.28%#		
6) Benzene-d6 (SU7)	9.92	84	1435161	11.81	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	94.48%		
8) Toluene-d8 (SU3)	12.20	98	1388281	11.48	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.84%		
9) 4-Bromofluorobenzene (SU4)	15.23	95	693437	13.89	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.12%		

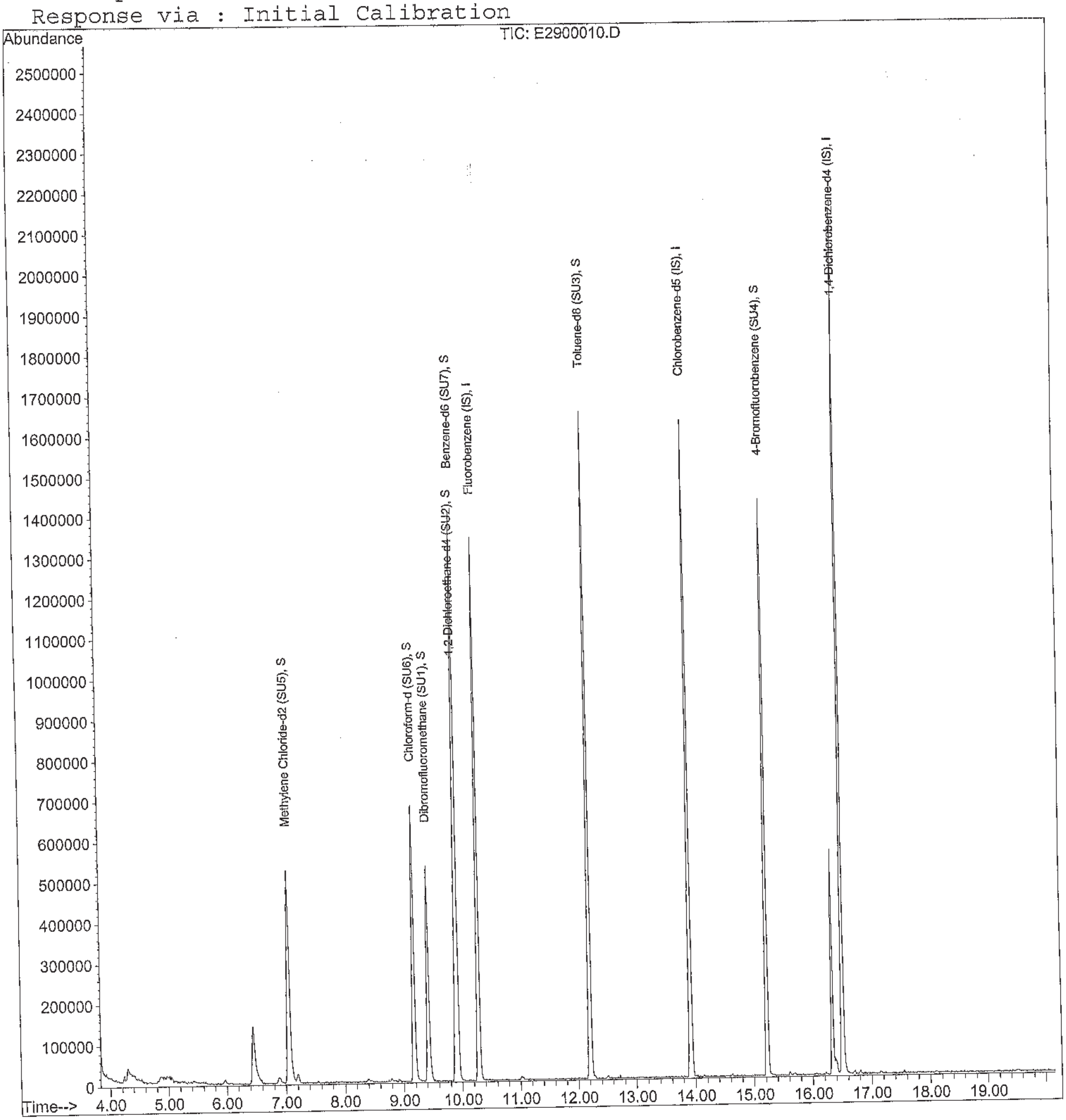
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900010.D Vial: 1
Acq On : 29 May 2014 12:57 pm Operator: DN
Sample : 3E42901-09 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-4.5-5.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:18 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900011.D Vial: 2
Acq On : 29 May 2014 1:26 pm Operator: DN
Sample : 3E42901-10 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-8.5-9.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:54 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AR

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	2000126	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1513788	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	768922	12.50	ug/L	0.00

System Monitoring Compounds

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	532657	10.68	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	=	85.44%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	447940	9.45	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	75.60%	
39) Toluene-d8 (SU3)	12.20	98	1746770	12.37	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	98.96%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	794899	12.84	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	102.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.37	50	1149	-0.88	~~ug/L~~ #	41
6) Bromomethane	5.15	96	4493	0.27	~~ug/L~~ #	1
7) Chloroethane	5.24	64	1927	1.84	ug/L #	32
11) Acetone	6.47	58	10071	8.32	~~ug/L~~	91
12) (IPA) Leak Check Compound	6.50	45	9253	38.50	~~ug/L~~ #	82
13) Carbon disulfide	6.86	76	8384	0.50	~~ug/L~~ #	76
14) Methylene Chloride	7.08	84	6717	1.22	~~ug/L~~ #	1
20) 2,2-Dichloropropane	8.91	77	280	0.04	~~ug/L~~ #	36
24) Chloroform	9.20	83	4681	0.45	~~ug/L~~ #	10
29) 1,1-Dichloropropene	9.92	75	383	0.05	~~ug/L~~ #	1
31) Benzene	9.97	78	3112	0.17	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.93	62	8001	1.20	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	9526	3.15	~~ug/L~~ #	100
41) Toluene	12.29	91	7506	0.36	ug/L 0.0072	94
46) 2-Hexanone	12.96	43	1813	0.55	~~ug/L~~ #	80
51) Ethylbenzene	14.02	91	6143	0.26	ug/L # 0.0052	56
52) m,p-Xylenes	14.15	106	5691	0.68	ug/L 0.0136	96
53) o-Xylene	14.62	106	1440	0.17	ug/L # 0.0034	27
54) Styrene	14.62	104	3272	-0.59	~~ug/L~~ #	84
56) Isopropylbenzene	15.22	105	482	0.02	~~ug/L~~ #	1
57) 1,2,3-Trichloropropane	15.31	75	259	0.04	~~ug/L~~ #	36
62) n-Propylbenzene	15.46	91	1082	0.03	~~ug/L~~ #	56

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052914L3\E2900011.D Vial: 2
Acq On : 29 May 2014 1:26 pm Operator: DN
Sample : 3E42901-10 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-8.5-9.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:54 19114 Quant Results File: MW111313.RES

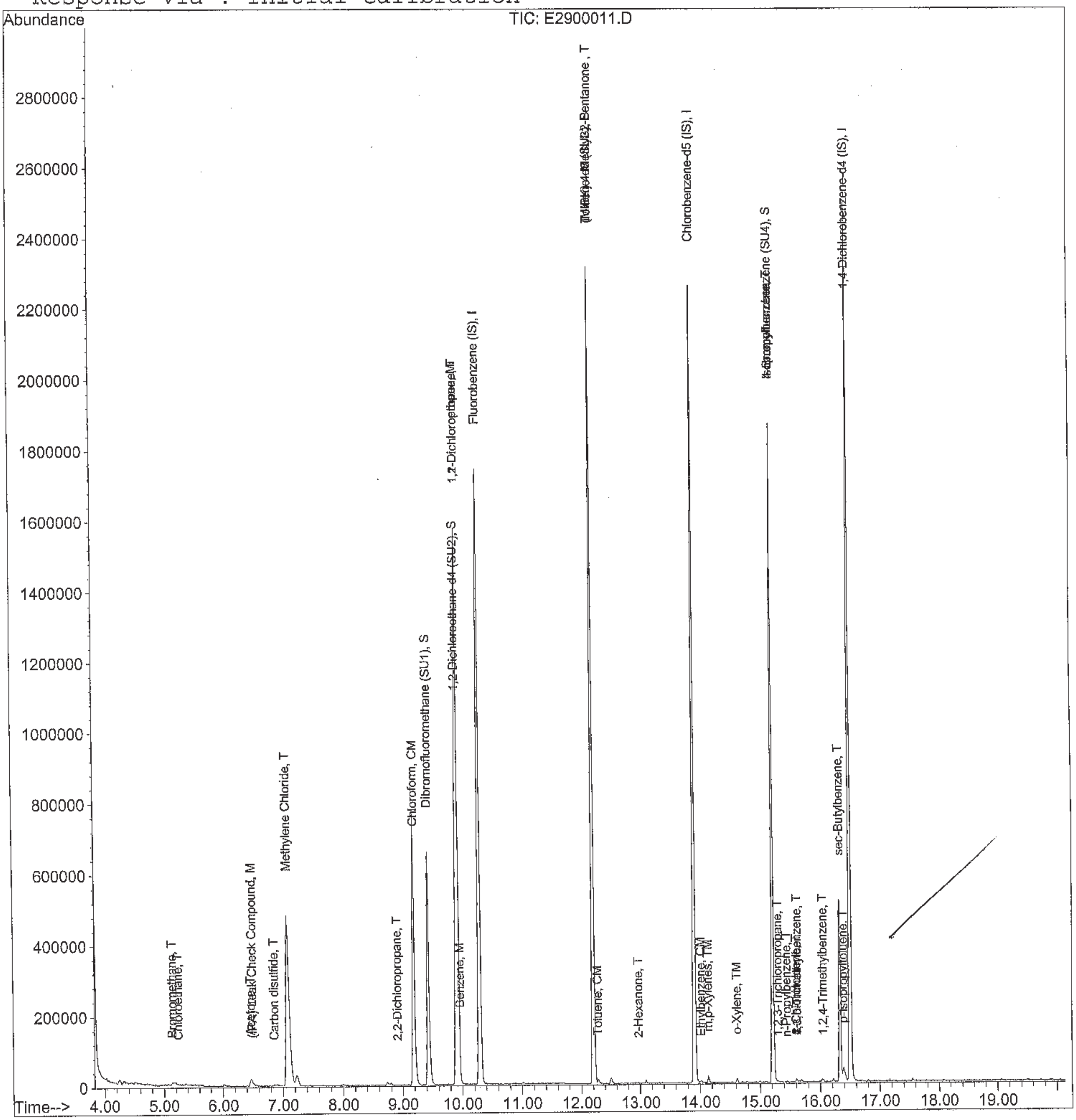
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

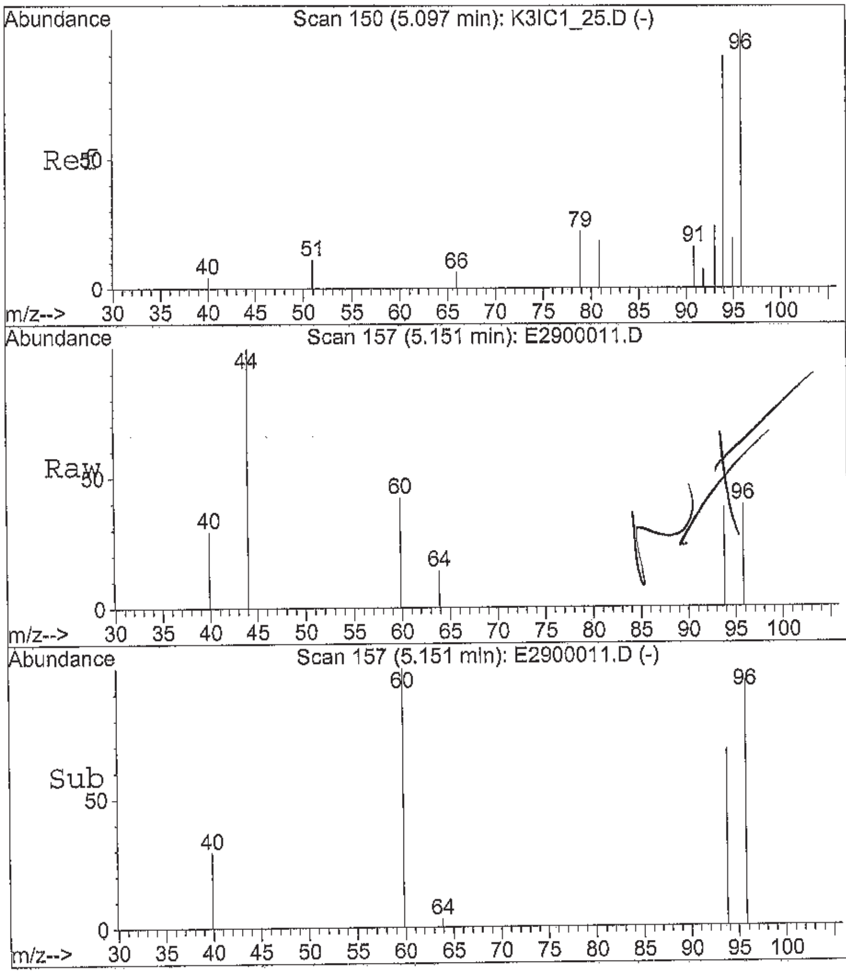
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	2-Chlorotoluene	15.60	91	341	0.02 ~~ug/L #~~	45
64)	1,3,5-Trimethylbenzene	15.62	105	307	0.02 ~~ug/L #~~	31
65)	4-Chlorotoluene	15.60	91	341	0.02 ~~ug/L #~~	44
67)	1,2,4-Trimethylbenzene	16.06	105	2781	0.14 ~~ug/L #~~	50
68)	sec-Butylbenzene	16.33	105	8897	0.34 ~~ug/L #~~	62
69)	p-Isopropyltoluene	16.38	119	2962	0.14 ~~ug/L #~~	63

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900011.D   Vial: 2
Acq On   : 29 May 2014   1:26 pm   Operator: DN
Sample   : 3E42901-10   Inst   : GC/MS Ins
Misc   : 100cc SVL-539-SA5D-SV-8.5-9.5   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:54 19114   Quant Results File: MW111313.RES

Method   : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title   : 8260B   GC/MS #3   ICAL 11/13/13 DN
Last Update   : Wed Nov 13 19:38:32 2013
Response via   : Initial Calibration

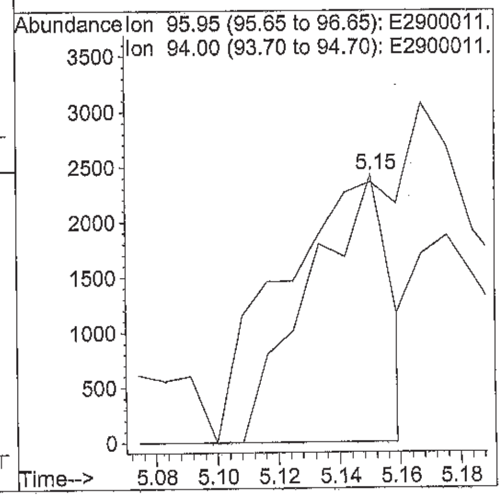


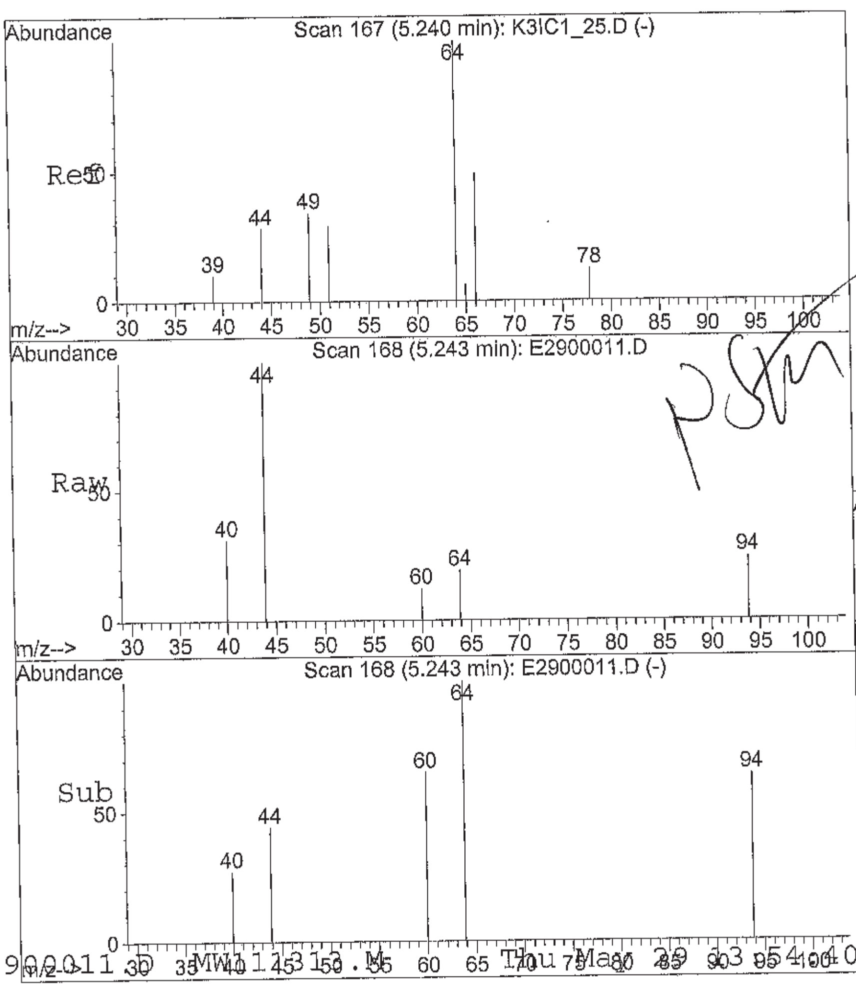


#6
Bromomethane
Concen: 0.27 ug/L
RT: 5.15 min Scan# 157
Delta R.T. 0.05 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 96 Resp: 4493

Ion	Ratio	Lower	Upper
96	100		
94	0.0	101.0	151.4#

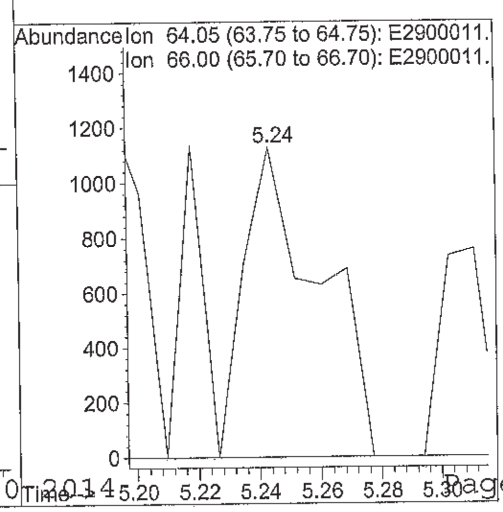


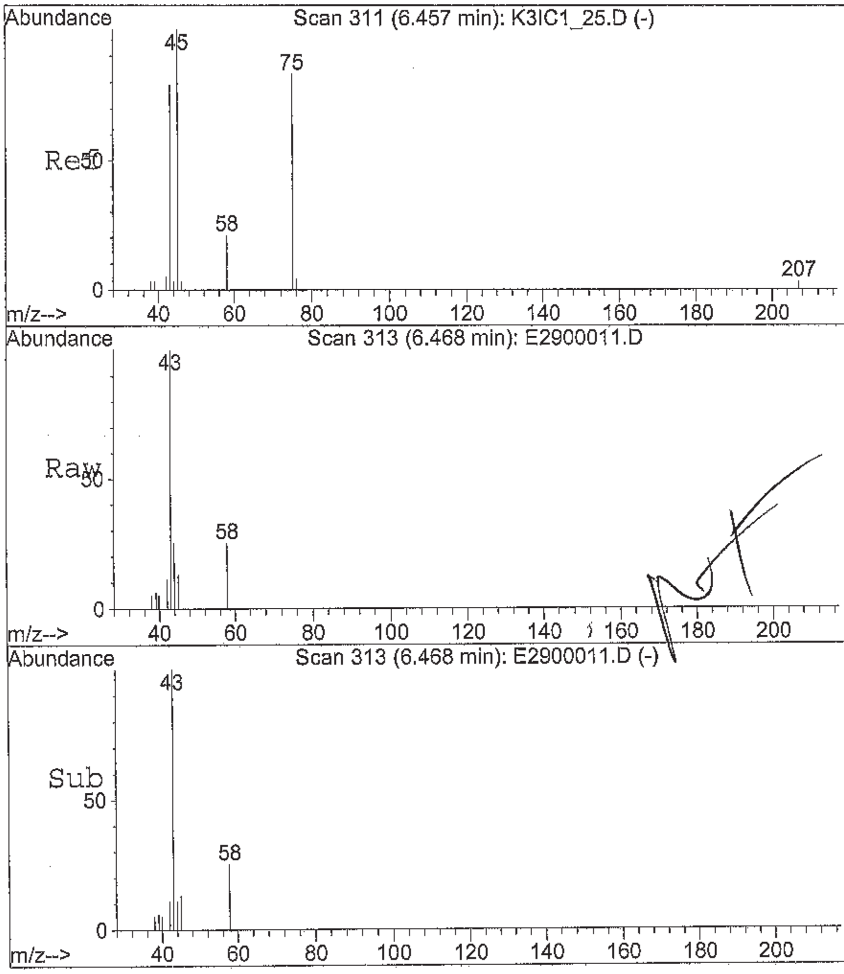


#7
Chloroethane
Concen: 1.84 ug/L
RT: 5.24 min Scan# 168
Delta R.T. 0.00 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 64 Resp: 1927

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

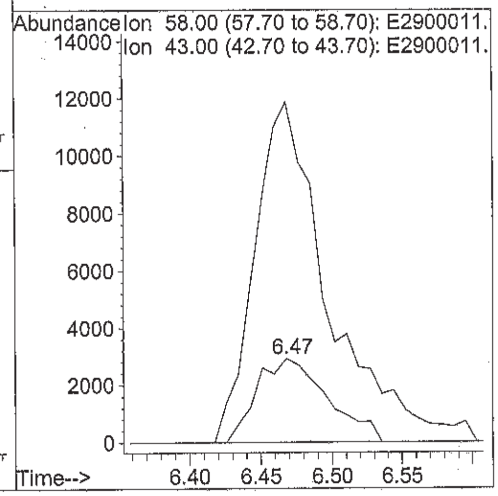


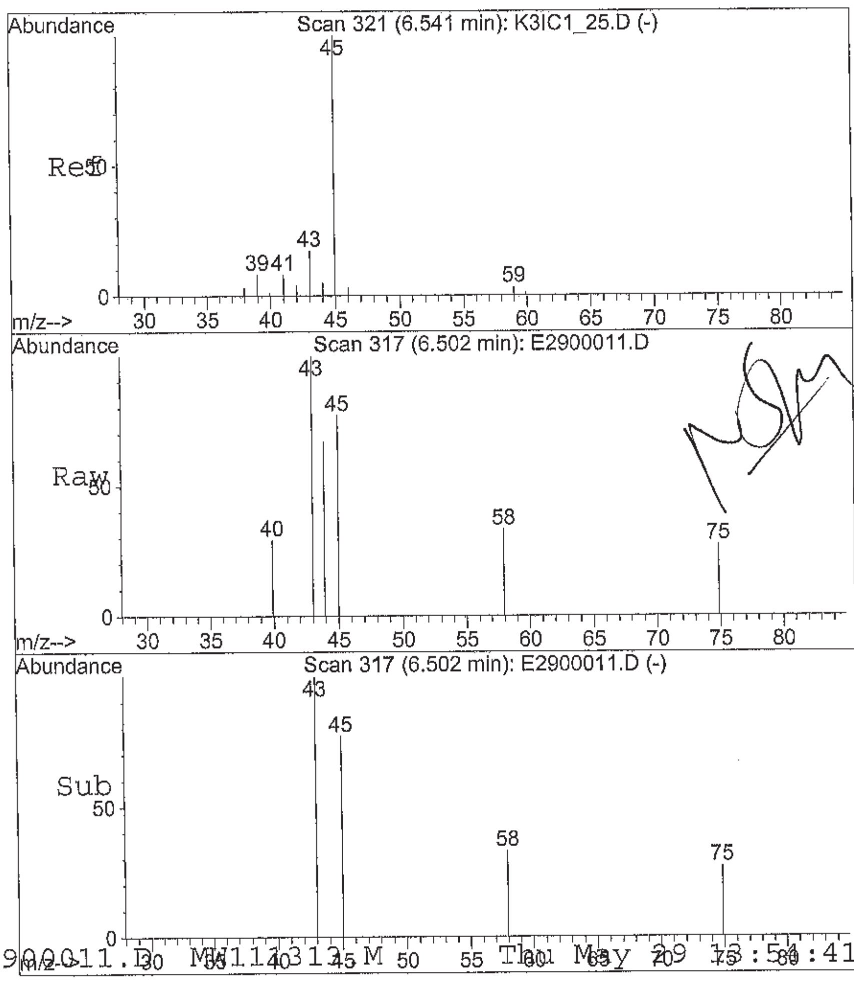


#11
Acetone
Concen: 8.32 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 58 Resp: 10071

Ion	Ratio	Lower	Upper
58	100		
43	427.4	360.9	541.3

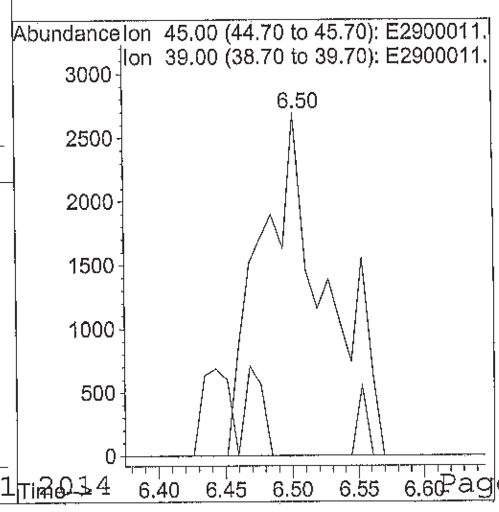


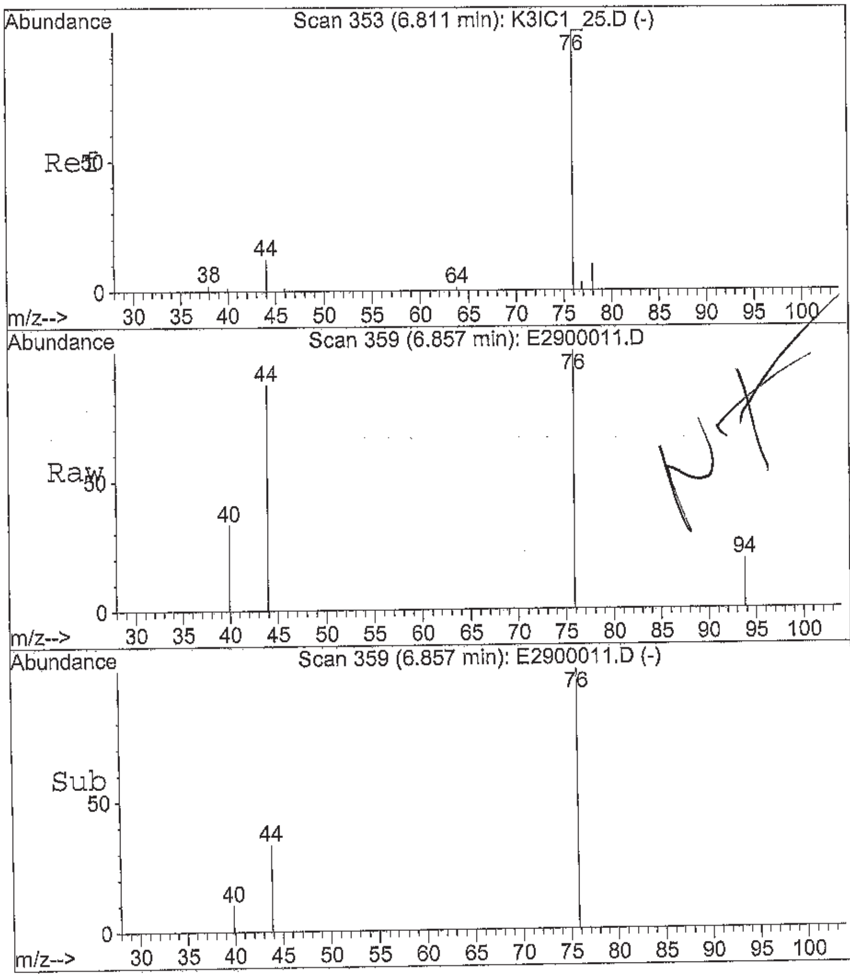


#12
(IPA) Leak Check Compound
Concen: 38.50 ug/L
RT: 6.50 min Scan# 317
Delta R.T. -0.04 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 45 Resp: 9253

Ion	Ratio	Lower	Upper
45	100		
39	0.0	4.9	7.3#

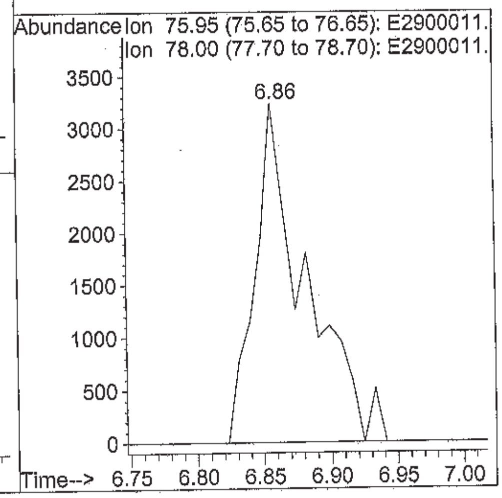


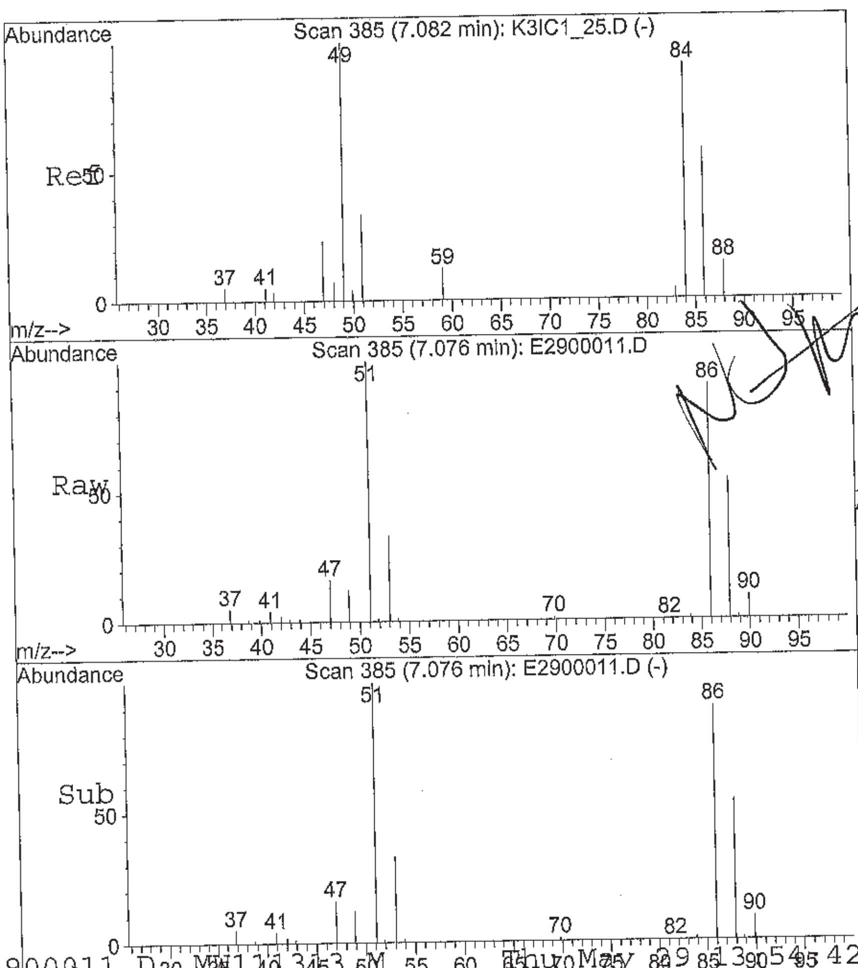


#13
Carbon disulfide
Concen: 0.50 ug/L
RT: 6.86 min Scan# 359
Delta R.T. 0.05 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 76 Resp: 8384

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

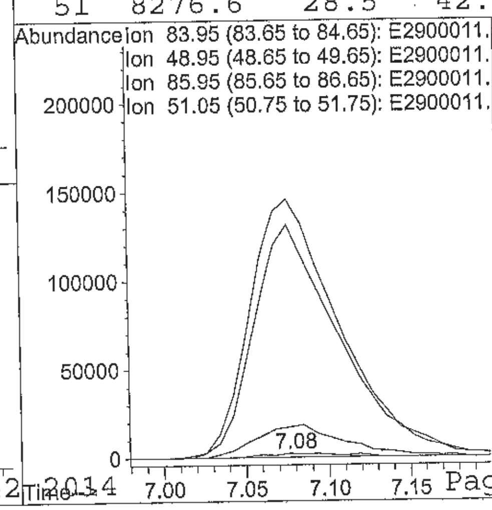


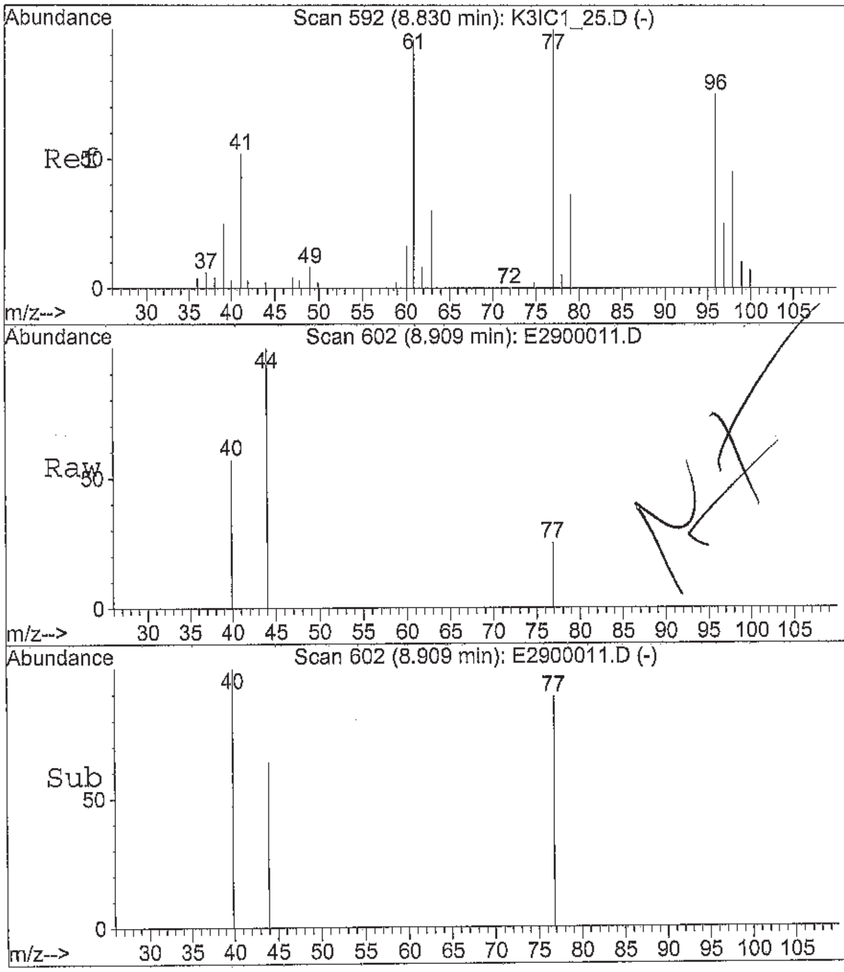


#14
Methylene Chloride
Concen: 1.22 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 84 Resp: 6717

Ion	Ratio	Lower	Upper
84	100		
49	993.8	89.8	134.6#
86	7114.6	51.1	76.7#
51	8276.6	28.5	42.7#

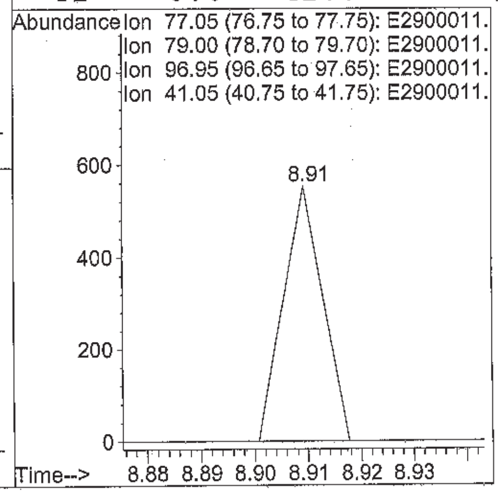


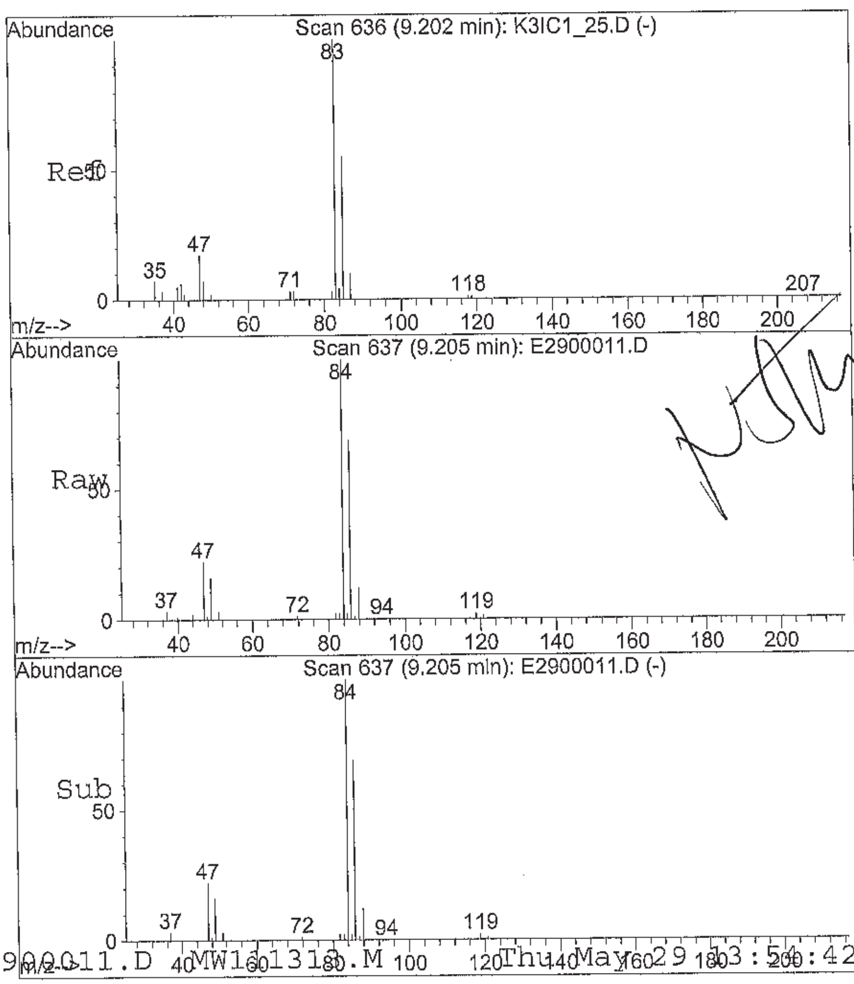


#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.91 min Scan# 602
Delta R.T. 0.08 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 77 Resp: 280

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

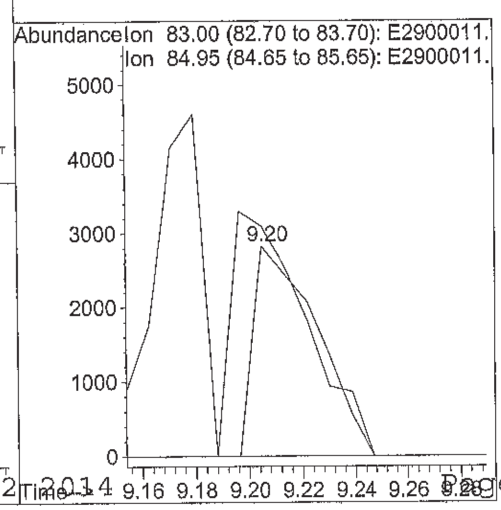


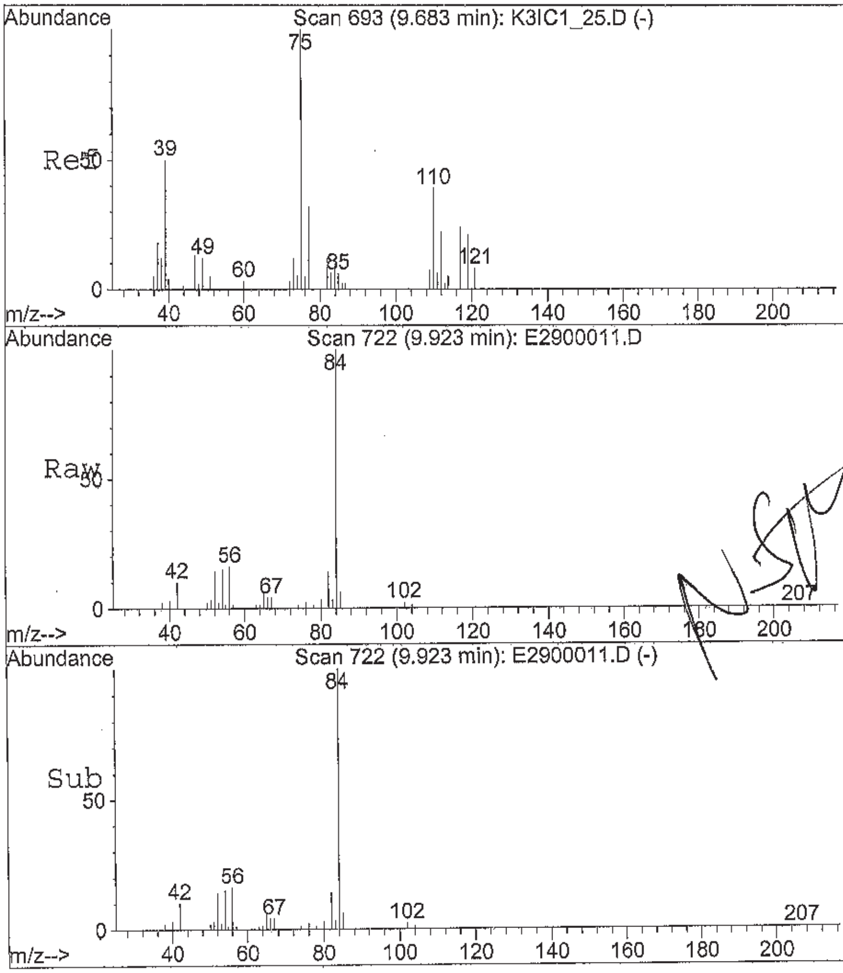


#24
Chloroform
Concen: 0.45 ug/L
RT: 9.20 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 83 Resp: 4681

Ion	Ratio	Lower	Upper
83	100		
85	135.8	51.8	77.6#

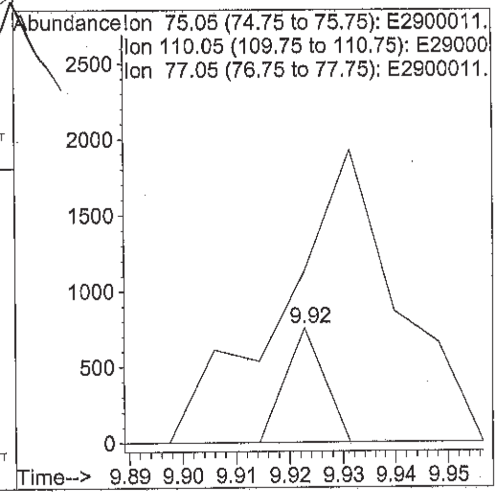


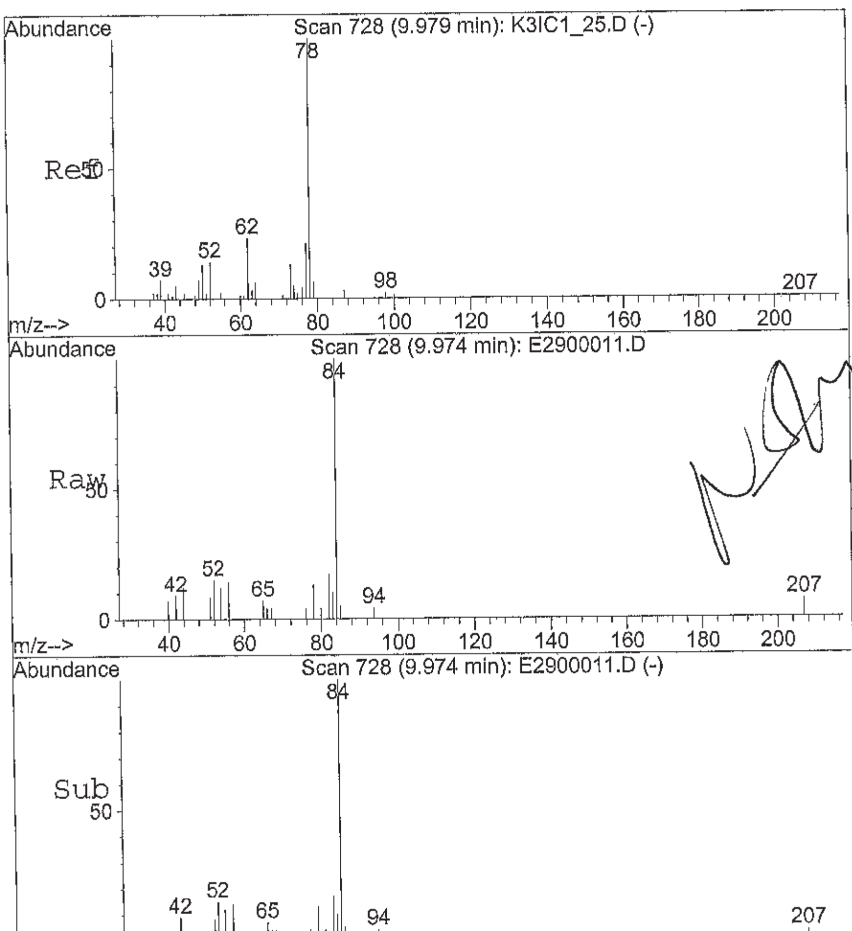


#29
1,1-Dichloropropene
Concen: 0.05 ug/L
RT: 9.92 min Scan# 722
Delta R.T. 0.24 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 75 Resp: 383

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	757.7	25.0	37.4#

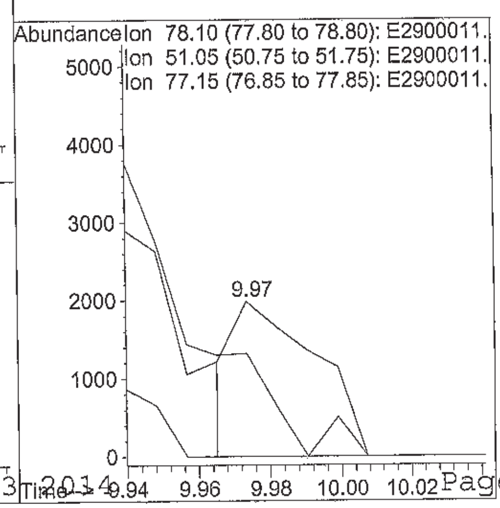


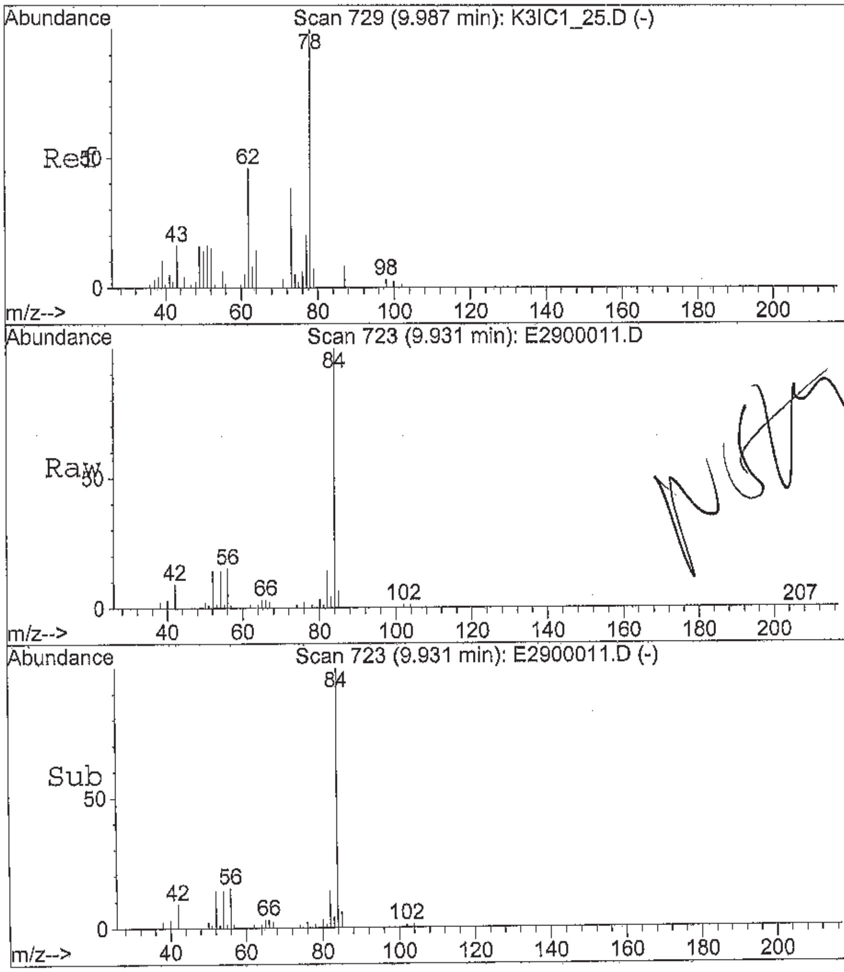


#31
Benzene
Concen: 0.17 ug/L
RT: 9.97 min Scan# 728
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 78 Resp: 3112

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

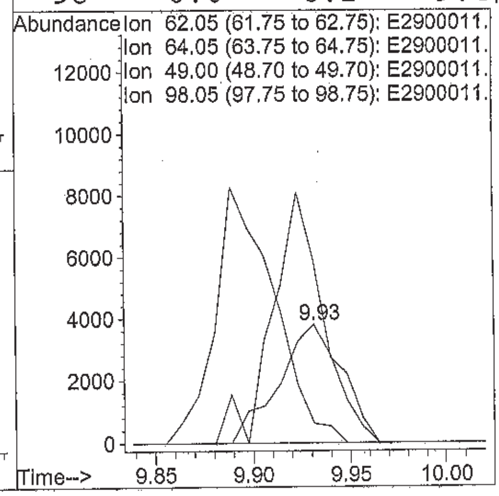


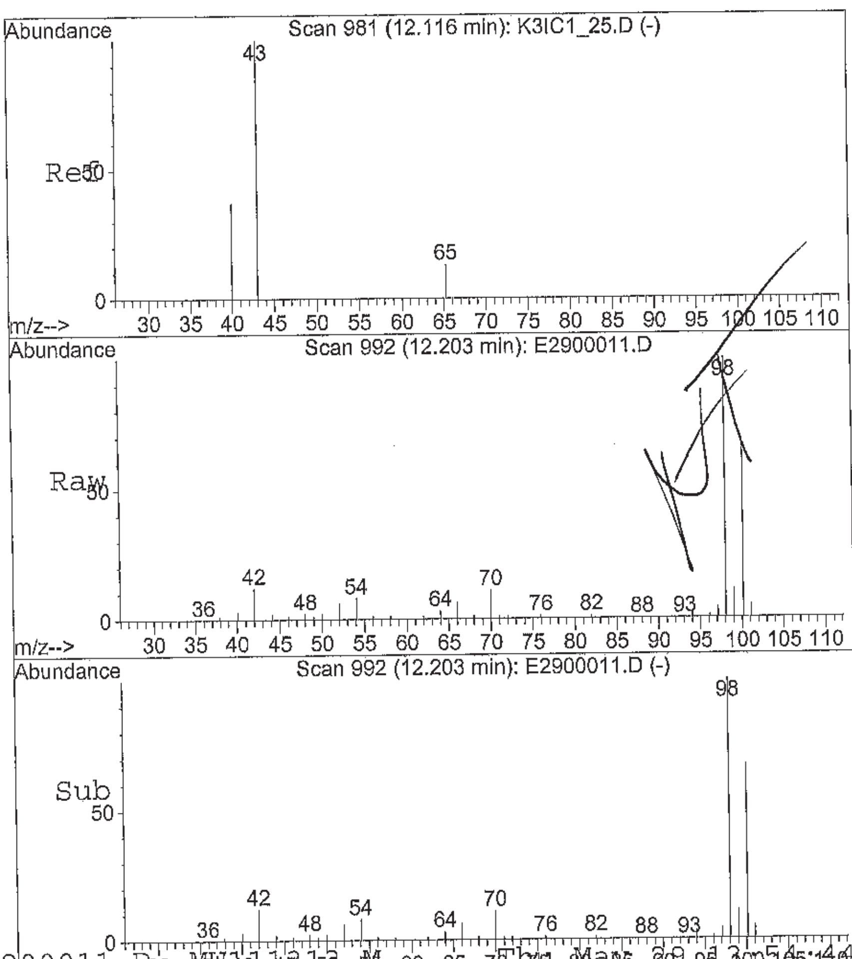


#32
1,2-Dichloroethane
Concen: 1.20 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 62 Resp: 8001

Ion	Ratio	Lower	Upper
62	100		
64	187.4	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

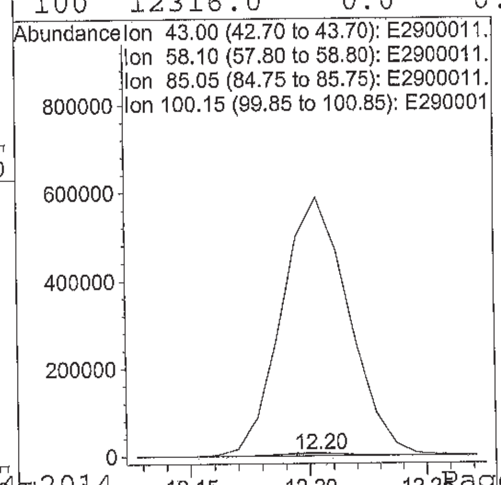


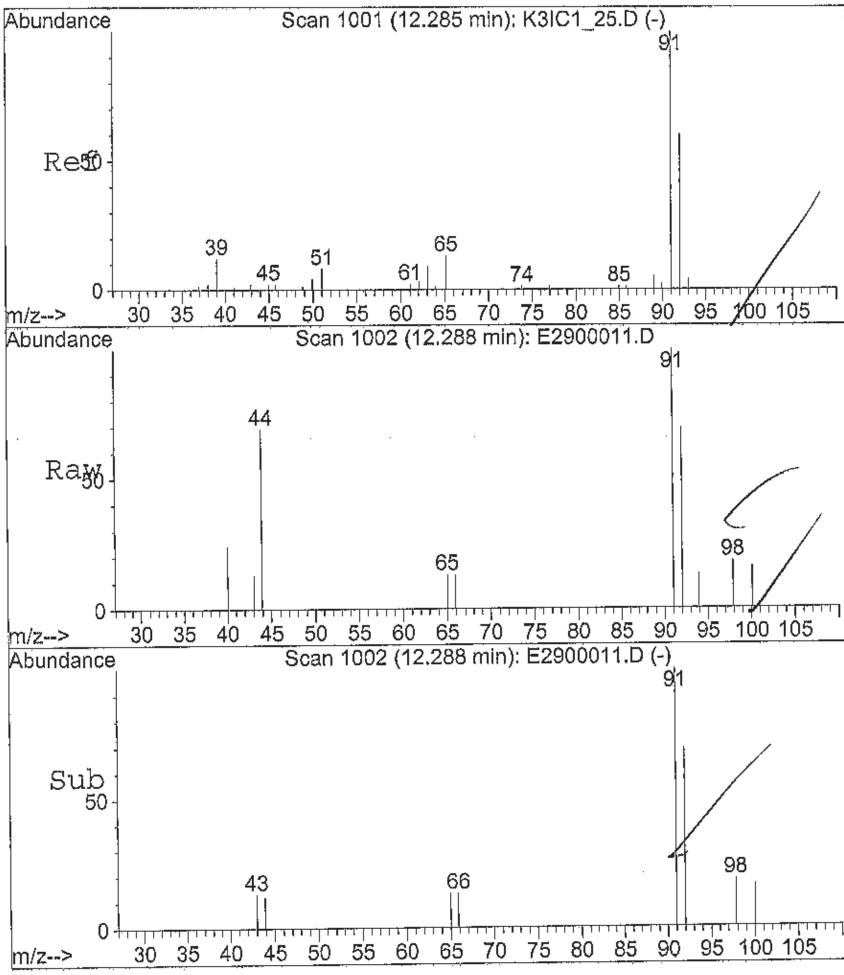


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.15 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 43 Resp: 9526

Ion	Ratio	Lower	Upper
43	100		
58	135.6	0.0	0.0#
85	0.0	0.0	0.0
100	12316.0	0.0	0.0#

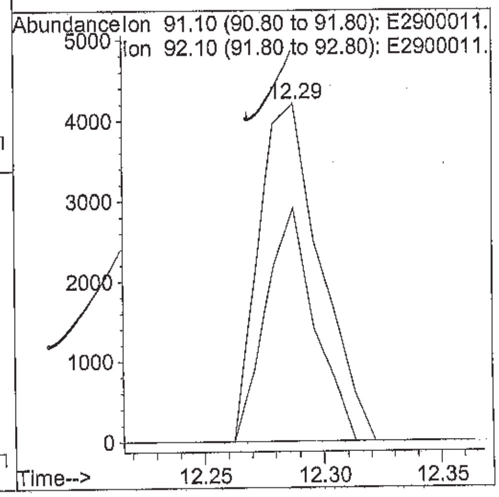


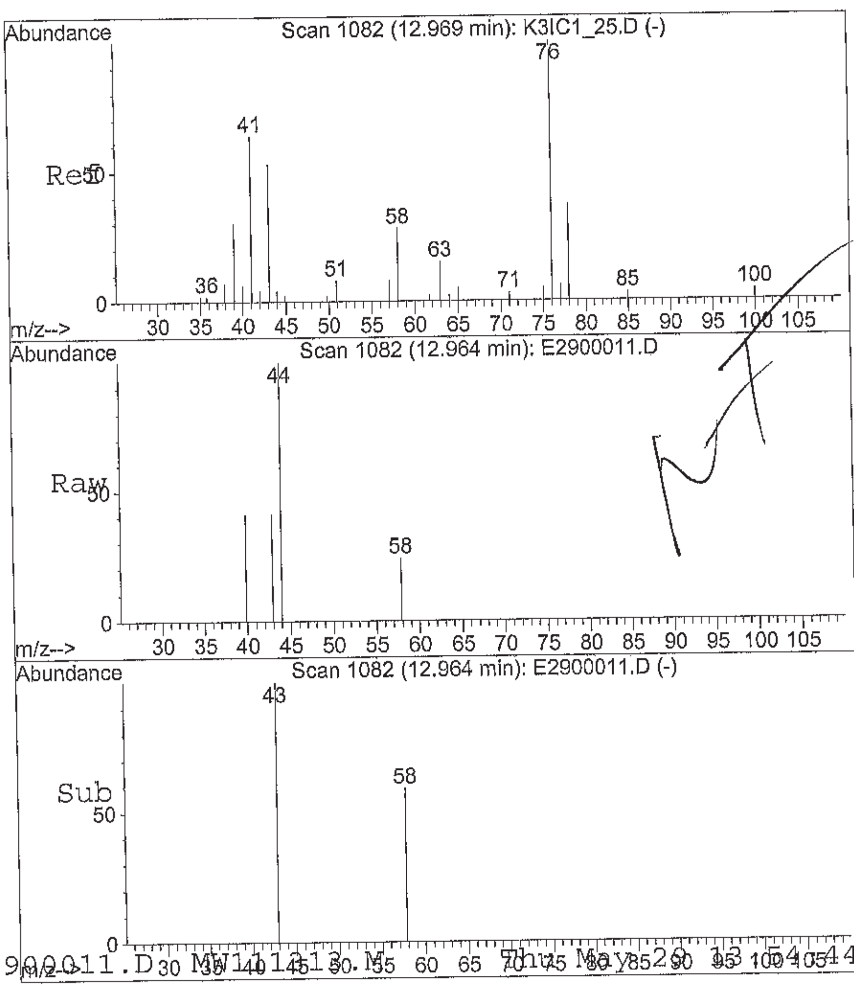


#41
Toluene
Concen: 0.36 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 91 Resp: 7506

Ion	Ratio	Lower	Upper
91	100		
92	54.8	47.4	71.0

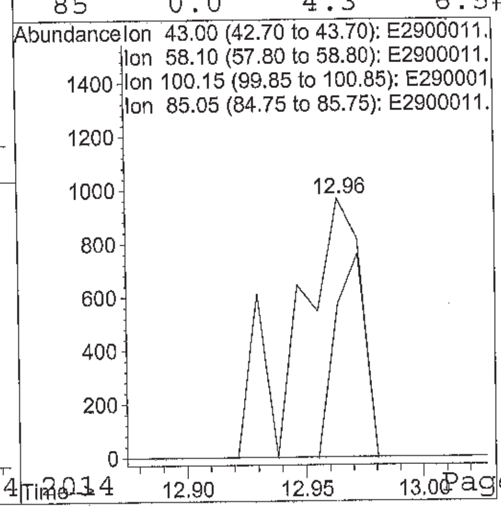


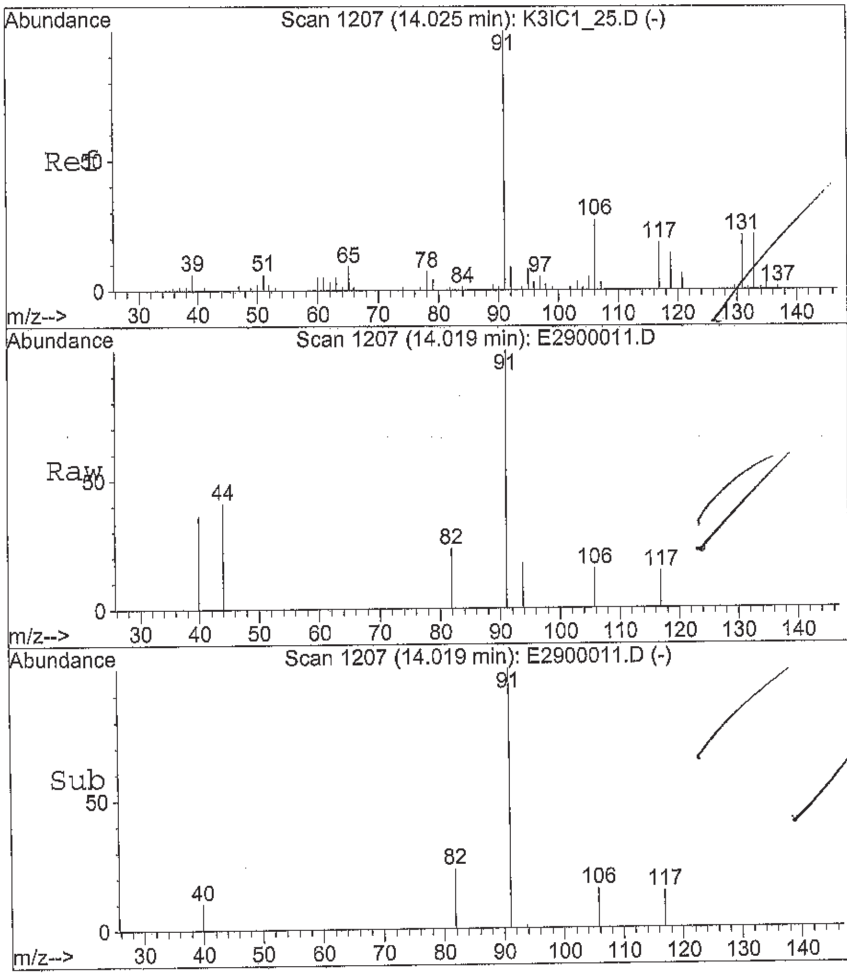


#46
2-Hexanone
Concen: 0.55 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 43 Resp: 1813

Ion	Ratio	Lower	Upper
43	100		
58	37.3	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

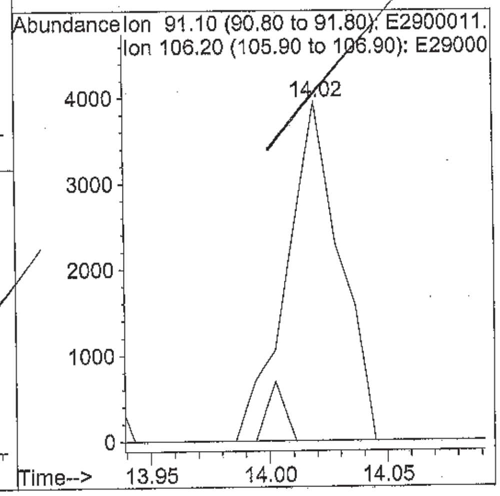


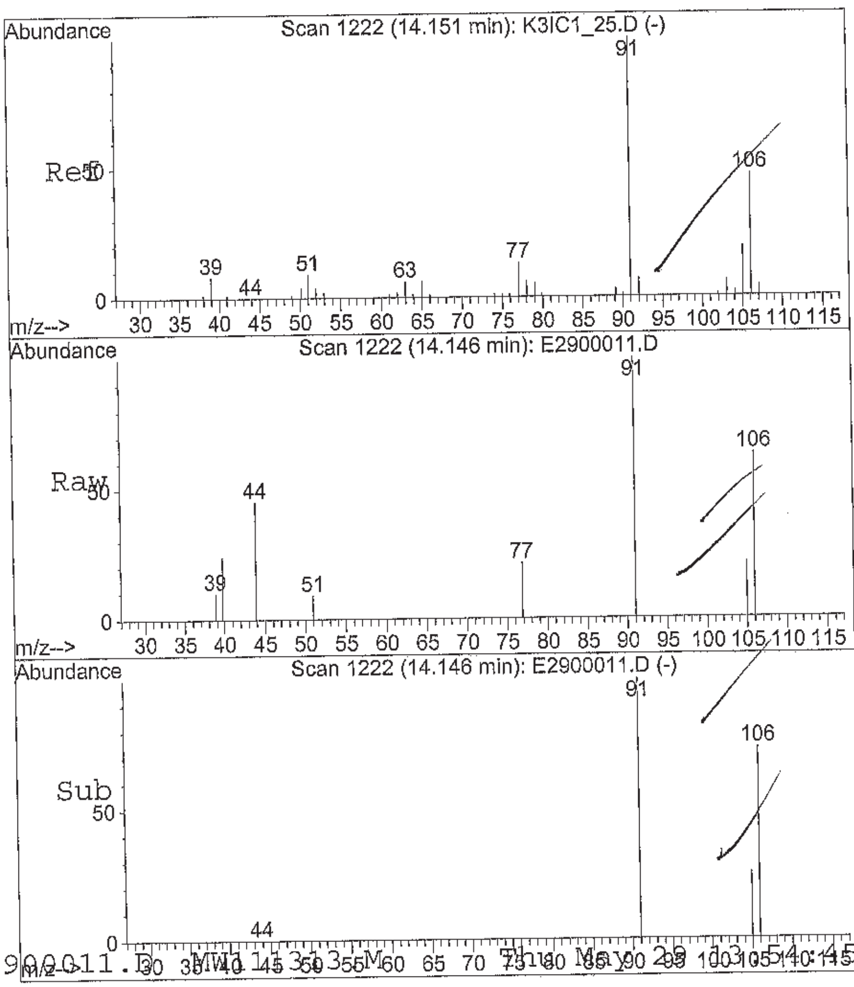


#51
Ethylbenzene
Concen: 0.26 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 91 Resp: 6143

Ion	Ratio	Lower	Upper
91	100		
106	5.7	23.5	35.3#

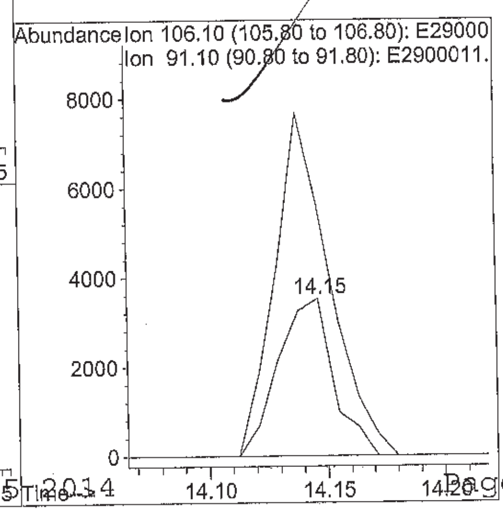


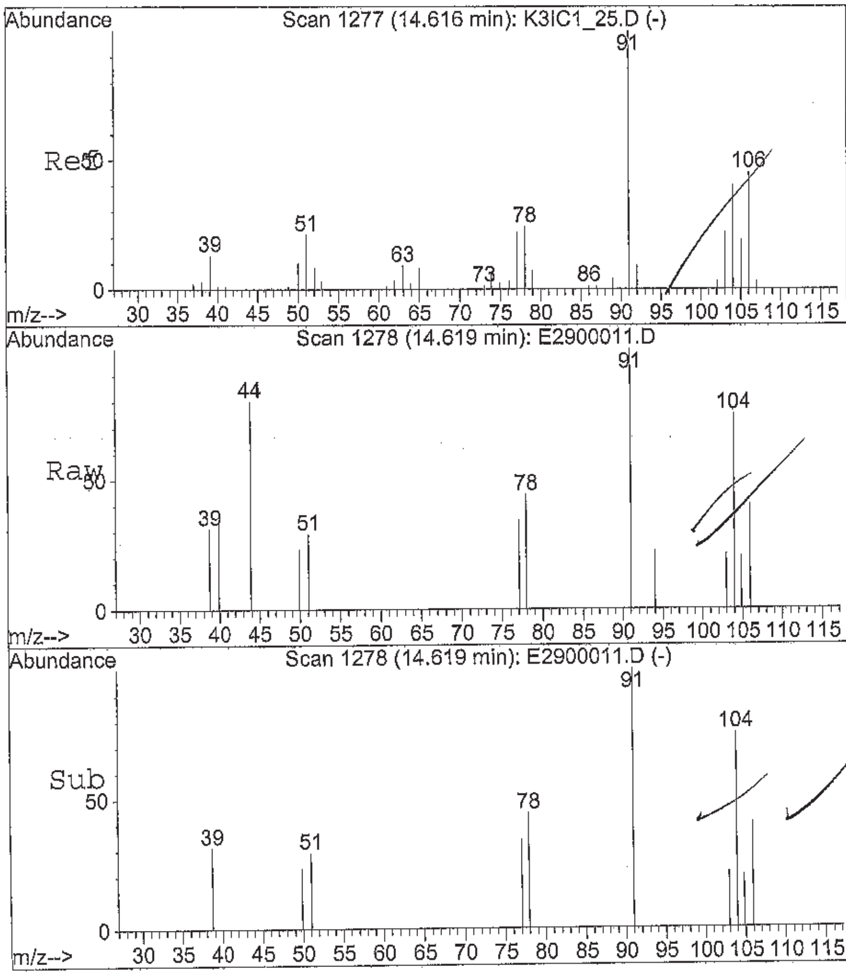


#52
m,p-Xylenes
Concen: 0.68 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion:106 Resp: 5691

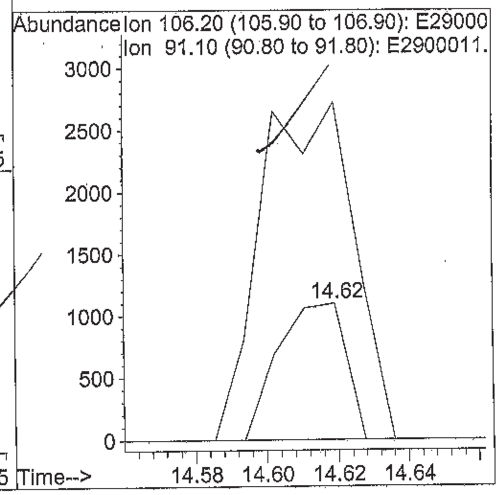
Ion	Ratio	Lower	Upper
106	100		
91	215.3	177.1	265.7

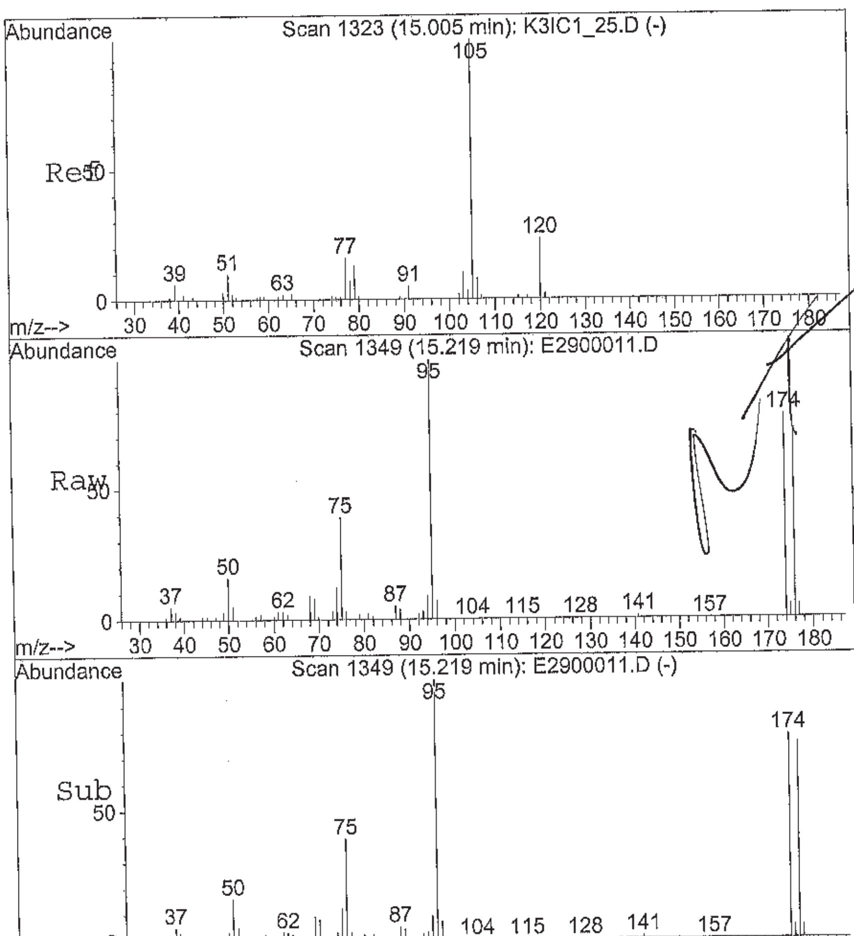




#53
o-Xylene
Concen: 0.17 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

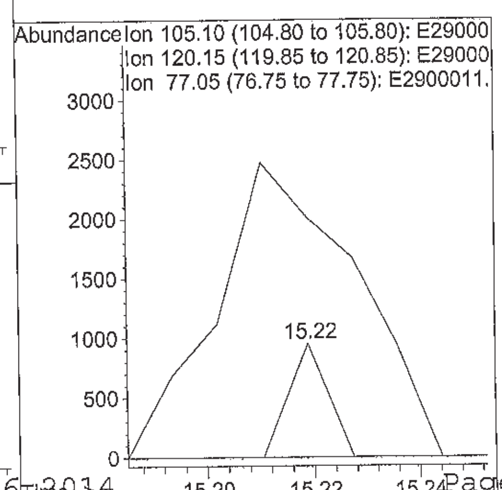
Tgt	Ion:106	Resp:	1440
Ion	Ratio	Lower	Upper
106	100		
91	342.0	179.0	268.6#

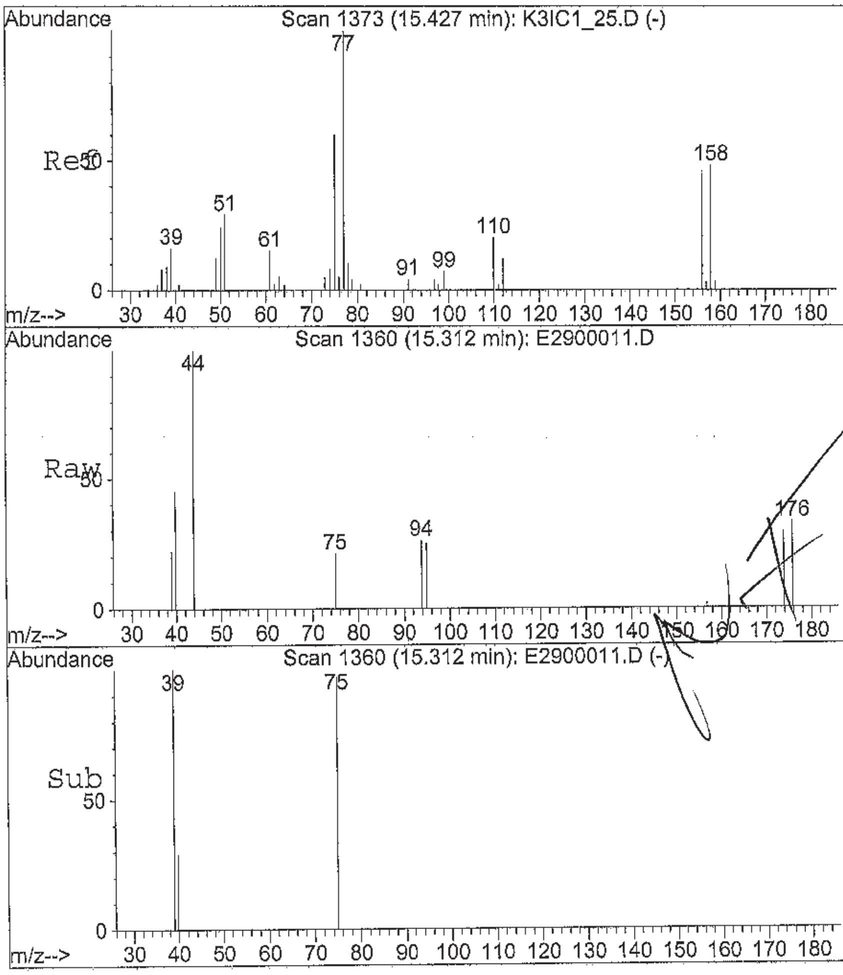




#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.21 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

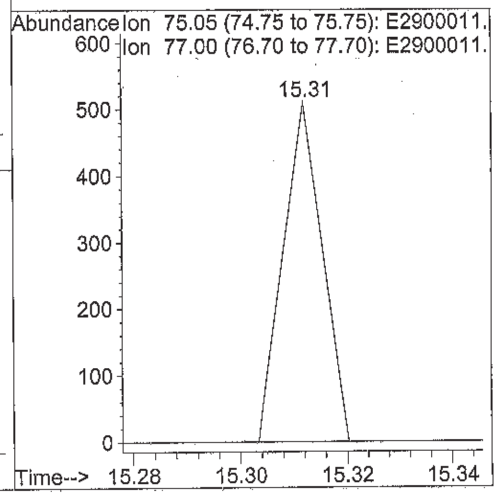
Tgt	Ion:105	Resp:	482
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	935.9	13.1	19.7#

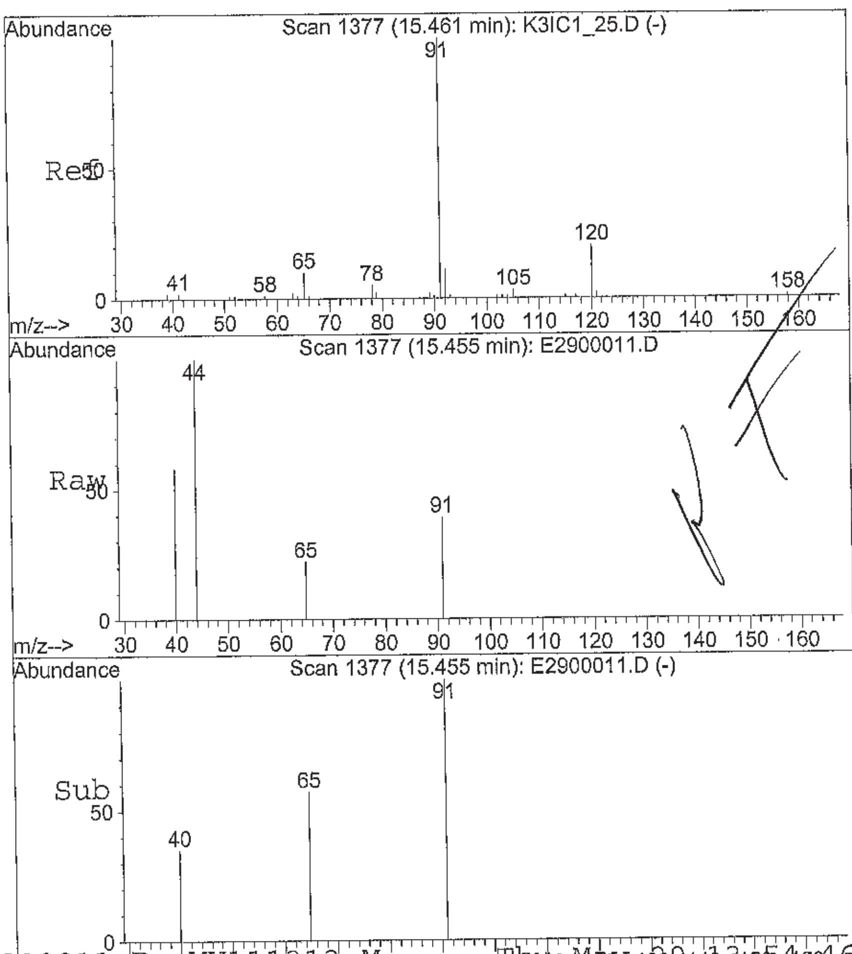




#57
1,2,3-Trichloropropane
Concen: 0.04 ug/L
RT: 15.31 min Scan# 1360
Delta R.T. -0.12 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

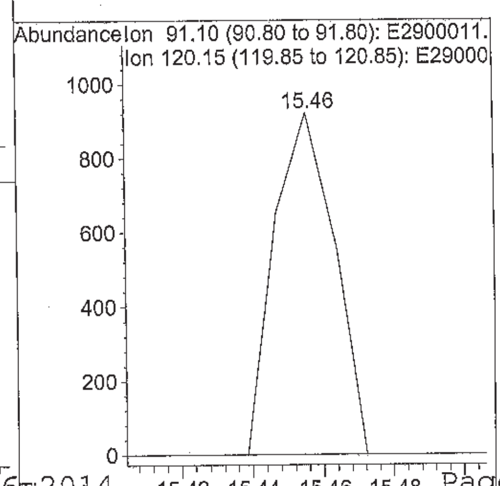
Tgt Ion: 75	Resp:		259
Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

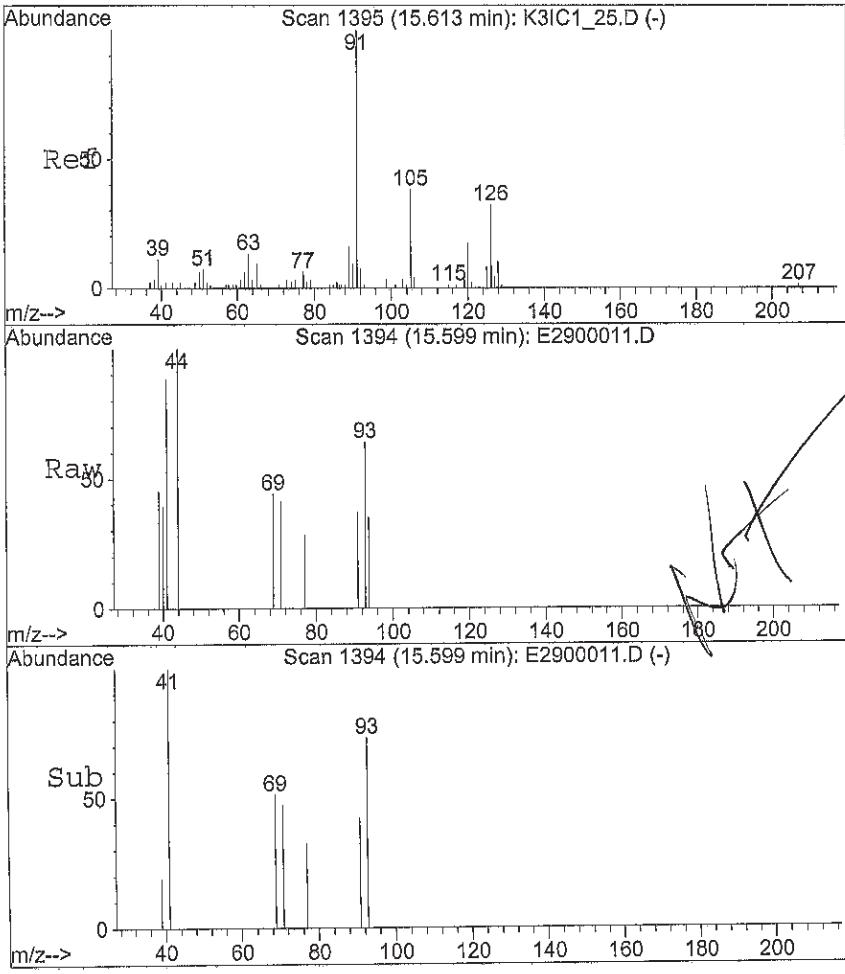




#62
n-Propylbenzene
Concen: 0.03 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

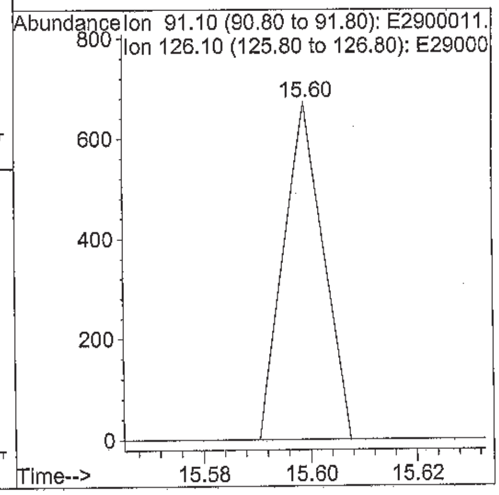
Tgt Ion: 91	Resp:		1082
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

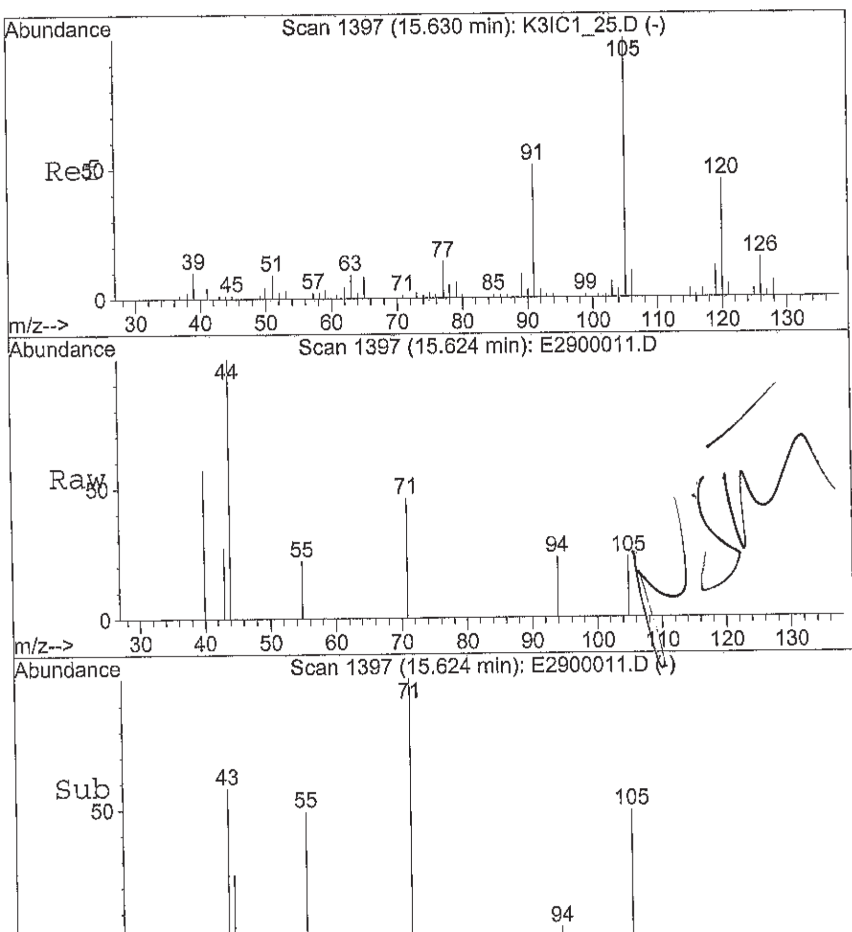




#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

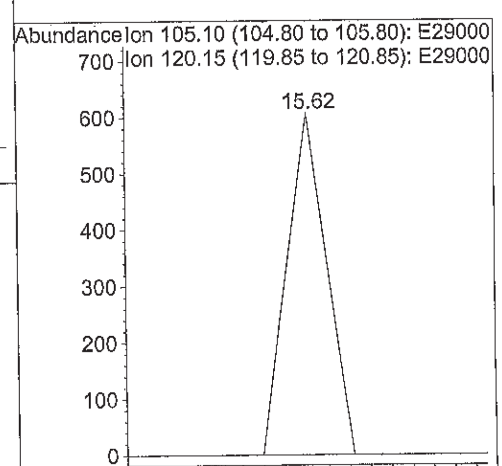
Tgt Ion: 91	Resp:		341
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

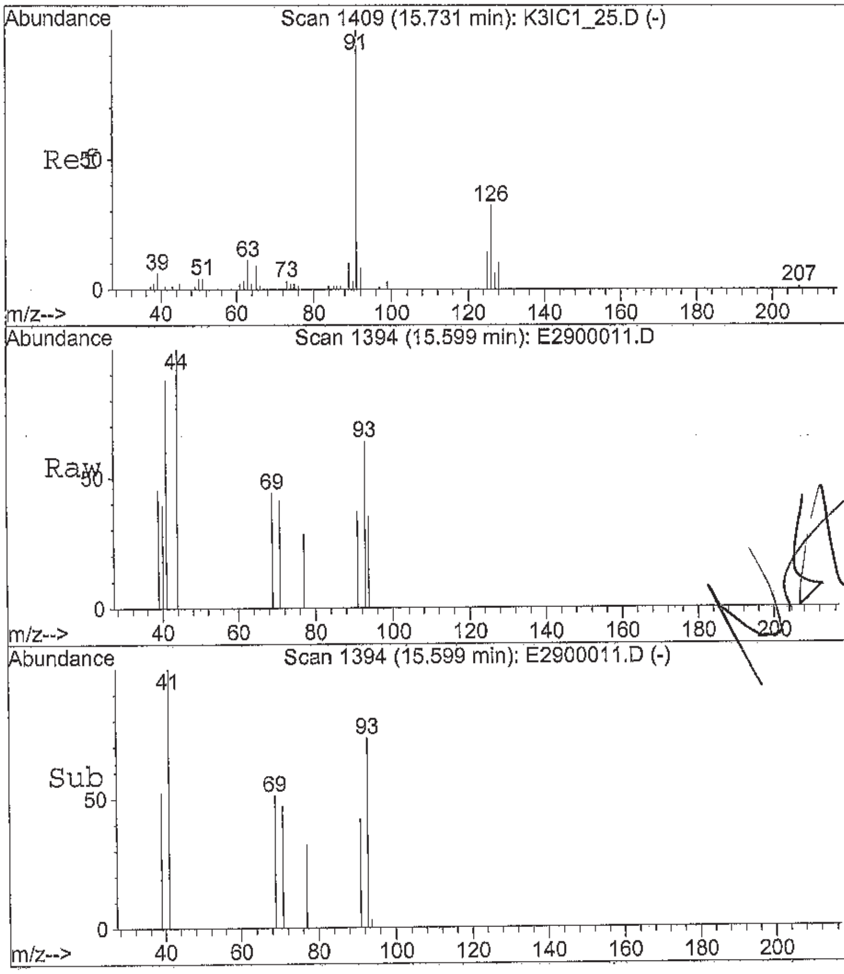




#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion:105	Resp:		307
Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

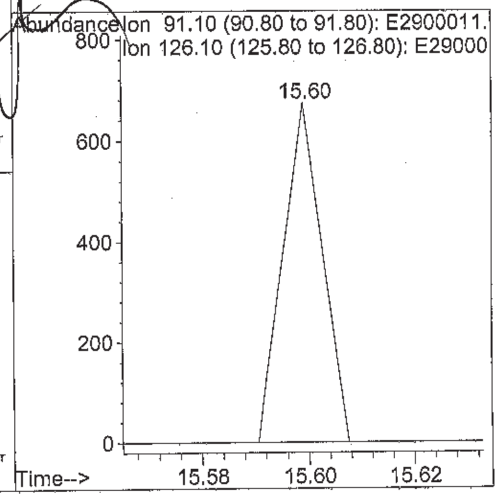


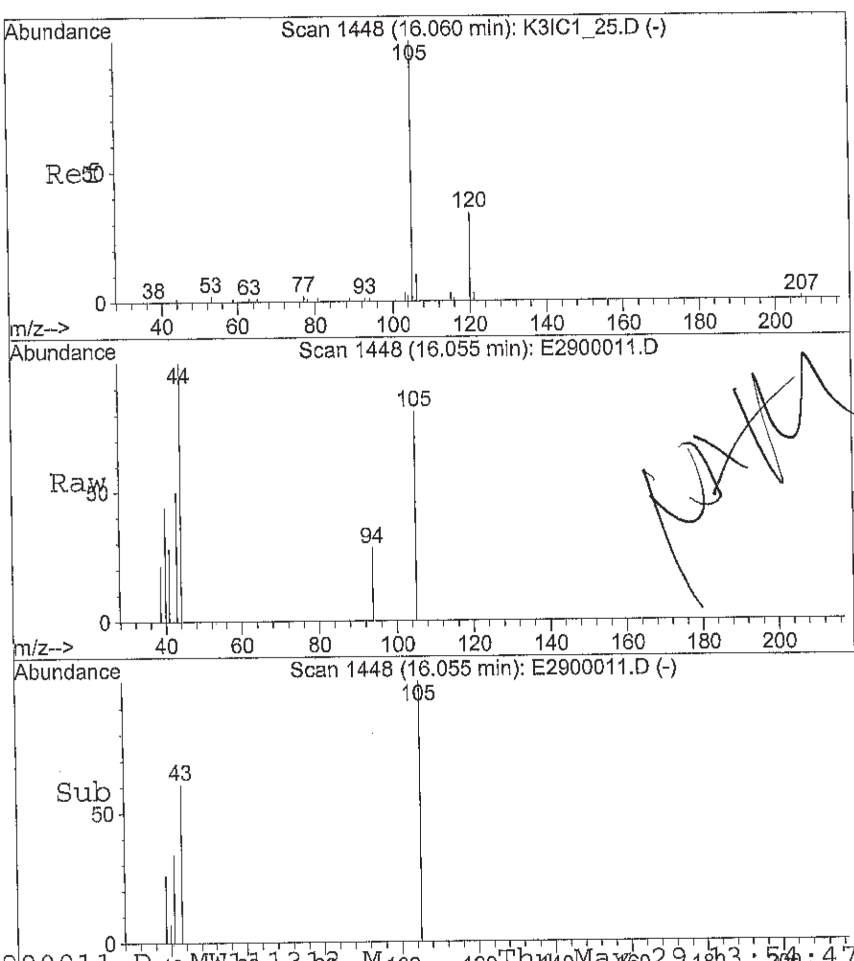


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.13 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion: 91 Resp: 341

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

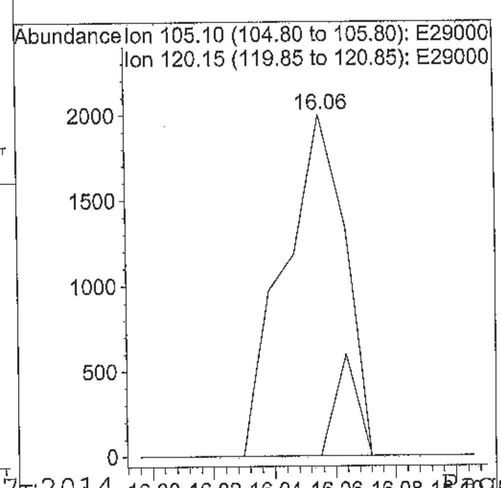


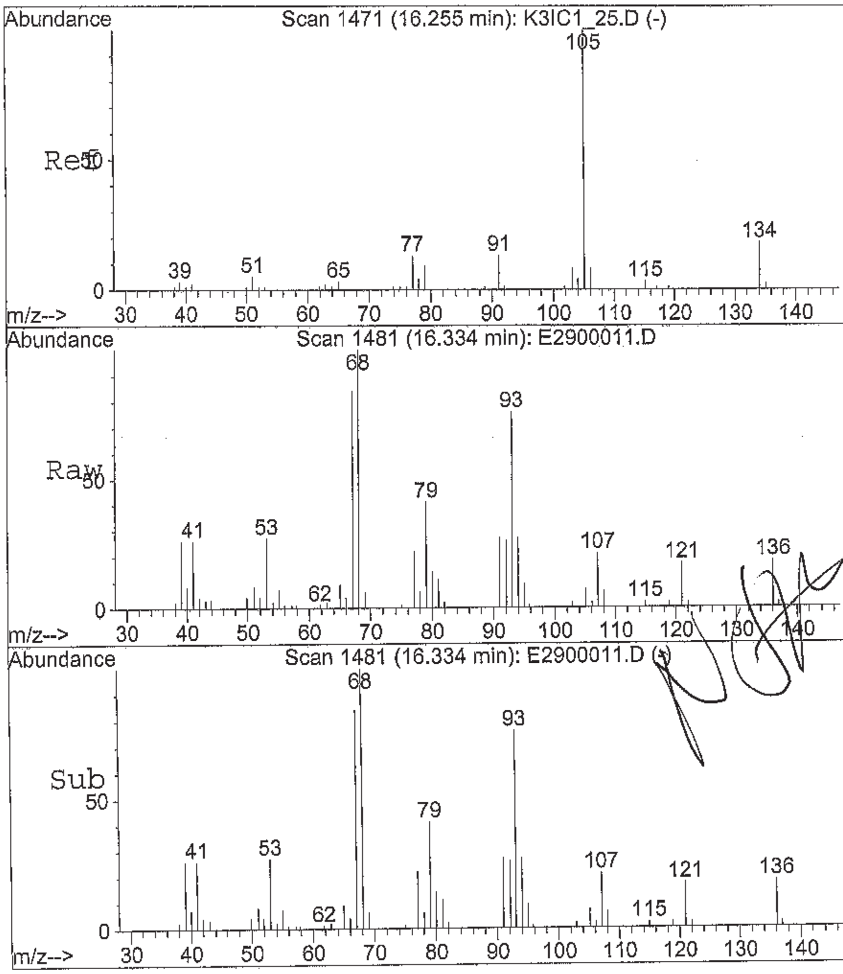


#67
1,2,4-Trimethylbenzene
Concen: 0.14 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion:105 Resp: 2781

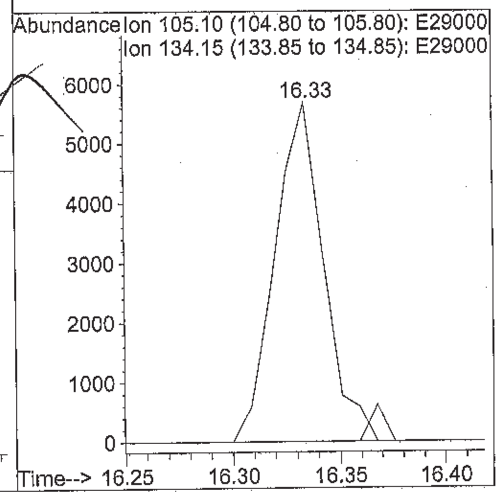
Ion	Ratio	Lower	Upper
105	100		
120	10.9	33.8	50.8#

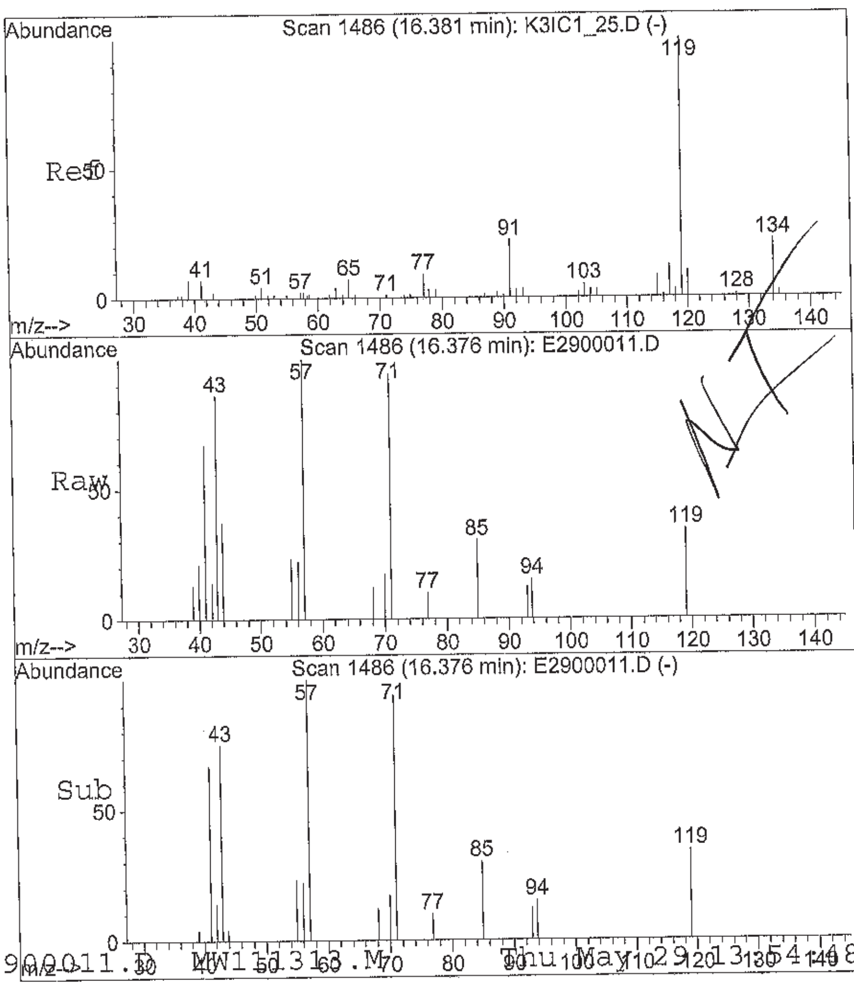




#68
sec-Butylbenzene
Concen: 0.34 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

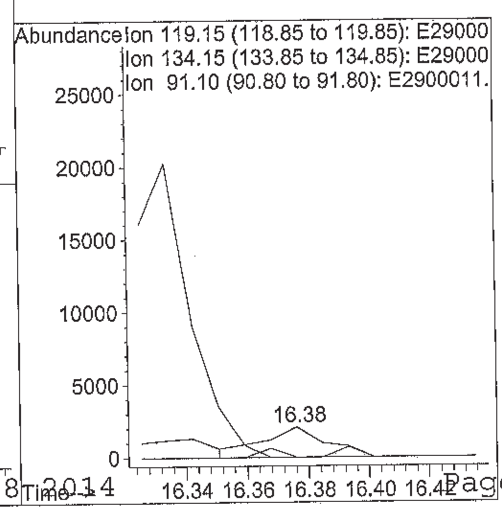
Tgt Ion:105	Resp:		8897
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.14 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2900011.D
Acq: 29 May 2014 1:26 pm

Tgt Ion:119	Resp:		2962
Ion	Ratio	Lower	Upper
119	100		
134	10.5	17.4	26.2#
91	0.0	19.6	29.4#



Data File : C:\HPCHEM\1\DATA\052914L3\E2900011.D Vial: 2
Acq On : 29 May 2014 1:26 pm Operator: DN
Sample : 3E42901-10 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-8.5-9.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:55 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	2000126	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1513788	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	768922	12.50	ug/L	-0.01

System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	532657	10.24	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	81.92%		
3) Chloroform-d (SU6)	9.19	84	813721	10.90	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	87.20%		
4) Methylene Chloride-d2 (SU5	7.08	86	477891	10.95	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	87.60%		
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	447940	12.60	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	100.80%		
6) Benzene-d6 (SU7)	9.93	84	1688413	10.76	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	86.08%		
8) Toluene-d8 (SU3)	12.20	98	1746770	12.16	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	97.28%		
9) 4-Bromofluorobenzene (SU4)	15.22	95	794899	13.41	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	107.28%		

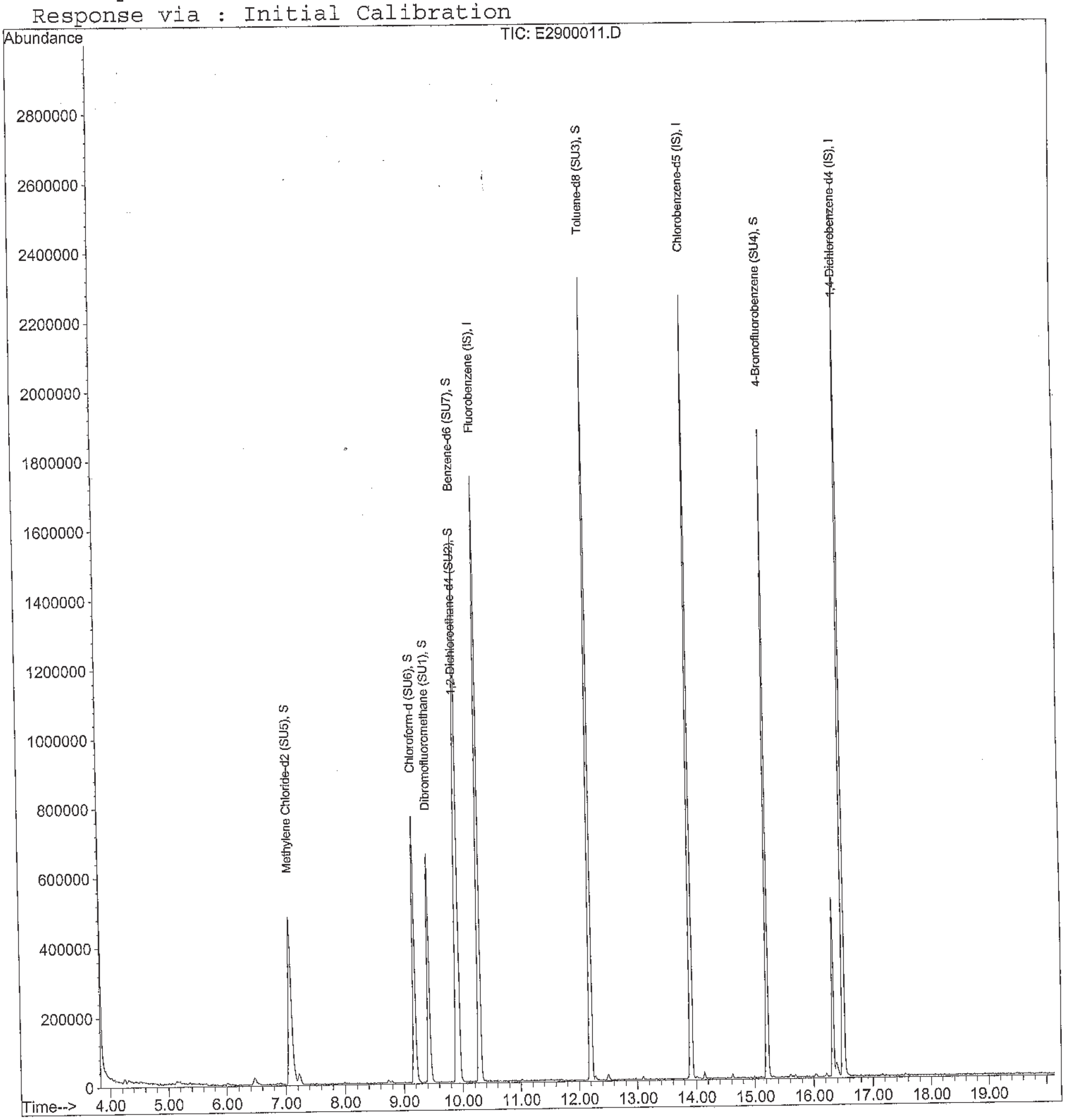
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900011.D Vial: 2
Acq On : 29 May 2014 1:26 pm Operator: DN
Sample : 3E42901-10 Inst : GC/MS Ins
Misc : 100cc SVL-539-SA5D-SV-8.5-9.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 13:55 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\052914L3\E2900012.D          Vial: 3
Acq On    : 29 May 2014   1:59 pm                        Operator: DN
Sample    : 3E42901-11                                   Inst    : GC/MS Ins
Misc      : 100cc  SVL-572-SA5C-SV-6.8-7.8               Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 14:26 19114                  Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3    ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1633764	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1325951	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	712550	12.50	ug/L	0.00

System Monitoring Compounds

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	460794	11.31	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.48%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	456427	11.78	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.24%			
39) Toluene-d8 (SU3)	12.21	98	1434293	11.60	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 92.80%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	718920	13.26	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.08%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.39	50	1151	-0.80	~~ug/L~~ #	41
6) Bromomethane	5.15	96	5492	1.28	~~ug/L~~	79
7) Chloroethane	5.26	64	1113	1.51	~~ug/L~~ #	32
11) Acetone	6.46	58	10258	11.99	~~ug/L~~	77
12) (IPA) Leak Check Compound	6.49	45	26815	136.59	~~ug/L~~	82
13) Carbon disulfide	6.86	76	2205	0.16	~~ug/L~~ #	76
14) Methylene Chloride	7.10	84	6276	1.40	~~ug/L~~ #	9
15) (TBA) tert-Butanol	6.92	59	322	1.16	~~ug/L~~ #	77
19) cis-1,2-Dichloroethene	9.06	96	305	0.06	~~ug/L~~ #	3
21) (MEK) 2-Butanone	8.80	72	258	0.56	~~ug/L~~ #	1
24) Chloroform	9.21	83	3518	0.41	~~ug/L~~ #	4
29) 1,1-Dichloropropene	9.94	75	273	0.04	~~ug/L~~ #	1
31) Benzene	9.97	78	1431	0.09	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.93	62	6207	1.14	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	7126	2.69	~~ug/L~~ #	100
41) Toluene	12.29	91	10065	0.56	ug/L 0.0112	99
46) 2-Hexanone	12.97	43	1248	0.43	~~ug/L~~ #	37
51) Ethylbenzene	14.03	91	2711	0.13	~~ug/L~~ #	45
52) m,p-Xylenes	14.15	106	2519	0.34	ug/L # 0.0068	68
53) o-Xylene	14.60	106	254	0.04	ug/L # 0.0008	1
54) Styrene	14.63	104	2859	-0.59	~~ug/L~~ #	91
56) Isopropylbenzene	15.23	105	2409	0.12	~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900012.D Vial: 3
Acq On : 29 May 2014 1:59 pm Operator: DN
Sample : 3E42901-11 Inst : GC/MS Ins
Misc : 100cc SVL-572-SA5C-SV-6.8-7.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 14:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

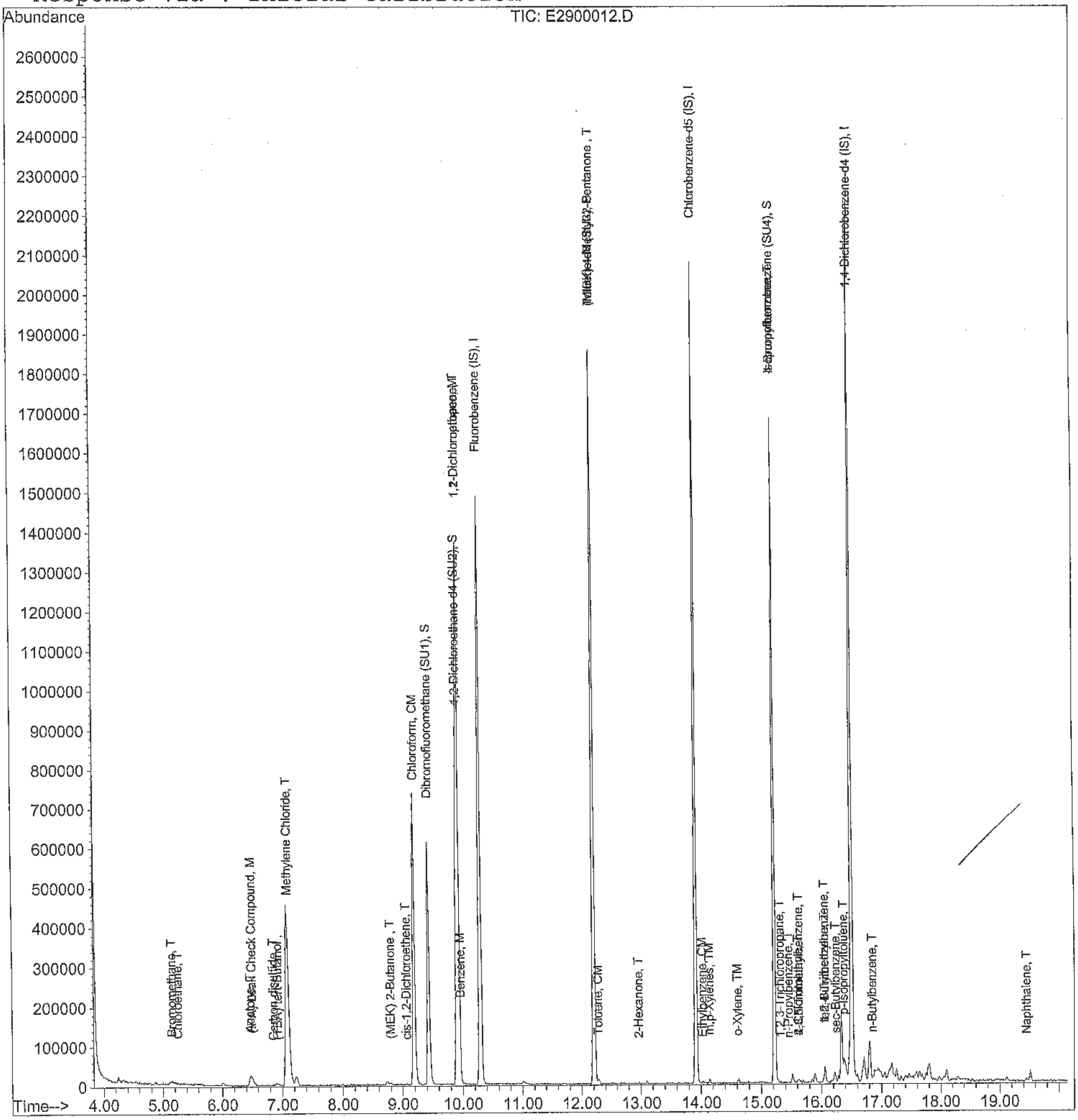
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue	
57)	1,2,3-Trichloropropane	15.31	75	316	0.06 ~~ug/L #~~	36	
62)	n-Propylbenzene	15.46	91	1972	0.07 ~~ug/L #~~	56	
63)	2-Chlorotoluene	15.61	91	269	0.02 ~~ug/L #~~	45	
64)	1,3,5-Trimethylbenzene	15.62	105	3333	0.19 ug/L #	71	0.0038
65)	4-Chlorotoluene	15.61	91	269	0.02 ~~ug/L #~~	44	
66)	tert-Butylbenzene	16.06	119	1776	0.12 ~~ug/L #~~	29	
67)	1,2,4-Trimethylbenzene	16.06	105	20952	1.13 ug/L 0.0226	92	
68)	sec-Butylbenzene	16.25	105	1225	0.05 ~~ug/L #~~	62	
69)	p-Isopropyltoluene	16.38	119	22128	1.14 ~~ug/L~~ #	94	
72)	n-Butylbenzene	16.85	91	3048	0.15 ~~ug/L~~ #	75	
77)	Naphthalene	19.45	128	9577	0.68 ~~ug/L~~	100	0.0136

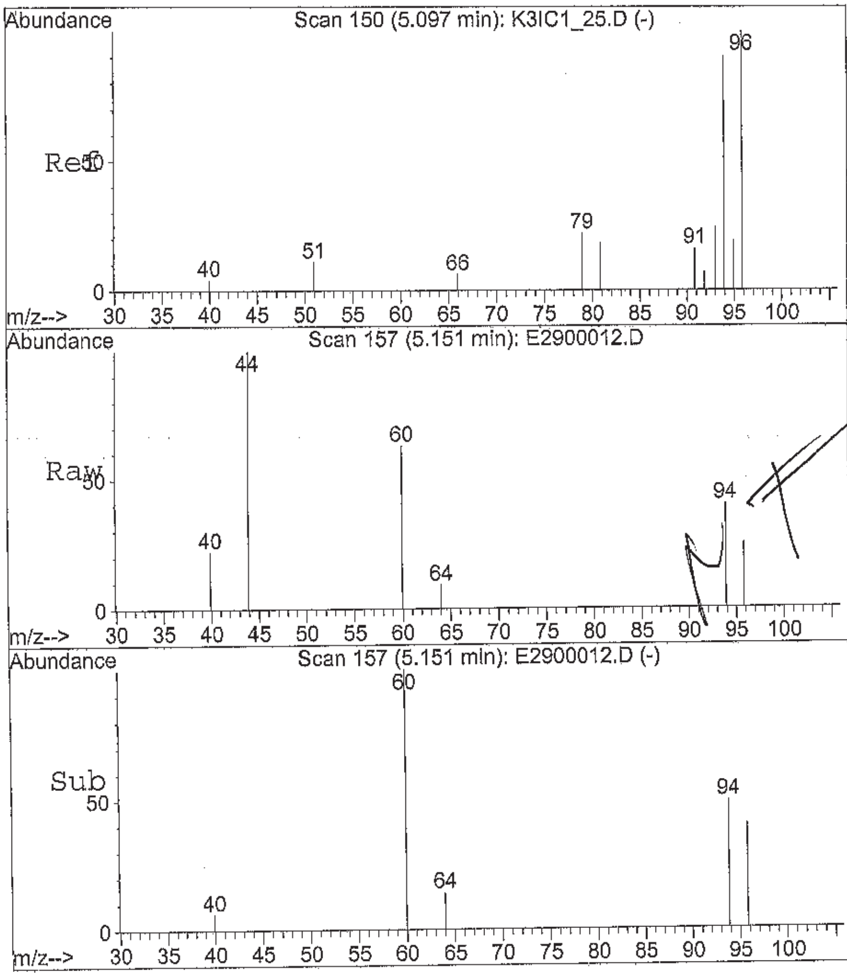
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900012.D Vial: 3
Acq On : 29 May 2014 1:59 pm Operator: DN
Sample : 3E42901-11 Inst : GC/MS Ins
Misc : 100cc SVL-572-SA5C-SV-6.8-7.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 14:26 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

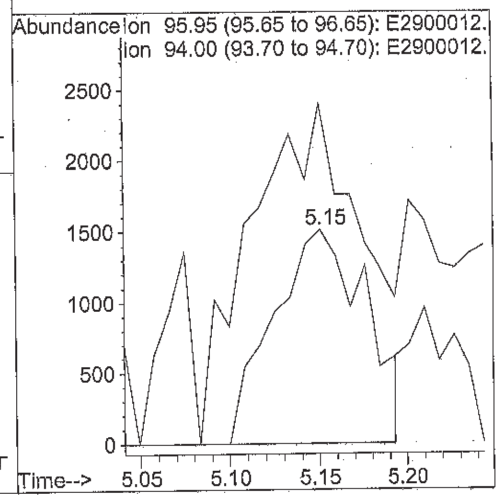


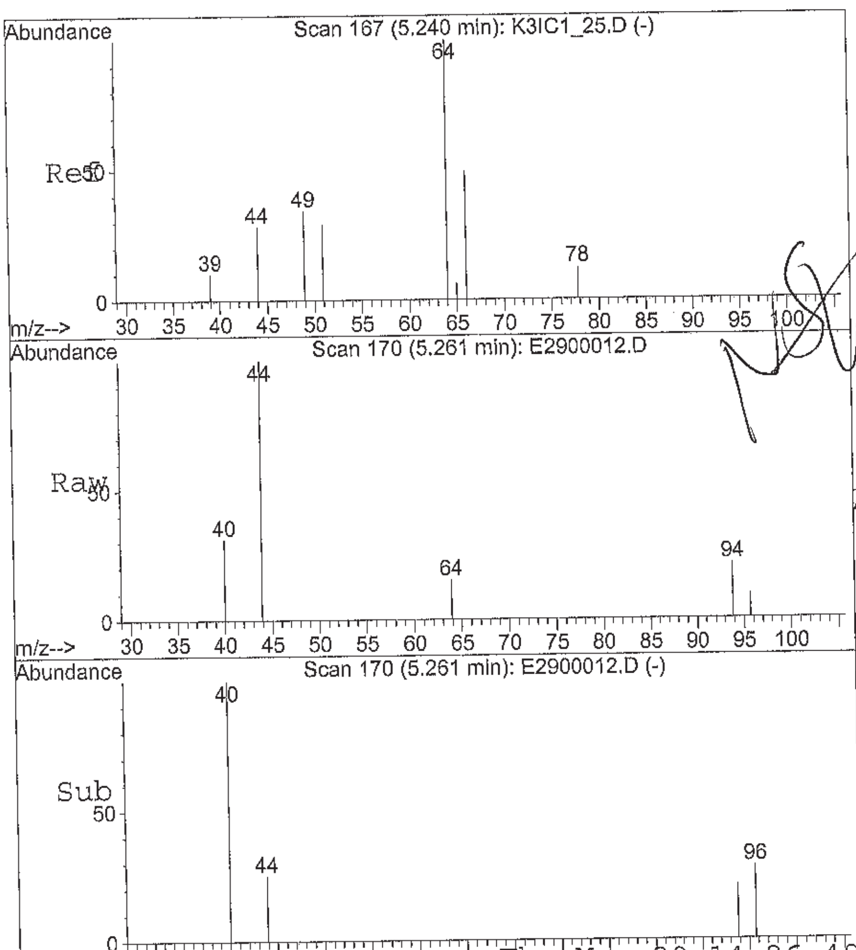


#6
Bromomethane
Concen: 1.28 ug/L
RT: 5.15 min Scan# 157
Delta R.T. 0.05 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 96 Resp: 5492

Ion	Ratio	Lower	Upper
96	100		
94	101.7	101.0	151.4

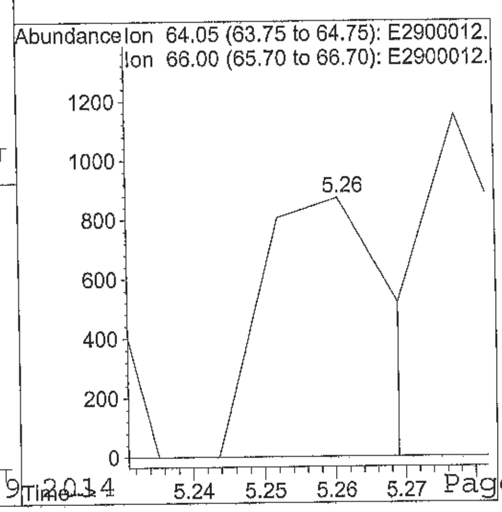


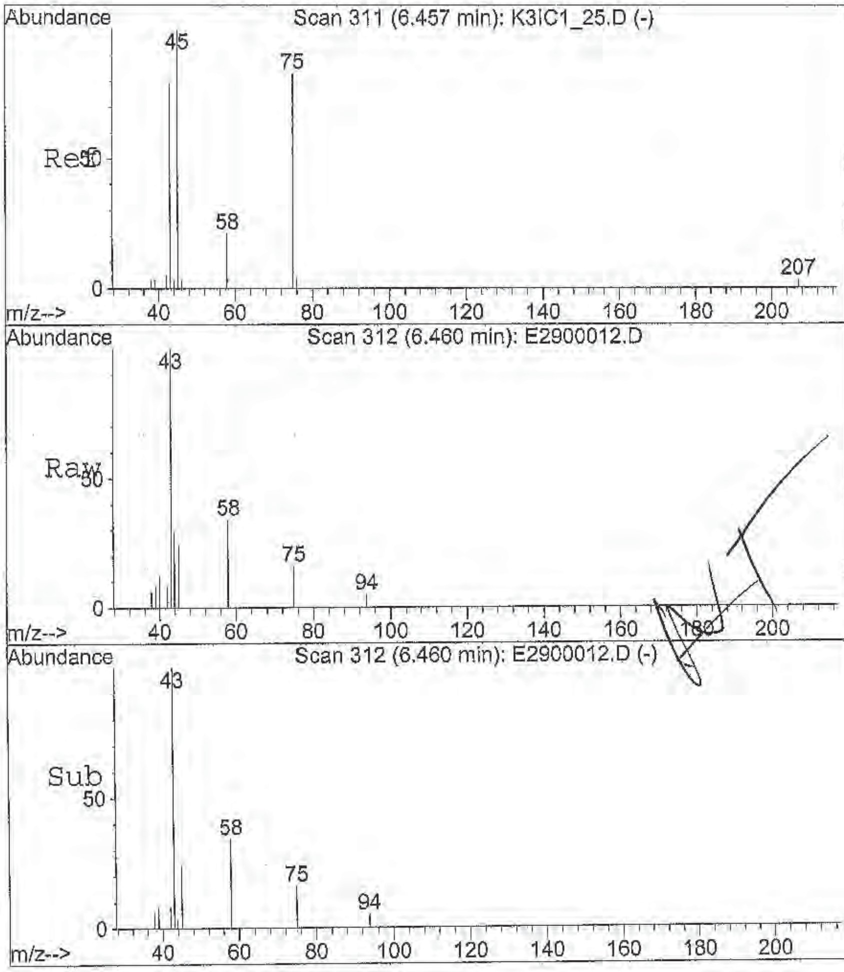


#7
Chloroethane
Concen: 1.51 ug/L
RT: 5.26 min Scan# 170
Delta R.T. 0.02 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 64 Resp: 1113

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

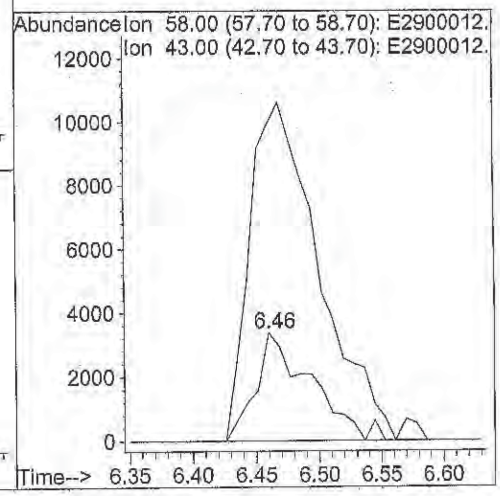


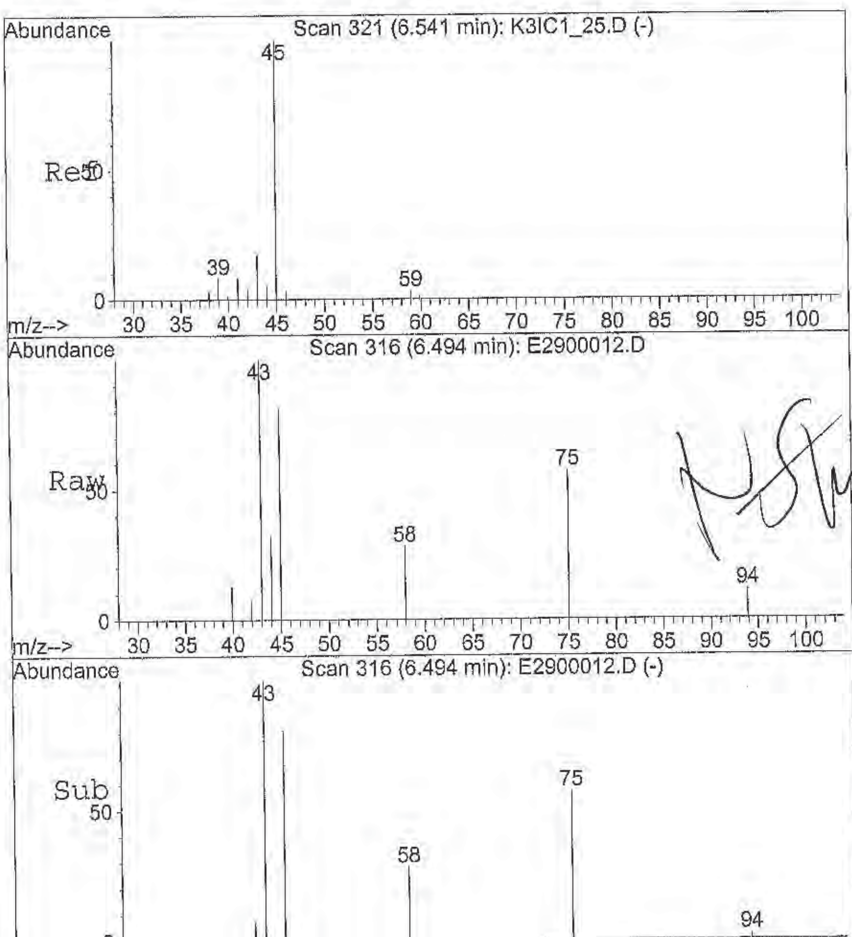


#11
Acetone
Concen: 11.99 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 58 Resp: 10258

Ion	Ratio	Lower	Upper
58	100		
43	392.9	360.9	541.3

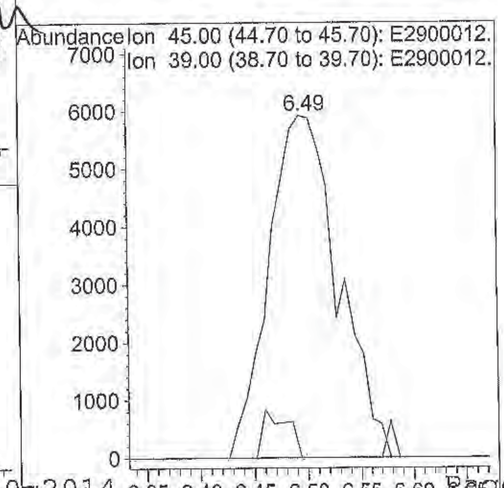


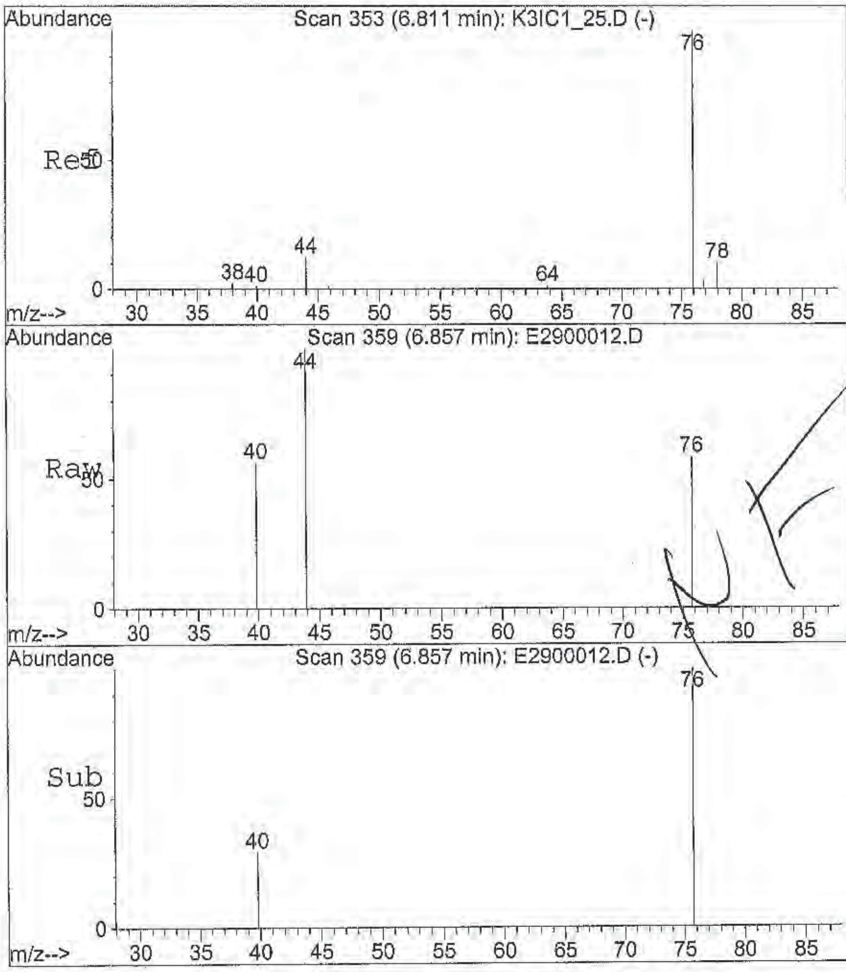


#12
(IPA) Leak Check Compound
Concen: 136.59 ug/L
RT: 6.49 min Scan# 316
Delta R.T. -0.05 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 45 Resp: 26815

Ion	Ratio	Lower	Upper
45	100		
39	0.0	4.9	7.3#

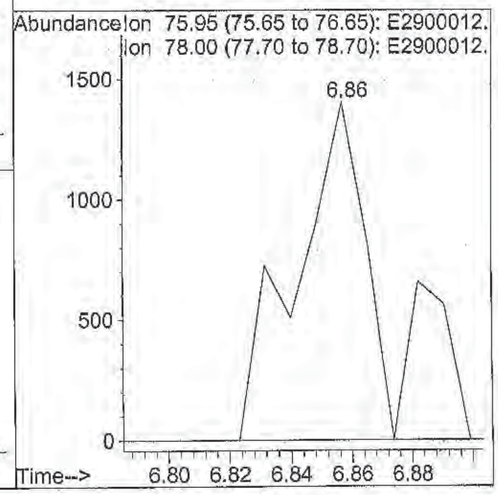


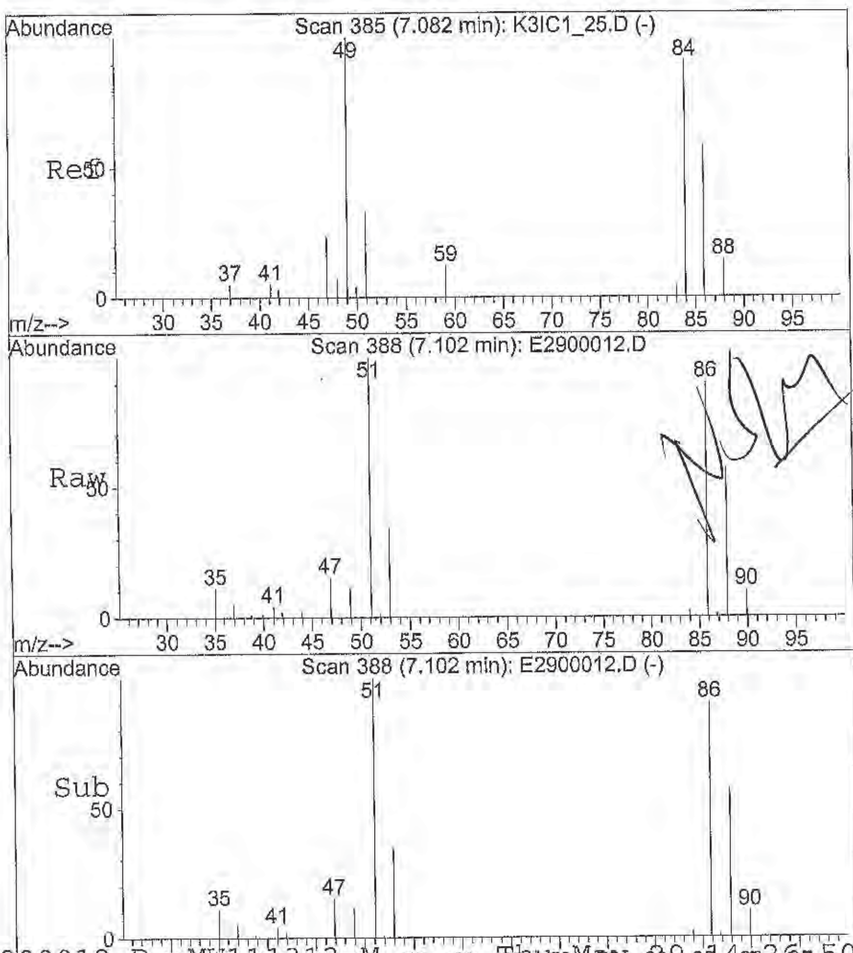


#13
Carbon disulfide
Concen: 0.16 ug/L
RT: 6.86 min   Scan# 359
Delta R.T.   0.05 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion: 76 Resp: 2205

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

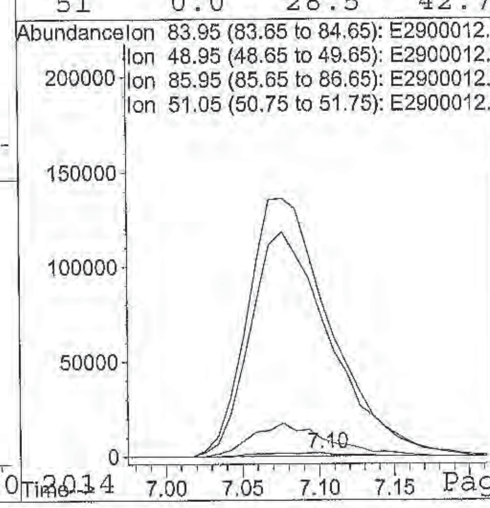


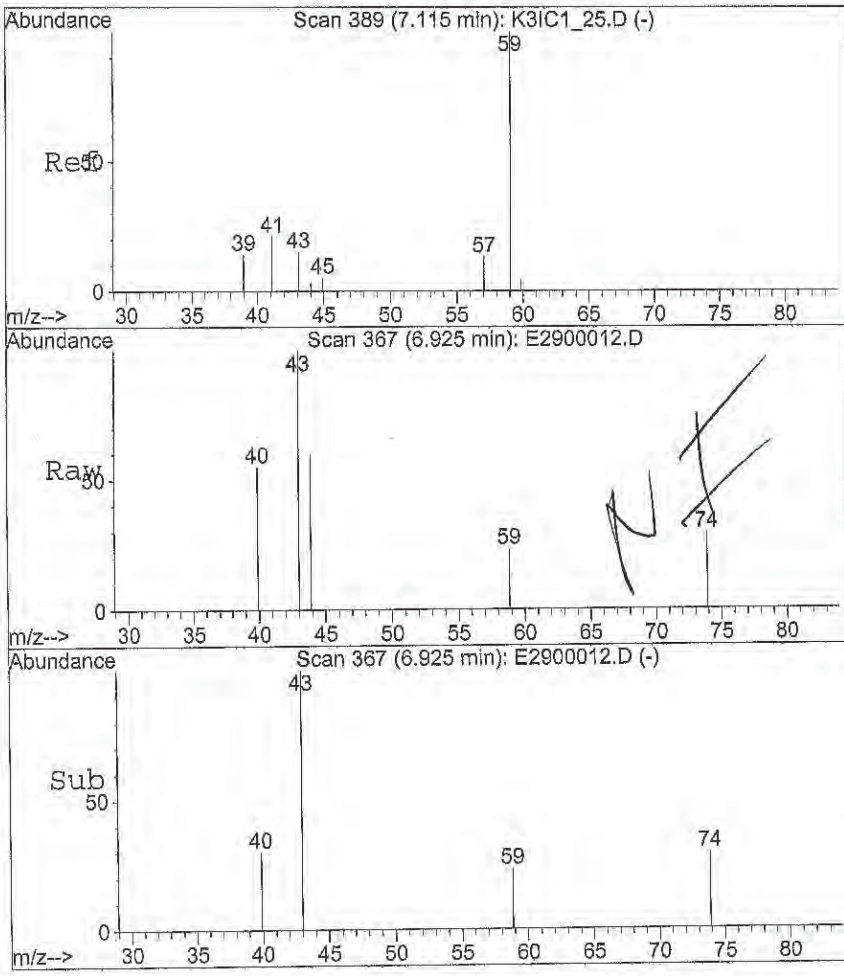


#14
Methylene Chloride
Concen: 1.40 ug/L
RT: 7.10 min   Scan# 388
Delta R.T.   0.02 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion: 84 Resp: 6276

Ion	Ratio	Lower	Upper
84	100		
49	0.0	89.8	134.6#
86	0.0	51.1	76.7#
51	0.0	28.5	42.7#

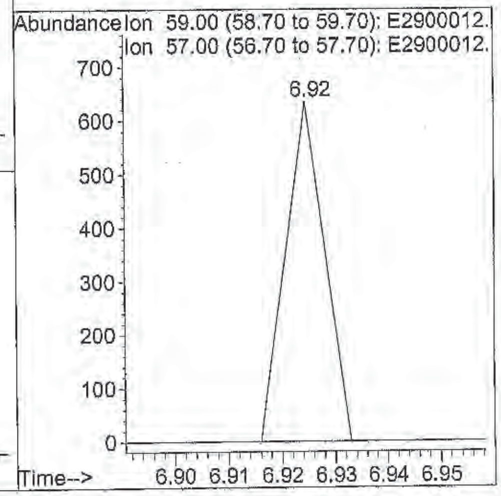


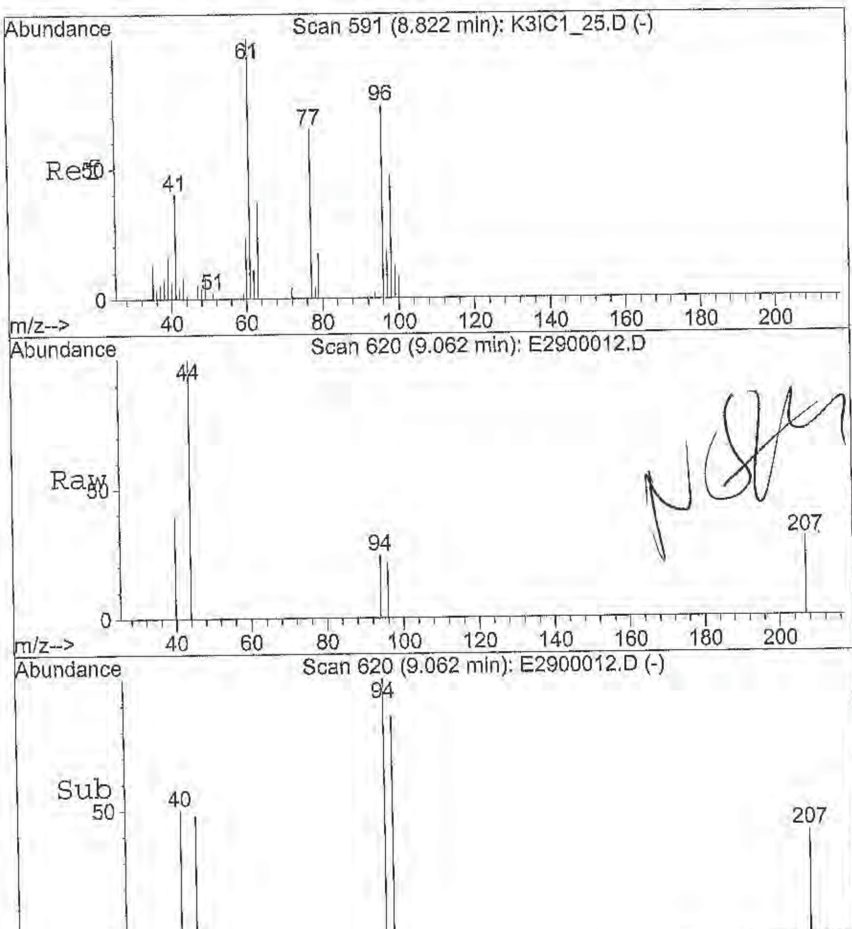


#15
(TBA) tert-Butanol
Concen: 1.16 ug/L
RT: 6.92 min Scan# 367
Delta R.T. -0.19 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 59 Resp: 322

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

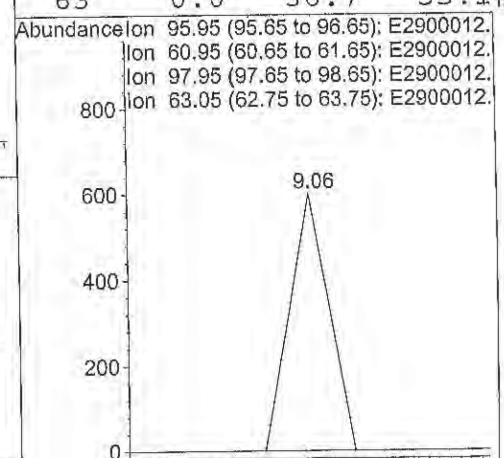


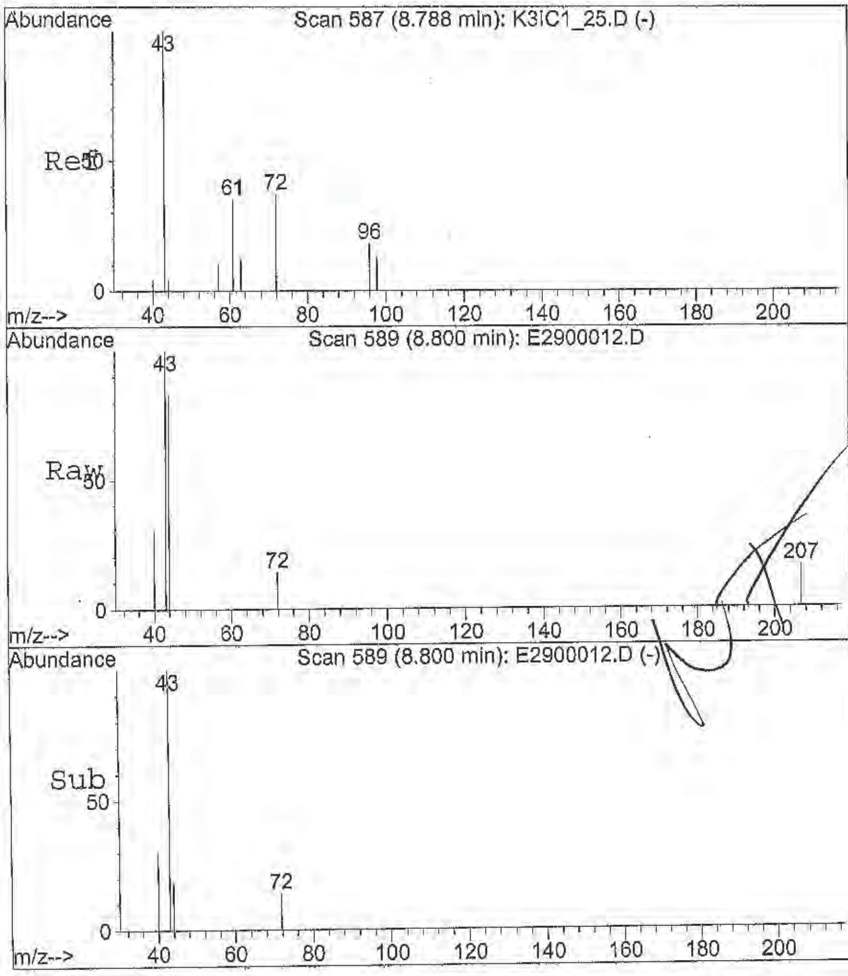


#19
cis-1,2-Dichloroethene
Concen: 0.06 ug/L
RT: 9.06 min Scan# 620
Delta R.T. 0.24 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 96 Resp: 305

Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

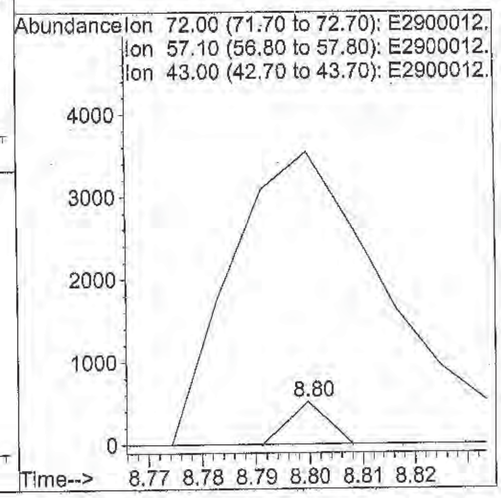


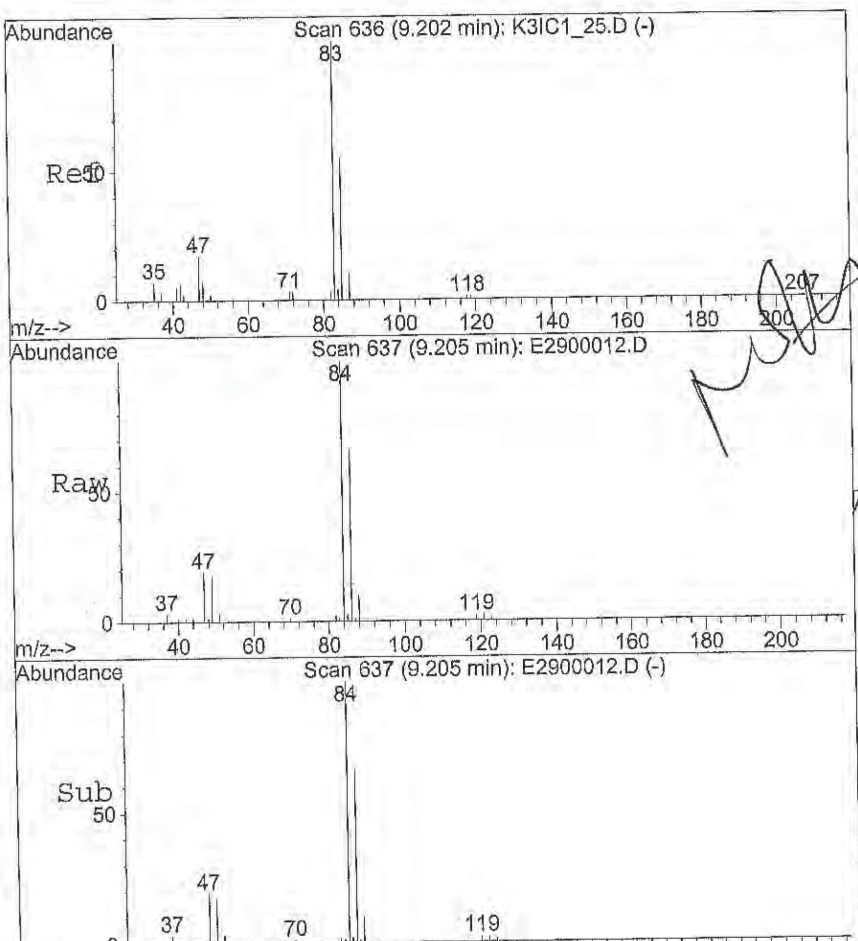


#21
(MEK) 2-Butanone
Concen: 0.56 ug/L
RT: 8.80 min Scan# 589
Delta R.T. 0.01 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 72 Resp: 258

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	2762.8	314.2	471.2#

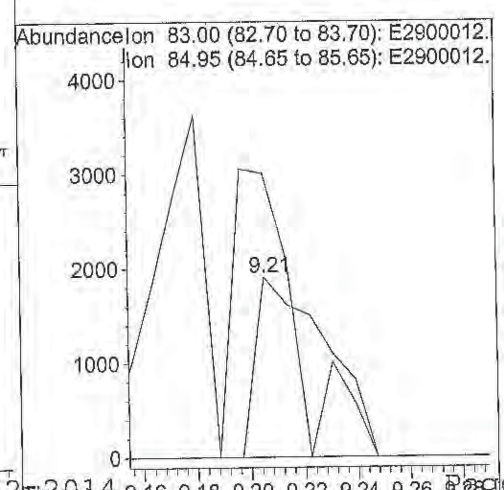


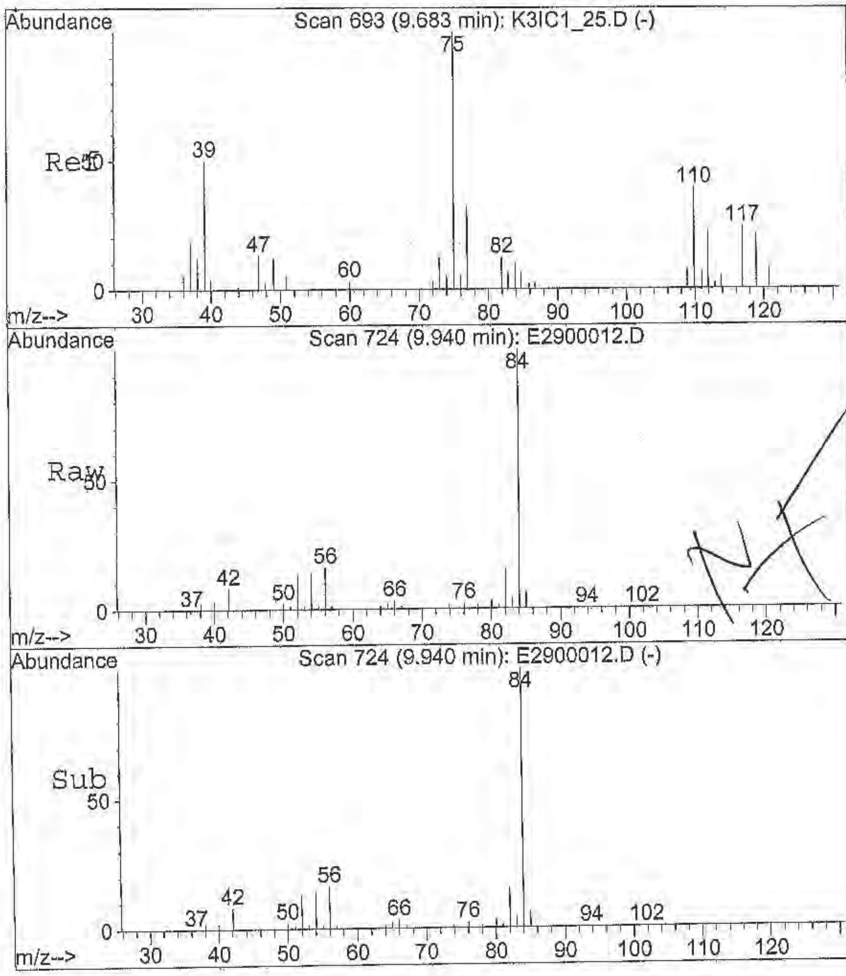


#24
Chloroform
Concen: 0.41 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 83 Resp: 3518

Ion	Ratio	Lower	Upper
83	100		
85	139.9	51.8	77.6#

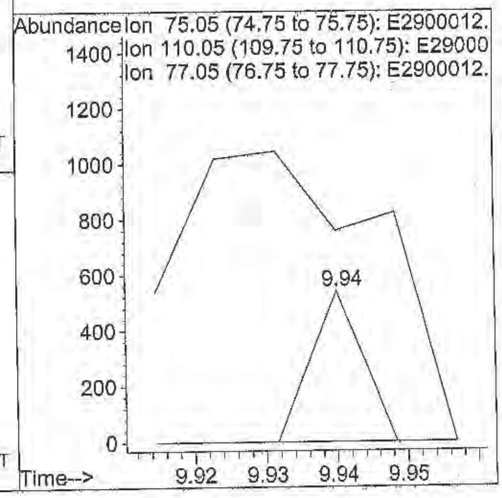


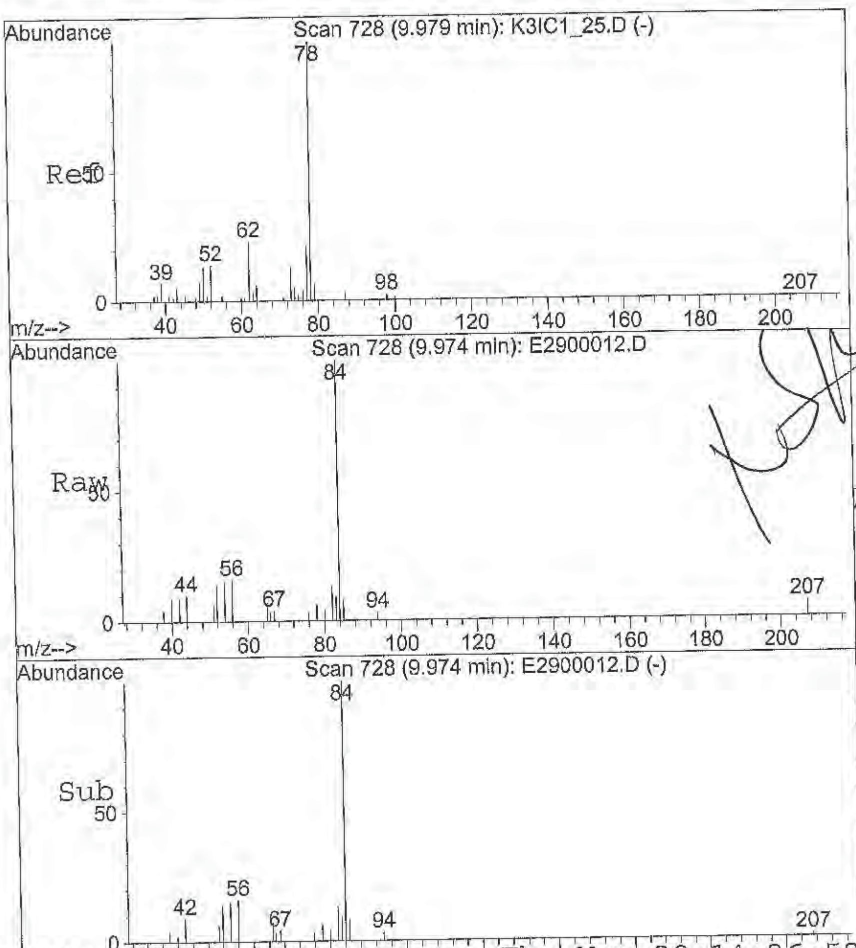


#29
1,1-Dichloropropene
Concen: 0.04 ug/L
RT: 9.94 min Scan# 724
Delta R.T. 0.26 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 75 Resp: 273

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	776.6	25.0	37.4#

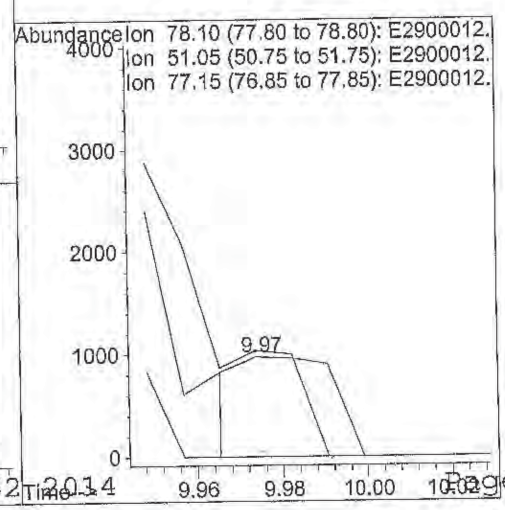


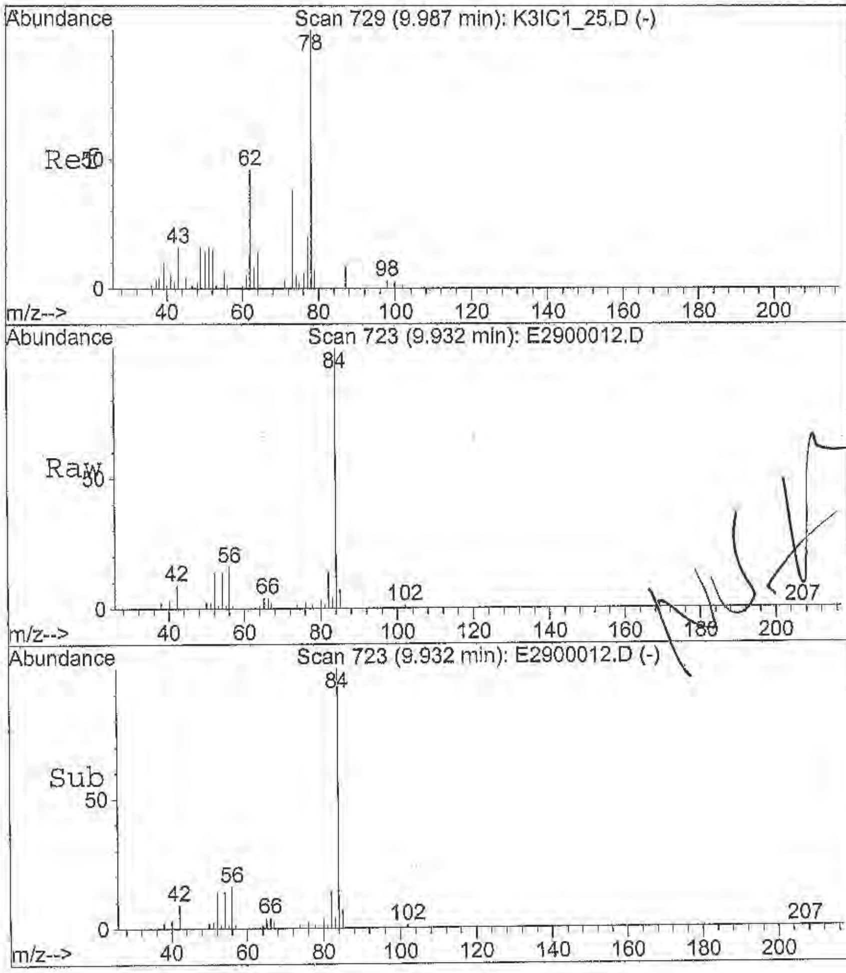


#31
Benzene
Concen: 0.09 ug/L
RT: 9.97 min Scan# 728
Delta R.T. -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 78 Resp: 1431

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

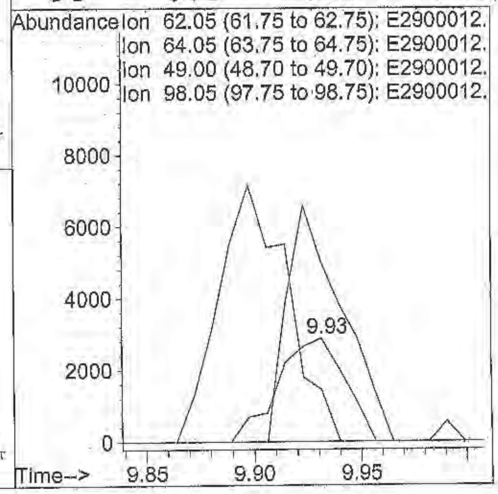


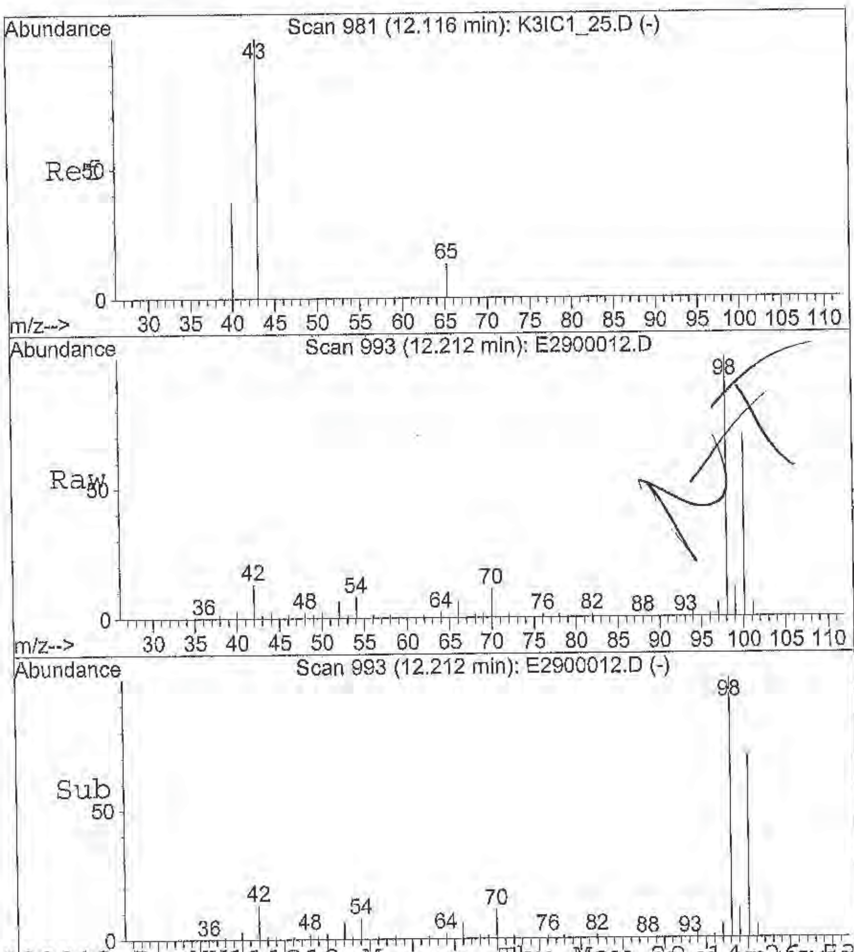


#32
1,2-Dichloroethane
Concen: 1.14 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 62 Resp: 6207

Ion	Ratio	Lower	Upper
62	100		
64	191.4	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

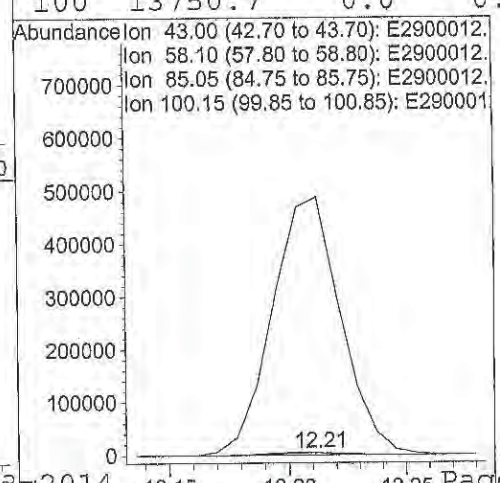


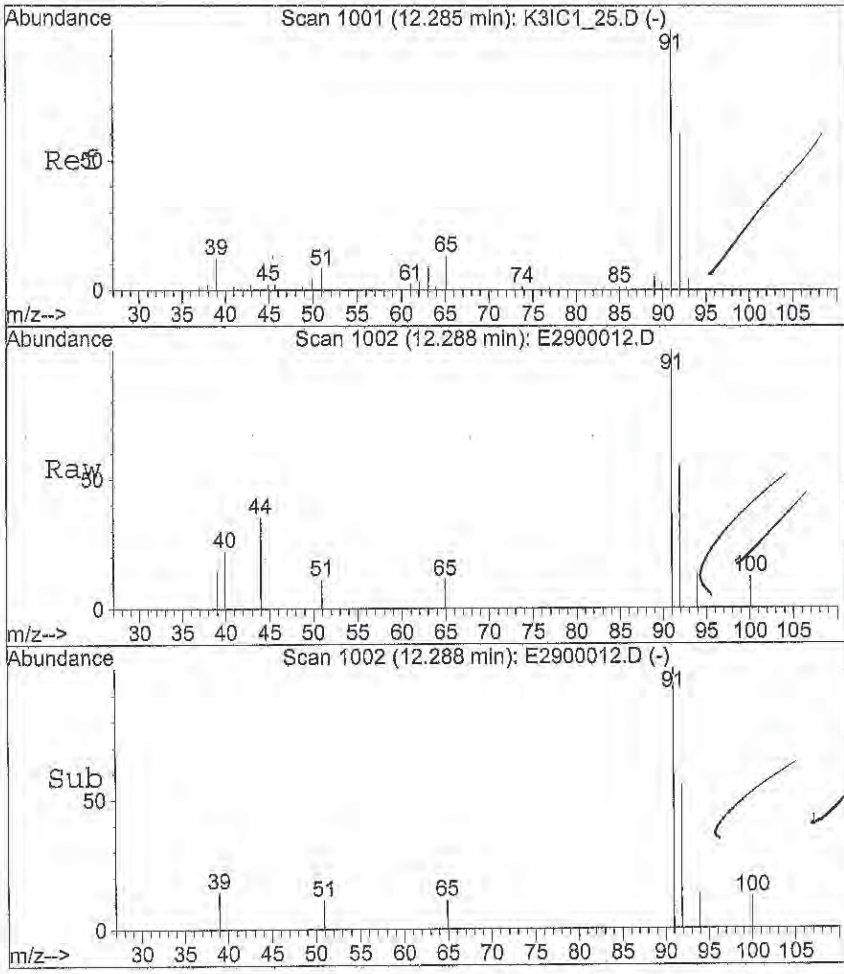


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.69 ug/L
RT: 12.21 min Scan# 993
Delta R.T. 0.10 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 43 Resp: 7126

Ion	Ratio	Lower	Upper
43	100		
58	140.7	0.0	0.0#
85	0.0	0.0	0.0
100	13750.7	0.0	0.0#

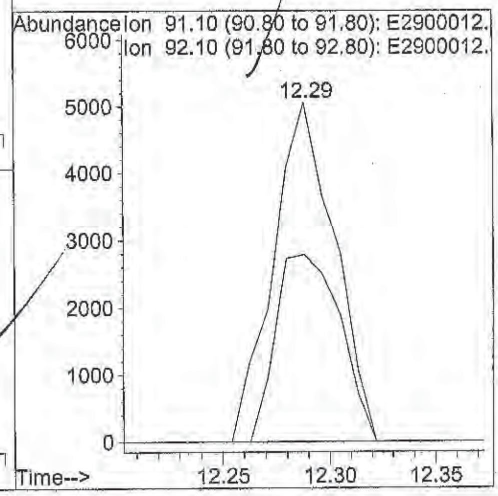


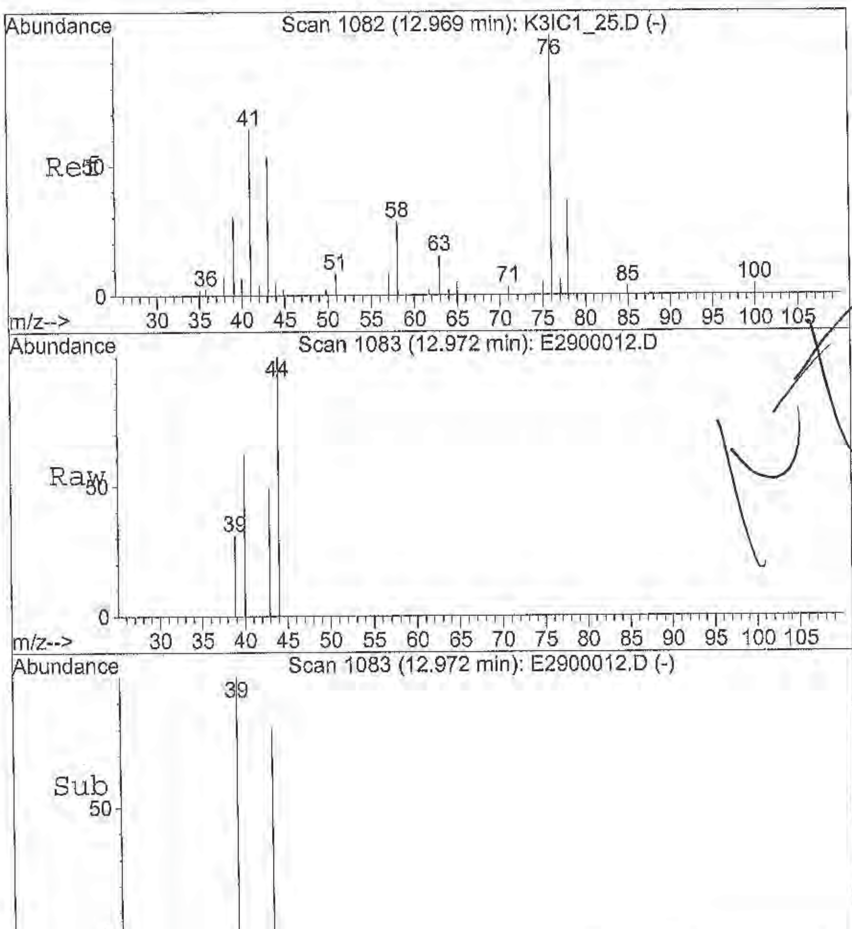


#41
Toluene
Concen: 0.56 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 91 Resp: 10065

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.4	71.0

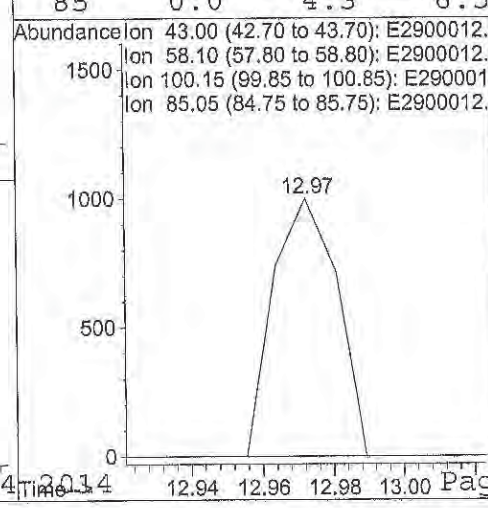


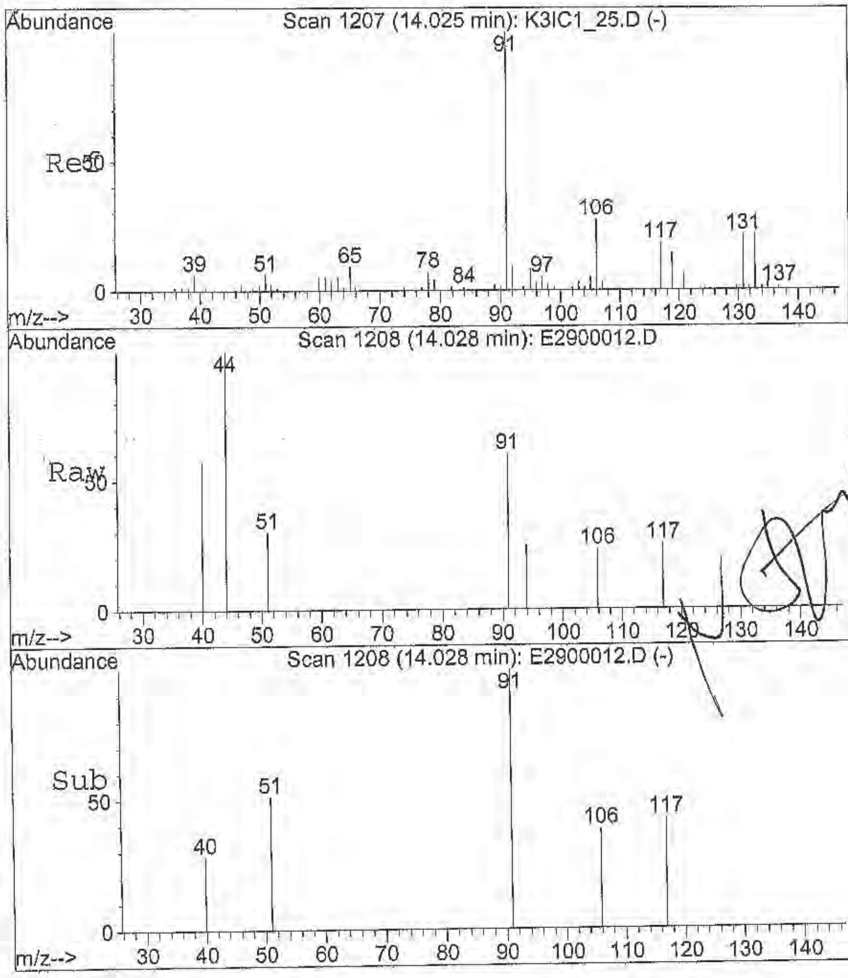


#46
2-Hexanone
Concen: 0.43 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 43 Resp: 1248

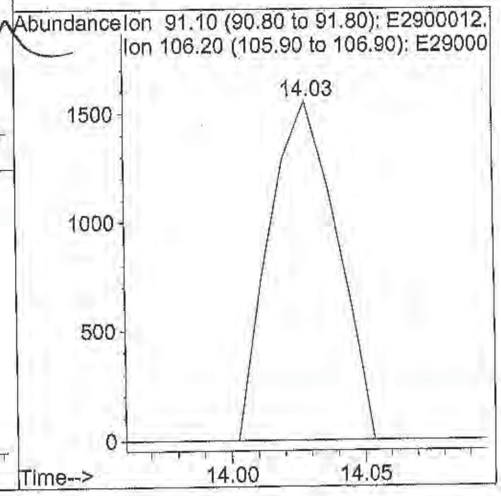
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

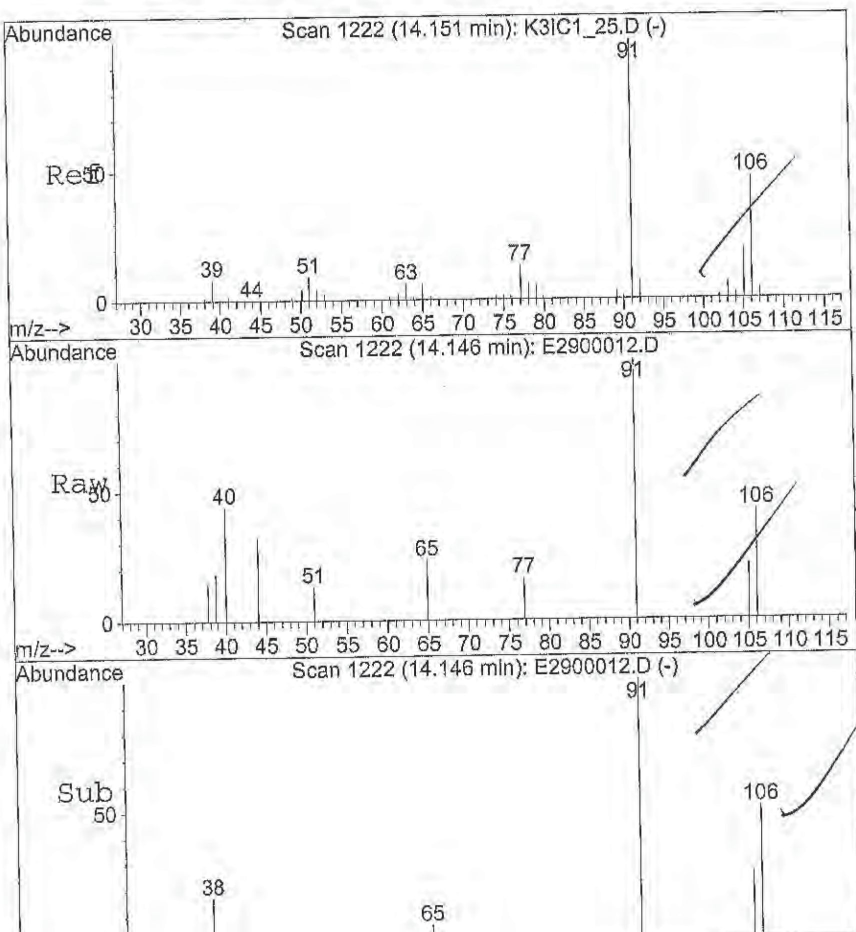




#51
Ethylbenzene
Concen: 0.13 ug/L
RT: 14.03 min Scan# 1208
Delta R.T.   0.00 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

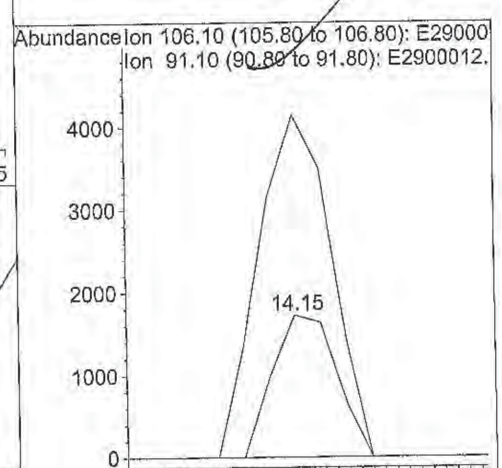
Tgt Ion: 91	Resp:		2711
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

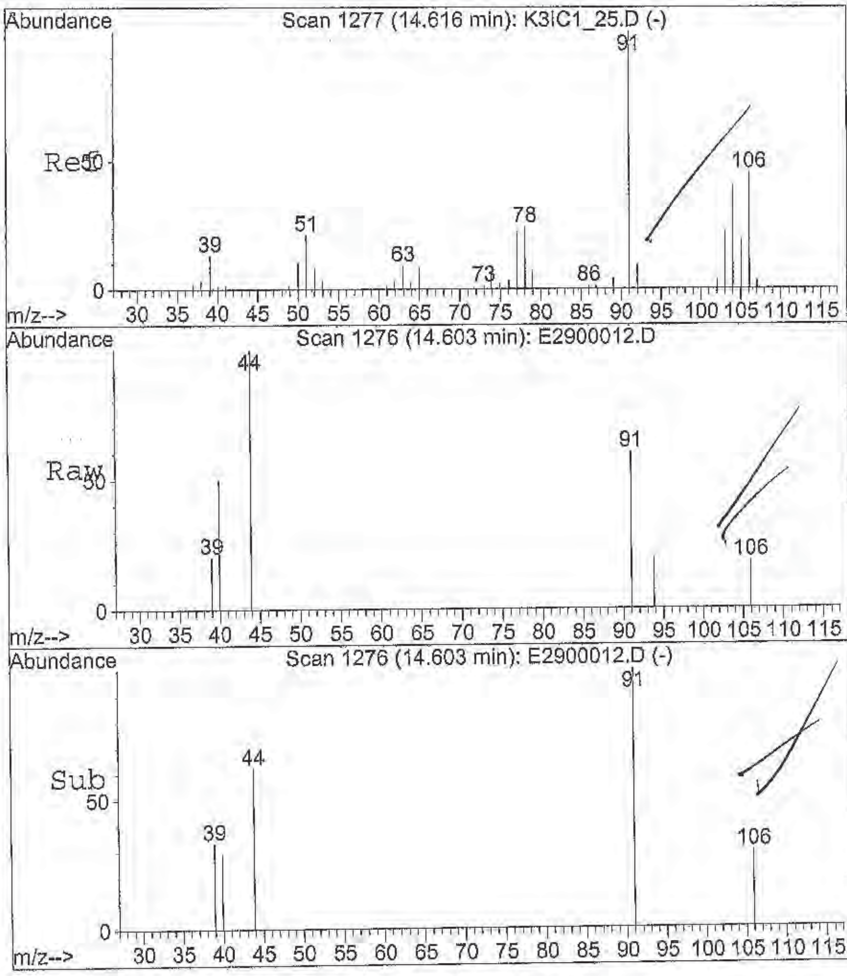




#52
m,p-Xylenes
Concen: 0.34 ug/L
RT: 14.15 min Scan# 1222
Delta R.T.   -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion:106	Resp:		2519
Ion	Ratio	Lower	Upper
106	100		
91	272.5	177.1	265.7#

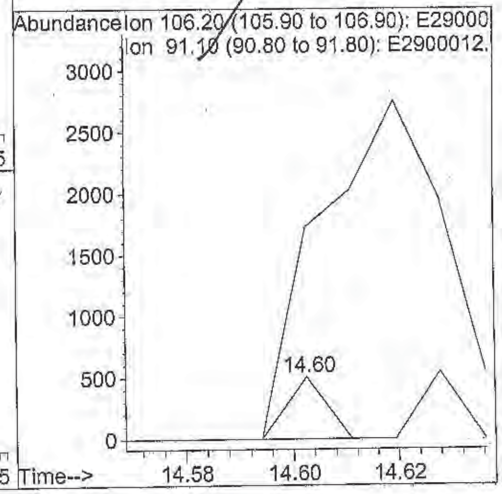


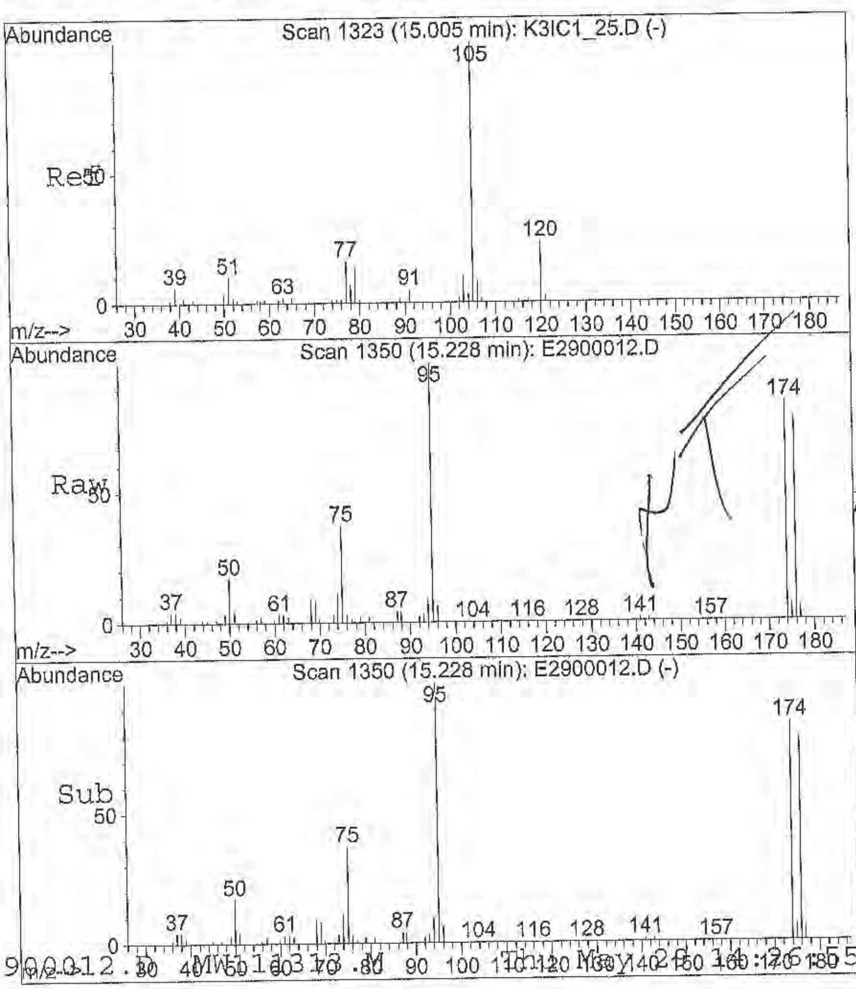


#53
o-Xylene
Concen: 0.04 ug/L
RT: 14.60 min Scan# 1276
Delta R.T. -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion:106 Resp: 254

Ion	Ratio	Lower	Upper
106	100		
91	0.0	179.0	268.6#

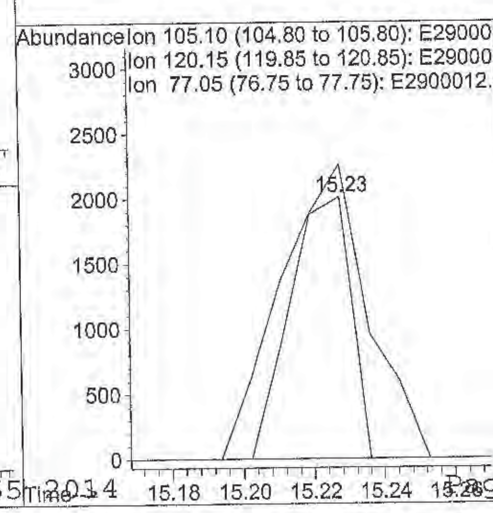


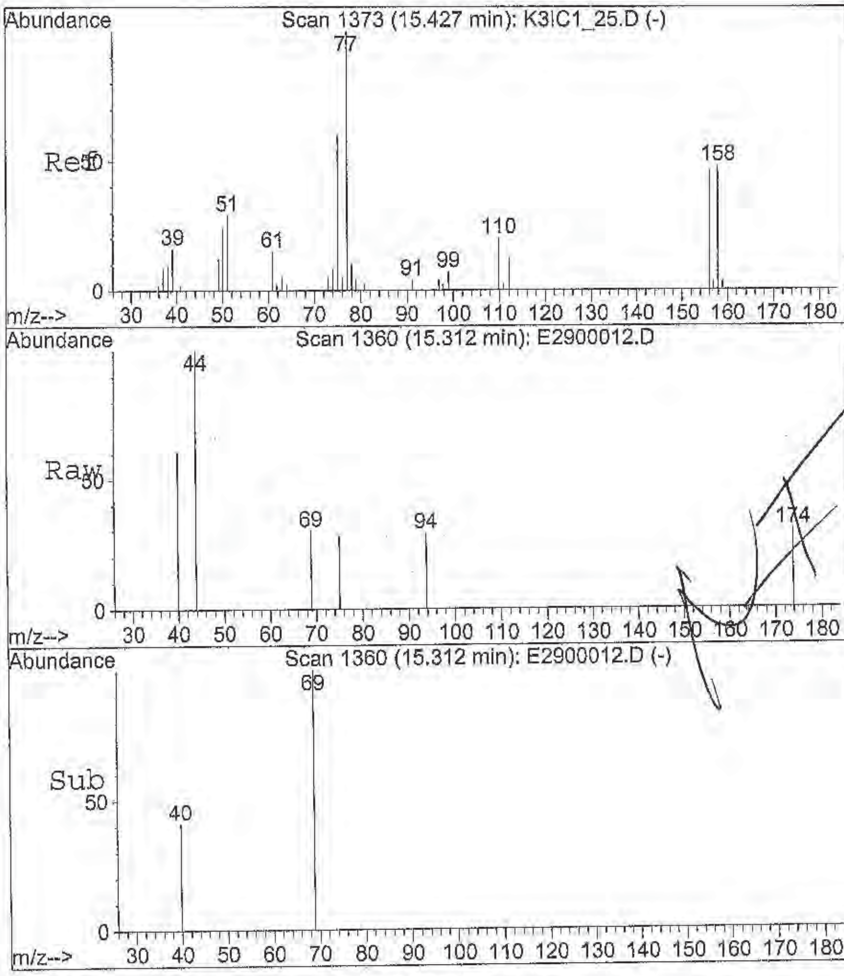


#56
Isopropylbenzene
Concen: 0.12 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. 0.22 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion:105 Resp: 2409

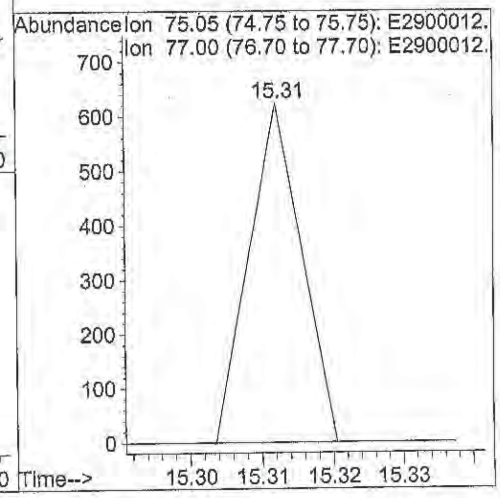
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	161.6	13.1	19.7#

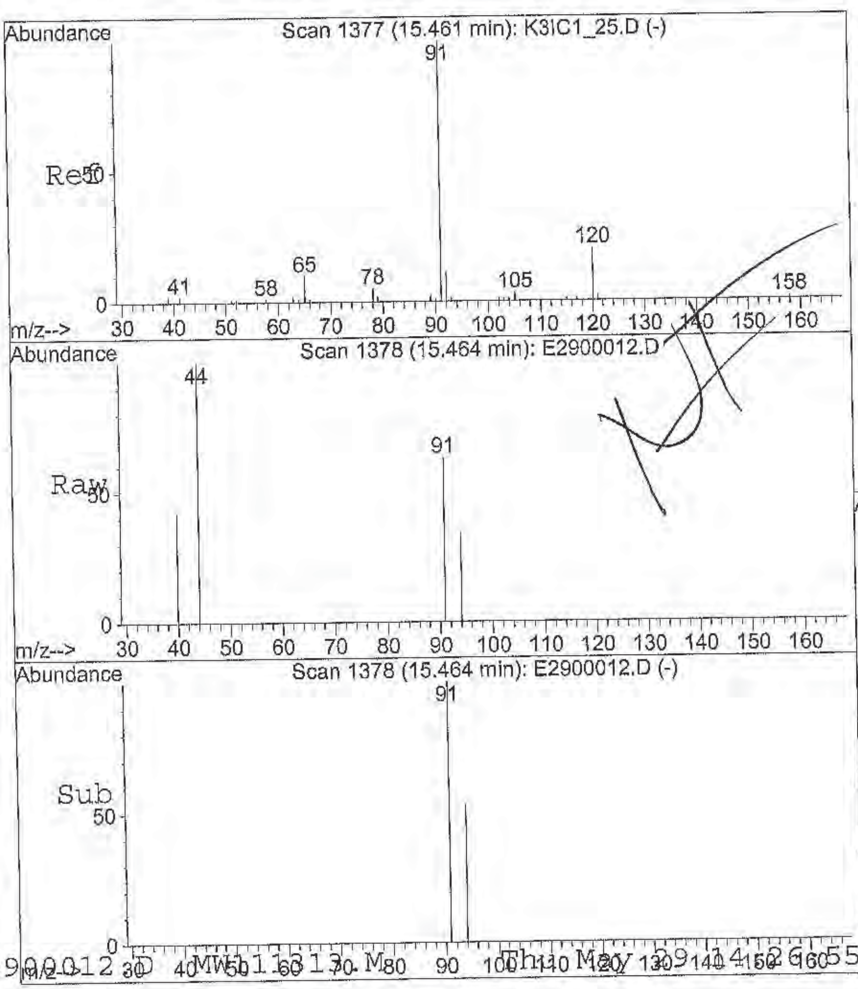




#57
1,2,3-Trichloropropane
Concen: 0.06 ug/L
RT: 15.31 min Scan# 1360
Delta R.T. -0.11 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

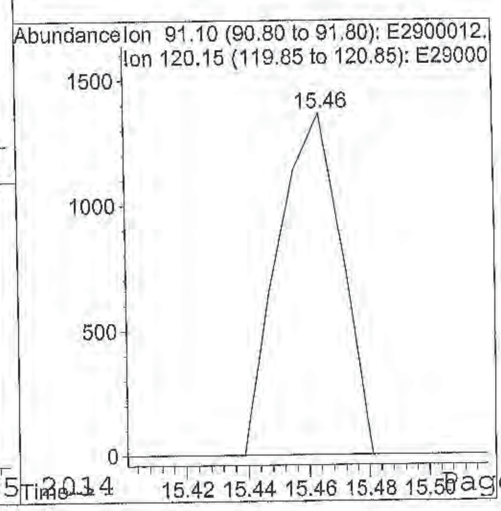
Tgt Ion: 75	Resp:		316
Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

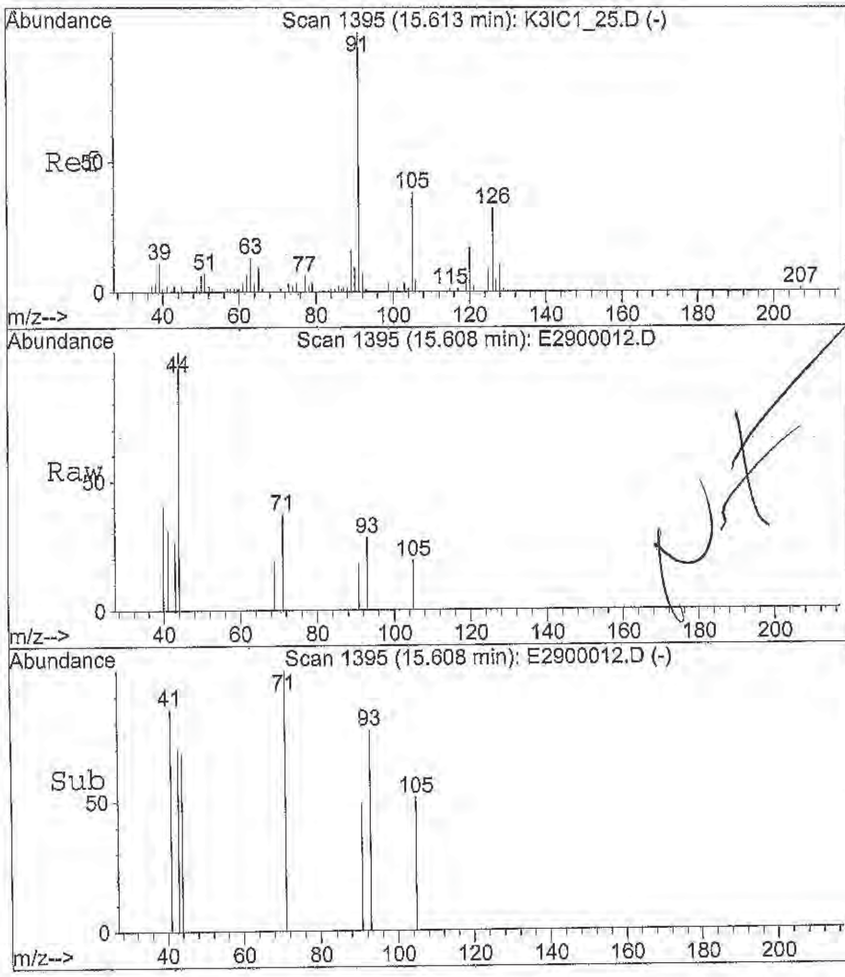




#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion: 91	Resp:		1972
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

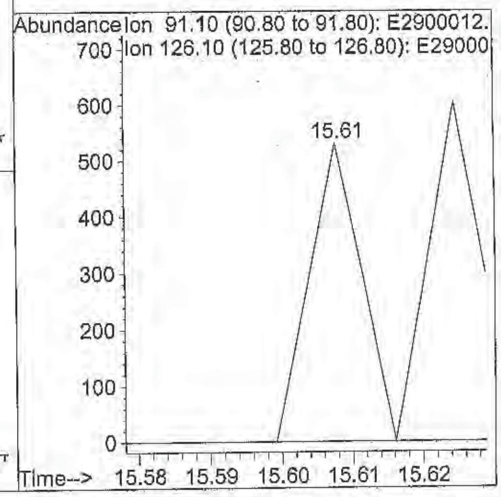


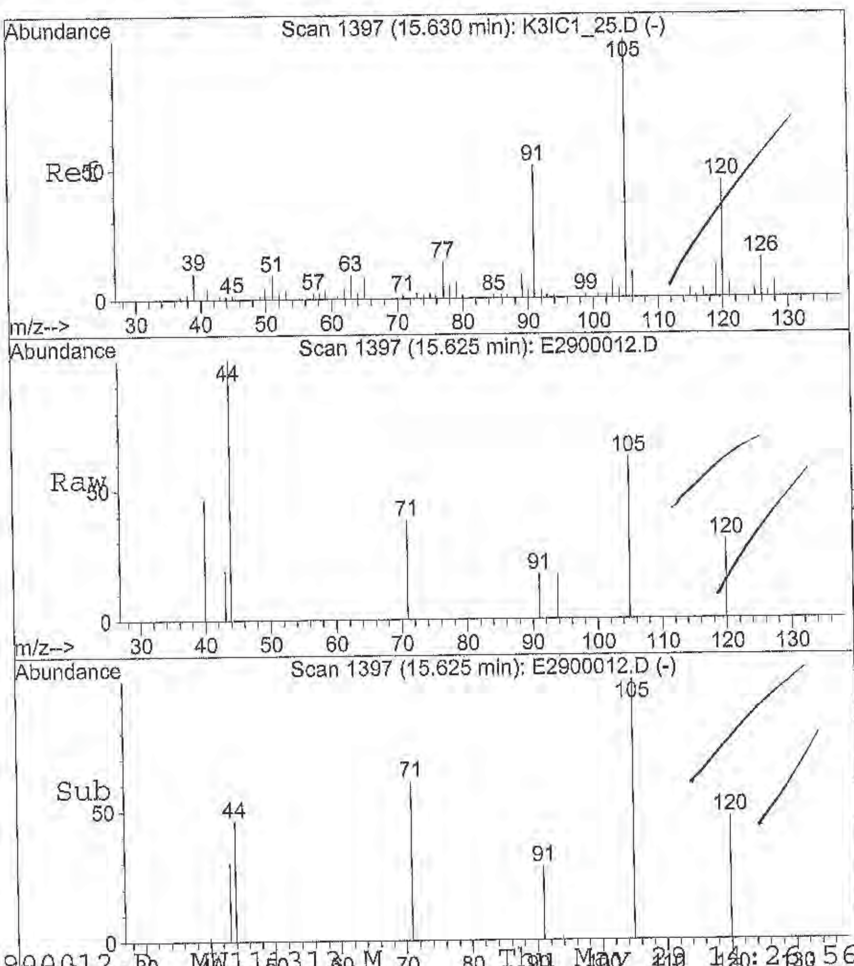


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.61 min   Scan# 1395
Delta R.T.   -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion: 91 Resp: 269

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

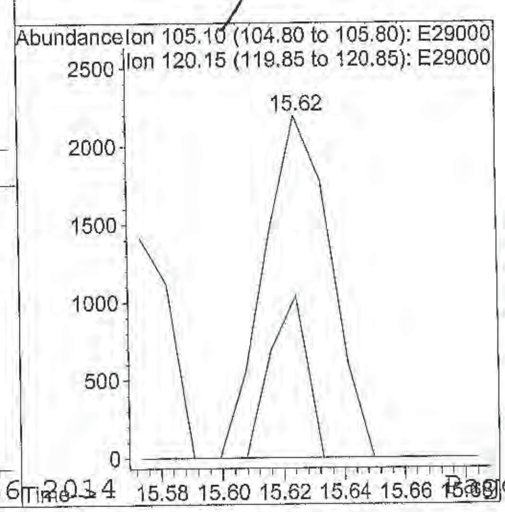




#64
1,3,5-Trimethylbenzene
Concen: 0.19 ug/L
RT: 15.62 min   Scan# 1397
Delta R.T.   -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion:105 Resp: 3333

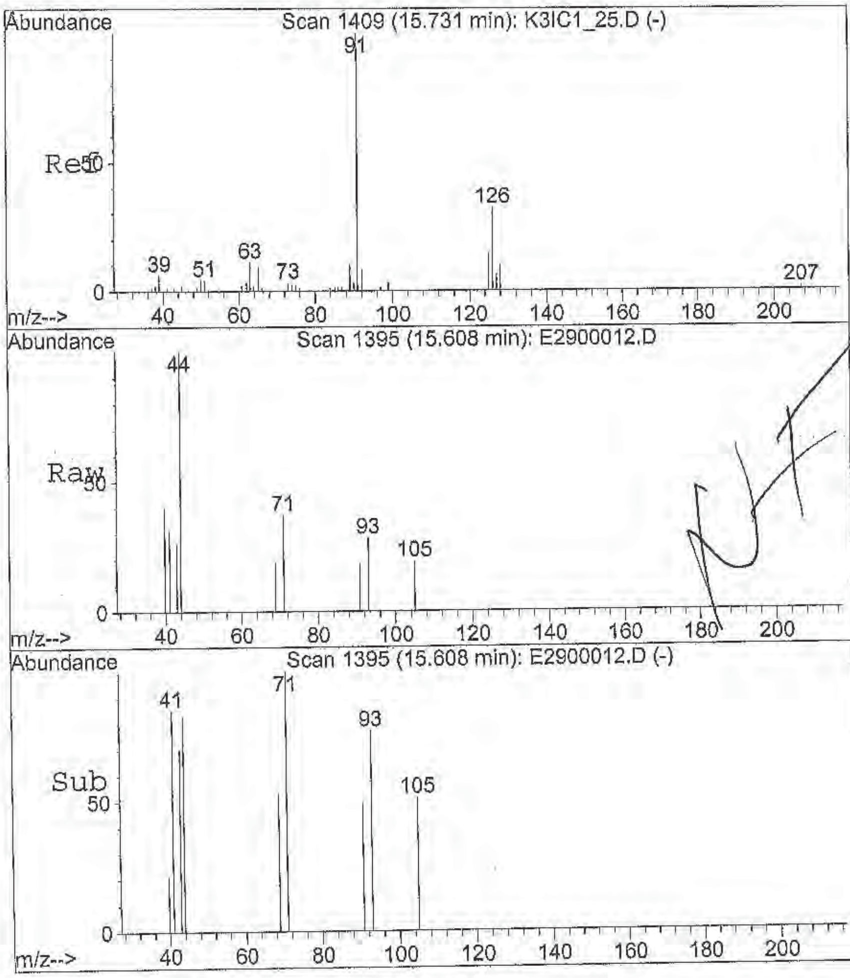
Ion	Ratio	Lower	Upper
105	100		
120	26.3	36.4	54.6#

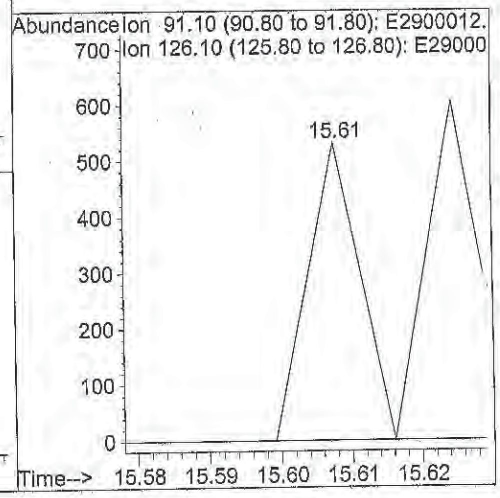


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.61 min   Scan# 1395
Delta R.T.   -0.12 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion: 91 Resp: 269

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

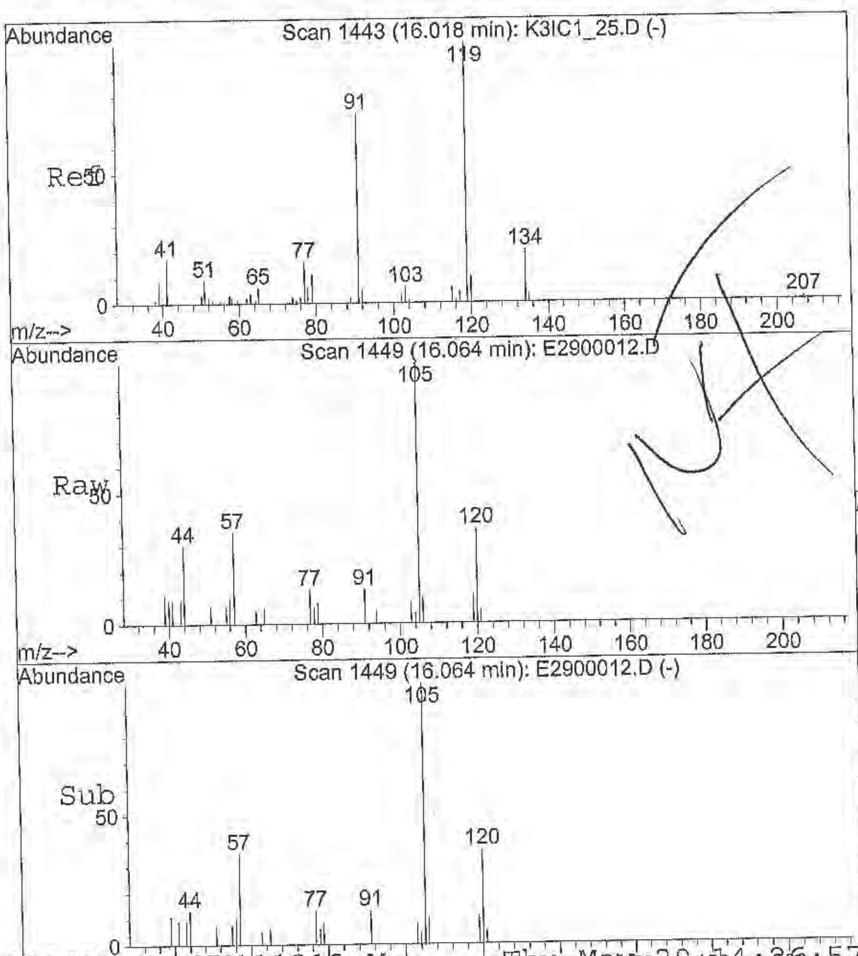


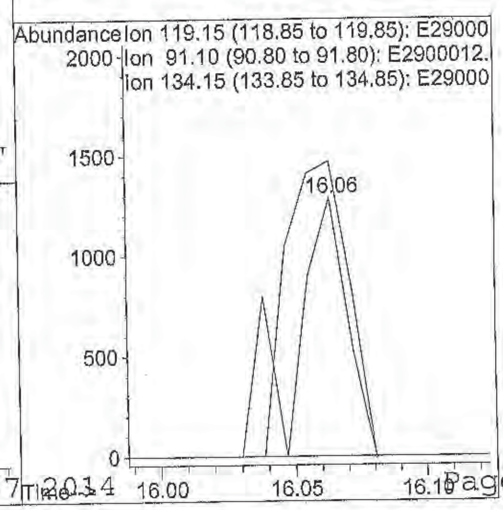


#66
tert-Butylbenzene
Concen: 0.12 ug/L
RT: 16.06 min   Scan# 1449
Delta R.T.   0.05 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt Ion:119 Resp: 1776

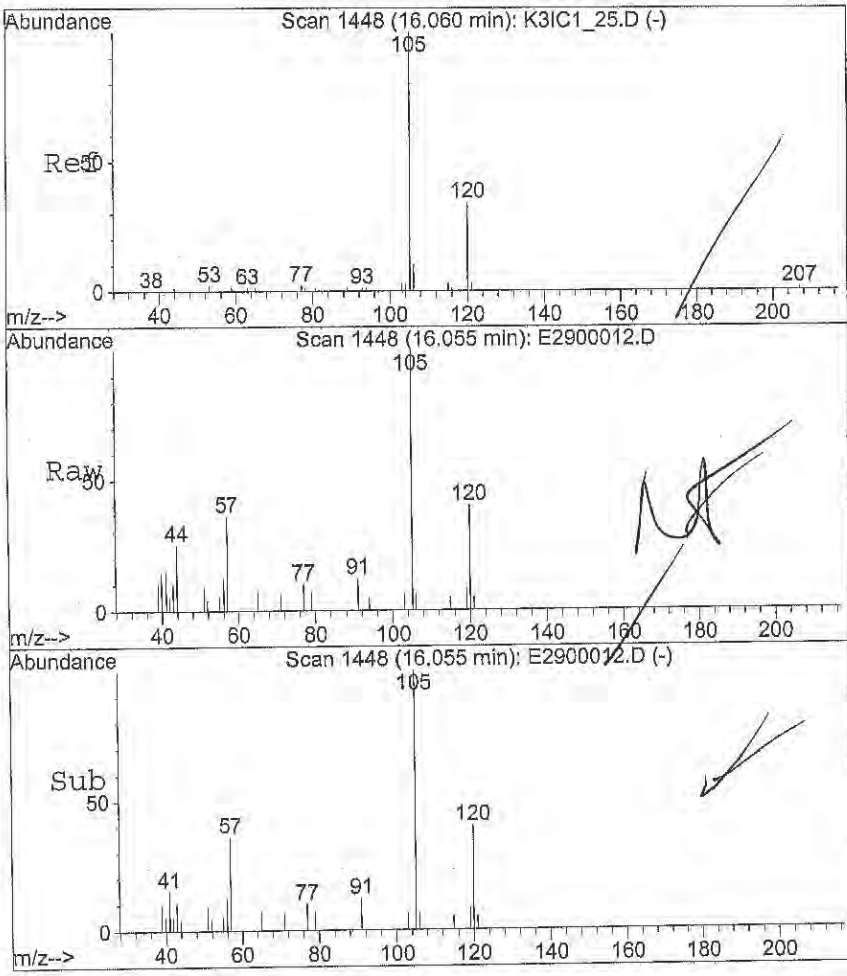
Ion	Ratio	Lower	Upper
119	100		
91	135.0	56.3	84.5#
134	0.0	16.1	24.1#

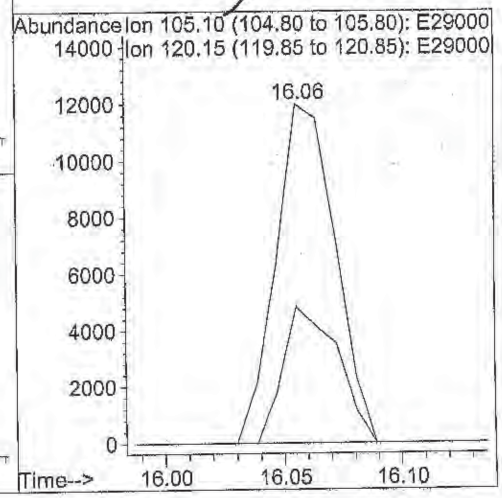




#67
1,2,4-Trimethylbenzene
Concen: 1.13 ug/L
RT: 16.06 min   Scan# 1448
Delta R.T.   -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

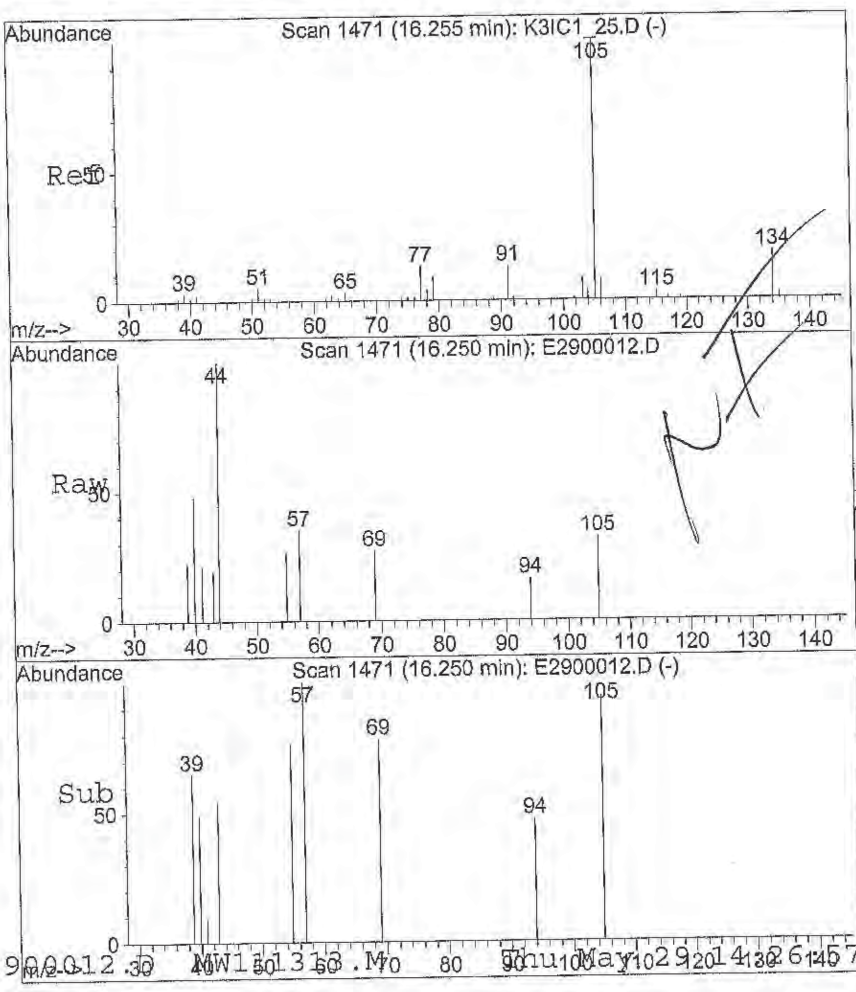
Tgt	Ion:105	Resp:	20952
Ion	Ratio	Lower	Upper
105	100		
120	37.1	33.8	50.8

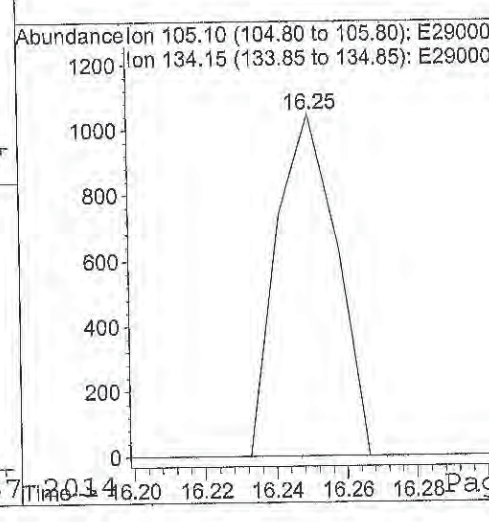


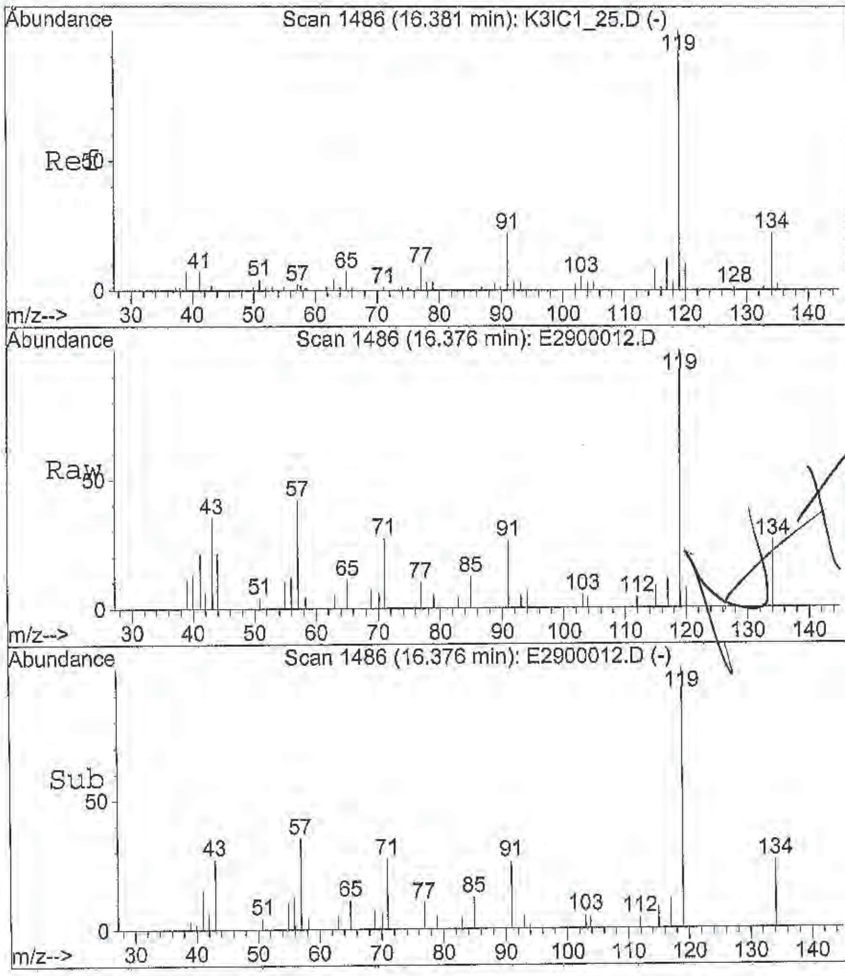


#68
sec-Butylbenzene
Concen: 0.05 ug/L
RT: 16.25 min   Scan# 1471
Delta R.T.   -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014   1:59 pm

Tgt	Ion:105	Resp:	1225
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

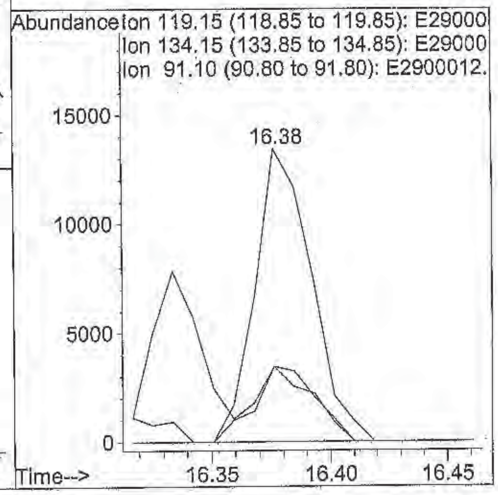


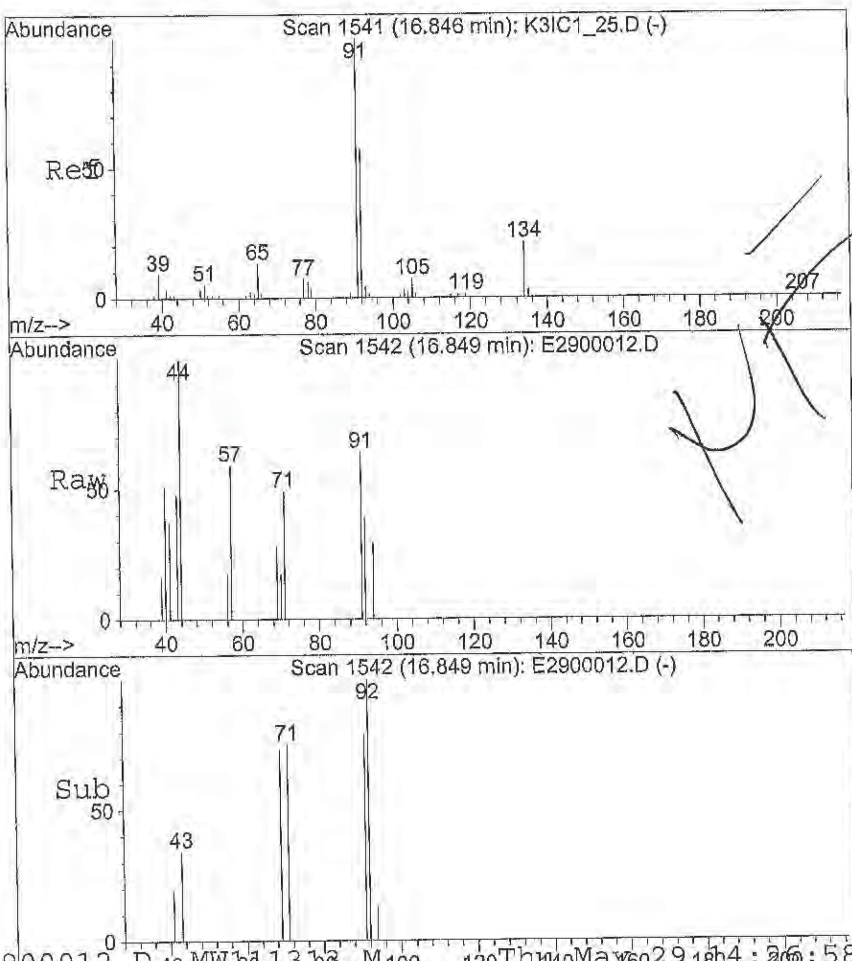




#69
p-Isopropyltoluene
Concen: 1.14 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

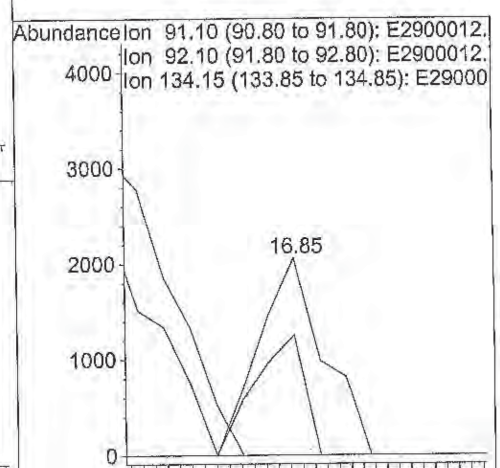
Tgt	Ion:119	Resp:	22128
Ion	Ratio	Lower	Upper
119	100		
134	27.9	17.4	26.2#
91	24.9	19.6	29.4

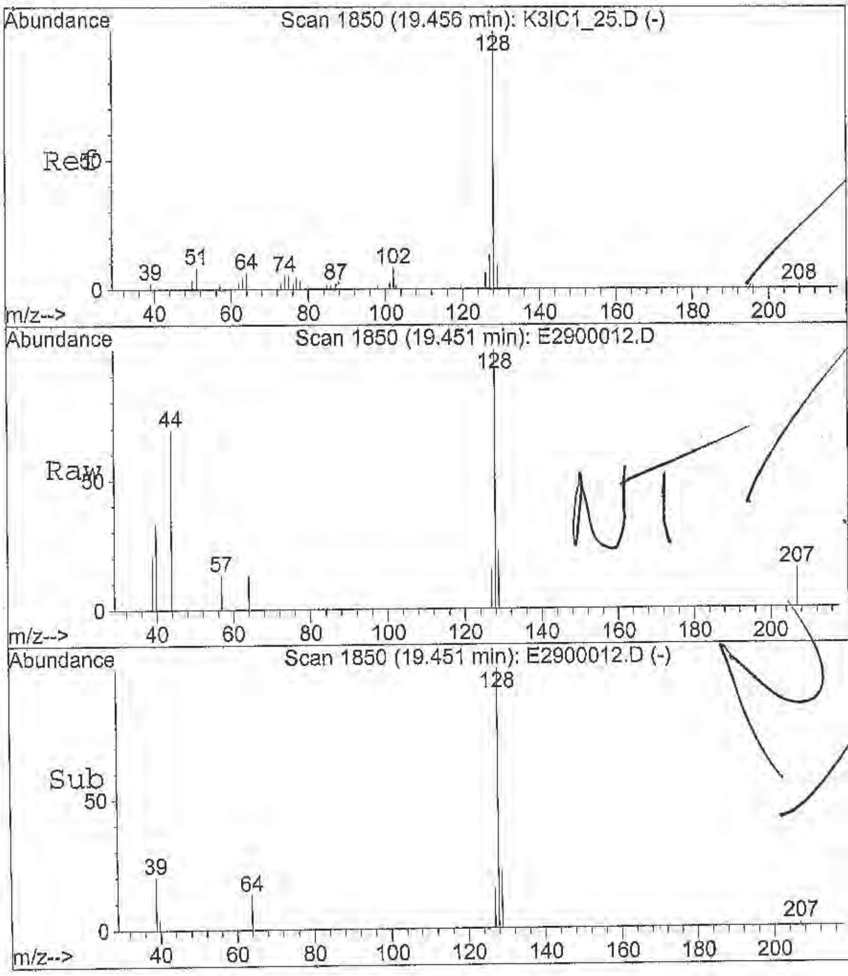




#72
n-Butylbenzene
Concen: 0.15 ug/L
RT: 16.85 min Scan# 1542
Delta R.T. 0.00 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

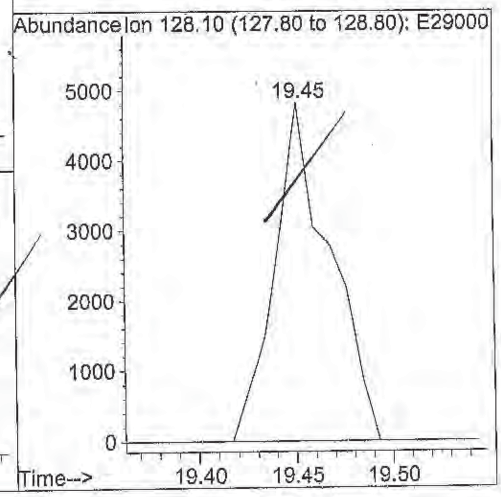
Tgt	Ion: 91	Resp:	3048
Ion	Ratio	Lower	Upper
91	100		
92	46.7	47.0	70.4#
134	0.0	18.1	27.1#





#77
Naphthalene
Concen: 0.68 ug/L
RT: 19.45 min Scan# 1850
Delta R.T. -0.01 min
Lab File: E2900012.D
Acq: 29 May 2014 1:59 pm

Tgt Ion:128 Resp: 9577



Data File : C:\HPCHEM\1\DATA\052914L3\E2900012.D Vial: 3
Acq On : 29 May 2014 1:59 pm Operator: DN
Sample : 3E42901-11 Inst : GC/MS Ins
Misc : 100cc SVL-572-SA5C-SV-6.8-7.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 14:26 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1633764	12.50 ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1324915	12.50 ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	712550	12.50 ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	460794	10.85 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 86.80%	
3) Chloroform-d (SU6)	9.19	84	741067	12.16 ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery	= 97.28%	
4) Methylene Chloride-d2 (SU5	7.08	86	433540	12.17 ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery	= 97.36%	
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	456427	15.72 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 125.76%#	
6) Benzene-d6 (SU7)	9.93	84	1461011	11.40 ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery	= 91.20%	
8) Toluene-d8 (SU3)	12.21	98	1434293	11.41 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 91.28%	
9) 4-Bromofluorobenzene (SU4)	15.22	95	718920	13.85 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 110.80%	

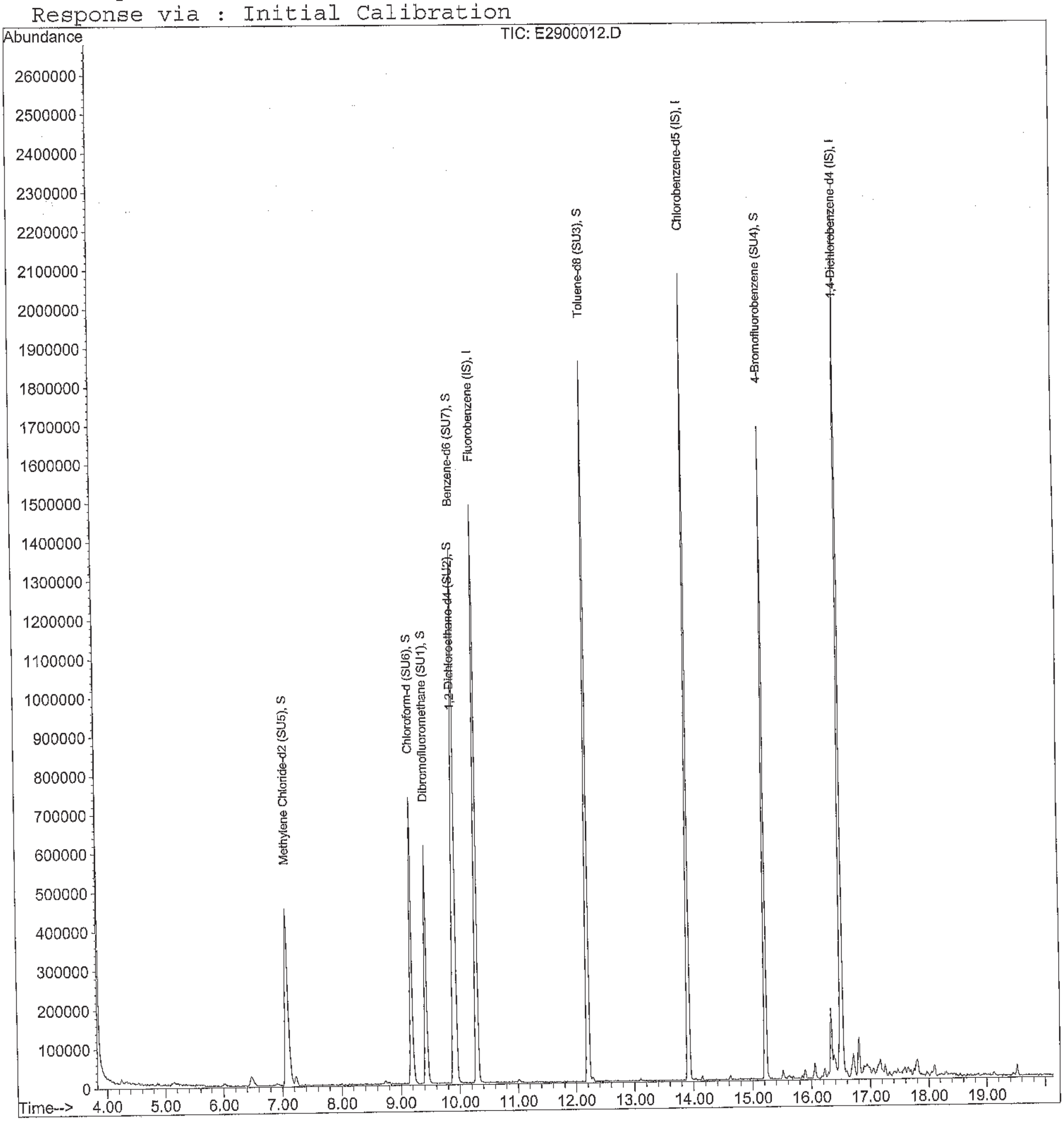
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900012.D   Vial: 3
Acq On : 29 May 2014 1:59 pm   Operator: DN
Sample : 3E42901-11   Inst : GC/MS Ins
Misc : 100cc SVL-572-SA5C-SV-6.8-7.8   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 14:26 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900013.D   Vial: 4
Acq On : 29 May 2014 2:28 pm   Operator: DN
Sample : 3E42901-12   Inst : GC/MS Ins
Misc : 100cc FB-052914   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 15:12 19114   Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1606122	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1324344	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	689225	12.50 ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	457486	11.42 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 91.36%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	457628	12.02 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 96.16%	
39) Toluene-d8 (SU3)	12.21	98	1432099	11.59 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 92.72%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	721134	13.31 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 106.48%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
4) Chloromethane	4.41	50	1924	-0.51 ~~ug/L~~ # SM	41
6) Bromomethane	5.16	96	1652	-0.84 ~~ug/L~~	95
7) Chloroethane	5.26	64	637	1.16 ~~ug/L~~ #	32
11) Acetone	6.47	58	8255	8.62 ~~ug/L~~ NT	95
12) (IPA) Leak Check Compound	6.47	45	50191	260.06 ~~ug/L~~ # SM	89
14) Methylene Chloride	7.09	84	6814	1.54 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.99	59	263	0.96 ~~ug/L~~ #	77
24) Chloroform	9.23	83	784	0.09 ~~ug/L~~ #	18
29) 1,1-Dichloropropene	9.92	75	262	0.04 ~~ug/L~~ #	1
31) Benzene	9.94	78	10520	0.70 ~~ug/L~~ # NSM	79
32) 1,2-Dichloroethane	9.93	62	7181	1.34 ~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7231	2.74 ~~ug/L~~ #	100
41) Toluene	12.28	91	2346	0.13 ~~ug/L~~ #	53
46) 2-Hexanone	12.97	43	1710	0.59 ~~ug/L~~ # NT	37
51) Ethylbenzene	14.14	91	2242	0.11 ~~ug/L~~	93
52) m,p-Xylenes	14.14	106	577	0.08 ug/L # 0.0016	[illegible]1
54) Styrene	14.62	104	2002	-0.68 ~~ug/L~~ # NSM	60
56) Isopropylbenzene	15.22	105	753	0.04 ~~ug/L~~ #	1
62) n-Propylbenzene	15.23	91	1379	0.05 ~~ug/L~~ #	56
66) tert-Butylbenzene	16.05	119	261	0.02 ~~ug/L~~ #	24
67) 1,2,4-Trimethylbenzene	16.06	105	816	0.05 ~~ug/L~~ #	33
68) sec-Butylbenzene	16.33	105	2560	0.11 ~~ug/L~~ #	62

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052914L3\E2900013.D Vial: 4
Acq On : 29 May 2014 2:28 pm Operator: DN
Sample : 3E42901-12 Inst : GC/MS Ins
Misc : 100cc FB-052914 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 15:12 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	p-Isopropyltoluene	16.38	119	1400	0.07 ~~ug/L~~ # CN	34
77)	Naphthalene	19.45	128	7084	0.52 ~~ug/L~~	100

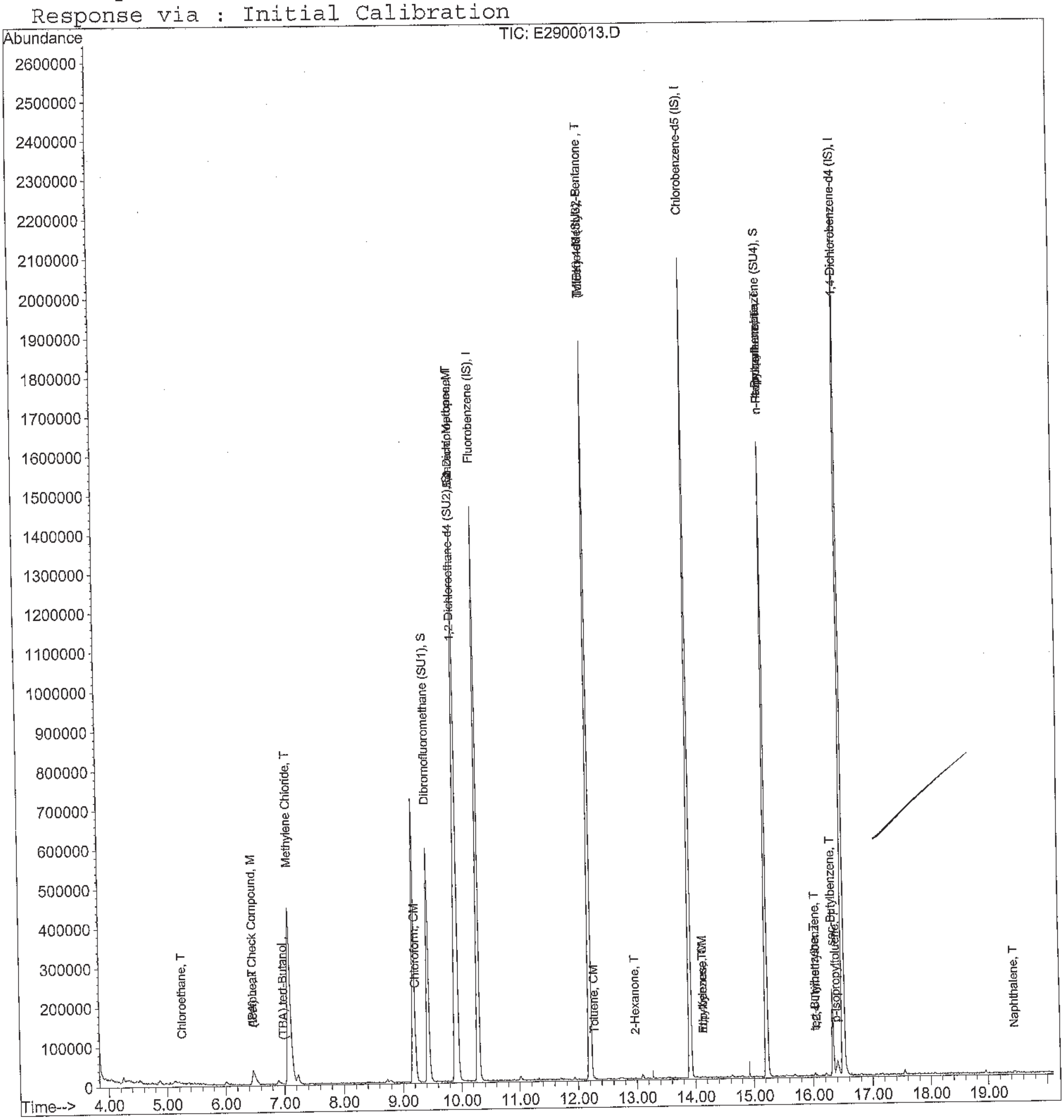
Quantitation Report

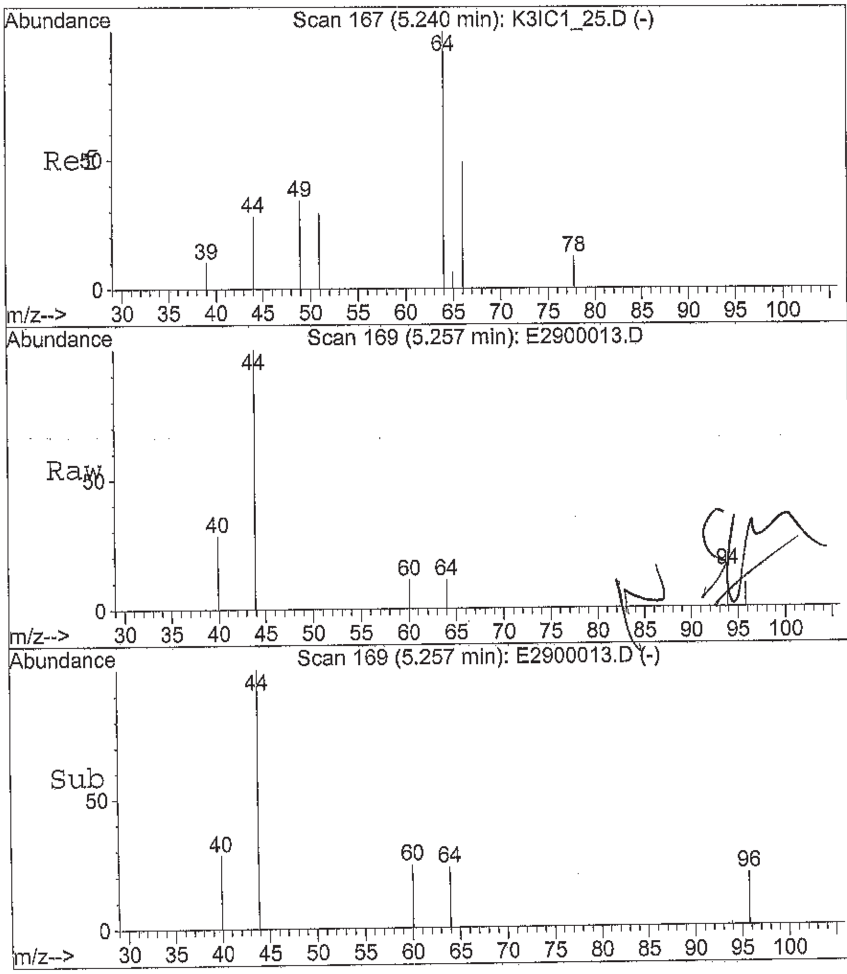
Data File : C:\HPCHEM\1\DATA\052914L3\E2900013.D
Acq On : 29 May 2014 2:28 pm
Sample : 3E42901-12
Misc : 100cc FB-052914
MS Integration Params: rteint.p
Quant Time: May 29 15:12 19114

Vial: 4
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

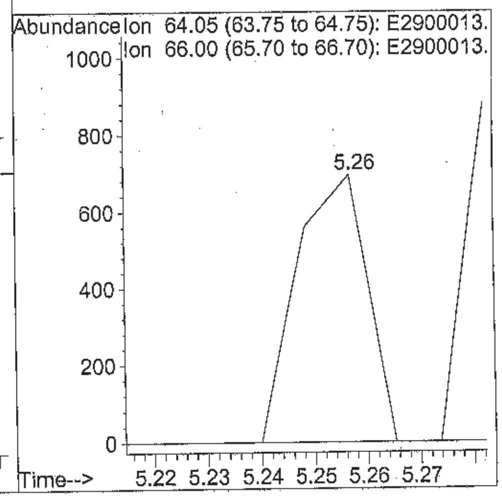
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

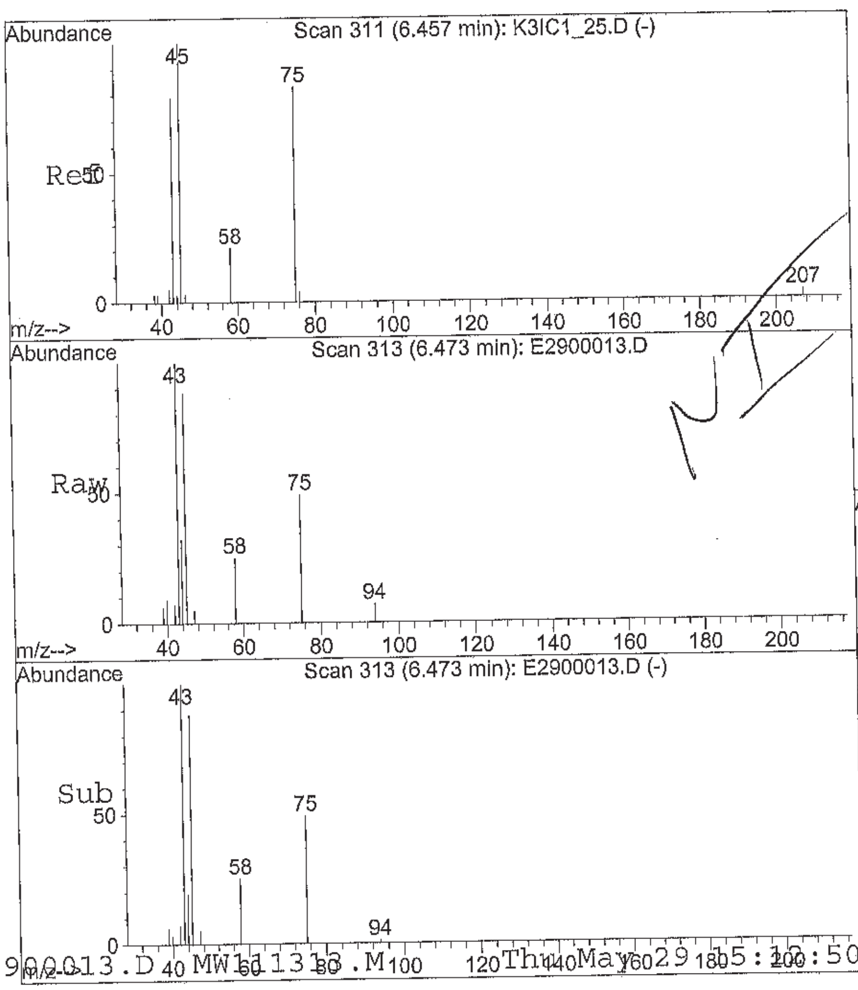




#7
Chloroethane
Concen: 1.16 ug/L
RT: 5.26 min Scan# 169
Delta R.T. 0.02 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

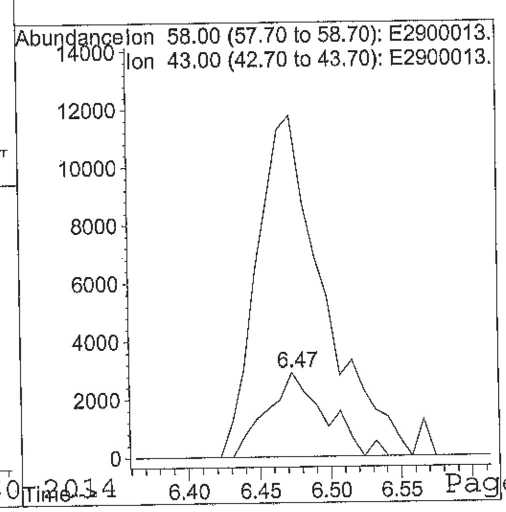
Tgt Ion: 64	Resp:		637
Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

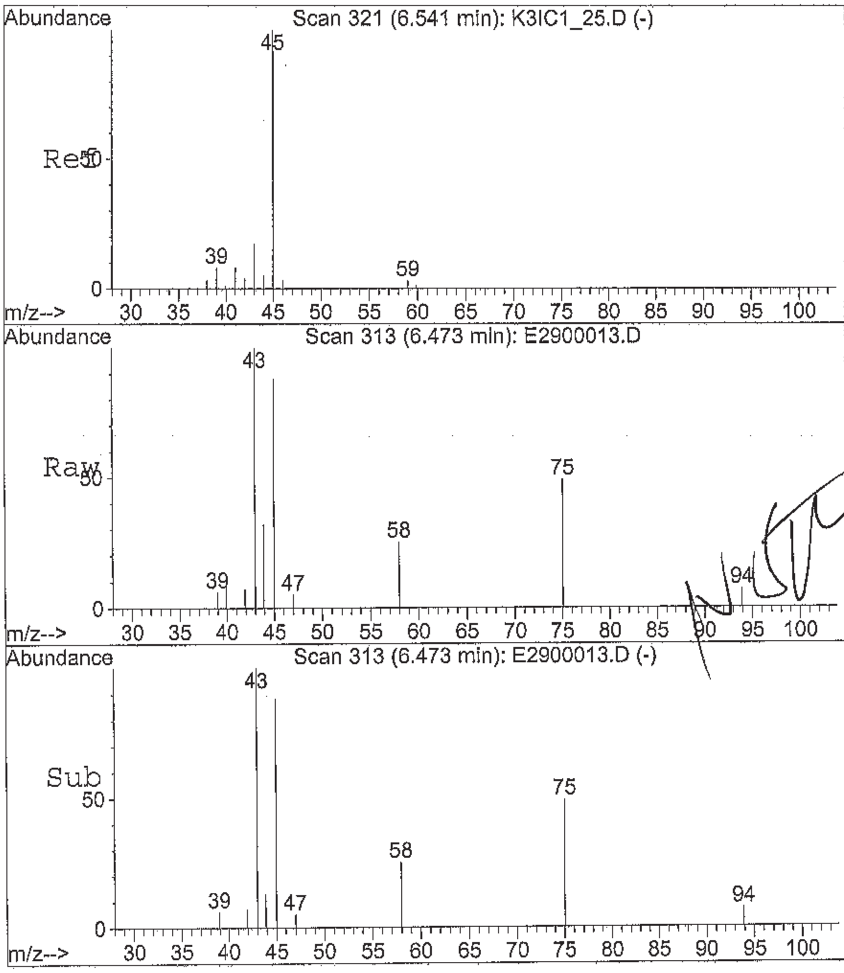




#11
Acetone
Concen: 8.62 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.02 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 58	Resp:		8255
Ion	Ratio	Lower	Upper
58	100		
43	463.8	360.9	541.3

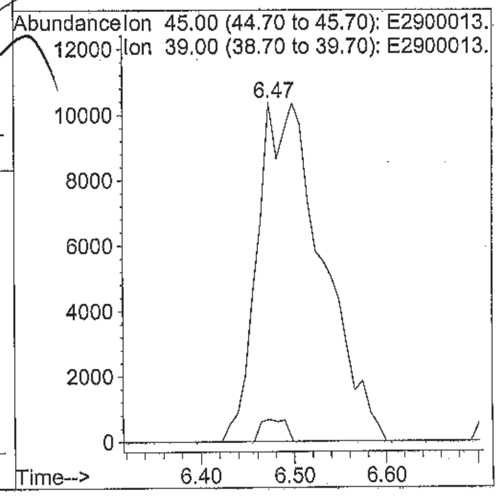


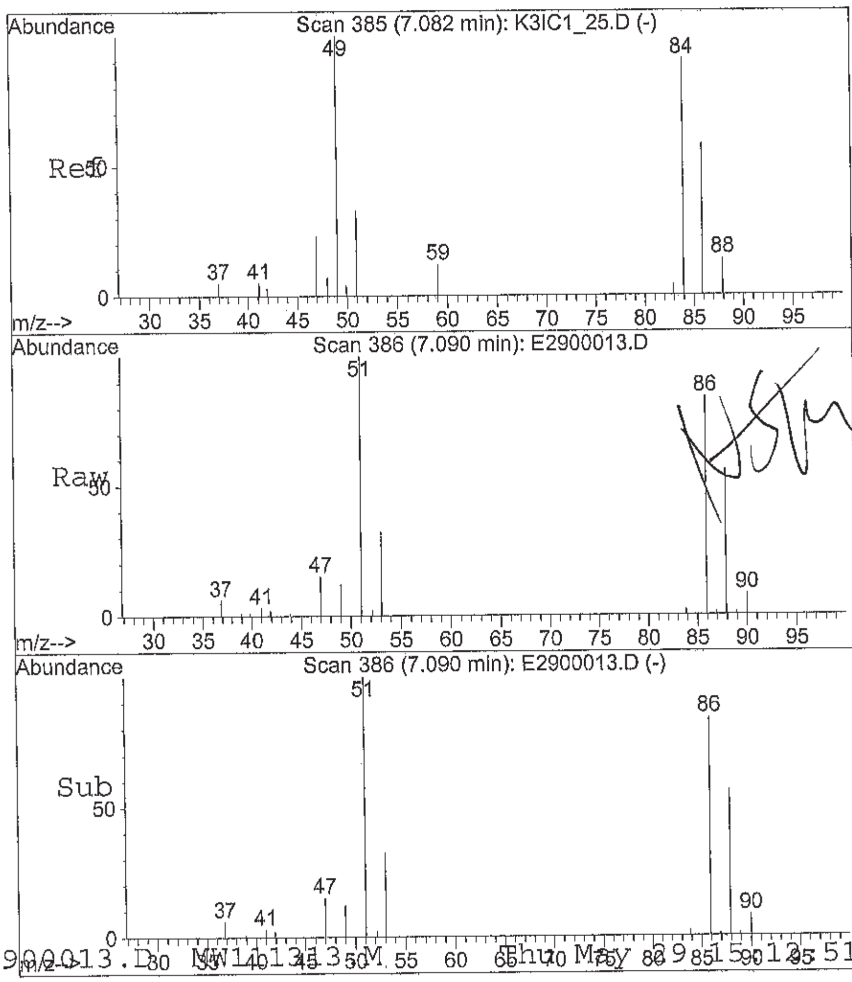


#12
(IPA) Leak Check Compound
Concen: 260.06 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 45 Resp: 50191

Ion	Ratio	Lower	Upper
45	100		
39	2.5	4.9	7.3#

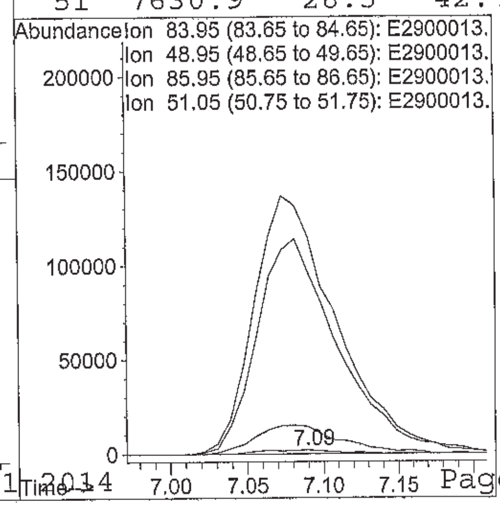


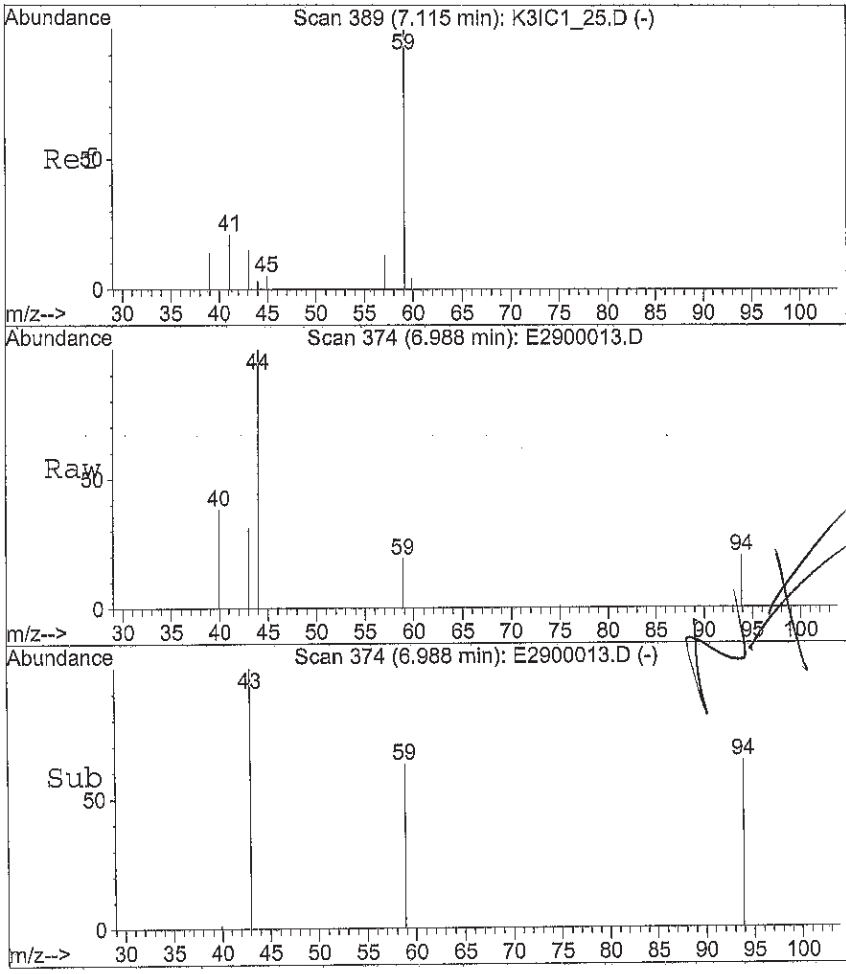


#14
Methylene Chloride
Concen: 1.54 ug/L
RT: 7.09 min Scan# 386
Delta R.T. 0.01 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 84 Resp: 6814

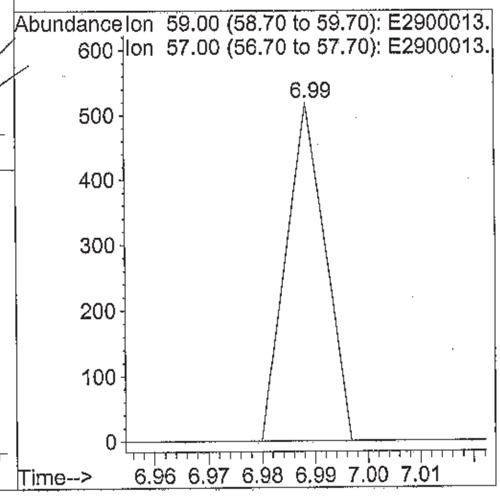
Ion	Ratio	Lower	Upper
84	100		
49	862.7	89.8	134.6#
86	6244.3	51.1	76.7#
51	7630.9	28.5	42.7#

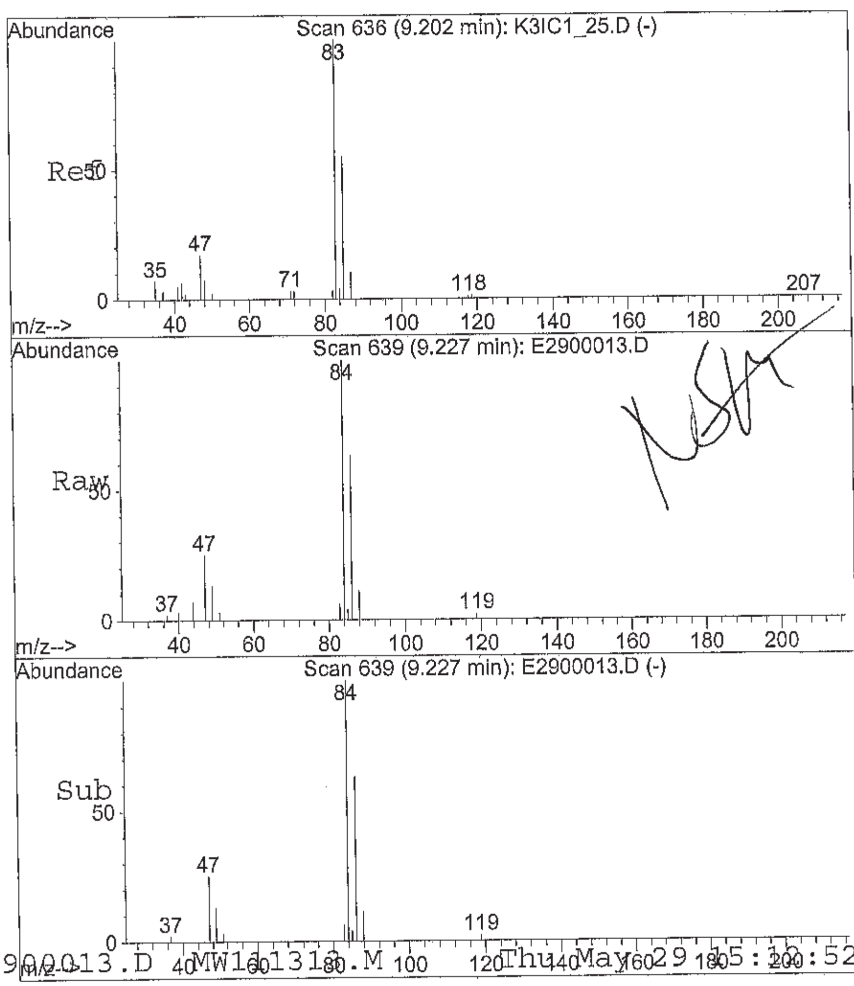




#15
(TBA) tert-Butanol
Concen: 0.96 ug/L
RT: 6.99 min Scan# 374
Delta R.T. -0.13 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

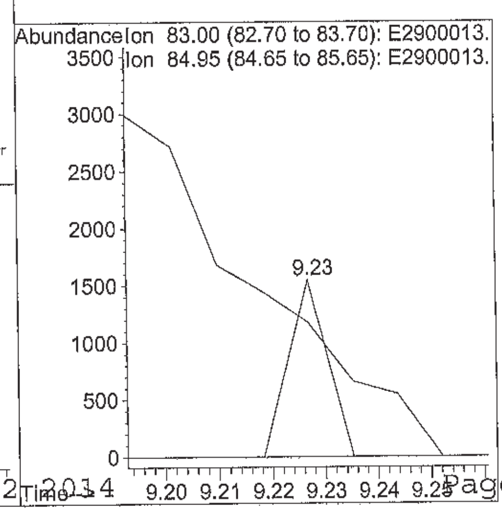
Tgt Ion: 59	Resp:		263
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

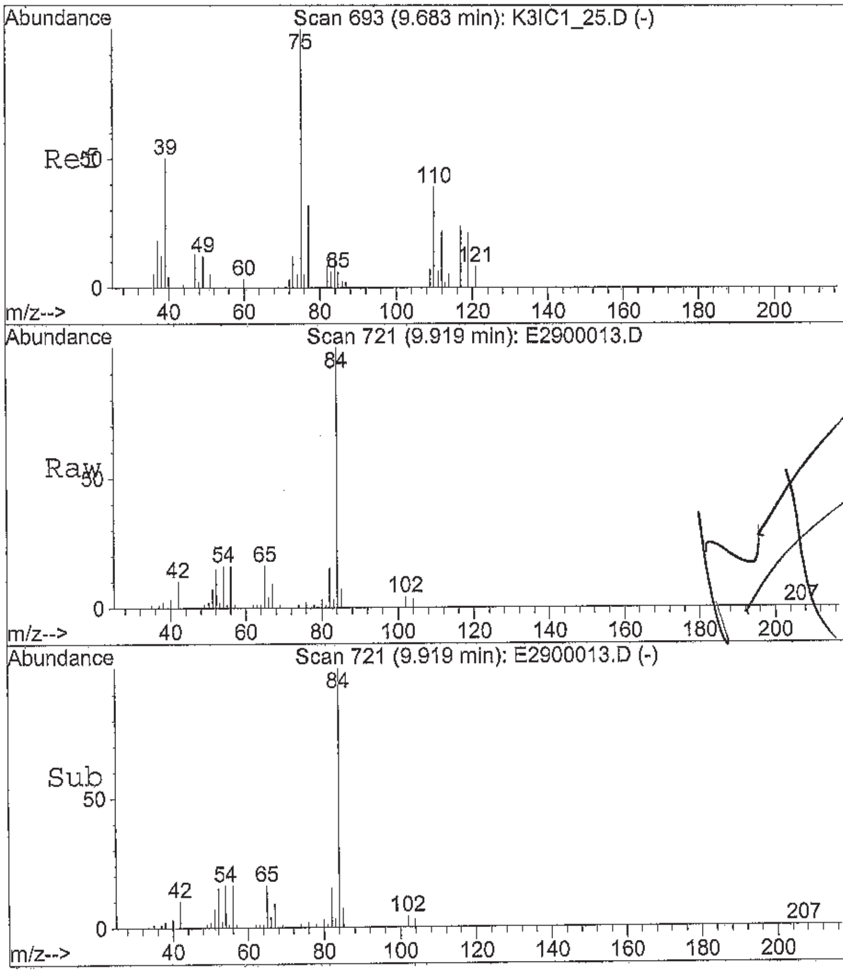




#24
Chloroform
Concen: 0.09 ug/L
RT: 9.23 min Scan# 639
Delta R.T. 0.03 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 83	Resp:		784
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

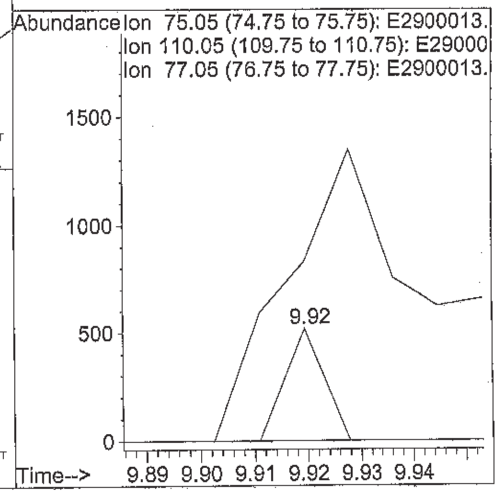


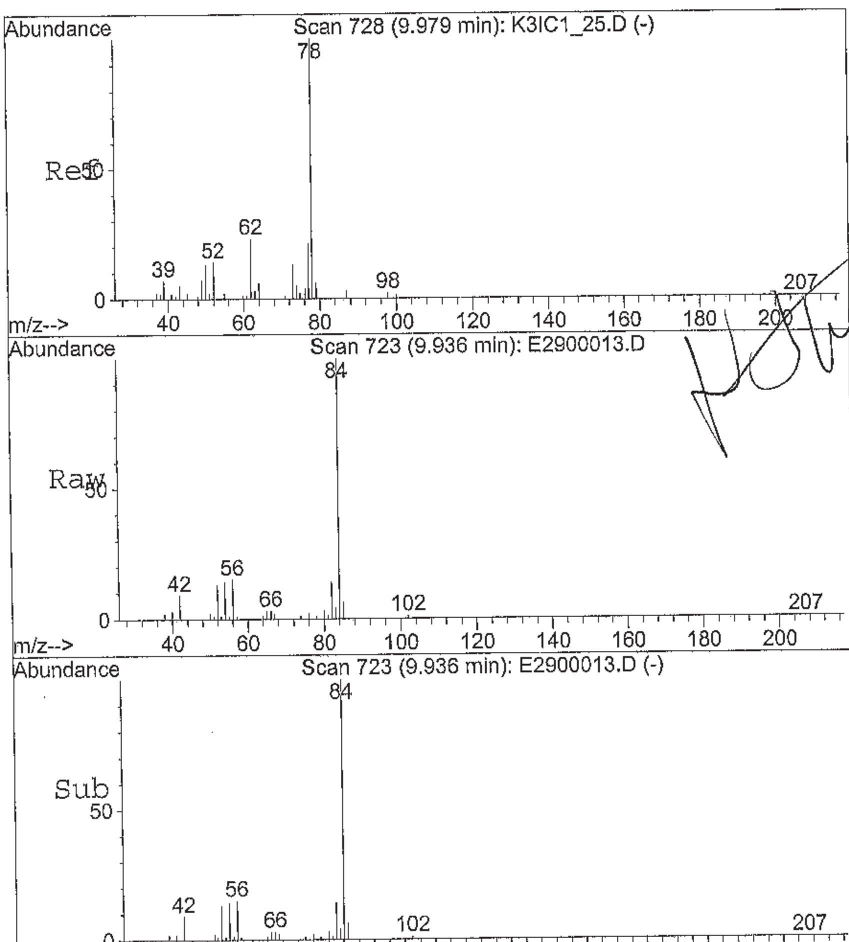


#29
1,1-Dichloropropene
Concen: 0.04 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.24 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 75 Resp: 262

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	801.5	25.0	37.4#

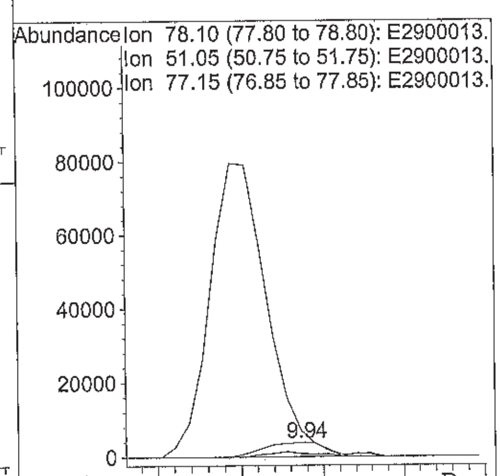


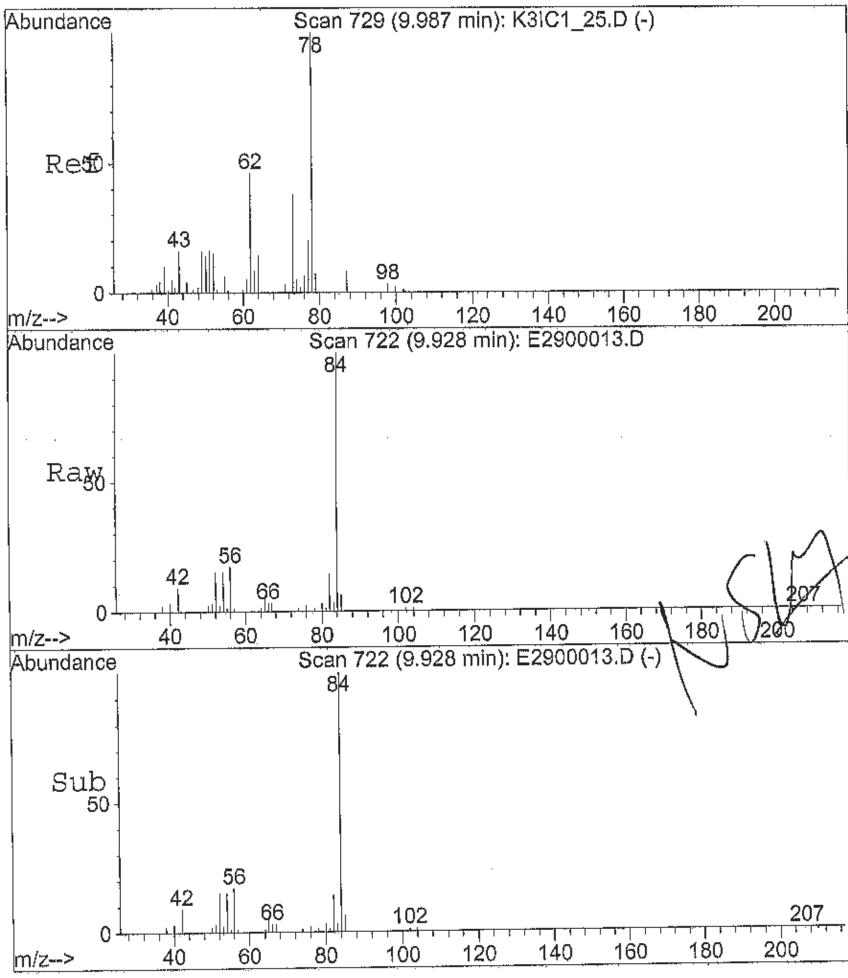


#31
Benzene
Concen: 0.70 ug/L
RT: 9.94 min Scan# 723
Delta R.T. -0.04 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 78 Resp: 10520

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	23.1	16.6	24.8

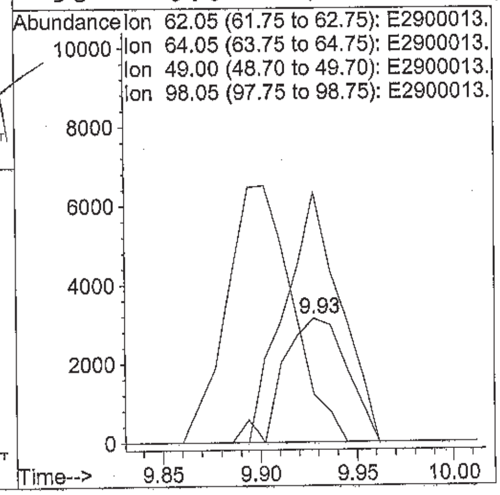


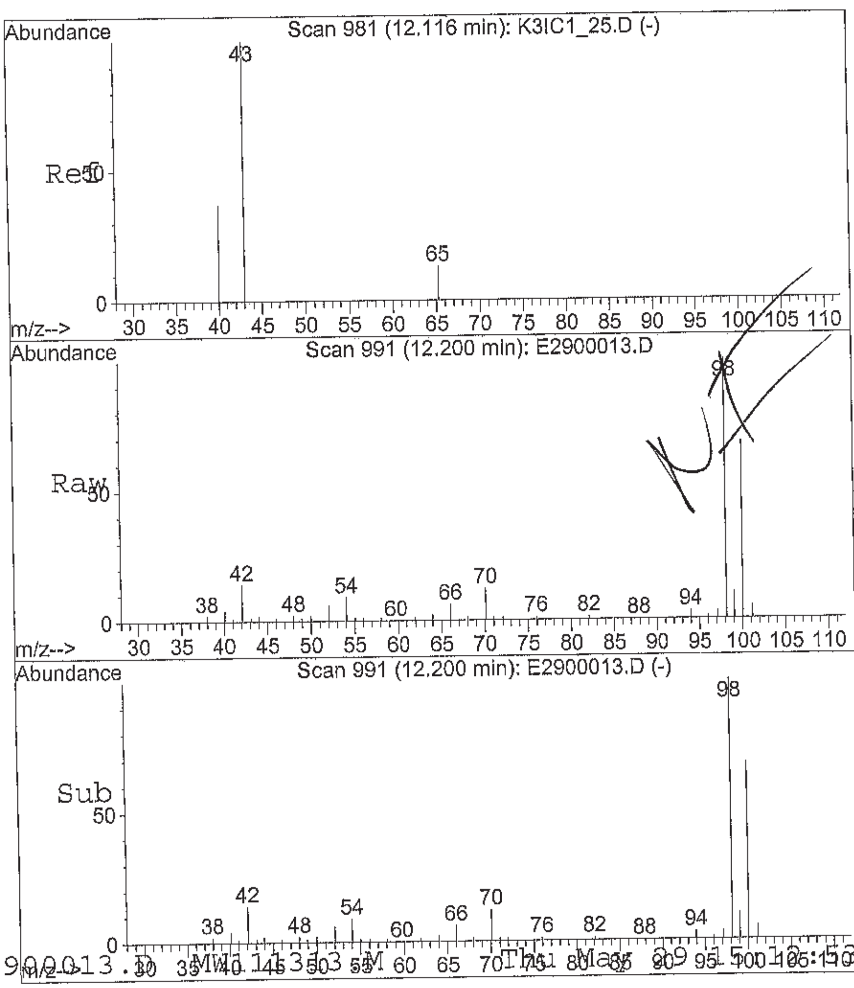


#32
1,2-Dichloroethane
Concen: 1.34 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 62 Resp: 7181

Ion	Ratio	Lower	Upper
62	100		
64	176.9	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

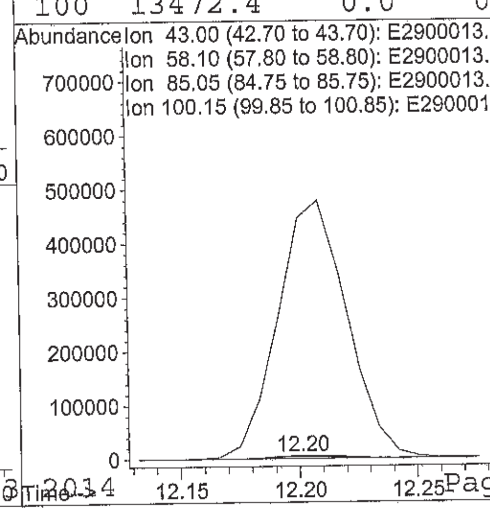


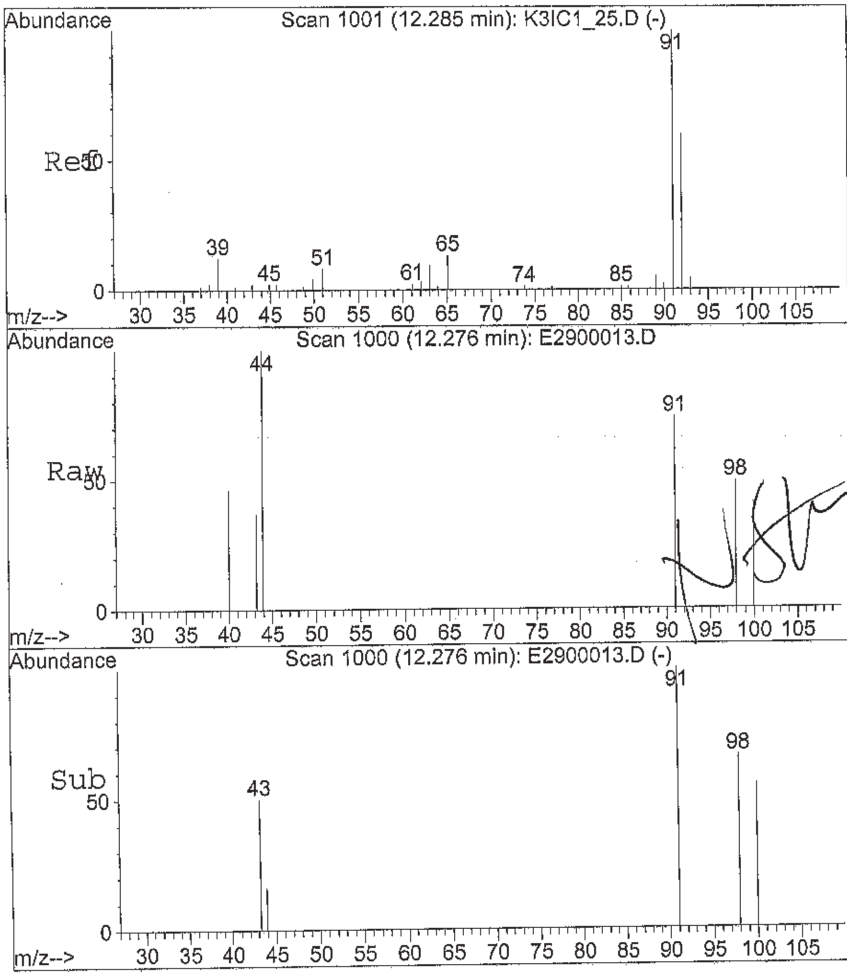


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.74 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 43 Resp: 7231

Ion	Ratio	Lower	Upper
43	100		
58	150.7	0.0	0.0#
85	0.0	0.0	0.0
100	13472.4	0.0	0.0#

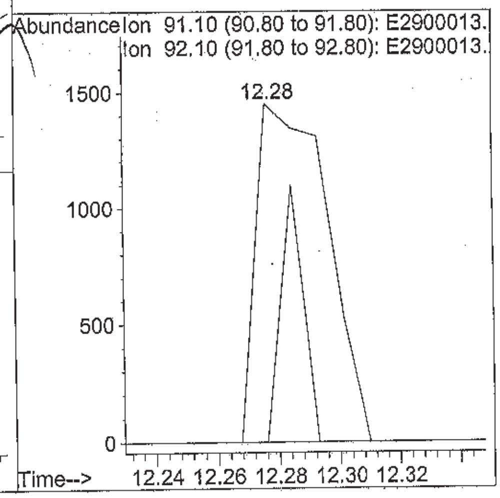


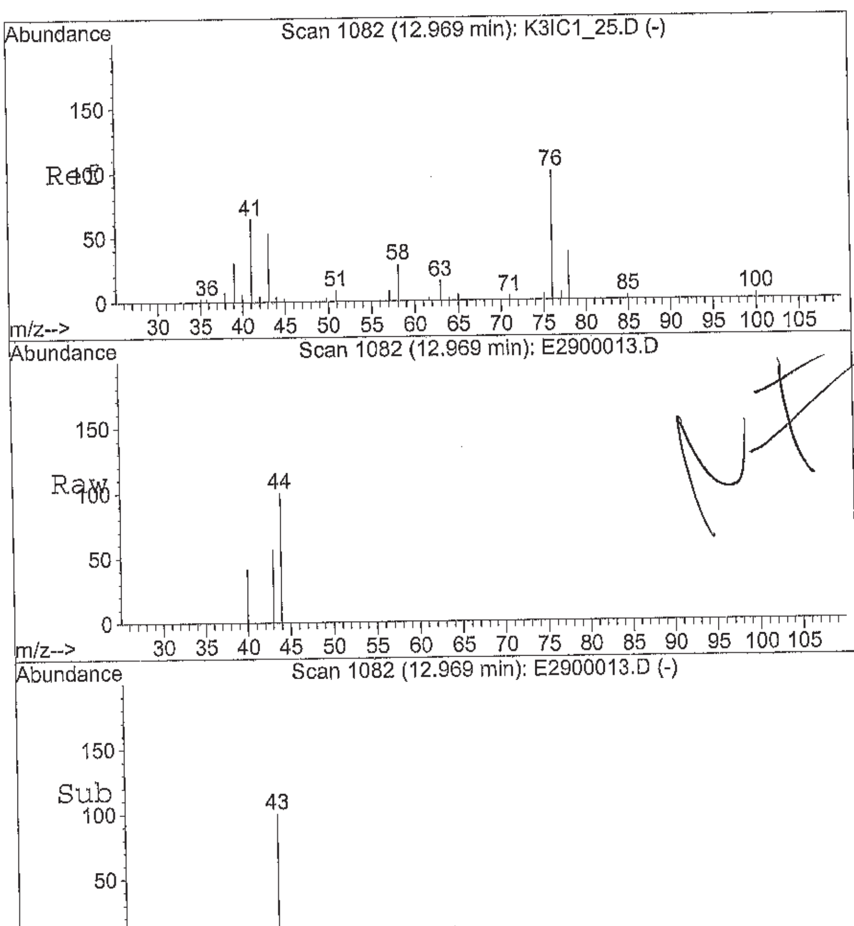


#41
Toluene
Concen: 0.13 ug/L
RT: 12.28 min Scan# 1000
Delta R.T. -0.01 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 91 Resp: 2346

Ion	Ratio	Lower	Upper
91	100		
92	23.7	47.4	71.0#

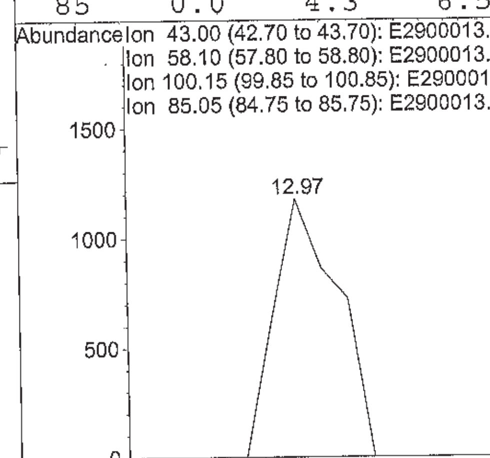


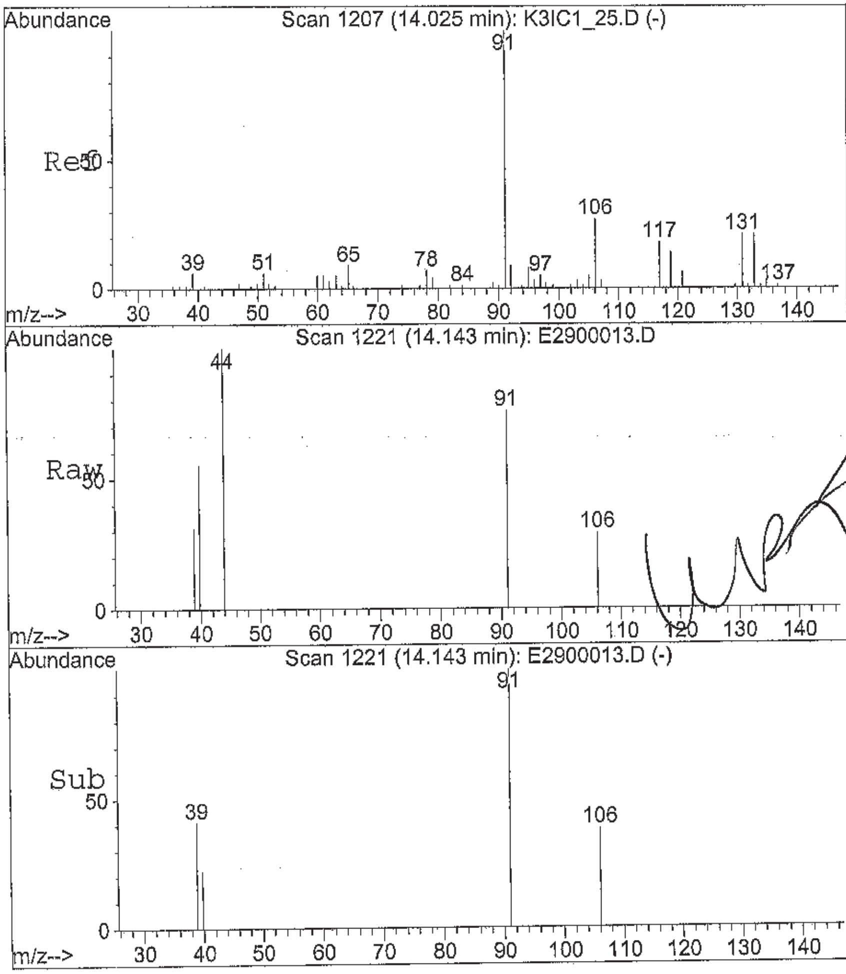


#46
2-Hexanone
Concen: 0.59 ug/L
RT: 12.97 min Scan# 1082
Delta R.T. -0.00 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 43 Resp: 1710

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

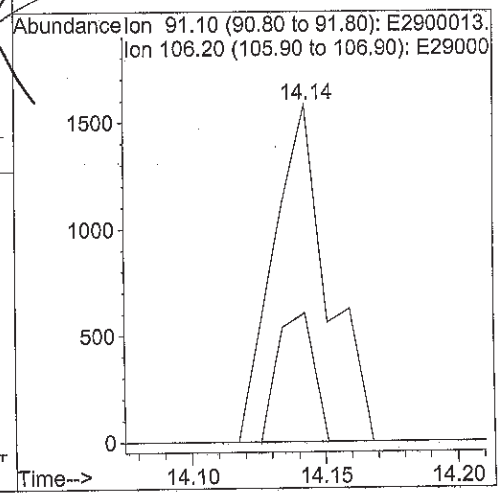


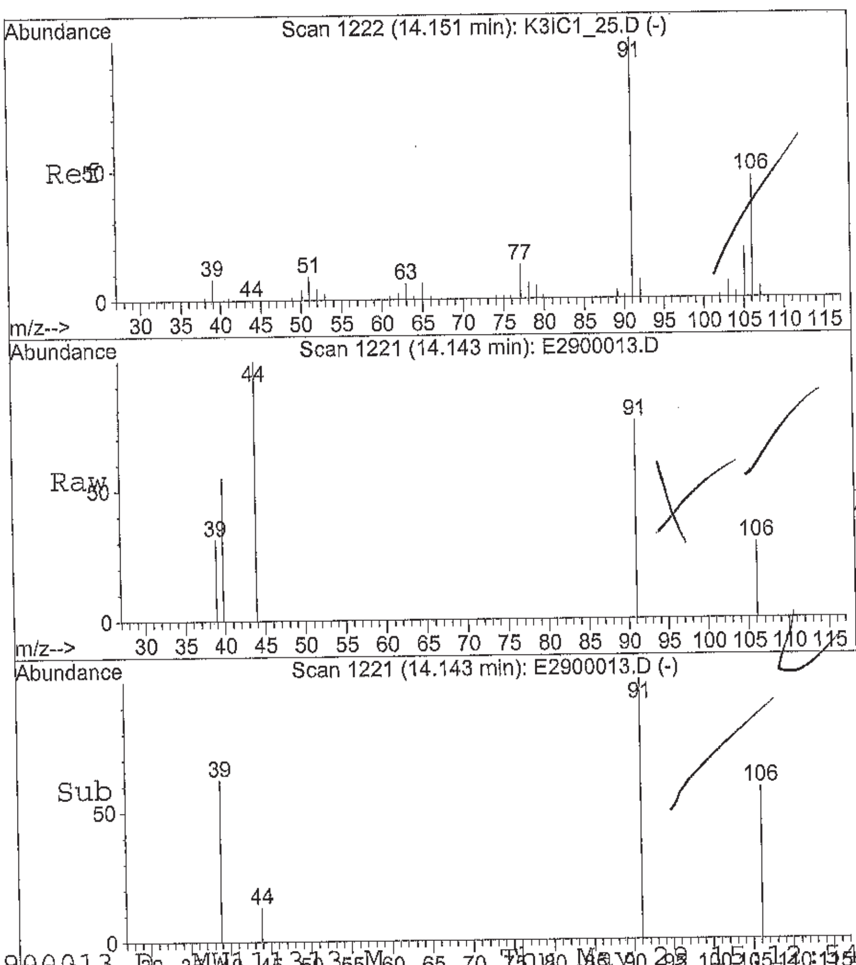


#51
Ethylbenzene
Concen: 0.11 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. 0.12 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 91 Resp: 2242

Ion	Ratio	Lower	Upper
91	100		
106	25.7	23.5	35.3

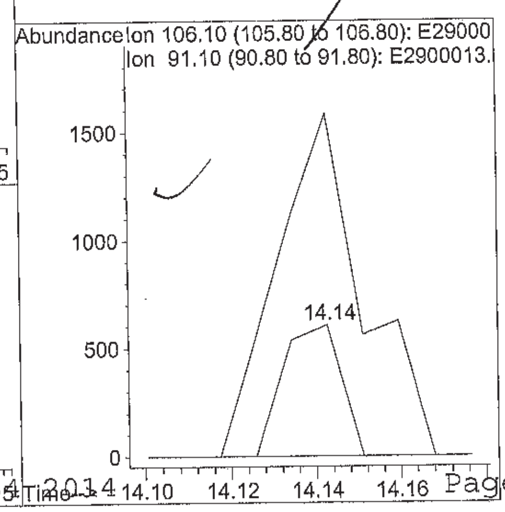


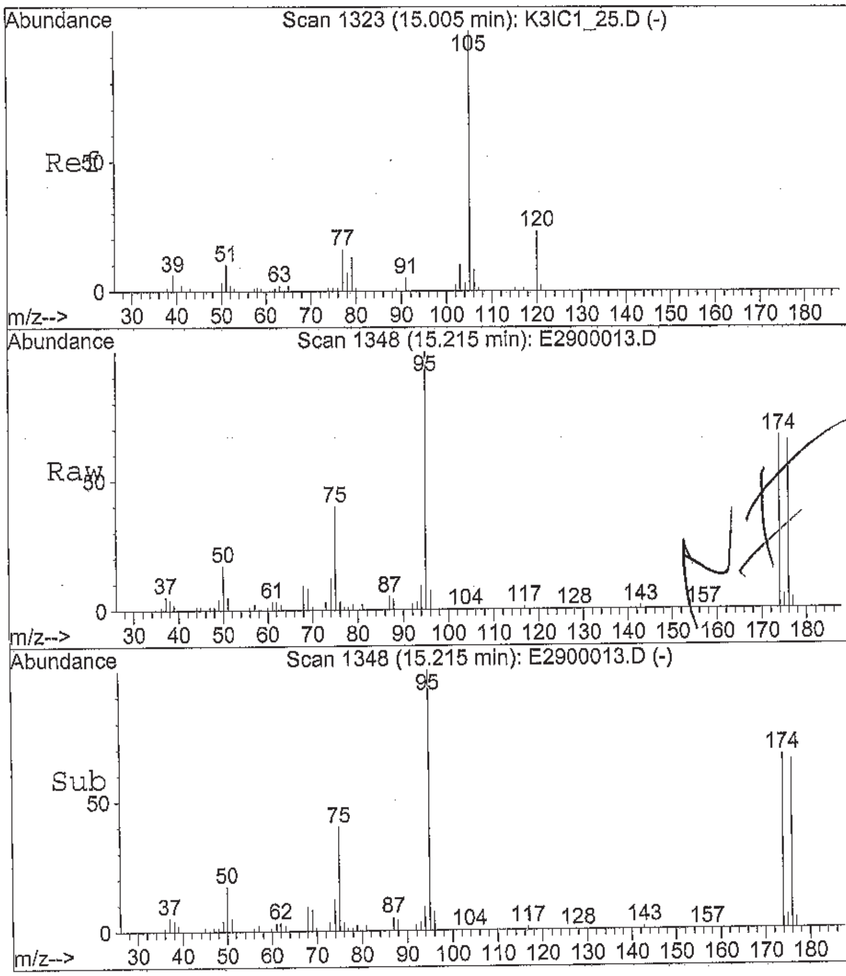


#52
m,p-Xylenes
Concen: 0.08 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion:106 Resp: 577

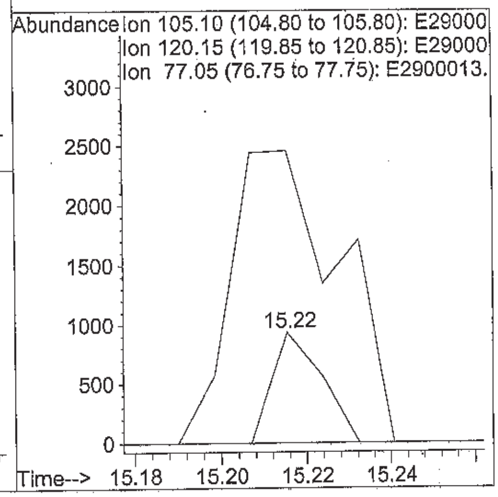
Ion	Ratio	Lower	Upper
106	100		
91	388.6	177.1	265.7#

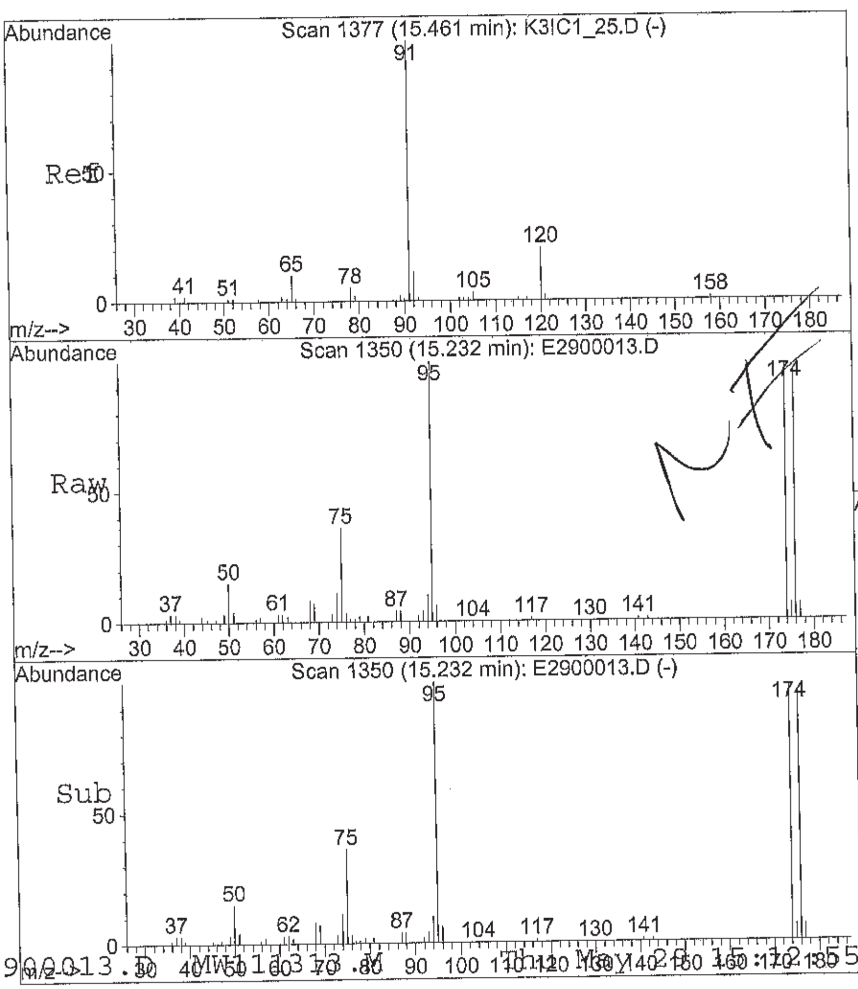




#56
Isopropylbenzene
Concen: 0.04 ug/L
RT: 15.22 min Scan# 1348
Delta R.T. 0.21 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

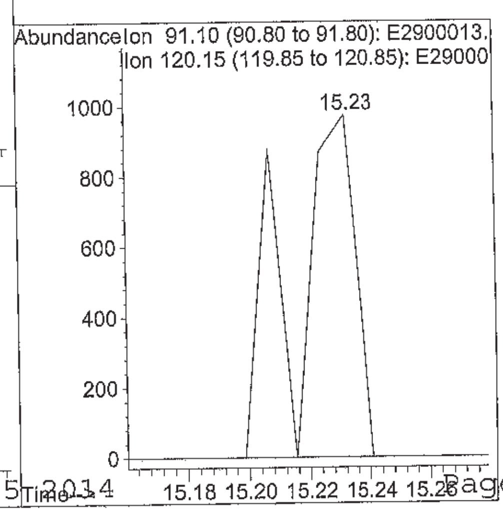
Tgt Ion:105	Resp:		753
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	573.3	13.1	19.7#

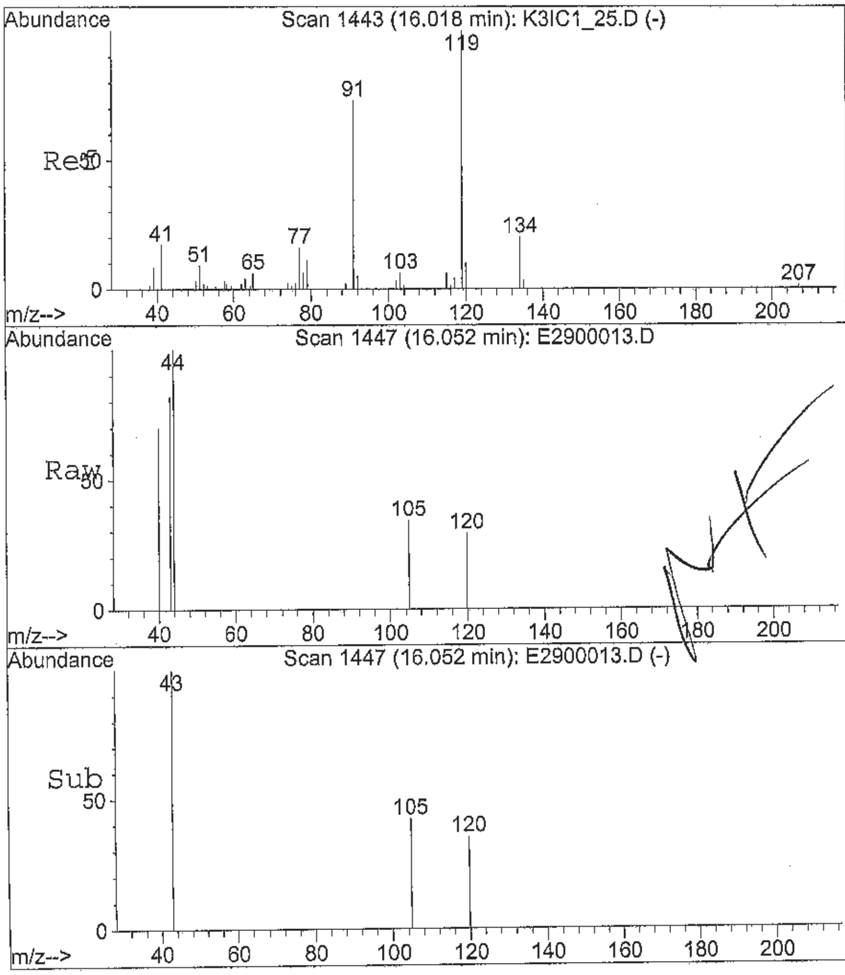




#62
n-Propylbenzene
Concen: 0.05 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. -0.23 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion: 91	Resp:		1379
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

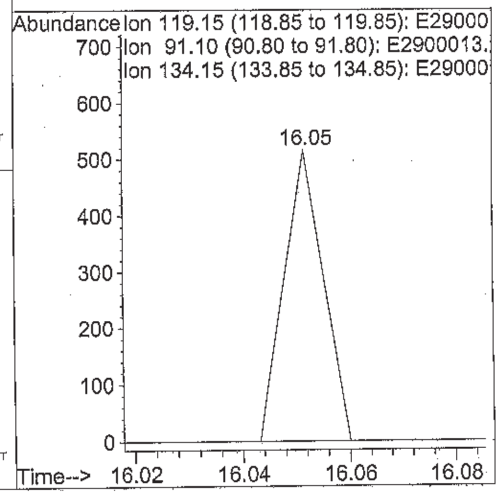


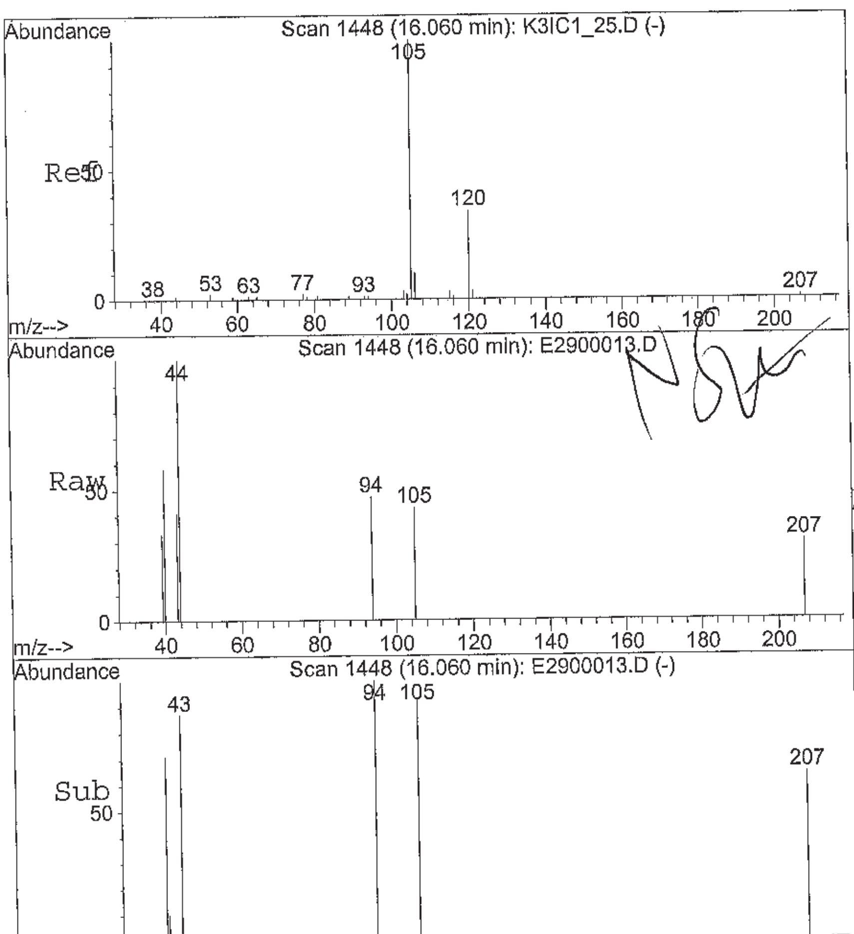


#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. 0.03 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion:119 Resp: 261

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

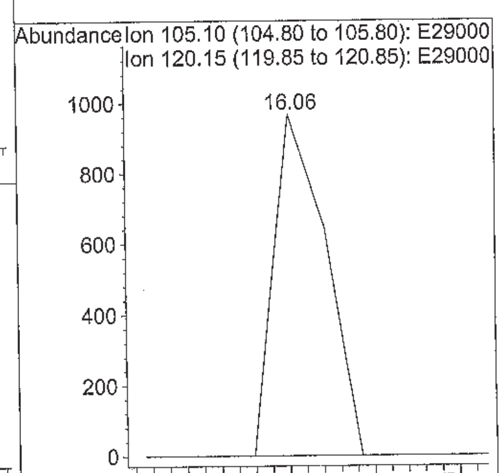


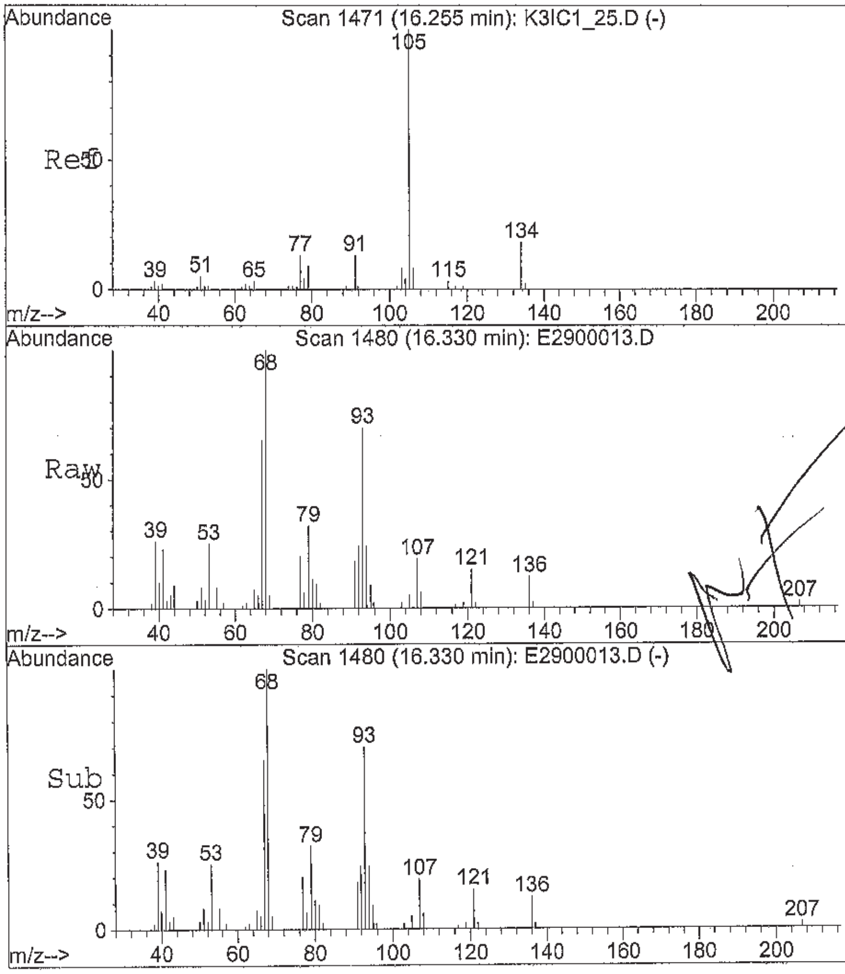


#67
1,2,4-Trimethylbenzene
Concen: 0.05 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion:105 Resp: 816

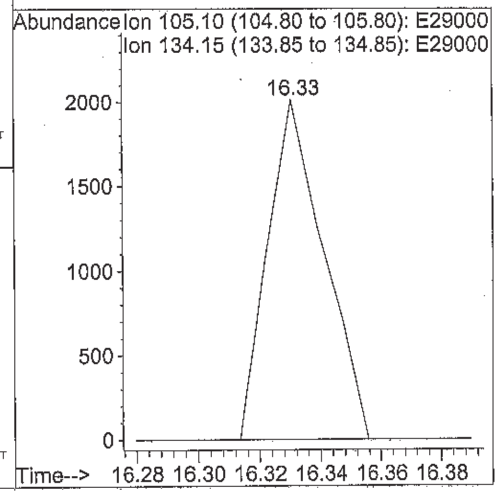
Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

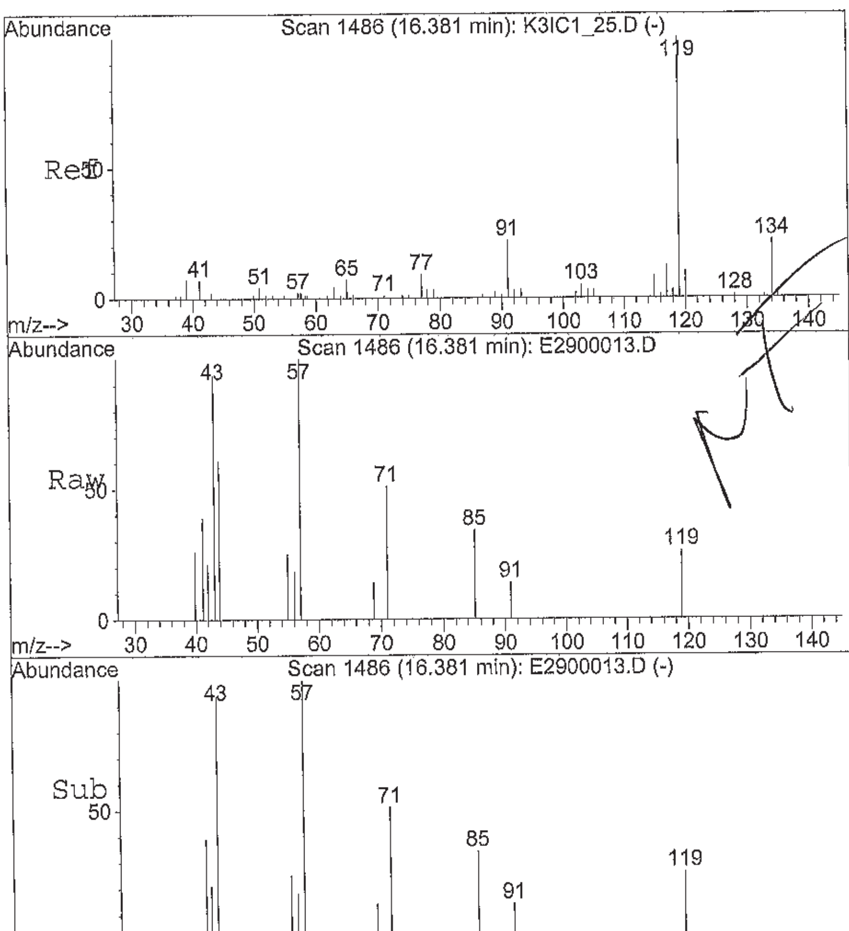




#68
sec-Butylbenzene
Concen: 0.11 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

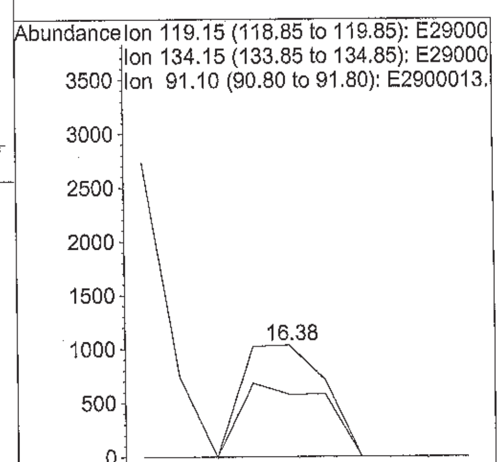
Tgt Ion:105	Resp:		2560
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

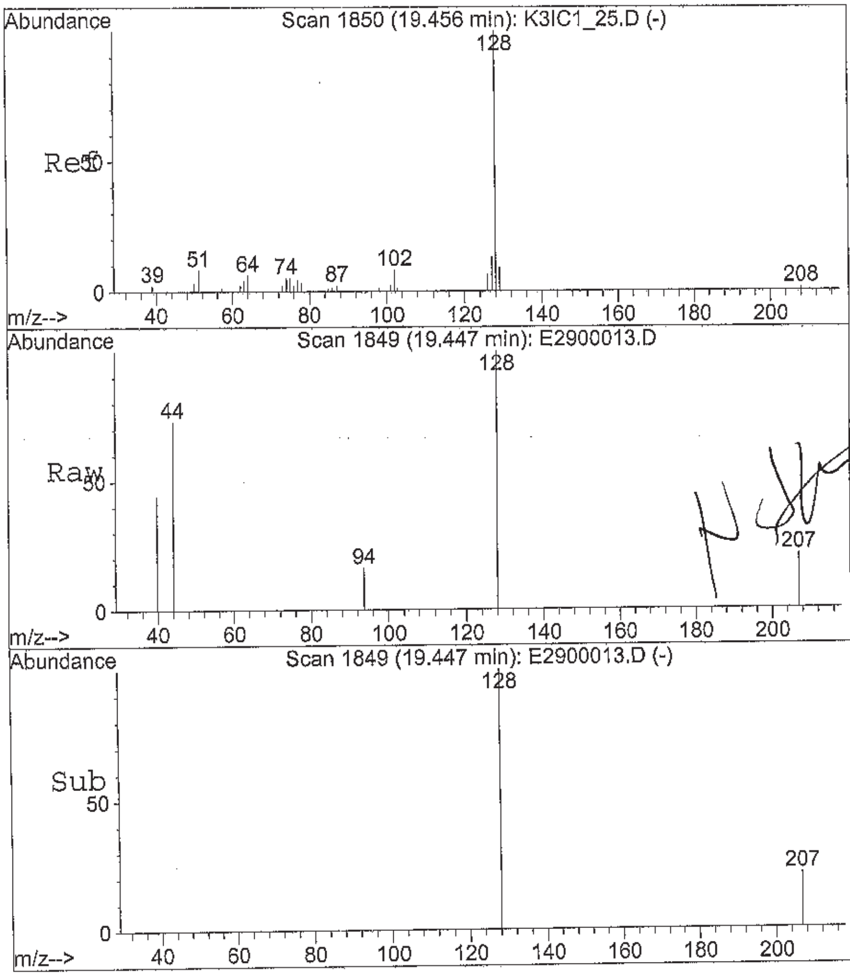




#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

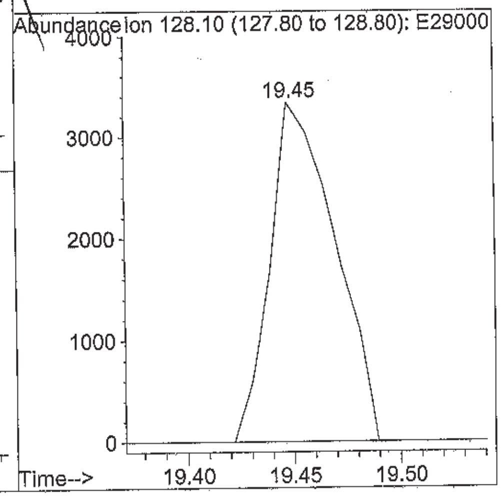
Tgt Ion:119	Resp:		1400
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	66.4	19.6	29.4#





#77
Naphthalene
Concen: 0.52 ug/L
RT: 19.45 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E2900013.D
Acq: 29 May 2014 2:28 pm

Tgt Ion:128 Resp: 7084



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E2900013.D Vial: 4
Acq On : 29 May 2014 2:28 pm Operator: DN
Sample : 3E42901-12 Inst : GC/MS Ins
Misc : 100cc FB-052914 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 15:13 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1606122	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1324344	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	689225	12.50	ug/L	0.00

System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	457486	10.95	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	87.60%		
3) Chloroform-d (SU6)	9.18	84	744541	12.42	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	99.36%		
4) Methylene Chloride-d2 (SU5	7.08	86	425140	12.14	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	97.12%		
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	457628	16.03	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	128.24%#		
6) Benzene-d6 (SU7)	9.93	84	1477135	11.72	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	93.76%		
8) Toluene-d8 (SU3)	12.21	98	1432099	11.40	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.20%		
9) 4-Bromofluorobenzene (SU4)	15.22	95	721134	13.90	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.20%		

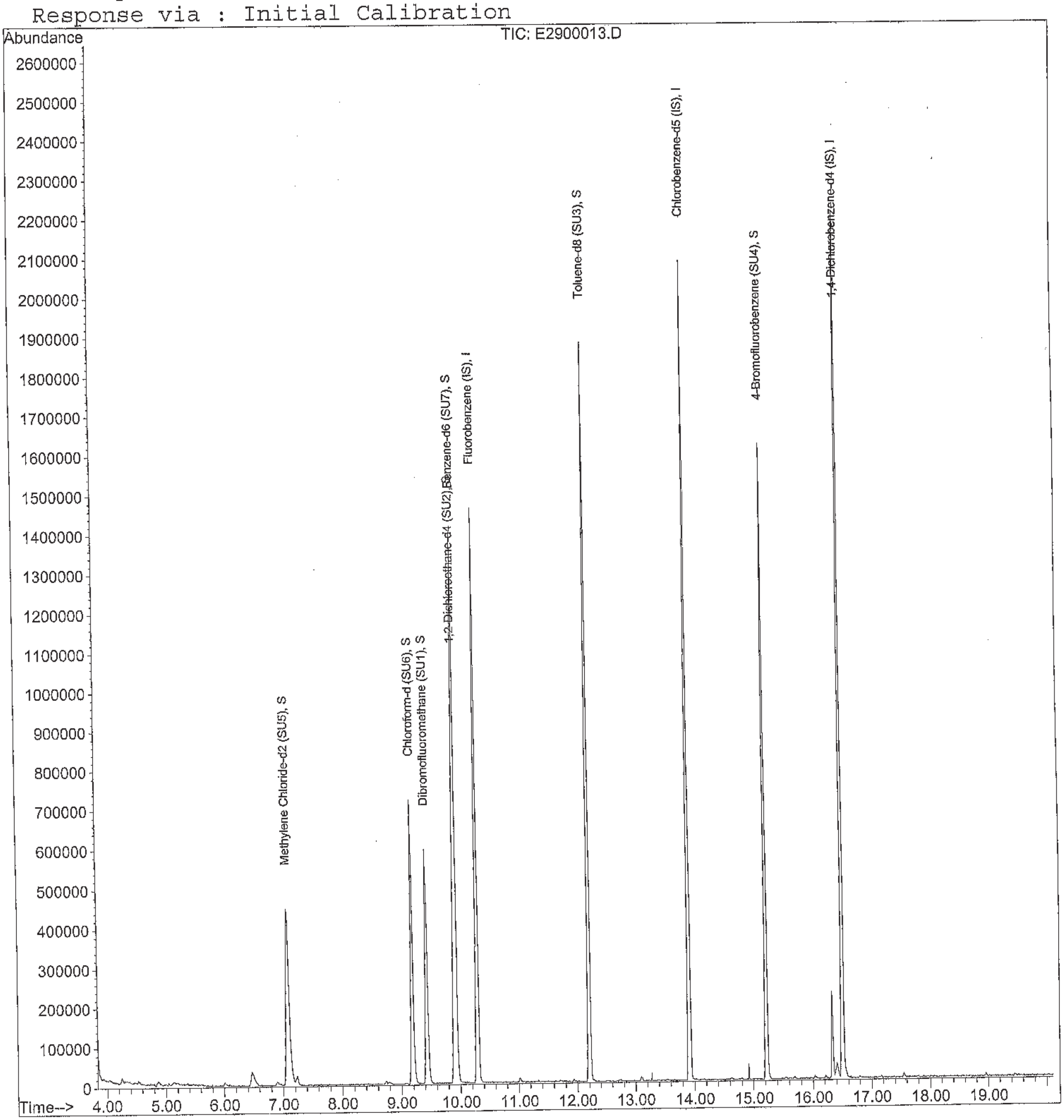
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E2900013.D   Vial: 4
Acq On : 29 May 2014 2:28 pm   Operator: DN
Sample : 3E42901-12   Inst : GC/MS Ins
Misc : 100cc FB-052914   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 29 15:13 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052914L3\E29LCS02.D   Vial: 9
Acq On : 29 May 2014 2:57 pm   Operator: DN
Sample : 34E2901-BSD1   Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS   Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 29 15:32 19114   Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.30	96	1677230m	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1202455m	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.52	152	584740	12.50	ug/L	0.00

System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.44	113	469231	11.22	ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery	=	89.76%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	448147	11.27	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	90.16%	
39) Toluene-d8 (SU3)	12.22	98	1412629	12.60	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	100.80%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	623724	12.68	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	101.44%	

Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	55672	1.35	ug/L	97
4) Chloromethane	4.48	50	39411	1.28	ug/L	88
5) Vinyl Chloride	4.60	62	36351	1.23	ug/L	80
6) Bromomethane	5.16	96	27716	1.32	ug/L	96
7) Chloroethane	5.29	64	15857	1.22	ug/L	78
8) (F11) Trichlorofluorometha	5.68	101	66747	1.45	ug/L	90
9) (F113) 1,1,2-Trichloro-tri	6.38	151	40102	1.22	ug/L	94
10) 1,1-Dichloroethene	6.44	96	44806	1.13	ug/L	94
11) Acetone	6.47	58	19639	3.06	ug/L	97
12) (IPA) Leak Check Compound	6.54	45	83783	41.57	ug/L #	87
13) Carbon disulfide	6.86	76	185521	1.33	ug/L	99
14) Methylene Chloride	7.12	84	59448	1.29	ug/L #	63
15) (TBA) tert-Butanol	7.10	59	2334	0.82	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	89517	0.94	ug/L	98
17) trans-1,2-Dichloroethene	7.49	96	57191	1.27	ug/L	95
18) 1,1-Dichloroethane	8.08	63	79341	1.05	ug/L	98
19) cis-1,2-Dichloroethene	8.84	96	64273	1.23	ug/L	88
21) (MEK) 2-Butanone	8.81	72	4205	0.89	ug/L #	66
22) (DIPE) Diisopropyl Ether	8.02	45	173550	1.32	ug/L	97
23) Bromochloromethane	9.18	128	22819	1.02	ug/L #	85
24) Chloroform	9.23	83	99813	1.14	ug/L	98
25) (ETBE) 2-ethoxy 2-methyl p	8.50	59	113927	0.94	ug/L #	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052914L3\E29LCS02.D Vial: 9
Acq On : 29 May 2014 2:57 pm Operator: DN
Sample : 34E2901-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 29 15:32 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
26)	1,1,1-Trichloroethane	9.51	97	64429	0.93 ug/L		97
27)	(TAME) tert-Amyl methyl et	10.01	73	103175	0.98 ug/L		96
29)	1,1-Dichloropropene	9.70	75	75972	1.17 ug/L		100
30)	Carbon Tetrachloride	13.90	117	66562	1.18 ug/L		99
31)	Benzene	9.99	78	192057	1.22 ug/L	#	93
32)	1,2-Dichloroethane	10.00	62	64418	1.15 ug/L		97
33)	Trichloroethene	10.76	130	64001	1.26 ug/L		96
34)	1,2-Dichloropropane	11.06	63	50008	1.33 ug/L		95
35)	Dibromomethane	11.21	93	37518	1.27 ug/L		97
36)	Bromodichloromethane	11.36	83	63154	1.06 ug/L		98
37)	cis-1,3-Dichloropropene	11.88	75	60069	0.93 ug/L	#	93
40)	(MIBK) 4-Methyl-2-Pentanon	12.12	43	7742	0.32 ug/L	#	100
41)	Toluene	12.29	91	205399	1.25 ug/L		99
42)	trans-1,3-Dichloropropene	12.51	75	43779	0.81 ug/L		84
43)	1,1,2-Trichloroethane	12.76	83	38667	1.31 ug/L		93
44)	Tetrachloroethene	12.95	164	64777	1.12 ug/L		95
45)	1,3-Dichloropropane	12.97	76	69463	1.23 ug/L		97
46)	2-Hexanone	12.98	43	25391	0.97 ug/L		99
47)	Dibromochloromethane	13.26	129	50787	1.20 ug/L		96
48)	1,2-Dibromoethane	13.43	107	50197	1.31 ug/L		100
49)	Chlorobenzene	13.96	112	140913	1.28 ug/L		97
50)	1,1,1,2-Tetrachloroethane	14.03	131	45573	1.16 ug/L		96
51)	Ethylbenzene	14.03	91	235306	1.26 ug/L		98
52)	m,p-Xylenes	14.15	106	178441	2.69 ug/L		91
53)	o-Xylene	14.62	106	89510	1.37 ug/L		92
54)	Styrene	14.63	104	135063	1.42 ug/L		97
55)	Bromoform	14.91	173	27447	1.14 ug/L	#	98
56)	Isopropylbenzene	15.00	105	233133	1.30 ug/L		99
57)	1,2,3-Trichloropropane	15.43	75	57600	1.18 ug/L	#	1
60)	1,1,2,2-Tetrachloroethane	15.34	83	54071	1.28 ug/L		99
61)	Bromobenzene	15.44	156	60756	1.32 ug/L		90
62)	n-Propylbenzene	15.46	91	298005	1.26 ug/L		97
63)	2-Chlorotoluene	15.62	91	185571	1.27 ug/L		99
64)	1,3,5-Trimethylbenzene	15.63	105	179157	1.23 ug/L		98
65)	4-Chlorotoluene	15.73	91	180327	1.34 ug/L		99
66)	tert-Butylbenzene	16.02	119	153304	1.23 ug/L		93
67)	1,2,4-Trimethylbenzene	16.06	105	189335	1.25 ug/L		96

(#) = qualifier out of range (m) = manual integration

```
Data File : C:\HPCHEM\1\DATA\052914L3\E29LCS02.D          Vial: 9
Acq On    : 29 May 2014   2:57 pm                     Operator: DN
Sample    : 34E2901-BSD1                              Inst    : GC/MS Ins
Misc      : 20cc  1.25/2.5/12.5 ug/L LCS              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 29 15:32 19114               Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

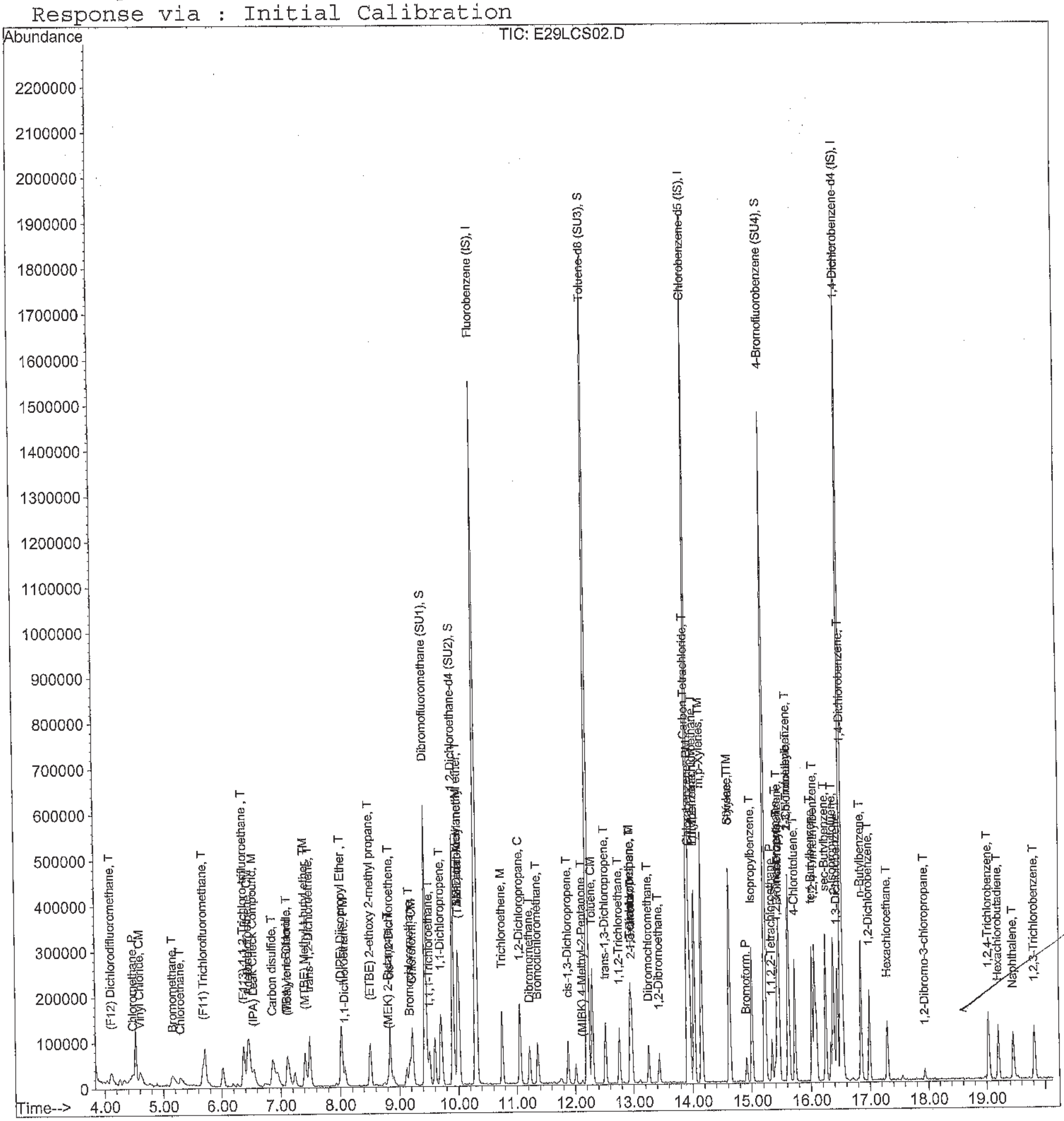
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68)	sec-Butylbenzene	16.26	105	258701	1.32 ug/L	99
69)	p-Isopropyltoluene	16.38	119	198948	1.24 ug/L	95
70)	1,3-Dichlorobenzene	16.45	146	112235	1.30 ug/L	97
71)	1,4-Dichlorobenzene	16.54	146	111187	1.29 ug/L	98
72)	n-Butylbenzene	16.85	91	212110	1.26 ug/L	98
73)	1,2-Dichlorobenzene	16.99	146	97695	1.27 ug/L	99
74)	1,2-Dibromo-3-chloropropan	17.93	75	7084	1.12 ug/L #	76
75)	1,2,4-Trichlorobenzene	19.04	180	64769	1.24 ug/L	99
76)	Hexachlorobutadiene	19.20	225	30609	1.30 ug/L	98
77)	Naphthalene	19.46	128	122813	1.06 ug/L	100
78)	Hexachloroethane	17.30	201	20579	1.22 ug/L	93
79)	1,2,3-Trichlorobenzene	19.82	180	56547	1.14 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052914L3\E29LCS02.D Vial: 9
Acq On : 29 May 2014 2:57 pm Operator: DN
Sample : 34E2901-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 29 15:32 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



SOIL GAS SURVEY
SANTA SUSANA FIELD LABORATORY:
DEPARTMENT OF ENERGY
5800 WOOLSEY CANYON ROAD
CANOGA PARK, CA

LEVEL IV DATA PACKAGE

MWH AMERICAS
2121 NORTH CALIFORNIA BLVD.
SUITE 600
WALNUT CREEK, CA

EST2754
May 30, 2014

EST
ENVIRONMENTAL SUPPORT TECHNOLOGIES

Table of Contents

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
16510 Aston St., Irvine, CA 92606 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: MWH Americas
Address: 250 North Madison Avenue
Pasadena, Ca
Project Manager: Sarah Von Raesfield

Sampler Name: Ashley Flores
EST Project#: **EST2754**
Custody Seals:
Site Location: SSFL
Phone: ( )
Email:

Turnaround Time:
(Check one)

Normal:

Rush: X

Sample Receipt

Intact: Yes: X No:

On Ice: Yes: No: X N/A

Custody Seals: Yes: No: X

N/A (Received on Site):

Sample Name	Sample Matrix	Container Type	# of Container	Sampling Date	Sampling Time	Preservative Type	Purge Volume (ml)	Vacuum (inches of H_2O)	8260B VOC's 0.02 RL						Special Instructions
Equipment Blank	Air	Glass Bulb	1	5/30/2014	755	Surr			X						Bulb # 8
SVL-546-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/30/2014	746	Surr			X						Bulb # 2
SVL-846-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/30/2014	746	Surr			X						Bulb # 13
SVL-546-SA5D-SV-10.0-11.0	Air	Glass Bulb	1	5/30/2014	819	Surr			X						Bulb # 11
SVL-546-SA5D-SV-16.0-17.0	Air	Glass Bulb	1	5/30/2014	900	Surr			X						Bulb # 9
SVL-550-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/30/2014	939	Surr			X						Bulb # 12
SVL-550-SA5D-SV-11.0-12.0	Air	Glass Bulb	1	5/30/2014	1007	Surr			X						Bulb # 7
SVL-550-SA5D-SV-17.0-18.0	Air	Glass Bulb	1	5/30/2014	1042	Surr			X						Bulb # 6
FB-~~052914~~ 053014	Air	Glass Bulb	1	5/30/2014	1109	Surr			X						Bulb # 1

Relinquished by: (Signature) Date/Time: 05/30/14
Received by: Date/Time:

Relinquished by: (Signature) Date/Time:
Received by: Date/Time:

Sample Results with Analysis and Extractions Preparation Dates

June 04, 2013

Sarah Von Raesfield
MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

RE: Santa Susana Field Laboratory, Canoga Park

Enclosed are the results of analyses for soil gas samples received by Environmental Support Technologies laboratory on 05/40/13 13:06. The analyses were performed according to the prescribed method as outlined by EPA 8260B. A shut in test was performed, leak test was performed, equipment blank was run, and selected purge volume was 4PV. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Ashley Flores

Ashley Flores
Project Manager

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 2772, 2774, and 2767.

16510 Aston Street, Irvine, California 92606
Telephone: (939) 679-9500 Fax: (939) 679-9501

MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2753
Project Manager: Sarah Von Raesfield

Reported:
04-Jun-13 13:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
Equipment Blank	4E34001-01	Air	40-May-13 07:55	40-May-13 08:15
SVL-536-SA5D-SV-5.0-6.0	4E34001-02	Air	40-May-13 07:36	40-May-13 08:33
SVL-836-SA5D-SV-5.0-6.0	4E34001-04	Air	40-May-13 07:36	40-May-13 09:51
SVL-536-SA5D-SV-10.0-11.0	4E34001-03	Air	40-May-13 08:19	40-May-13 10:23
SVL-536-SA5D-SV-16.0-17.0	4E34001-05	Air	40-May-13 09:00	40-May-13 10:57
SVL-550-SA5D-SV-5.0-6.0	4E34001-06	Air	40-May-13 09:49	40-May-13 11:29
SVL-550-SA5D-SV-11.0-12.0	4E34001-07	Air	40-May-13 10:07	40-May-13 12:00
SVL-550-SA5D-SV-17.0-18.0	4E34001-08	Air	40-May-13 10:32	40-May-13 12:44
FB-054013	4E34001-09	Air	40-May-13 11:09	40-May-13 14:01

16510 Aston Street, Irvine, California 92606
Telephone: (939) 679-9500 Fax: (939) 679-9501

MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2753
Project Manager: Sarah Von Raesfield

Reported:
04-Jun-13 13:57

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Equipment Blank (3E43001-01) Air Sampled: 05/30/14 07:55 Analyzed: 05/30/14 08:15									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*90.0 1*	*%75-07*		"	"	"	"	
2urroSateg Toluene5d4		*9D.8 1*	*%75-07*		"	"	"	"	
2urroSateg D56 romofluorobenzene		*-B8 1*	*%75-07*		"	"	"	"	
2urroSateg 6 enzene5d8		*9B.- 1*	*%B5-DB*		"	"	"	"	
2urroSateg Chloroform5d		*97.0 1*	*%B5-DB*		"	"	"	"	
2urroSateg Methylene chloride5d0		*9D.D1*	*%B5-DB*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2753
Project Manager: Sarah Von Raesfield

Reported:
04-Jun-13 13:57

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-546-SA5D-SV-5.0-6.0 (3E43001-02) Air Sampled: 05/30/14 07:46 Analyzed: 05/30/14 08:44									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.011**	0.020	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.013**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*90.%1*	*%75-07*		"	"	"	"	
2urroSategToluene5d4		*9%B 1*	*%75-07*		"	"	"	"	
2urroSategD56romofluorobenzene		*--B 1*	*%75-07*		"	"	"	"	
2urroSateg6enzene5d8		*48.8 1*	*%B5-DB*		"	"	"	"	
2urroSategChloroform5d		*97.B 1*	*%B5-DB*		"	"	"	"	
2urroSategMethylene chloride5d0		*9-.B 1*	*%B5-DB*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2753
Project Manager: Sarah Von Raesfield

Reported:
04-Jun-13 13:57

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-846-SA5D-SV-5.0-6.0 (3E43001-03) Air Sampled: 05/30/14 07:46 Analyzed: 05/30/14 09:51									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.0094**	0.020	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.013**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*93.4 1*	*%75-07*		"	"	"	"	
2urroSateg Toluene5d4		*98.3 1*	*%75-07*		"	"	"	"	
2urroSateg D56 romofluorobenzene		*--B 1*	*%75-07*		"	"	"	"	
2urroSateg 6 enzene5d8		*4%0 1*	*%B5-DB*		"	"	"	"	
2urroSateg Chloroform5d		*97.B 1*	*%B5-DB*		"	"	"	"	
2urroSateg Methylene chloride5d0		*93.4 1*	*%B5-DB*		"	"	"	"	

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-546-SA5D-SV-10.0-11.0 (3E43001-04) Air Sampled: 05/30/14 08:19 Analyzed: 05/30/14 10:24									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.010**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*9D- 1*	*%75-07*		"	"	"	"	
2urroSateg Toluene5d4		*97.8 1*	*%75-07*		"	"	"	"	
2urroSateg D56 romofluorobenzene		*--0 1*	*%75-07*		"	"	"	"	
2urroSateg 6 enzene5d8		*49.B 1*	*%B5-DB*		"	"	"	"	
2urroSateg Chloroform5d		*98.0 1*	*%B5-DB*		"	"	"	"	
2urroSateg Methylene chloride5d0		*9-.B 1*	*%B5-DB*		"	"	"	"	

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-546-SA5D-SV-16.0-17.0 (3E43001-05) Air	**Sampled: 05/30/14 09:00**		**Analyzed: 05/30/14 10:57**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.0044**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*9D.7 1*	*%75-07*		"	"	"	"	
2urroSategToluene5d4		*9D.7 1*	*%75-07*		"	"	"	"	
2urroSategD56romofluorobenzene		*--0 1*	*%75-07*		"	"	"	"	
2urroSateg6enzene5d8		*90.B 1*	*%B5-DB*		"	"	"	"	
2urroSategChloroform5d		*-B- 1*	*%B5-DB*		"	"	"	"	
2urroSategMethylene chloride5d0		*99.9 1*	*%B5-DB*		"	"	"	"	

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MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2753
Project Manager: Sarah Von Raesfield

Reported: 04-Jun-13 13:57

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-550-SA5D-SV-5.0-6.0 (3E43001-06) Air Sampled: 05/30/14 09:39 Analyzed: 05/30/14 11:29									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*9-.7 1*	*%75-07*		"	"	"	"	
2urroSategToluene5d4		*9D- 1*	*%75-07*		"	"	"	"	
2urroSategD56romofluorobenzene		*-B9 1*	*%75-07*		"	"	"	"	
2urroSateg6enzene5d8		*4D4 1*	*%B5-DB*		"	"	"	"	
2urroSategChloroform5d		*9B.%1*	*%B5-DB*		"	"	"	"	
2urroSategMethylene chloride5d0		*4%9 1*	*%B5-DB*		"	"	"	"	

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-550-SA5D-SV-11.0-12.0 (3E43001-07) Air	**Sampled: 05/30/14 10:07**	**Analyzed: 05/30/14 12:00**							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.0088**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.030**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.028**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*93.3 1*	*%75-07*		"	"	"	"	
2urroSategToluene5d4		*9-.B 1*	*%75-07*		"	"	"	"	
2urroSategD56romofluorobenzene		*--- 1*	*%75-07*		"	"	"	"	
2urroSateg6enzene5d8		*93.D1*	*%B5-DB*		"	"	"	"	
2urroSategChloroform5d		*-B0 1*	*%B5-DB*		"	"	"	"	
2urroSategMethylene chloride5d0		*-BB 1*	*%B5-DB*		"	"	"	"	

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-550-SA5D-SV-17.0-18.0 (3E43001-08) Air	**Sampled: 05/30/14 10:42**	**Analyzed: 05/30/14 12:33**							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.0060**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.023**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.011**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*90.0 1*	*%75-07*		*"*	*"*	*"*	*"*	
2urroSategToluene5d4		*93.B 1*	*%75-07*		*"*	*"*	*"*	*"*	
2urroSategD56romofluorobenzene		*--B 1*	*%75-07*		*"*	*"*	*"*	*"*	
2urroSateg6enzene5d8		*44.0 1*	*%B5-DB*		*"*	*"*	*"*	*"*	
2urroSategChloroform5d		*97.9 1*	*%B5-DB*		*"*	*"*	*"*	*"*	
2urroSategMethylene chloride5d0		*90.B 1*	*%B5-DB*		*"*	*"*	*"*	*"*	

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-053014 (3E43001-09) Air Sampled: 05/30/14 11:09 Analyzed: 05/30/14 13:01									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	43E4001	05/40/13	05/40/13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.012**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*9D.8 1*	*%75- 07*		"	"	"	"	
2urroSateg Toluene5d4		*9B.B 1*	*%75- 07*		"	"	"	"	
2urroSateg D56 romofluorobenzene		*- B9 1*	*%75- 07*		"	"	"	"	
2urroSateg 6 enzene5d8		*9B.8 1*	*%B5- DB*		"	"	"	"	
2urroSateg Chloroform5d		*9%D1*	*%B5- DB*		"	"	"	"	
2urroSateg Methylene chloride5d0		*94.0 1*	*%B5- DB*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E3001 - Volatiles										
Blank (34E3001-BLK1)				Prepared & Analyzed: 05/40/13						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l							
1,1,1-Trichloroethane	ND	0.020	"							
1,1,2,2-Tetrachloroethane	ND	0.020	"							
1,1,2-Trichloro-trifluoroethane	ND	0.020	"							
1,1,2-Trichloroethane	ND	0.020	"							
1,1-Dichloroethane	ND	0.020	"							
1,1-Dichloroethene	ND	0.020	"							
1,2-Dichloroethane	ND	0.020	"							
Benzene	ND	0.020	"							
cis-1,2-Dichloroethene	ND	0.020	"							
Carbon tetrachloride	ND	0.020	"							
Chloroethane	ND	0.020	"							
Chloroform	ND	0.020	"							
Dichlorodifluoromethane	ND	0.020	"							
Ethylbenzene	ND	0.020	"							
Methylene Chloride	ND	0.020	"							
ortho-Xylene	ND	0.020	"							
meta- and para-Xylenes	ND	0.020	"							
trans-1,2-Dichloroethene	ND	0.020	"							
Tetrachloroethene	ND	0.020	"							
Toluene	0.00380	0.020	"							J
Trichloroethene	ND	0.020	"							
Trichlorofluoromethane	ND	0.020	"							
Vinyl Chloride	ND	0.020	"							
2urroSateg: ibromofluoromethane	*0.0%*		*"*	*0.7B*		*9-.B*	*%75-07*			
2urroSateg Toluene5d4	*0.3-*		*"*	*0.7B*		*90.7*	*%75-07*			
2urroSateg D56 romofluorobenzene	*0.89*		*"*	*0.7B*		*-B%*	*%75-07*			
2urroSateg 6 enzene5d8	*0.-D*		*"*	*0.7B*		*47.%*	*%B5-DB*			
2urroSateg Chloroform5d	*0.30*		*"*	*0.7B*		*90.%*	*%B5-DB*			
2urroSateg Methylene chloride5d0	*0.04*		*"*	*0.7B*		*9-.D*	*%B5-DB*			

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E3001 - Volatiles										
LCS (34E3001-BS1)				Prepared & Analyzed: 05/40/13						
1,1,1,2-Tetrachloroethane	1.23	0.020	ug/l	1.25		99.2	75-146			
1,1,1-Trichloroethane	1.04	0.020	"	1.25		82.3	74-143			
1,1,2,2-Tetrachloroethane	1.66	0.020	"	1.25		144	56-139			
1,1,2-Trichloro-trifluoroethane	1.26	0.020	"	1.25		101	84-125			
1,1,2-Trichloroethane	1.49	0.020	"	1.25		111	67-147			
1,1-Dichloroethane	1.06	0.020	"	1.25		83.8	80-121			
1,1-Dichloroethene	1.33	0.020	"	1.25		115	74-147			
1,2-Dichloroethane	1.28	0.020	"	1.25		102	75-141			
Benzene	1.24	0.020	"	1.25		98.3	79-118			
cis-1,2-Dichloroethene	1.25	0.020	"	1.25		100	85-116			
Carbon tetrachloride	1.00	0.020	"	1.25		80.0	73-134			
Chloroethane	1.30	0.020	"	1.25		112	60-147			
Chloroform	1.21	0.020	"	1.25		96.8	82-130			
Dichlorodifluoromethane	1.45	0.020	"	1.25		108	37-129			
Ethylbenzene	1.28	0.020	"	1.25		102	84-125			
Methylene Chloride	1.40	0.020	"	1.25		103	81-126			
ortho-Xylene	1.40	0.020	"	1.25		103	85-115			
meta- and para-Xylenes	2.64	0.020	"	2.50		105	84-115			
trans-1,2-Dichloroethene	1.24	0.020	"	1.25		98.3	72-144			
Tetrachloroethene	1.14	0.020	"	1.25		90.3	60-133			
Toluene	1.20	0.020	"	1.25		96.0	70-115			
Trichloroethene	1.25	0.020	"	1.25		100	68-142			
Trichlorofluoromethane	1.41	0.020	"	1.25		105	62-133			
Vinyl Chloride	1.13	0.020	"	1.25		91.2	66-147			
2urroSateg: ibromofluoromethane	*--.7*		*"*	*-0.7*		*90.0*	*%75-07*			
2urroSateg Toluene5d4	*-0.%*		*"*	*-0.7*		*-B-*	*%75-07*			
2urroSateg D56 romofluorobenzene	*-0.8*		*"*	*-0.7*		*-B-*	*%75-07*			

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	Reported: 04-Jun-13 13:57

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E3001 - Volatiles										
LCS Dup (34E3001-BSD1)				Prepared & Analyzed: 05/40/13						
1,1,1,2-Tetrachloroethane	1.12	0.020	ug/l	1.25		89.6	75-146	10.2	20	
1,1,1-Trichloroethane	1.24	0.020	"	1.25		98.3	74-143	17.7	20	
1,1,2,2-Tetrachloroethane	1.18	0.020	"	1.25		93.3	56-139	44.8	20	QR-03
1,1,2-Trichloro-trifluoroethane	1.13	0.020	"	1.25		91.2	84-125	10.0	20	
1,1,2-Trichloroethane	1.22	0.020	"	1.25		97.6	67-147	14.0	20	
1,1-Dichloroethane	1.29	0.020	"	1.25		104	80-121	19.6	20	
1,1-Dichloroethene	1.43	0.020	"	1.25		107	74-147	7.19	20	
1,2-Dichloroethane	1.16	0.020	"	1.25		92.8	75-141	9.83	20	
Benzene	1.19	0.020	"	1.25		95.2	79-118	4.41	20	
cis-1,2-Dichloroethene	1.19	0.020	"	1.25		95.2	85-116	3.92	20	
Carbon tetrachloride	1.05	0.020	"	1.25		83.0	73-134	3.88	20	
Chloroethane	1.23	0.020	"	1.25		99.2	60-147	12.1	20	
Chloroform	1.15	0.020	"	1.25		92.0	82-130	5.08	20	
Dichlorodifluoromethane	1.47	0.020	"	1.25		110	37-129	1.37	20	
Ethylbenzene	1.26	0.020	"	1.25		101	84-125	1.57	20	
Methylene Chloride	1.20	0.020	"	1.25		96.0	81-126	8.00	20	
ortho-Xylene	1.23	0.020	"	1.25		99.2	85-115	3.72	20	
meta- and para-Xylenes	2.59	0.020	"	2.50		103	84-115	1.54	20	
trans-1,2-Dichloroethene	1.18	0.020	"	1.25		93.3	72-144	3.15	20	
Tetrachloroethene	1.14	0.020	"	1.25		90.3	60-133	0.00	20	
Toluene	1.21	0.020	"	1.25		96.8	70-115	0.840	20	
Trichloroethene	1.15	0.020	"	1.25		92.0	68-142	8.44	20	
Trichlorofluoromethane	1.51	0.020	"	1.25		121	62-133	13.2	20	
Vinyl Chloride	1.15	0.020	"	1.25		92.0	66-147	0.874	20	
2urroSateg: ibromofluoromethane	*--.-*		"	*-0.7*		*44.8*	*%75-07*			
2urroSategToluene5d4	*-0.7*		"	*-0.7*		*-BB*	*%75-07*			
2urroSategD56romofluorobenzene	*-0.8*		"	*-0.7*		*-B-*	*%75-07*			

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield		**Reported:** 04-Jun-13 13:57

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E3001 - Volatiles										
Duplicate (34E3001-DUP1)	**Source: 3E43001-02**		Prepared & Analyzed: 05/40/13							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l		ND				50	
1,1,1-Trichloroethane	ND	0.020	"		ND				50	
1,1,2,2-Tetrachloroethane	ND	0.020	"		ND				50	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"		ND				50	
1,1,2-Trichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethene	ND	0.020	"		ND				50	
1,2-Dichloroethane	ND	0.020	"		ND				50	
Benzene	ND	0.020	"		ND				50	
cis-1,2-Dichloroethene	ND	0.020	"		ND				50	
Carbon tetrachloride	ND	0.020	"		ND				50	
Chloroethane	ND	0.020	"		ND				50	
Chloroform	ND	0.020	"		ND				50	
Dichlorodifluoromethane	ND	0.020	"		ND				50	
Ethylbenzene	ND	0.020	"		ND				50	
Methylene Chloride	ND	0.020	"		ND				50	
ortho-Xylene	ND	0.020	"		ND				50	
meta- and para-Xylenes	0.00860	0.020	"		0.0106			20.8	50	J
trans-1,2-Dichloroethene	ND	0.020	"		ND				50	
Tetrachloroethene	ND	0.020	"		ND				50	
Toluene	0.0116	0.020	"		0.0128			9.83	50	J
Trichloroethene	ND	0.020	"		ND				50	
Trichlorofluoromethane	ND	0.020	"		ND				50	
Vinyl Chloride	ND	0.020	"		ND				50	
2urroSateg: ibromofluoromethane	*0.0%*		*"*	*0.7B*		*9-.B*	*%75-07*			
2urroSategToluene5d4	*0.3D*		*"*	*0.7B*		*93.7*	*%75-07*			
2urroSategD56romofluorobenzene	*0.%B*		*"*	*0.7B*		*-B4*	*%75-07*			
2urroSateg6enzene5d8	*0.B9*		*"*	*0.7B*		*43.4*	*%B5-DB*			
2urroSategChloroform5d	*0.04*		*"*	*0.7B*		*9-.B*	*%B5-DB*			
2urroSategMethylene chloride5d0	*0.04*		*"*	*0.7B*		*9-.3*	*%B5-DB*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 04-Jun-13 13:57

Notes and Definitions

QR-03	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SUMMARY OF INITIAL CALIBRATION

Rerun sample @ 5ppb @ Most.

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:24:09 2013
Response via : Initial Calibration

Calibration Files

1	=K3IC00_1.D	2	=K3IC0_25.D	3	=K07LCS01.D
4	=K3IC1_25.D	5	=K3IC02_5.D	6	=K3IC12_5.D

		Compound	1	2	3	4	5	6	Avg	%RSD	
1)	I	Fluorobenzene (IS)				ISTD					
2)	S	Dibromofluoromethan	0.311	0.300	0.318	0.319	0.312	0.311	0.312	2.10	
3)	T	(F12) Dichlorodiflu	0.320	0.284	0.302	0.292	0.321	0.321	0.307	5.36	
4)	P	Chloromethane	0.422	0.302	0.293	0.219	0.221	0.212	0.278	29.02	Linear
5)	CM	Vinyl Chloride	0.276	0.224	0.211	0.207	0.207	0.199	0.221	12.88	
6)	T	Bromomethane	0.338	0.225	0.179	0.162	0.150	0.139	0.199	37.55	Linear
7)	T	Chloroethane	0.030	0.106	0.066	0.102	0.098	0.089	0.082	35.53	Quadratic
8)	T	(F11) Trichlorofluo	0.379	0.365	0.327	0.337	0.323	0.326	0.343	6.87	
9)	T	(F113) 1,1,2-Trichl	0.291	0.221	0.227	0.267	0.239	0.229	0.246	11.15	
10)	CM	1,1-Dichloroethene	0.277	0.287	0.322	0.307	0.291	0.286	0.295	5.61	
11)	T	Acetone	0.267	0.136	0.115	0.061	0.051	0.016	0.108	82.94	Quadratic
12)	M	(IPA) Leak Check Co	0.012	0.022	0.014	0.013	0.014	0.016	0.015	27.59	
13)	T	Carbon disulfide	1.178	1.037	1.080	1.042	0.958	0.941	1.039	8.28	
14)	T	Methylene Chloride	0.418	0.313	0.349	0.339	0.327	0.314	0.343	11.47	
15)		(TBA) tert-Butanol	0.022	0.019	0.027	0.022	0.018	0.020	0.021	16.39	
16)	TM	(MTBE) Methyl-t-but	0.789	0.678	0.760	0.729	0.655	0.638	0.708	8.56	
17)	T	trans-1,2-Dichloroe	0.331	0.360	0.342	0.357	0.310	0.318	0.336	6.07	
18)	PM	1,1-Dichloroethane	0.582	0.580	0.586	0.585	0.521	0.518	0.562	5.90	
19)	T	cis-1,2-Dichloroeth	0.442	0.415	0.416	0.387	0.339	0.345	0.390	10.66	
20)	T	2,2-Dichloropropane	0.561	0.489	0.520	0.497	0.440	0.435	0.490	9.80	
21)	T	(MEK) 2-Butanone	0.036	0.041	0.042	0.021	0.440	0.435	0.035	26.97	Not in use.
22)	T	(DIPE) Diisopropyl	1.055	1.006	1.006	1.025	0.901	0.867	0.977	7.64	
23)	T	Bromochloromethane	0.110	0.155	0.185	0.189	0.182	0.184	0.167	18.39	
24)	CM	Chloroform	0.723	0.654	0.684	0.676	0.594	0.598	0.655	7.70	
25)	T	(ETBE) 2-ethoxy 2-m	1.034	0.874	0.941	0.927	0.821	0.823	0.903	9.00	
26)	T	1,1,1-Trichloroetha	0.516	0.540	0.535	0.523	0.496	0.488	0.517	4.07	
27)	T	(TAME) tert-Amyl me	1.000	0.749	0.821	0.764	0.701	0.680	0.786	14.75	
28)	S	1,2-Dichloroethane-	0.309	0.278	0.303	0.299	0.296	0.293	0.296	3.50	
29)	T	1,1-Dichloropropene	0.547	0.492	0.502	0.489	0.439	0.427	0.482	9.13	
30)	T	Carbon Tetrachlorid	0.401	0.388	0.449	0.460	0.412	0.416	0.421	6.66	
31)	M	Benzene	1.374	1.155	1.267	1.217	1.042	1.008	1.177	11.75	
32)	M	1,2-Dichloroethane	0.501	0.382	0.445	0.419	0.385	0.365	0.416	12.20	
33)	M	Trichloroethene	0.480	0.355	0.386	0.399	0.336	0.324	0.380	14.87	
34)	C	1,2-Dichloropropane	0.298	0.297	0.277	0.290	0.264	0.258	0.281	6.17	
35)	T	Dibromomethane	0.207	0.209	0.227	0.244	0.215	0.216	0.220	6.33	
36)	T	Bromodichloromethan	0.459	0.407	0.479	0.446	0.428	0.433	0.442	5.69	
37)	T	cis-1,3-Dichloropro	0.508	0.451	0.526	0.493	0.447	0.467	0.482	6.63	
38)	I	Chlorobenzene-d5 (IS)				ISTD					
39)	S	Toluene-d8 (SU3)	1.209	1.139	1.193	1.149	1.157	1.149	1.166	2.42	
40)	T	(MIBK) 4-Methyl-2-P	0.545	0.324	0.388	0.078	0.072	0.088	0.249	79.95	Not in use.
41)	CM	Toluene	2.231	1.790	1.660	1.584	1.518	1.441	1.704	16.71	

42)	T	trans-1,3-Dichlorop	0.601	0.493	0.586	0.607	0.528	0.560	0.563	7.97	
43)	T	1,1,2-Trichloroetha	0.310	0.285	0.355	0.328	0.286	0.281	0.308	9.58	
44)	M	Tetrachloroethene	0.462	0.392	0.677	0.635	0.590	0.281	0.551	21.81	Linear
45)	T	1,3-Dichloropropane	0.710	0.578	0.592	0.569	0.532	0.529	0.585	11.33	
46)	T	2-Hexanone	0.333	0.186	0.340	0.266	0.333	0.182	0.273	27.20	
47)	T	Dibromochloromethan	0.426	0.363	0.496	0.458	0.432	0.459	0.439	10.18	
48)	T	1,2-Dibromoethane	0.412	0.355	0.430	0.402	0.394	0.396	0.398	6.27	
49)	PM	Chlorobenzene	1.366	1.154	1.110	1.134	1.086	1.043	1.149	9.84	
50)	T	1,1,1,2-Tetrachloro	0.449	0.384	0.437	0.407	0.388	0.387	0.409	6.91	
51)	CM	Ethylbenzene	2.333	2.080	1.968	1.851	1.736	1.654	1.937	12.77	
52)	TM	m,p-Xylenes	0.809	0.711	0.727	0.669	0.615	0.602	0.689	11.20	
53)	TM	o-Xylene	0.867	0.664	0.674	0.671	0.615	0.594	0.681	14.25	
54)	T	Styrene	1.563	1.015	1.078	1.049	0.973	0.934	1.102	21.01	Linear
55)	P	Bromoform	0.237	0.199	0.286	0.259	0.238	0.276	0.249	12.69	
56)	T	Isopropylbenzene	2.188	1.855	1.900	1.811	1.764	1.674	1.865	9.44	
57)	T	1,2,3-Trichloroprop	0.505	0.491	0.593	0.516	0.480	0.472	0.509	8.58	
58)	S	4-Bromofluorobenzen	0.518	0.507	0.527	0.511	0.510	0.495	0.511	2.08	
59)	I	1,4-Dichlorobenzene-d	---------------ISTD--------------------								
60)	P	1,1,2,2-Tetrachloro	1.020	0.822	1.013	0.870	0.774	0.905	0.901	11.13	
61)	T	Bromobenzene	1.079	1.003	1.043	0.946	0.914	0.907	0.982	7.20	
62)	T	n-Propylbenzene	6.721	5.112	5.219	4.601	4.392	4.279	5.054	17.82	
63)	T	2-Chlorotoluene	3.644	2.948	3.362	3.044	2.868	2.805	3.112	10.48	
64)	T	1,3,5-Trimethylbenz	3.612	3.208	3.247	3.017	2.832	2.775	3.115	9.93	
65)	T	4-Chlorotoluene	3.315	2.950	2.942	2.812	2.597	2.623	2.873	9.19	
66)	T	tert-Butylbenzene	2.817	2.666	3.007	2.633	2.430	2.371	2.654	8.96	
67)	T	1,2,4-Trimethylbenz	3.774	3.331	3.421	3.050	2.968	2.953	3.250	9.91	
68)	T	sec-Butylbenzene	4.837	3.956	4.522	4.187	3.865	3.852	4.203	9.54	
69)	T	p-Isopropyltoluene	3.974	3.475	3.582	3.347	3.061	3.060	3.417	10.13	
70)	T	1,3-Dichlorobenzene	2.120	1.740	1.888	1.871	1.734	1.744	1.850	8.06	
71)	T	1,4-Dichlorobenzene	2.120	1.740	1.974	1.864	1.658	1.729	1.847	9.43	
72)	T	n-Butylbenzene	4.391	3.645	3.644	3.397	3.264	3.192	3.589	12.14	
73)	T	1,2-Dichlorobenzene	1.716	1.534	1.764	1.657	1.614	1.583	1.645	5.20	
74)	T	1,2-Dibromo-3-chlor	0.082	0.104	0.111	0.148	0.133	0.146	0.121	21.61	Linear
75)	T	1,2,4-Trichlorobenz	1.184	1.091	1.244	1.074	1.050	1.044	1.115	7.28	
76)	T	Hexachlorobutadiene	0.297	0.477	0.596	0.481	0.499	0.507	0.476	20.56	Linear
77)	T	Naphthalene	2.690	2.294	3.052	2.312	2.176	2.294	2.470	13.55	
78)	T	Hexachloroethane	0.306	0.301	0.391	0.362	0.374	0.435	0.361	14.24	
79)	T	1,2,3-Trichlorobenz	1.346	0.926	1.173	0.993	0.940	0.968	1.058	15.82	

(#) = Out of Range

MW111313.M Wed Nov 13 19:25:18 2013

CONTINUING CALIBRATION VERIFICATION

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D Vial: 9
Acq On : 30 May 2014 6:20 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 7:03 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AR

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.31	96	1580949	12.50	ug/L	0.02
38) Chlorobenzene-d5 (IS)	13.93	117	1138816	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.52	152	571082	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.45	113	450247	11.42	ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.36%		
28) 1,2-Dichloroethane-d4 (SU2	9.91	65	457427	12.21	ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	97.68%		
39) Toluene-d8 (SU3)	12.22	98	1324474	12.47	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	99.76%		
58) 4-Bromofluorobenzene (SU4)	15.23	95	606379	13.02	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	104.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	56999	1.47	ug/L	98
4) Chloromethane	4.52	50	39223	1.36	ug/L	41
5) Vinyl Chloride	4.61	62	37659	1.35	ug/L	80
6) Bromomethane	5.14	96	26034	1.32	ug/L	95
7) Chloroethane	5.29	64	17452	1.41	ug/L	99
8) (F11) Trichlorofluorometha	5.68	101	62656	1.44	ug/L	89
9) (F113) 1,1,2-Trichloro-tri	6.38	151	39033	1.26	ug/L	93
10) 1,1-Dichloroethene	6.46	96	51068	1.37	ug/L	85
11) Acetone	6.47	58	52030	-12.50	ug/L	94
12) (IPA) Leak Check Compound	6.54	45	110129	57.97	ug/L	95
13) Carbon disulfide	6.87	76	182684	1.39	ug/L	97
14) Methylene Chloride	7.14	84	59333	1.37	ug/L #	9
15) (TBA) tert-Butanol	7.11	59	4947	1.83	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.42	73	93080	1.04	ug/L	97
17) trans-1,2-Dichloroethene	7.49	96	52931	1.24	ug/L	93
18) 1,1-Dichloroethane	8.09	63	73113	1.03	ug/L	99
19) cis-1,2-Dichloroethene	8.85	96	59677	1.21	ug/L	90
20) 2,2-Dichloropropane	8.85	77	273	0.00	ug/L #	1
21) (MEK) 2-Butanone	8.82	72	10248	2.31	ug/L #	69
22) (DIPE) Diisopropyl Ether	8.03	45	158818	1.29	ug/L	97
23) Bromochloromethane	9.18	128	23477	1.11	ug/L #	79
24) Chloroform	9.23	83	93729	1.13	ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D   Vial: 9
Acq On : 30 May 2014 6:20 am   Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std   Inst : GC/MS Ins
Misc : 20mL 8260 CCV   Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 7:03 19114   Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	(ETBE) 2-ethoxy 2-methyl p	8.51	59	107299	0.94 ug/L	#	99
26)	1,1,1-Trichloroethane	9.51	97	67924	1.04 ug/L		96
27)	(TAME) tert-Amyl methyl et	10.01	73	99362	1.00 ug/L		93
29)	1,1-Dichloropropene	9.71	75	69307	1.14 ug/L		97
30)	Carbon Tetrachloride	13.91	117	60476	1.14 ug/L		99
31)	Benzene	9.99	78	192220	1.29 ug/L		93
32)	1,2-Dichloroethane	10.00	62	63843	1.21 ug/L		94
33)	Trichloroethene	10.76	130	55214	1.15 ug/L		94
34)	1,2-Dichloropropane	11.06	63	44004	1.24 ug/L	#	72
35)	Dibromomethane	11.23	93	36382	1.31 ug/L		99
36)	Bromodichloromethane	11.36	83	57941	1.04 ug/L		97
37)	cis-1,3-Dichloropropene	11.88	75	60389	0.99 ug/L		93
40)	(MIBK) 4-Methyl-2-Pentanon	12.13	43	23418	1.03 ug/L	#	100
41)	Toluene	12.30	91	185834	1.20 ug/L		98
42)	trans-1,3-Dichloropropene	12.52	75	46517	0.91 ug/L		64
43)	1,1,2-Trichloroethane	12.77	83	40313	1.44 ug/L		91
44)	Tetrachloroethene	12.95	164	59762	1.10 ug/L		93
45)	1,3-Dichloropropane	12.98	76	70575	1.32 ug/L		99
46)	2-Hexanone	12.99	43	65626	2.63 ug/L	#	99
47)	Dibromochloromethane	13.26	129	51762	1.29 ug/L	#	97
48)	1,2-Dibromoethane	13.44	107	55994	1.54 ug/L		98
49)	Chlorobenzene	13.96	112	132368	1.26 ug/L		97
50)	1,1,1,2-Tetrachloroethane	14.03	131	43566	1.17 ug/L		94
51)	Ethylbenzene	14.03	91	222323	1.26 ug/L		100
52)	m,p-Xylenes	14.16	106	170142	2.71 ug/L		93
53)	o-Xylene	14.62	106	83355	1.34 ug/L		97
54)	Styrene	14.64	104	135365	1.51 ug/L		96
55)	Bromoform	14.92	173	32119	1.41 ug/L		91
56)	Isopropylbenzene	15.01	105	213356	1.26 ug/L		99
57)	1,2,3-Trichloropropane	15.43	75	79768	1.72 ug/L	#	1
60)	1,1,2,2-Tetrachloroethane	15.34	83	76260	1.85 ug/L		97
61)	Bromobenzene	15.44	156	57434	1.28 ug/L		96
62)	n-Propylbenzene	15.47	91	273101	1.18 ug/L		99
63)	2-Chlorotoluene	15.62	91	178121	1.25 ug/L		100
64)	1,3,5-Trimethylbenzene	15.64	105	186198	1.31 ug/L		99
65)	4-Chlorotoluene	15.73	91	171261	1.30 ug/L		98
66)	tert-Butylbenzene	16.03	119	137344	1.13 ug/L		89

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D Vial: 9
Acq On : 30 May 2014 6:20 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 7:03 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

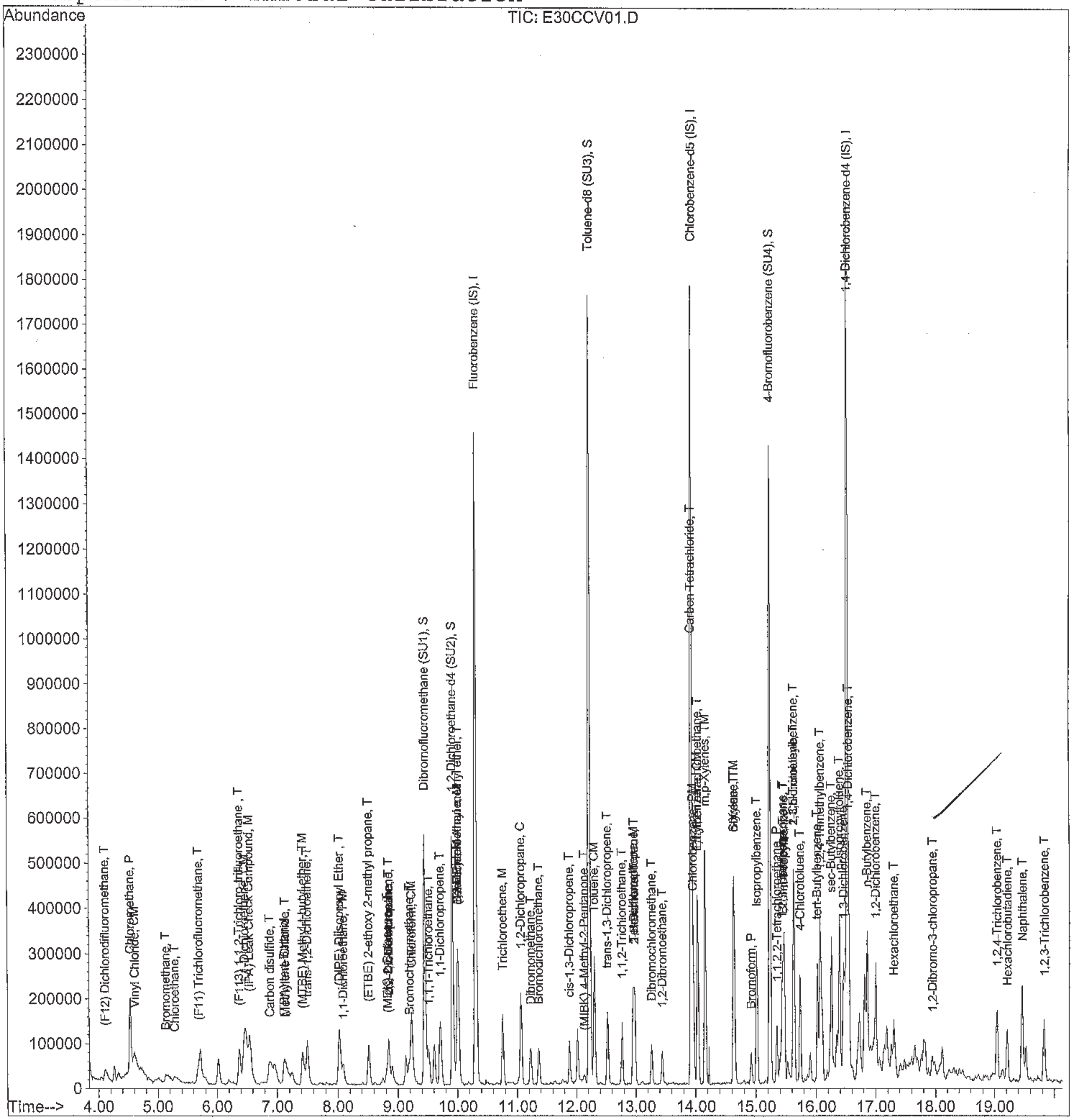
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
67)	1,2,4-Trimethylbenzene	16.07	105	221947	1.49 ug/L	#	81
68)	sec-Butylbenzene	16.25	105	235325	1.23 ug/L		99
69)	p-Isopropyltoluene	16.39	119	224553	1.44 ug/L		94
70)	1,3-Dichlorobenzene	16.46	146	108532	1.28 ug/L		99
71)	1,4-Dichlorobenzene	16.55	146	109870	1.30 ug/L		96
72)	n-Butylbenzene	16.85	91	216876	1.32 ug/L		95
73)	1,2-Dichlorobenzene	17.00	146	101033	1.34 ug/L		99
74)	1,2-Dibromo-3-chloropropan	17.94	75	12459	1.94 ug/L	#	67
75)	1,2,4-Trichlorobenzene	19.04	180	65372	1.28 ug/L		99
76)	Hexachlorobutadiene	19.21	225	29065	1.27 ug/L		90
77)	Naphthalene	19.46	128	249355	2.21 ug/L		100
78)	Hexachloroethane	17.30	201	20153	1.22 ug/L	#	85
79)	1,2,3-Trichlorobenzene	19.83	180	61215	1.27 ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D          Vial: 9
Acq On    : 30 May 2014   6:20 am                      Operator: DN
Sample    : 1.25/2.5/12.5 ug/L 8260B std               Inst    : GC/MS Ins
Misc      : 20mL 8260 CCV                              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30  7:03 19114                Quant Results File: MW111313.RES

Method          : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title           : 8260B    GC/MS #3   ICAL 11/13/13   DN
Last Update     : Wed Nov 13 19:38:32 2013
Response via    : Initial Calibration
```



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D   Vial: 9
Acq On : 30 May 2014 6:20 am   Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std   Inst : GC/MS Ins
Misc : 20mL 8260 CCV   Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene (IS)	12.500	12.500	0.0	119	0.02
2	S	Dibromofluoromethane (SU1)	12.500	11.418	8.7	106	0.02
3	T	(F12) Dichlorodifluorometha	1.250	1.470	-17.6	147	0.03
4	P	Chloromethane	1.250	1.358	-8.6	135	0.13
5	CM	Vinyl Chloride	1.250	1.349	-7.9	137	0.05
6	T	Bromomethane	1.250	1.319	-5.5	121	0.04
7	T	Chloroethane	1.250	1.412	-13.0	129	0.05
8	T	(F11) Trichlorofluoromethan	1.250	1.444	-15.5	140	0.07
9	T	(F113) 1,1,2-Trichloro-trif	1.250	1.256	-0.5	110	0.06
10	CM	1,1-Dichloroethene	1.250	1.369	-9.5	125	0.06
11	T	Acetone	1.250	-12.500	1100.0#	640	0.02
12	M	(IPA) Leak Check Compound	62.500	57.971	7.2	119	0.00
13	T	Carbon disulfide	1.250	1.390	-11.2	132	0.06
14	T	Methylene Chloride	1.250	1.367	-9.4	132	0.06
15		(TBA) tert-Butanol	12.500	1.835	85.3#	17	0.00
16	TM	(MTBE) Methyl-t-butyl ether	2.500	1.039	58.4#	48	0.02
17	T	trans-1,2-Dichloroethene	1.250	1.244	0.5	112	0.03
18	PM	1,1-Dichloroethane	1.250	1.029	17.7	94	0.03
19	T	cis-1,2-Dichloroethene	1.250	1.208	3.4	116	0.03
20	T	2,2-Dichloropropane	1.250	0.004	99.7#	0	0.02
21	T	(MEK) 2-Butanone	1.250	2.306	-84.5#	188	0.03
22	T	(DIPE) Diisopropyl Ether	1.250	1.286	-2.9	117	0.02
23	T	Bromochloromethane	1.250	1.109	11.3	94	0.03
24	CM	Chloroform	1.250	1.132	9.4	104	0.02
25	T	(ETBE) 2-ethoxy 2-methyl pr	1.250	0.939	24.9	87	0.00
26	T	1,1,1-Trichloroethane	1.250	1.040	16.8	98	0.02
27	T	(TAME) tert-Amyl methyl eth	1.250	1.000	20.0	98	0.00
28	S	1,2-Dichloroethane-d4 (SU2)	12.500	12.205	2.4	115	0.02
29	T	1,1-Dichloropropene	1.250	1.136	9.1	107	0.02
30	T	Carbon Tetrachloride	1.250	1.136	9.1	99	4.20#
31	M	Benzene	1.250	1.291	-3.3	119	0.02
32	M	1,2-Dichloroethane	1.250	1.213	3.0	115	0.02
33	M	Trichloroethene	1.250	1.149	8.1	104	0.02
34	C	1,2-Dichloropropane	1.250	1.239	0.9	114	0.00
35	T	Dibromomethane	1.250	1.309	-4.7	112	0.02
36	T	Bromodichloromethane	1.250	1.036	17.1	98	0.02
37	T	cis-1,3-Dichloropropene	1.250	0.991	20.7	92	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D Vial: 9
Acq On : 30 May 2014 6:20 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	I	Chlorobenzene-d5 (IS)	12.500	12.500	0.0	110	0.00
39	S	Toluene-d8 (SU3)	12.500	12.469	0.2	111	0.00
40	T	(MIBK) 4-Methyl-2-Pentanone	1.250	1.030	17.6	289	0.02
41	CM	Toluene	1.250	1.197	4.2	113	0.02
42	T	trans-1,3-Dichloropropene	1.250	0.908	27.4	74	0.00
43	T	1,1,2-Trichloroethane	1.250	1.439	-15.1	119	0.02
44	M	Tetrachloroethene	1.250	1.096	12.3	91	0.00
45	T	1,3-Dichloropropane	1.250	1.324	-5.9	120	0.00
46	T	2-Hexanone	1.250	2.634	-110.7#	238	0.02
47	T	Dibromochloromethane	1.250	1.294	-3.5	109	0.00
48	T	1,2-Dibromoethane	1.250	1.543	-23.4	135	0.00
49	PM	Chlorobenzene	1.250	1.265	-1.2	113	0.00
50	T	1,1,1,2-Tetrachloroethane	1.250	1.170	6.4	104	0.00
51	CM	Ethylbenzene	1.250	1.260	-0.8	116	0.00
52	TM	m,p-Xylenes	2.500	2.712	-8.5	123	0.00
53	TM	o-Xylene	1.250	1.344	-7.5	120	0.00
54	T	Styrene	1.250	1.511	-20.9	125	0.00
55	P	Bromoform	1.250	1.415	-13.2	120	0.00
56	T	Isopropylbenzene	1.250	1.255	-0.4	114	0.00
57	T	1,2,3-Trichloropropane	1.250	1.719	-37.5#	150	0.00
58	S	4-Bromofluorobenzene (SU4)	12.500	13.019	-4.2	115	0.00
59	I	1,4-Dichlorobenzene-d4 (IS)	12.500	12.500	0.0	114	0.00
60	P	1,1,2,2-Tetrachloroethane	1.250	1.853	-48.2#	175	0.00
61	T	Bromobenzene	1.250	1.280	-2.4	121	0.00
62	T	n-Propylbenzene	1.250	1.183	5.4	118	0.00
63	T	2-Chlorotoluene	1.250	1.253	-0.2	117	0.00
64	T	1,3,5-Trimethylbenzene	1.250	1.308	-4.6	123	0.00
65	T	4-Chlorotoluene	1.250	1.305	-4.4	121	0.00
66	T	tert-Butylbenzene	1.250	1.133	9.4	104	0.00
67	T	1,2,4-Trimethylbenzene	1.250	1.495	-19.6	145	0.00
68	T	sec-Butylbenzene	1.250	1.226	1.9	112	0.00
69	T	p-Isopropyltoluene	1.250	1.439	-15.1	134	0.00
70	T	1,3-Dichlorobenzene	1.250	1.284	-2.7	116	0.00
71	T	1,4-Dichlorobenzene	1.250	1.302	-4.2	117	0.00
72	T	n-Butylbenzene	1.250	1.323	-5.8	127	0.00
73	T	1,2-Dichlorobenzene	1.250	1.345	-7.6	121	0.00

(#) = Out of Range

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30CCV01.D          Vial: 9
Acq On    : 30 May 2014   6:20 am                     Operator: DN
Sample    : 1.25/2.5/12.5 ug/L 8260B std              Inst    : GC/MS Ins
Misc      : 20mL 8260 CCV                             Multiplr: 1.00
MS Integration Params: rteint.p

Method        : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title         : 8260B    GC/MS #3    ICAL 11/13/13   DN
Last Update   : Wed Nov 13 19:38:32 2013
Response via  : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
74	T	1,2-Dibromo-3-chloropropane	1.250	1.944	-55.5#	167	0.00
75	T	1,2,4-Trichlorobenzene	1.250	1.284	-2.7	121	0.00
76	T	Hexachlorobutadiene	1.250	1.268	-1.4	120	0.00
77	T	Naphthalene	1.250	2.210	-76.8#	215	0.00
78	T	Hexachloroethane	1.250	1.221	2.3	111	0.00
79	T	1,2,3-Trichlorobenzene	1.250	1.267	-1.4	123	0.00

(#) = Out of Range   SPCC's out = 0   CCC's out = 0

SUMMARY OF INTERNAL STANDARDS

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\053014L3\E30BFB01.D
Tune Time : 30 May 14   6:06 am

Daily Calibration File : C:\HPCHEM\1\DATA\013014L3\A30CCV01.D

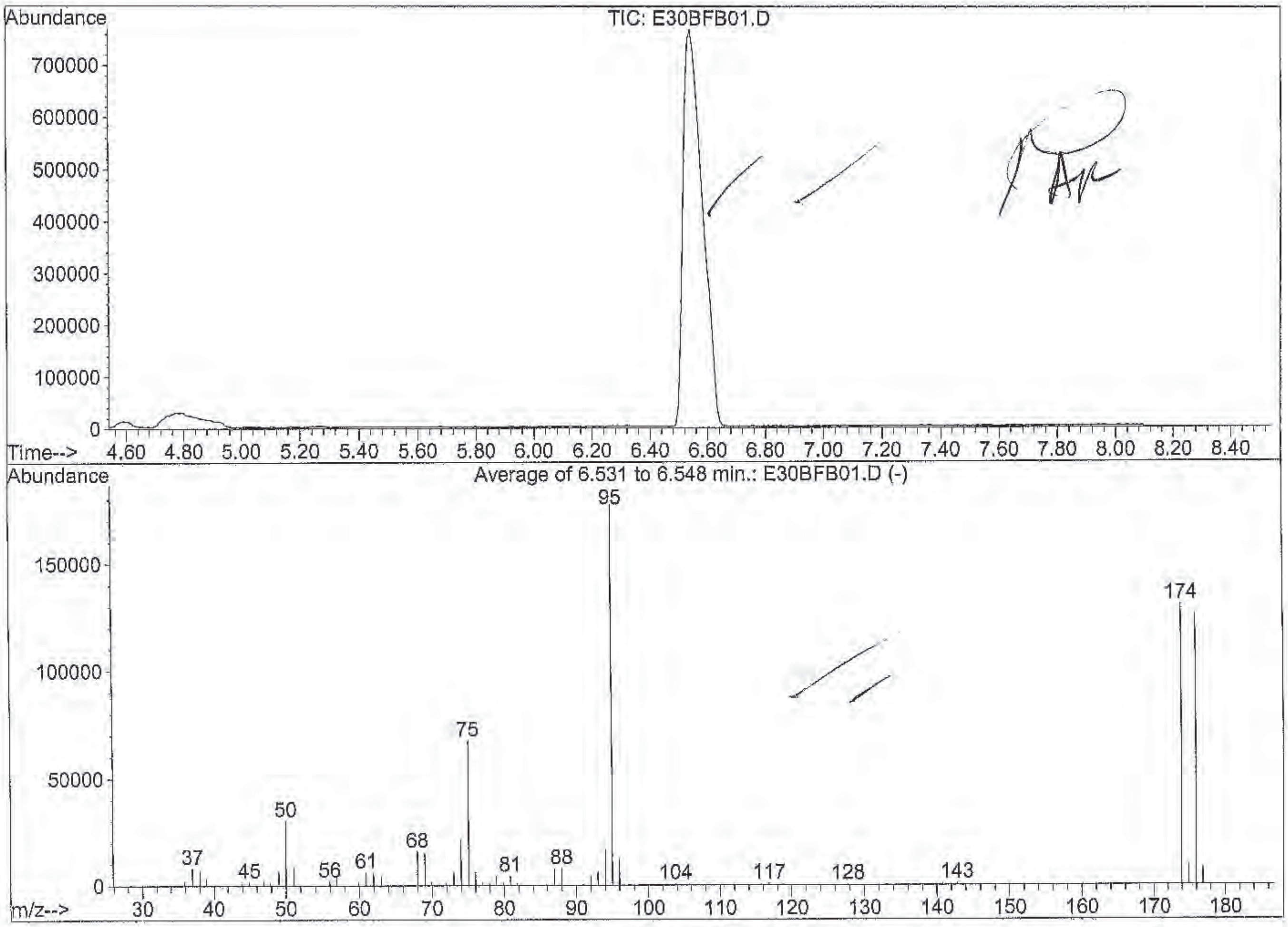
File	Sample	Surrogate Recovery %				Internal Standard Responses (PFB) 1590180	(CLBD 1163370	(1,4- 587649
E3000001.D	3E43001-	92	93	95	106	1463339	1193802	650445
E3000002.D	3E43001-	93	92	97	110	1550819	1252005	689089
E3000003.D	34E3001-	91	92	94	108	1638509	1326871	721605
E3000004.D	3E43001-	94	94	96	110	1575066	1286154	708804
E3000005.D	3E43001-	94	96	96	112	1495954	1233484	698417
E3000006.D	3E43001-	94	97	94	112	1452575	1211623	685597
E3000007.D	3E43001-	92	90	94	109	1576971	1289023	706098
E3000008.D	3E43001-	93	95	91	111	1378002	1166367	644664
E3000009.D	3E43001-	92	94	93	110	1467890	1213356	667526
E3000010.D	3E43001-	95	98	90	109	1340657	1141105	627627
E30BLK01.D	34E3001-	91	94	93	107	1622577	1329092	724181
E30LCS01.D	34E3001-	92	97	101	101	1477084	1081008	551762
E30LCS02.D	34E3001-	89	90	100	101	1547770	1115262	545884

t - fails 12hr time check   * - fails criteria

Created: Sun Jun 08 11:47:15 2014 GC
MS Ins

Summary of Instrument Tuning

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30BFB01.D          Vial: 1
Acq On    : 30 May 2014    6:06 am                    Operator: DN
Sample    : 50 ng BFB tune                            Inst    : GC/MS Ins
Misc      : 12HRS SYSTEM BFB TUNING                   Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title     : 8260B    GC/MS #3   ICAL 11/13/13  DN
```



AutoFind: Scans 320, 321, 322; Background Corrected with Scan 312

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	30267	PASS
75	95	30	60	38.0	67488	PASS
95	95	100	100	100.0	177515	PASS
96	95	5	9	6.6	11772	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.7	130805	PASS
175	174	5	9	7.2	9447	PASS
176	174	95	101	96.5	126205	PASS
177	176	5	9	6.4	8123	PASS

INJECTION LOG

Injection Log

Directory: c:\hpchem\1\data\053014l3

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	11	e3000001.d	10.	3E43001-01	100cc Equipment Blank	30 May 14 08:15
2	1	e3000002.d	10.	3E43001-02	100cc SVL-546-SA5D-SV-5.0-6.0	30 May 14 08:44
3	2	e3000003.d	10.	34E3001-DUP1	100cc SVL-546-SA5D-SV-5.0-6.0	30 May 14 09:18
4	3	e3000004.d	10.	3E43001-03	100cc SVL-846-SA5D-SV-5.0-6.0	30 May 14 09:51
5	4	e3000005.d	10.	3E43001-04	100cc SVL-546-SA5D-SV-10.0-11.0	30 May 14 10:24
6	5	e3000006.d	10.	3E43001-05	100cc SVL-546-SA5D-SV-16.0-17.0	30 May 14 10:57
7	6	e3000007.d	10.	3E43001-06	100cc SVL-550-SA5D-SV-5.0-6.0	30 May 14 11:29
8	7	e3000008.d	10.	3E43001-07	100cc SVL-550-SA5D-SV-11.0-12.0	30 May 14 12:00
9	8	e3000009.d	10.	3E43001-08	100cc SVL-550-SA5D-SV-17.0-18.0	30 May 14 12:33
10	1	e3000010.d	10.	3E43001-09	100cc FB-053014	30 May 14 13:01
11	1	e30bfb01.d	1.	50 ng BFB tune	12HRS SYSTEM BFB TUNING	30 May 14 06:06
12	11	e30blk01.d	10.	34E3001-BLK1	100cc AMBIENT AIR/H20	30 May 14 07:45
13	9	e30ccv01.d	1.	1.25/2.5/12.5 ug/L 8260B std	20mL 8260 CCV	30 May 14 06:20
14	10	e30lcs01.d	1.	34E3001-BS1	20cc 1.25/2.5/12.5 ug/L LCS	30 May 14 06:49
15	9	e30lcs02.d	1.	34E3001-BSD1	20cc 1.25/2.5/12.5 ug/L LCS	30 May 14 13:30

SAMPLE LOG SHEET

Environmental Support Technologies, Inc.
SOIL GAS - FIELD ANALYSIS
Sample Log Sheet

Date:_05/30/2014__________
Analyst:_____DN__________
Lab ID:_____# 3___________
Batch Number:_34E3001_____
Project Number:_EST2754___

EPA Method:_8260B CHHSLS 0.02 RL GILAN AIR5 PUMP
Initial Calibration:_MW111313.MTH FLOW RATE @ 200mL/min
Cal Std Lot No.:__4D14009___________
LCS Std Lot No.:_4D14008___________ Glass Bulb Bake @
IS/SS Lot No.:___4D14001___________ 130 degree for 30 min

MWH SSFL , CA

File No.	Port No.	Sample Lab No.	Sample ID	Amount	Dilution Factor	Bulb Surr added	Time Sample Loaded	Time Sample Analyzed	Glass Bulb #	PID READING
E430BFB1	1	50uL BFB1	12HRS TUNING	1uL	1x	PASS	@	606		
CCV1	9	1.25/2.5/12.5 CCV1	8260 STARDARD	20mL	1x	605	606	620		
BS1	9	34E3001-BS1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	635	636	649		
BLK1	1	34E3001-BLK1	METHOD BLANK	100cc	1x	730	731	745		
1	2	3E43001-01	EQUIPMENT BLANK	100cc	1x	755	756	815	8	0.0
2	1	3E43001-02	SVL-546-SA5D-SV-5.0-6.0	100cc	1x	746	747	844	2	0.0
3	2	34E3001-DUP1	SVL-546-SA5D-SV-5.0-6.0	100cc	1x	746	747	918	2	0.0
4	3	3E43001-03	SVL-846-SA5D-SV-5.0-6.0	100cc	1x	746	747	951	13	0.0
5	4	3E43001-04	SVL-546-SA5D-SV-10.0-11.0	100cc	1x	819	820	1024	11	0.0
6	5	3E43001-05	SVL-546-SA5D-SV-16.0-17.0	100cc	1x	900	901	1057	9	0.0
7	6	3E43001-06	SVL-550-SA5D-SV-5.0-6.0	100cc	1x	939	940	1129	12	0.0
8	7	3E43001-07	SVL-550-SA5D-SV-11.0-12.0	100cc	1x	1007	1008	1200	7	0.0
9	8	3E43001-08	SVL-550-SA5D-SV-17.0-18.0	100cc	1x	1042	1043	1233	6	0.0
12	4	3E43001-09	FB-052914	100cc	1x	1109	1110	1301	9	0.0
BSD1	9	34E3001-BSD1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	1320	1321	1330		

CASE NARRATIVE

LABORATORY CASE NARRATIVE
(EPA 8260B)

SDG: 34E3001
DATE: May 30, 2014
PROJECT No.: EST2754

Nine (9) Glass Bulb soil vapor samples were analyzed on May 30, 2014, by EPA Method Analysis performed using a gas chromatograph/mass spectrometer (GC/MS).

Sample Preservation and Holding Times

Samples were preserved according to the method recommendation, unless otherwise noted on the chain-of-custody (COC) and /or the sample log sheet. Holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC Criteria

All quality objective criteria were met, except as noted in the report with data qualifiers.

Samples Analysis

No anomalies were observes during analysis of the samples.

COMMENTS:

Results that fall between the MDL and RL are 'J' flagged.

Adjusted values corrected for significant figure correction (10X) and sample volume (5X).

RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION
DUPLICATE SAMPLE

Data File : C:\HPCHEM\1\DATA\053014L3\E3000003.D Vial: 2
Acq On : 30 May 2014 9:18 am Operator: DN
Sample : 34E3001-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:39 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Ap

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1638509	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1326871	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	721605	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	464855	11.37	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.96%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	444266	11.44	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.52%		
39) Toluene-d8 (SU3)	12.20	98	1446994	11.69	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.52%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	731976	13.49	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	107.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.36	50	267	-1.12	~~ug/L~~ # NSU	41
6) Bromomethane	5.08	96	12776	5.31	~~ug/L~~ #	1
7) Chloroethane	5.24	64	899	1.35	~~ug/L~~ #	32
11) Acetone	6.47	58	7419	6.87	~~ug/L~~	93
12) (IPA) Leak Check Compound	6.47	45	155451	789.53	~~ug/L~~ # NSU	82
13) Carbon disulfide	6.85	76	18490	1.36	~~ug/L~~ #	80
14) Methylene Chloride	7.08	84	6003	1.33	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.90	59	1775	6.35	~~ug/L~~ #	77
24) Chloroform	9.19	83	1887	0.22	~~ug/L~~ # NSU	1
25) (ETBE) 2-ethoxy 2-methyl p	8.48	59	535	0.05	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.93	75	404	0.06	~~ug/L~~ #	1
31) Benzene	9.98	78	8814	0.57	~~ug/L~~ #	80
32) 1,2-Dichloroethane	9.93	62	6045	1.11	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7511	2.84	~~ug/L~~ #	100
41) Toluene	12.29	91	10481	0.58	ug/L 0.0116	98
46) 2-Hexanone	13.05	43	304	0.10	~~ug/L~~ #	37
51) Ethylbenzene	14.14	91	8060	0.39	~~ug/L~~	94
52) m,p-Xylenes	14.14	106	3150	0.43	ug/L 0.0086	79
53) o-Xylene	14.61	106	513	0.07	ug/L # 0.0014	1
54) Styrene	14.62	104	2355	-0.64	~~ug/L~~ # NSU	71
56) Isopropylbenzene	15.00	105	303	0.02	~~ug/L~~ #	55
62) n-Propylbenzene	15.47	91	638	0.02	~~ug/L~~ #	56

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000003.D Vial: 2
Acq On : 30 May 2014 9:18 am Operator: DN
Sample : 34E3001-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:39 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

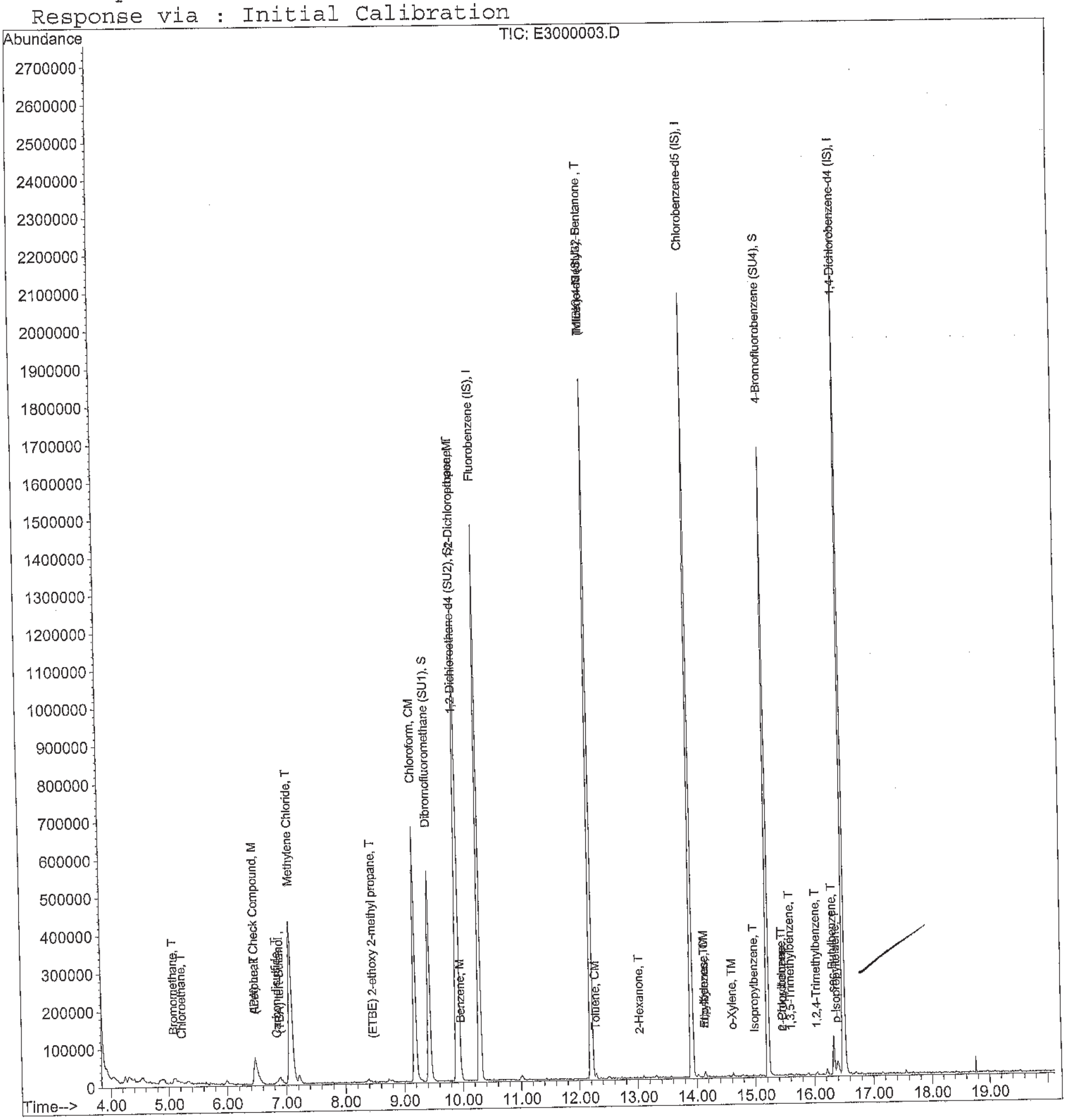
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	2-Chlorotoluene	15.47	91	638	0.04 ~~ug/L~~ # ngv	45
64)	1,3,5-Trimethylbenzene	15.62	105	329	0.02 ~~ug/L~~ #	31
67)	1,2,4-Trimethylbenzene	16.05	105	2877	0.15 ~~ug/L~~ #	84
68)	sec-Butylbenzene	16.33	105	905	0.04 ~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.37	119	1417	0.07 ~~ug/L~~ #	52

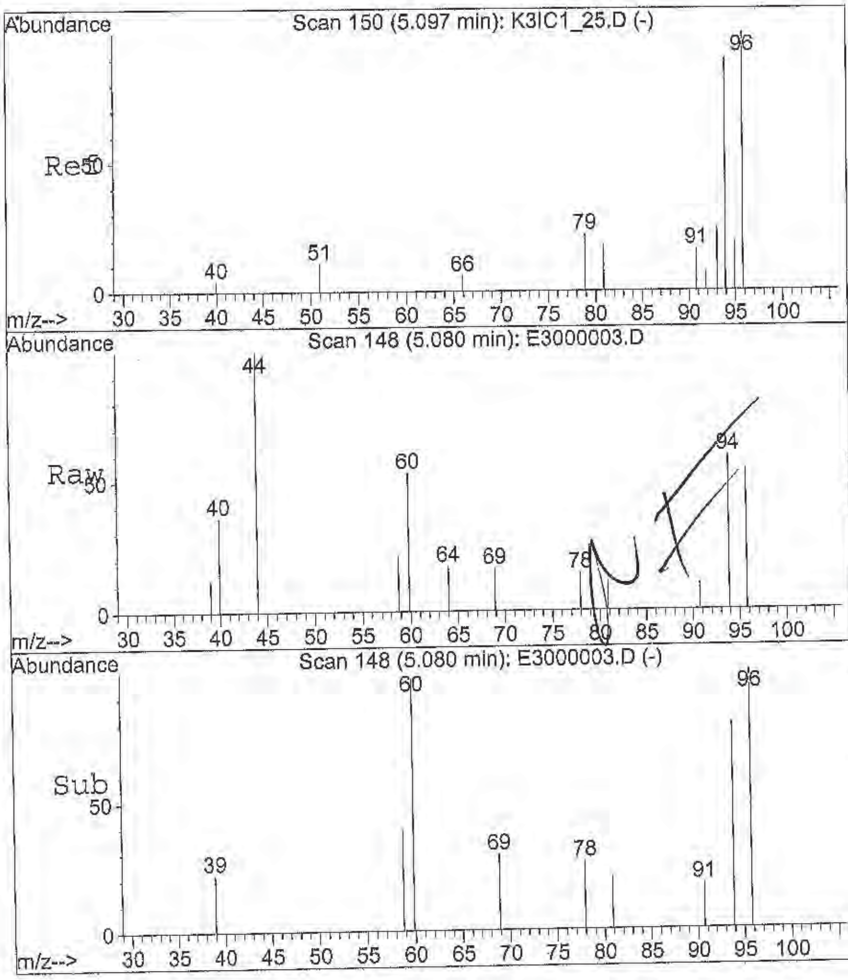
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000003.D
Vial: 2
Acq On : 30 May 2014 9:18 am
Operator: DN
Sample : 34E3001-DUP1
Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:39 19114
Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

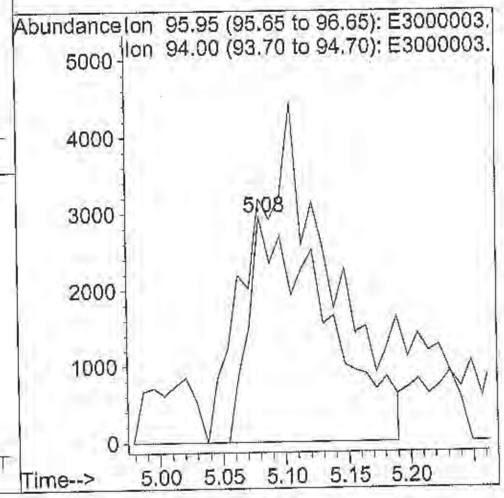


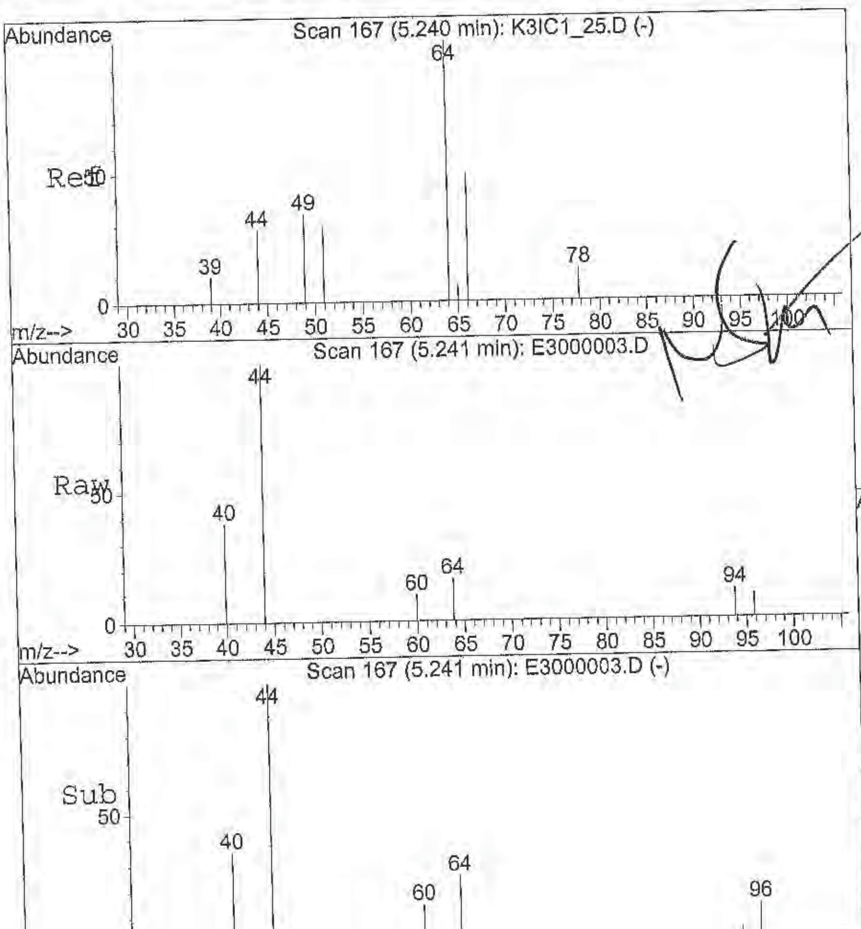


#6
Bromomethane
Concen: 5.31 ug/L
RT: 5.08 min   Scan# 148
Delta R.T.   -0.02 min
Lab File: E3000003.D
Acq: 30 May 2014   9:18 am

Tgt Ion: 96 Resp: 12776

Ion	Ratio	Lower	Upper
96	100		
94	0.0	101.0	151.4#

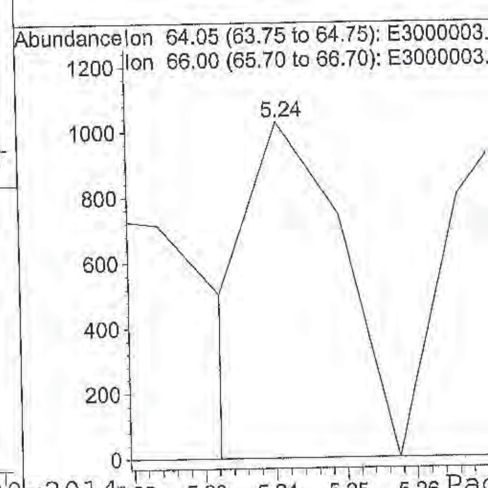


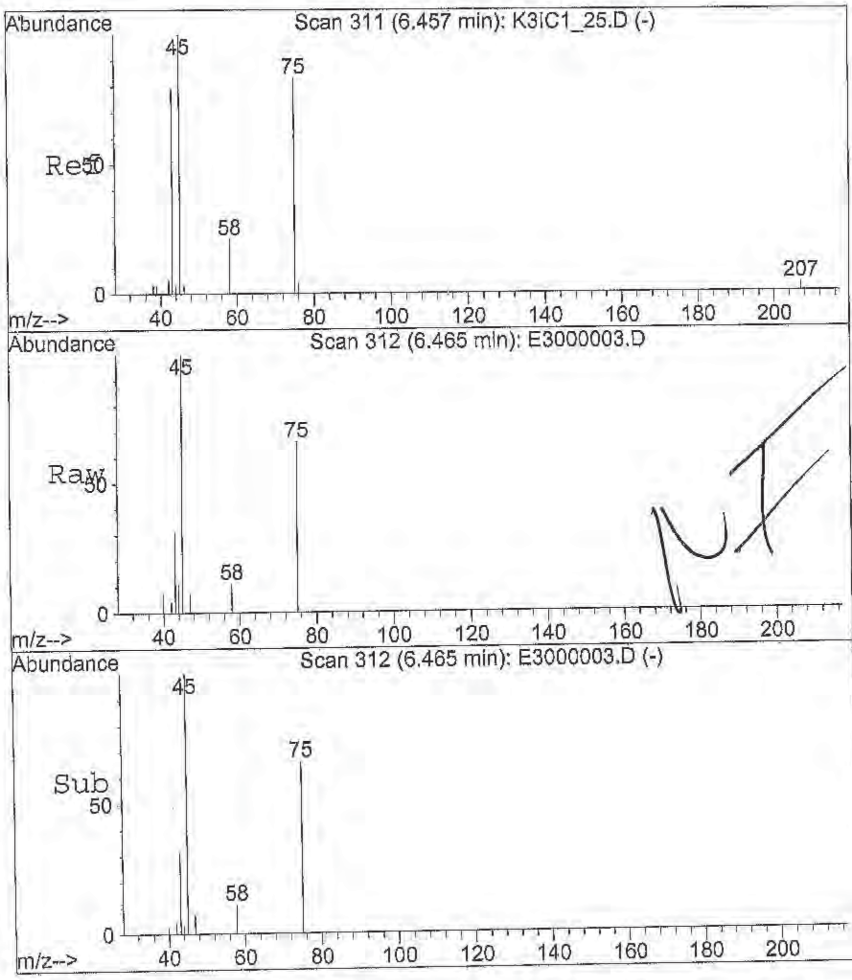


#7
Chloroethane
Concen: 1.35 ug/L
RT: 5.24 min   Scan# 167
Delta R.T.   0.00 min
Lab File: E3000003.D
Acq: 30 May 2014   9:18 am

Tgt Ion: 64 Resp: 899

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

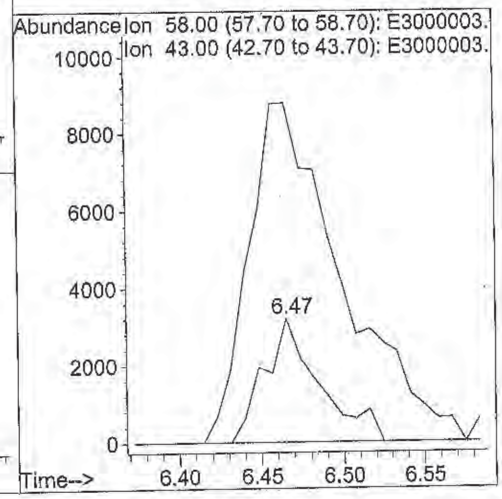


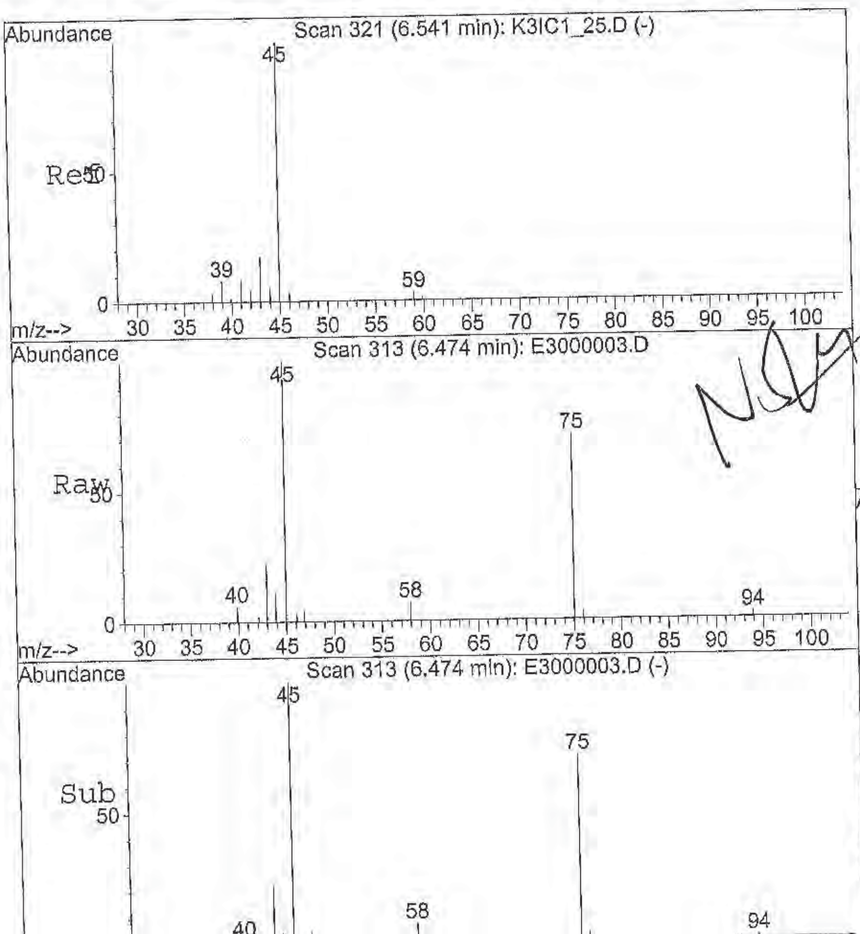


#11
Acetone
Concen: 6.87 ug/L
RT: 6.47 min Scan# 312
Delta R.T. 0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 58 Resp: 7419

Ion	Ratio	Lower	Upper
58	100		
43	470.1	360.9	541.3

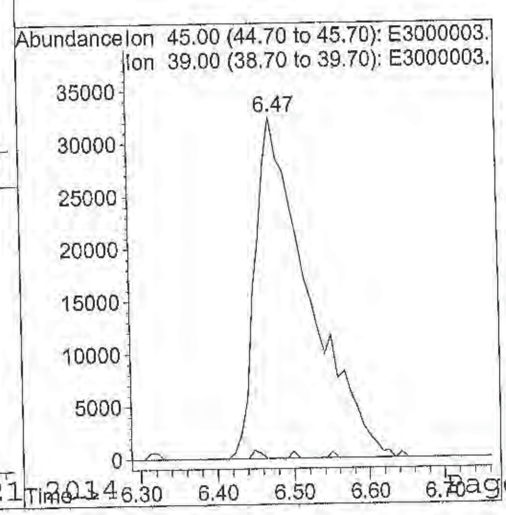


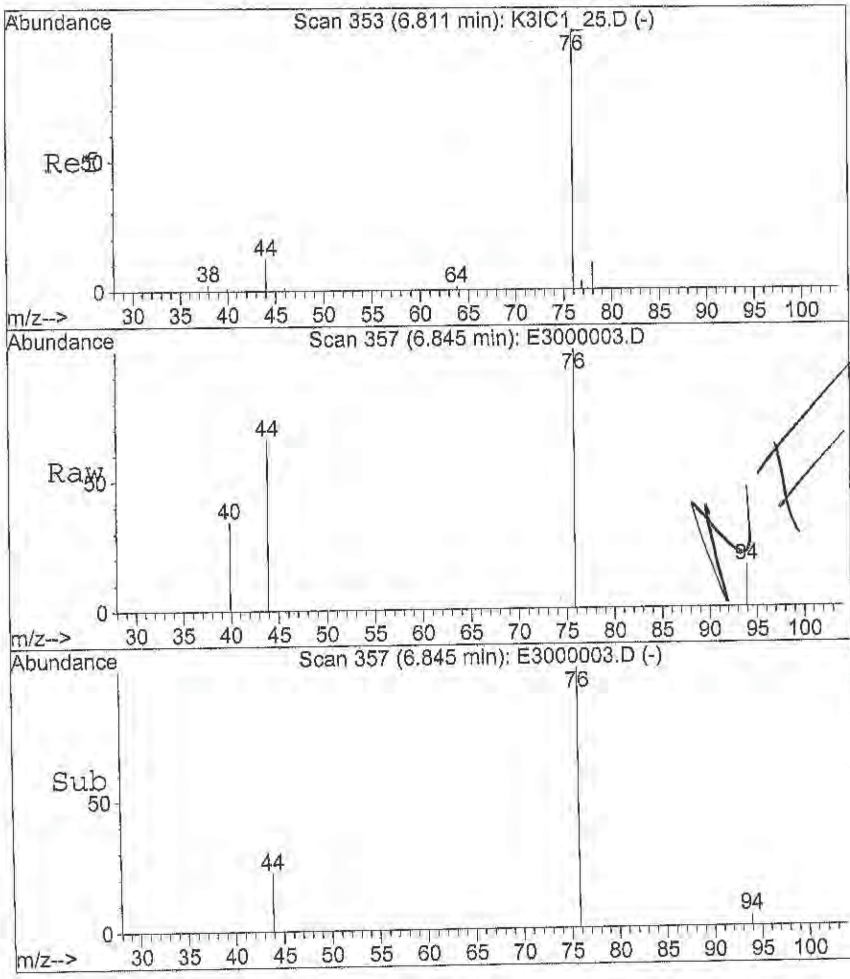


#12
(IPA) Leak Check Compound
Concen: 789.53 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 45 Resp: 155451

Ion	Ratio	Lower	Upper
45	100		
39	0.0	4.9	7.3#

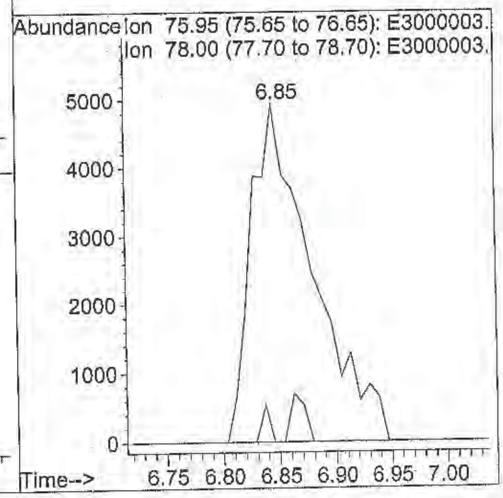


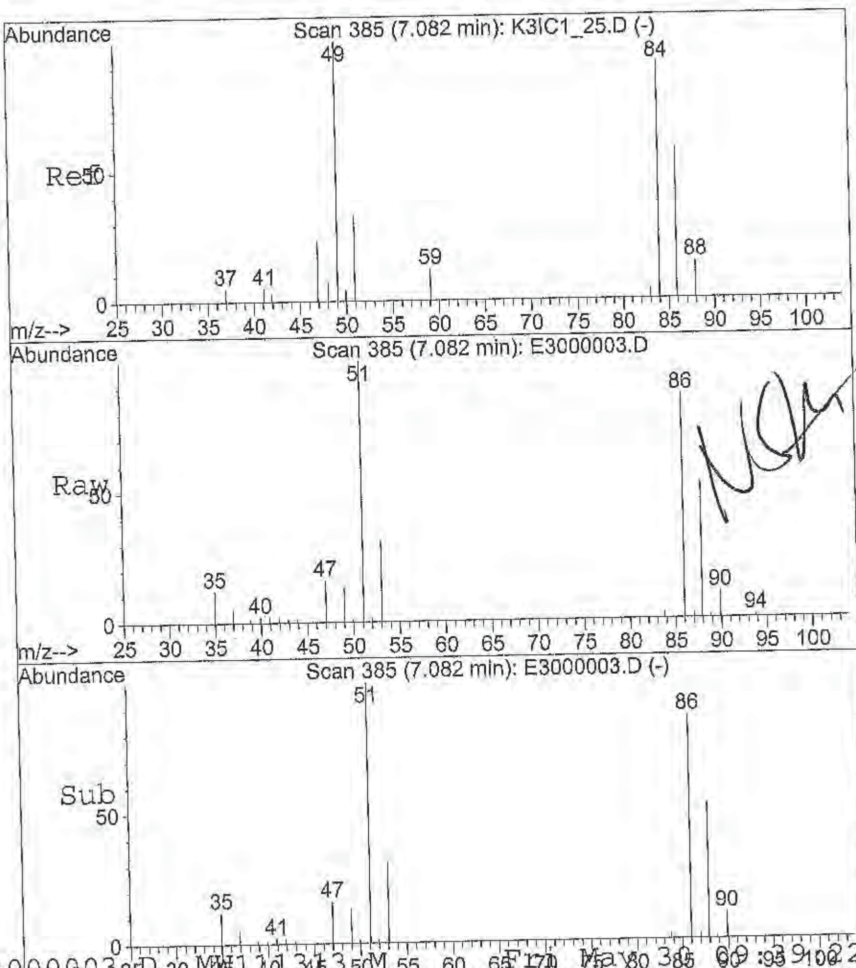


#13
Carbon disulfide
Concen: 1.36 ug/L
RT: 6.85 min Scan# 357
Delta R.T. 0.03 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 76 Resp: 18490

Ion	Ratio	Lower	Upper
76	100		
78	1.5	7.0	10.4#

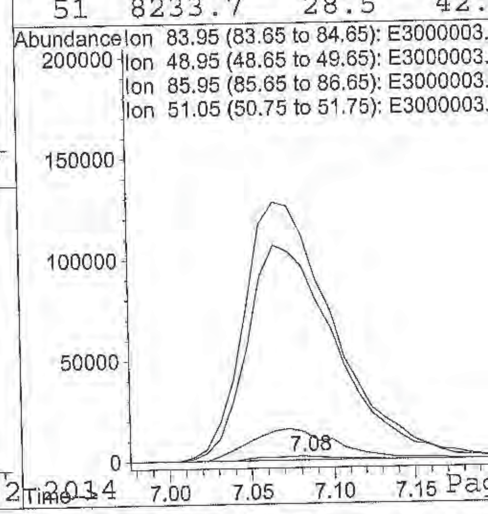


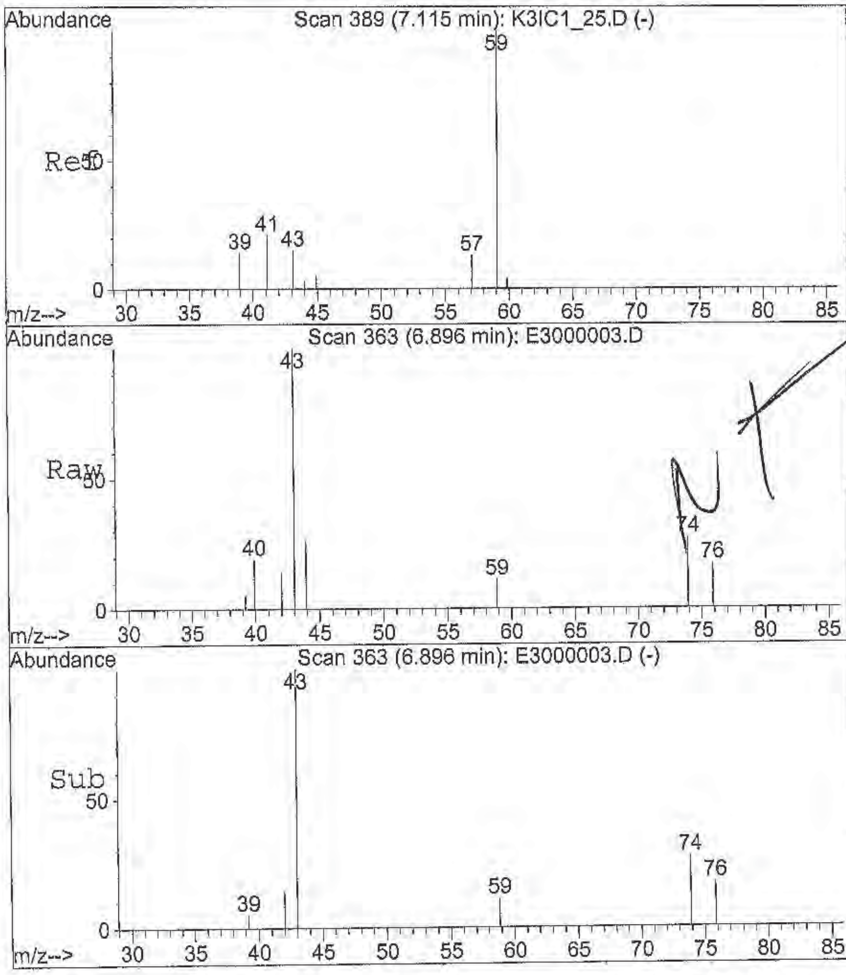


#14
Methylene Chloride
Concen: 1.33 ug/L
RT: 7.08 min Scan# 385
Delta R.T. 0.00 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 84 Resp: 6003

Ion	Ratio	Lower	Upper
84	100		
49	945.3	89.8	134.6#
86	6802.1	51.1	76.7#
51	8233.7	28.5	42.7#

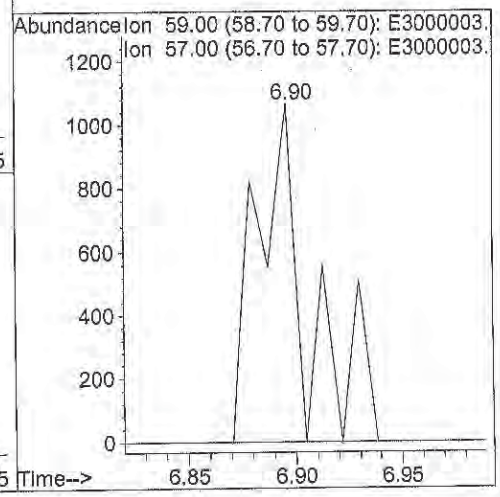


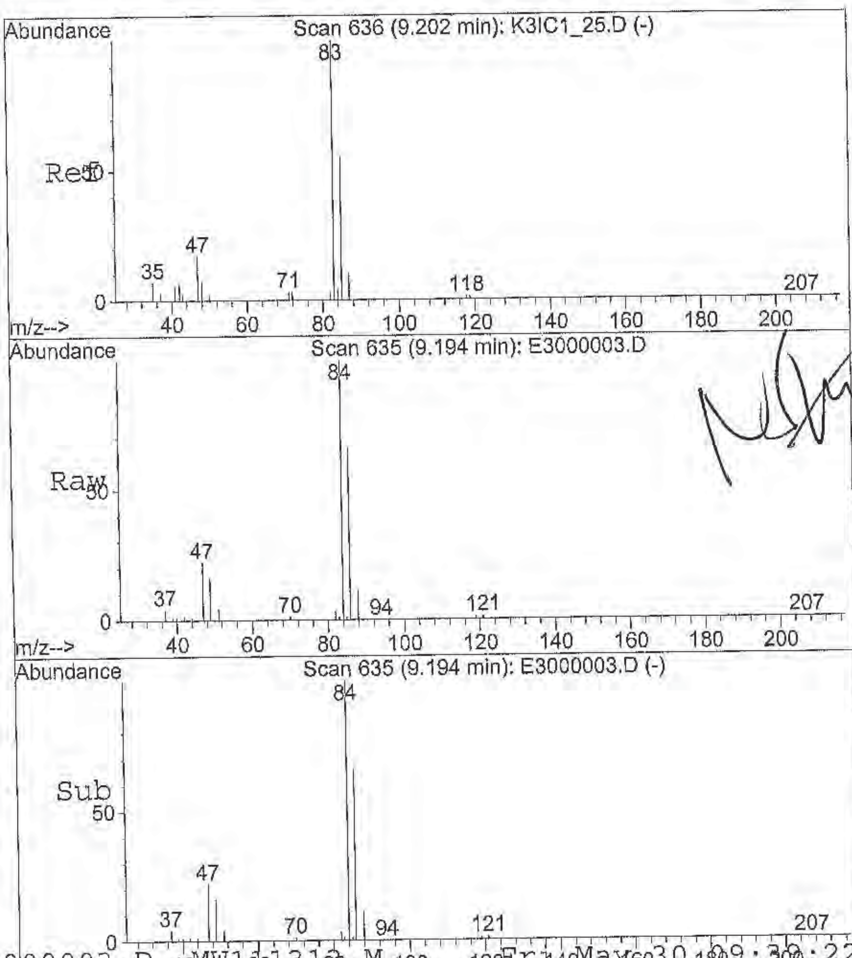


#15
(TBA) tert-Butanol
Concen: 6.35 ug/L
RT: 6.90 min Scan# 363
Delta R.T. -0.22 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 59 Resp: 1775

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

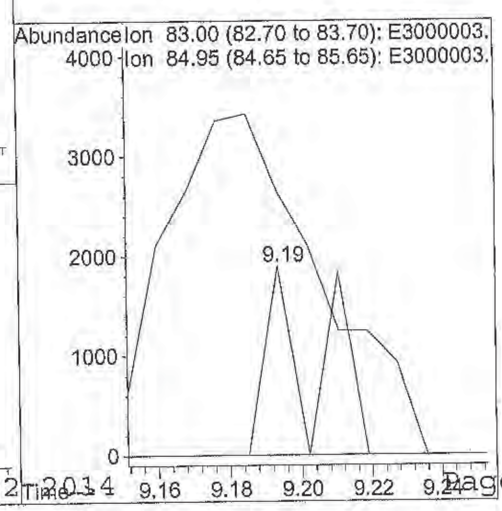


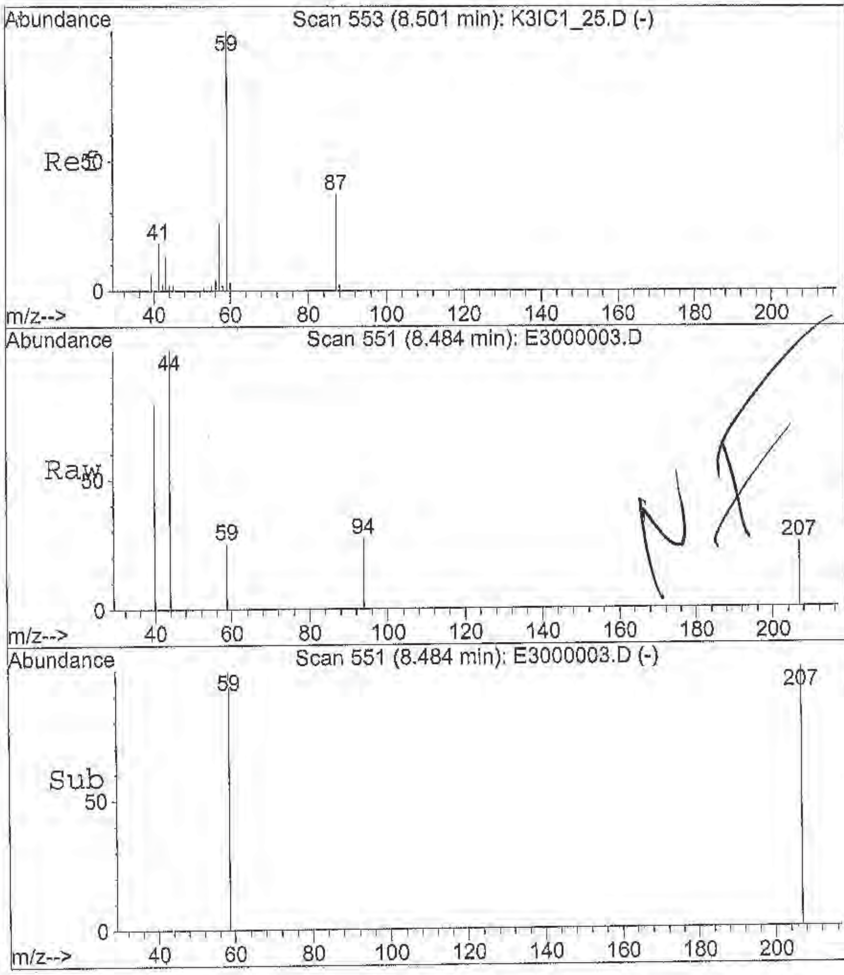


#24
Chloroform
Concen: 0.22 ug/L
RT: 9.19 min Scan# 635
Delta R.T. -0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 83 Resp: 1887

Ion	Ratio	Lower	Upper
83	100		
85	545.4	51.8	77.6#

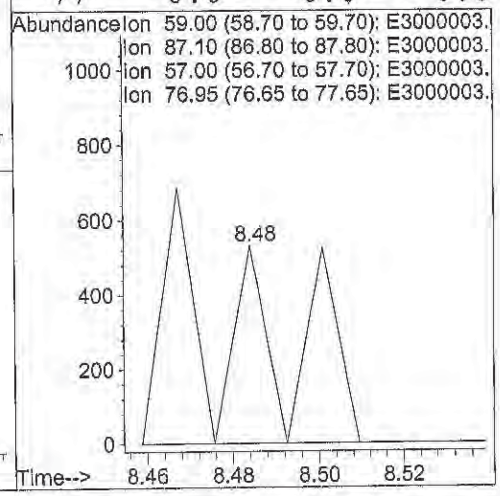


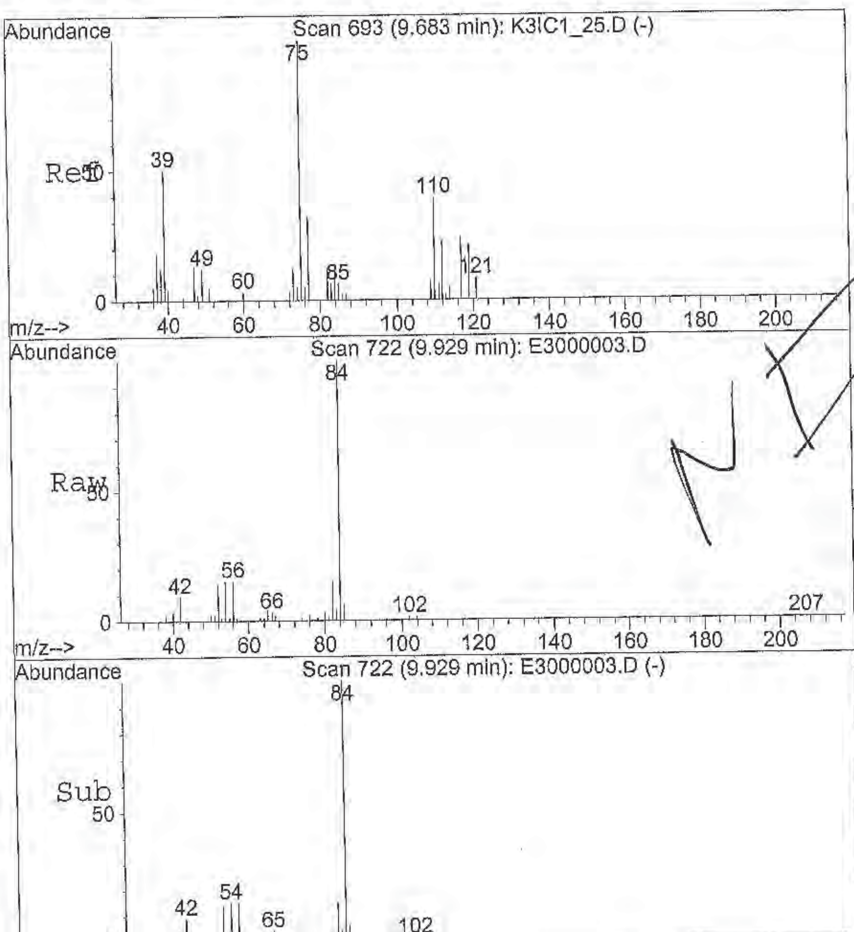


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.05 ug/L
RT: 8.48 min Scan# 551
Delta R.T. -0.02 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 59 Resp: 535

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

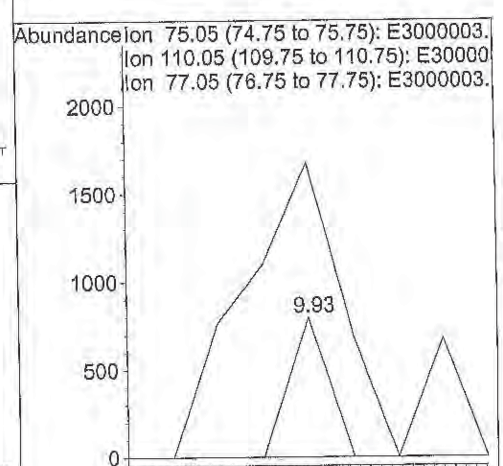


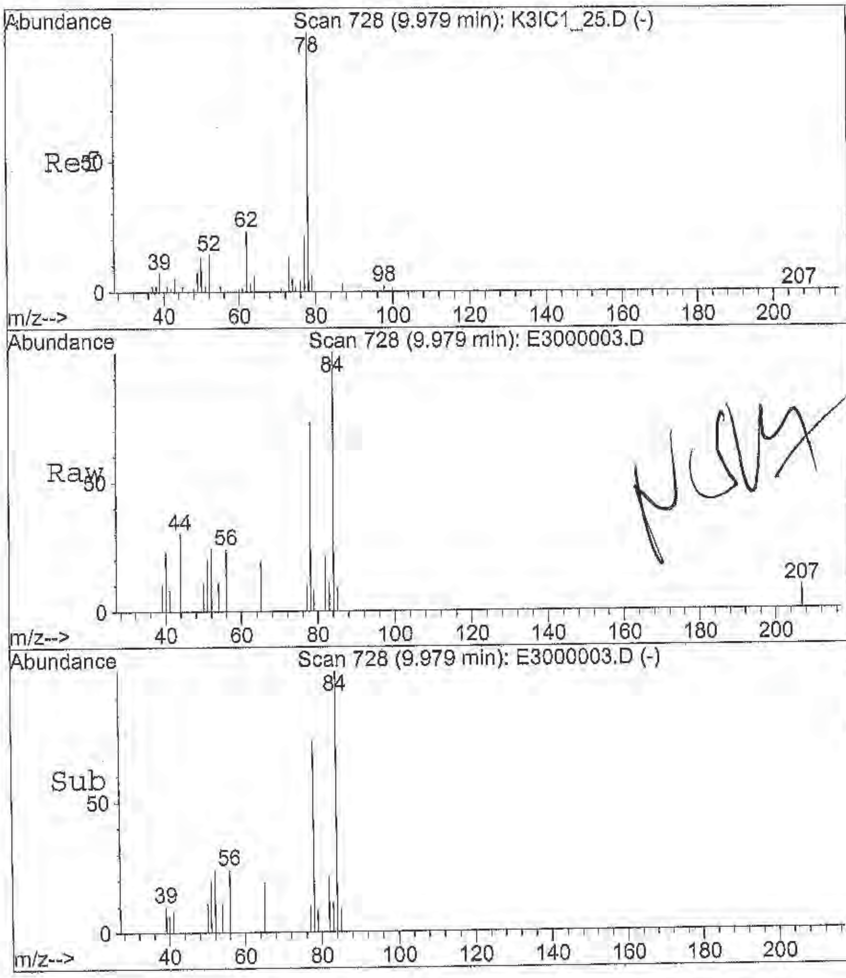


#29
1,1-Dichloropropene
Concen: 0.06 ug/L
RT: 9.93 min Scan# 722
Delta R.T. 0.25 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 75 Resp: 404

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	529.2	25.0	37.4#

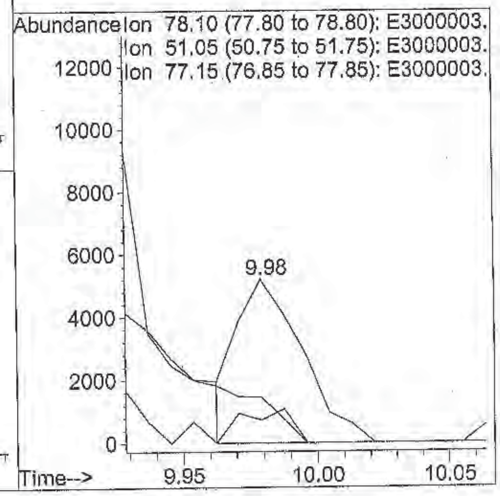


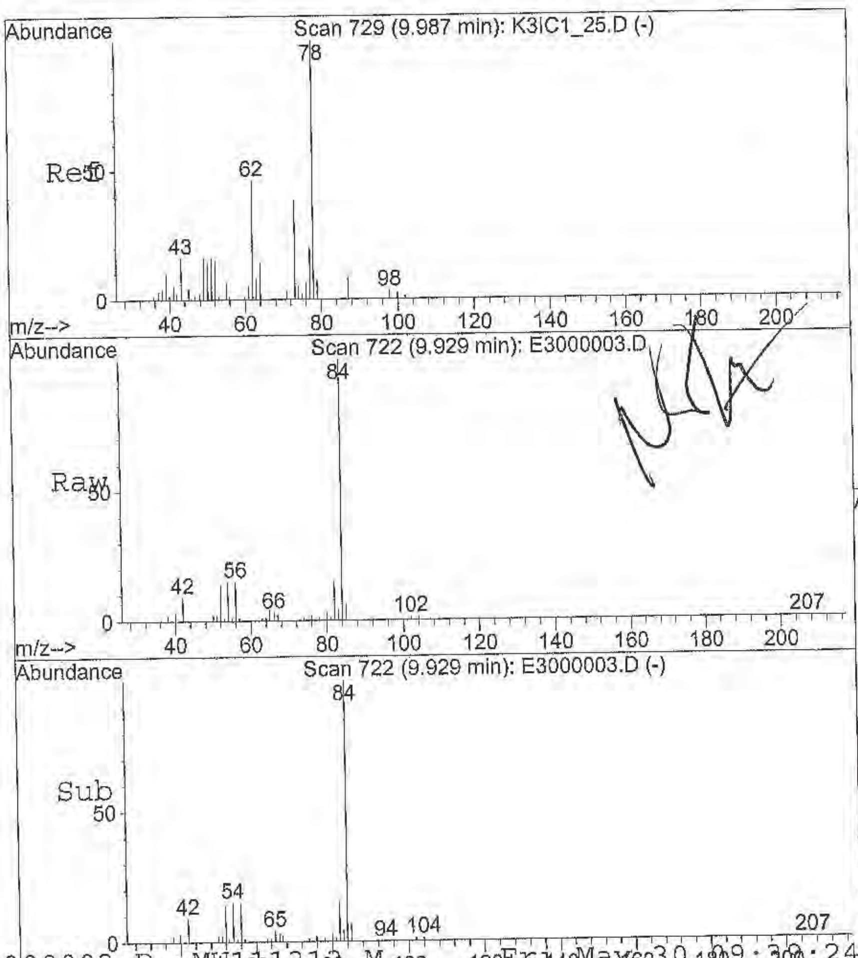


#31
Benzene
Concen: 0.57 ug/L
RT: 9.98 min Scan# 728
Delta R.T. 0.00 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 78 Resp: 8814

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	19.6	16.6	24.8

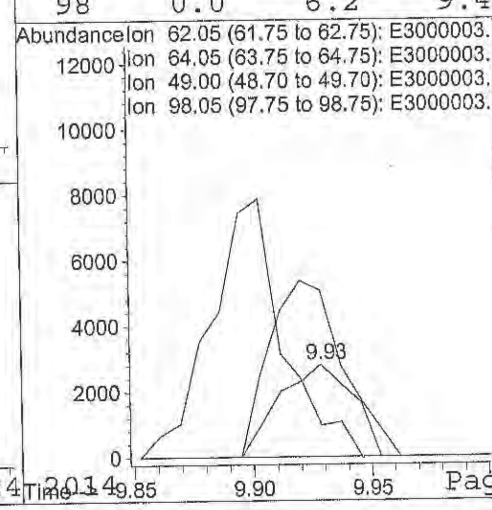


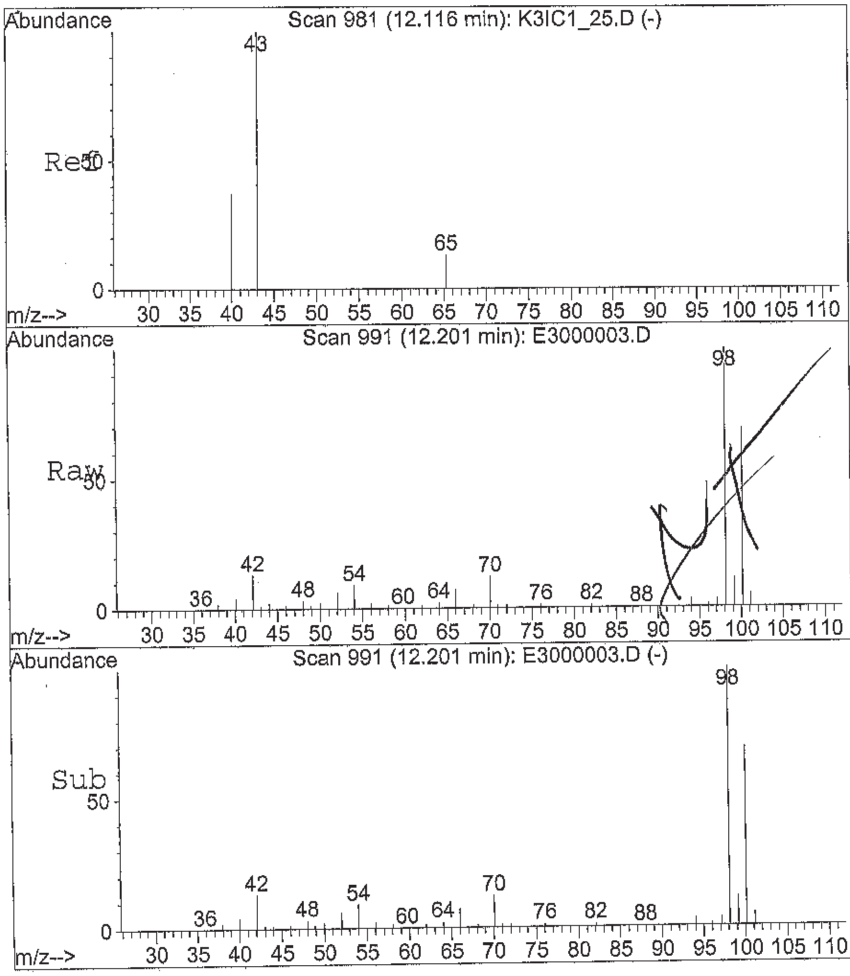


#32
1,2-Dichloroethane
Concen: 1.11 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 62 Resp: 6045

Ion	Ratio	Lower	Upper
62	100		
64	191.1	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

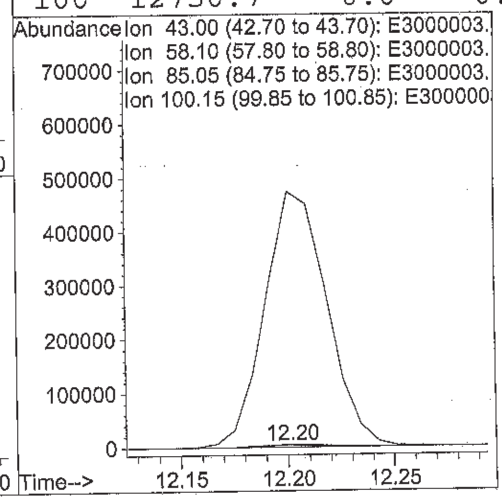


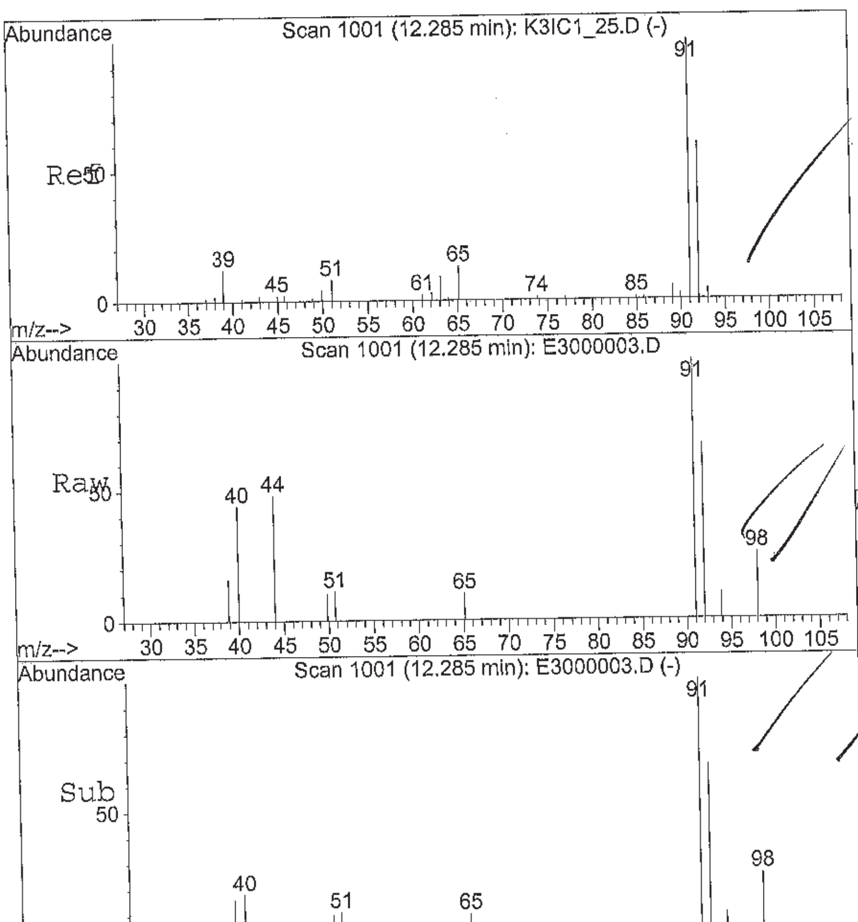


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.84 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 43 Resp: 7511

Ion	Ratio	Lower	Upper
43	100		
58	132.6	0.0	0.0#
85	0.0	0.0	0.0
100	12750.7	0.0	0.0#

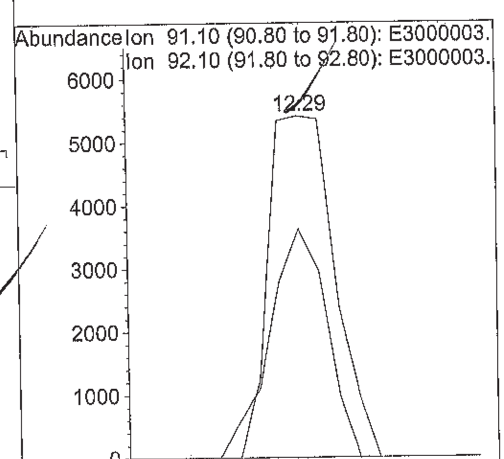


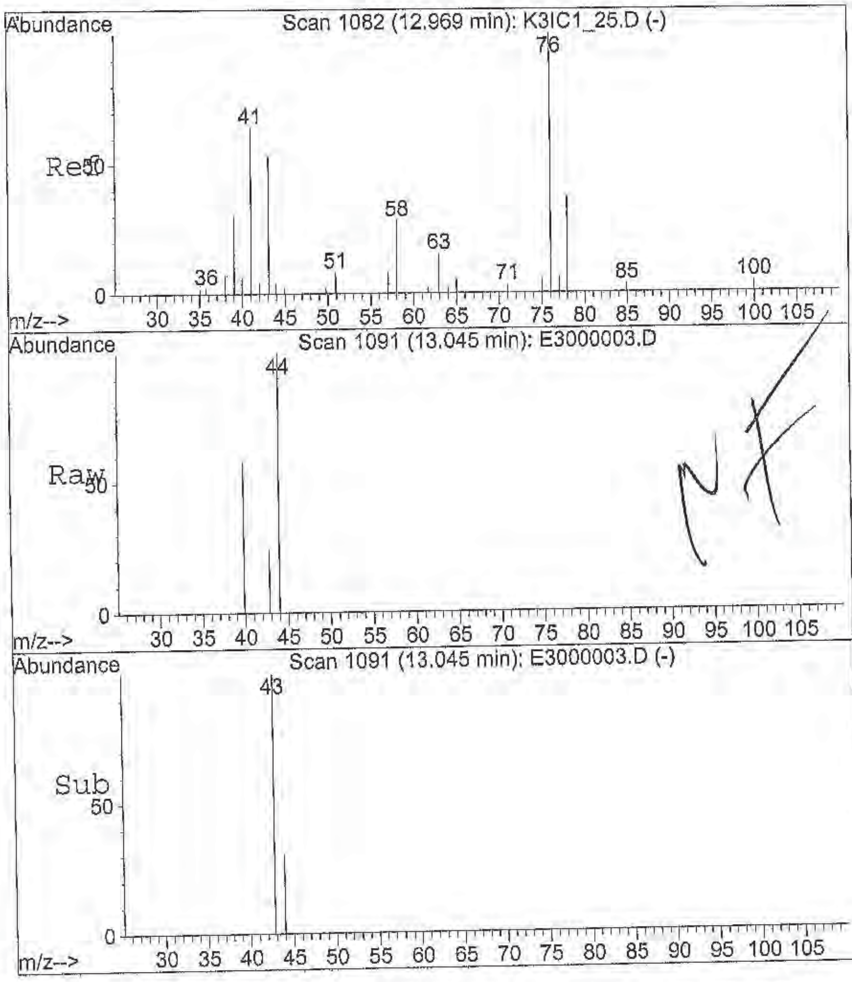


#41
Toluene
Concen: 0.58 ug/L
RT: 12.29 min Scan# 1001
Delta R.T. 0.00 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 91 Resp: 10481

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.4	71.0

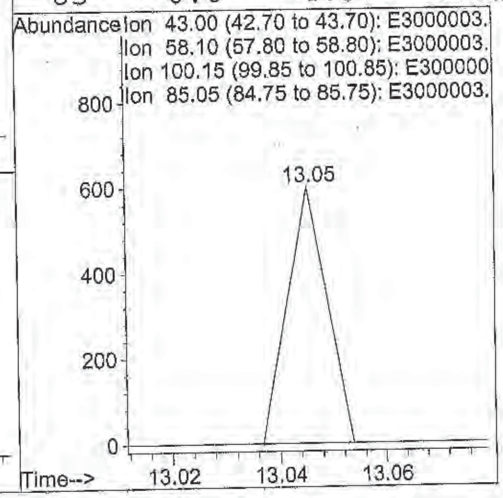




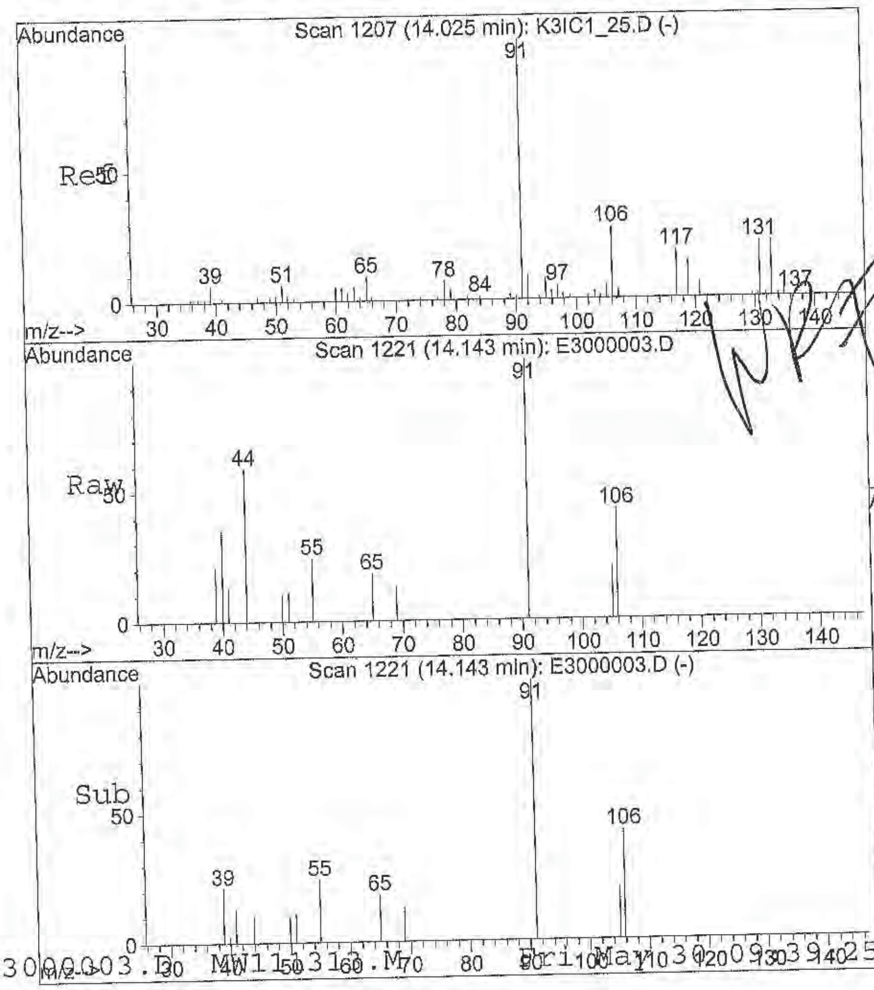
#46
2-Hexanone
Concen: 0.10 ug/L
RT: 13.05 min Scan# 1091
Delta R.T. 0.08 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 43 Resp: 304

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#



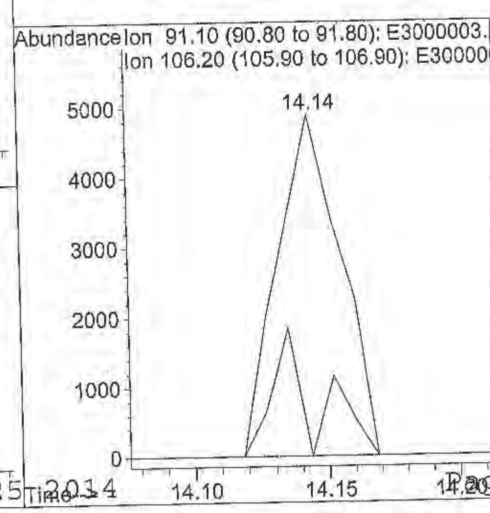
NX



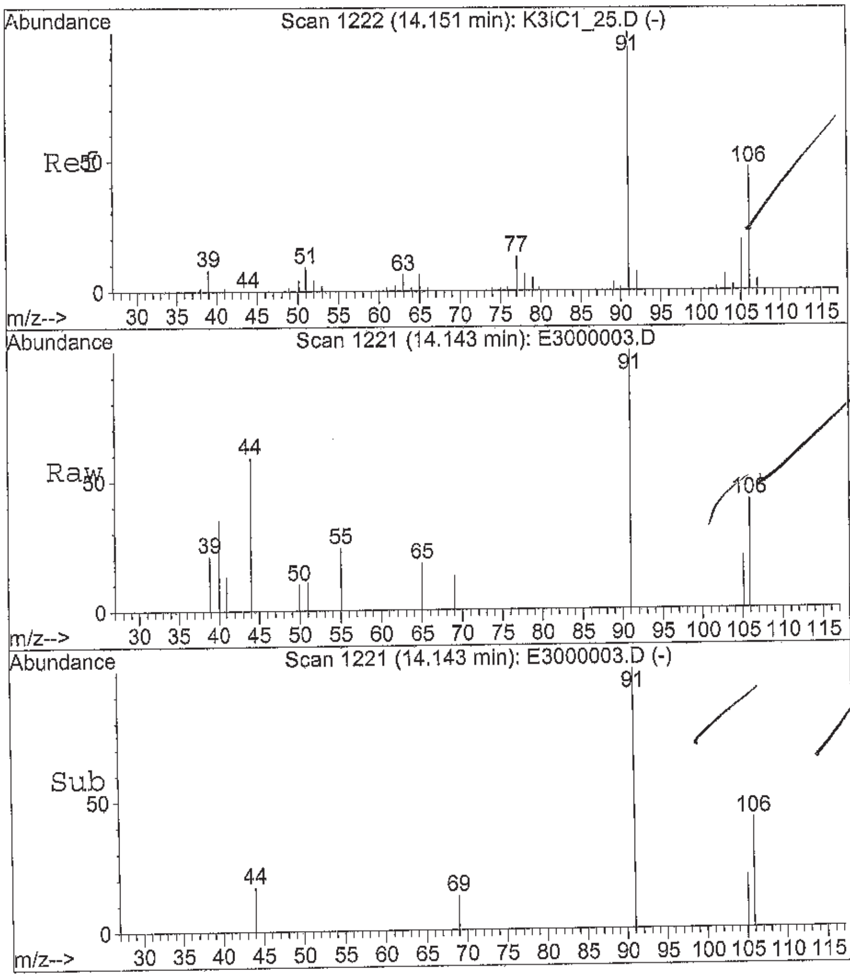
#51
Ethylbenzene
Concen: 0.39 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. 0.12 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 91 Resp: 8060

Ion	Ratio	Lower	Upper
91	100		
106	26.1	23.5	35.3

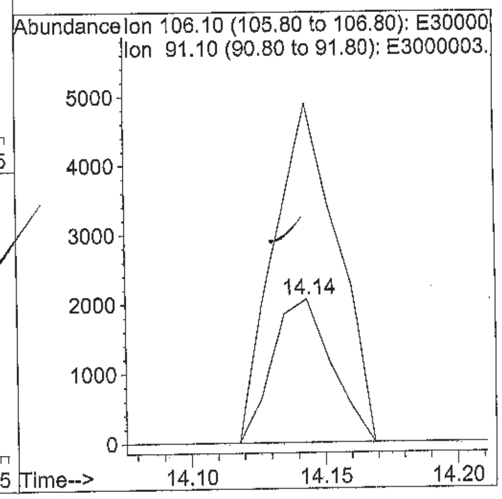


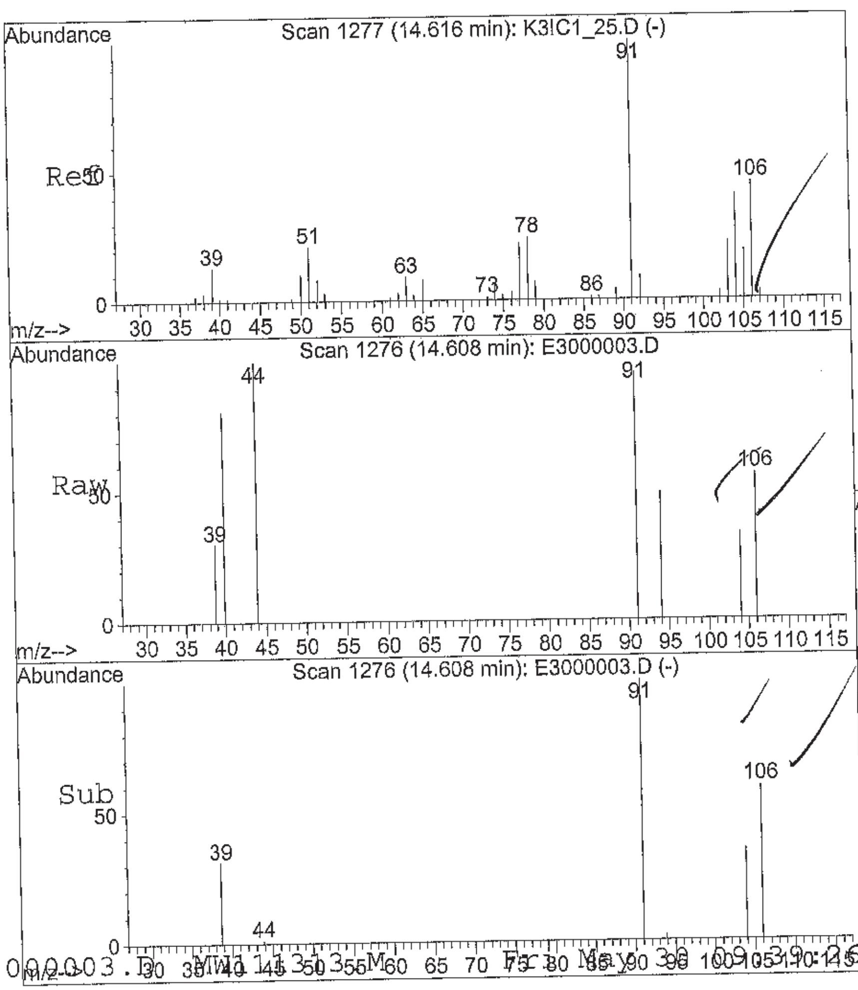
WRX



#52
m,p-Xylenes
Concen: 0.43 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

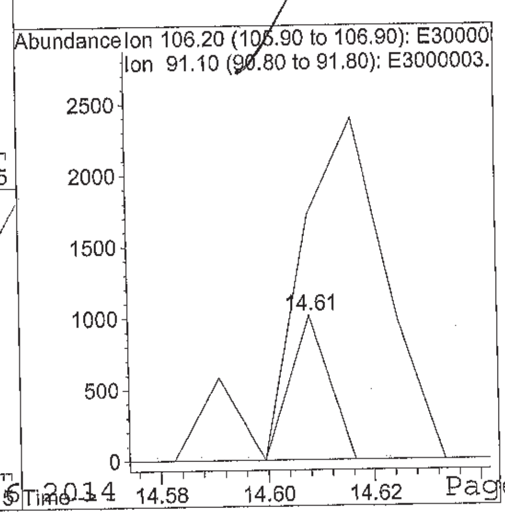
Tgt	Ion:106	Resp:	3150
Ion	Ratio	Lower	Upper
106	100		
91	255.9	177.1	265.7

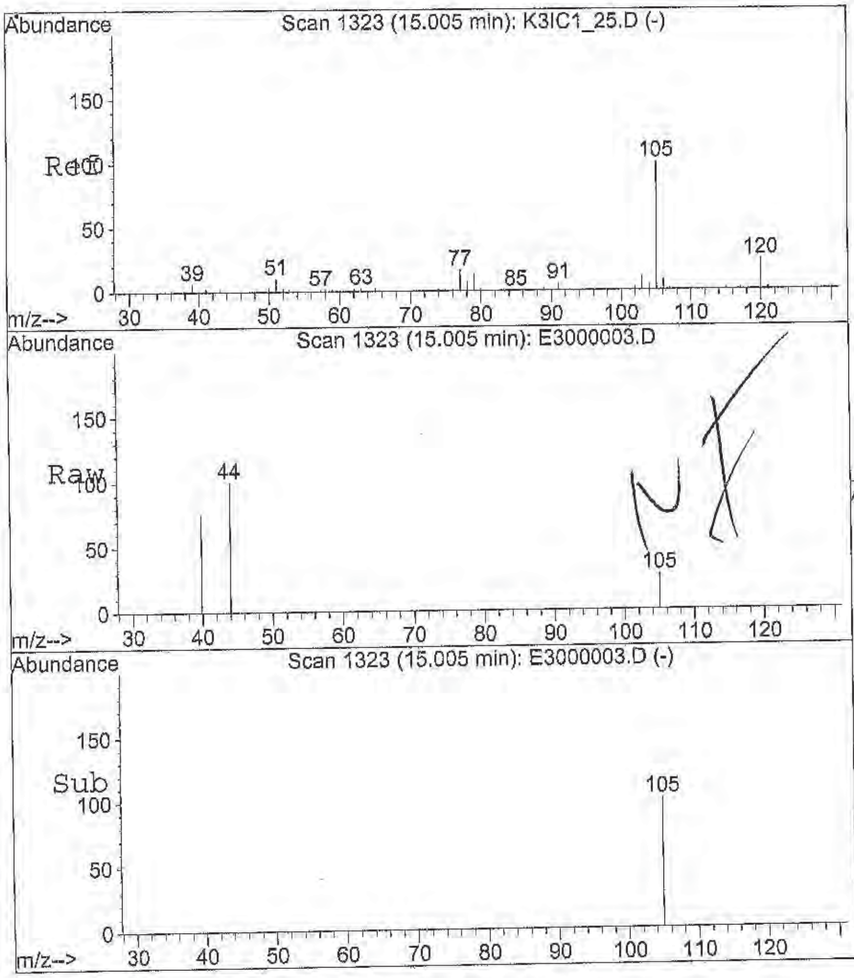




#53
o-Xylene
Concen: 0.07 ug/L
RT: 14.61 min Scan# 1276
Delta R.T. -0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

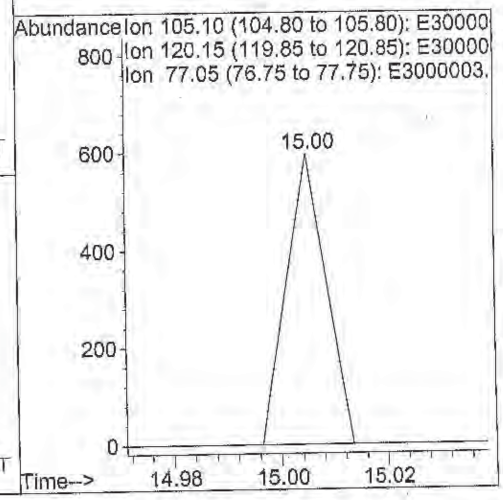
Tgt	Ion:106	Resp:	513
Ion	Ratio	Lower	Upper
106	100		
91	559.5	179.0	268.6#

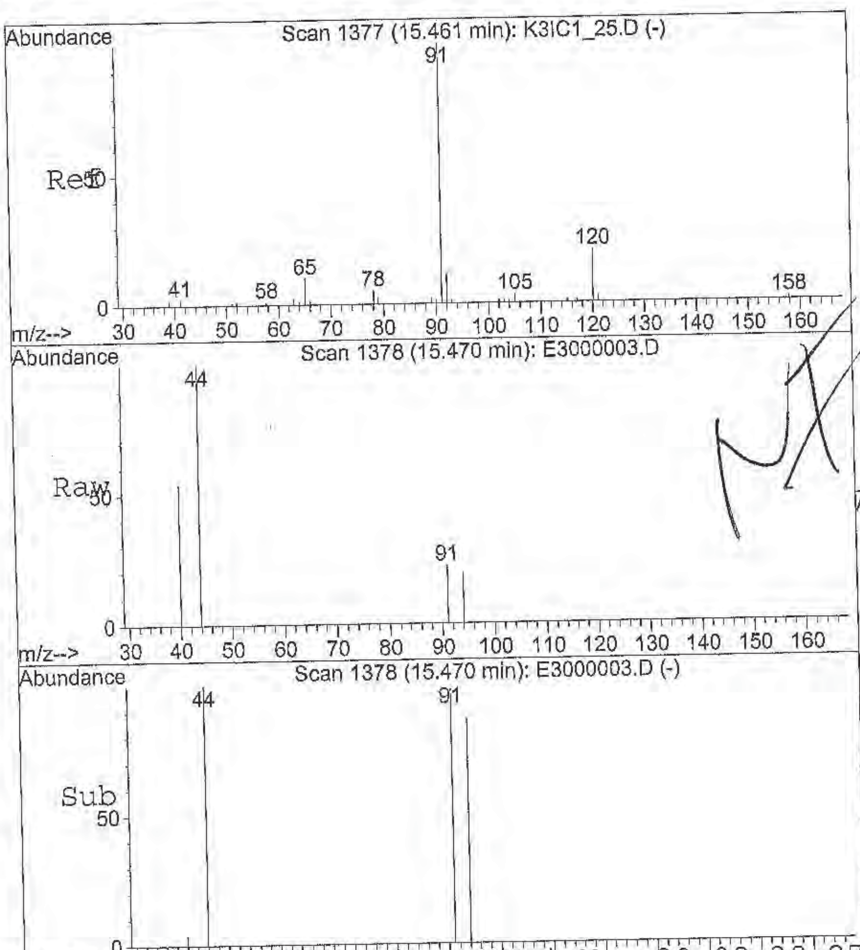




#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. 0.00 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

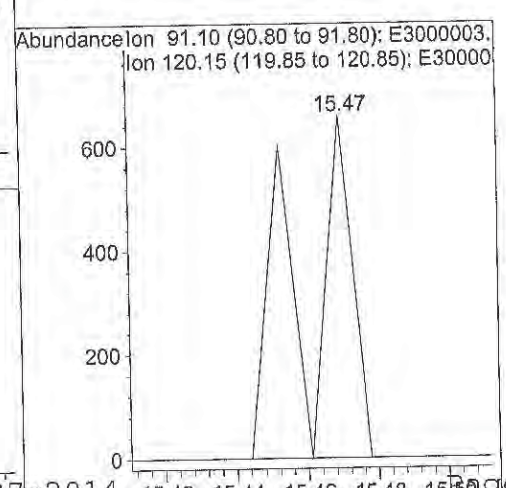
Tgt Ion:105	Resp:		303
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

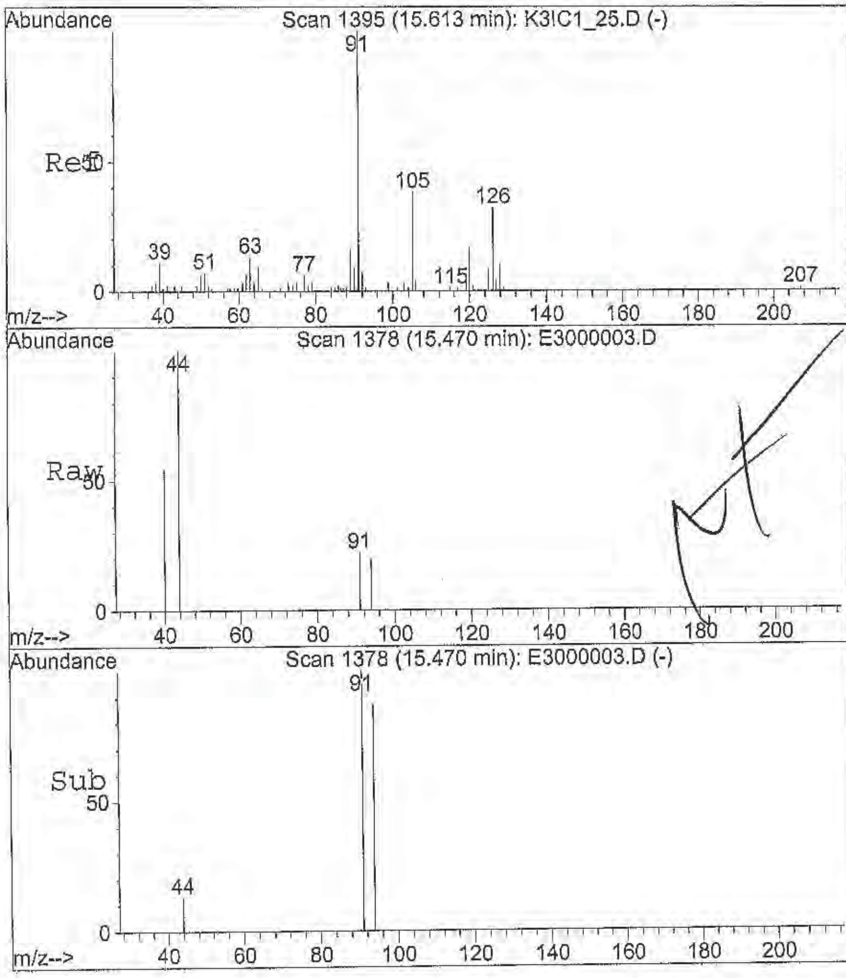




#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.47 min Scan# 1378
Delta R.T. 0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 91	Resp:		638
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

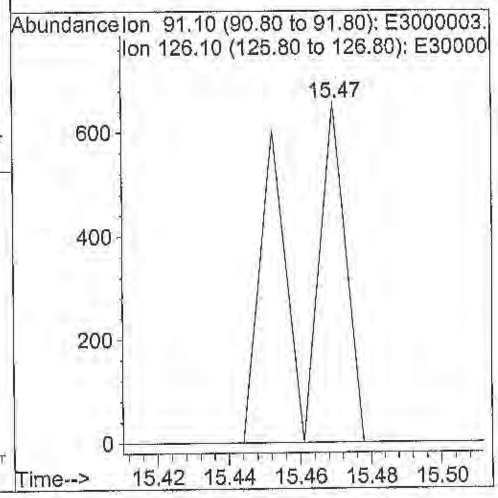


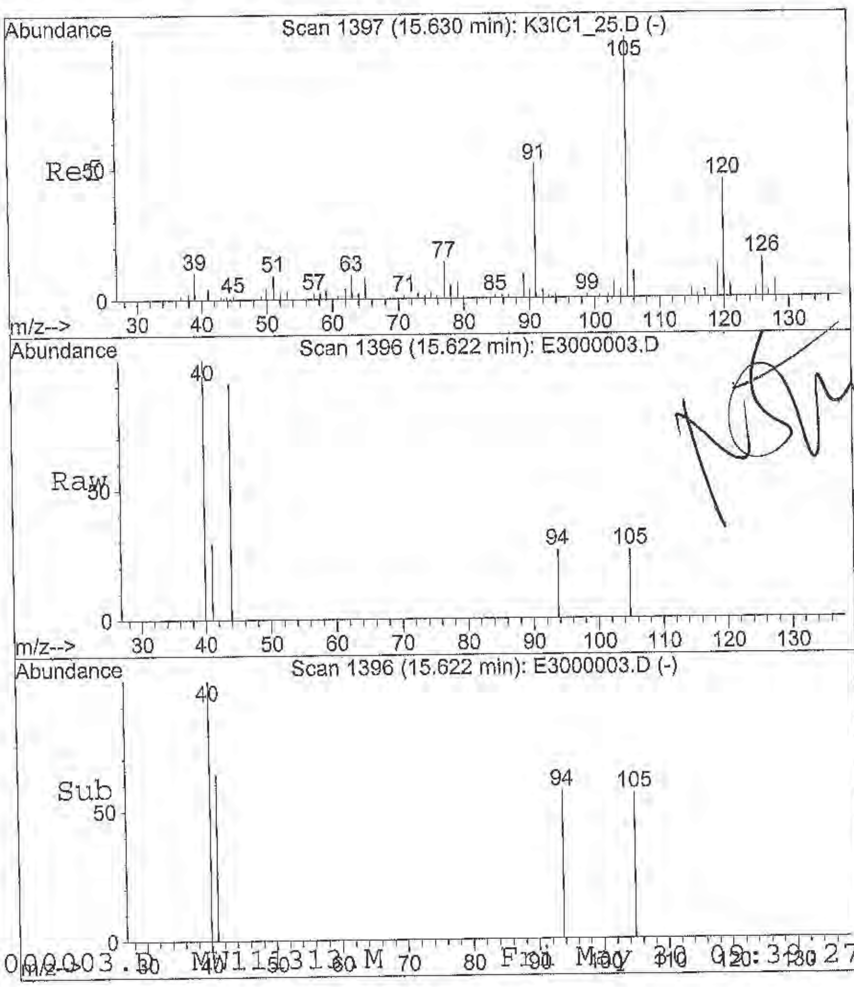


#63
2-Chlorotoluene
Concen: 0.04 ug/L
RT: 15.47 min Scan# 1378
Delta R.T. -0.14 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion: 91 Resp: 638

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

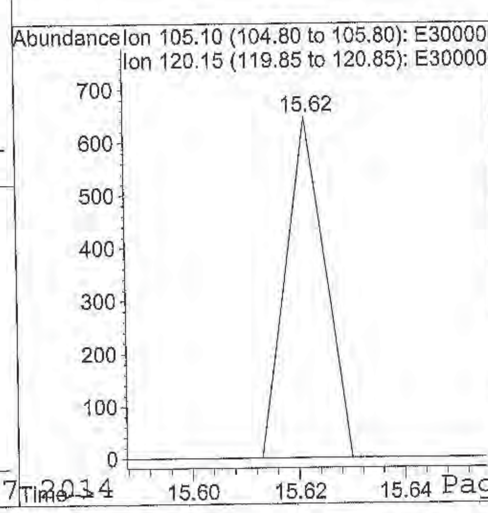


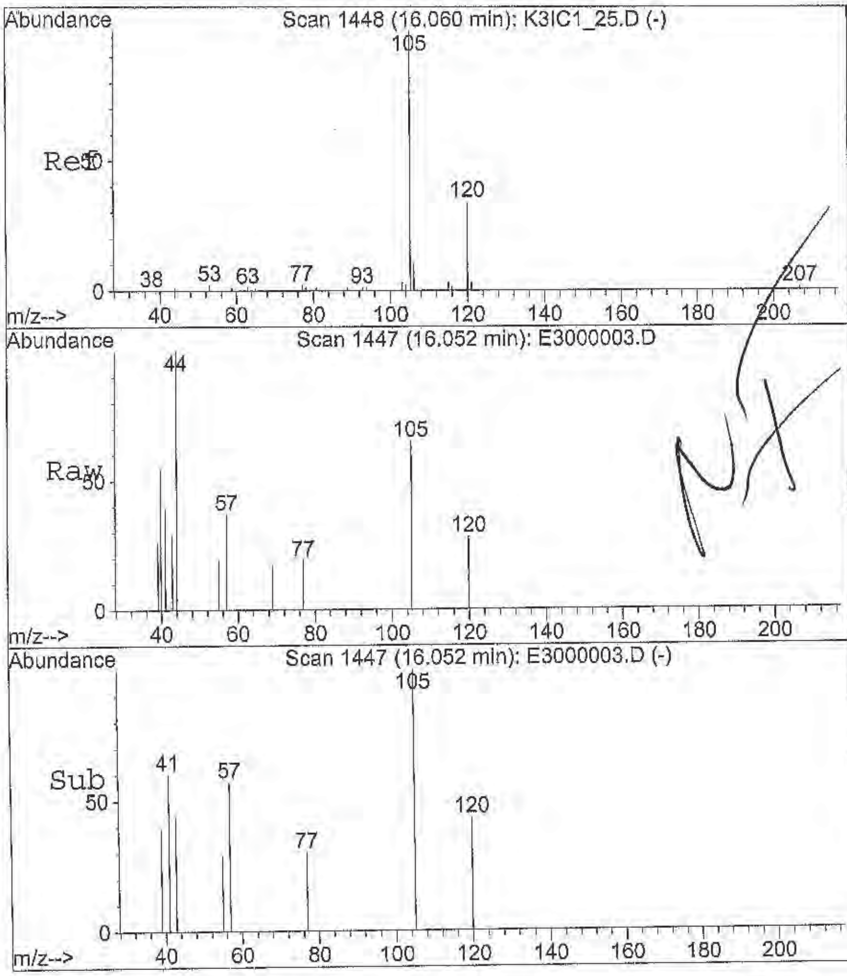


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion:105 Resp: 329

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

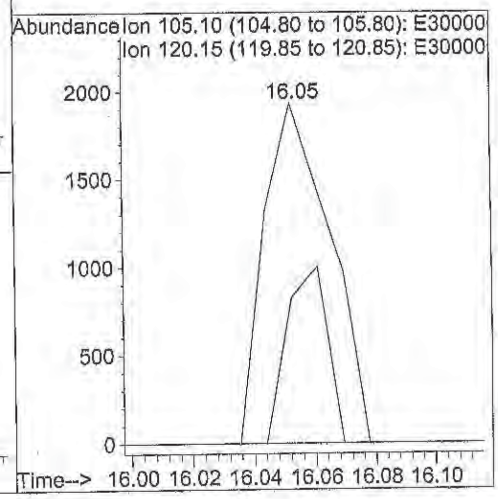


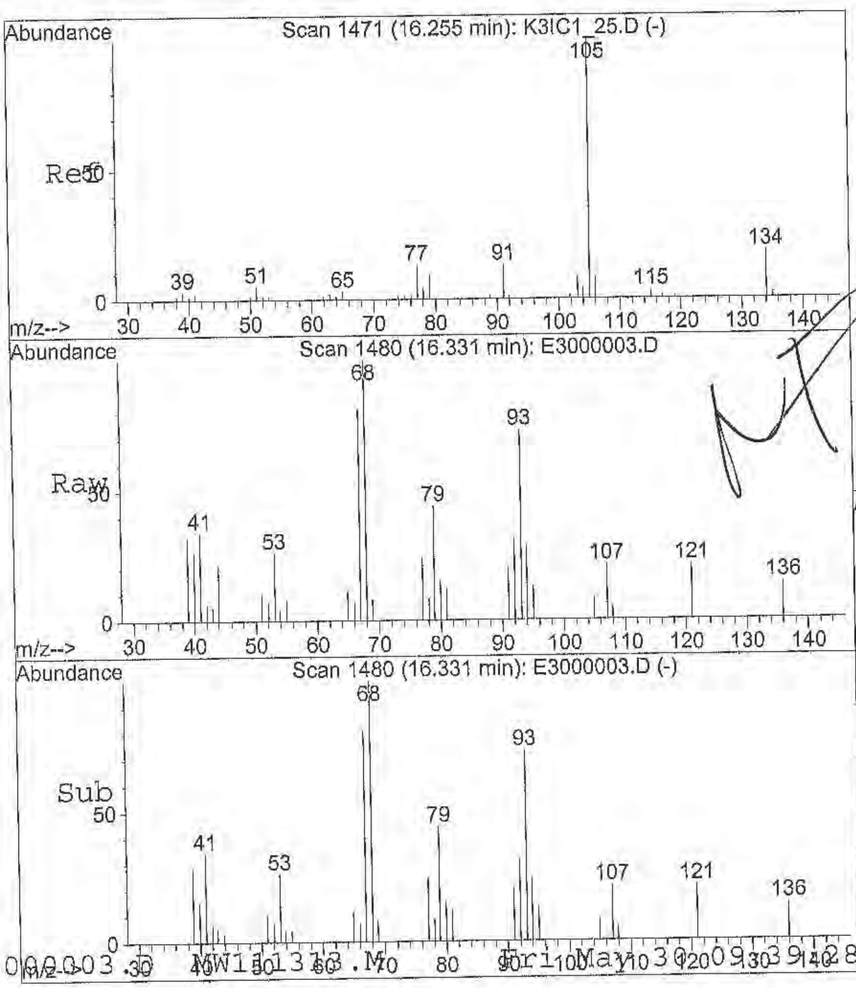


#67
1,2,4-Trimethylbenzene
Concen: 0.15 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. -0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion:105 Resp: 2877

Ion	Ratio	Lower	Upper
105	100		
120	32.2	33.8	50.8#

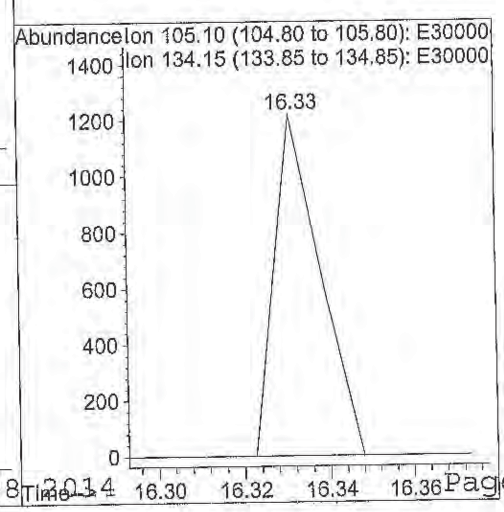


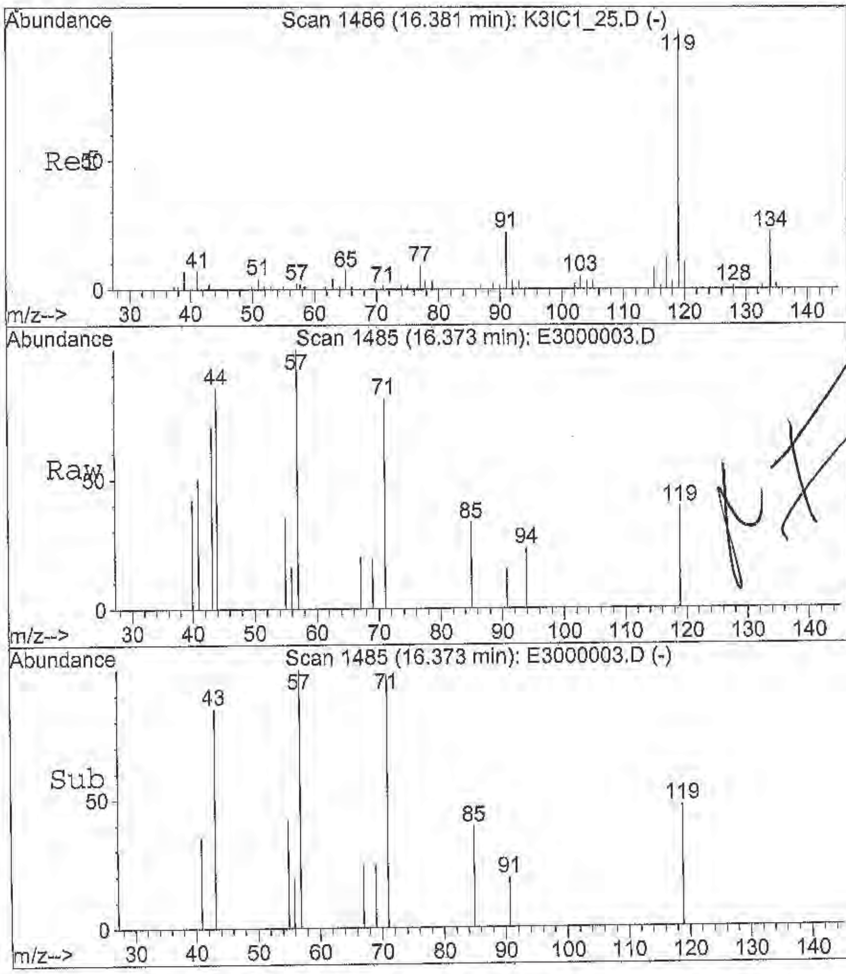


#68
sec-Butylbenzene
Concen: 0.04 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion:105 Resp: 905

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

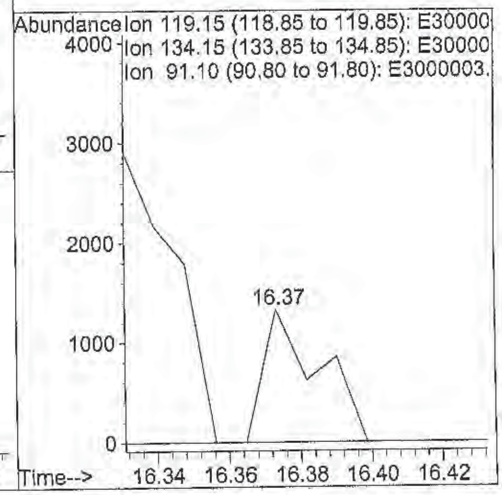




#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: E3000003.D
Acq: 30 May 2014 9:18 am

Tgt Ion:119 Resp: 1417

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000003.D Vial: 2
Acq On : 30 May 2014 9:18 am Operator: DN
Sample : 34E3001-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:38 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1638509	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1326871	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	721605	12.50	ug/L	0.00

System Monitoring Compounds

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	464855	10.91	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.28%			
3) Chloroform-d (SU6)	9.19	84	695791	11.38	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 91.04%			
4) Methylene Chloride-d2 (SU5	7.07	86	407854	11.41	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 91.28%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	444266	15.26	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 122.08%			
6) Benzene-d6 (SU7)	9.93	84	1345847	10.47	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 83.76%			
8) Toluene-d8 (SU3)	12.20	98	1446994	11.49	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.92%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	731976	14.09	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 112.72%			

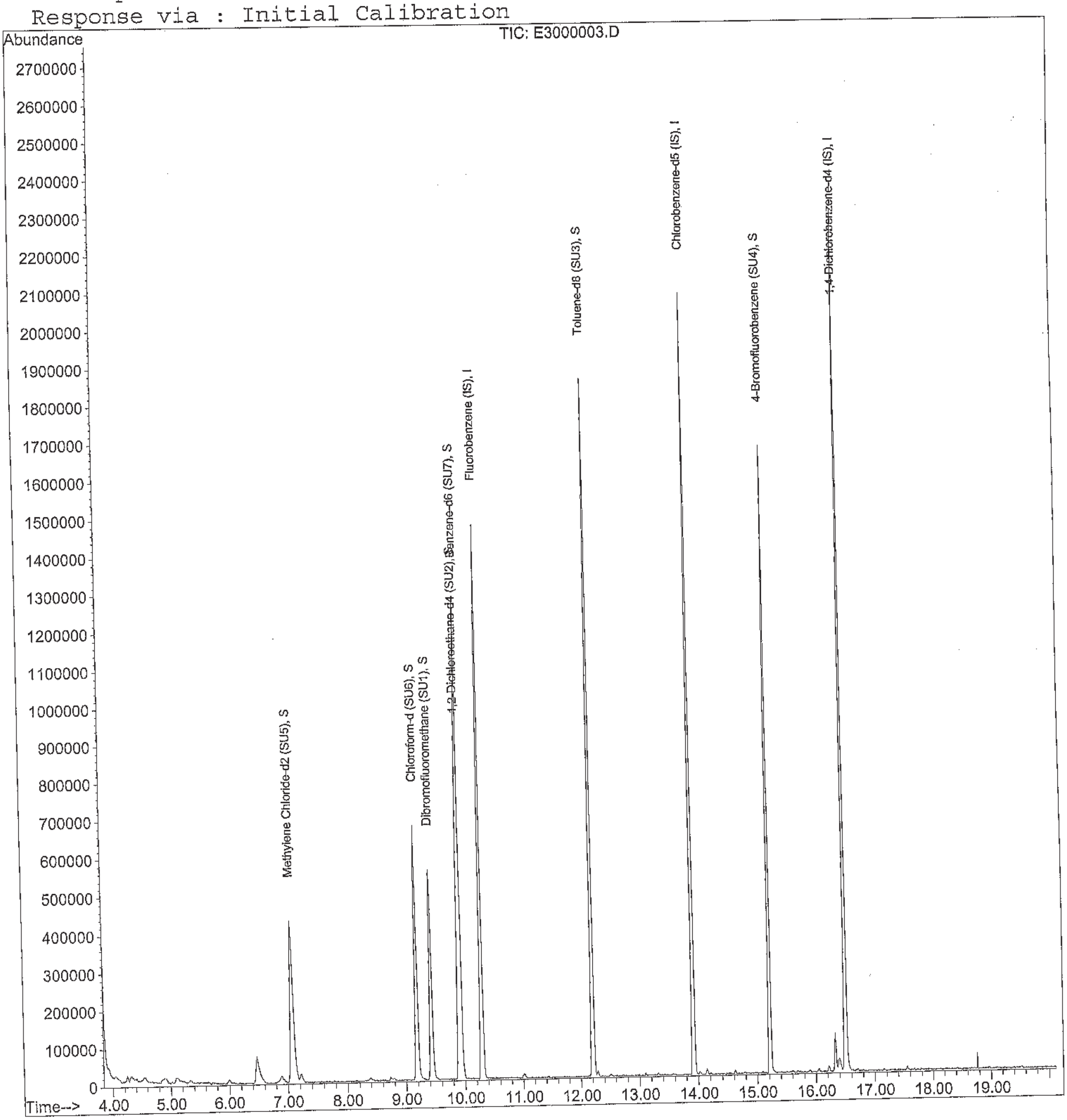
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000003.D          Vial: 2
Acq On    : 30 May 2014   9:18 am                      Operator: DN
Sample    : 34E3001-DUP1                               Inst    : GC/MS Ins
Misc      : 100cc  SVL-546-SA5D-SV-5.0-6.0             Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30  9:38 19114                Quant Results File: SS072713.RES

Method          : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title           : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update     : Mon Nov 18 10:31:39 2013
Response via    : Initial Calibration
```



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION
LABORATORY CONTROL SAMPLES

Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS01.D          Vial: 10
Acq On    : 30 May 2014   6:49 am                     Operator: DN
Sample    : 34E3001-BS1                               Inst    : GC/MS Ins
Misc      : 20cc  1.25/2.5/12.5 ug/L LCS              Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30  7:23 19114                 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.30	96	1477084	12.50 ug/L	0.01
38) Chlorobenzene-d5 (IS)	13.93	117	1081008	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	551762	12.50 ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.44	113	424798	11.53 ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.24%	
28) 1,2-Dichloroethane-d4 (SU2	9.91	65	425346	12.15 ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	97.20%	
39) Toluene-d8 (SU3)	12.21	98	1277325	12.67 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	101.36%	
58) 4-Bromofluorobenzene (SU4)	15.23	95	559498	12.65 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	101.20%	

Target Compounds					Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	48982	1.35 ug/L	97
4) Chloromethane	4.47	50	34624	1.28 ug/L	89
5) Vinyl Chloride	4.60	62	29650	1.14 ug/L	84
6) Bromomethane	5.17	96	24649	1.34 ug/L	83
7) Chloroethane	5.28	64	16104	1.40 ug/L	76
8) (F11) Trichlorofluorometha	5.67	101	53288	1.31 ug/L	96
9) (F113) 1,1,2-Trichloro-tri	6.38	151	36637	1.26 ug/L	99
10) 1,1-Dichloroethene	6.44	96	50065	1.44 ug/L	97
11) Acetone	6.47	58	33086	-12.50 ug/L	72
12) (IPA) Leak Check Compound	6.54	45	283731	159.85 ug/L	98
13) Carbon disulfide	6.87	76	155531	1.27 ug/L	97
14) Methylene Chloride	7.11	84	52656	1.30 ug/L #	92
15) (TBA) tert-Butanol	7.09	59	9396	3.73 ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	116472	1.39 ug/L	98
17) trans-1,2-Dichloroethene	7.49	96	48917	1.23 ug/L	87
18) 1,1-Dichloroethane	8.08	63	70655	1.06 ug/L	96
19) cis-1,2-Dichloroethene	8.84	96	57820	1.25 ug/L	88
20) 2,2-Dichloropropane	8.83	77	901	0.02 ug/L #	29
21) (MEK) 2-Butanone	8.81	72	11282	2.72 ug/L	69
22) (DIPE) Diisopropyl Ether	8.02	45	155599	1.35 ug/L	98
23) Bromochloromethane	9.18	128	24082	1.22 ug/L	85
24) Chloroform	9.22	83	93329	1.21 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS01.D Vial: 10
Acq On : 30 May 2014 6:49 am Operator: DN
Sample : 34E3001-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 7:23 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	(ETBE) 2-ethoxy 2-methyl p	8.51	59	118363	1.11 ug/L	#	98
26)	1,1,1-Trichloroethane	9.51	97	62736	1.03 ug/L		96
27)	(TAME) tert-Amyl methyl et	10.01	73	104254	1.12 ug/L		97
29)	1,1-Dichloropropene	9.69	75	66529	1.17 ug/L		95
30)	Carbon Tetrachloride	9.72	117	49762	1.00 ug/L		90
31)	Benzene	9.99	78	171661	1.23 ug/L	#	91
32)	1,2-Dichloroethane	10.01	62	62852	1.28 ug/L		98
33)	Trichloroethene	10.75	130	56219	1.25 ug/L		96
34)	1,2-Dichloropropane	11.05	63	44112	1.33 ug/L	#	78
35)	Dibromomethane	11.22	93	35682	1.37 ug/L		96
36)	Bromodichloromethane	11.36	83	62140	1.19 ug/L		96
37)	cis-1,3-Dichloropropene	11.88	75	64187	1.13 ug/L		94
40)	(MIBK) 4-Methyl-2-Pentanon	12.13	43	28749	1.33 ug/L	#	100
41)	Toluene	12.30	91	176127	1.20 ug/L		96
42)	trans-1,3-Dichloropropene	12.52	75	51375	1.06 ug/L		78
43)	1,1,2-Trichloroethane	12.76	83	36852	1.39 ug/L	#	86
44)	Tetrachloroethene	12.95	164	58310	1.13 ug/L		95
45)	1,3-Dichloropropane	12.97	76	66754	1.32 ug/L		100
46)	2-Hexanone	12.98	43	67556	2.86 ug/L	#	95
47)	Dibromochloromethane	13.26	129	48910	1.29 ug/L	#	99
48)	1,2-Dibromoethane	13.44	107	52017	1.51 ug/L		99
49)	Chlorobenzene	13.96	112	132861	1.34 ug/L		97
50)	1,1,1,2-Tetrachloroethane	14.03	131	43733	1.24 ug/L		95
51)	Ethylbenzene	14.03	91	214205	1.28 ug/L		99
52)	m,p-Xylenes	14.15	106	156815	2.63 ug/L		100
53)	o-Xylene	14.62	106	76832	1.30 ug/L		97
54)	Styrene	14.64	104	130786	1.54 ug/L		95
55)	Bromoform	14.91	173	31335	1.45 ug/L	#	96
56)	Isopropylbenzene	15.01	105	212799	1.32 ug/L		99
57)	1,2,3-Trichloropropane	15.43	75	77766	1.77 ug/L	#	1
60)	1,1,2,2-Tetrachloroethane	15.35	83	65882	1.66 ug/L		96
61)	Bromobenzene	15.45	156	55324	1.28 ug/L		96
62)	n-Propylbenzene	15.46	91	266664	1.20 ug/L		99
63)	2-Chlorotoluene	15.62	91	178461	1.30 ug/L		99
64)	1,3,5-Trimethylbenzene	15.63	105	177178	1.29 ug/L		97
65)	4-Chlorotoluene	15.73	91	169515	1.34 ug/L		100
66)	tert-Butylbenzene	16.02	119	142386	1.22 ug/L		93

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS01.D Vial: 10
Acq On : 30 May 2014 6:49 am Operator: DN
Sample : 34E3001-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 7:23 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

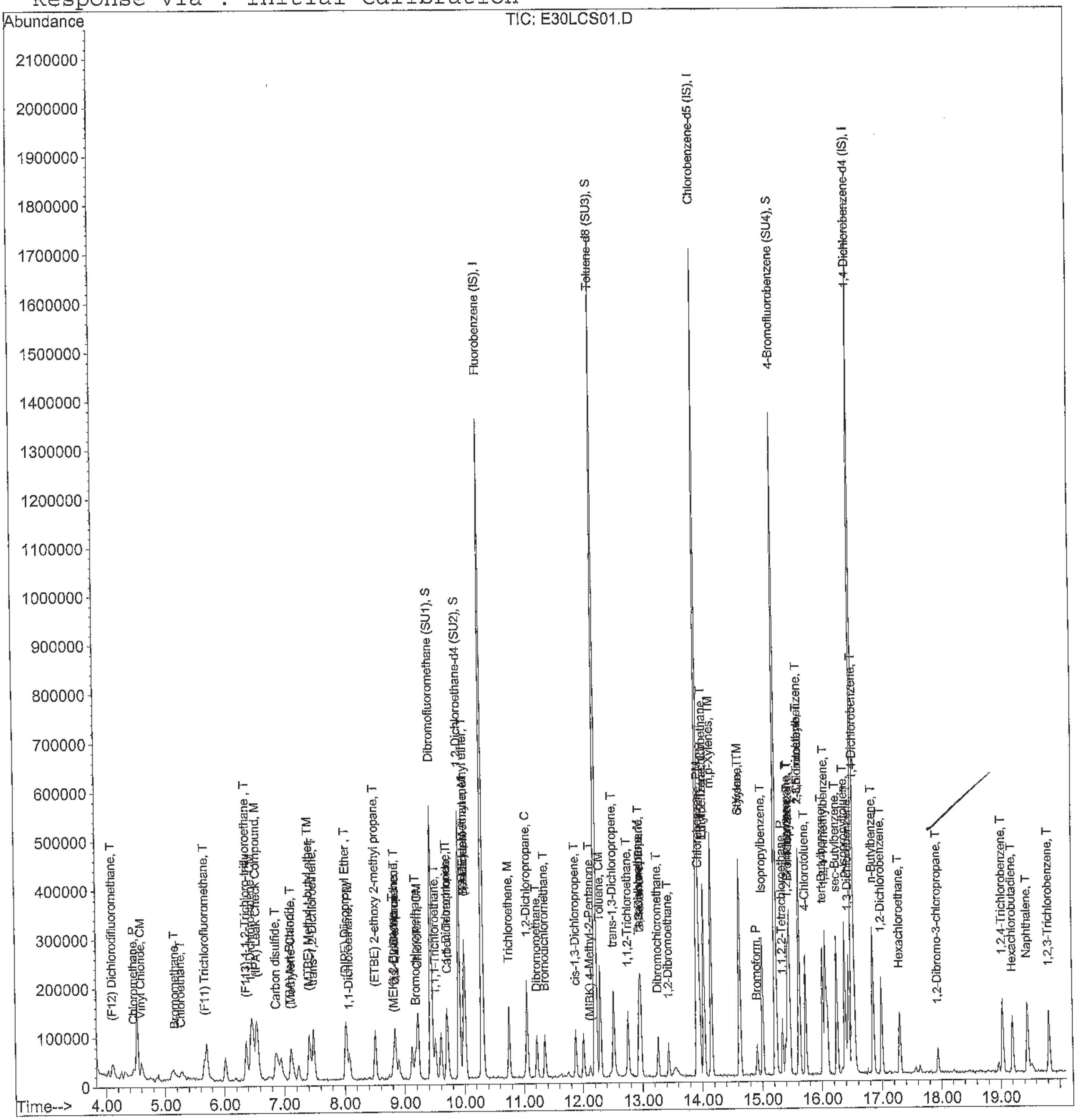
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
67)	1,2,4-Trimethylbenzene	16.06	105	174855	1.22 ug/L		92
68)	sec-Butylbenzene	16.26	105	231545	1.25 ug/L		100
69)	p-Isopropyltoluene	16.38	119	179107	1.19 ug/L		96
70)	1,3-Dichlorobenzene	16.45	146	113995	1.40 ug/L		96
71)	1,4-Dichlorobenzene	16.55	146	106167	1.30 ug/L		98
72)	n-Butylbenzene	16.85	91	200743	1.27 ug/L		98
73)	1,2-Dichlorobenzene	16.99	146	96697	1.33 ug/L		98
74)	1,2-Dibromo-3-chloropropan	17.94	75	14251	2.29 ug/L	#	70
75)	1,2,4-Trichlorobenzene	19.04	180	64775	1.32 ug/L		96
76)	Hexachlorobutadiene	19.21	225	29298	1.32 ug/L		99
77)	Naphthalene	19.46	128	170361	1.56 ug/L		100
78)	Hexachloroethane	17.31	201	19980	1.25 ug/L		94
79)	1,2,3-Trichlorobenzene	19.82	180	59064	1.26 ug/L		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS01.D
Vial: 10
Acq On : 30 May 2014 6:49 am
Operator: DN
Sample : 34E3001-BS1
Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 7:23 19114
Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



Raw Data for QC Samples and Initial Calibration Blank

Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30BLK01.D          Vial: 11
Acq On    : 30 May 2014   7:45 am                      Operator: DN
Sample    : 34E3001-BLK1                               Inst    : GC/MS Ins
Misc      : 100cc  AMBIENT AIR/H20                     Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30  8:30 19114               Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1622577	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1329092	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	724181	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	460269	11.37	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	=	90.96%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	451512	11.74	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	93.92%	
39) Toluene-d8 (SU3)	12.21	98	1433560	11.56	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	92.48%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	730091	13.43	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	107.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.40	50	2244	-0.40	~~ug/L~~ #	41
6) Bromomethane	5.12	96	3140	-0.02	~~ug/L~~ #	70
7) Chloroethane	5.00	64	1490	1.79	~~ug/L~~	92
11) Acetone	6.48	58	10268	12.14	~~ug/L~~	73
12) (IPA) Leak Check Compound	6.49	45	145301	745.23	~~ug/L~~ #	83
14) Methylene Chloride	7.09	84	4882	1.10	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.93	59	271	0.98	~~ug/L~~ #	77
24) Chloroform	9.21	83	5264	0.62	~~ug/L~~ #	18
29) 1,1-Dichloropropene	9.92	75	332	0.05	~~ug/L~~ #	1
31) Benzene	9.99	78	297	0.02	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.93	62	6024	1.12	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	8465	3.19	~~ug/L~~ #	100
41) Toluene	12.29	91	4316	0.24	ug/L 0.0048	99
46) 2-Hexanone	12.97	43	1032	0.35	~~ug/L~~ #	37
51) Ethylbenzene	14.04	91	1520	0.07	~~ug/L~~ #	45
54) Styrene	14.63	104	1534	-0.73	~~ug/L~~ #	66
56) Isopropylbenzene	15.23	105	1799	0.09	~~ug/L~~ #	1
62) n-Propylbenzene	15.47	91	915	0.03	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.47	91	915	0.05	~~ug/L~~ #	45
67) 1,2,4-Trimethylbenzene	16.07	105	337	0.02	~~ug/L~~ #	33
68) sec-Butylbenzene	16.34	105	264	0.01	~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	1722	0.09	~~ug/L~~ #	69

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E30BLK01.D Vial: 11
Acq On : 30 May 2014 7:45 am Operator: DN
Sample : 34E3001-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 8:30 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Naphthalene	19.46	128	2096	0.15 ~~ug/L~~ NT	100

(#) = qualifier out of range (m) = manual integration

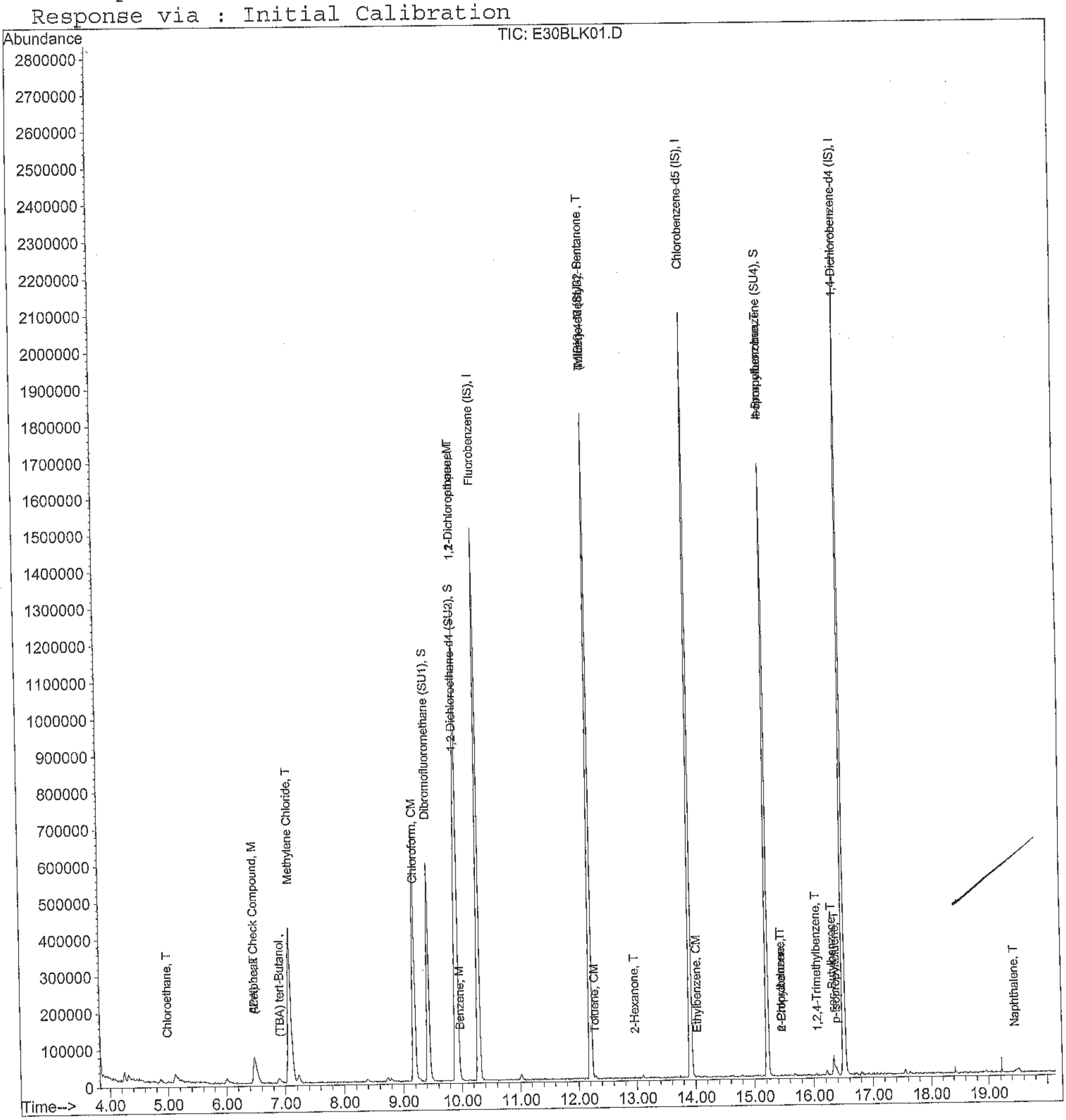
Quantitation Report

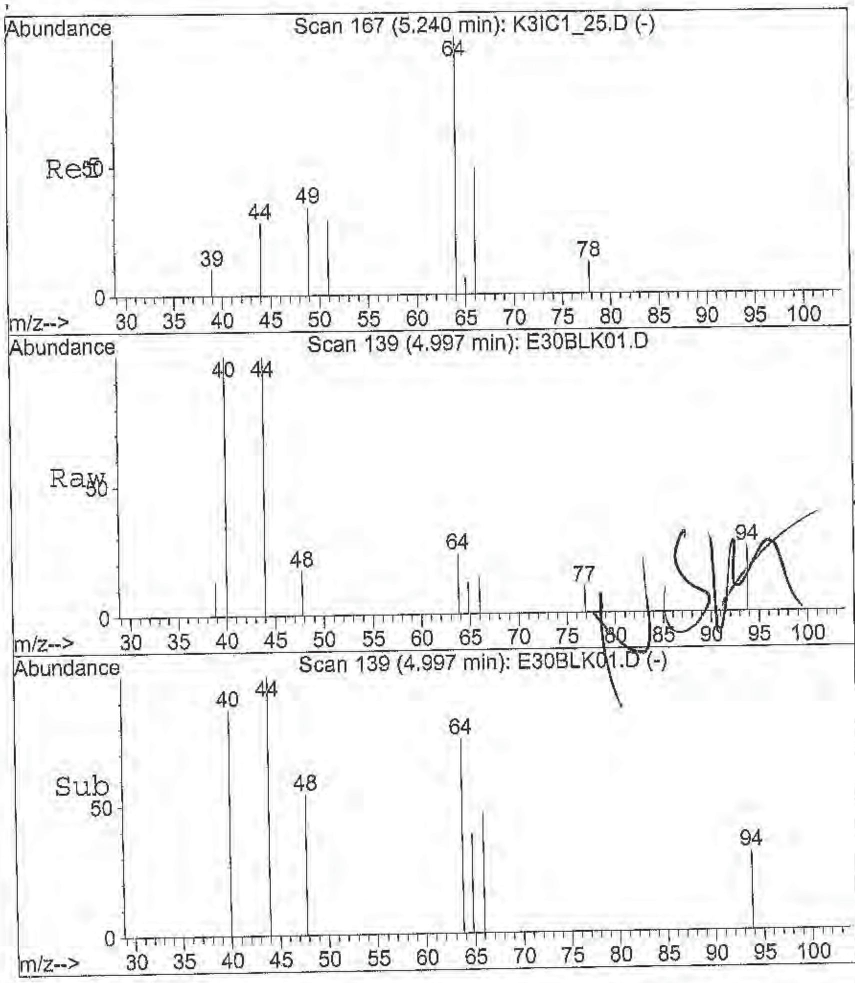
Data File : C:\HPCHEM\1\DATA\053014L3\E30BLK01.D
Acq On : 30 May 2014 7:45 am
Sample : 34E3001-BLK1
Misc : 100cc AMBIENT AIR/H20
MS Integration Params: rteint.p
Quant Time: May 30 8:30 19114

Vial: 11
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

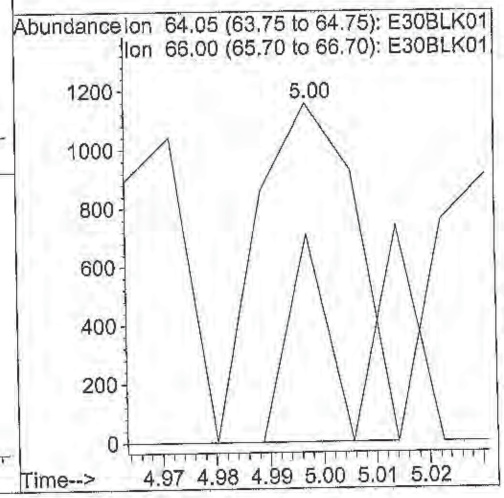


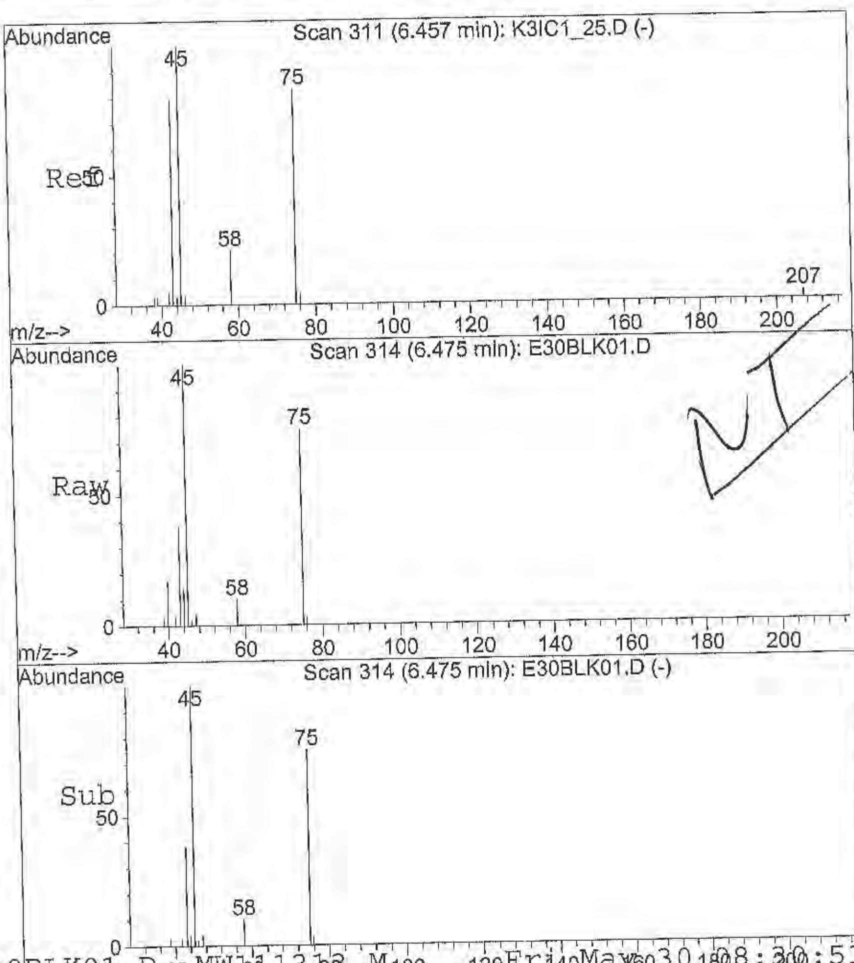


#7
Chloroethane
Concen: 1.79 ug/L
RT: 5.00 min Scan# 139
Delta R.T. -0.24 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 64 Resp: 1490

Ion	Ratio	Lower	Upper
64	100		
66	49.1	35.4	53.0

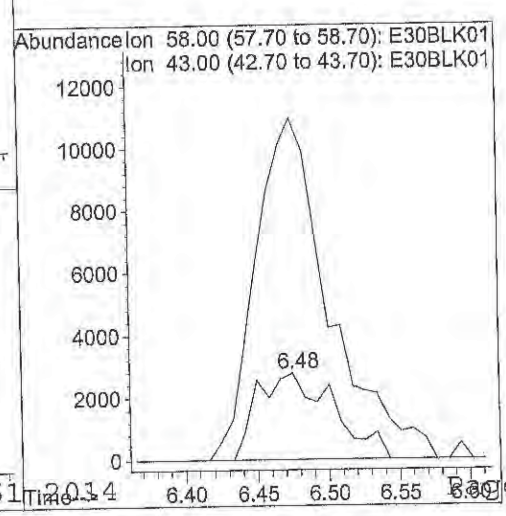


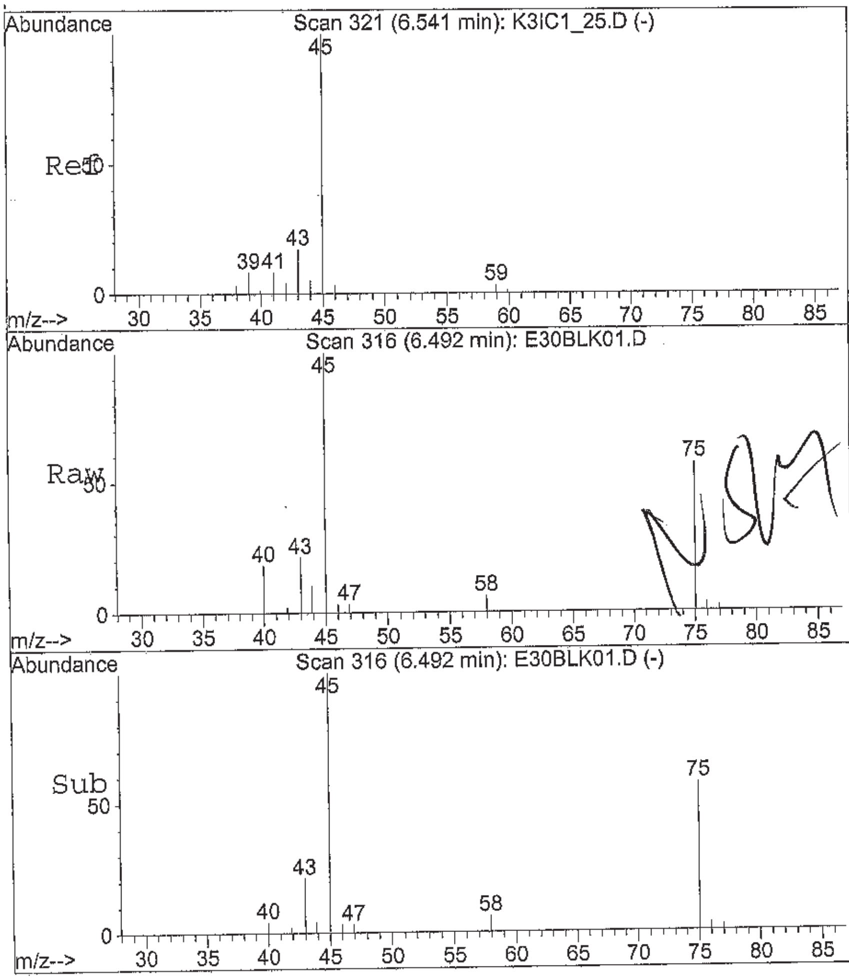


#11
Acetone
Concen: 12.14 ug/L
RT: 6.48 min Scan# 314
Delta R.T. 0.02 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 58 Resp: 10268

Ion	Ratio	Lower	Upper
58	100		
43	382.1	360.9	541.3

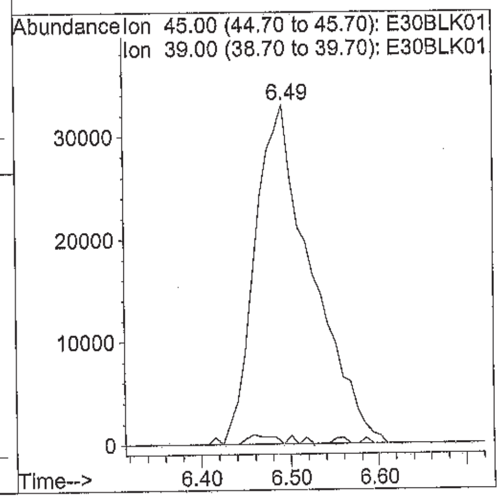


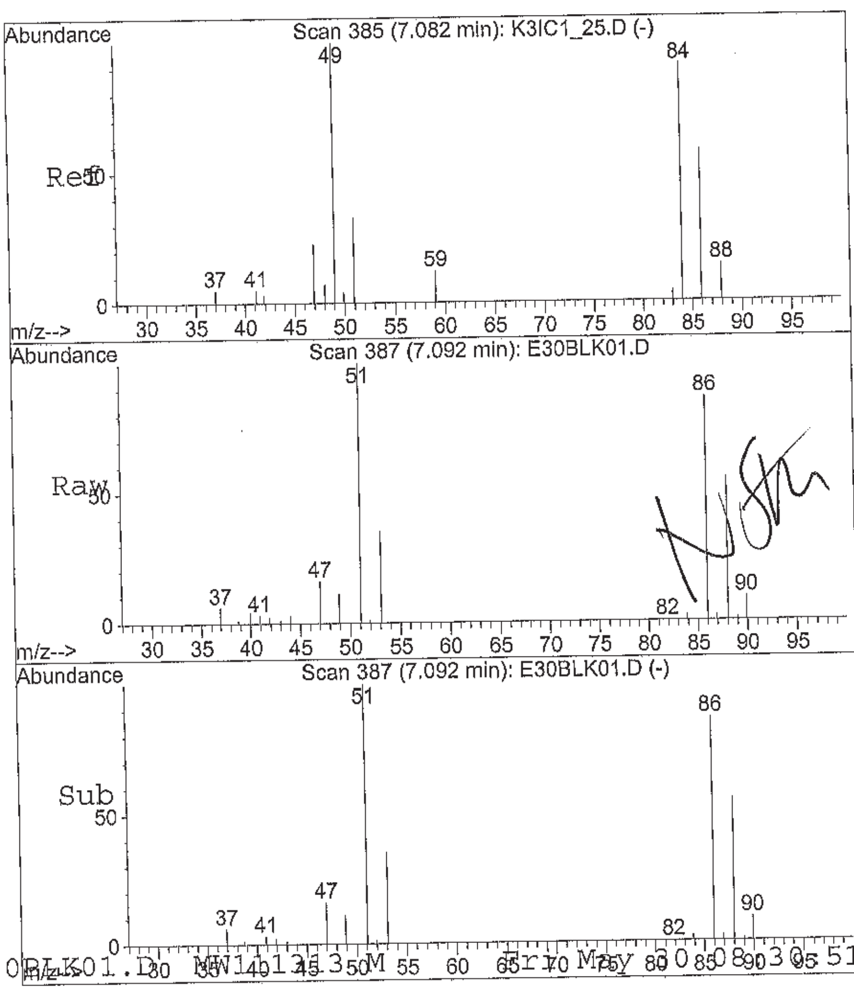


#12
(IPA) Leak Check Compound
Concen: 745.23 ug/L
RT: 6.49 min Scan# 316
Delta R.T. -0.05 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 45 Resp: 145301

Ion	Ratio	Lower	Upper
45	100		
39	0.5	4.9	7.3#

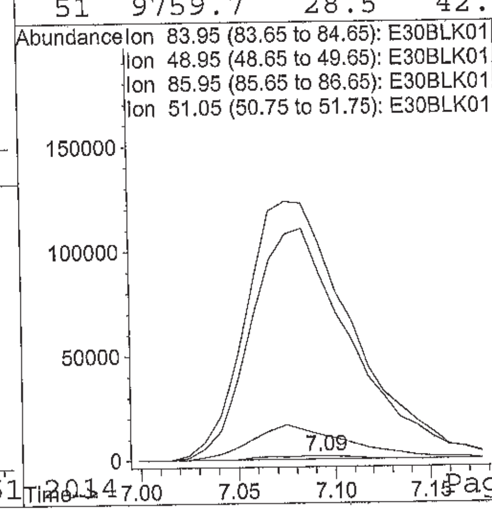


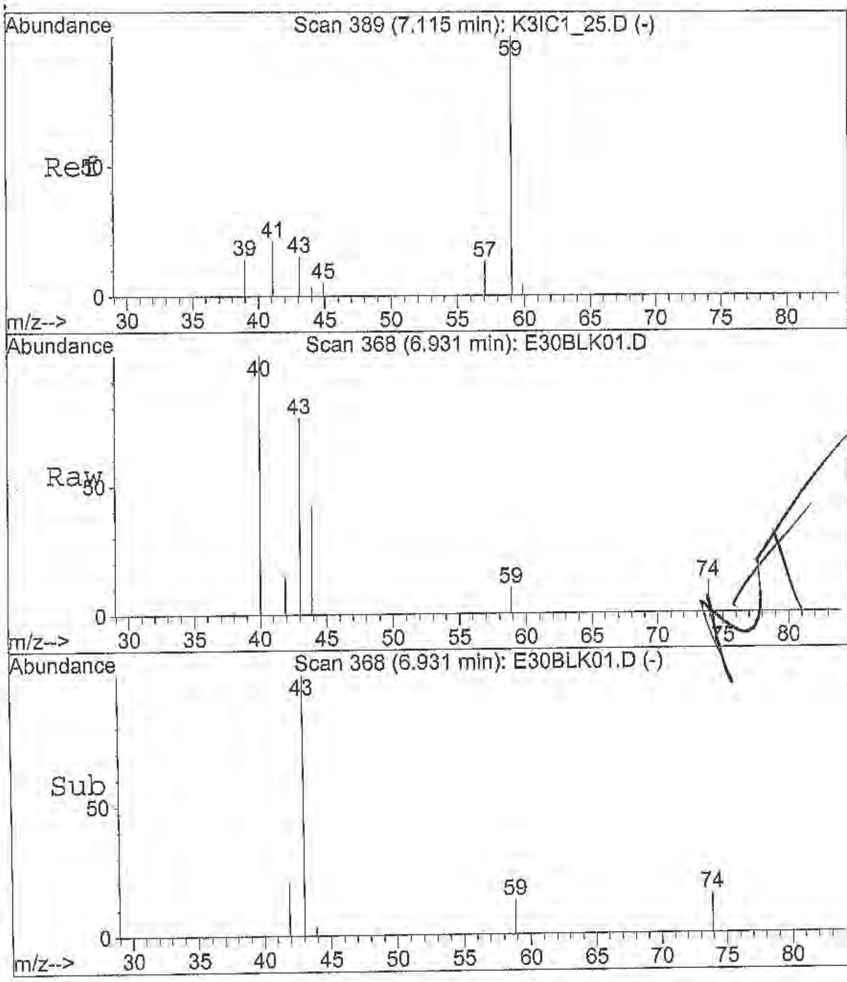


#14
Methylene Chloride
Concen: 1.10 ug/L
RT: 7.09 min Scan# 387
Delta R.T. 0.01 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 84 Resp: 4882

Ion	Ratio	Lower	Upper
84	100		
49	1166.5	89.8	134.6#
86	8280.2	51.1	76.7#
51	9759.7	28.5	42.7#

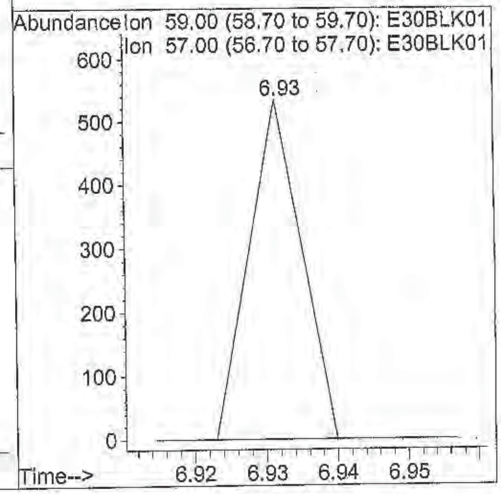


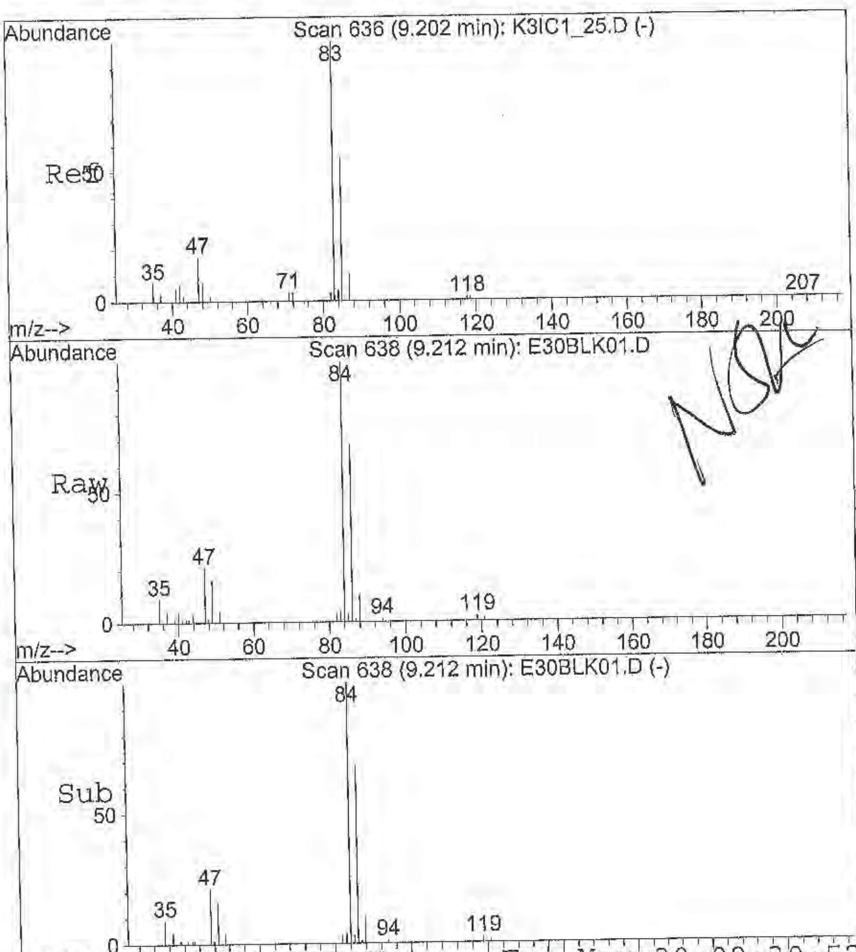


#15
(TBA) tert-Butanol
Concen: 0.98 ug/L
RT: 6.93 min Scan# 368
Delta R.T. -0.18 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 59 Resp: 271

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

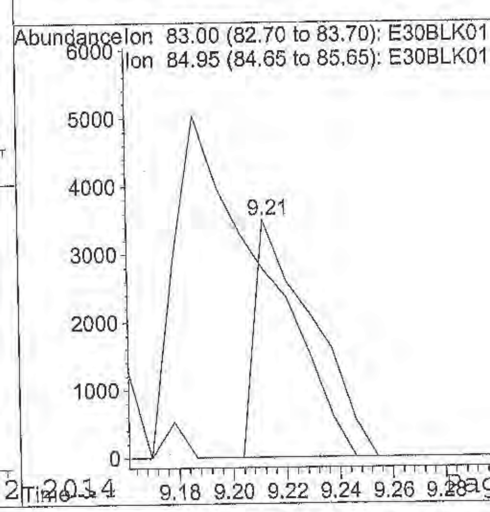


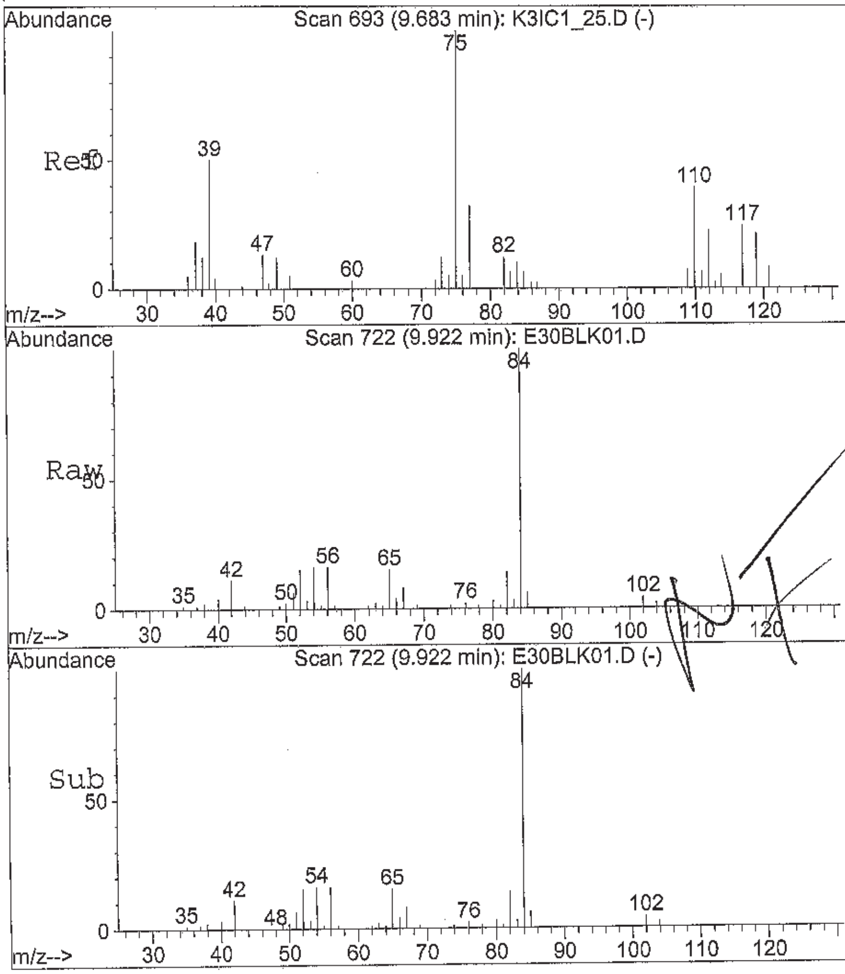


#24
Chloroform
Concen: 0.62 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 83 Resp: 5264

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

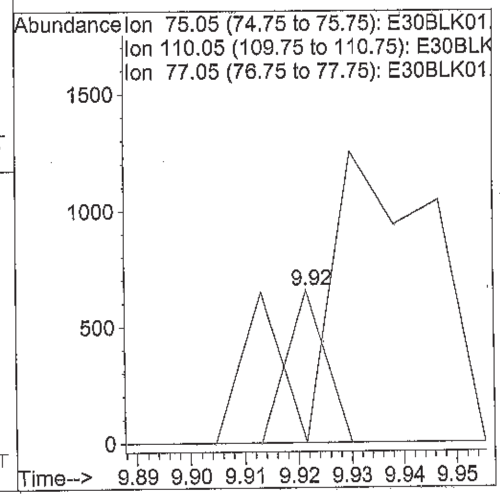


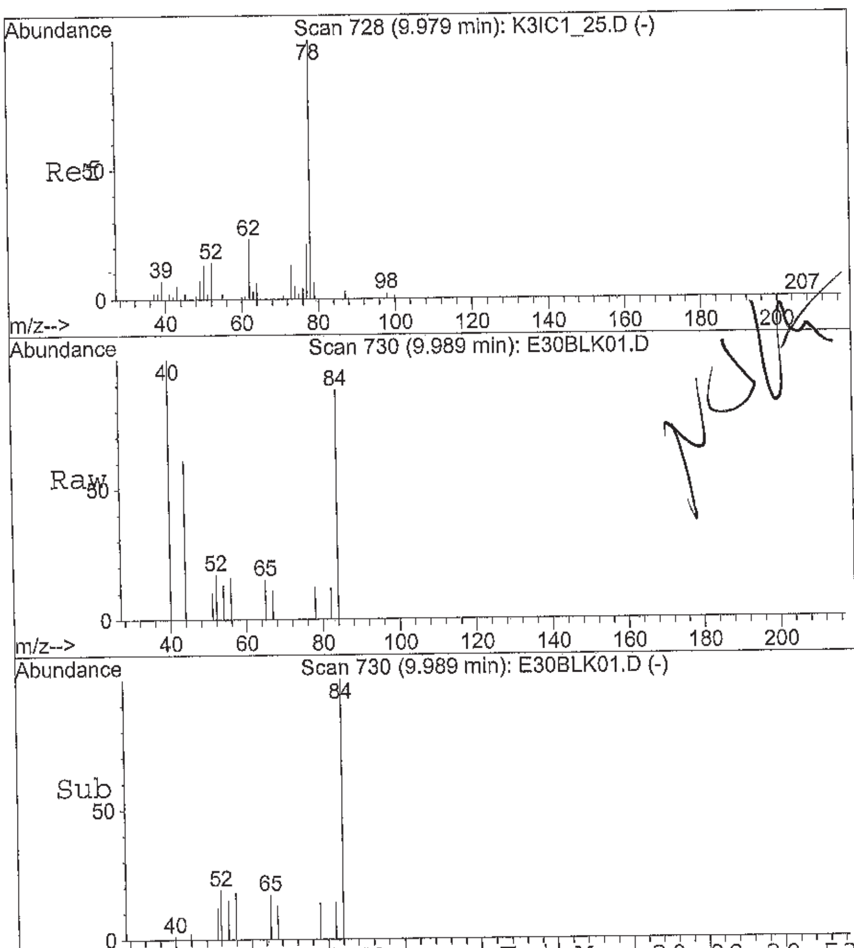


#29
1,1-Dichloropropene
Concen: 0.05 ug/L
RT: 9.92 min Scan# 722
Delta R.T. 0.24 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 75 Resp: 332

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	592.5	25.0	37.4#

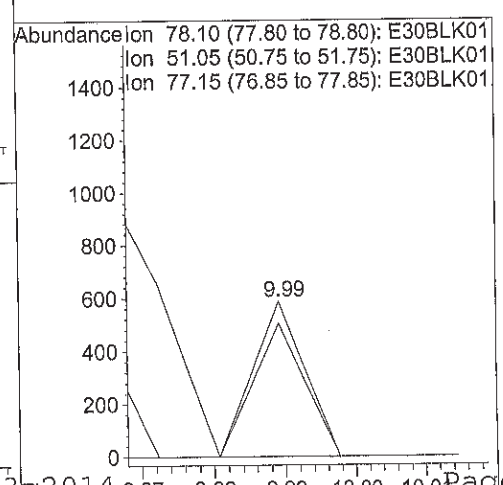


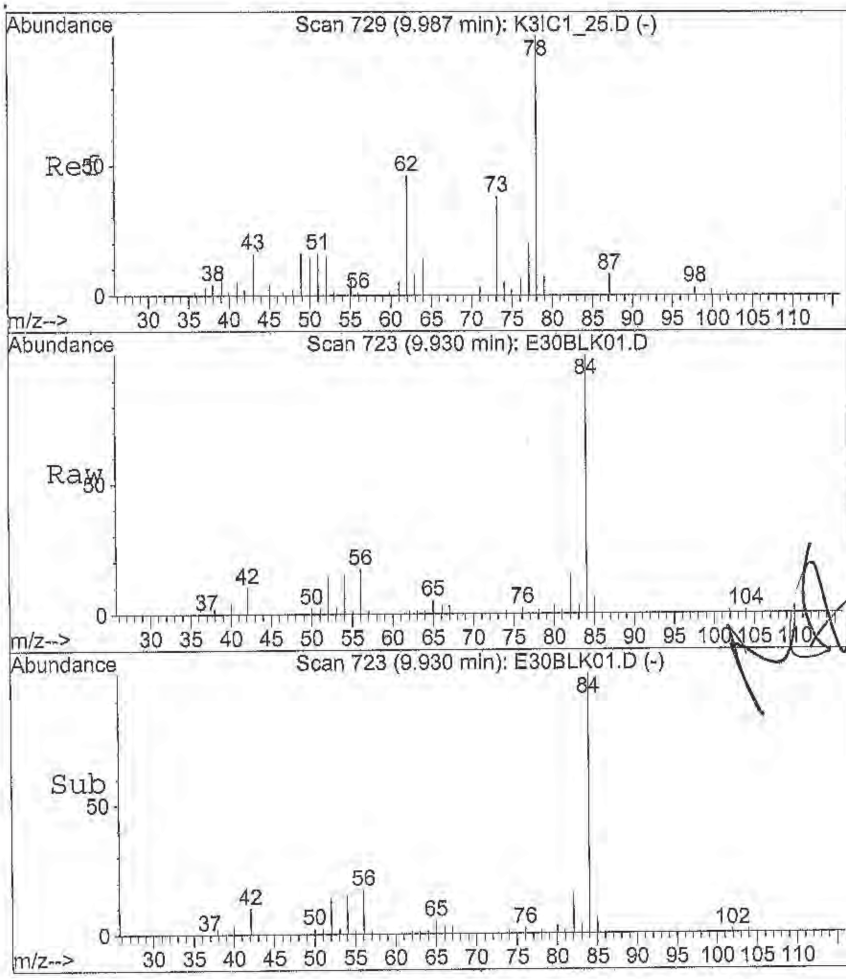


#31
Benzene
Concen: 0.02 ug/L
RT: 9.99 min Scan# 730
Delta R.T. 0.01 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 78 Resp: 297

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

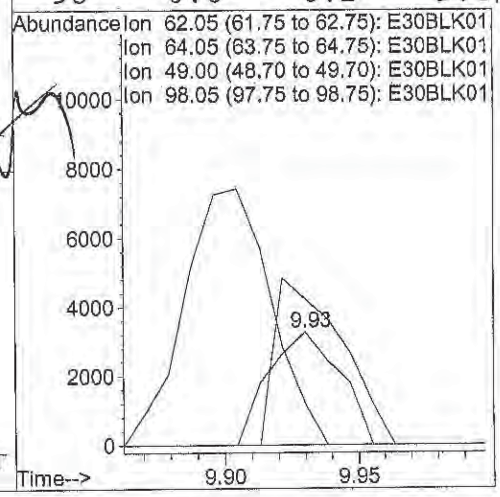


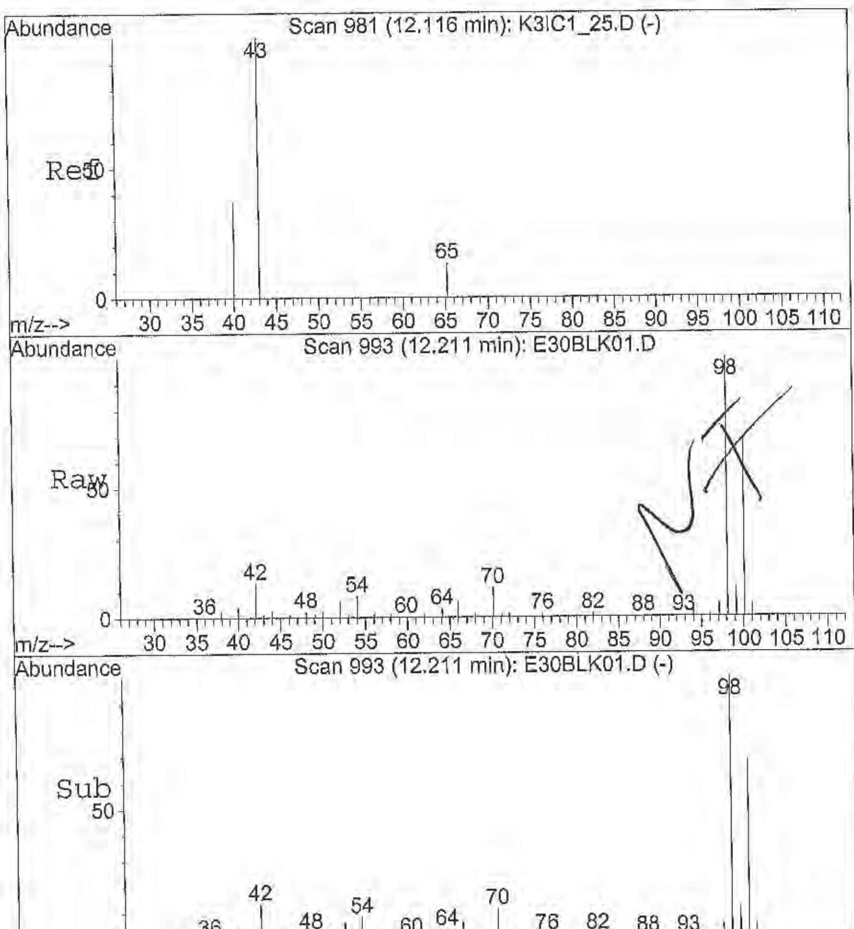


#32
1,2-Dichloroethane
Concen: 1.12 ug/L
RT: 9.93 min   Scan# 723
Delta R.T.   -0.06 min
Lab File: E30BLK01.D
Acq: 30 May 2014   7:45 am

Tgt Ion: 62 Resp: 6024

Ion	Ratio	Lower	Upper
62	100		
64	139.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

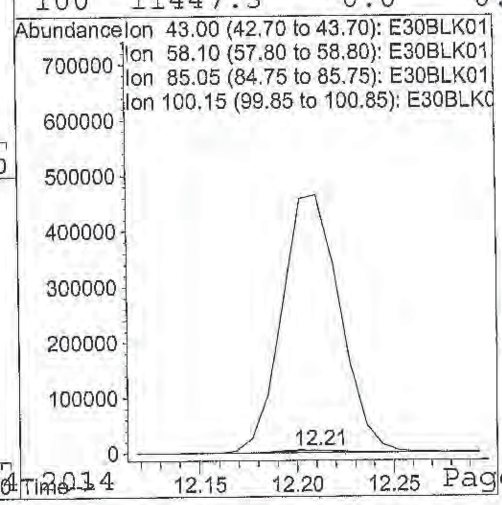


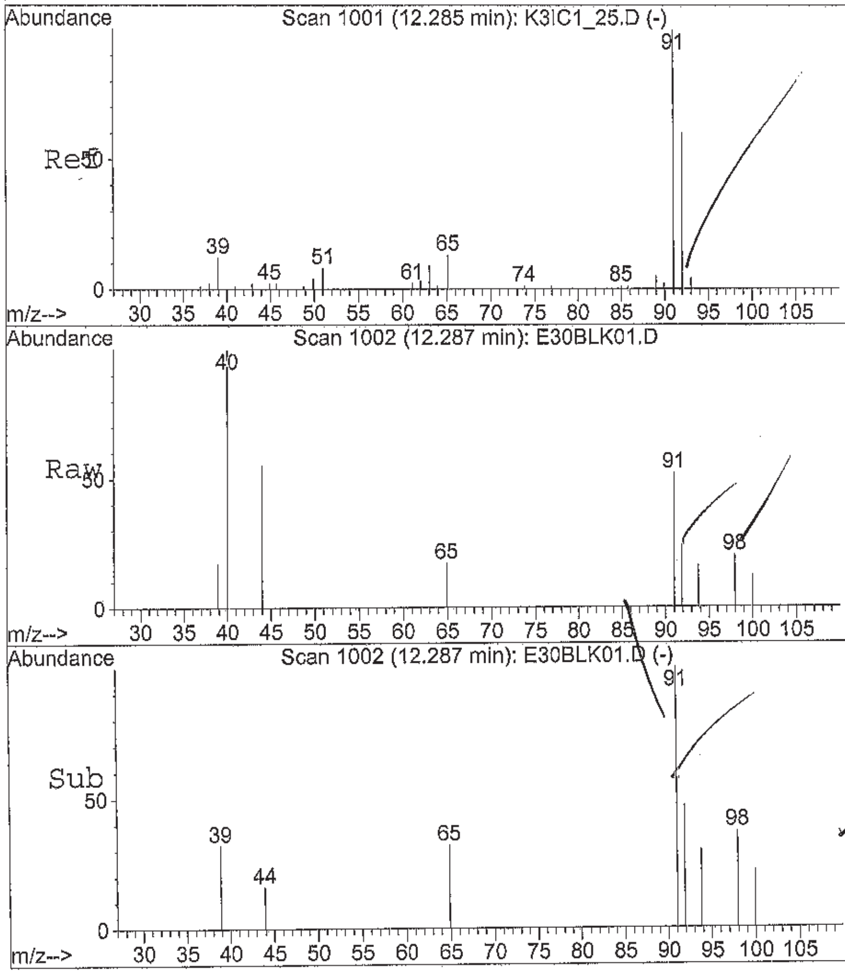


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.19 ug/L
RT: 12.21 min   Scan# 993
Delta R.T.   0.09 min
Lab File: E30BLK01.D
Acq: 30 May 2014   7:45 am

Tgt Ion: 43 Resp: 8465

Ion	Ratio	Lower	Upper
43	100		
58	122.0	0.0	0.0#
85	0.0	0.0	0.0
100	11447.3	0.0	0.0#

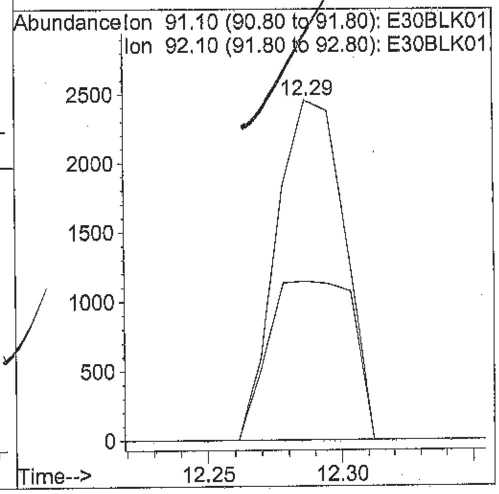


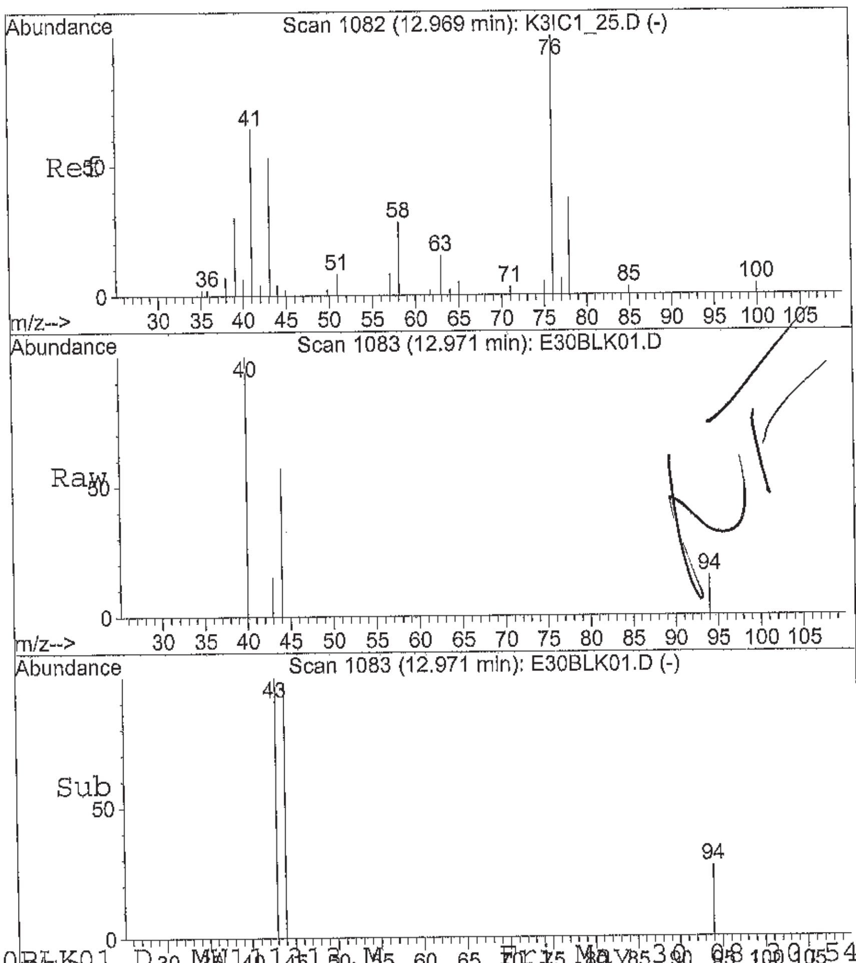


#41
Toluene
Concen: 0.24 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 91 Resp: 4316

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.4	71.0

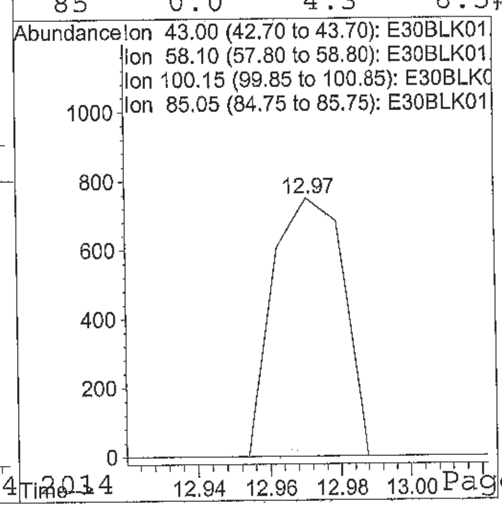


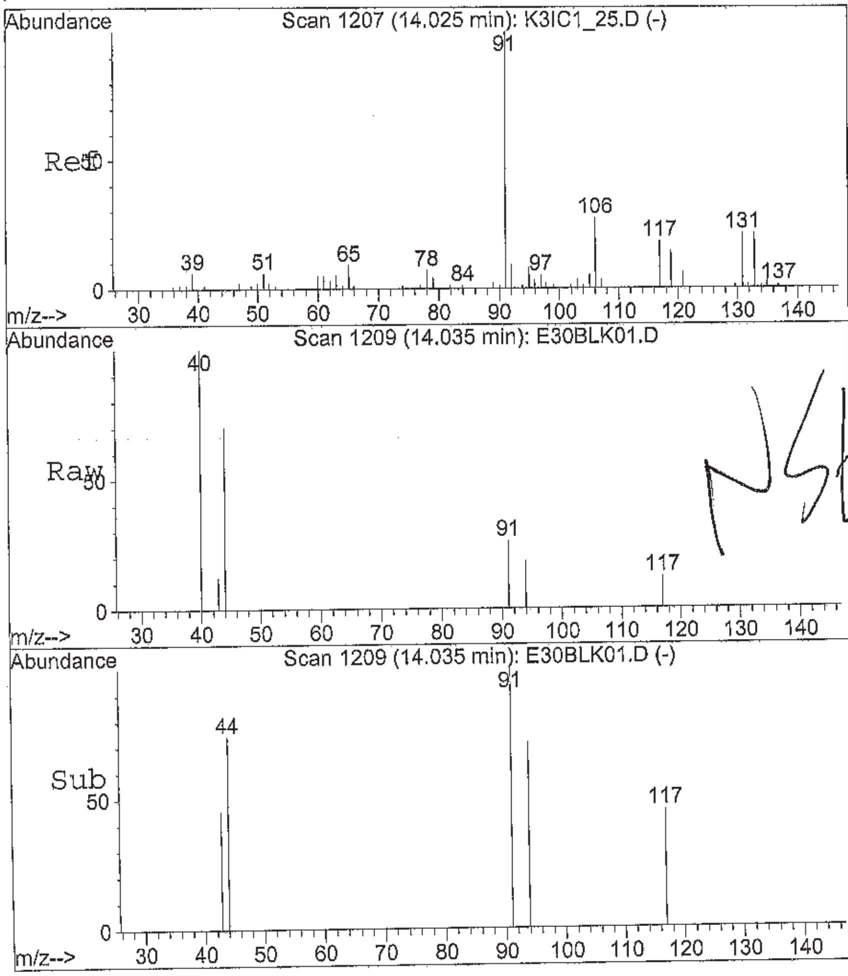


#46
2-Hexanone
Concen: 0.35 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 43 Resp: 1032

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

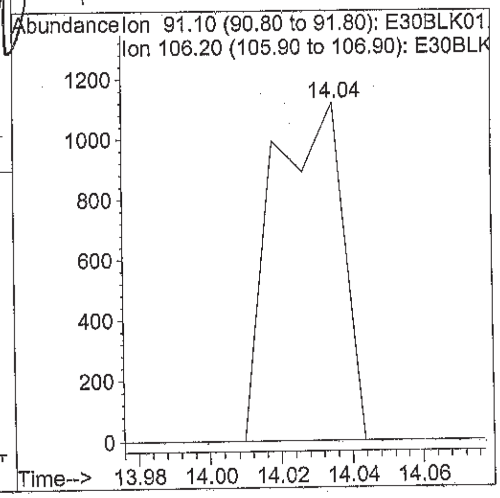


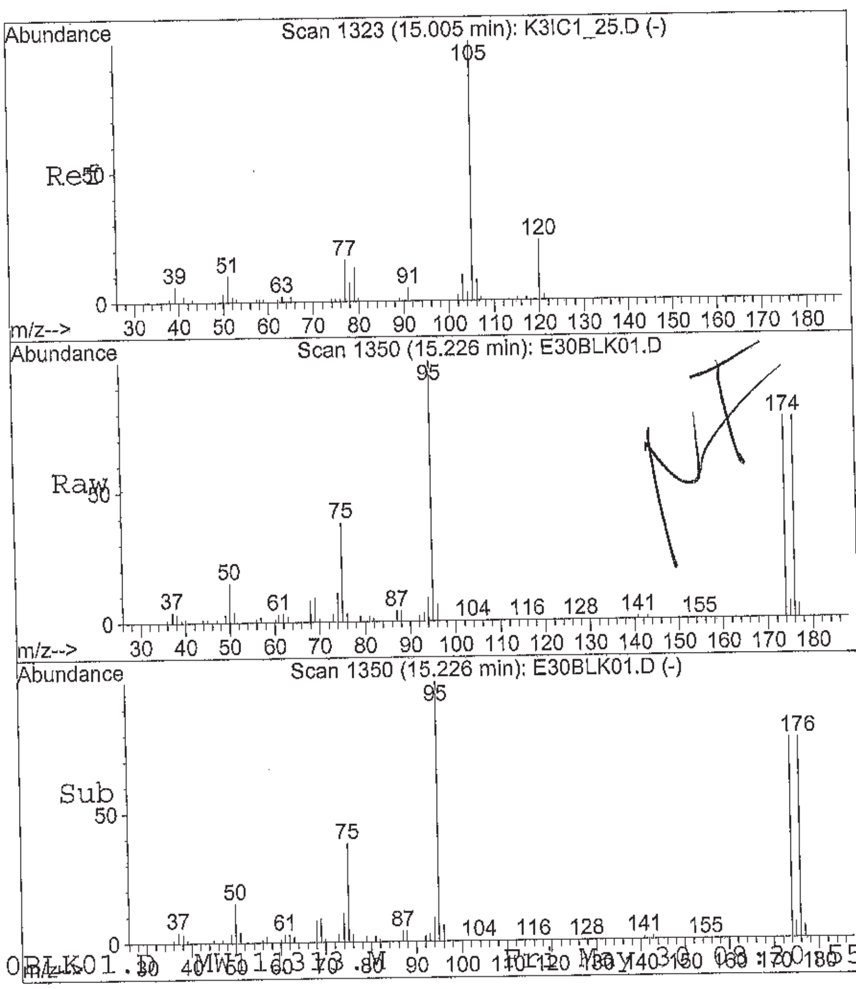


#51
Ethylbenzene
Concen: 0.07 ug/L
RT: 14.04 min Scan# 1209
Delta R.T. 0.01 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 91 Resp: 1520

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

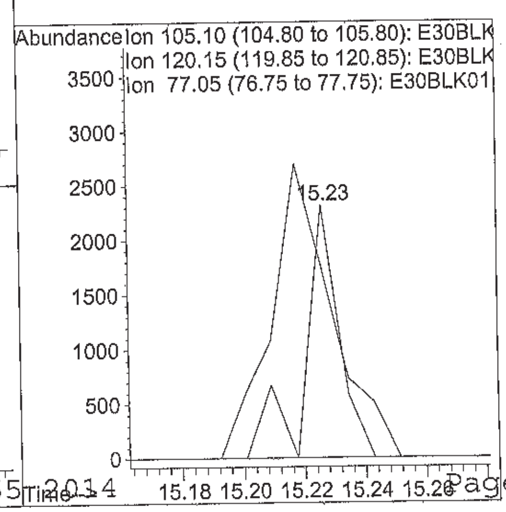


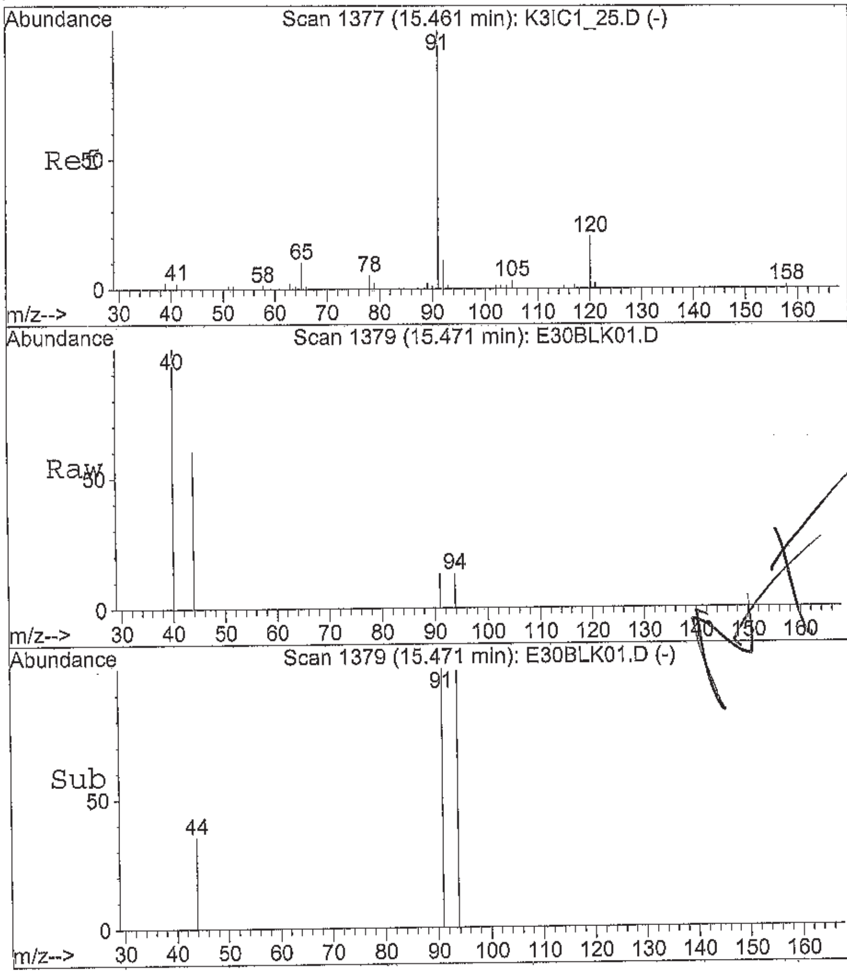


#56
Isopropylbenzene
Concen: 0.09 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. 0.22 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion:105 Resp: 1799

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	206.7	13.1	19.7#

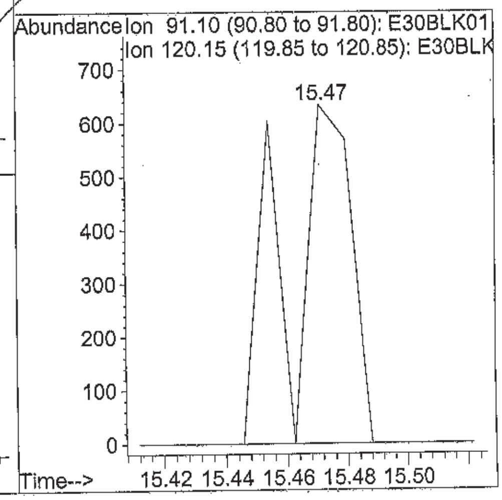


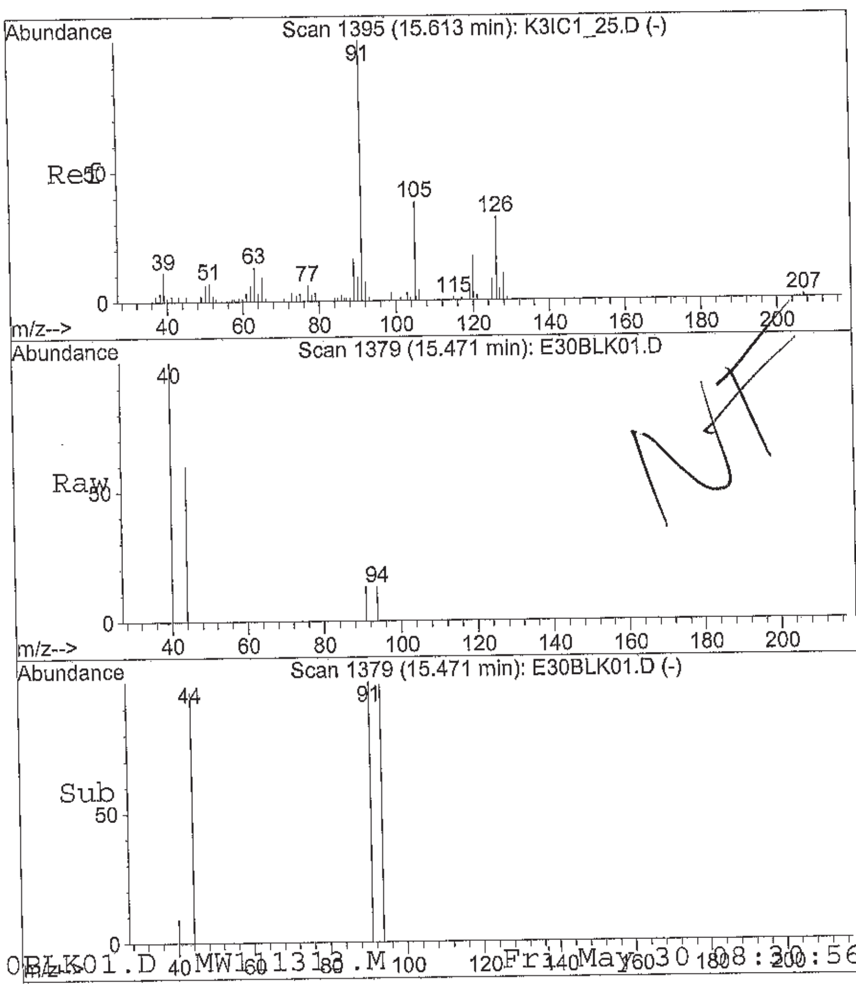


#62
n-Propylbenzene
Concen: 0.03 ug/L
RT: 15.47 min Scan# 1379
Delta R.T. 0.01 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion: 91 Resp: 915

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

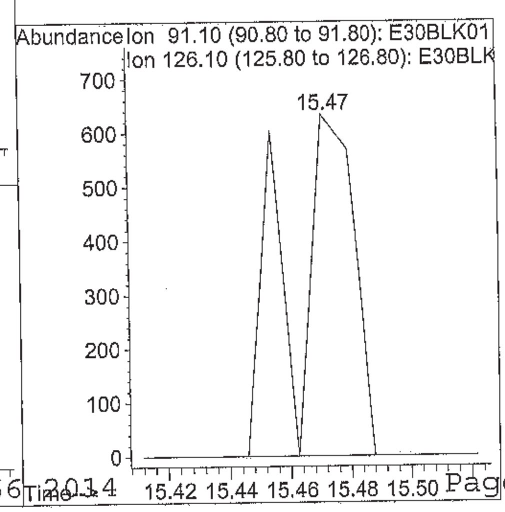




#63
2-Chlorotoluene
Concen: 0.05 ug/L
RT: 15.47 min Scan# 1379
Delta R.T. -0.14 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

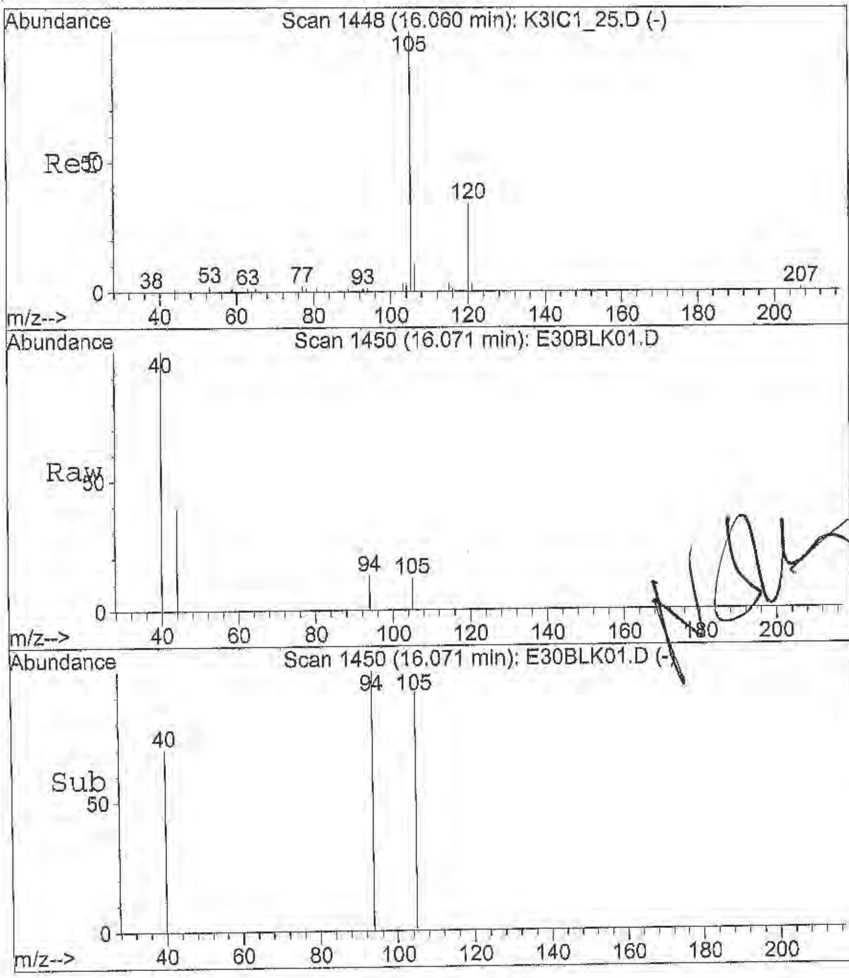
Tgt Ion: 91 Resp: 915

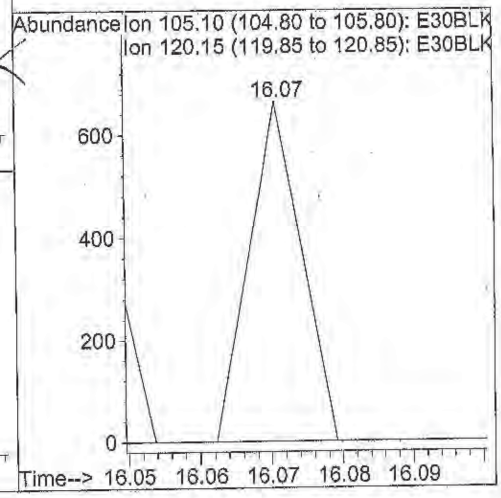
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#



#67
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 16.07 min   Scan# 1450
Delta R.T.   0.01 min
Lab File: E30BLK01.D
Acq: 30 May 2014   7:45 am

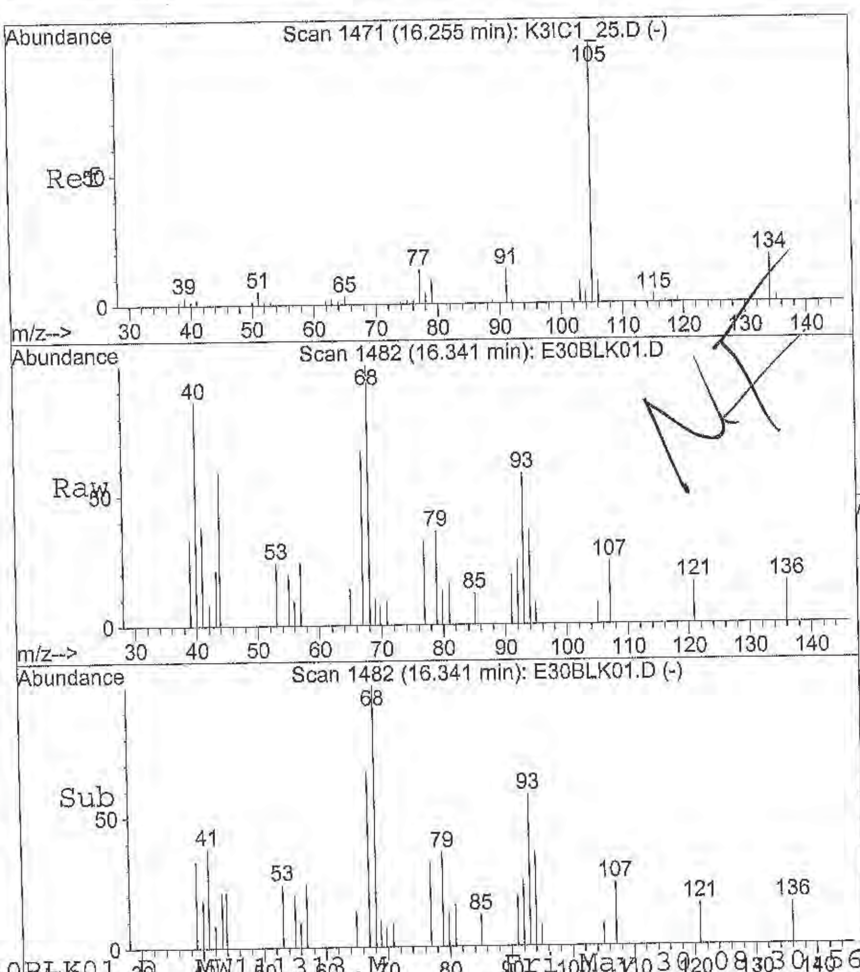
Tgt Ion:105 Resp: 337
Ion Ratio Lower Upper
105 100
120   0.0   33.8   50.8#

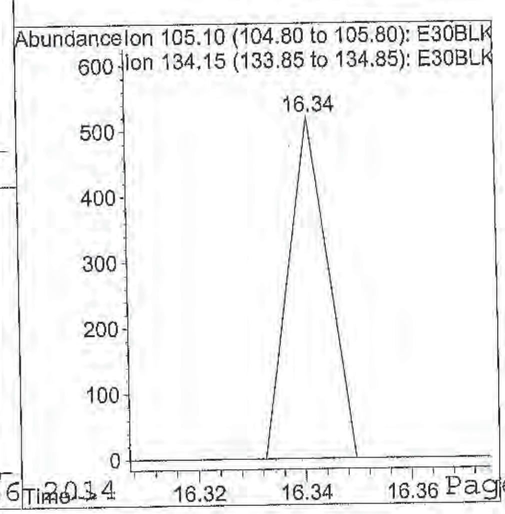


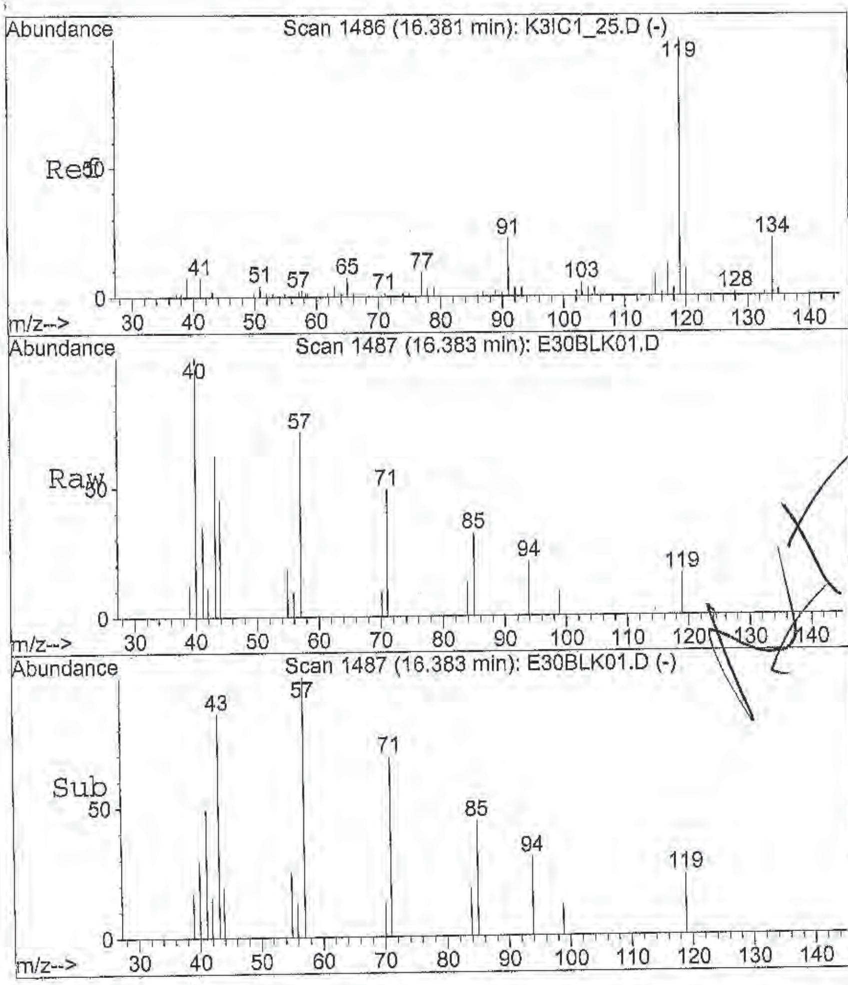


#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.34 min   Scan# 1482
Delta R.T.   0.09 min
Lab File: E30BLK01.D
Acq: 30 May 2014   7:45 am

Tgt Ion:105 Resp: 264
Ion Ratio Lower Upper
105 100
134   0.0   13.0   19.6#



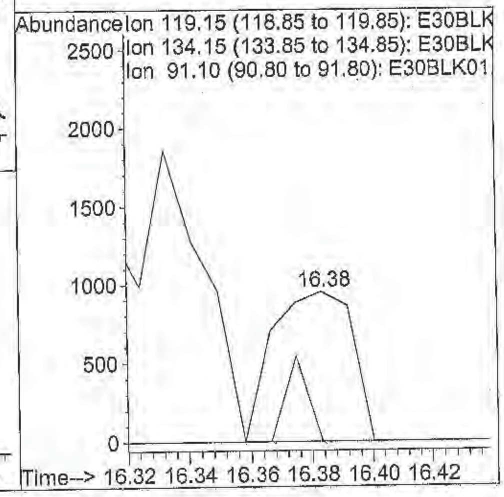


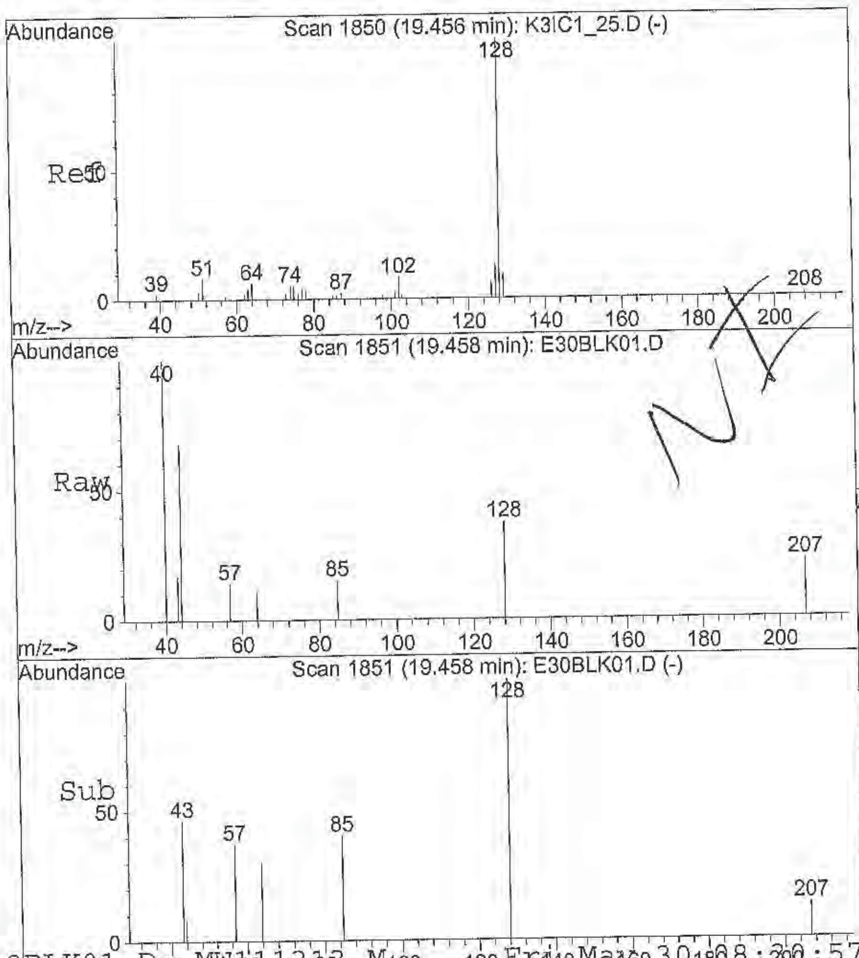


#69
p-Isopropyltoluene
Concen: 0.09 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion:119 Resp: 1722

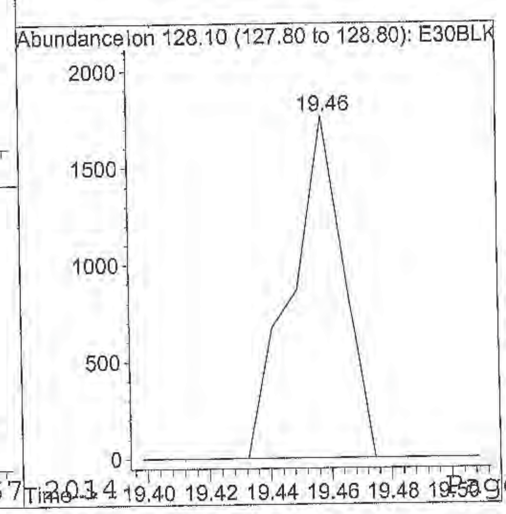
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	15.8	19.6	29.4#





#77
Naphthalene
Concen: 0.15 ug/L
RT: 19.46 min Scan# 1851
Delta R.T. 0.00 min
Lab File: E30BLK01.D
Acq: 30 May 2014 7:45 am

Tgt Ion:128 Resp: 2096



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30BLK01.D          Vial: 11
Acq On    : 30 May 2014   7:45 am                     Operator: DN
Sample    : 34E3001-BLK1                              Inst    : GC/MS Ins
Misc      : 100cc  AMBIENT AIR/H20                    Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30  8:33 19114              Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                     R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
  1) Fluorobenzene (IS)               10.29   96  1622577    12.50 ug/L   -0.02
  7) Chlorobenzene-d5 (IS)            13.92  117  1329092    12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS       16.51  152   724181    12.50 ug/L    0.00

System Monitoring Compounds
  2) Dibromofluoromethane (SU1)        9.43  113   460269    10.91 ug/L    0.00
  Spiked Amount    12.500   Range  75 - 125   Recovery   =   87.28%
  3) Chloroform-d (SU6)                9.19   84   701756    11.59 ug/L    0.00
  Spiked Amount    12.500   Range  70 - 140   Recovery   =   92.72%
  4) Methylene Chloride-d2 (SU5        7.08   86   404241    11.42 ug/L    0.00
  Spiked Amount    12.500   Range  70 - 140   Recovery   =   91.36%
  5) 1,2-Dichloroethane-d4 (SU2        9.90   65   451512    15.66 ug/L    0.00
  Spiked Amount    12.500   Range  75 - 125   Recovery   =  125.28%#
  6) Benzene-d6 (SU7)                  9.93   84  1363643    10.71 ug/L   -0.02
  Spiked Amount    12.500   Range  70 - 140   Recovery   =   85.68%
  8) Toluene-d8 (SU3)                 12.21   98  1433560    11.37 ug/L   -0.01
  Spiked Amount    12.500   Range  75 - 125   Recovery   =   90.96%
  9) 4-Bromofluorobenzene (SU4)       15.22   95   730091    14.03 ug/L   -0.01
  Spiked Amount    12.500   Range  75 - 125   Recovery   =  112.24%

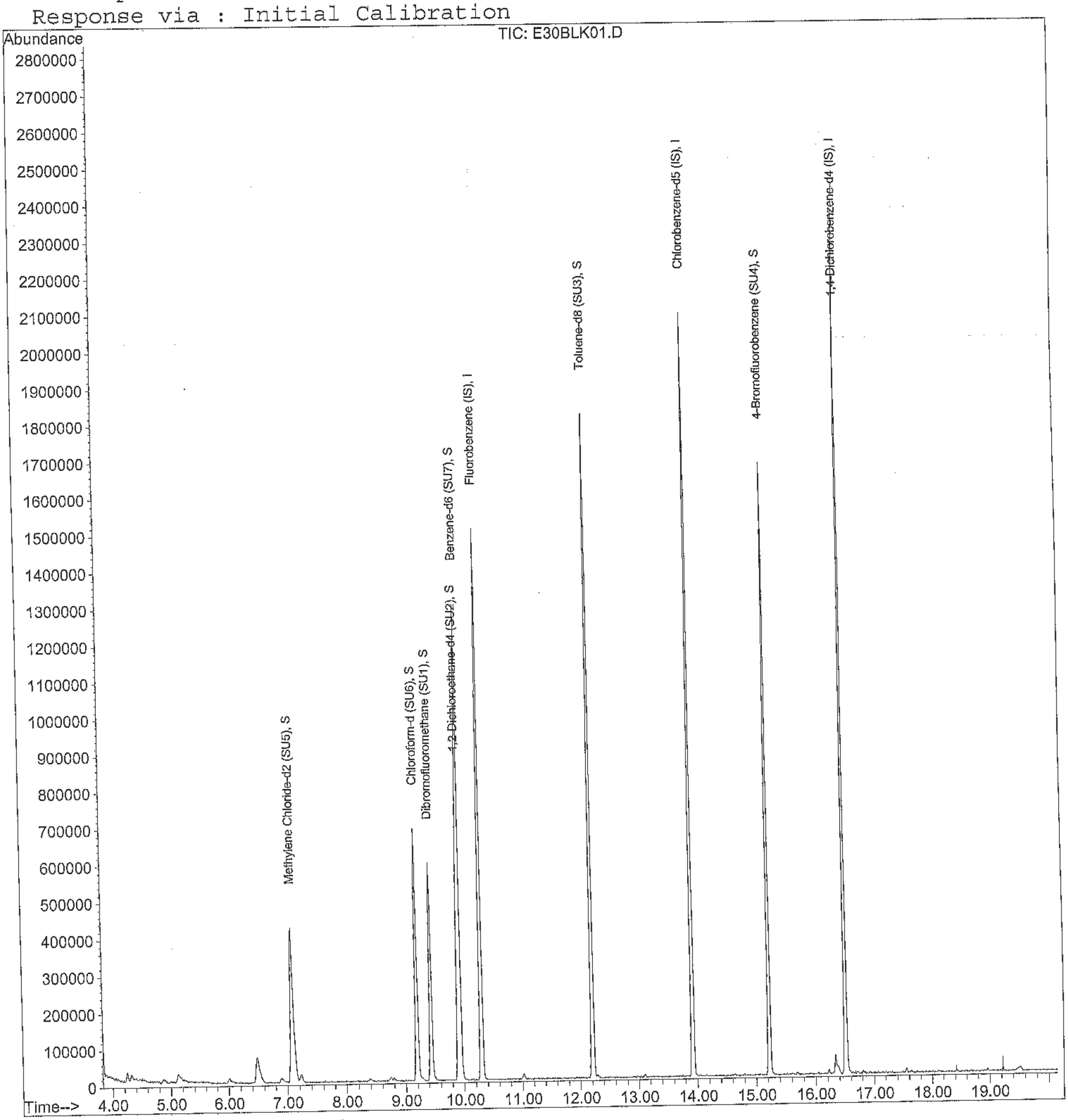
Target Compounds                                                        Qvalue

-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E30BLK01.D Vial: 11
Acq On : 30 May 2014 7:45 am Operator: DN
Sample : 34E3001-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 8:33 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Raw Data for Analyzed Samples Including Chromatograms, Quantitation Reports and Spectra

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000001.D
Acq On : 30 May 2014 8:15 am
Sample : 3E43001-01
Misc : 100cc Equipment Blank
MS Integration Params: rteint.p
Quant Time: May 30 8:36 19114

Vial: 11
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Arv

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1463339	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1193802	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	650445	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	420773	11.53	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.24%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	404078	11.65	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.20%		
39) Toluene-d8 (SU3)	12.21	98	1315571	11.82	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	94.56%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	648844	13.29	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	106.32%		

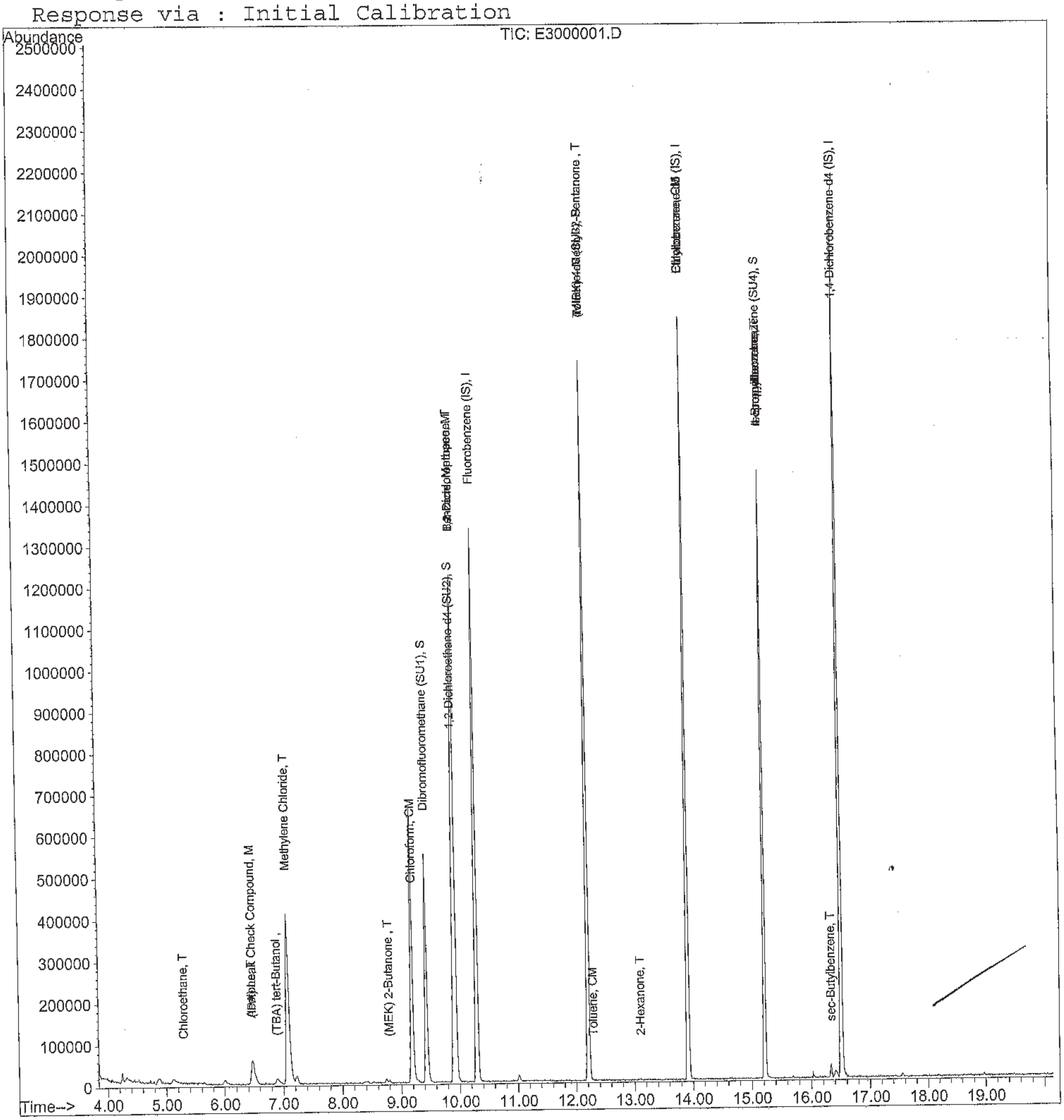
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.39	50	798	-0.90	~~ug/L~~ # NSM	41
6) Bromomethane	5.11	96	2313	-0.34	~~ug/L~~ #	1
7) Chloroethane	5.30	64	1764	2.14	~~ug/L~~	87
11) Acetone	6.46	58	8296	10.17	~~ug/L~~ MT	97
12) (IPA) Leak Check Compound	6.47	45	110463	628.20	~~ug/L~~ # SM	83
14) Methylene Chloride	7.07	84	5149	1.28	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.91	59	722	2.89	~~ug/L~~ #	77
21) (MEK) 2-Butanone	8.80	72	276	0.67	~~ug/L~~ #	1
24) Chloroform	9.21	83	2965	0.39	~~ug/L~~ #	1
29) 1,1-Dichloropropene	9.92	75	319	0.06	~~ug/L~~ # NSM	1
31) Benzene	9.93	78	8083	0.59	~~ug/L~~ #	71
32) 1,2-Dichloroethane	9.93	62	5198	1.07	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	6869	2.88	~~ug/L~~ #	100
41) Toluene	12.29	91	690	0.04	~~ug/L~~ # NSM	21
46) 2-Hexanone	13.10	43	421	0.16	~~ug/L~~ #	37
51) Ethylbenzene	13.92	91	1315	0.07	~~ug/L~~ #	45
54) Styrene	14.63	104	537	-0.82	~~ug/L~~ #	40
56) Isopropylbenzene	15.22	105	257	0.01	~~ug/L~~ #	1
62) n-Propylbenzene	15.22	91	1763	0.07	~~ug/L~~ #	56
68) sec-Butylbenzene	16.34	105	271	0.01	~~ug/L~~ #	62

(#) = qualifier out of range (m) = manual integration

Quantitation Report

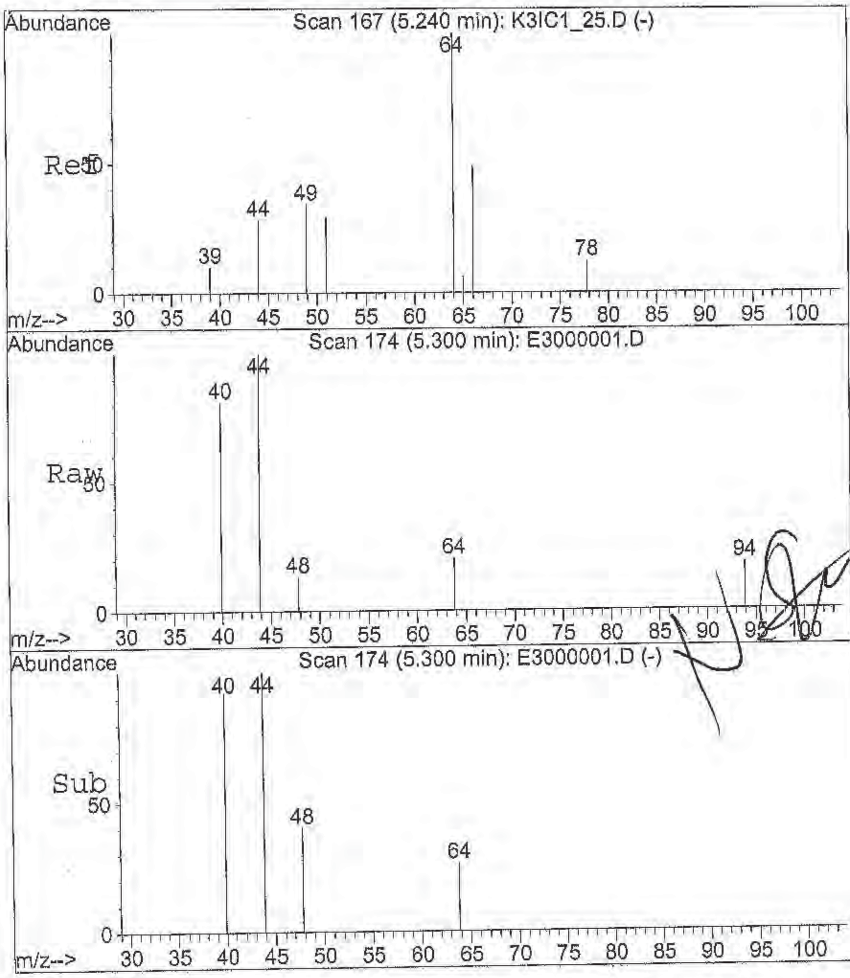
Data File : C:\HPCHEM\1\DATA\053014L3\E3000001.D   Vial: 11
Acq On : 30 May 2014 8:15 am   Operator: DN
Sample : 3E43001-01   Inst : GC/MS Ins
Misc : 100cc Equipment Blank   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 8:36 19114   Quant Results File: MW111313.RES

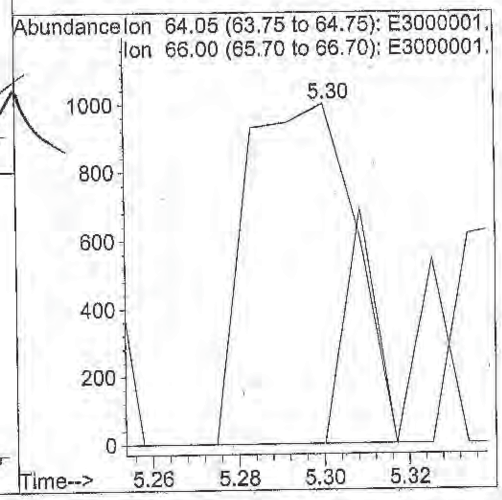
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



#7
Chloroethane
Concen: 2.14 ug/L
RT: 5.30 min   Scan# 174
Delta R.T.   0.06 min
Lab File: E3000001.D
Acq: 30 May 2014   8:15 am

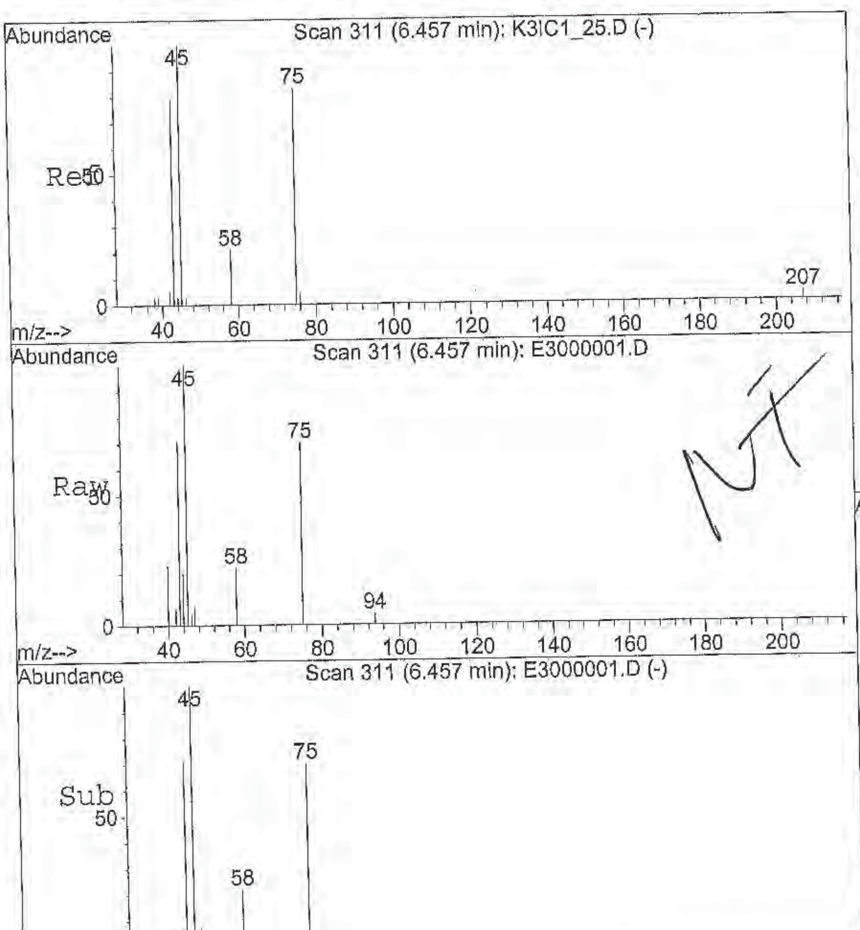
Tgt Ion: 64	Resp:		1764
Ion	Ratio	Lower	Upper
64	100		
66	35.5	35.4	53.0

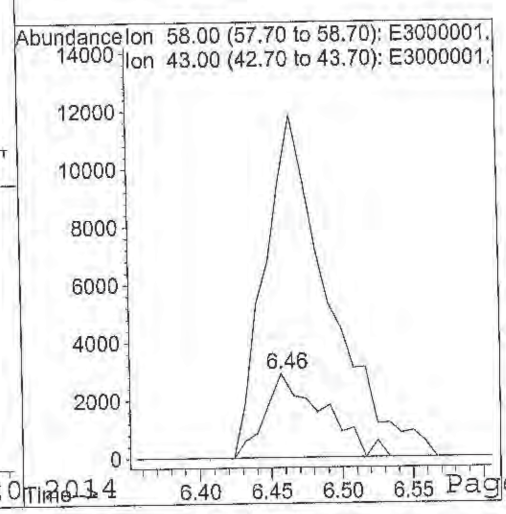


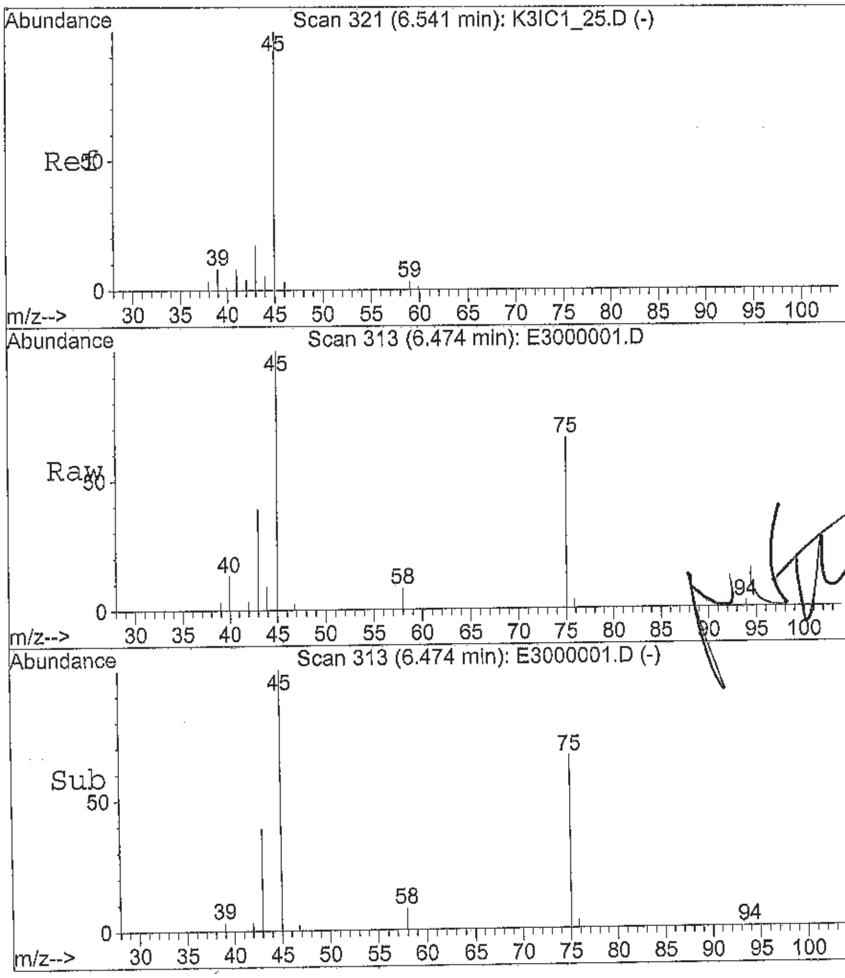


#11
Acetone
Concen: 10.17 ug/L
RT: 6.46 min   Scan# 311
Delta R.T.   0.00 min
Lab File: E3000001.D
Acq: 30 May 2014   8:15 am

Tgt Ion: 58	Resp:		8296
Ion	Ratio	Lower	Upper
58	100		
43	444.6	360.9	541.3



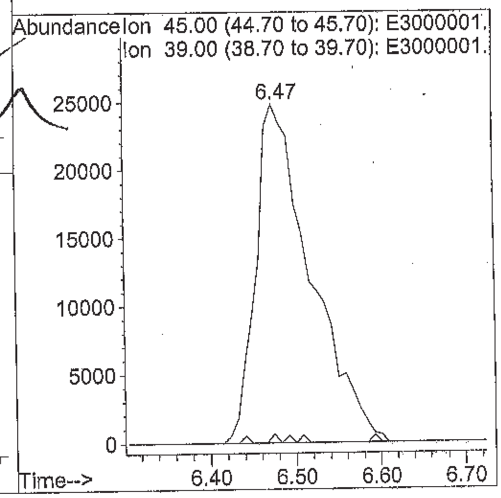


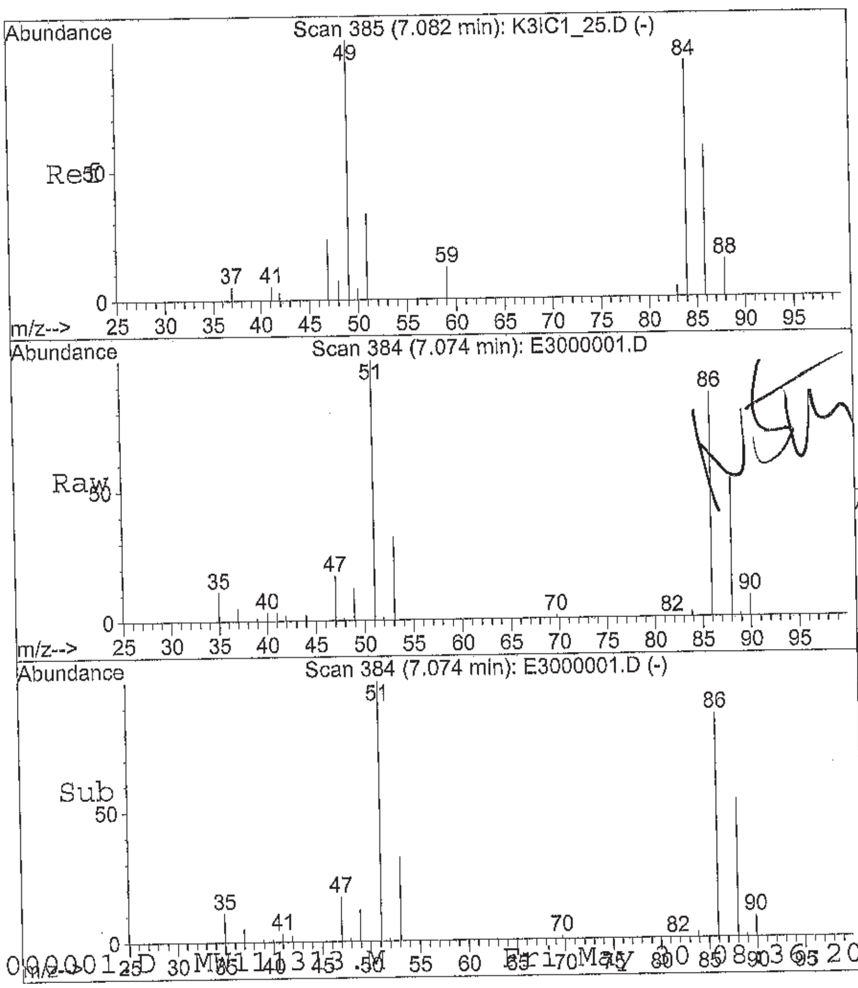


#12
(IPA) Leak Check Compound
Concen: 628.20 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 45 Resp: 110463

Ion	Ratio	Lower	Upper
45	100		
39	0.3	4.9	7.3#

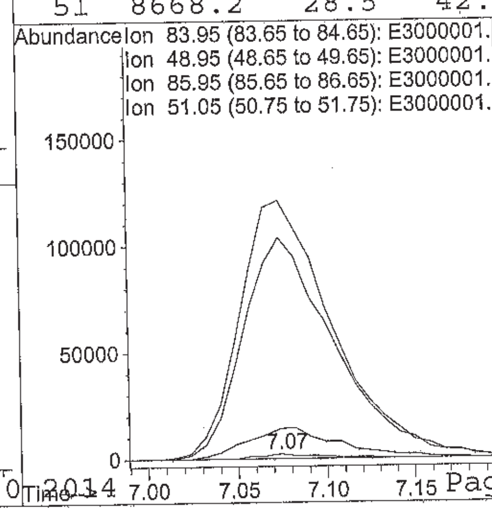


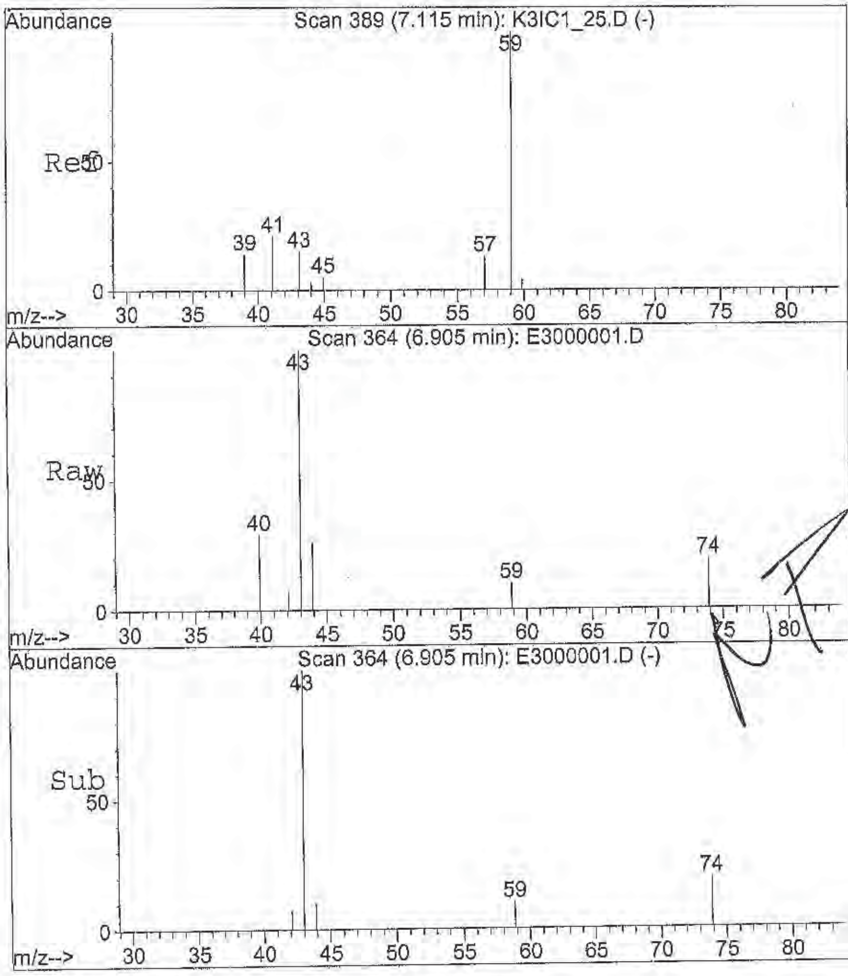


#14
Methylene Chloride
Concen: 1.28 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 84 Resp: 5149

Ion	Ratio	Lower	Upper
84	100		
49	1009.1	89.8	134.6#
86	7314.7	51.1	76.7#
51	8668.2	28.5	42.7#

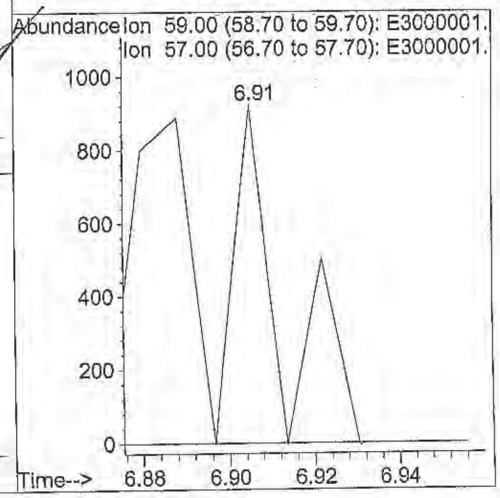


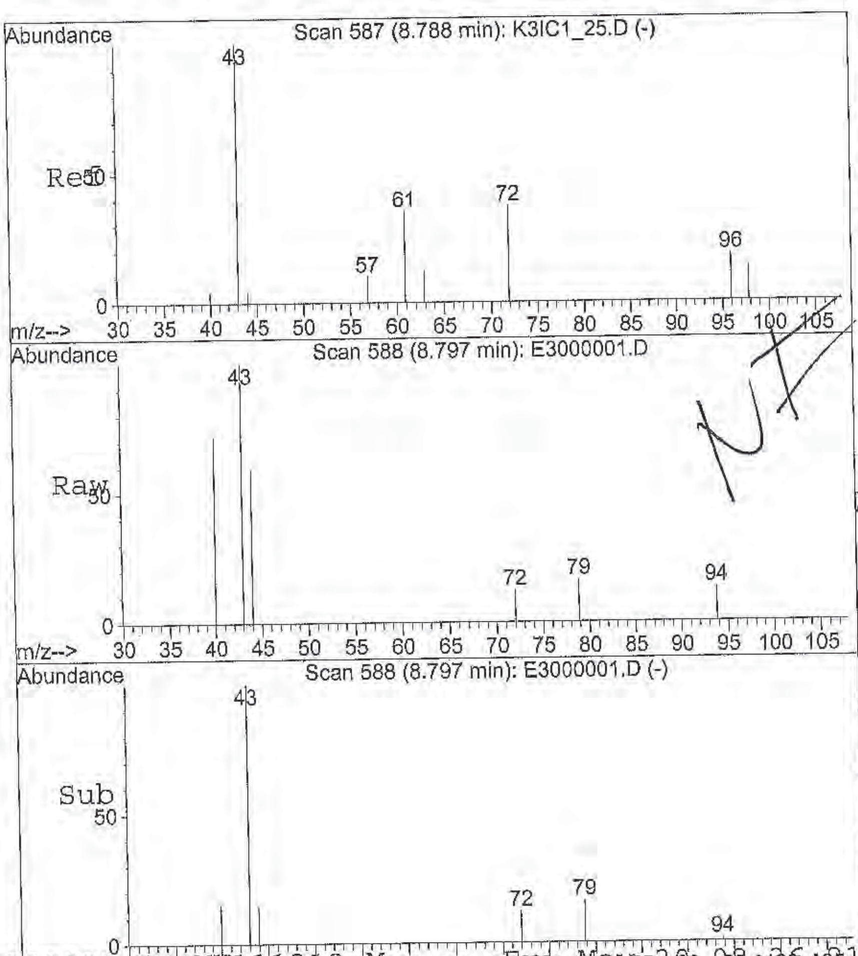


#15
(TBA) tert-Butanol
Concen: 2.89 ug/L
RT: 6.91 min Scan# 364
Delta R.T. -0.21 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 59 Resp: 722

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

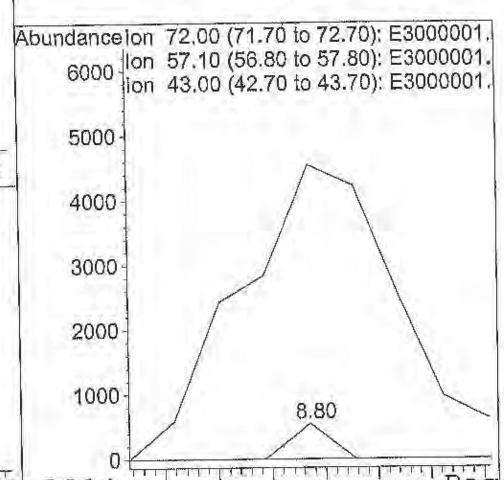


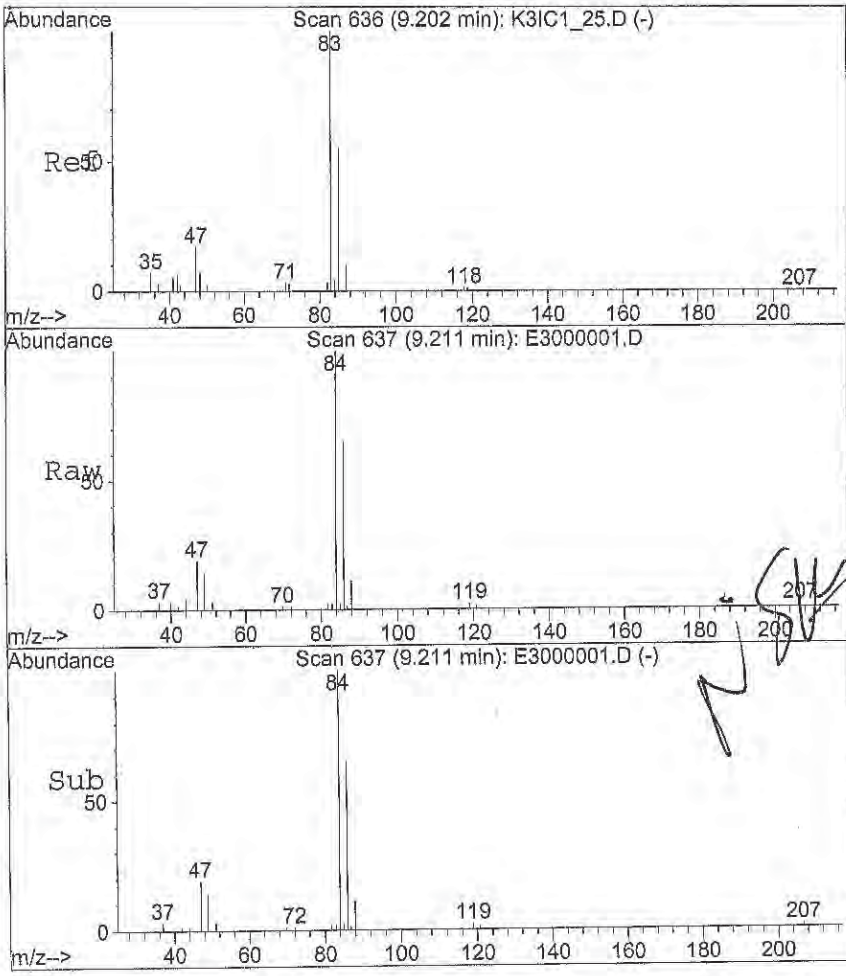


#21
(MEK) 2-Butanone
Concen: 0.67 ug/L
RT: 8.80 min Scan# 588
Delta R.T. 0.01 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 72 Resp: 276

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	3545.3	314.2	471.2#

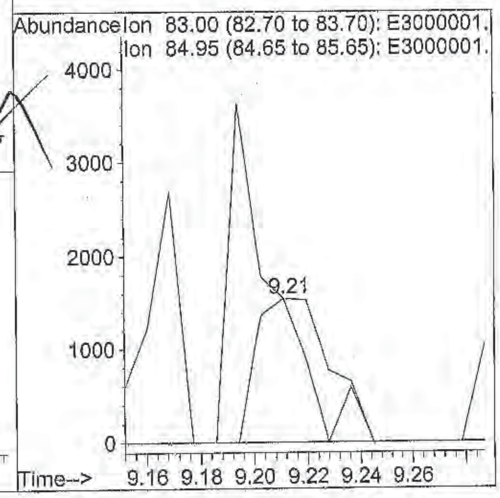


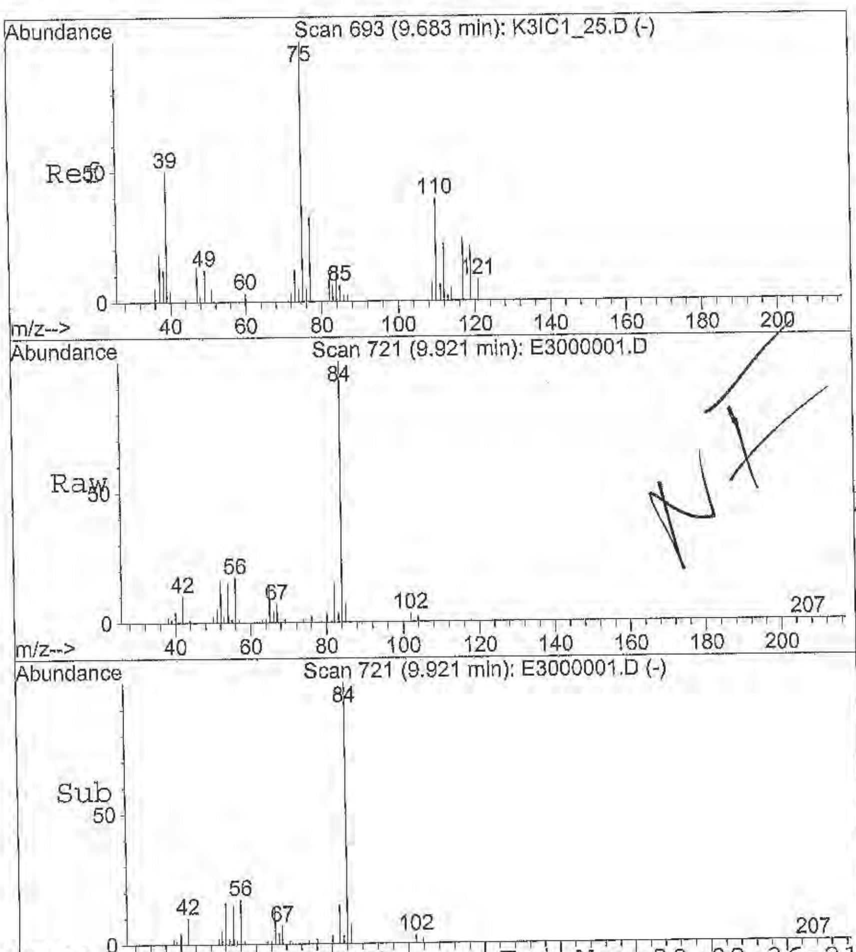


#24
Chloroform
Concen: 0.39 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.01 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 83 Resp: 2965

Ion	Ratio	Lower	Upper
83	100		
85	144.0	51.8	77.6#

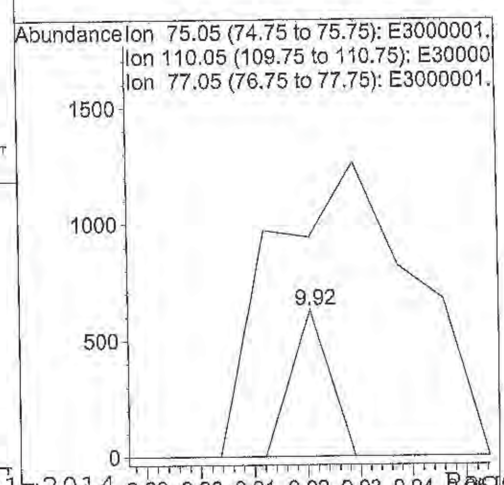


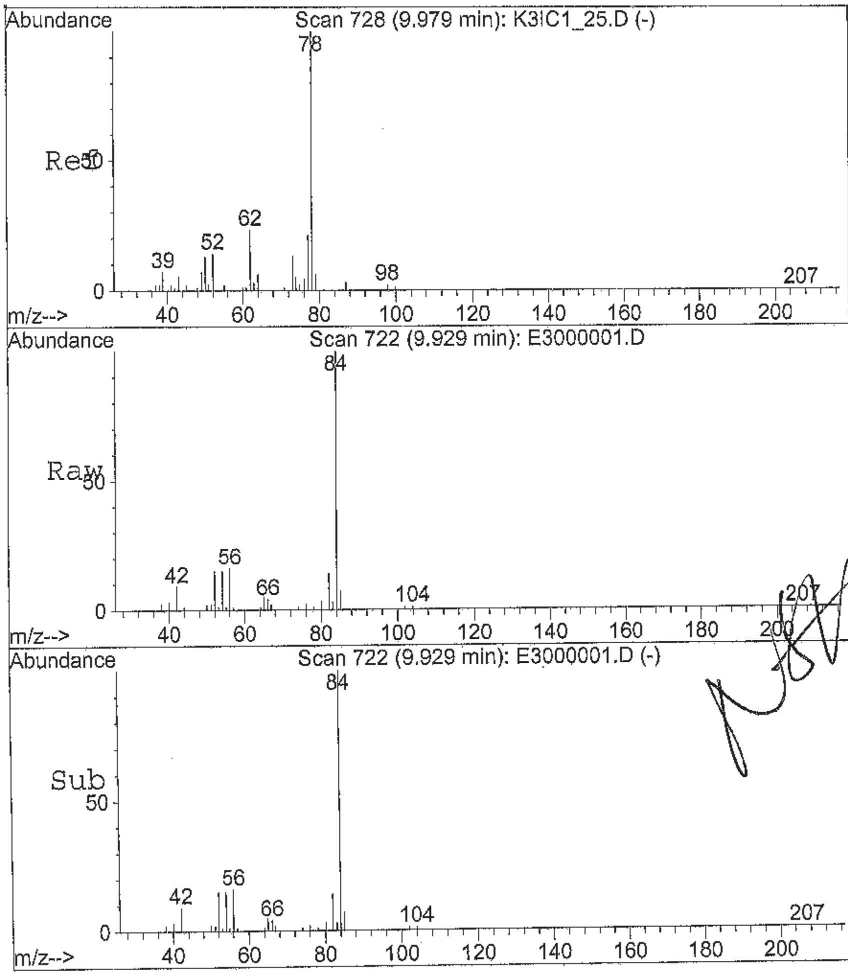


#29
1,1-Dichloropropene
Concen: 0.06 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.24 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 75 Resp: 319

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	742.6	25.0	37.4#

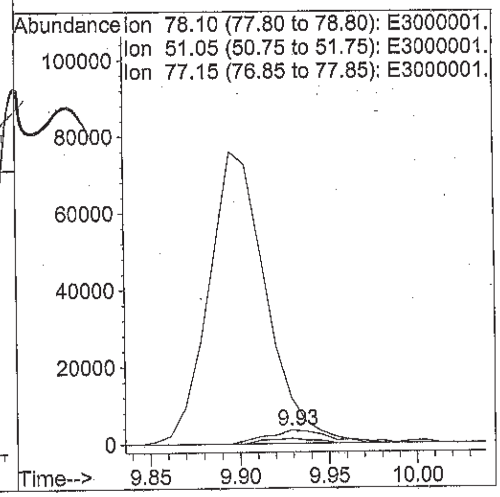


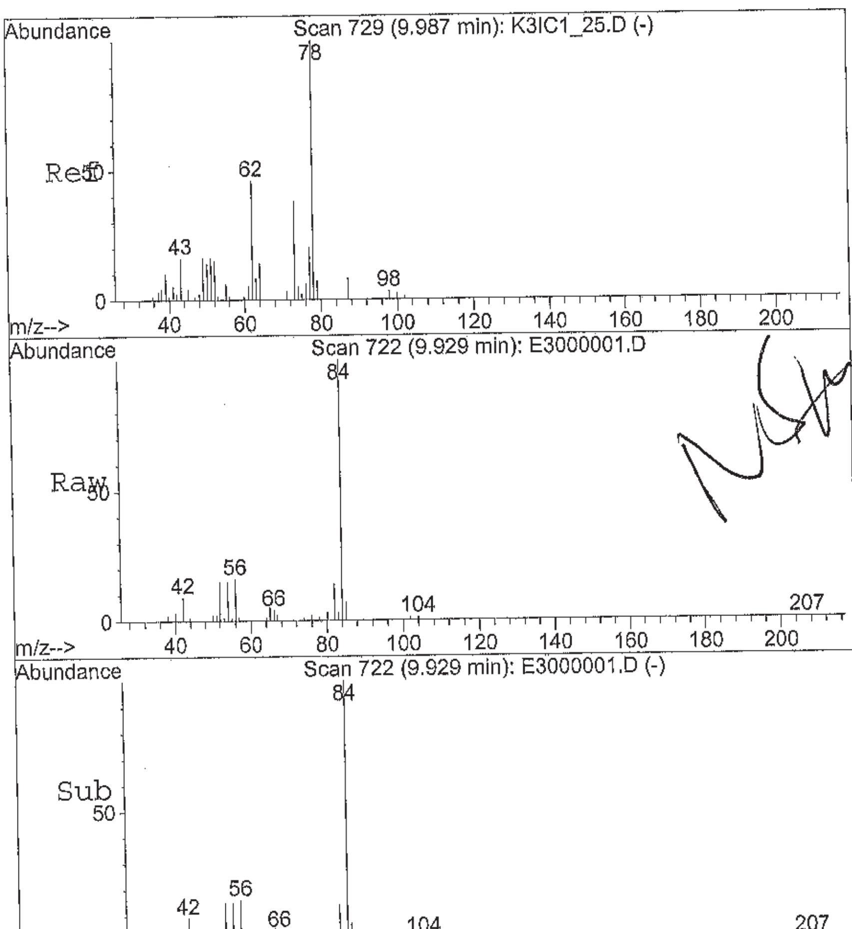


#31
Benzene
Concen: 0.59 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.05 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 78 Resp: 8083

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	29.3	16.6	24.8#

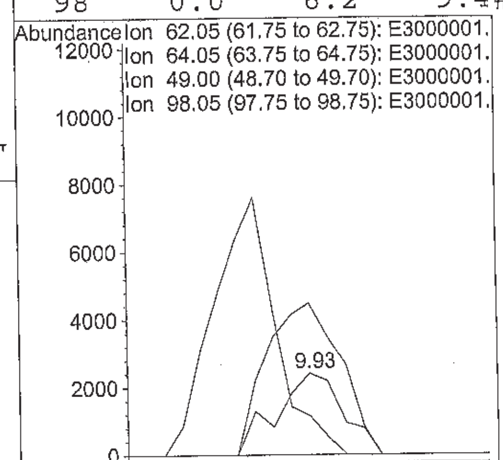


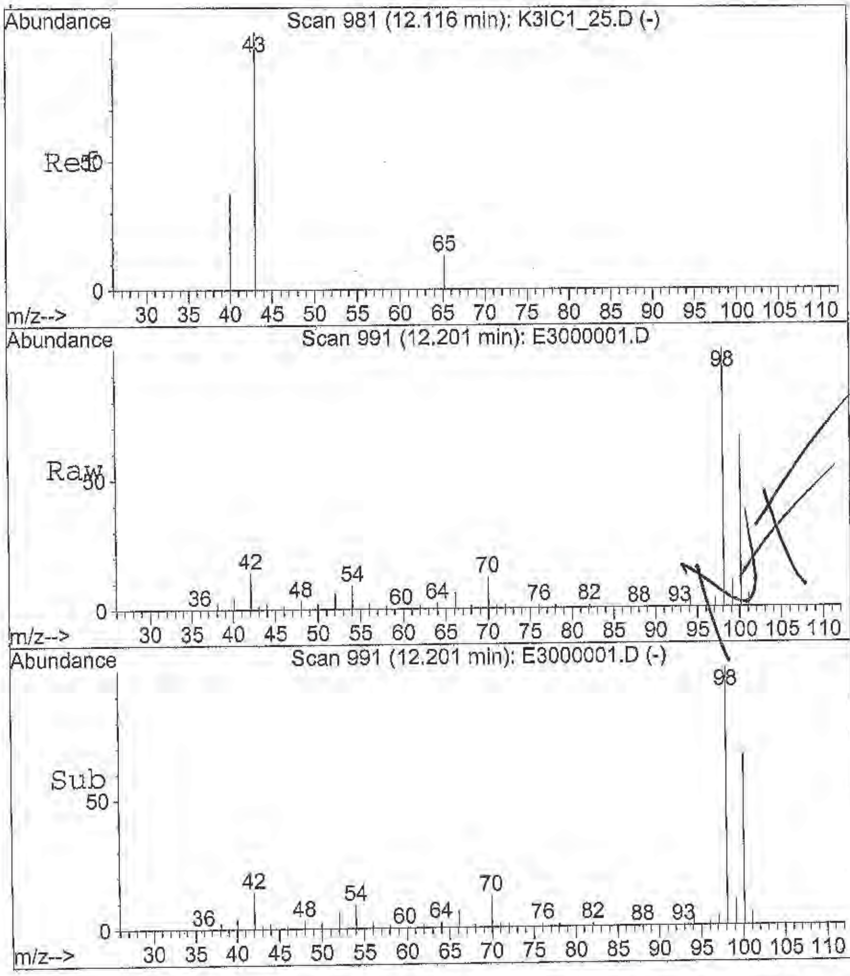


#32
1,2-Dichloroethane
Concen: 1.07 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 62 Resp: 5198

Ion	Ratio	Lower	Upper
62	100		
64	207.8	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

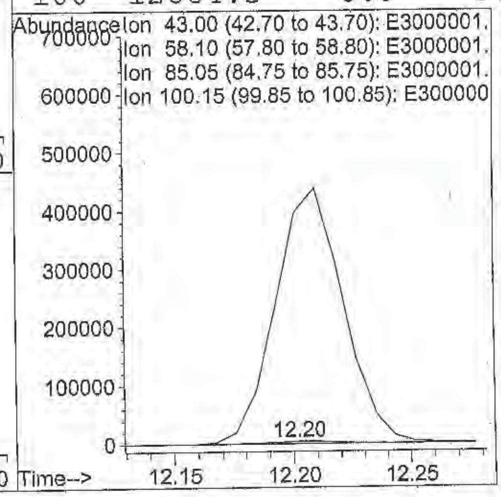


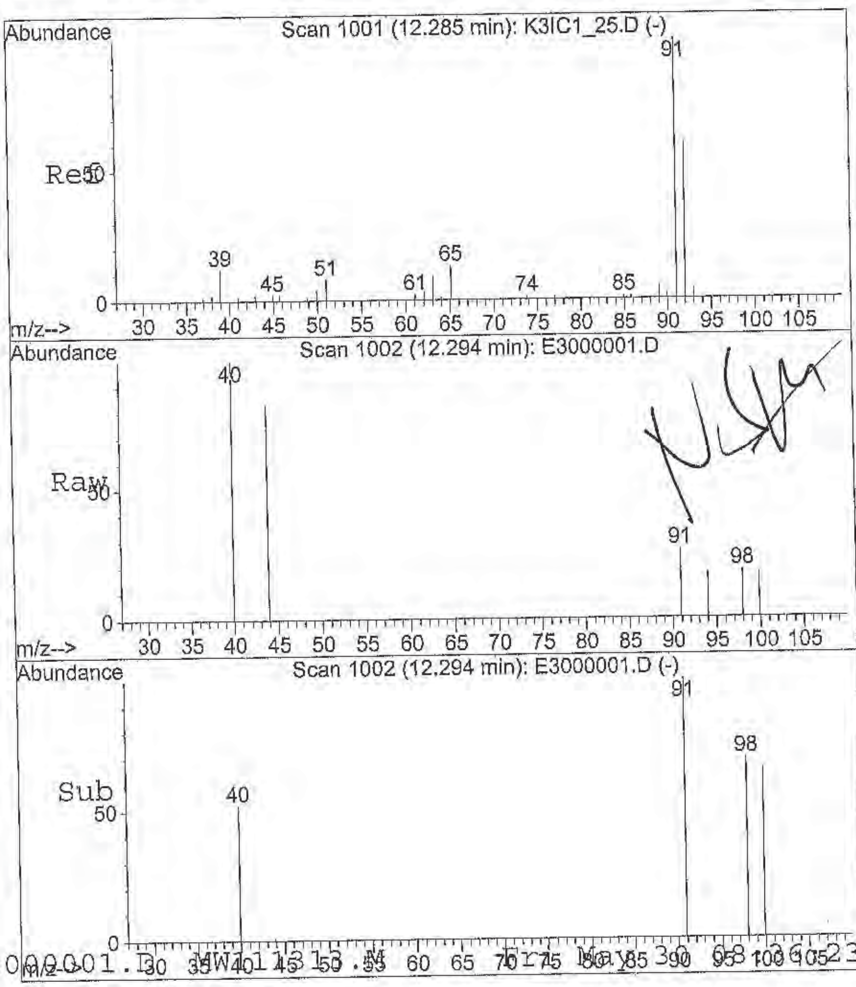


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.88 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.09 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 43 Resp: 6869

Ion	Ratio	Lower	Upper
43	100		
58	126.1	0.0	0.0#
85	0.0	0.0	0.0
100	12664.5	0.0	0.0#

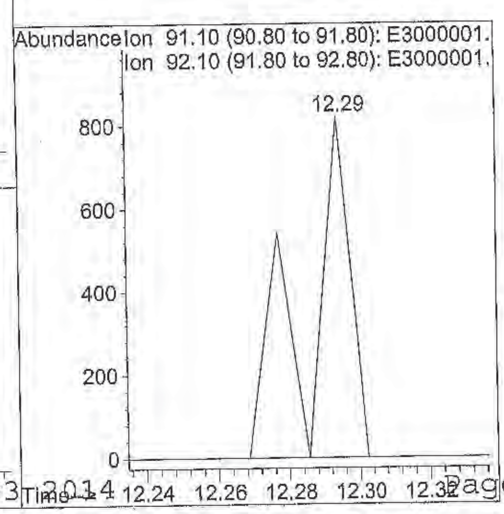


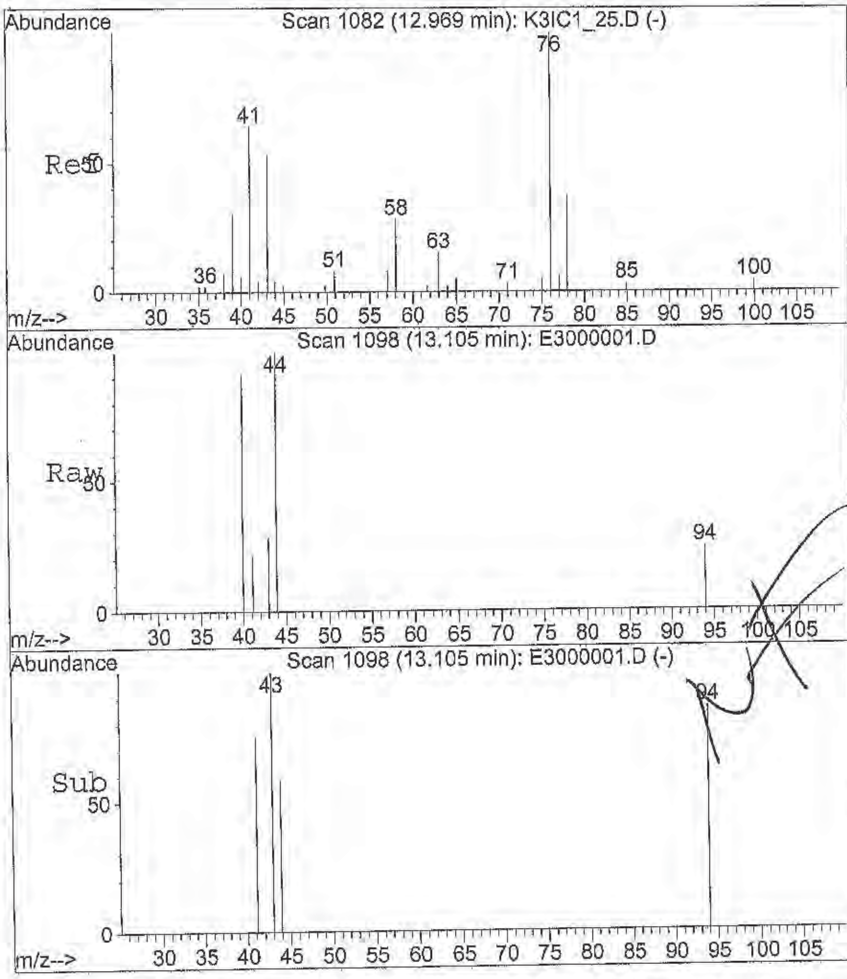


#41
Toluene
Concen: 0.04 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.01 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 91 Resp: 690

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

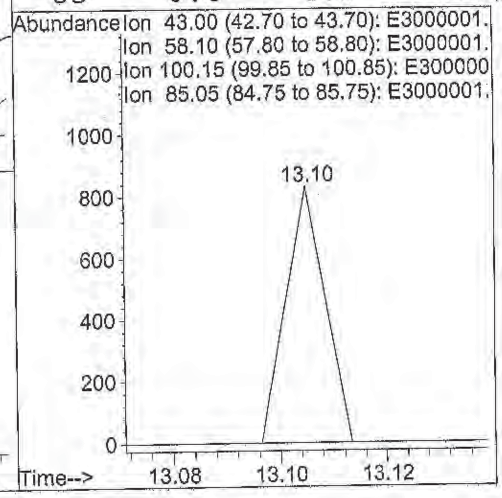


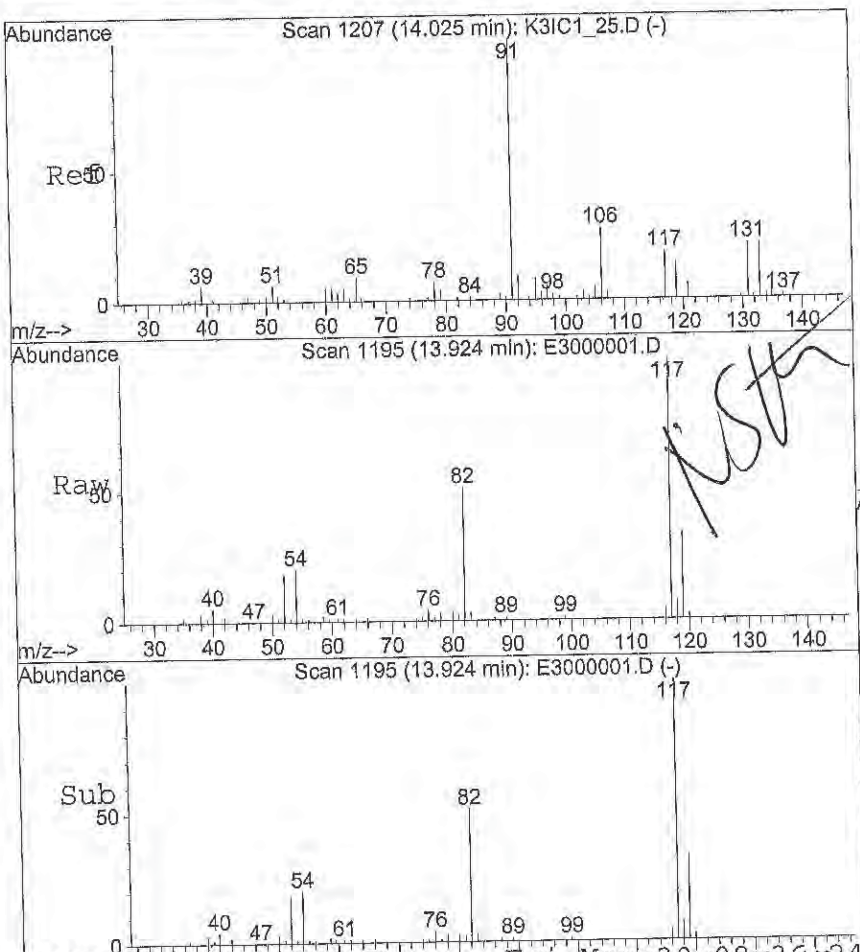


#46
2-Hexanone
Concen: 0.16 ug/L
RT: 13.10 min Scan# 1098
Delta R.T. 0.14 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 43 Resp: 421

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

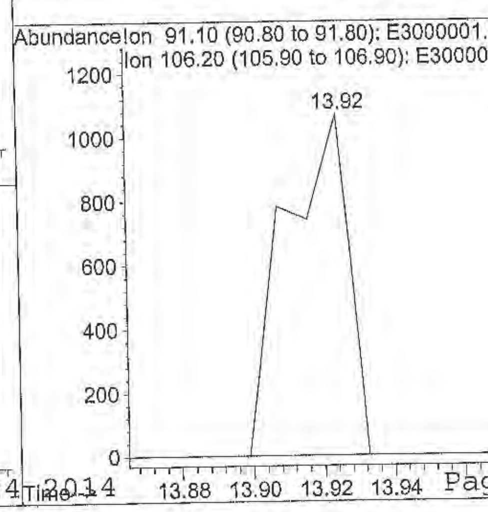


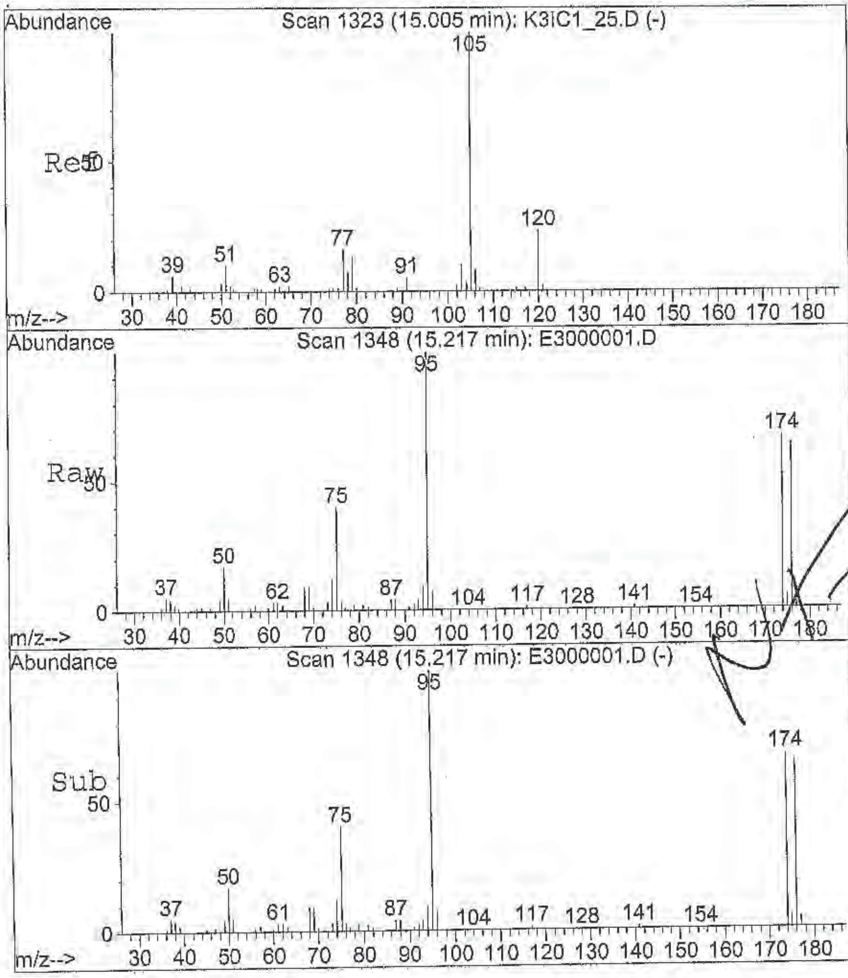


#51
Ethylbenzene
Concen: 0.07 ug/L
RT: 13.92 min Scan# 1195
Delta R.T. -0.10 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt Ion: 91 Resp: 1315

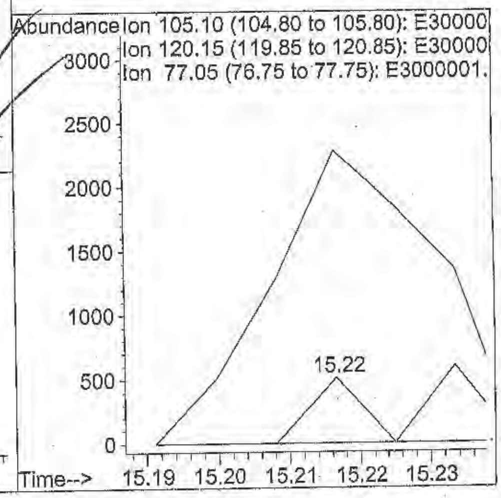
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

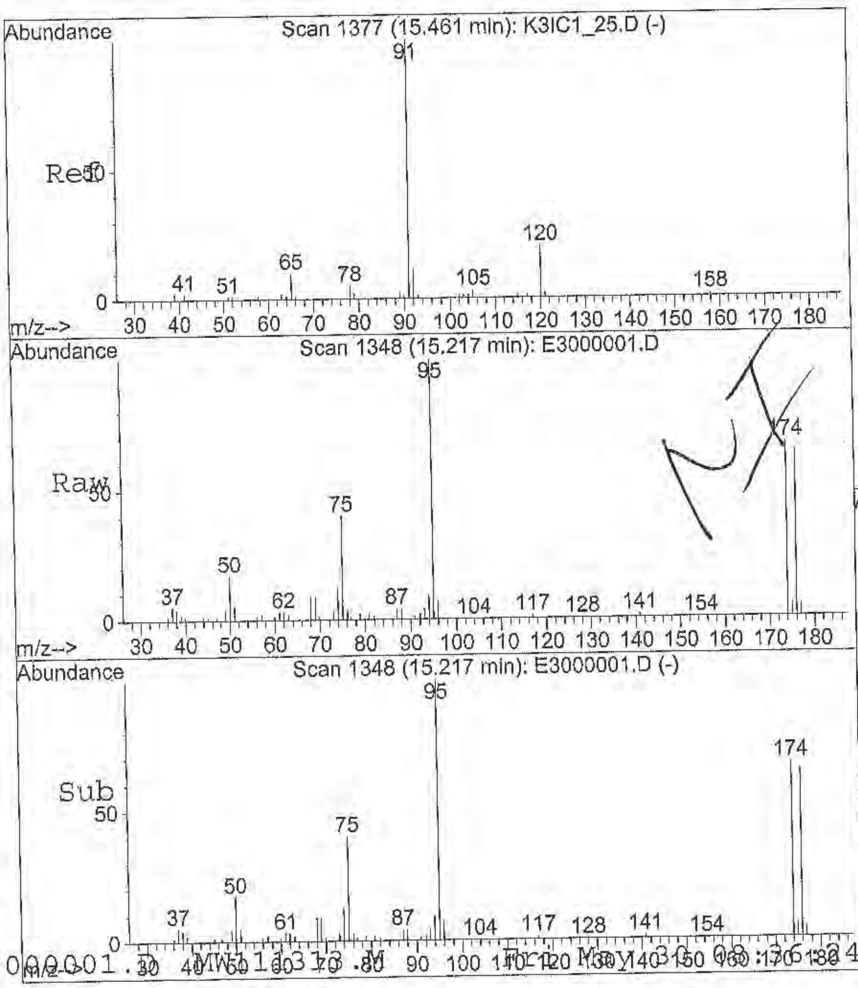




#56
Isopropylbenzene
Concen: 0.01 ug/L
RT: 15.22 min Scan# 1348
Delta R.T. 0.21 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

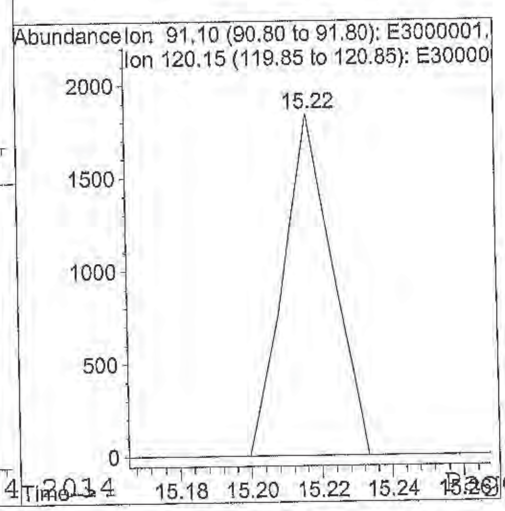
Tgt	Ion:105	Resp:	257
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	1430.4	13.1	19.7#

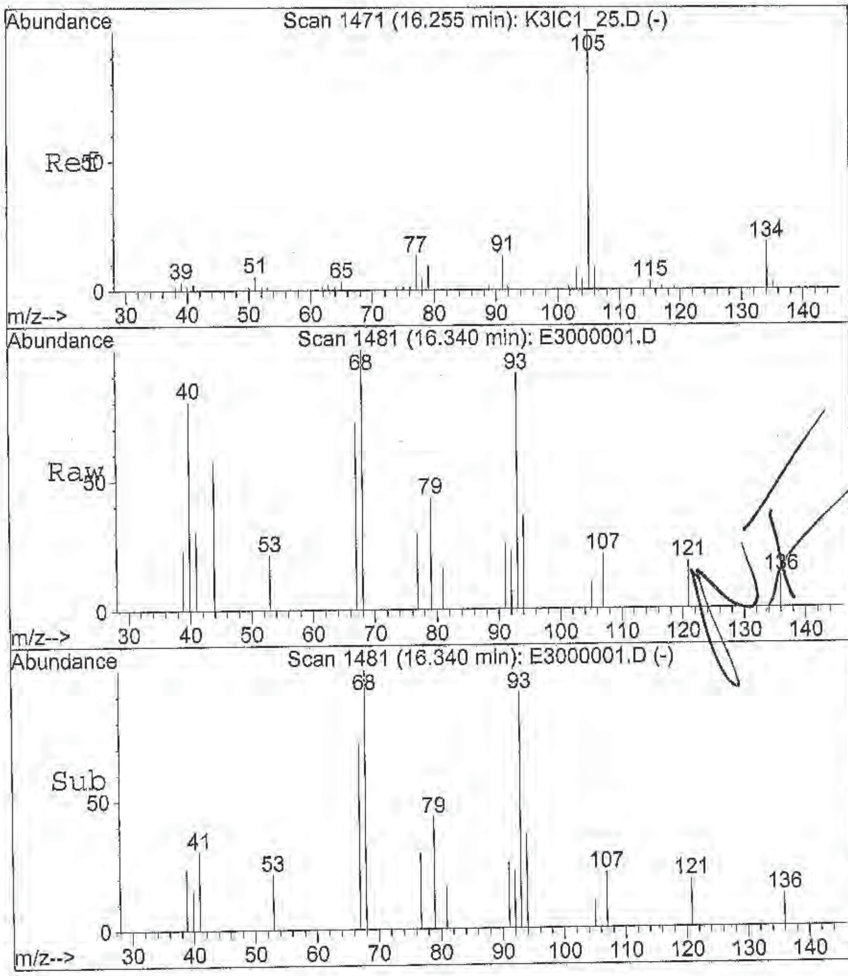




#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.22 min Scan# 1348
Delta R.T. -0.24 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

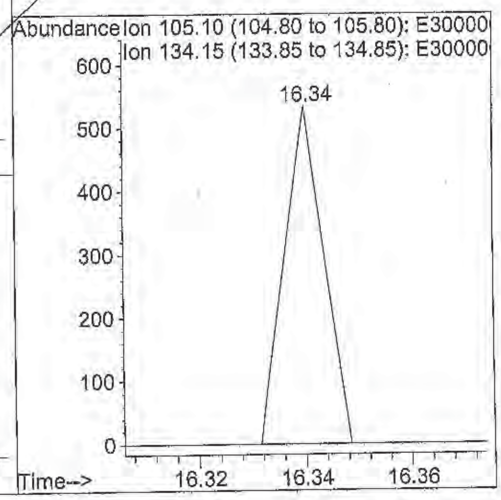
Tgt	Ion: 91	Resp:	1763
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#





#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.34 min Scan# 1481
Delta R.T. 0.09 min
Lab File: E3000001.D
Acq: 30 May 2014 8:15 am

Tgt	Ion:105	Resp:	271
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#



Data File : C:\HPCHEM\1\DATA\053014L3\E3000001.D Vial: 11
Acq On : 30 May 2014 8:15 am Operator: DN
Sample : 3E43001-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 8:35 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1463339	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1193802	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	650445	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	420773	11.06	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	88.48%		
3) Chloroform-d (SU6)	9.19	84	649682	11.90	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	95.20%		
4) Methylene Chloride-d2 (SU5	7.07	86	376635	11.80	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	94.40%		
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	404078	15.54	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	124.32%		
6) Benzene-d6 (SU7)	9.93	84	1292767	11.26	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	90.08%		
8) Toluene-d8 (SU3)	12.21	98	1315571	11.62	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.96%		
9) 4-Bromofluorobenzene (SU4)	15.22	95	648844	13.88	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.04%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

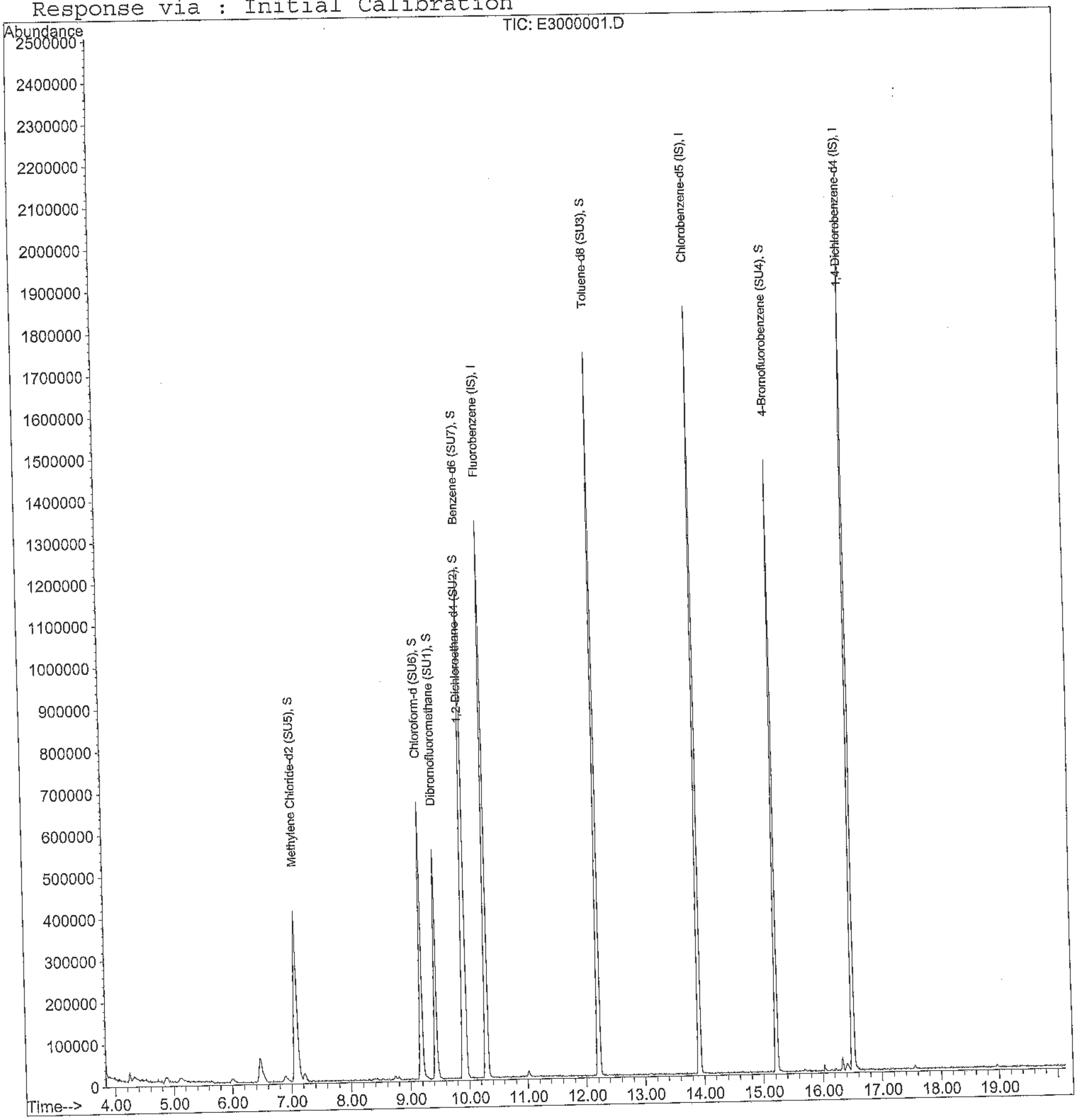
Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000001.D
Acq On : 30 May 2014 8:15 am
Sample : 3E43001-01
Misc : 100cc Equipment Blank
MS Integration Params: rteint.p
Quant Time: May 30 8:35 19114

Vial: 11
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000002.D Vial: 1
Acq On : 30 May 2014 8:44 am Operator: DN
Sample : 3E43001-02 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:09 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1550819	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1252005	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	689089	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	448446	11.59	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	=	92.72%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	422967	11.51	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	92.08%	
39) Toluene-d8 (SU3)	12.20	98	1415188	12.12	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	96.96%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	704857	13.76	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	110.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.38	50	824	-0.90	ug/L ND	34
6) Bromomethane	5.12	96	9764	3.95	~~ug/L~~	98
7) Chloroethane	5.08	64	801	1.31	~~ug/L~~	89
8) (F11) Trichlorofluorometha	5.69	101	264	0.06	~~ug/L~~ #	16
11) Acetone	6.47	58	7065	6.95	~~ug/L~~	76
12) (IPA) Leak Check Compound	6.49	45	118902	638.05	~~ug/L~~ #	85
13) Carbon disulfide	6.85	76	17778	1.38	~~ug/L~~ #	76
14) Methylene Chloride	7.07	84	5202	1.22	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.88	59	2054	7.77	~~ug/L~~ #	77
24) Chloroform	9.21	83	4412	0.54	~~ug/L~~ # NSU	18
25) (ETBE) 2-ethoxy 2-methyl p	8.38	59	1000	0.09	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.92	75	514	0.09	~~ug/L~~ #	1
31) Benzene	9.98	78	9396	0.64	~~ug/L~~ #	77
32) 1,2-Dichloroethane	9.93	62	7123	1.38	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.11	43	314	0.13	~~ug/L~~ #	100
41) Toluene	12.29	91	10993	0.64	ug/L 0.0128	91
46) 2-Hexanone	12.99	43	917	0.33	~~ug/L~~ #	37
51) Ethylbenzene	14.15	91	8003	0.41	~~ug/L~~	90
52) m,p-Xylenes	14.15	106	3626	0.53	ug/L 0.0106	100
53) o-Xylene	14.61	106	761	0.11	ug/L # NSU 0.0022	1
54) Styrene	14.64	104	1994	-0.67	~~ug/L~~ #	86
56) Isopropylbenzene	15.23	105	2675	0.14	~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E3000002.D Vial: 1
Acq On : 30 May 2014 8:44 am Operator: DN
Sample : 3E43001-02 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:09 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

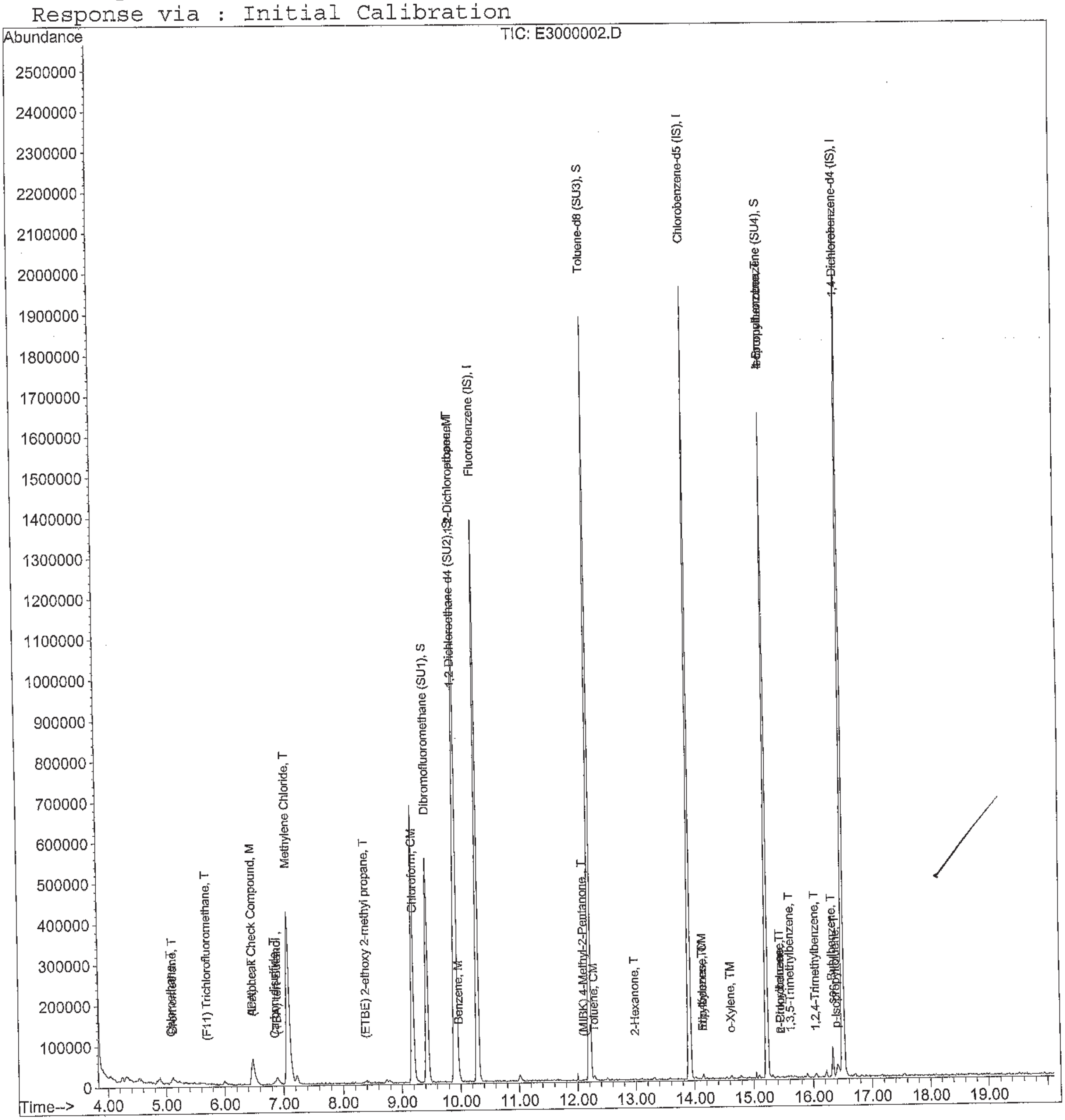
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
62) n-Propylbenzene	15.46	91	489	0.02 ~~ug/L~~ # NSM	56
63) 2-Chlorotoluene	15.46	91	489	0.03 ~~ug/L~~ #	45
64) 1,3,5-Trimethylbenzene	15.63	105	290	0.02 ~~ug/L~~ #	31
67) 1,2,4-Trimethylbenzene	16.06	105	2867	0.16 ~~ug/L~~	98
68) sec-Butylbenzene	16.33	105	360	0.02 ~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	1046	0.06 ~~ug/L~~ #	52

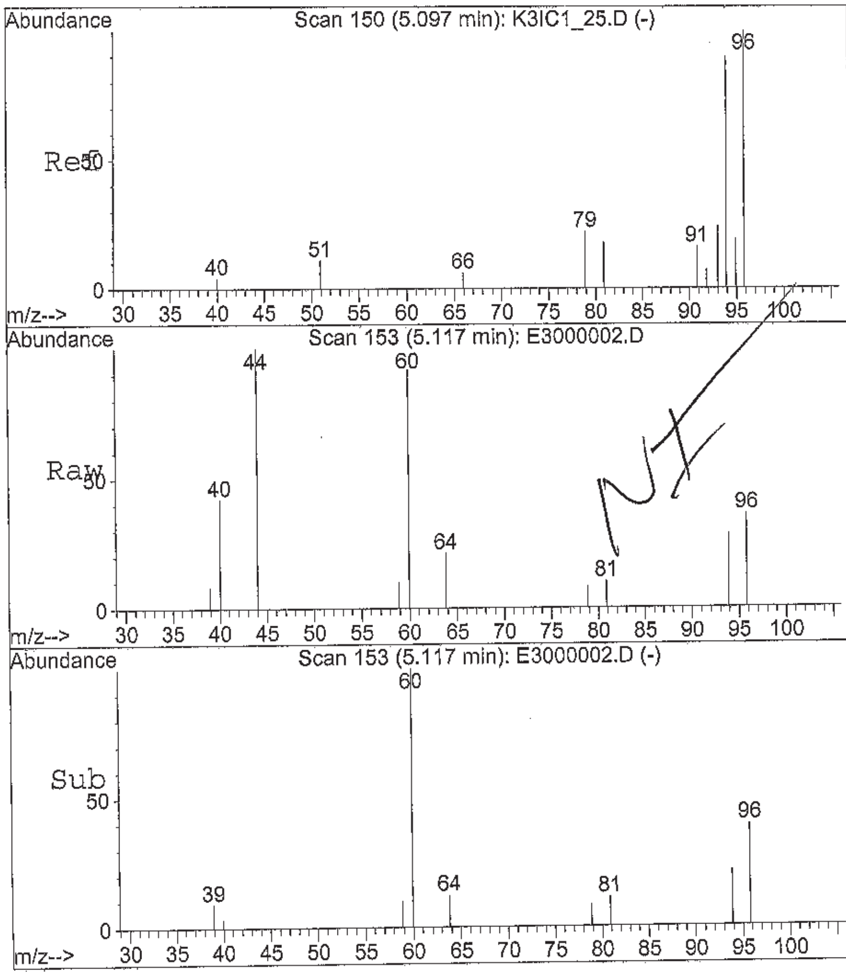
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000002.D Vial: 1
Acq On : 30 May 2014 8:44 am Operator: DN
Sample : 3E43001-02 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:09 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

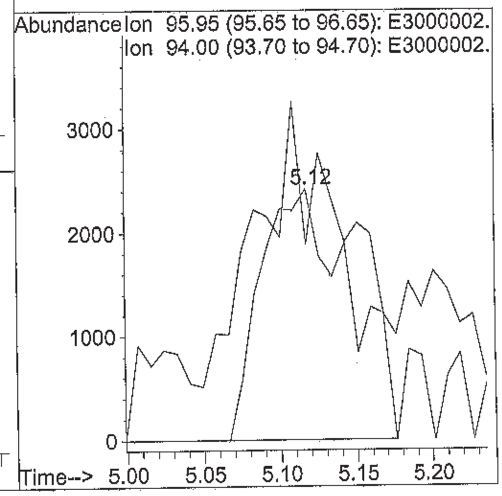


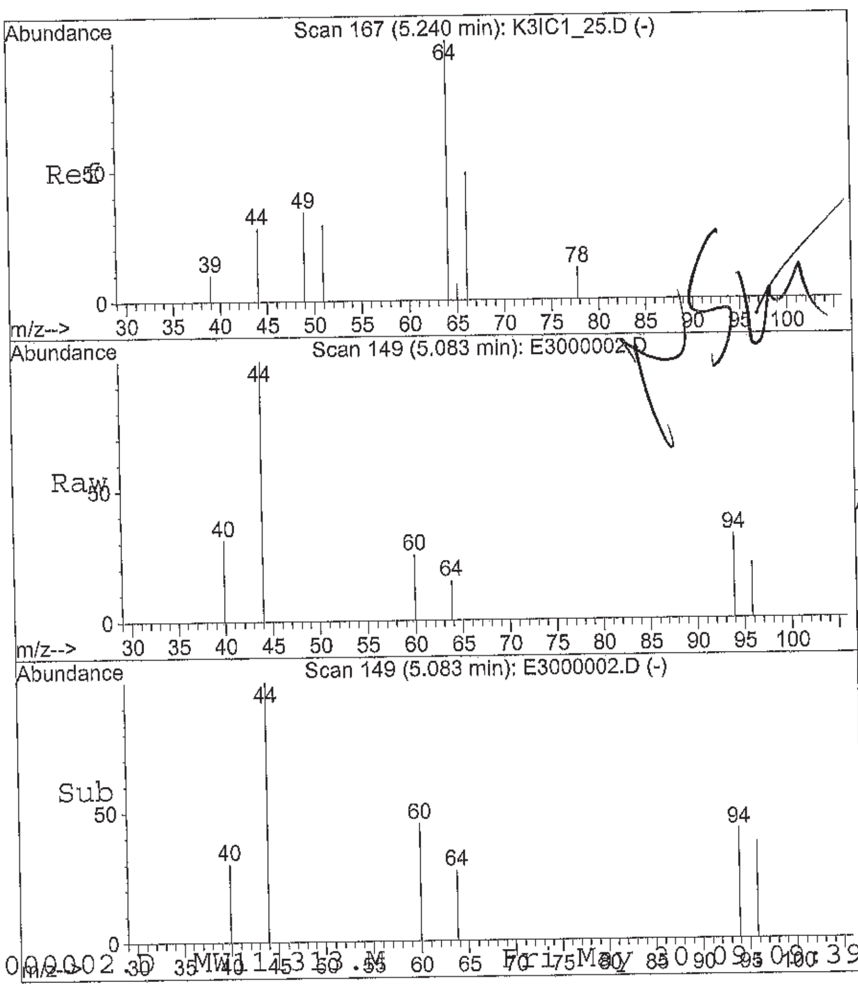


#6
Bromomethane
Concen: 3.95 ug/L
RT: 5.12 min Scan# 153
Delta R.T. 0.02 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 96 Resp: 9764

Ion	Ratio	Lower	Upper
96	100		
94	128.9	101.0	151.4

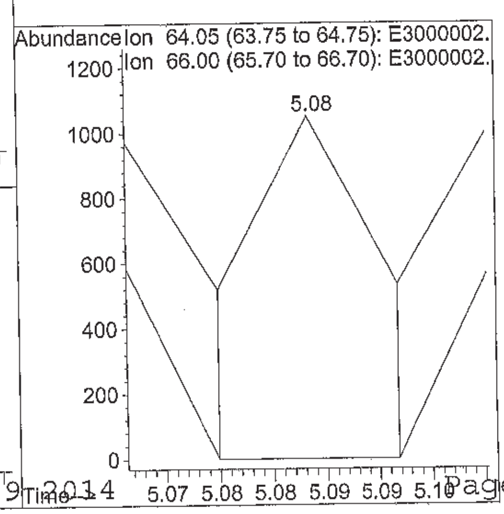


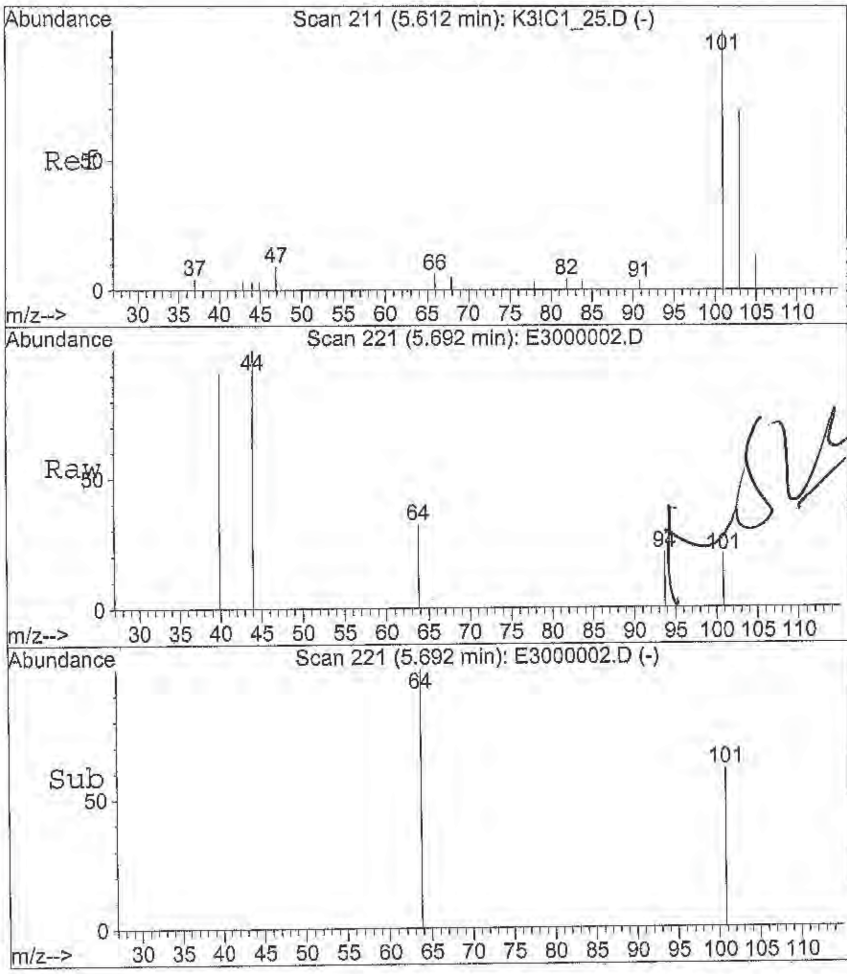


#7
Chloroethane
Concen: 1.31 ug/L
RT: 5.08 min Scan# 149
Delta R.T. -0.16 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 64 Resp: 801

Ion	Ratio	Lower	Upper
64	100		
66	37.0	35.4	53.0

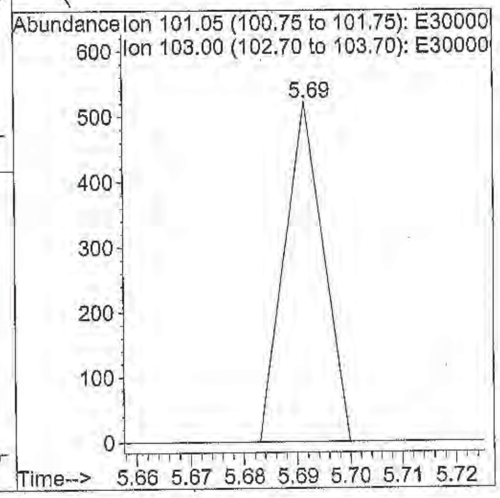


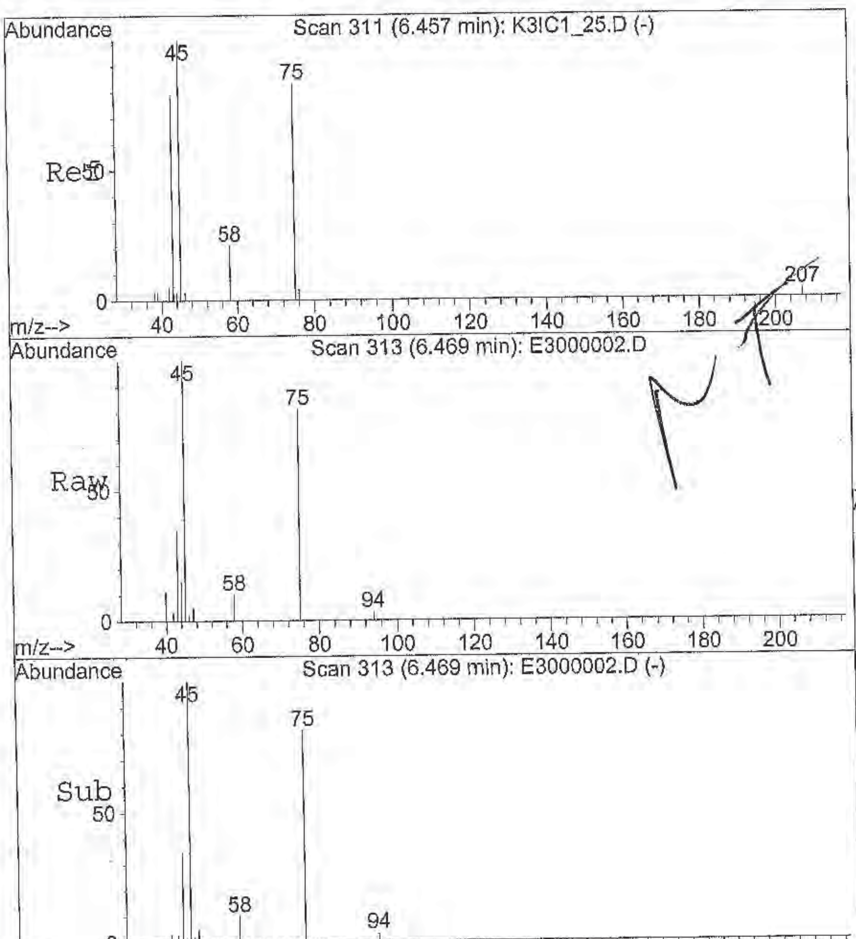


#8
(F11) Trichlorofluoromethane
Concen: 0.06 ug/L
RT: 5.69 min Scan# 221
Delta R.T. 0.08 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion:101 Resp: 264

Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.5	81.7#

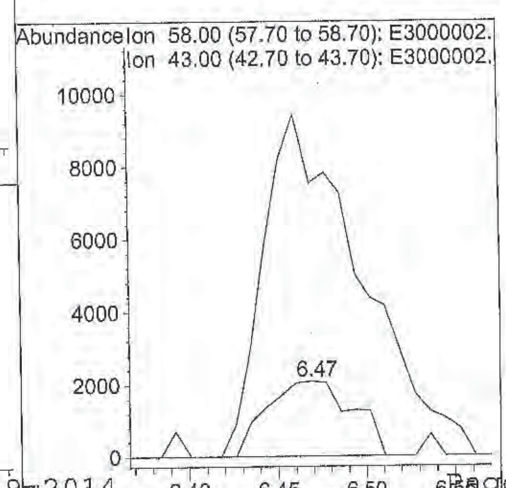




#11
Acetone
Concen: 6.95 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 58 Resp: 7065

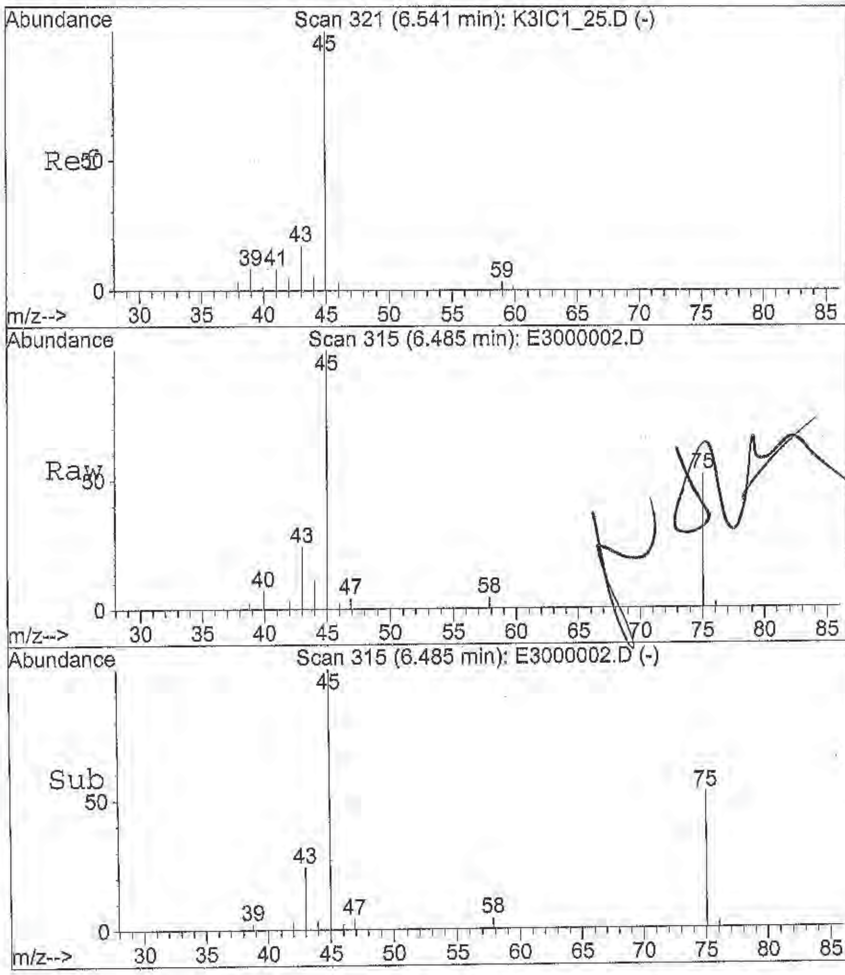
Ion	Ratio	Lower	Upper
58	100		
43	512.9	360.9	541.3

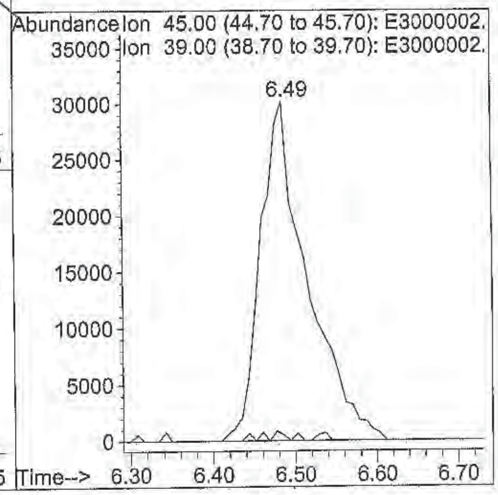


#12
(IPA) Leak Check Compound
Concen: 638.05 ug/L
RT: 6.49 min Scan# 315
Delta R.T. -0.06 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 45 Resp: 118902

Ion	Ratio	Lower	Upper
45	100		
39	0.9	4.9	7.3#

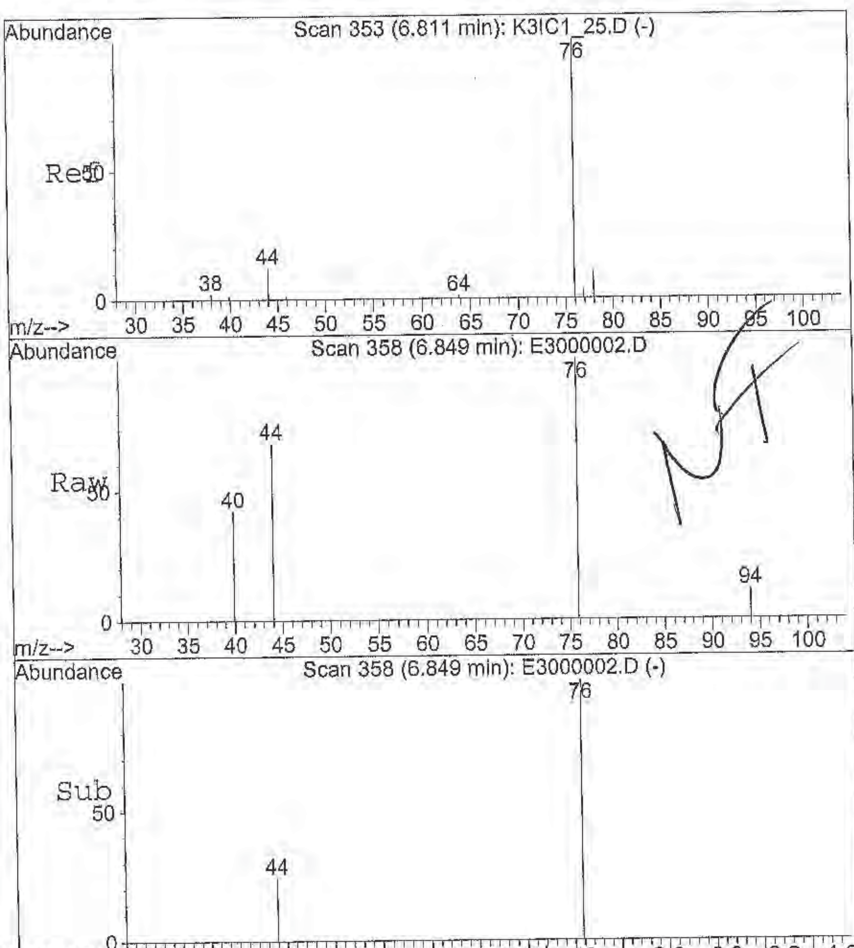


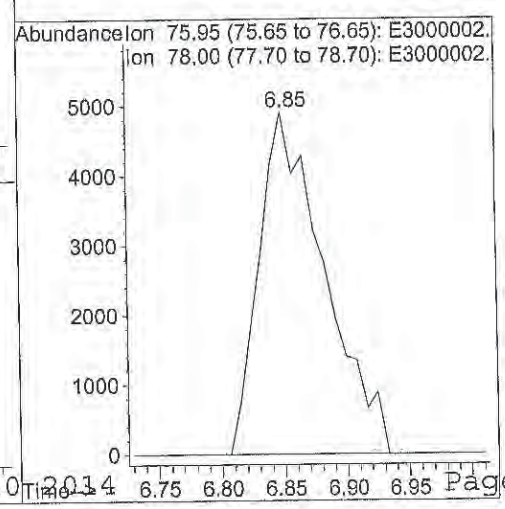


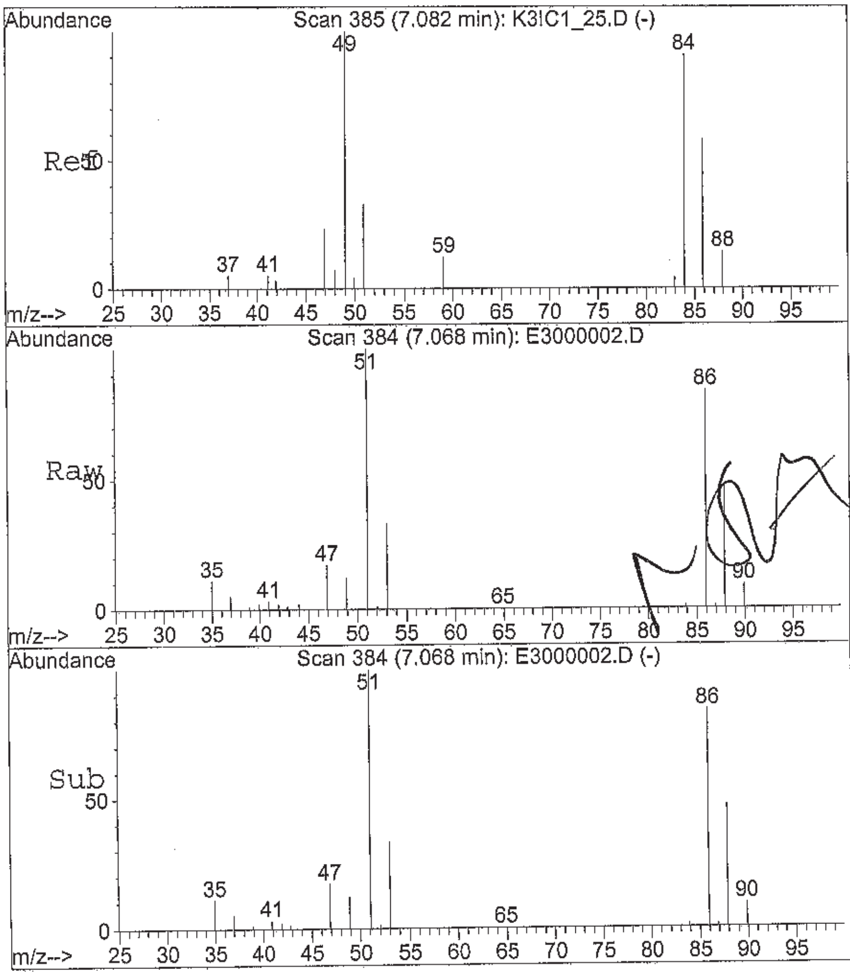
#13
Carbon disulfide
Concen: 1.38 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 76 Resp: 17778

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

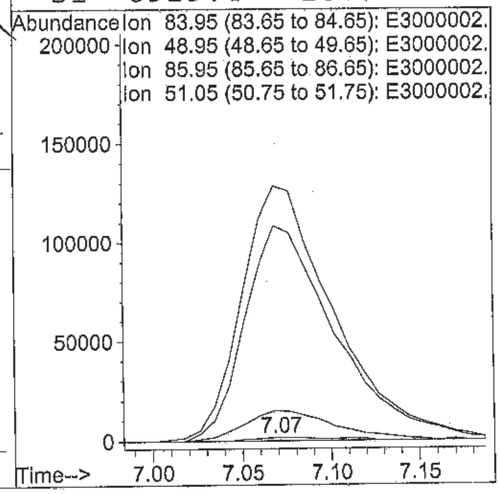


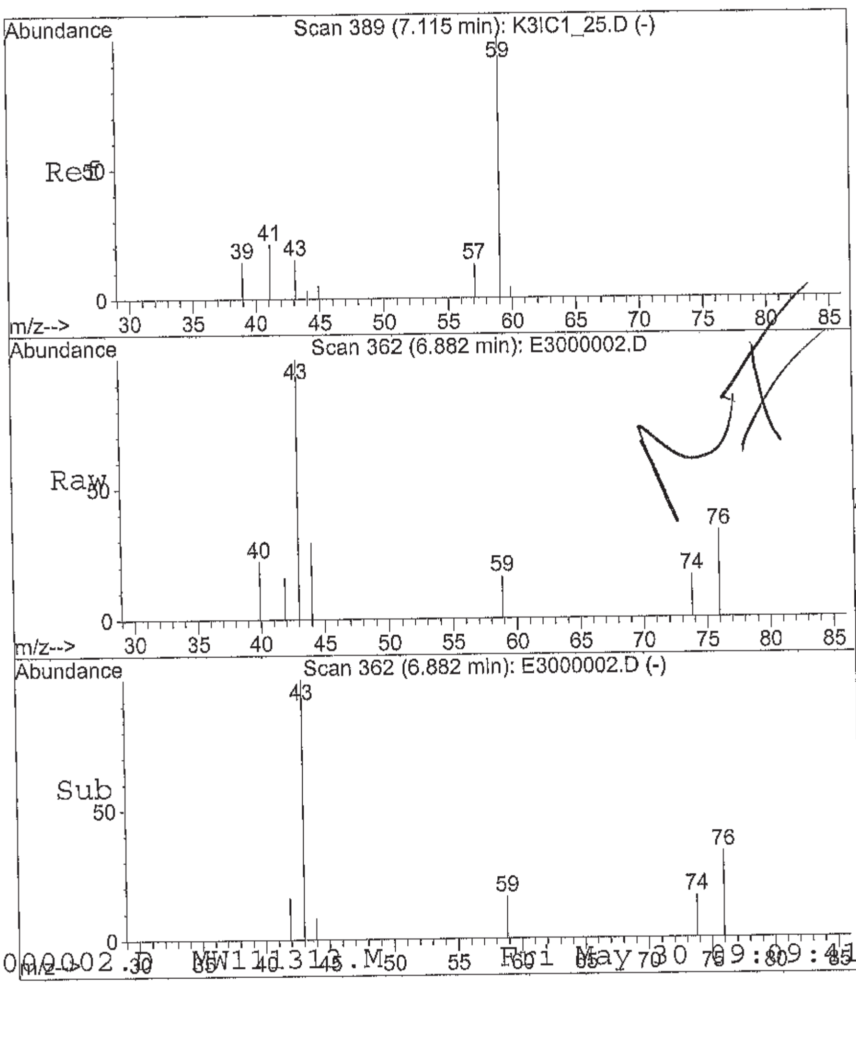




#14
Methylene Chloride
Concen: 1.22 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

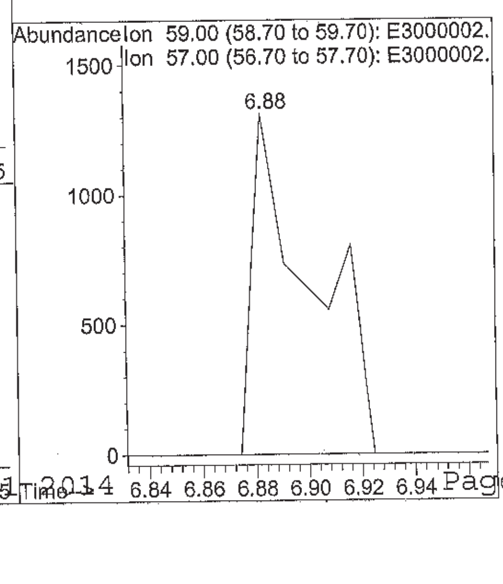
Tgt Ion: 84	Resp:		5202
Ion	Ratio	Lower	Upper
84	100		
49	1024.7	89.8	134.6#
86	7400.4	51.1	76.7#
51	8929.4	28.5	42.7#

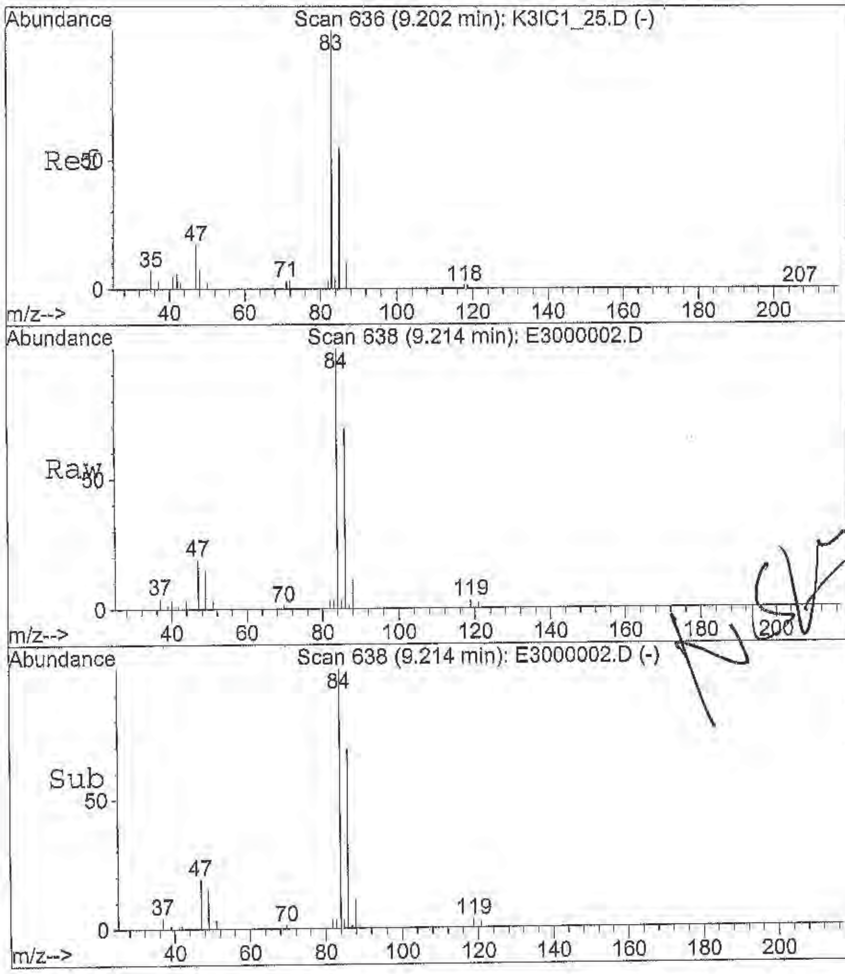




#15
(TBA) tert-Butanol
Concen: 7.77 ug/L
RT: 6.88 min Scan# 362
Delta R.T. -0.23 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 59	Resp:		2054
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

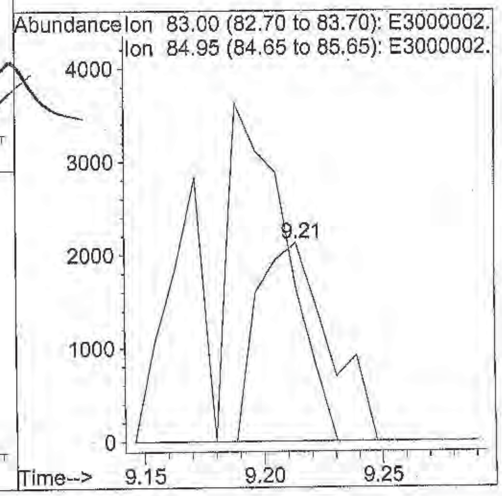


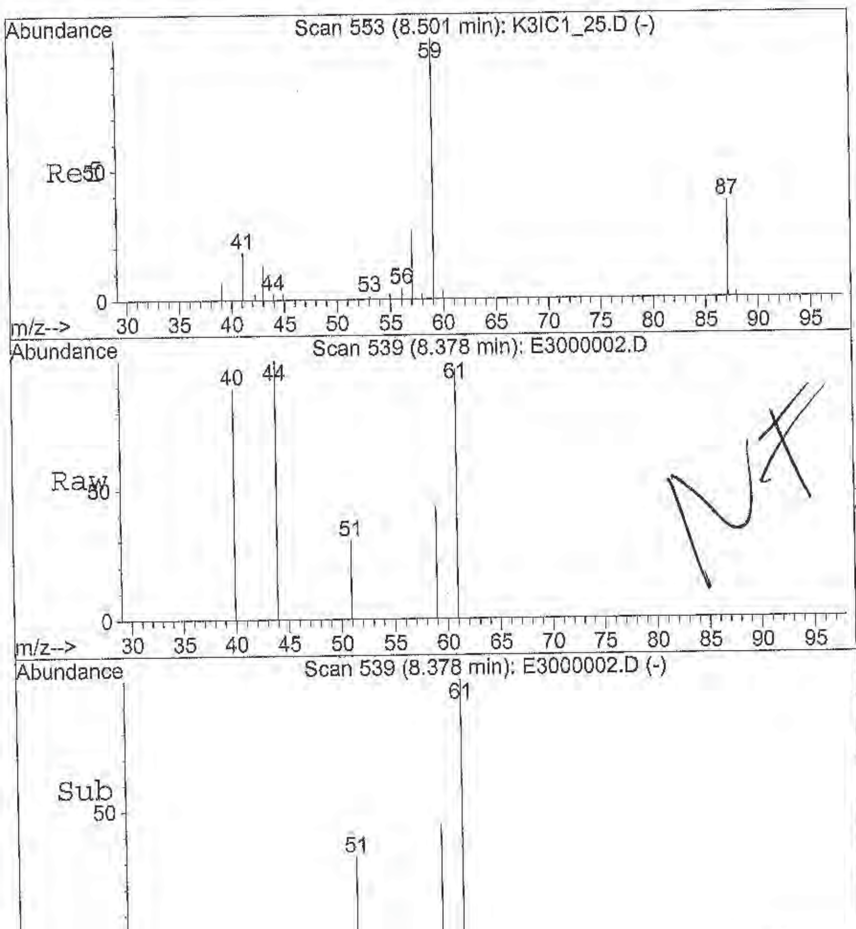


#24
Chloroform
Concen: 0.54 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 83 Resp: 4412

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

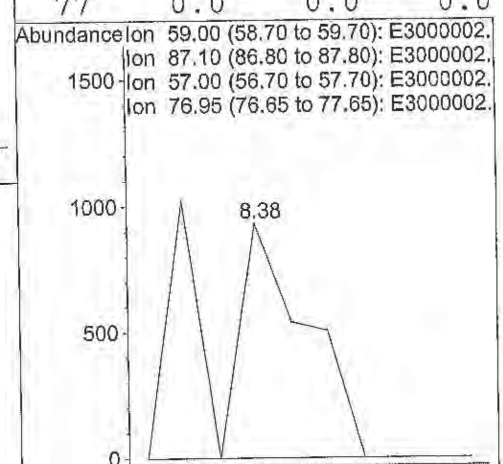


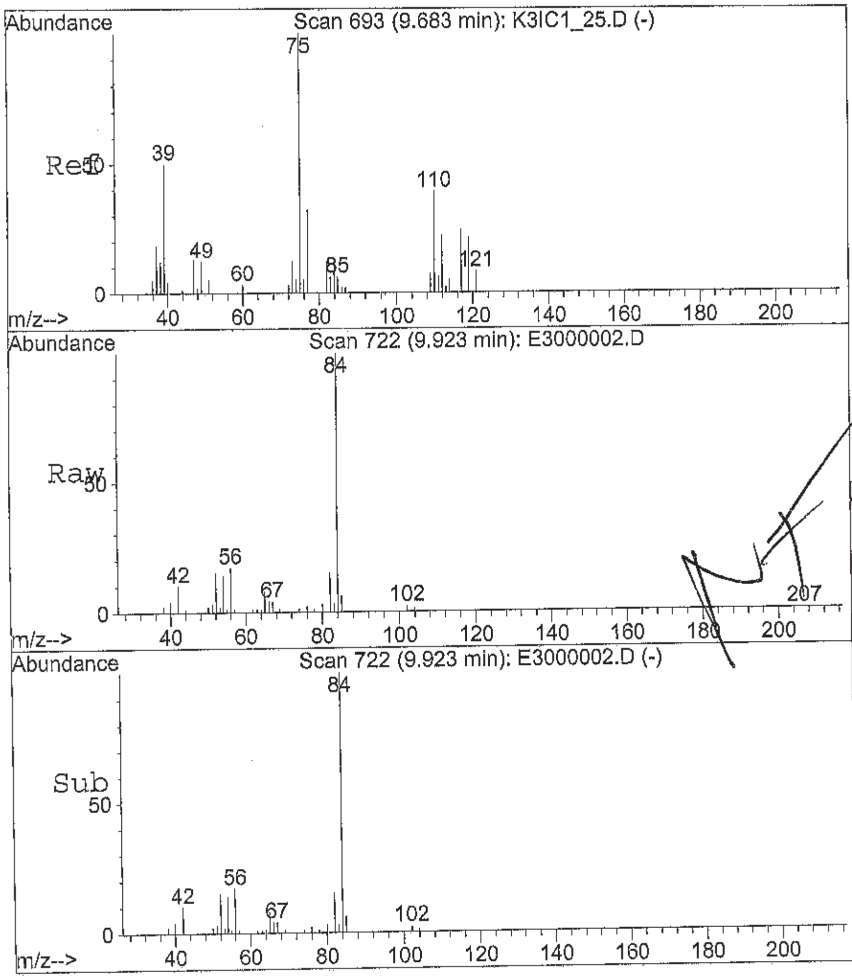


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.09 ug/L
RT: 8.38 min Scan# 539
Delta R.T. -0.12 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 59 Resp: 1000

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

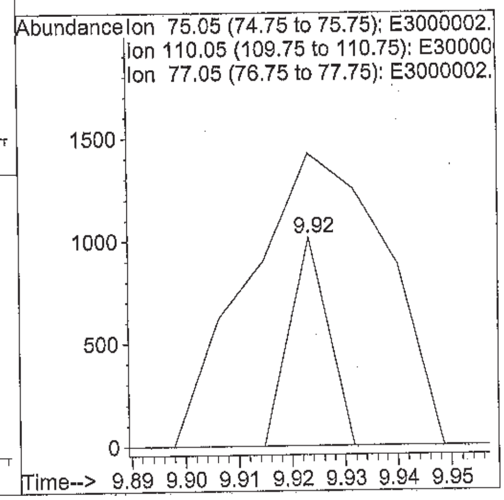


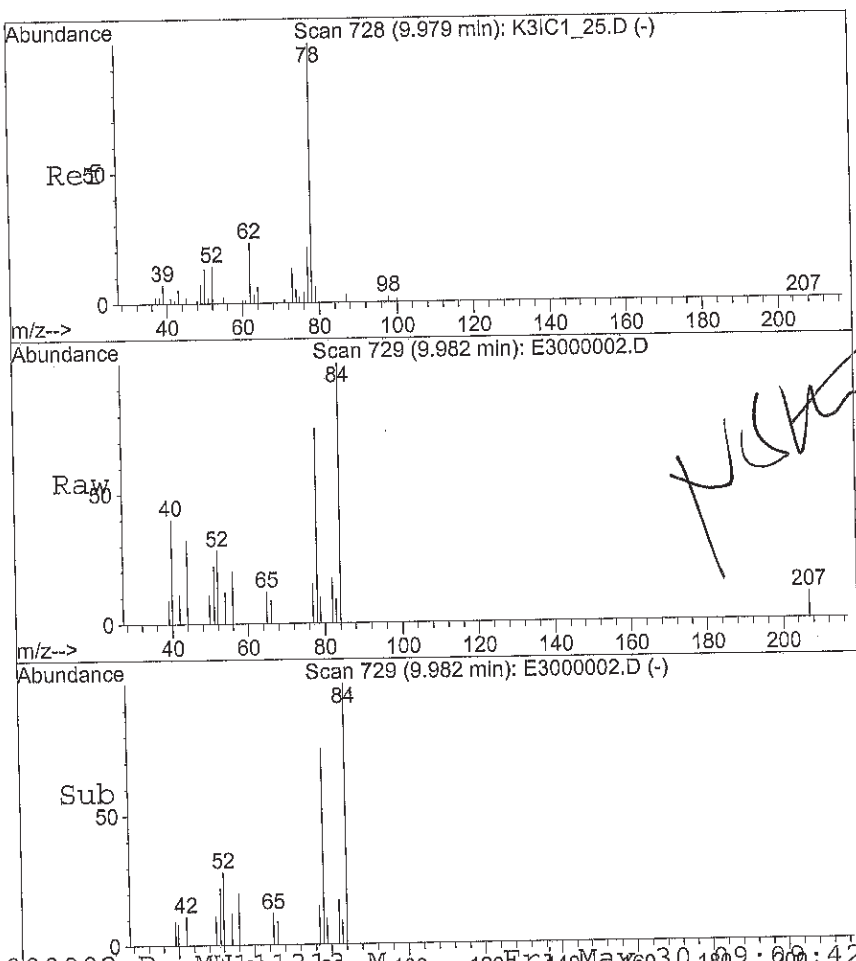


#29
1,1-Dichloropropene
Concen: 0.09 ug/L
RT: 9.92 min Scan# 722
Delta R.T. 0.24 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 75 Resp: 514

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	500.8	25.0	37.4#

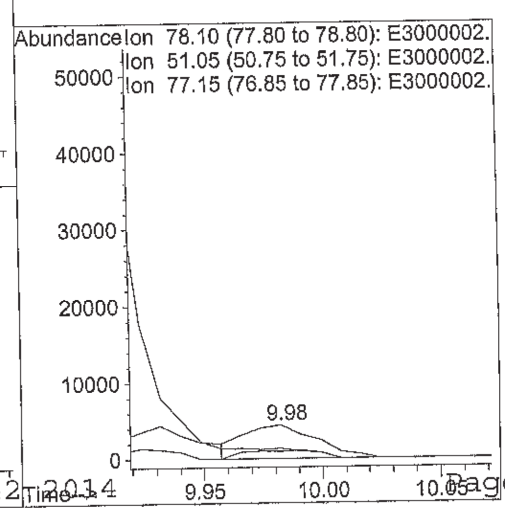


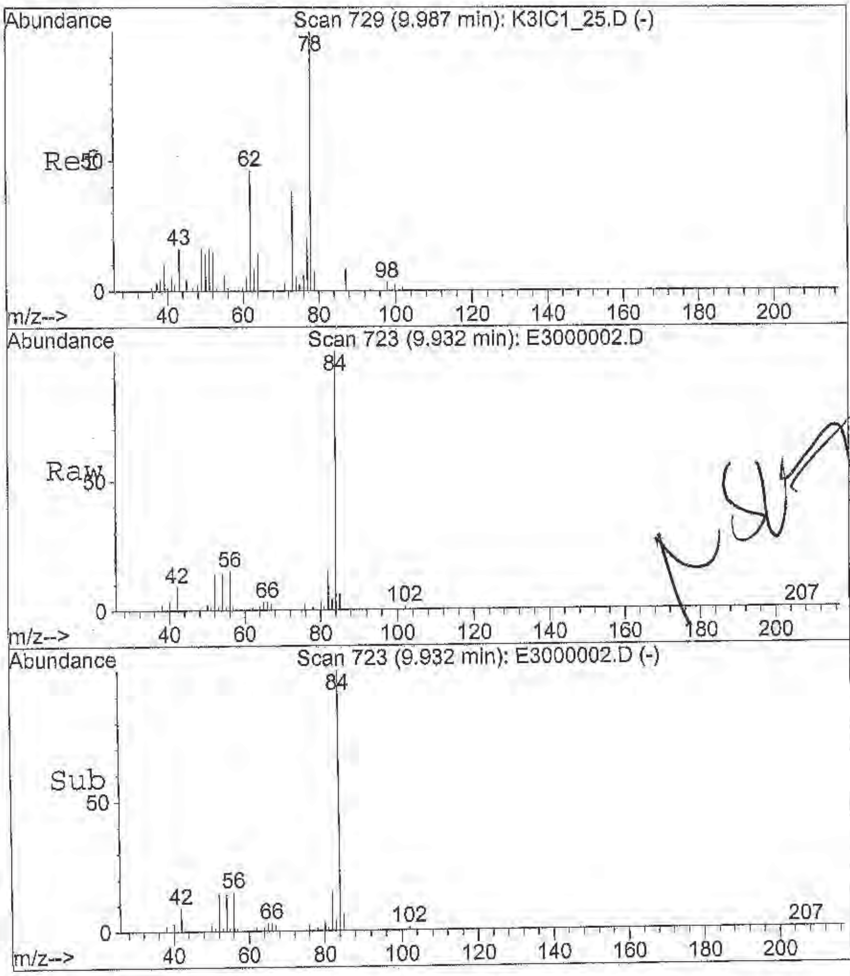


#31
Benzene
Concen: 0.64 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 78 Resp: 9396

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	24.6	16.6	24.8

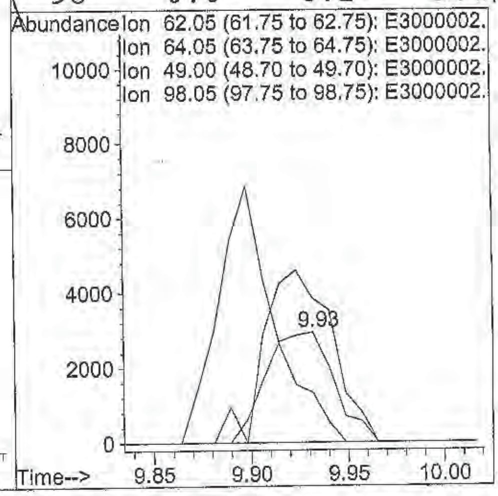


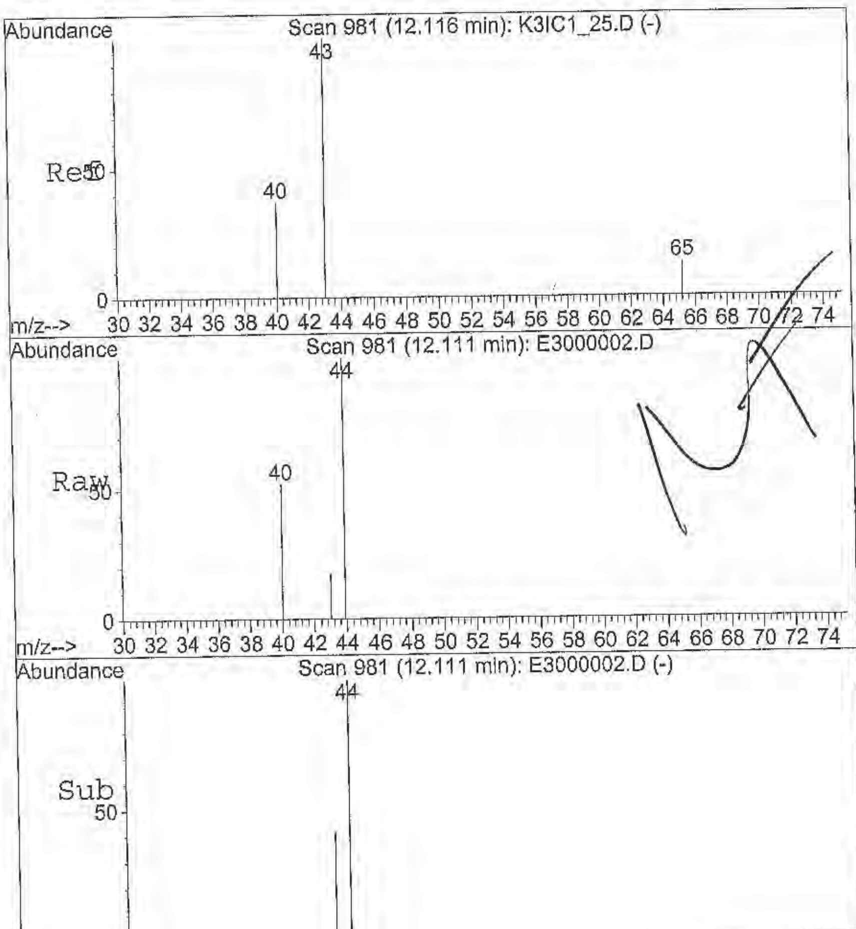


#32
1,2-Dichloroethane
Concen: 1.38 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 62 Resp: 7123

Ion	Ratio	Lower	Upper
62	100		
64	157.6	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

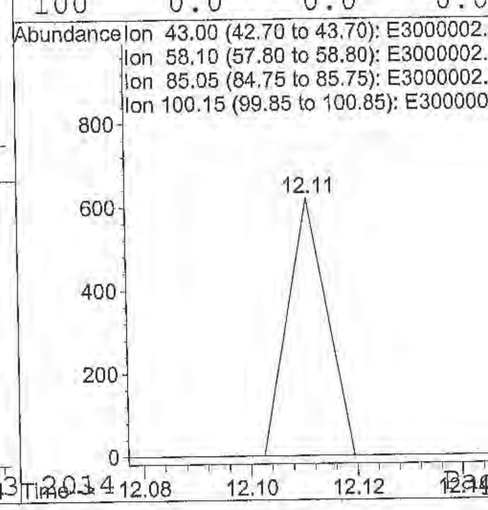


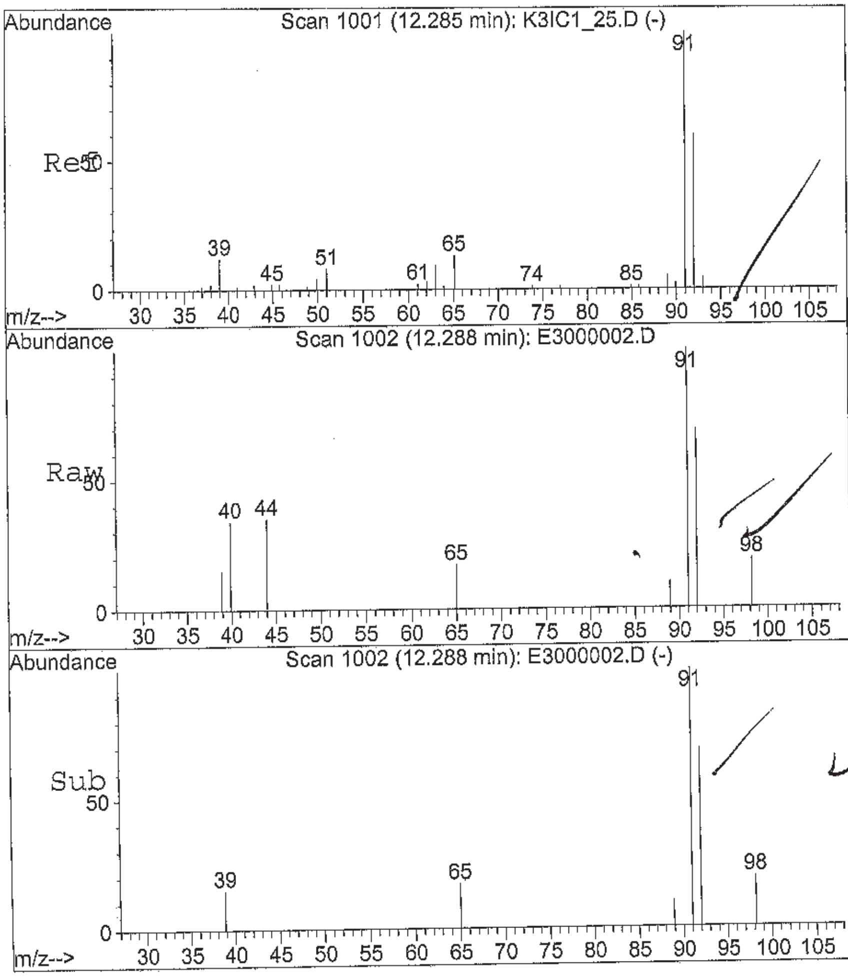


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.13 ug/L
RT: 12.11 min Scan# 981
Delta R.T. -0.00 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 43 Resp: 314

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

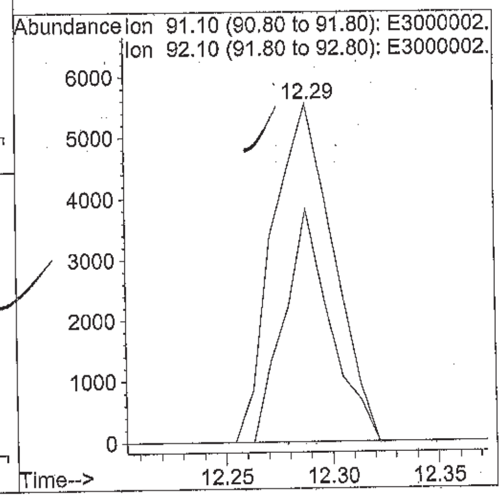


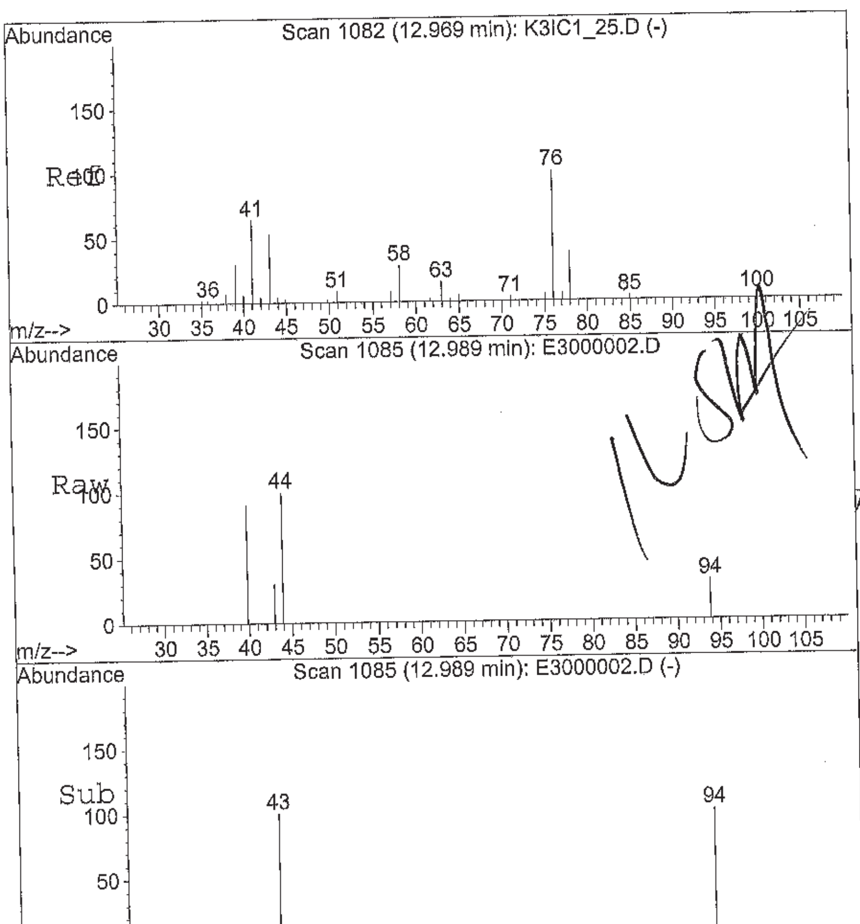


#41
Toluene
Concen: 0.64 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 91 Resp: 10993

Ion	Ratio	Lower	Upper
91	100		
92	52.4	47.4	71.0

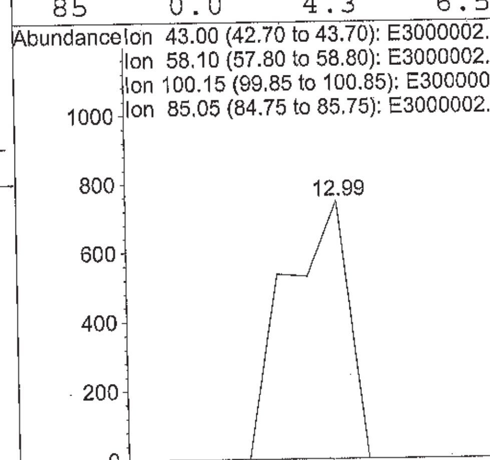


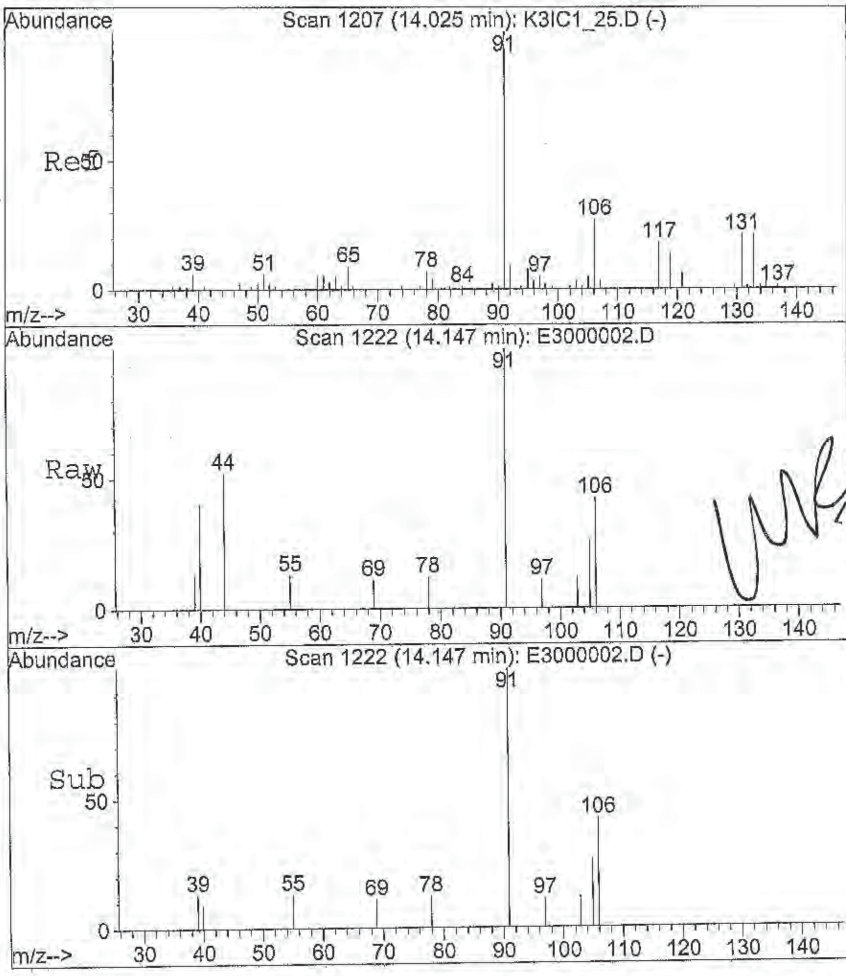


#46
2-Hexanone
Concen: 0.33 ug/L
RT: 12.99 min Scan# 1085
Delta R.T. 0.02 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 43 Resp: 917

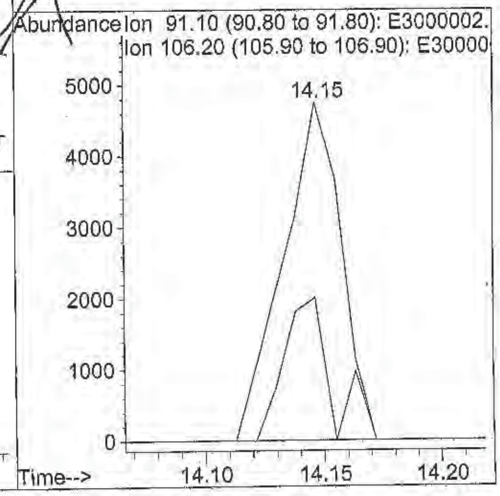
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

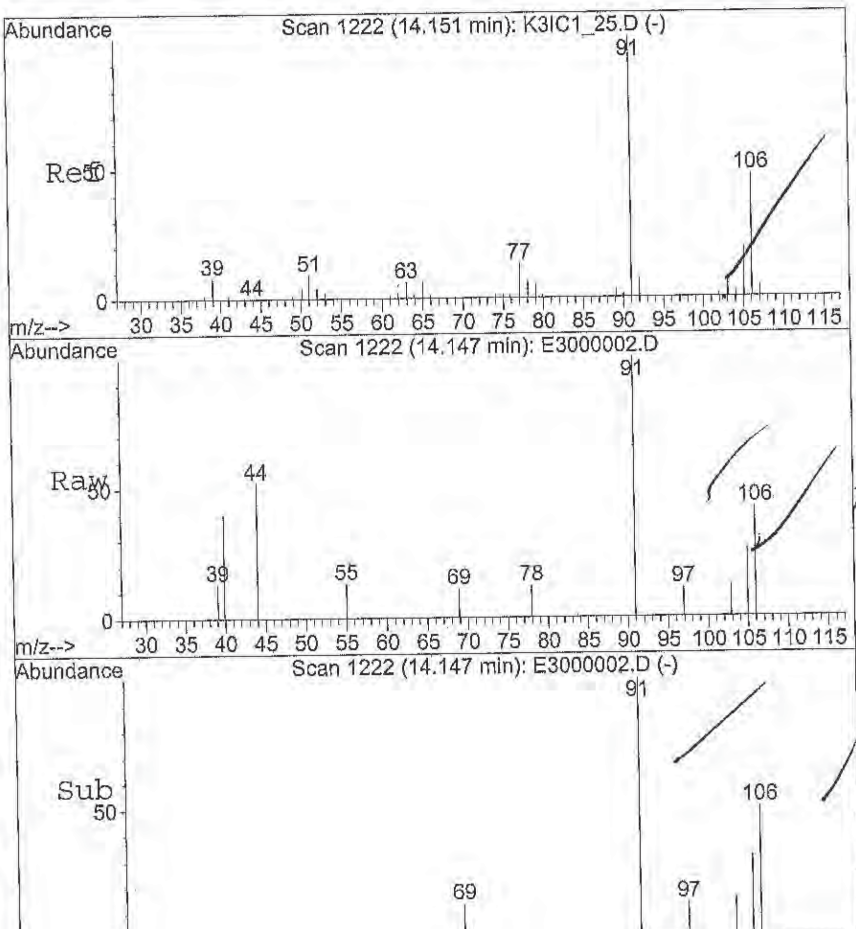




#51
Ethylbenzene
Concen: 0.41 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. 0.12 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

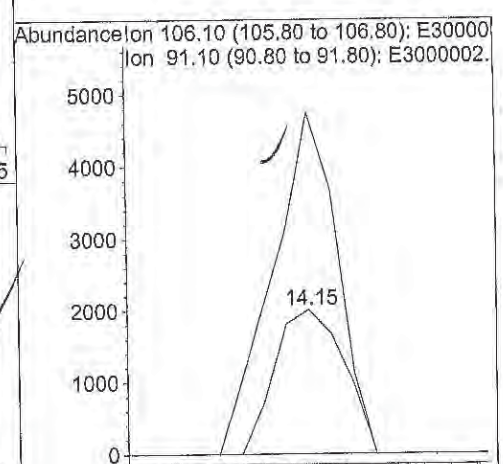
Tgt Ion: 91		Resp:	8003
Ion	Ratio	Lower	Upper
91	100		
106	34.7	23.5	35.3

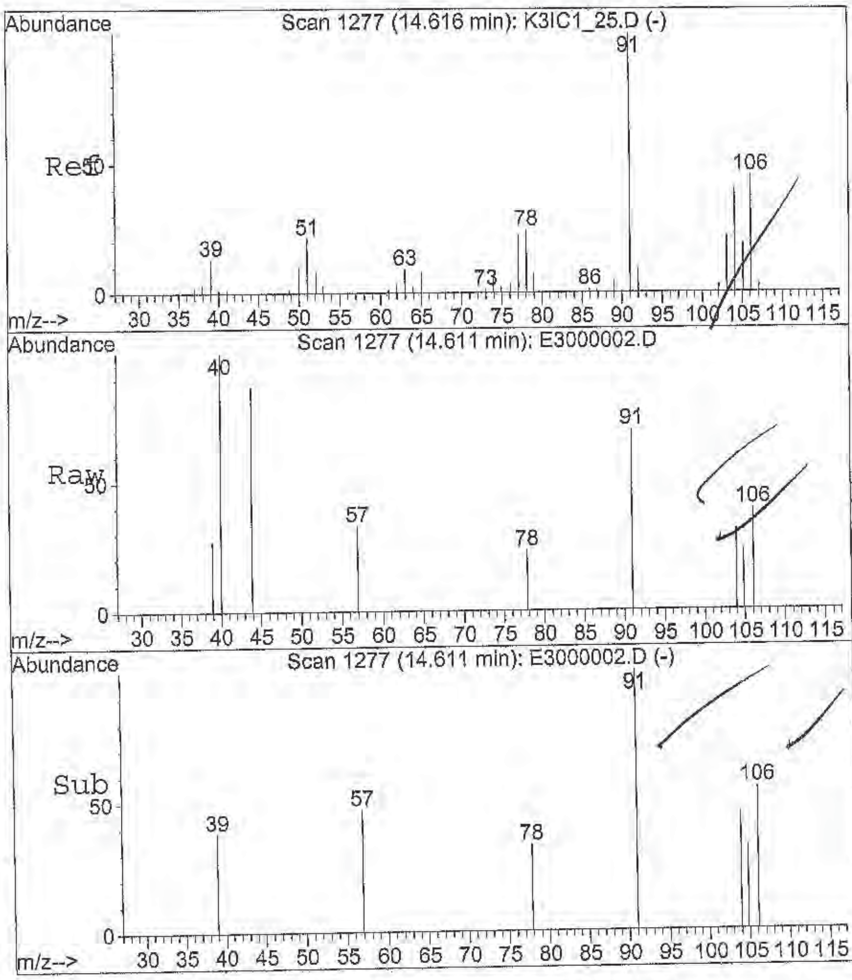




#52
m,p-Xylenes
Concen: 0.53 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.00 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

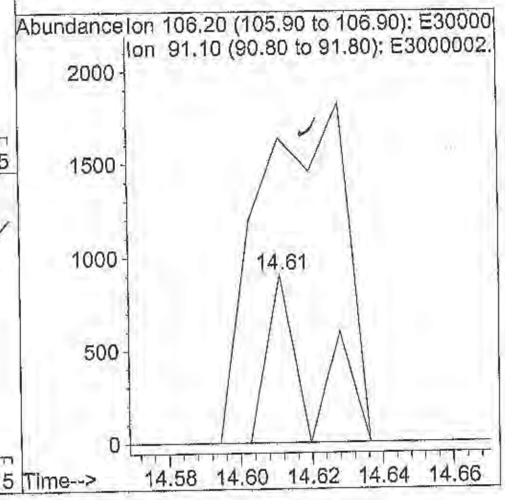
Tgt Ion:106		Resp:	3626
Ion	Ratio	Lower	Upper
106	100		
91	220.7	177.1	265.7

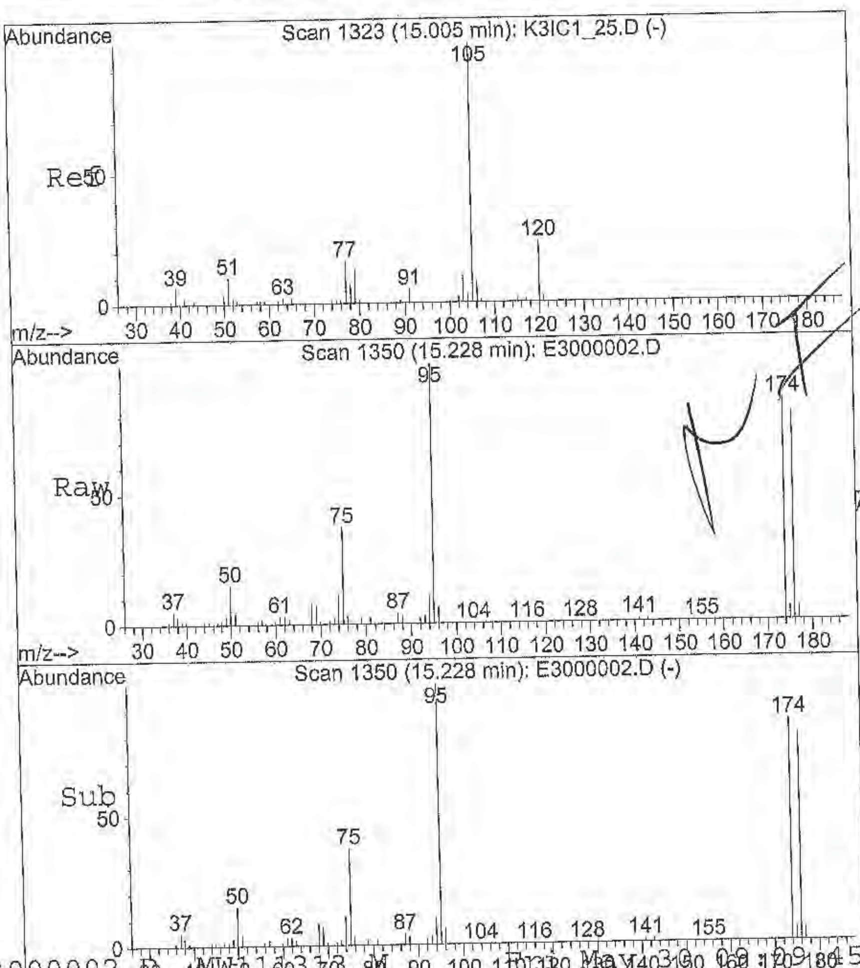




#53
o-Xylene
Concen: 0.11 ug/L
RT: 14.61 min   Scan# 1277
Delta R.T.   -0.00 min
Lab File: E3000002.D
Acq: 30 May 2014   8:44 am

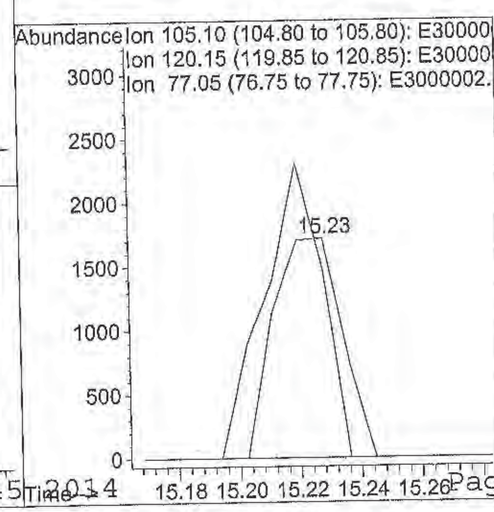
Tgt Ion:106	Resp:		761
Ion	Ratio	Lower	Upper
106	100		
91	407.2	179.0	268.6#

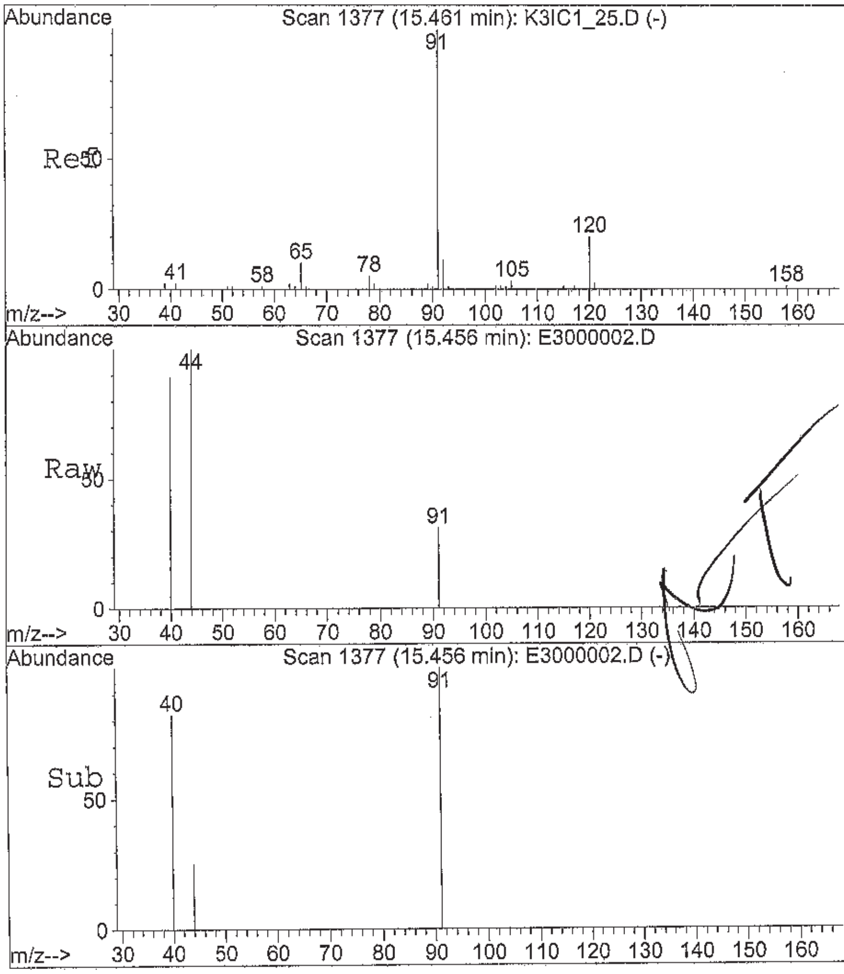




#56
Isopropylbenzene
Concen: 0.14 ug/L
RT: 15.23 min   Scan# 1350
Delta R.T.   0.22 min
Lab File: E3000002.D
Acq: 30 May 2014   8:44 am

Tgt Ion:105	Resp:		2675
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	114.2	13.1	19.7#

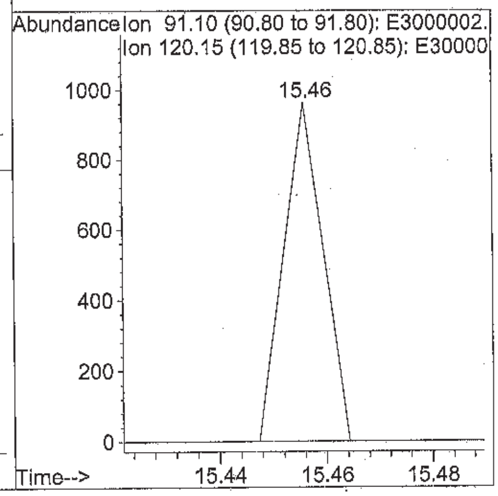


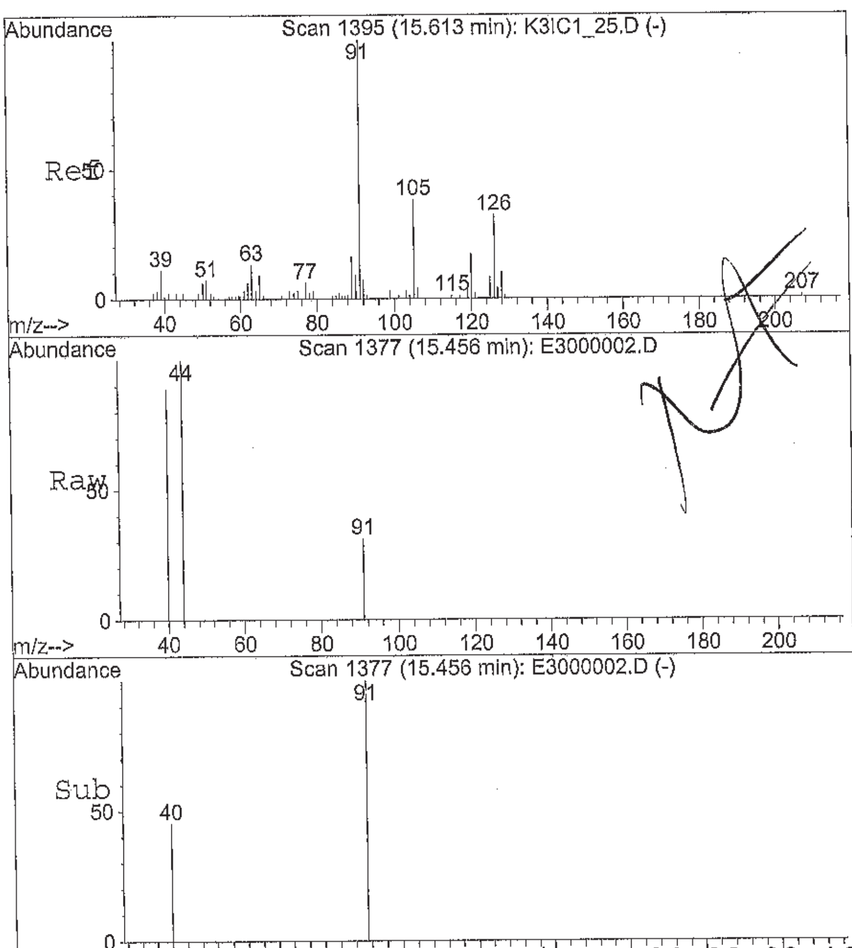


#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 91 Resp: 489

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

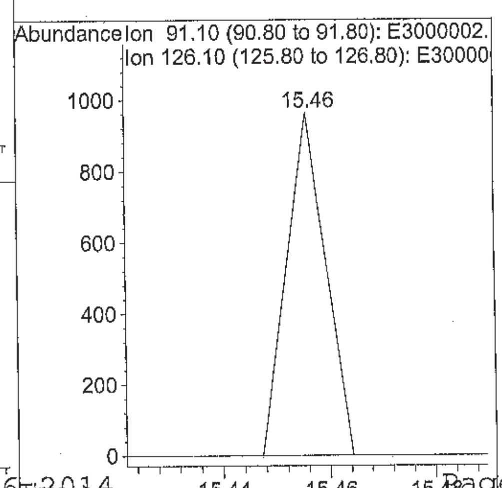


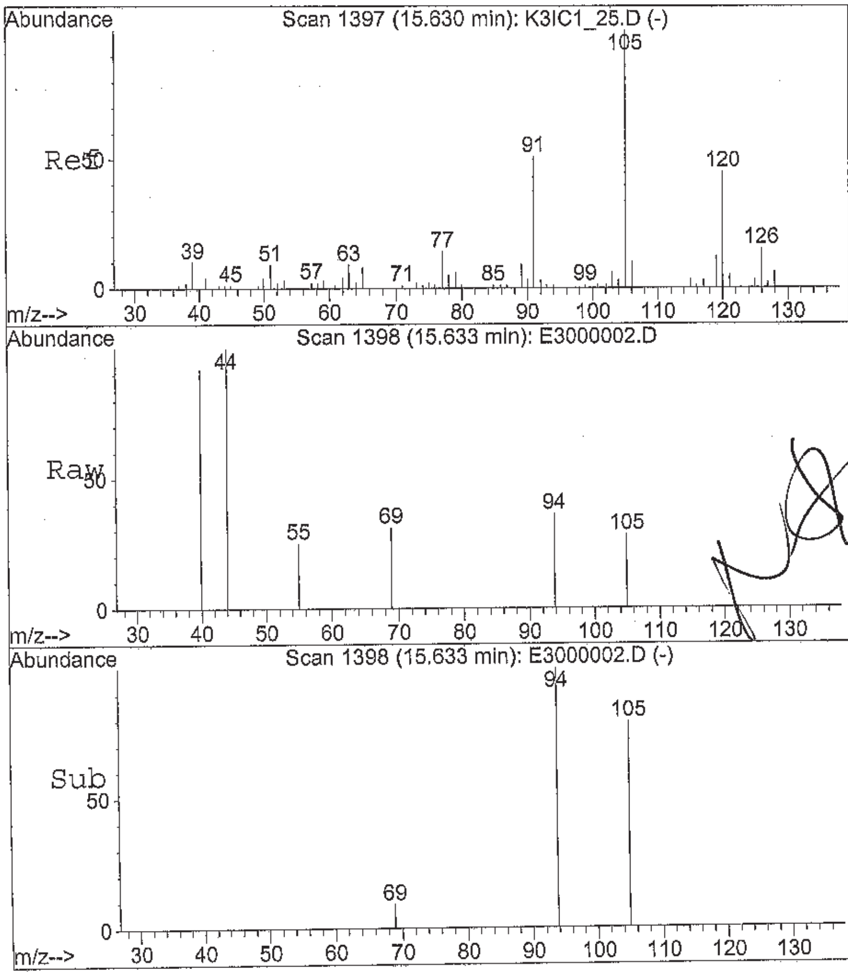


#63
2-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.16 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion: 91 Resp: 489

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

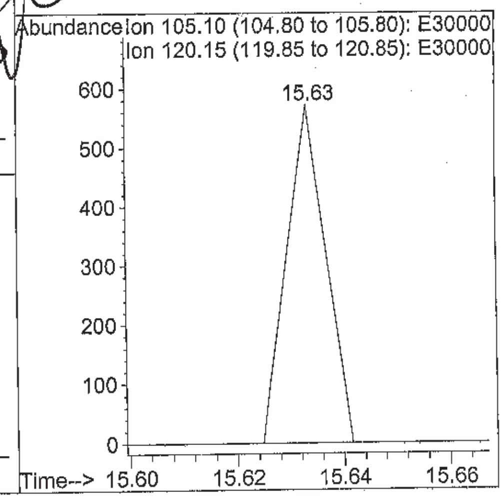


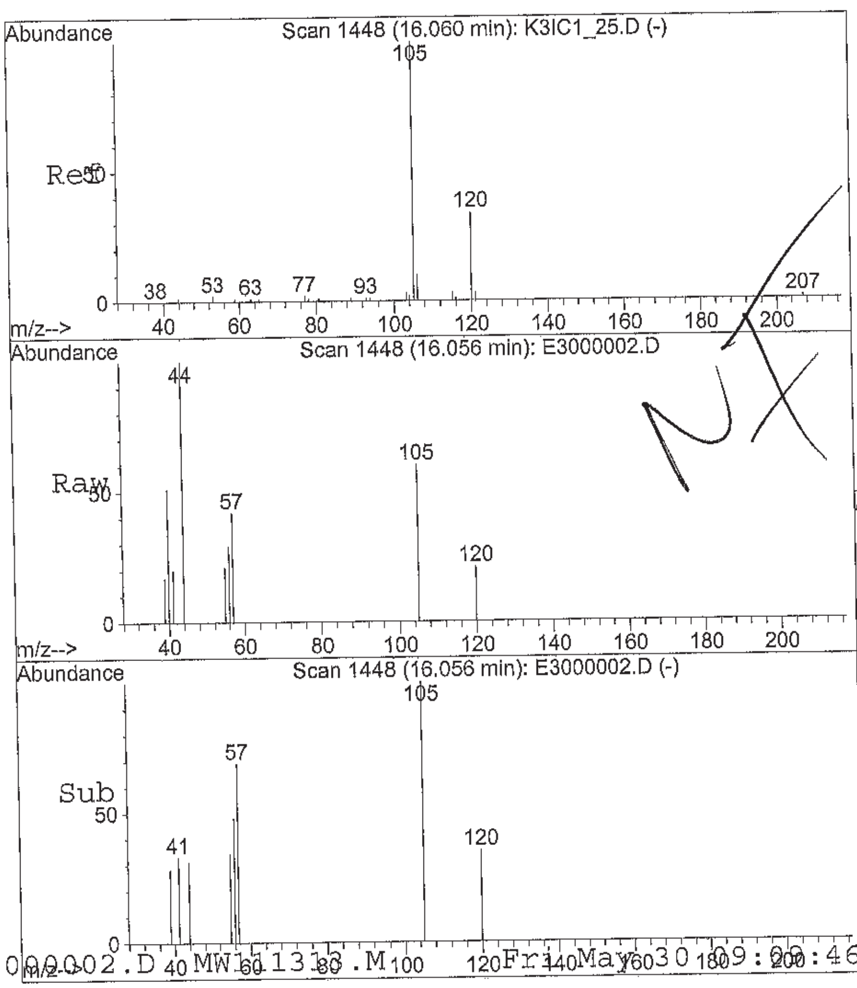


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.63 min   Scan# 1398
Delta R.T.   0.00 min
Lab File: E3000002.D
Acq: 30 May 2014   8:44 am

Tgt Ion:105 Resp: 290

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#



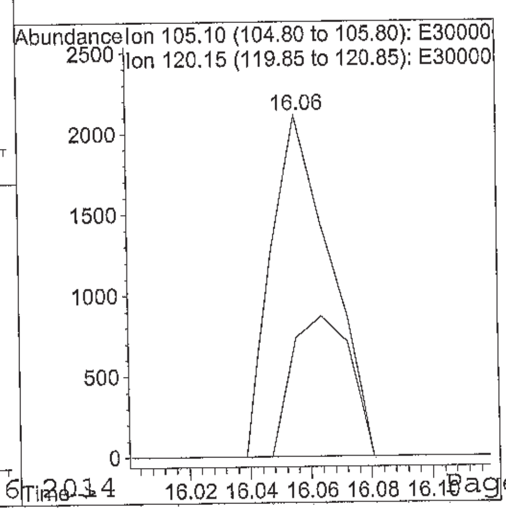


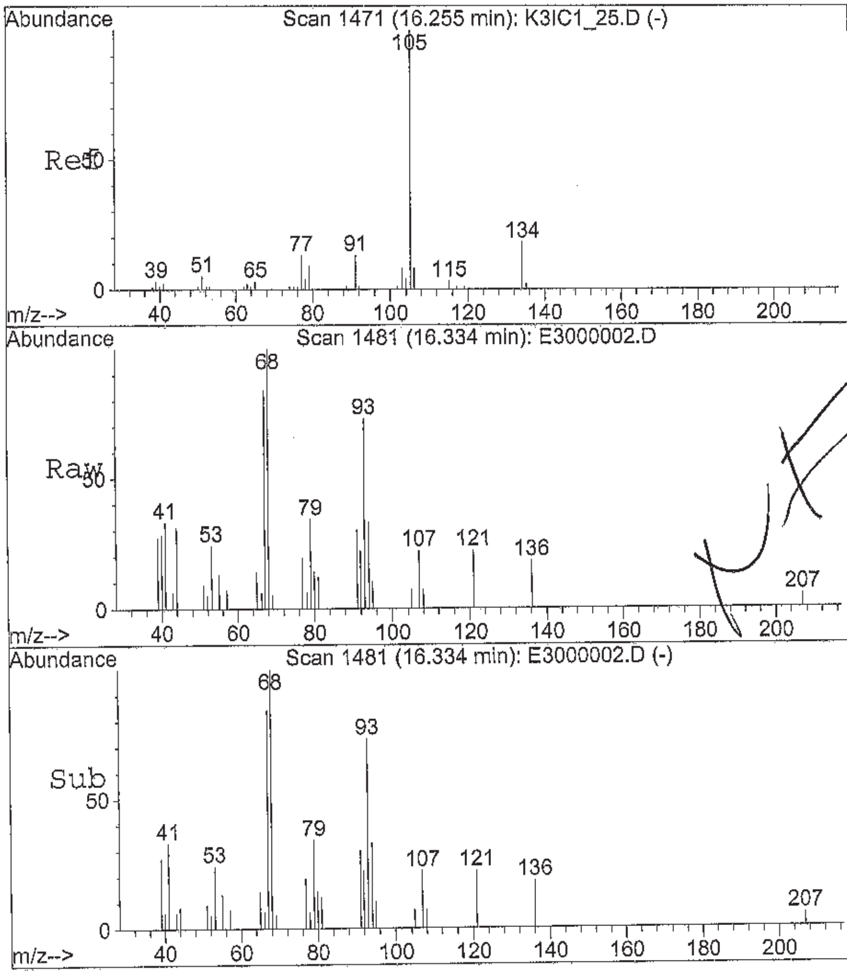
#67
1,2,4-Trimethylbenzene
Concen: 0.16 ug/L
RT: 16.06 min   Scan# 1448
Delta R.T.   -0.00 min
Lab File: E3000002.D
Acq: 30 May 2014   8:44 am

Tgt Ion:105 Resp: 2867

Ion	Ratio	Lower	Upper
105	100		
120	40.8	33.8	50.8

NA

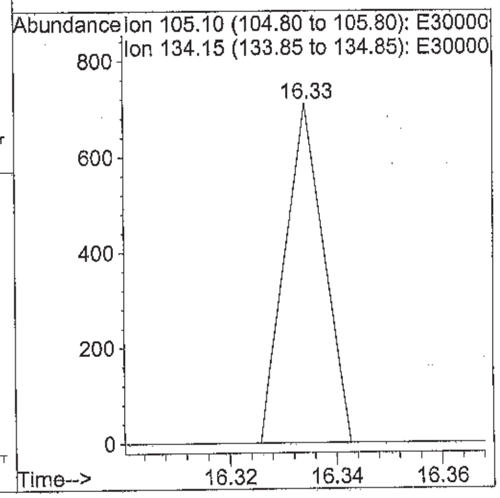


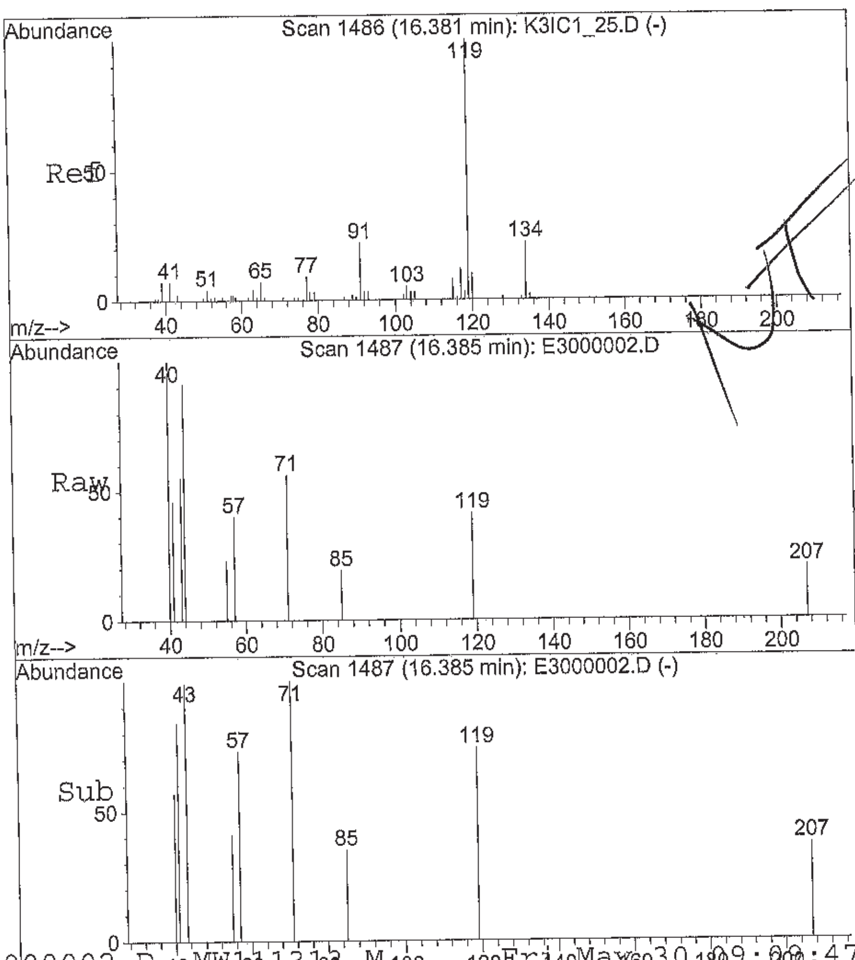


#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion:105 Resp: 360

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

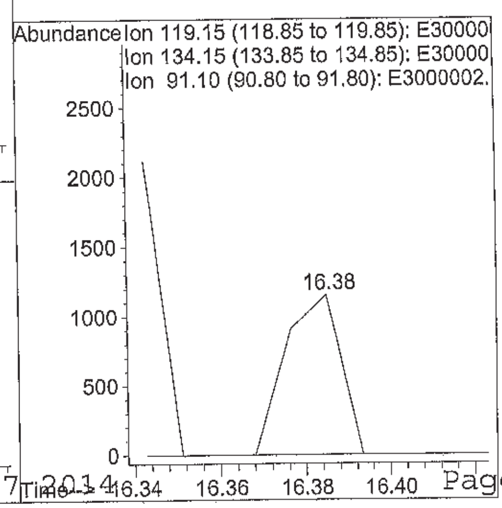




#69
p-Isopropyltoluene
Concen: 0.06 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E3000002.D
Acq: 30 May 2014 8:44 am

Tgt Ion:119 Resp: 1046

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000002.D          Vial: 1
Acq On    : 30 May 2014   8:44 am                       Operator: DN
Sample    : 3E43001-02                                  Inst    : GC/MS Ins
Misc      : 100cc  SVL-546-SA5D-SV-5.0-6.0              Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30  9:10 19114               Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                   R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) Fluorobenzene (IS)             10.29   96  1550819    12.50 ug/L   -0.02
  7) Chlorobenzene-d5 (IS)          13.92  117  1251072    12.50 ug/L    0.00
 10) 1,4-Dichlorobenzene-d4 (IS     16.51  152   689089    12.50 ug/L    0.00

System Monitoring Compounds
  2) Dibromofluoromethane (SU1)      9.43  113   448446    11.12 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   88.96%
  3) Chloroform-d (SU6)              9.19   84   687259    11.88 ug/L    0.00
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   95.04%
  4) Methylene Chloride-d2 (SU5      7.07   86   384969    11.38 ug/L    0.01
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   91.04%
  5) 1,2-Dichloroethane-d4 (SU2      9.90   65   422967    15.35 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  122.80%
  6) Benzene-d6 (SU7)                9.93   84  1317496    10.83 ug/L   -0.02
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   86.64%
  8) Toluene-d8 (SU3)               12.20   98  1415188    11.92 ug/L    0.02
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   95.36%
  9) 4-Bromofluorobenzene (SU4)     15.22   95   704857    14.38 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  115.04%

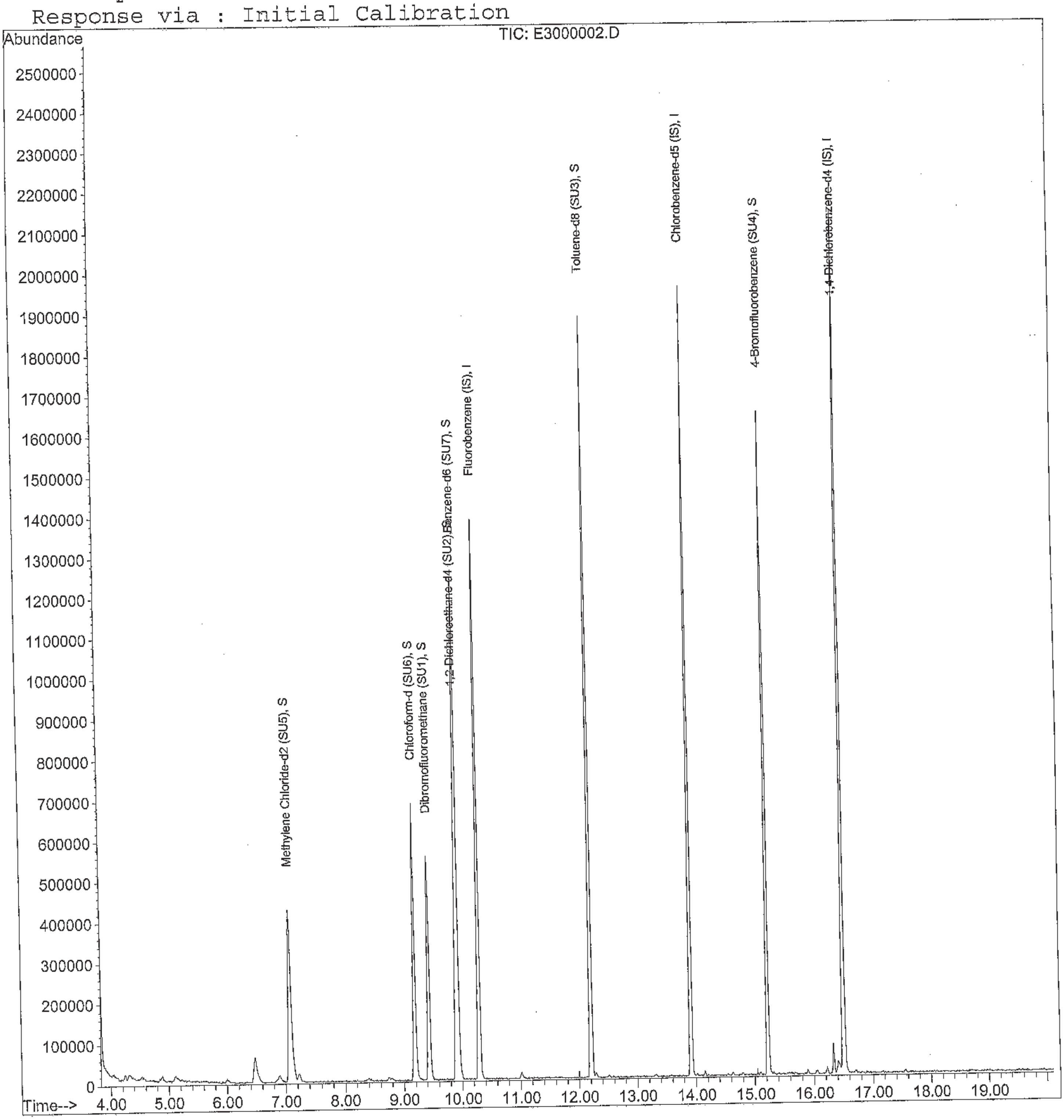
Target Compounds                                                     Qvalue

------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000002.D   Vial: 1
Acq On   : 30 May 2014   8:44 am   Operator: DN
Sample   : 3E43001-02   Inst   : GC/MS Ins
Misc   : 100cc SVL-546-SA5D-SV-5.0-6.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 9:10 19114   Quant Results File: SS072713.RES

Method   : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title   : 8260B   GC/MS #3   ICAL SSSF 07/27/13 DN
Last Update   : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000004.D
Acq On : 30 May 2014 9:51 am
Sample : 3E43001-03
Misc : 100cc SVL-846-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 30 10:25 19114

Vial: 3
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1575066	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1286154	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	708804	12.50 ug/L	0.00

System Monitoring Compounds

	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	460483	11.72 ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery = 93.76%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	437810	11.73 ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery = 93.84%		
39) Toluene-d8 (SU3)	12.20	98	1443837	12.04 ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery = 96.32%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	724001	13.76 ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery = 110.08%		

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
4) Chloromethane	4.40	50	2050	-0.45 ~~ug/L~~ # ndm	65
6) Bromomethane	5.10	96	11417	4.81 ~~ug/L~~ #	53
7) Chloroethane	5.25	64	399	0.99 ~~ug/L~~ #	61
11) Acetone	6.46	58	5944	4.77 ~~ug/L~~ #	55
12) (IPA) Leak Check Compound	6.47	45	130349	688.70 ~~ug/L~~ # SM	83
13) Carbon disulfide	6.84	76	17997	1.37 ~~ug/L~~ #	82
14) Methylene Chloride	7.08	84	5745	1.33 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.90	59	637	2.37 ~~ug/L~~ #	77
24) Chloroform	9.22	83	378	0.05 ~~ug/L~~ # nm	18
25) (ETBE) 2-ethoxy 2-methyl p	8.40	59	2724	0.24 ~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.92	75	548	0.09 ~~ug/L~~ #	1
31) Benzene	9.96	78	8381	0.57 ~~ug/L~~ #	73
32) 1,2-Dichloroethane	9.92	62	5964	1.14 ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	7074	2.76 ~~ug/L~~ #	100
41) Toluene	12.28	91	11061	0.63 ug/L 0.0126	94
46) 2-Hexanone	13.11	43	349	0.12 ~~ug/L~~ #	37
51) Ethylbenzene	14.03	91	3313	0.17 ~~ug/L~~ HOM	45
52) m,p-Xylenes	14.15	106	3296	0.47 ug/L 0.0094	100
53) o-Xylene	14.62	106	748	0.11 ug/L # 0.0022	27
54) Styrene	14.63	104	2232	-0.65 ~~ug/L~~ #	60
56) Isopropylbenzene	15.23	105	414	0.02 ~~ug/L~~ #	1
62) n-Propylbenzene	15.45	91	666	0.02 ~~ug/L~~ #	56

(#) = qualifier out of range (m) = manual integration

```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000004.D          Vial: 3
Acq On    : 30 May 2014   9:51 am                     Operator: DN
Sample    : 3E43001-03                                Inst    : GC/MS Ins
Misc      : 100cc  SVL-846-SA5D-SV-5.0-6.0            Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 10:25 19114              Quant Results File: MW111313.RES

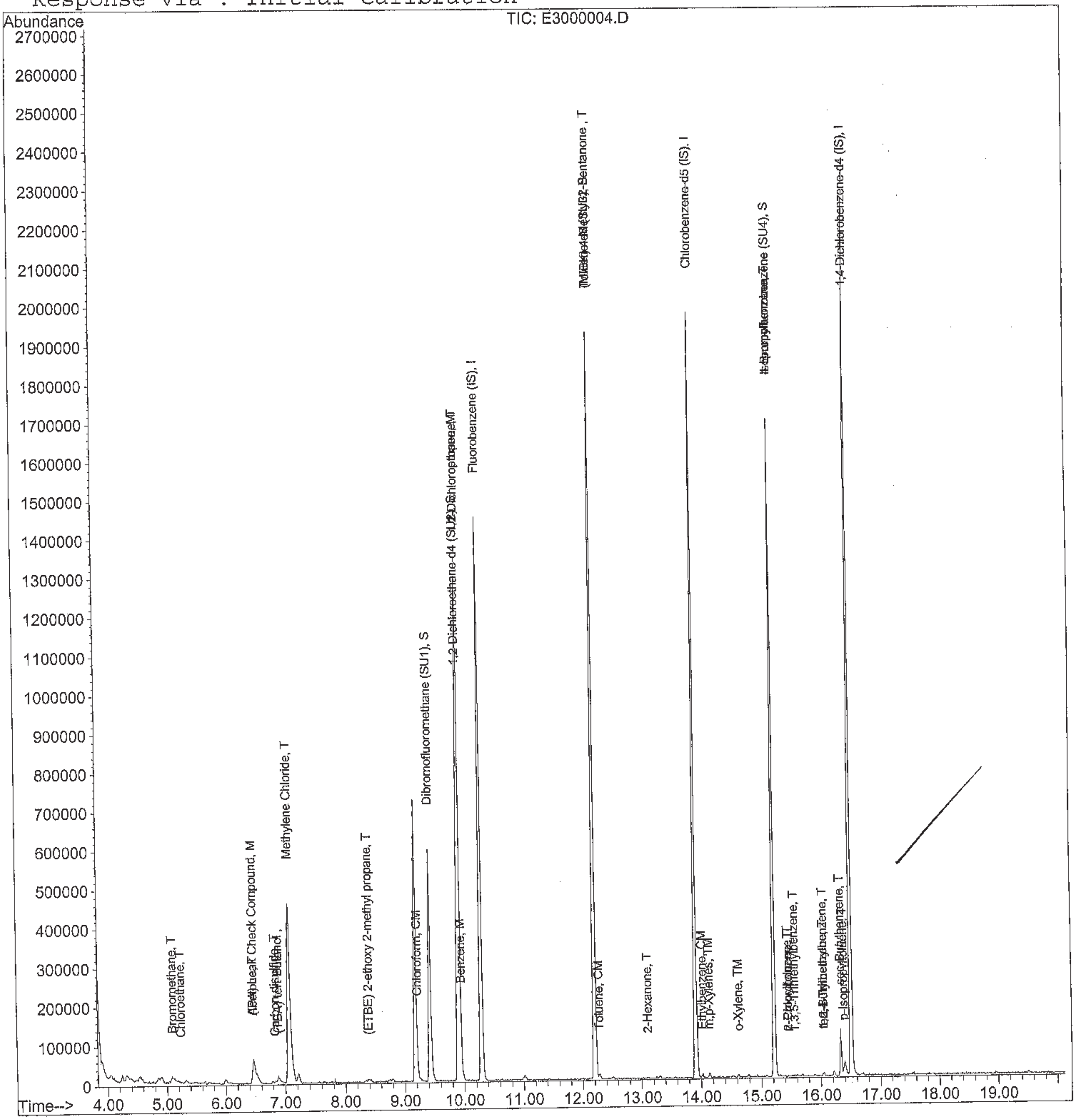
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3    ICAL 11/13/13   DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

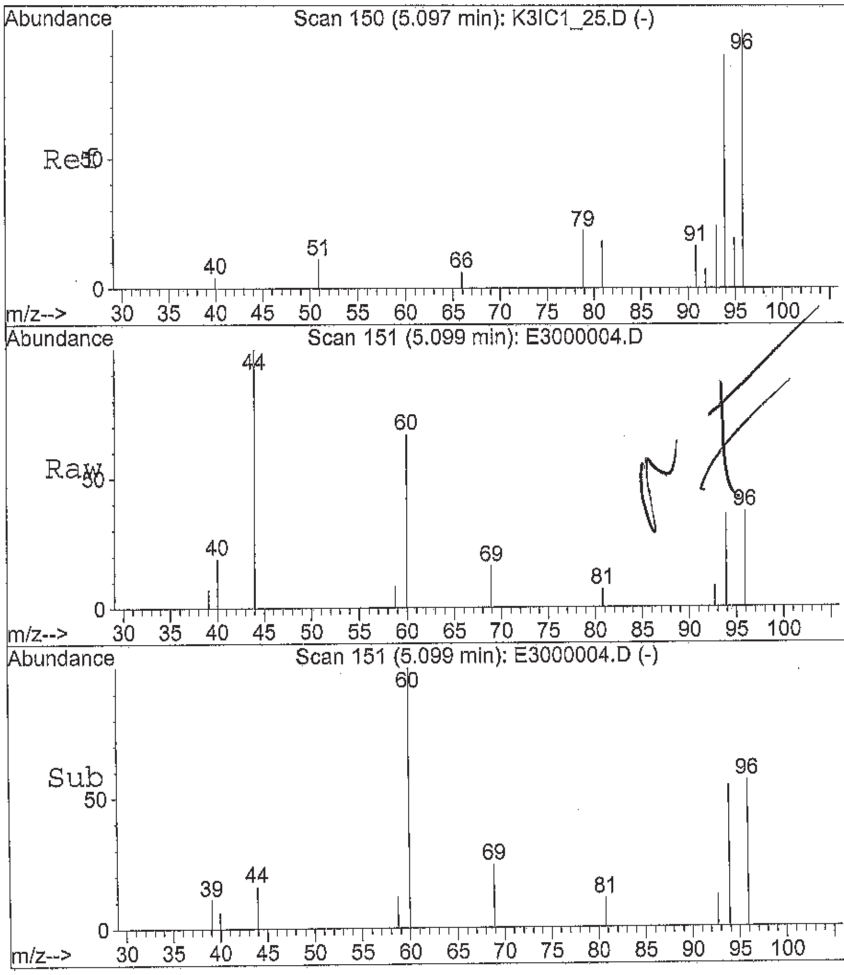
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) 2-Chlorotoluene	15.45	91	666	0.04 ~~ug/L~~ #	45
64) 1,3,5-Trimethylbenzene	15.57	105	259	0.01 ~~ug/L~~ #	31
66) tert-Butylbenzene	16.05	119	312	0.02 ~~ug/L~~ #	24
67) 1,2,4-Trimethylbenzene	16.05	105	2579	0.14 ~~ug/L~~ #	50
68) sec-Butylbenzene	16.33	105	1916	0.08 ~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	1254	0.06 ~~ug/L~~ #	52

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000004.D Vial: 3
Acq On : 30 May 2014 9:51 am Operator: DN
Sample : 3E43001-03 Inst : GC/MS Ins
Misc : 100cc SVL-846-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 10:25 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

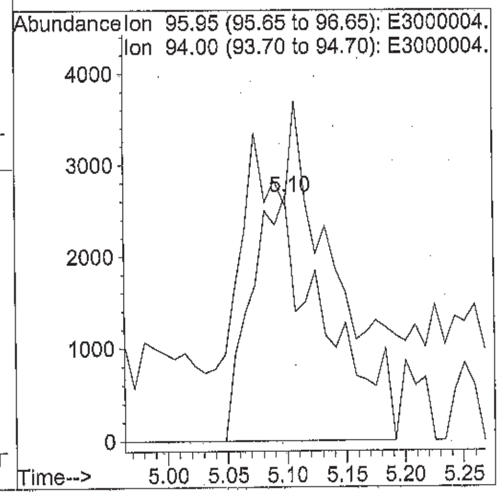


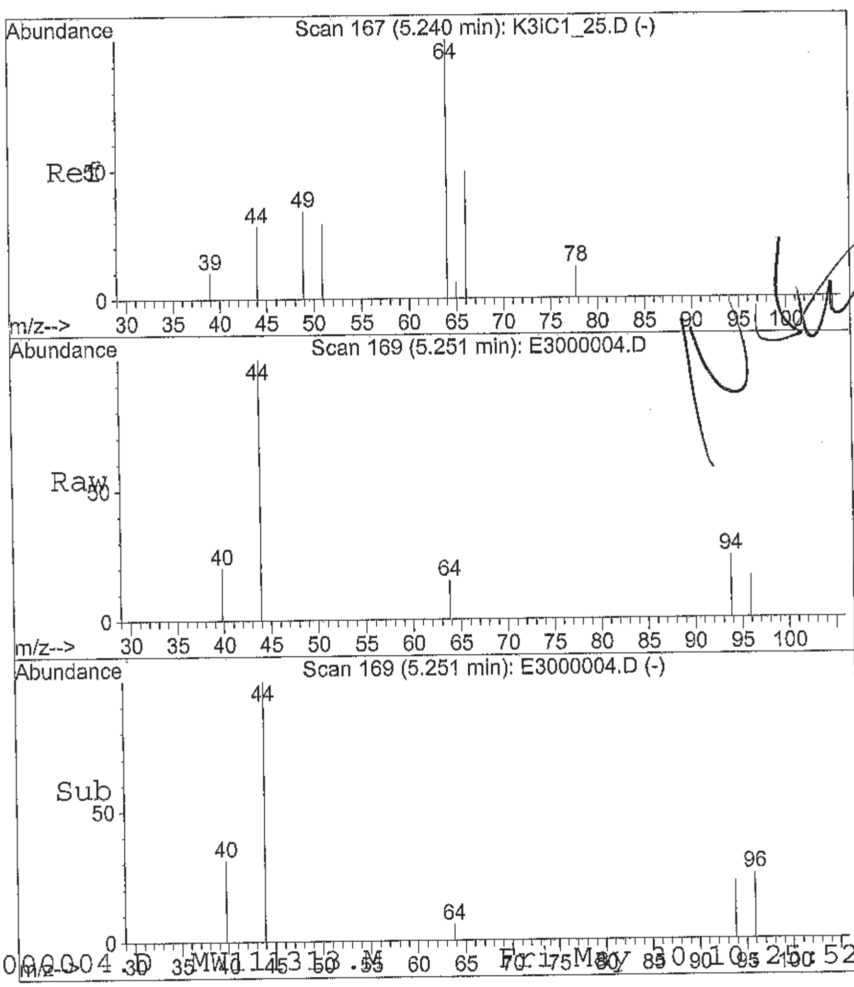


#6
Bromomethane
Concen: 4.81 ug/L
RT: 5.10 min Scan# 151
Delta R.T. 0.00 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 96 Resp: 11417

Ion	Ratio	Lower	Upper
96	100		
94	72.7	101.0	151.4#

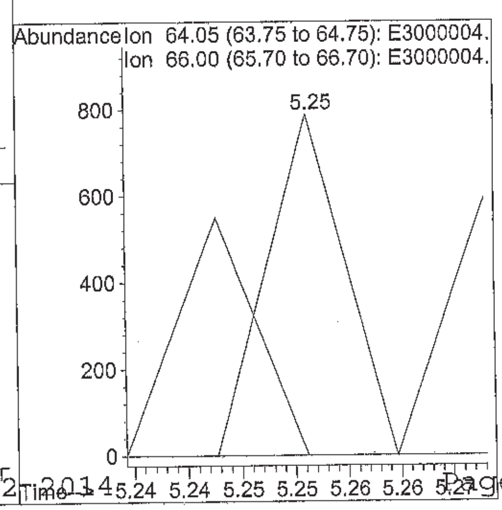


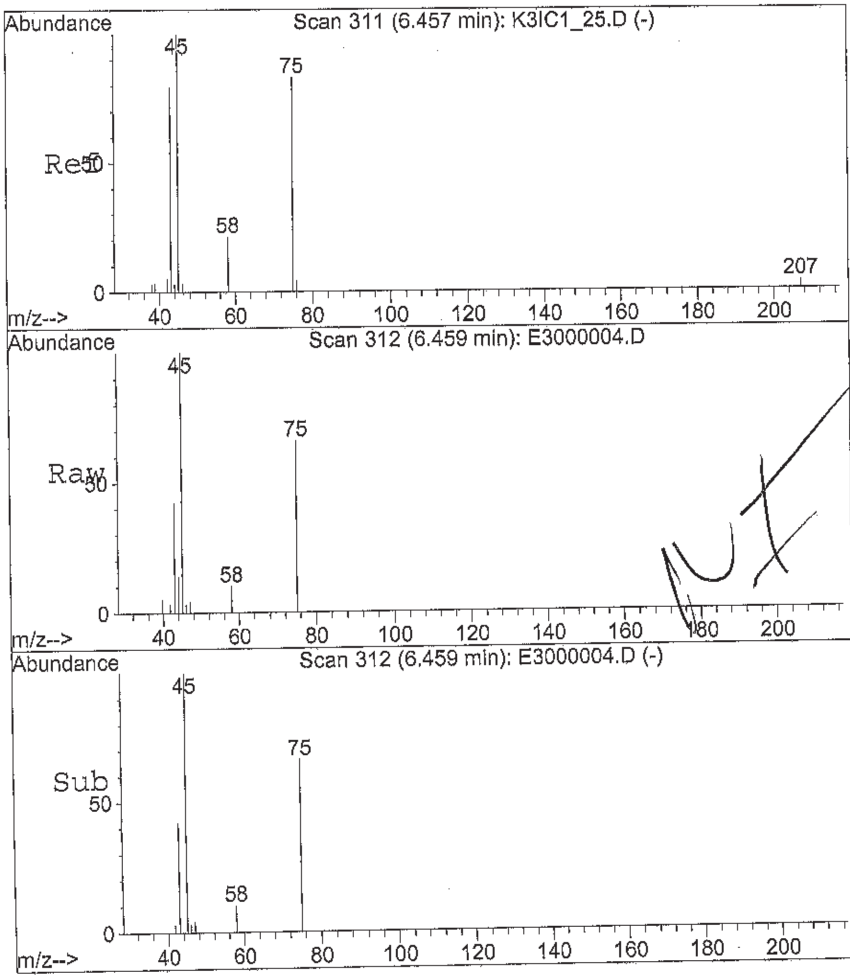


#7
Chloroethane
Concen: 0.99 ug/L
RT: 5.25 min Scan# 169
Delta R.T. 0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 64 Resp: 399

Ion	Ratio	Lower	Upper
64	100		
66	69.7	35.4	53.0#

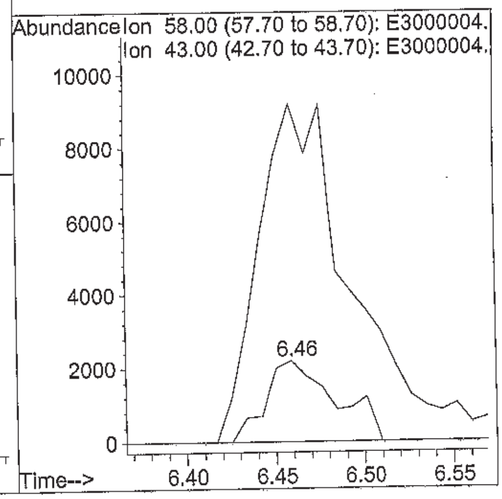


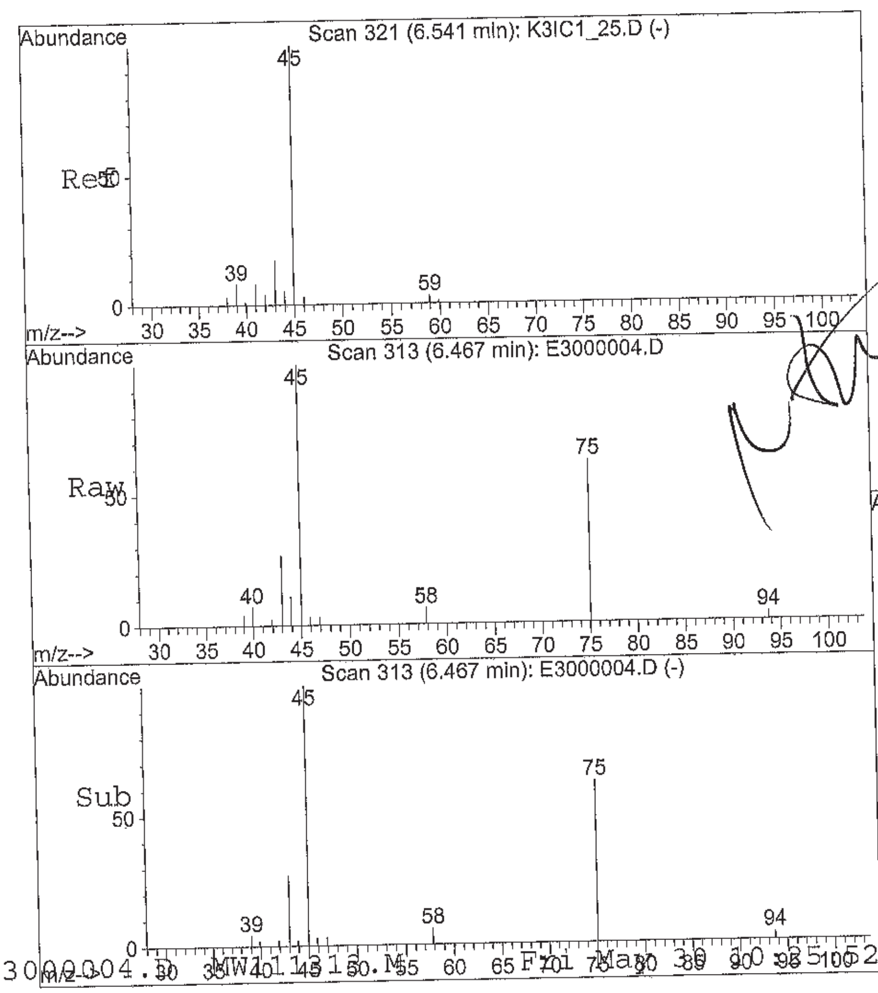


#11
Acetone
Concen: 4.77 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 58 Resp: 5944

Ion	Ratio	Lower	Upper
58	100		
43	565.8	360.9	541.3#

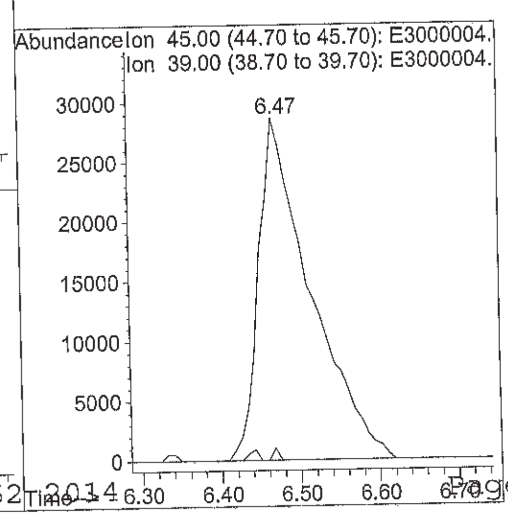


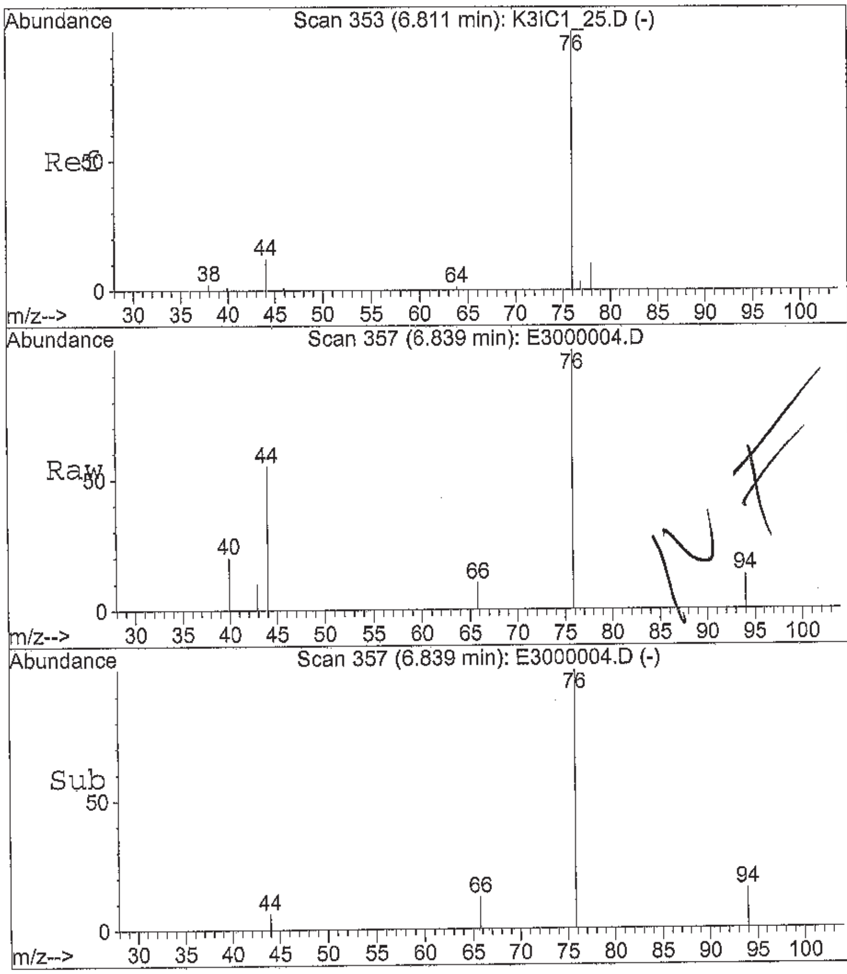


#12
(IPA) Leak Check Compound
Concen: 688.70 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 45 Resp: 130349

Ion	Ratio	Lower	Upper
45	100		
39	0.4	4.9	7.3#

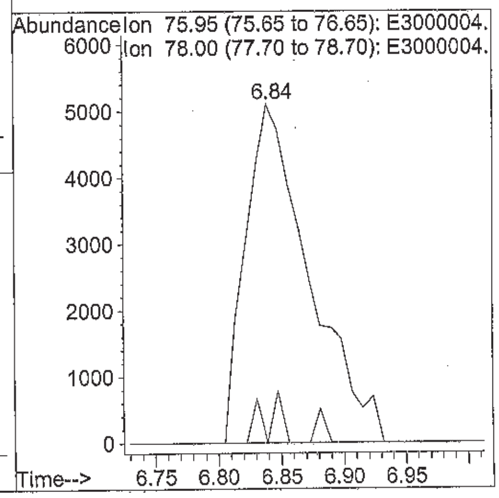


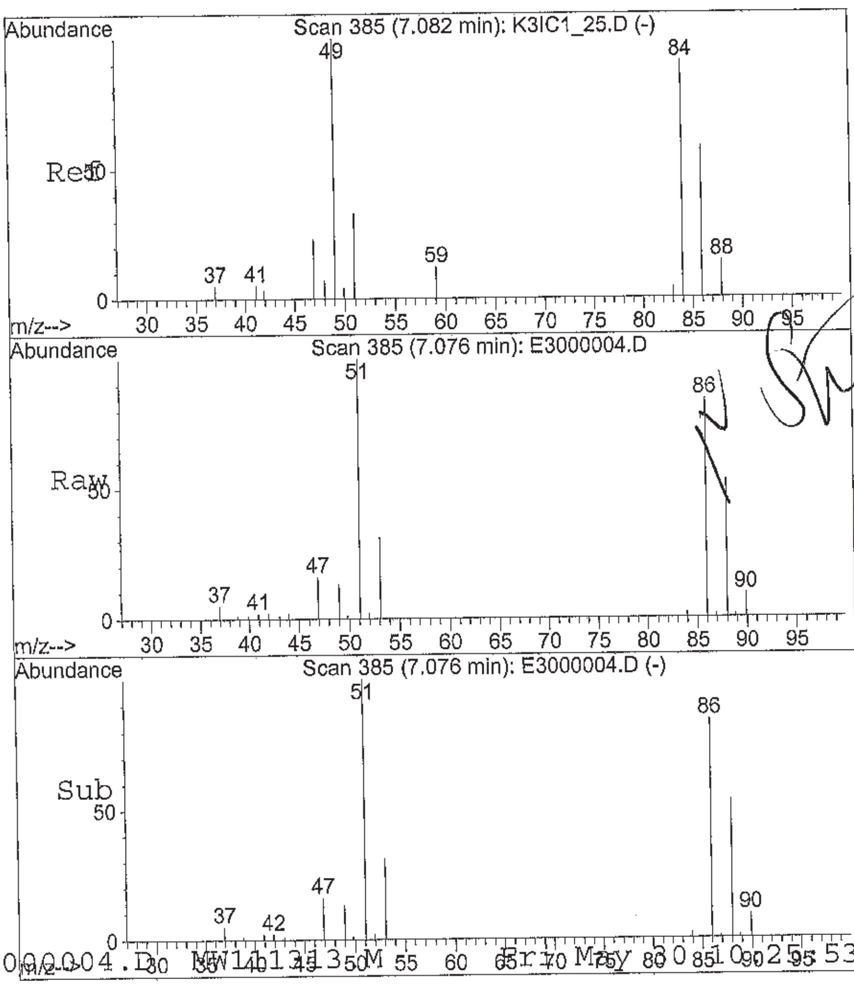


#13
Carbon disulfide
Concen: 1.37 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 76 Resp: 17997

Ion	Ratio	Lower	Upper
76	100		
78	2.2	7.0	10.4#

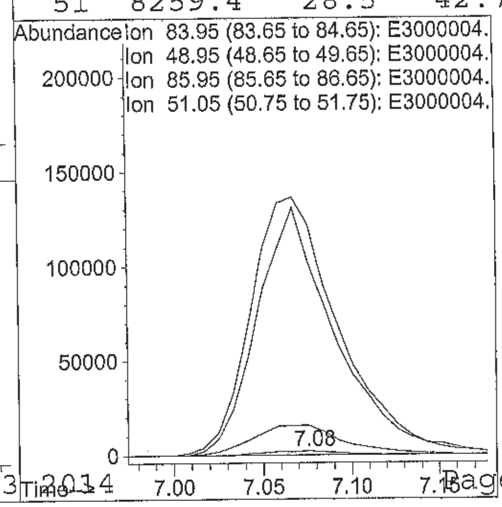


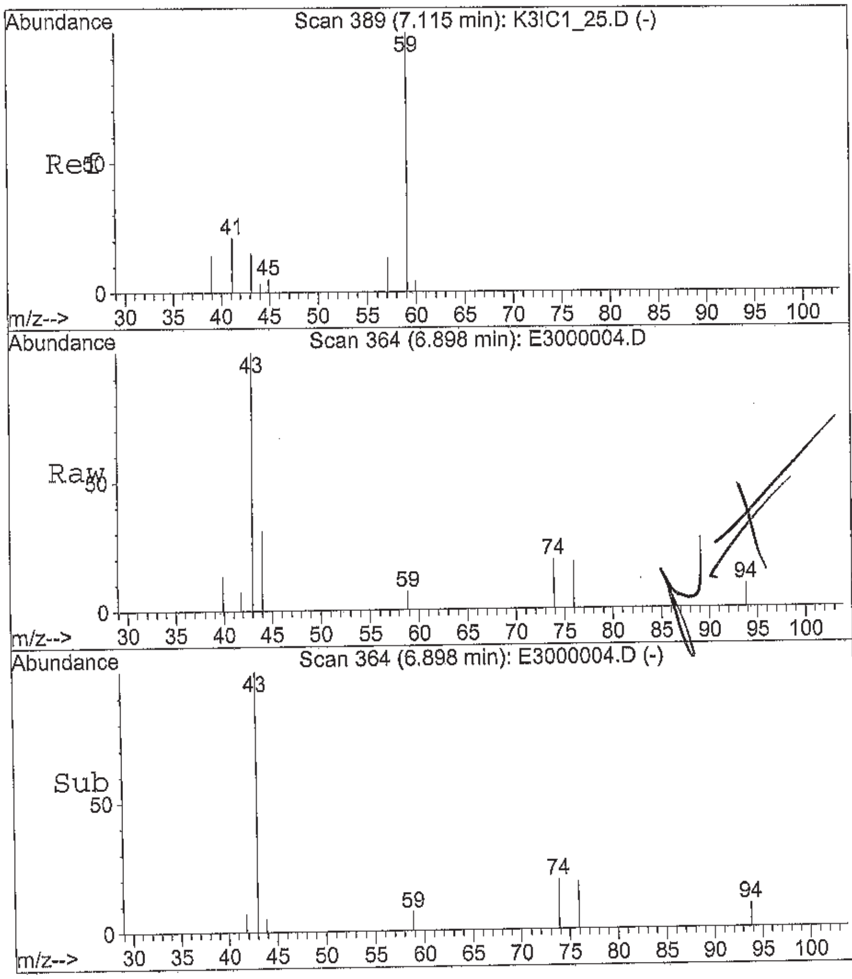


#14
Methylene Chloride
Concen: 1.33 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 84 Resp: 5745

Ion	Ratio	Lower	Upper
84	100		
49	968.7	89.8	134.6#
86	7027.3	51.1	76.7#
51	8259.4	28.5	42.7#

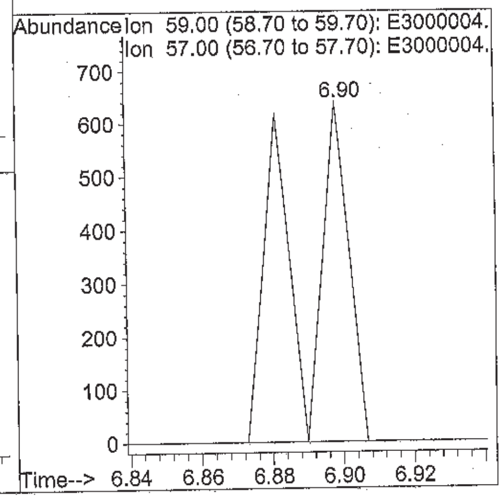


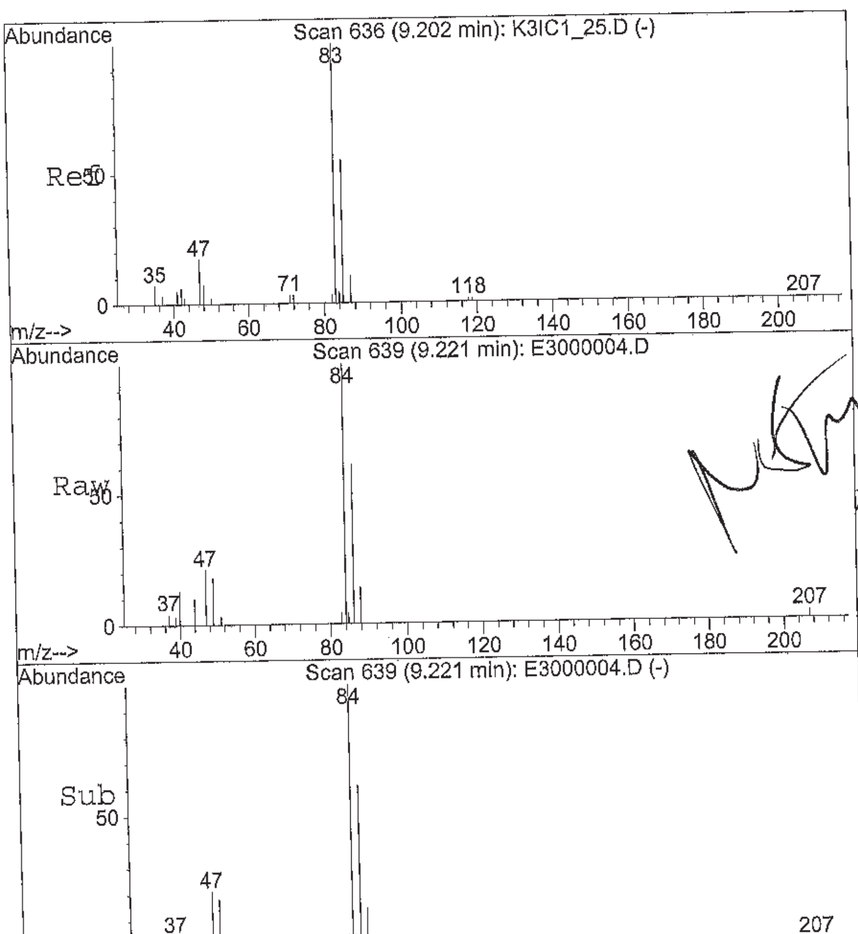


#15
(TBA) tert-Butanol
Concen: 2.37 ug/L
RT: 6.90 min   Scan# 364
Delta R.T.   -0.22 min
Lab File: E3000004.D
Acq: 30 May 2014   9:51 am

Tgt Ion: 59 Resp: 637

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

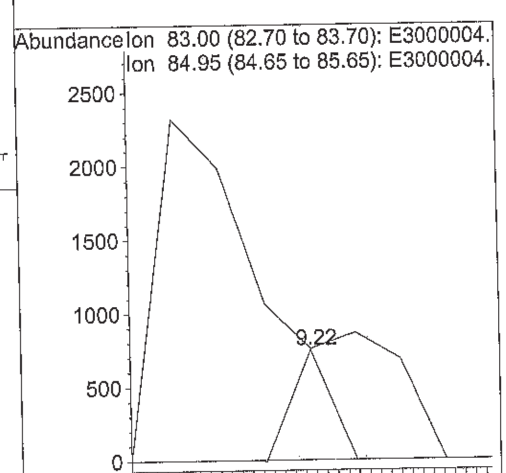


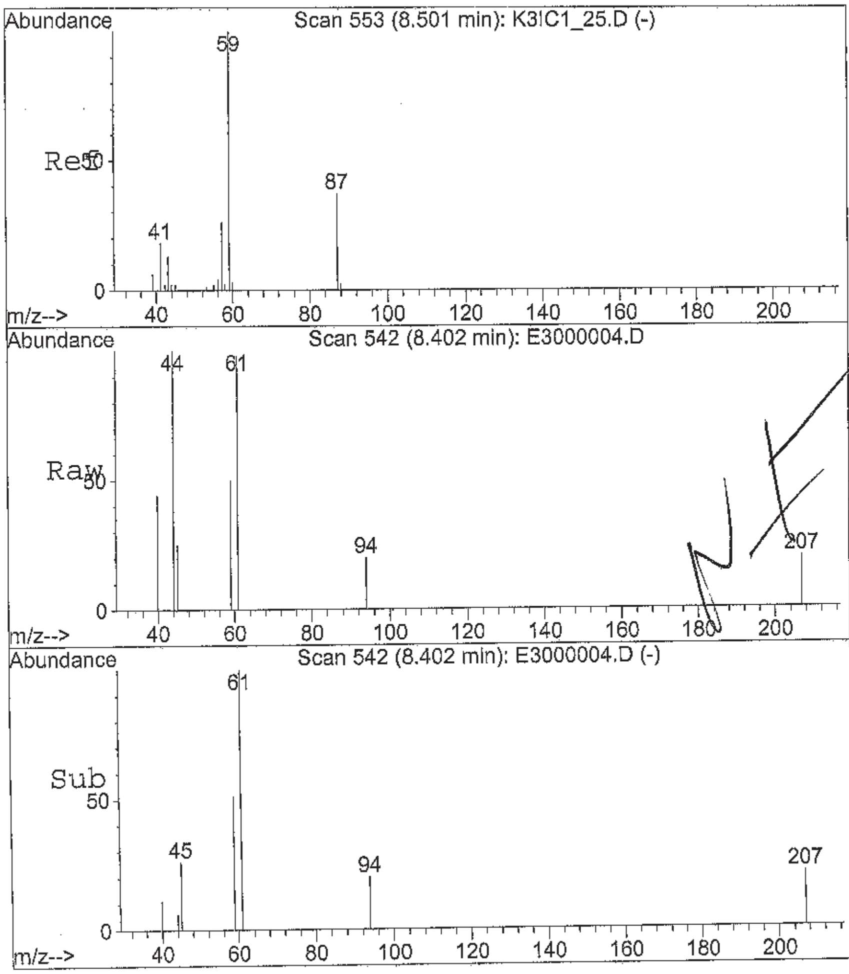


#24
Chloroform
Concen: 0.05 ug/L
RT: 9.22 min   Scan# 639
Delta R.T.   0.02 min
Lab File: E3000004.D
Acq: 30 May 2014   9:51 am

Tgt Ion: 83 Resp: 378

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

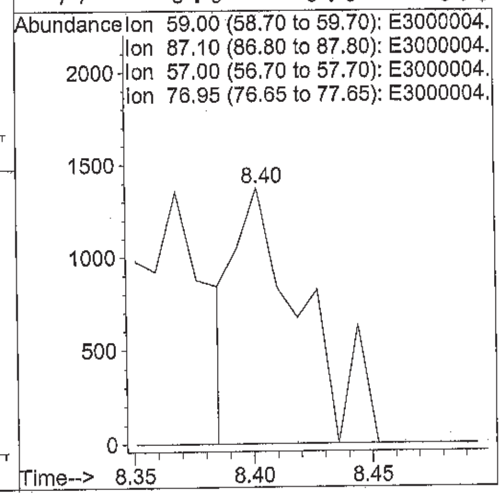


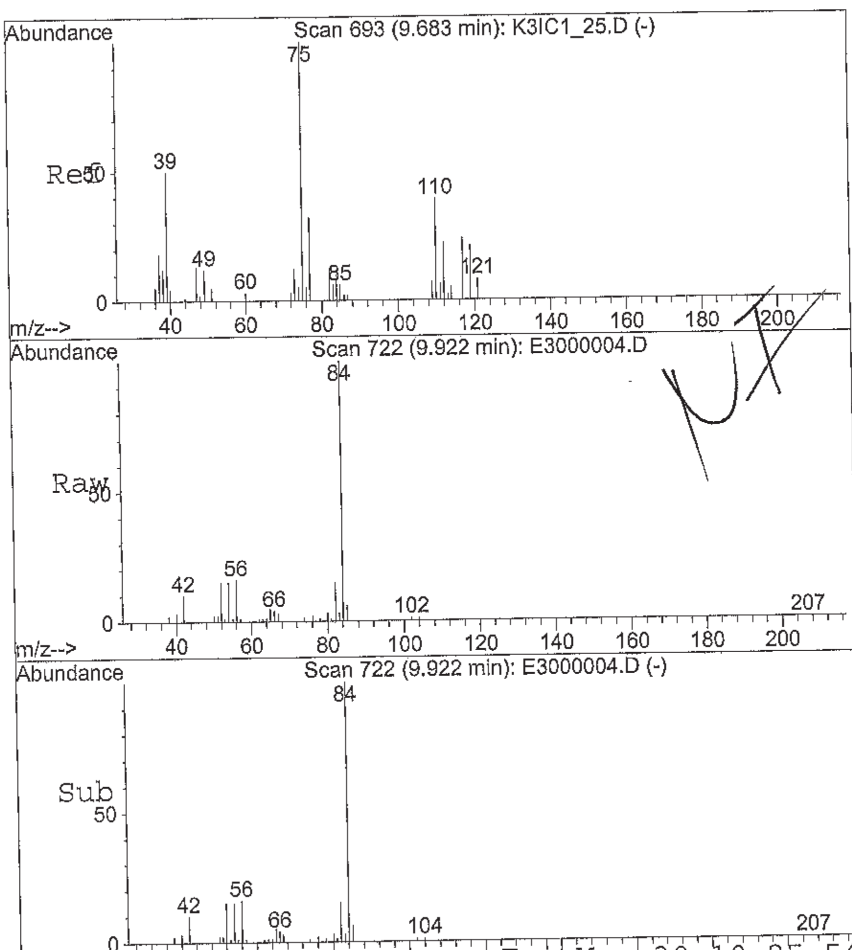


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.24 ug/L
RT: 8.40 min   Scan# 542
Delta R.T.   -0.10 min
Lab File: E3000004.D
Acq: 30 May 2014   9:51 am

Tgt Ion: 59 Resp: 2724

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

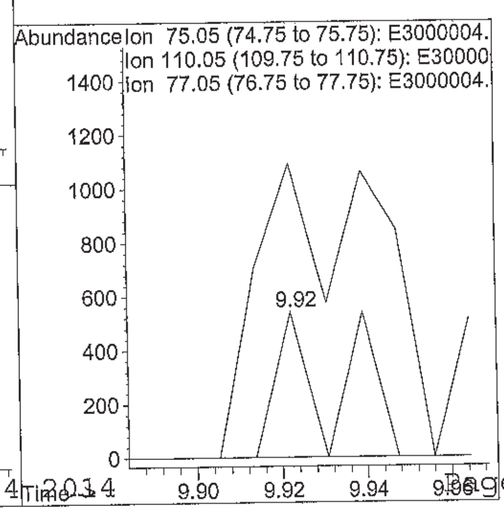


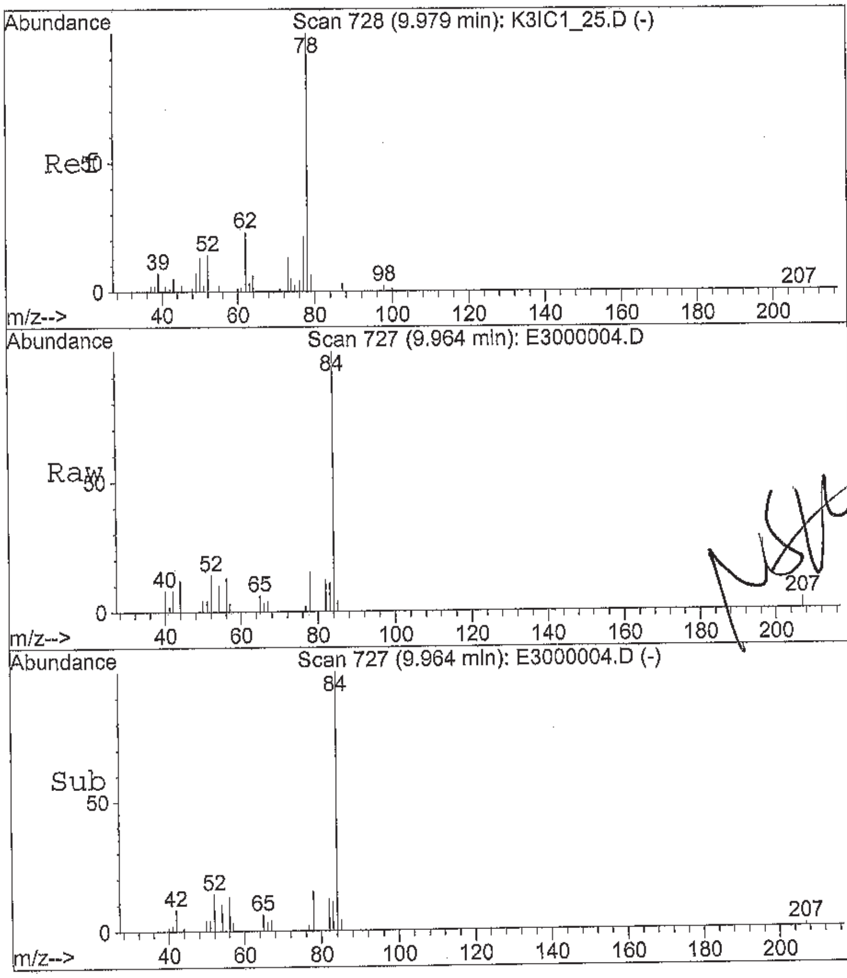


#29
1,1-Dichloropropene
Concen: 0.09 ug/L
RT: 9.92 min   Scan# 722
Delta R.T.   0.24 min
Lab File: E3000004.D
Acq: 30 May 2014   9:51 am

Tgt Ion: 75 Resp: 548

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	395.4	25.0	37.4#

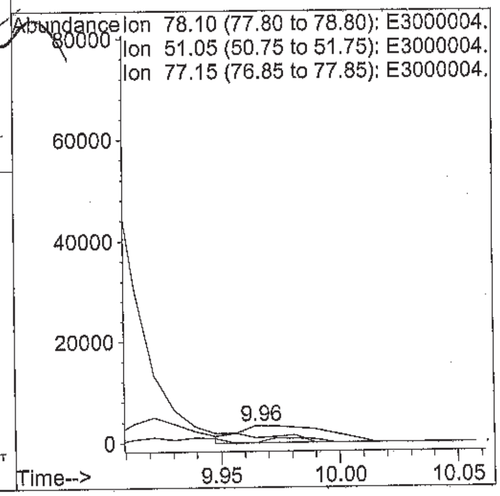


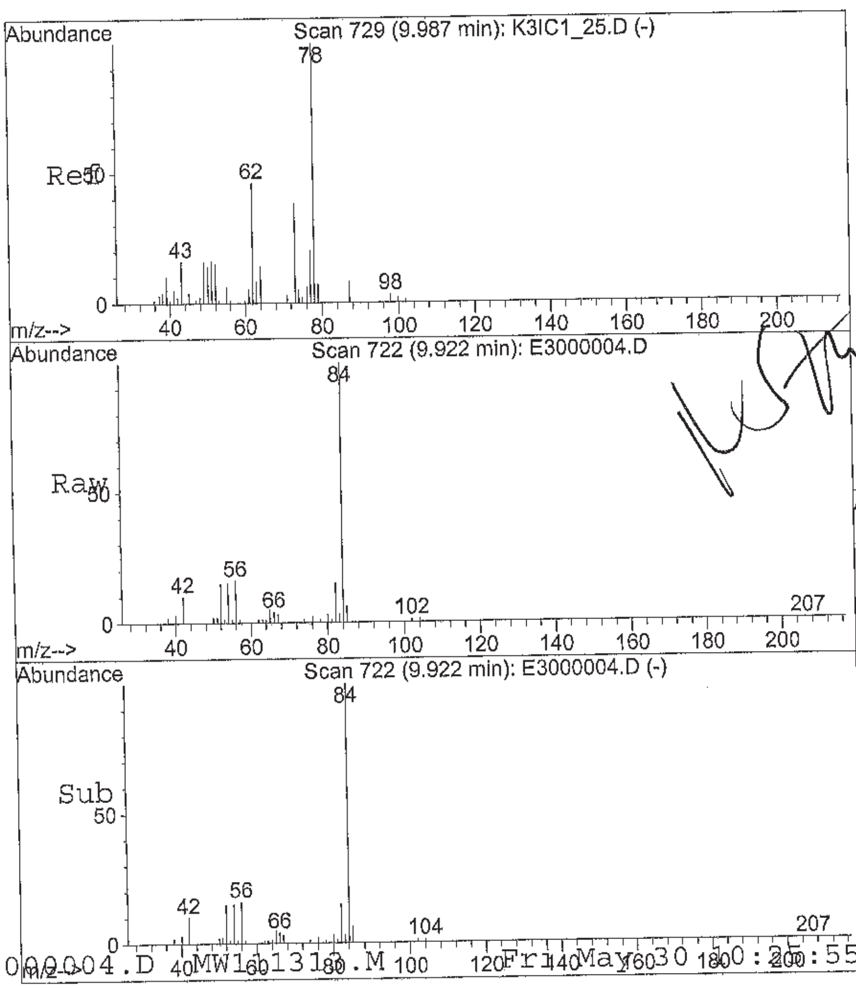


#31
Benzene
Concen: 0.57 ug/L
RT: 9.96 min Scan# 727
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 78 Resp: 8381

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	13.6	16.6	24.8#

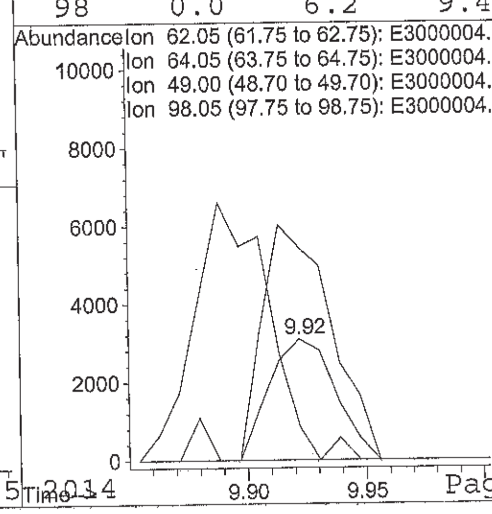


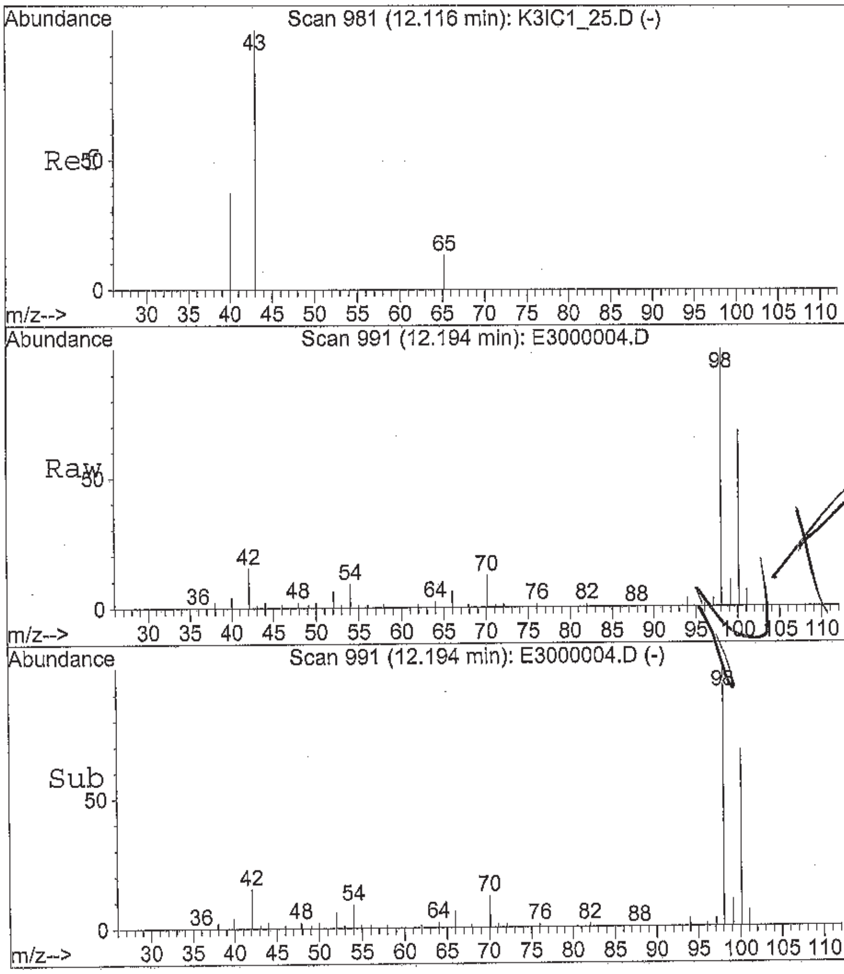


#32
1,2-Dichloroethane
Concen: 1.14 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.07 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 62 Resp: 5964

Ion	Ratio	Lower	Upper
62	100		
64	211.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

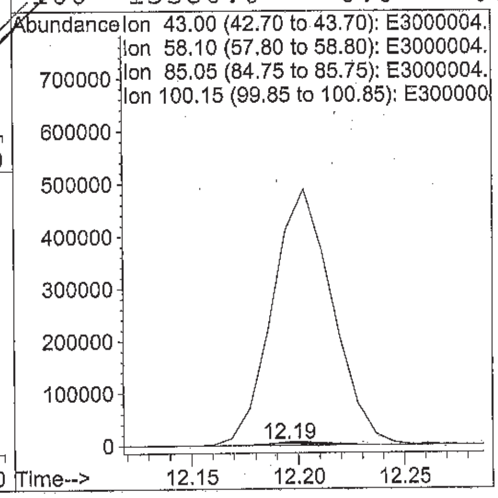


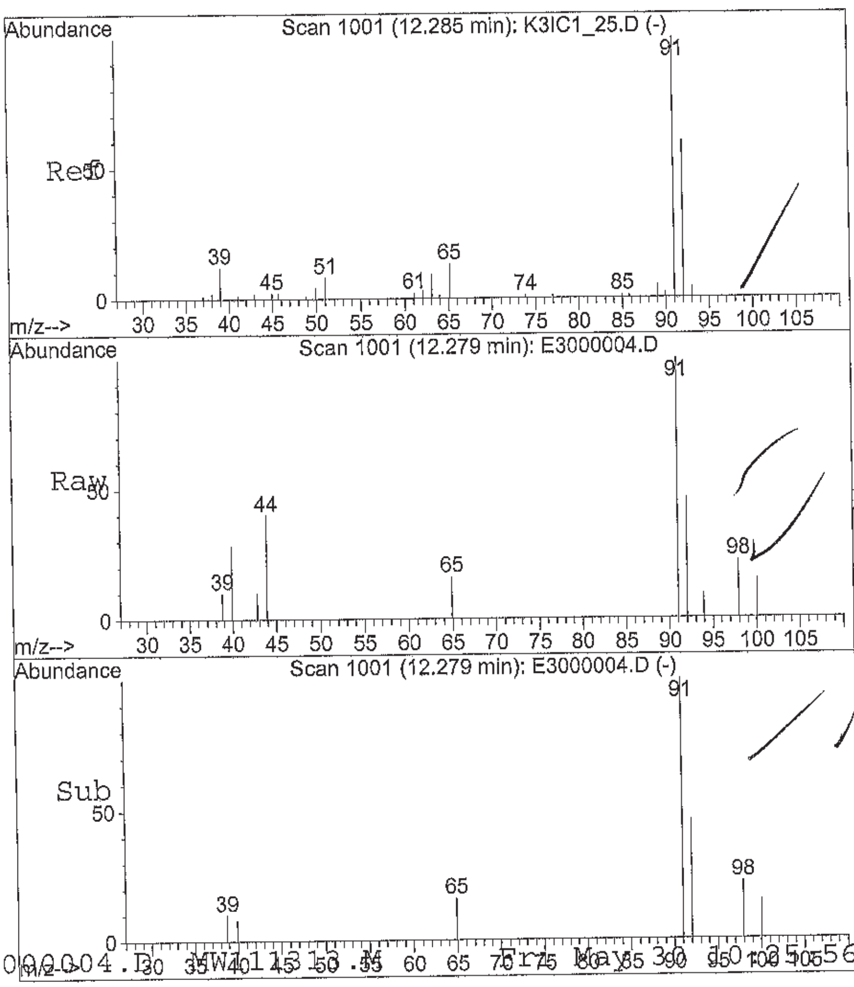


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.76 ug/L
RT: 12.19 min Scan# 991
Delta R.T. 0.08 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 43 Resp: 7074

Ion	Ratio	Lower	Upper
43	100		
58	172.7	0.0	0.0#
85	0.0	0.0	0.0
100	13580.0	0.0	0.0#

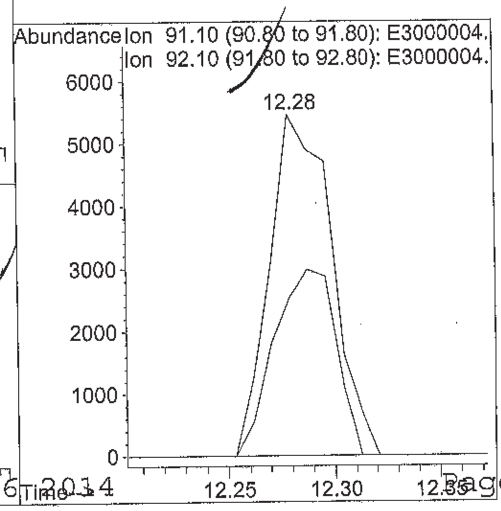


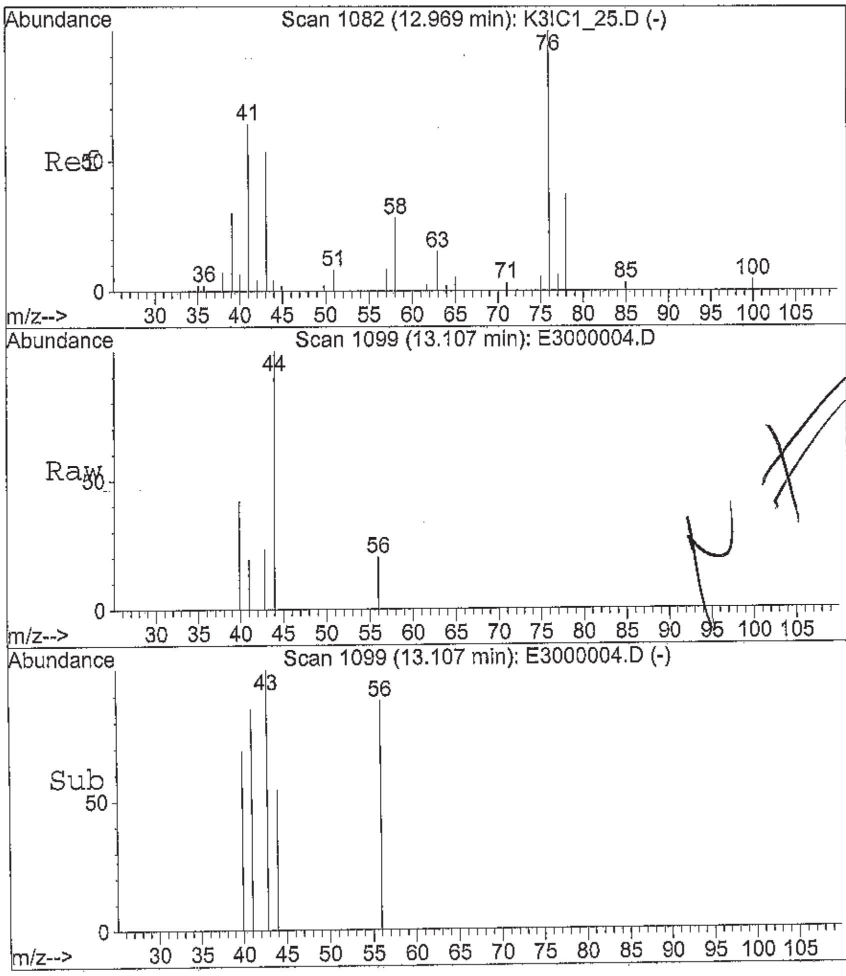


#41
Toluene
Concen: 0.63 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 91 Resp: 11061

Ion	Ratio	Lower	Upper
91	100		
92	54.4	47.4	71.0

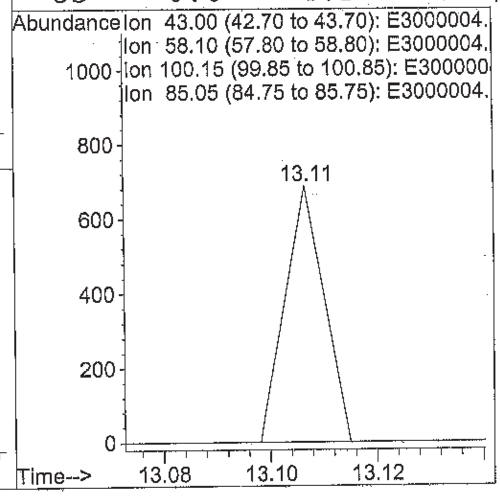


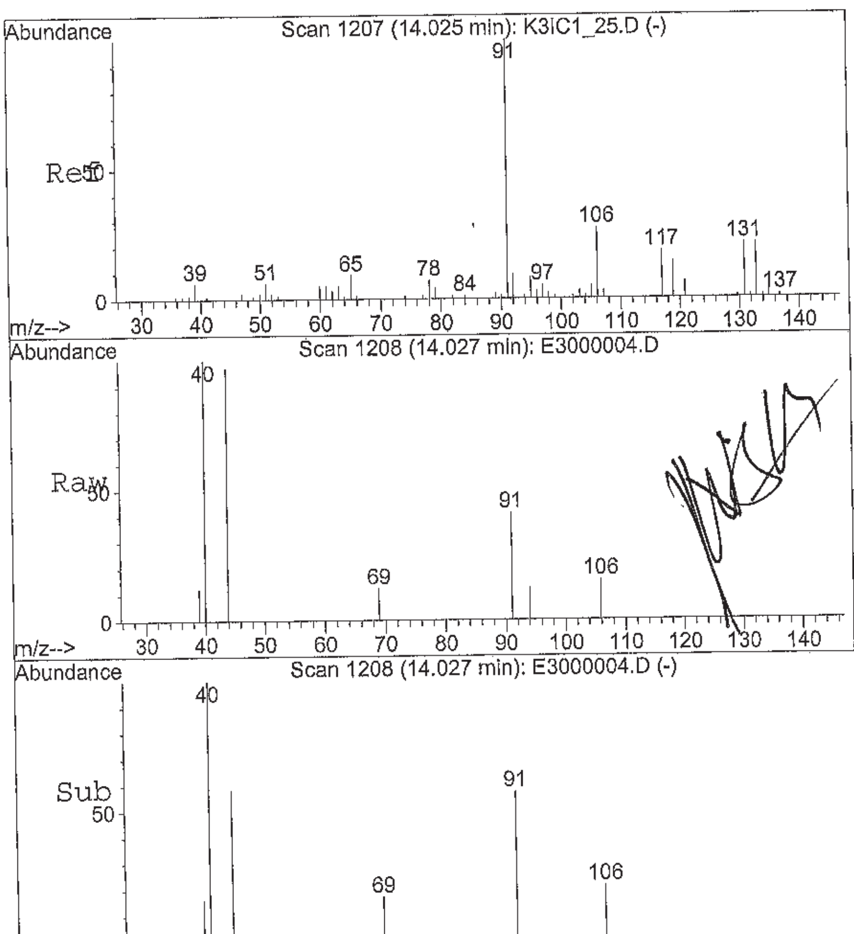


#46
2-Hexanone
Concen: 0.12 ug/L
RT: 13.11 min Scan# 1099
Delta R.T. 0.14 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 43 Resp: 349

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

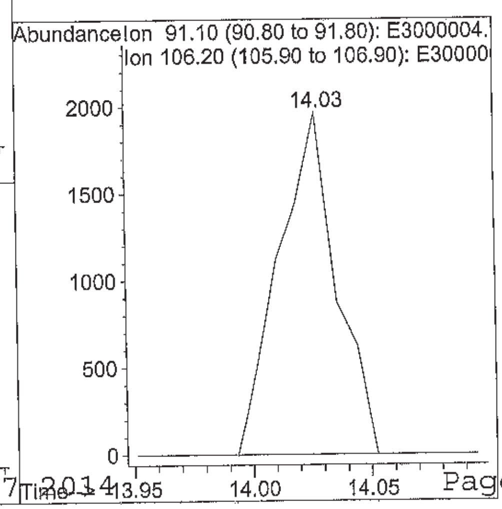


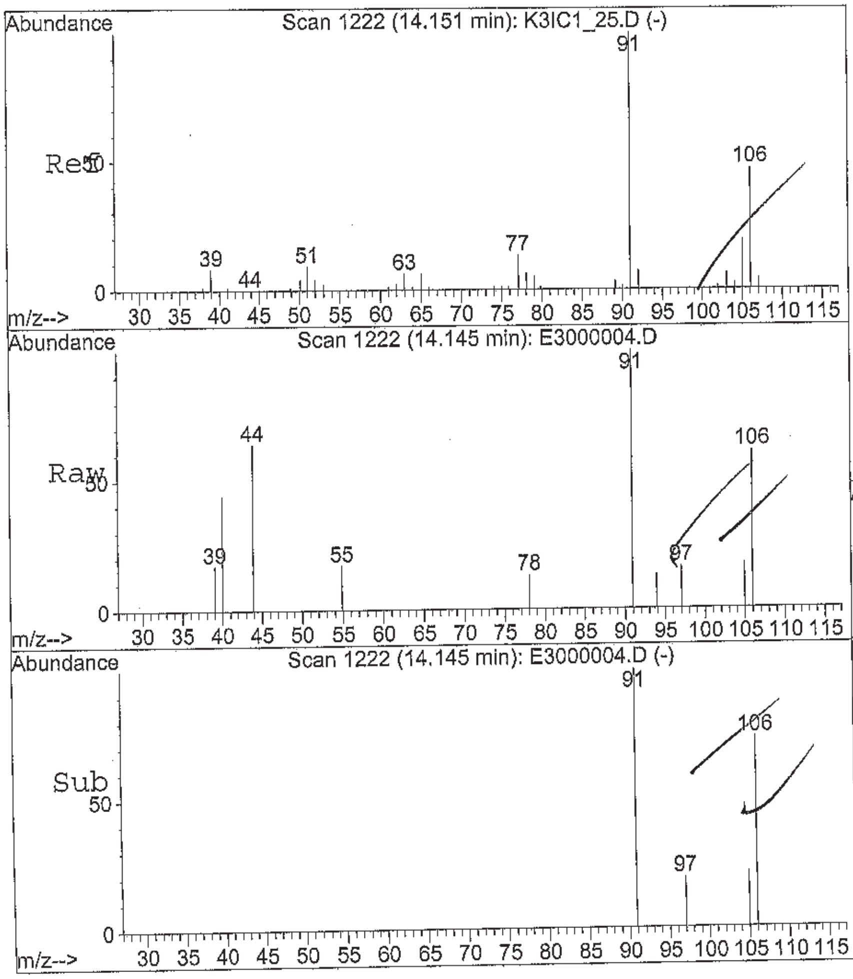


#51
Ethylbenzene
Concen: 0.17 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion: 91 Resp: 3313

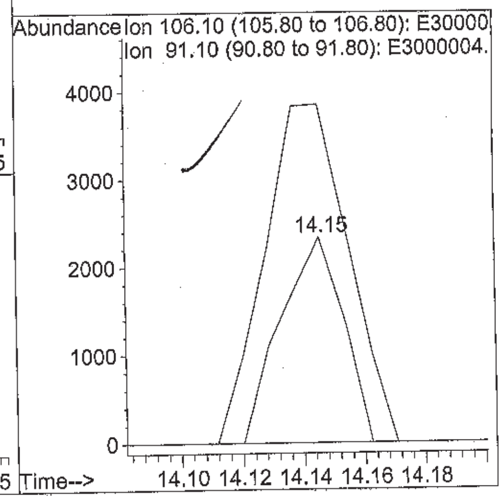
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

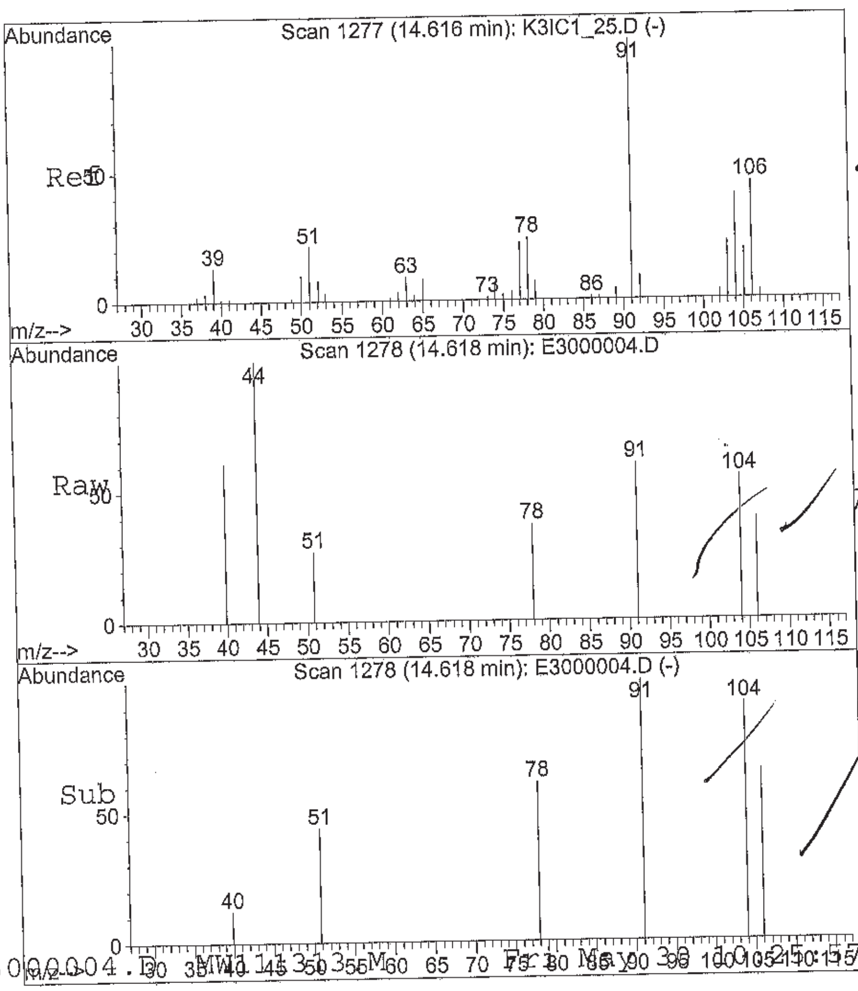




#52
m,p-Xylenes
Concen: 0.47 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

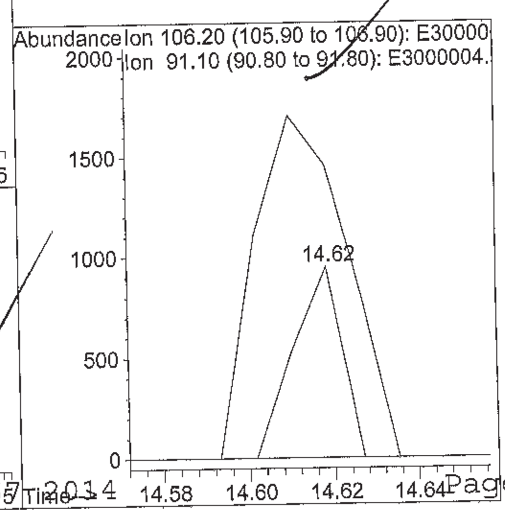
Tgt Ion:106	Resp:		3296
Ion	Ratio	Lower	Upper
106	100		
91	221.2	177.1	265.7

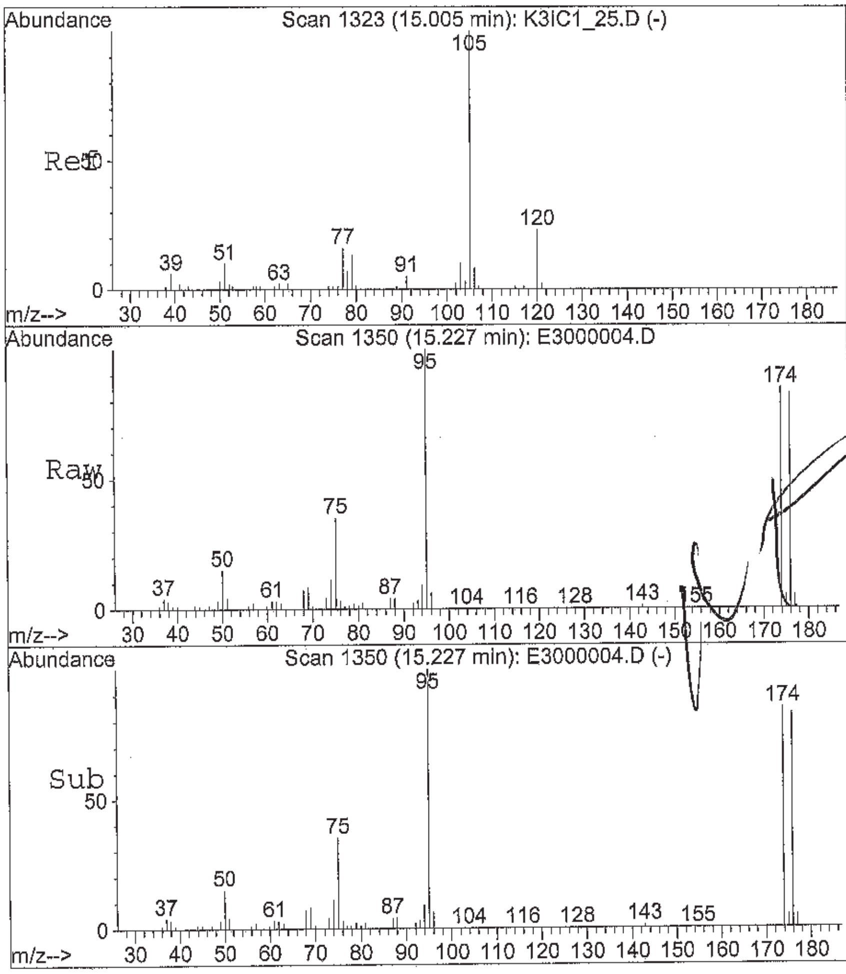




#53
o-Xylene
Concen: 0.11 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

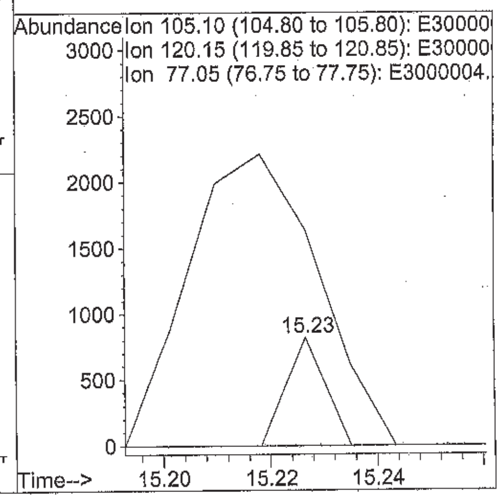
Tgt Ion:106	Resp:		748
Ion	Ratio	Lower	Upper
106	100		
91	341.7	179.0	268.6#

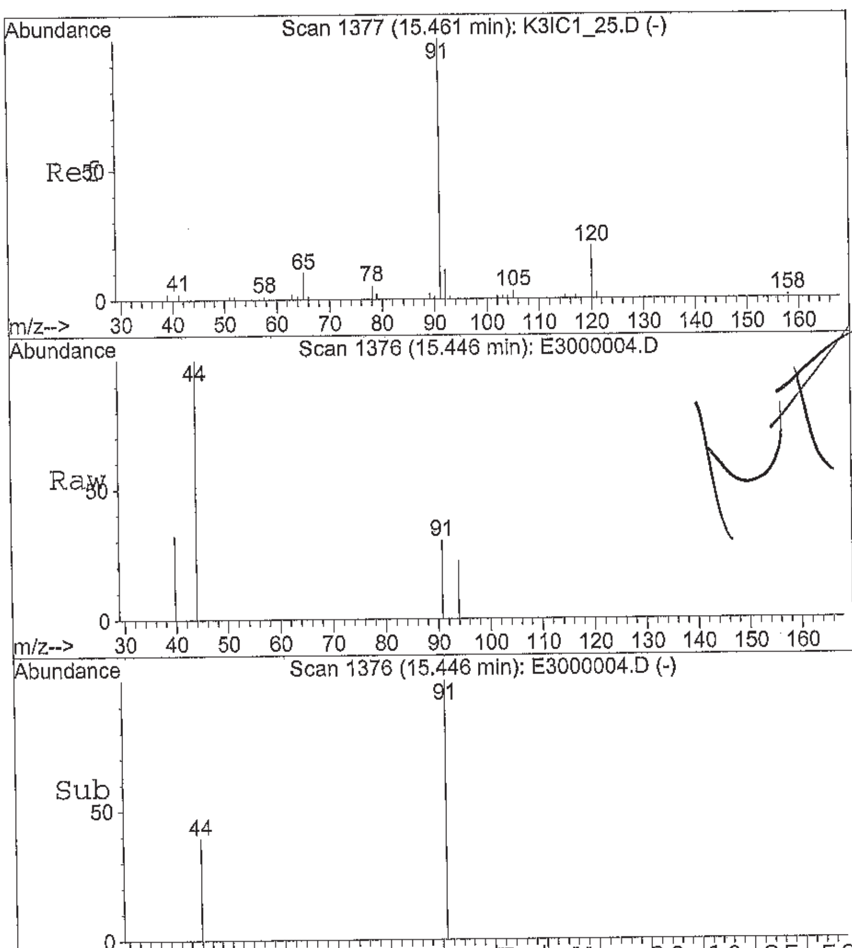




#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. 0.22 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

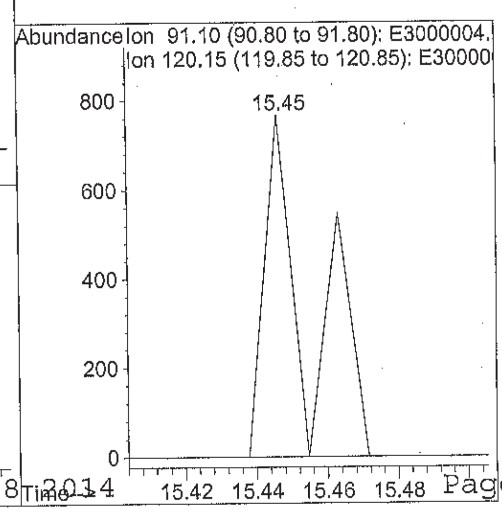
Tgt	Ion:105	Resp:	414
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	895.7	13.1	19.7#

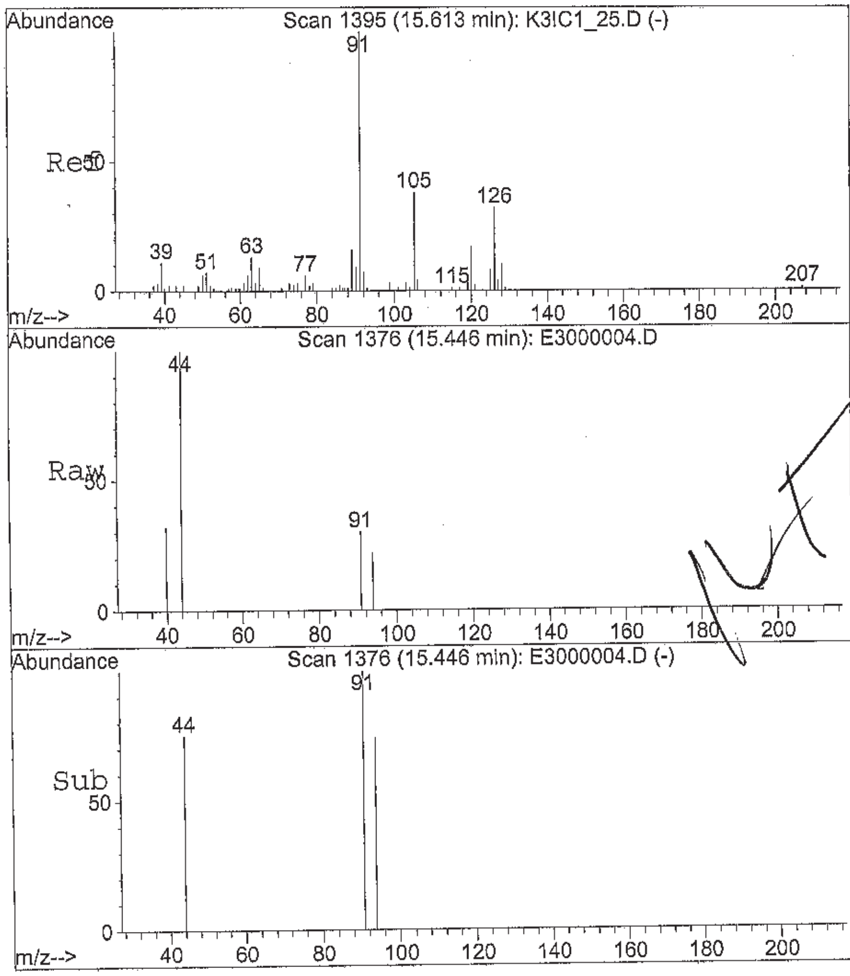




#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt	Ion: 91	Resp:	666
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

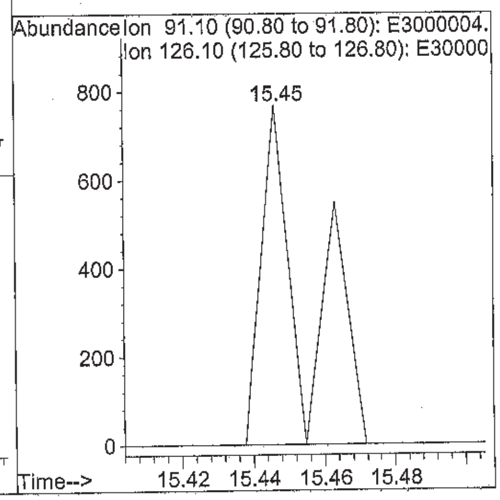


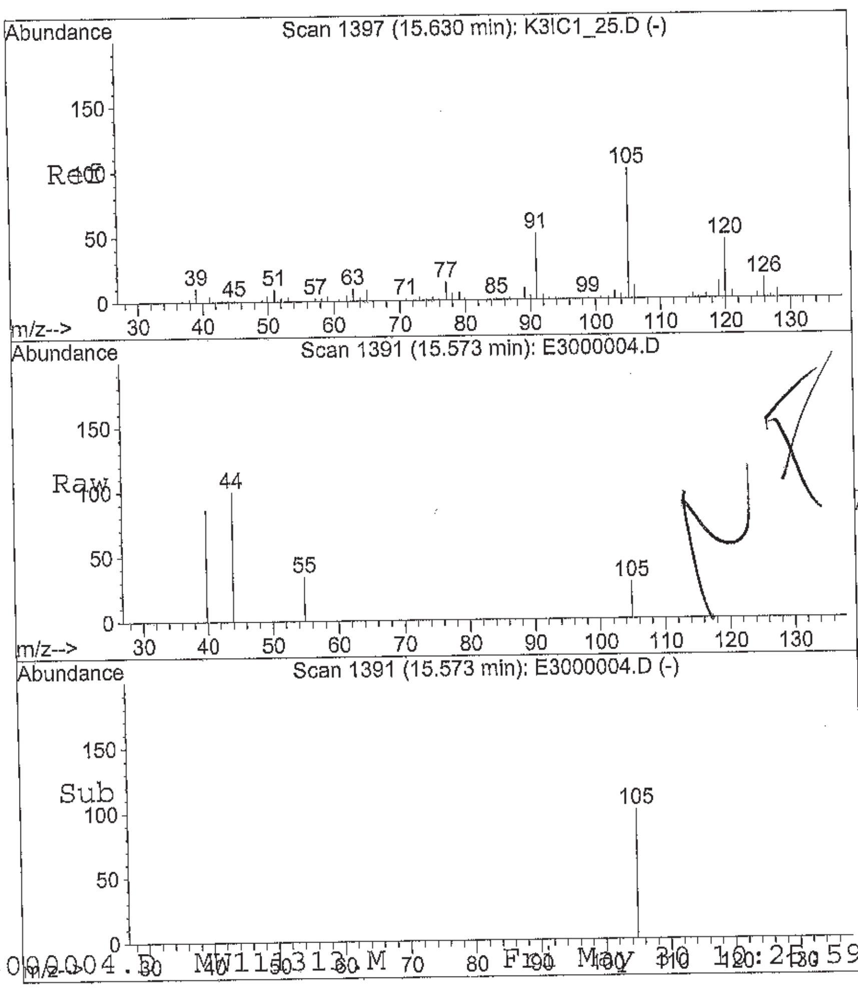


#63
2-Chlorotoluene
Concen: 0.04 ug/L
RT: 15.45 min   Scan# 1376
Delta R.T.   -0.17 min
Lab File: E3000004.D
Acq: 30 May 2014   9:51 am

Tgt Ion: 91 Resp: 666

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

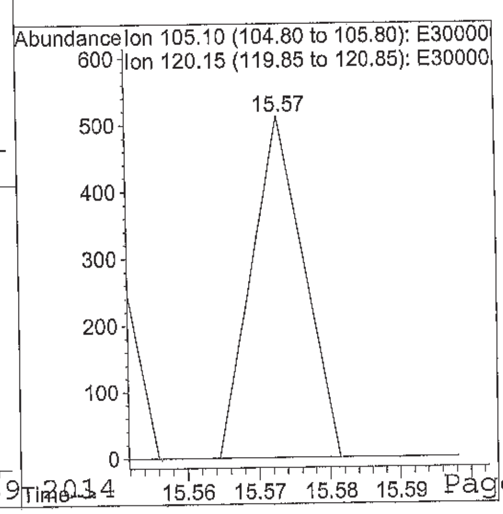


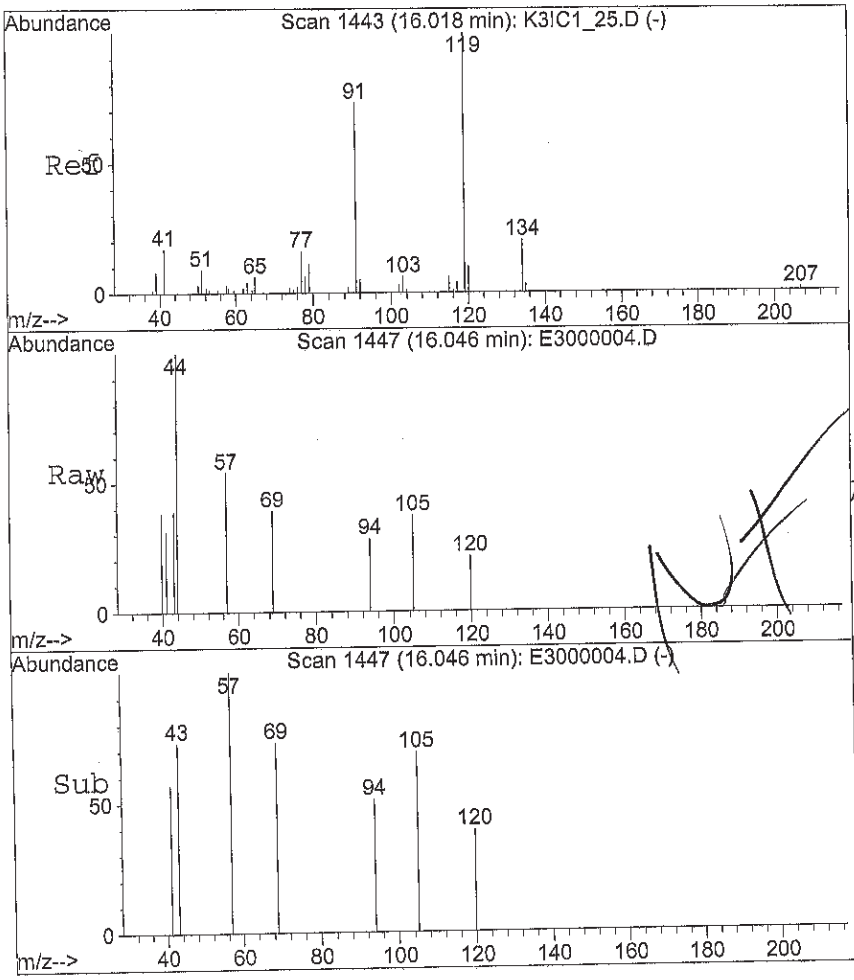


#64
1,3,5-Trimethylbenzene
Concen: 0.01 ug/L
RT: 15.57 min   Scan# 1391
Delta R.T.   -0.06 min
Lab File: E3000004.D
Acq: 30 May 2014   9:51 am

Tgt Ion:105 Resp: 259

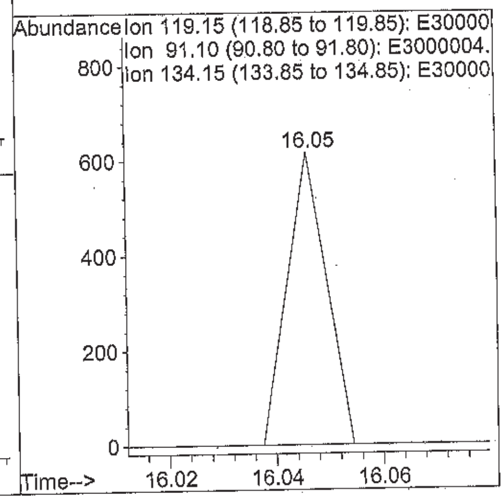
Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

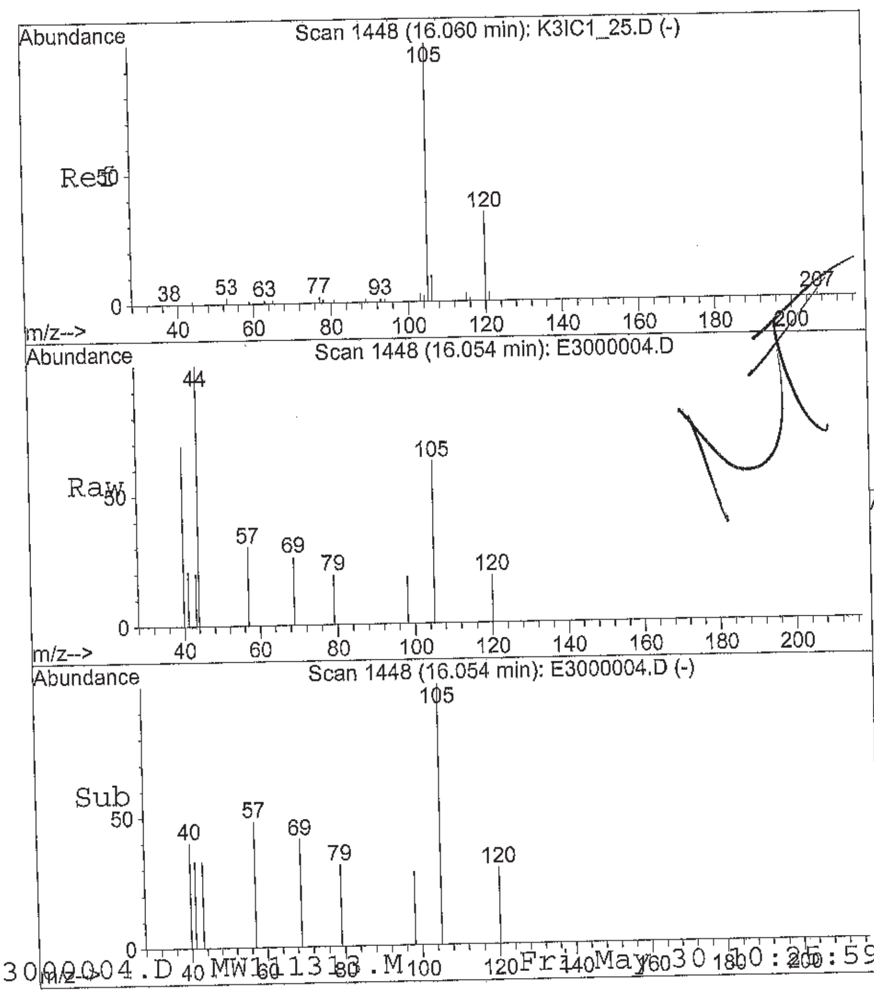




#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. 0.03 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

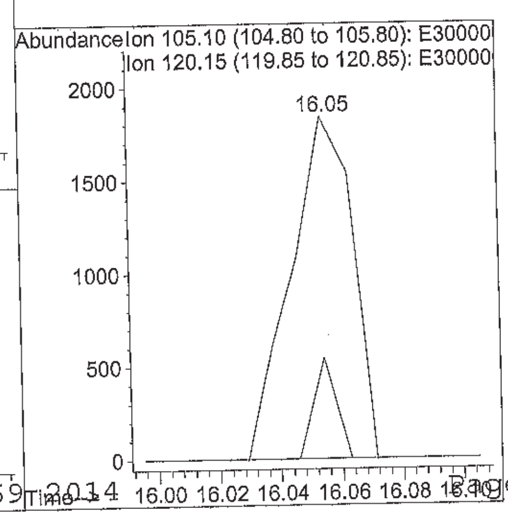
Tgt Ion:119	Resp:		312
Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

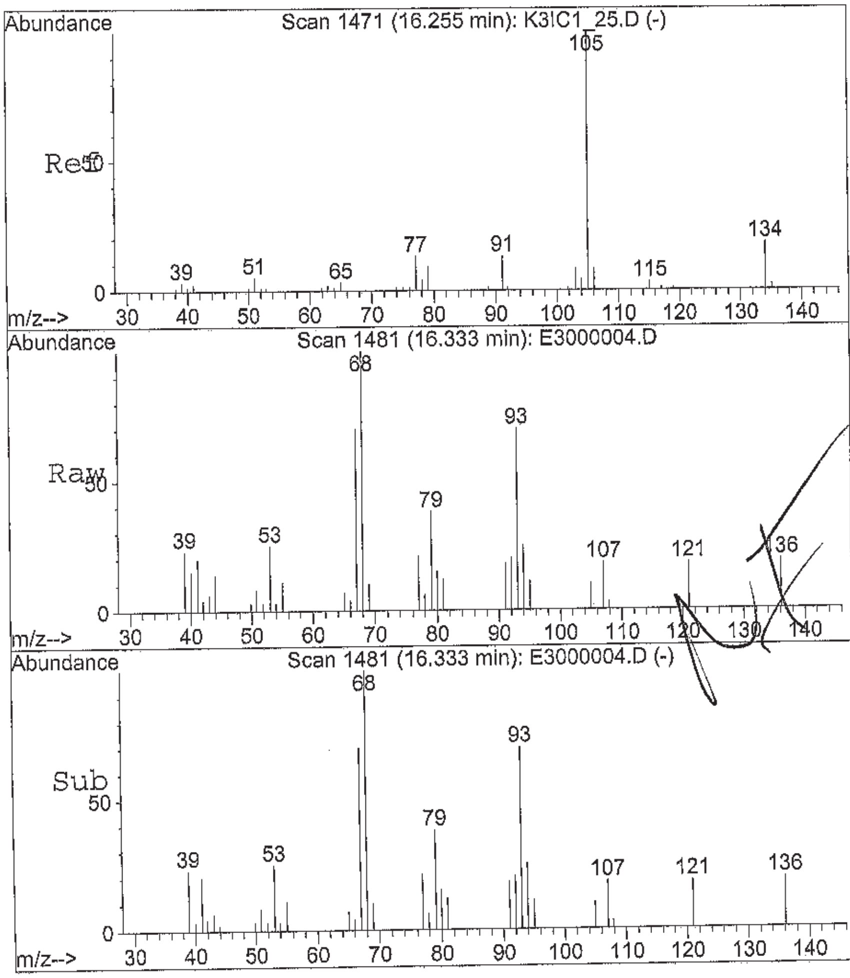




#67
1,2,4-Trimethylbenzene
Concen: 0.14 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

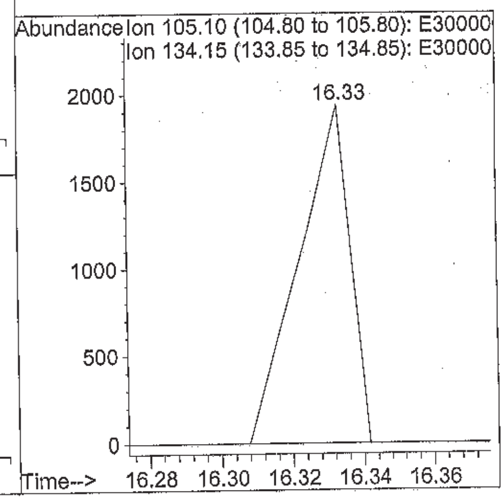
Tgt Ion:105	Resp:		2579
Ion	Ratio	Lower	Upper
105	100		
120	10.7	33.8	50.8#

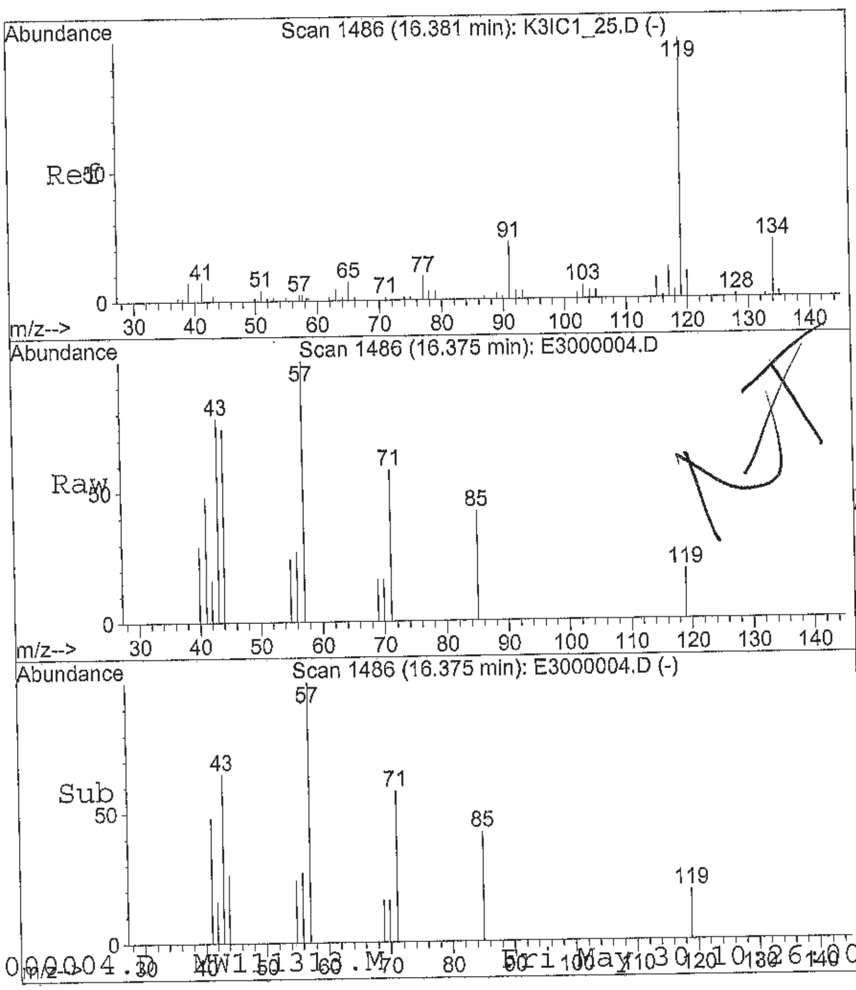




#68
sec-Butylbenzene
Concen: 0.08 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

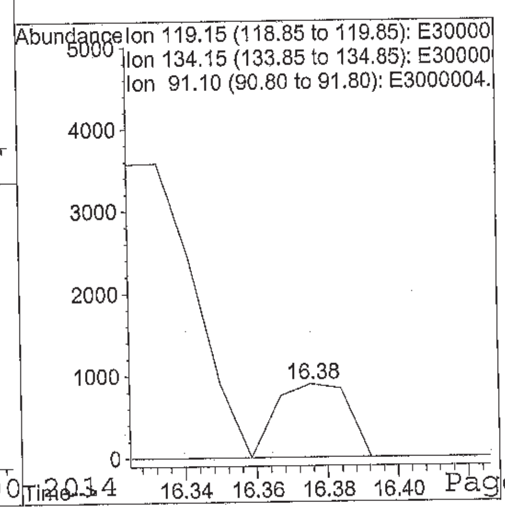
Tgt Ion:105	Resp:		1916
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.06 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E3000004.D
Acq: 30 May 2014 9:51 am

Tgt Ion:119	Resp:		1254
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000004.D            Vial: 3
Acq On    : 30 May 2014   9:51 am                         Operator: DN
Sample    : 3E43001-03                                    Inst    : GC/MS Ins
Misc      : 100cc  SVL-846-SA5D-SV-5.0-6.0                Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 10:25 19114                Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1575066	12.50 ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1285620	12.50 ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	708804	12.50 ug/L	-0.01

System Monitoring Compounds

```
 2) Dibromofluoromethane (SU1)    9.42   113    460483    11.24 ug/L   -0.01
 Spiked Amount     12.500   Range  75 - 125    Recovery   =    89.92%
 3) Chloroform-d (SU6)            9.18    84    698348    11.88 ug/L   -0.01
 Spiked Amount     12.500   Range  70 - 140    Recovery   =    95.04%
 4) Methylene Chloride-d2 (SU5    7.07    86    402830    11.73 ug/L   -0.01
 Spiked Amount     12.500   Range  70 - 140    Recovery   =    93.84%
 5) 1,2-Dichloroethane-d4 (SU2    9.90    65    437810    15.64 ug/L    0.00
 Spiked Amount     12.500   Range  75 - 125    Recovery   =   125.12%#
 6) Benzene-d6 (SU7)              9.92    84   1347638    10.90 ug/L   -0.03
 Spiked Amount     12.500   Range  70 - 140    Recovery   =    87.20%
 8) Toluene-d8 (SU3)             12.20    98   1443837    11.84 ug/L   -0.02
 Spiked Amount     12.500   Range  75 - 125    Recovery   =    94.72%
 9) 4-Bromofluorobenzene (SU4)   15.22    95    724001    14.38 ug/L   -0.01
 Spiked Amount     12.500   Range  75 - 125    Recovery   =   115.04%
```

Target Compounds Qvalue

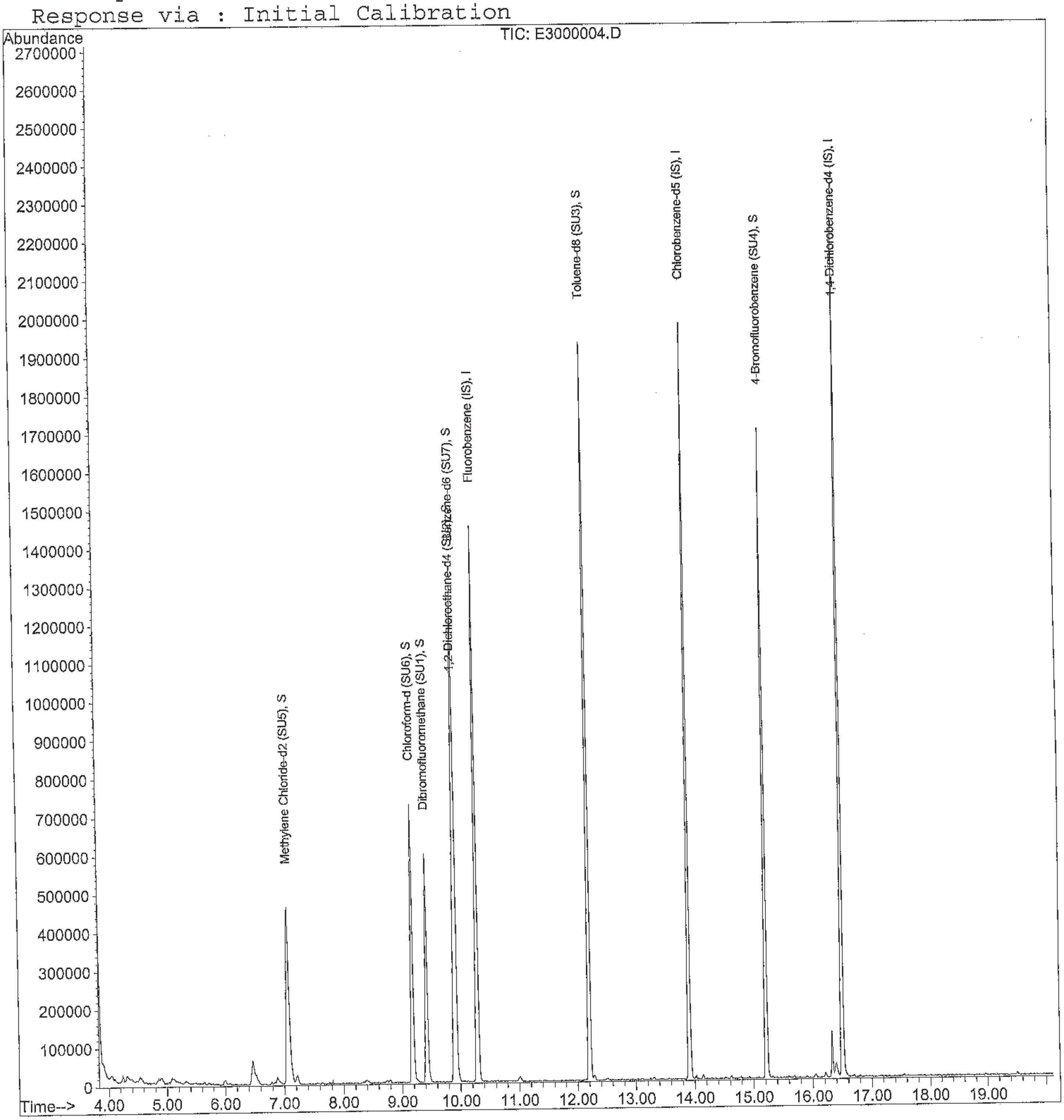
Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000004.D
Acq On : 30 May 2014 9:51 am
Sample : 3E43001-03
Misc : 100cc SVL-846-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 30 10:25 19114

Vial: 3
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000005.D
Acq On : 30 May 2014 10:24 am
Sample : 3E43001-04
Misc : 100cc SVL-546-SA5D-SV-10.0-11.0
MS Integration Params: rteint.p
Quant Time: May 30 11:11 19114

Vial: 4
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.28	96	1495954	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1233484	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	698417	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	438969	11.76	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	94.08%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	425375	11.99	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	95.92%	
39) Toluene-d8 (SU3)	12.20	98	1374561	11.95	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	95.60%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	706585	14.01	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	112.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.39	50	1704	-0.54	~~ug/L~~ #	75
6) Bromomethane	5.08	96	9816	4.19	~~ug/L~~ #	48
7) Chloroethane	5.22	64	2180	2.44	~~ug/L~~ #	32
8) (F11) Trichlorofluorometha	5.64	101	295	0.07	~~ug/L~~ #	16
11) Acetone	6.45	58	2214	179.93	~~ug/L~~ #	1
12) (IPA) Leak Check Compound	6.48	45	186642	1038.28	~~ug/L~~	83
13) Carbon disulfide	6.85	76	28970	2.33	~~ug/L~~	97
14) Methylene Chloride	7.08	84	6218	1.51	~~ug/L~~ #	9
15) (TBA) tert-Butanol	6.97	59	280	1.10	~~ug/L~~ #	77
24) Chloroform	9.22	83	1678	0.21	~~ug/L~~ #	1
25) (ETBE) 2-ethoxy 2-methyl p	8.54	59	1541	0.14	~~ug/L~~ #	44
31) Benzene	9.98	78	6329	0.45	~~ug/L~~ #	66
32) 1,2-Dichloroethane	9.92	62	5828	1.17	~~ug/L~~ #	1
35) Dibromomethane	11.37	93	311	0.12	~~ug/L~~ #	5
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	8014	3.26	~~ug/L~~ #	100
41) Toluene	12.28	91	8622	0.51	ug/L 0.0102	88
46) 2-Hexanone	12.84	43	638	0.24	~~ug/L~~ #	37
51) Ethylbenzene	14.14	91	5494	0.29	~~ug/L~~	89
52) m,p-Xylenes	14.14	106	2438	0.36	ug/L 0.0072	98
53) o-Xylene	14.61	106	352	0.05	ug/L # 0.001	1
54) Styrene	14.62	104	2677	-0.59	~~ug/L~~ #	58
56) Isopropylbenzene	15.21	105	984	0.05	~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E3000005.D
Vial: 4
Acq On : 30 May 2014 10:24 am
Operator: DN
Sample : 3E43001-04
Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-10.0-11.0
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:11 19114
Quant Results File: MW111313.RES

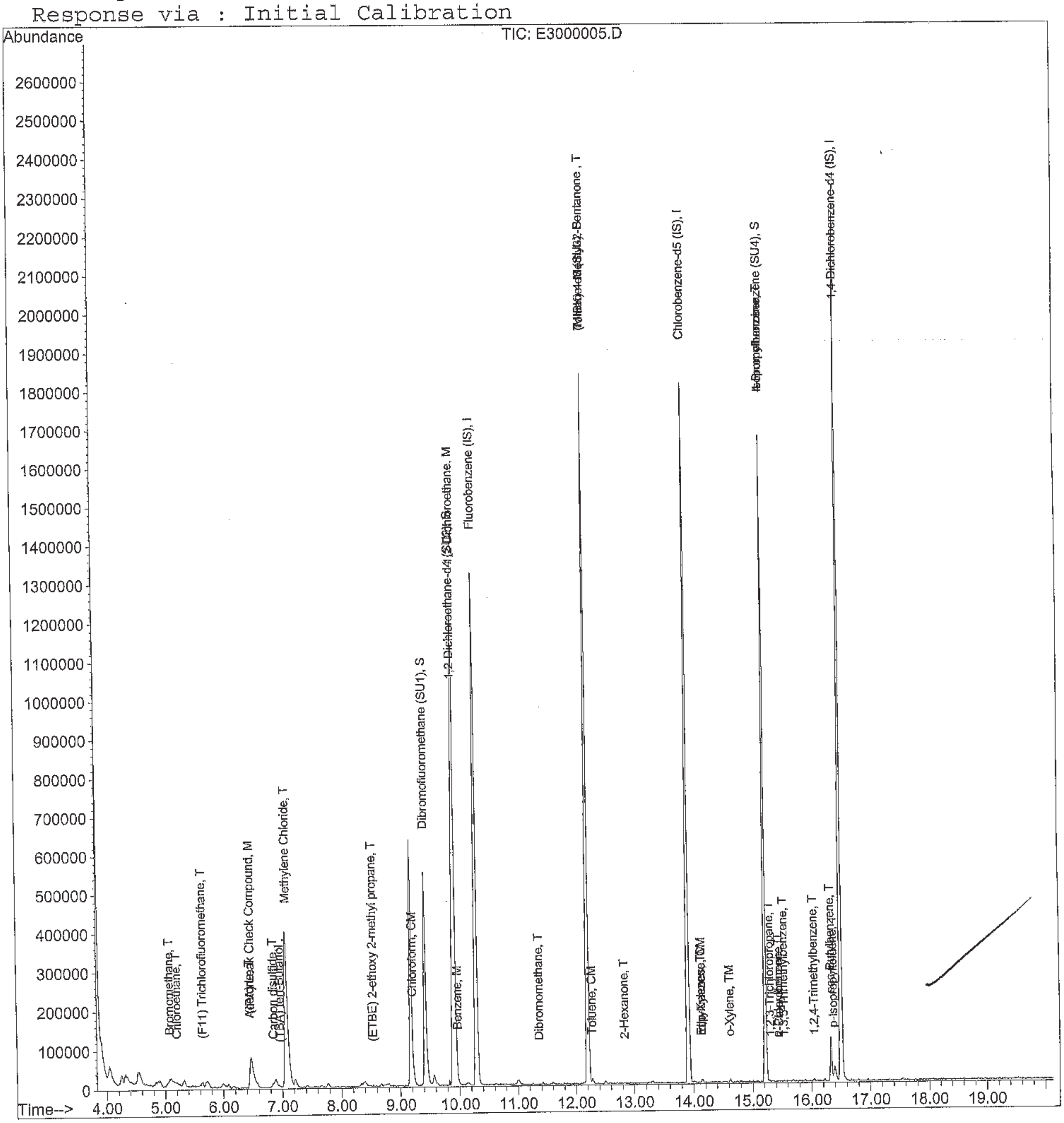
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

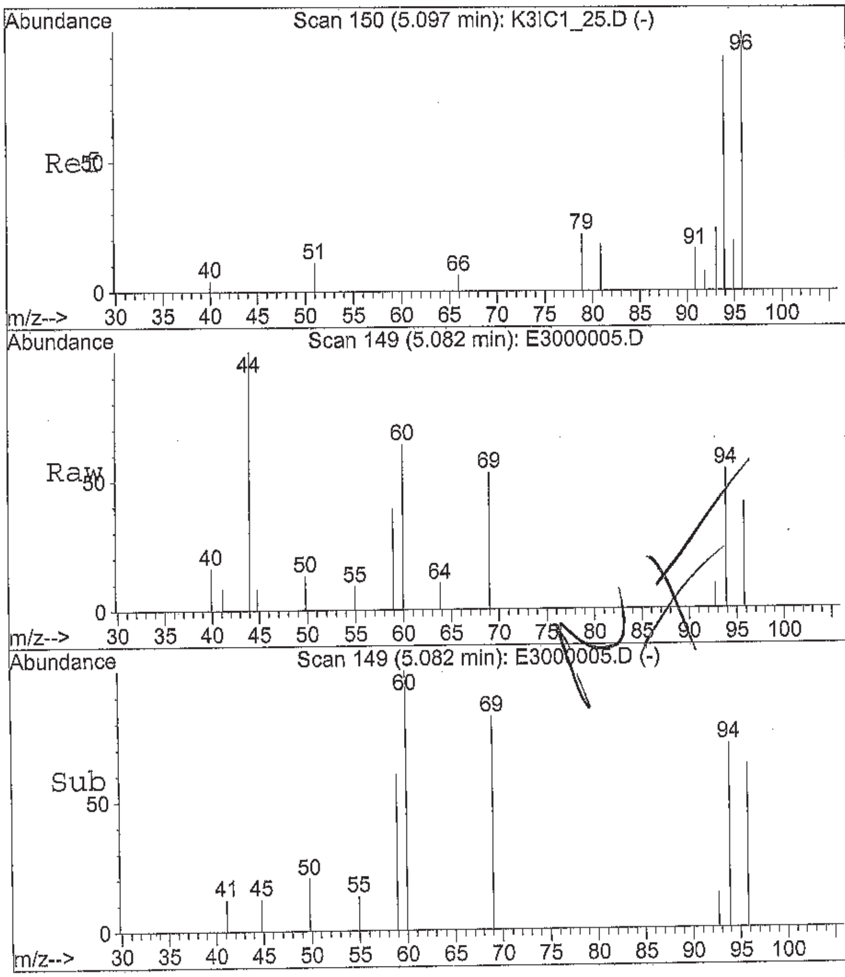
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
57)	1,2,3-Trichloropropane	15.30	75	298	0.06	~~ug/L~~ # SM	36
62)	n-Propylbenzene	15.45	91	296	0.01	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.45	91	296	0.02	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.54	105	347	0.02	~~ug/L~~ #	31
67)	1,2,4-Trimethylbenzene	16.05	105	1073	0.06	~~ug/L~~ #	81
68)	sec-Butylbenzene	16.33	105	1612	0.07	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.37	119	384	0.02	~~ug/L~~ #	52

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000005.D Vial: 4
Acq On : 30 May 2014 10:24 am Operator: DN
Sample : 3E43001-04 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:11 19114 Quant Results File: MW111313.RES

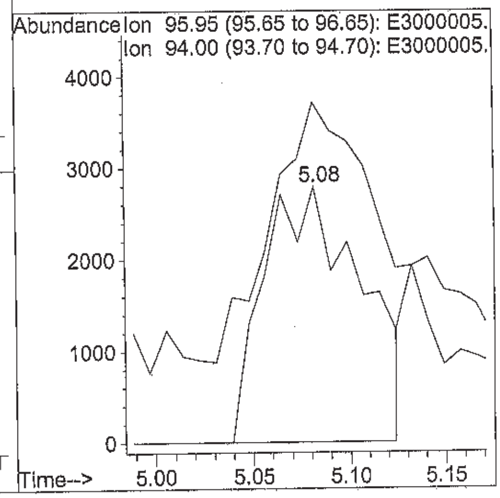
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

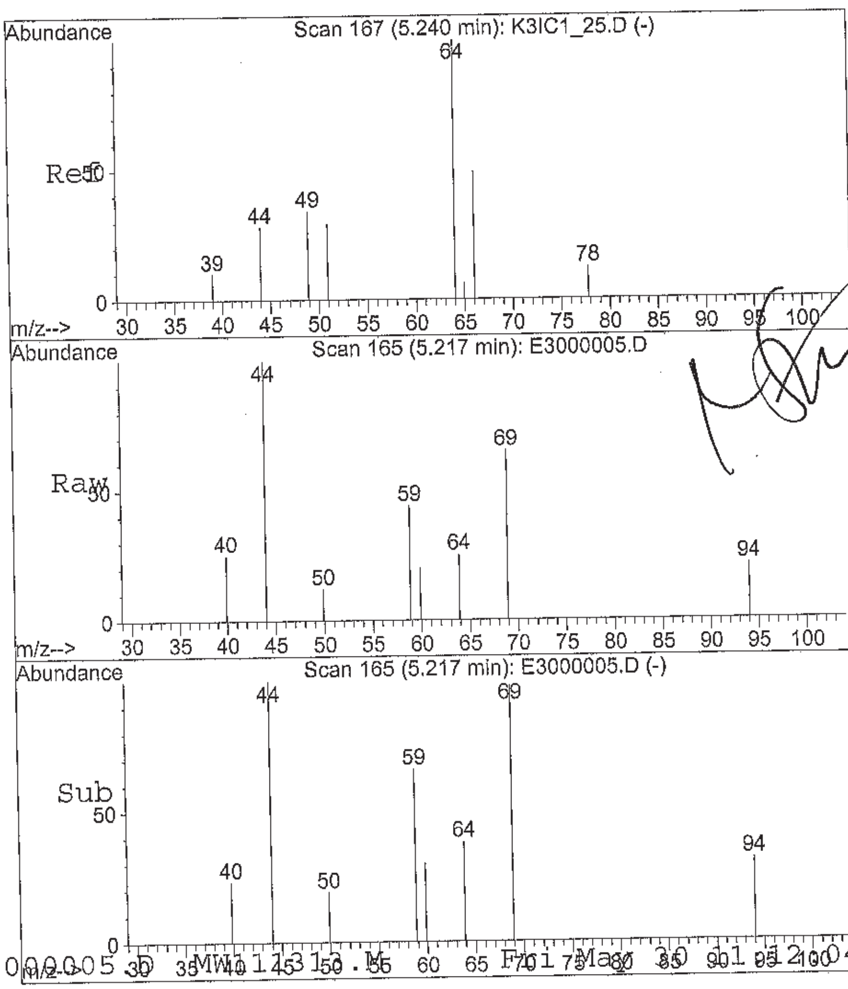




#6
Bromomethane
Concen: 4.19 ug/L
RT: 5.08 min   Scan# 149
Delta R.T.   -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014   10:24 am

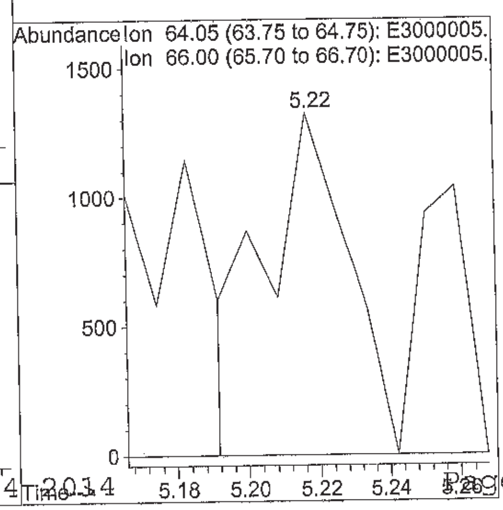
Tgt Ion: 96	Resp:		9816
Ion	Ratio	Lower	Upper
96	100		
94	185.8	101.0	151.4#

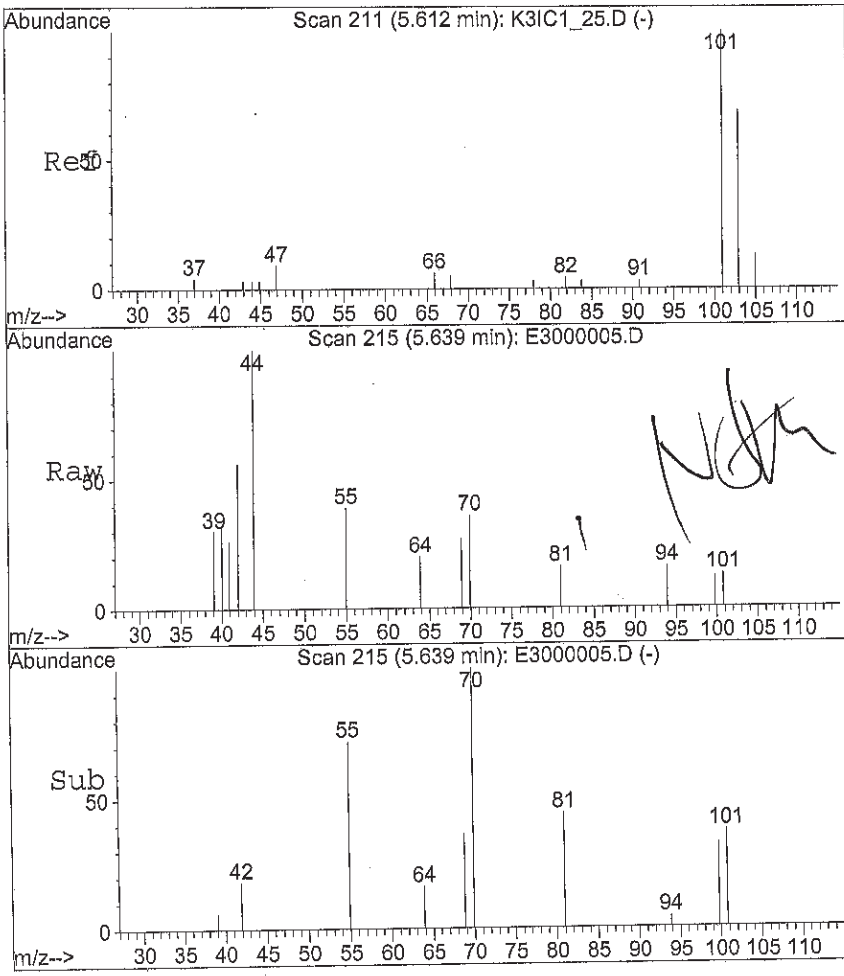




#7
Chloroethane
Concen: 2.44 ug/L
RT: 5.22 min   Scan# 165
Delta R.T.   -0.02 min
Lab File: E3000005.D
Acq: 30 May 2014   10:24 am

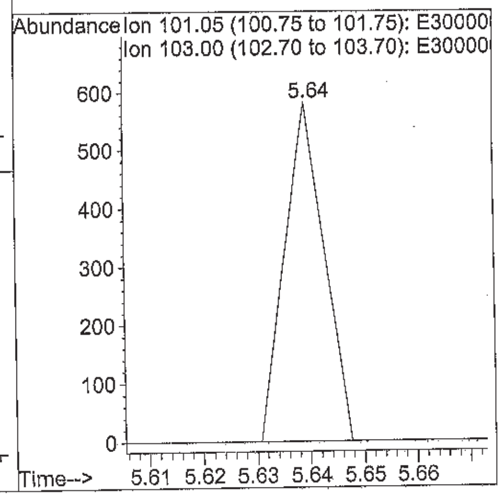
Tgt Ion: 64	Resp:		2180
Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

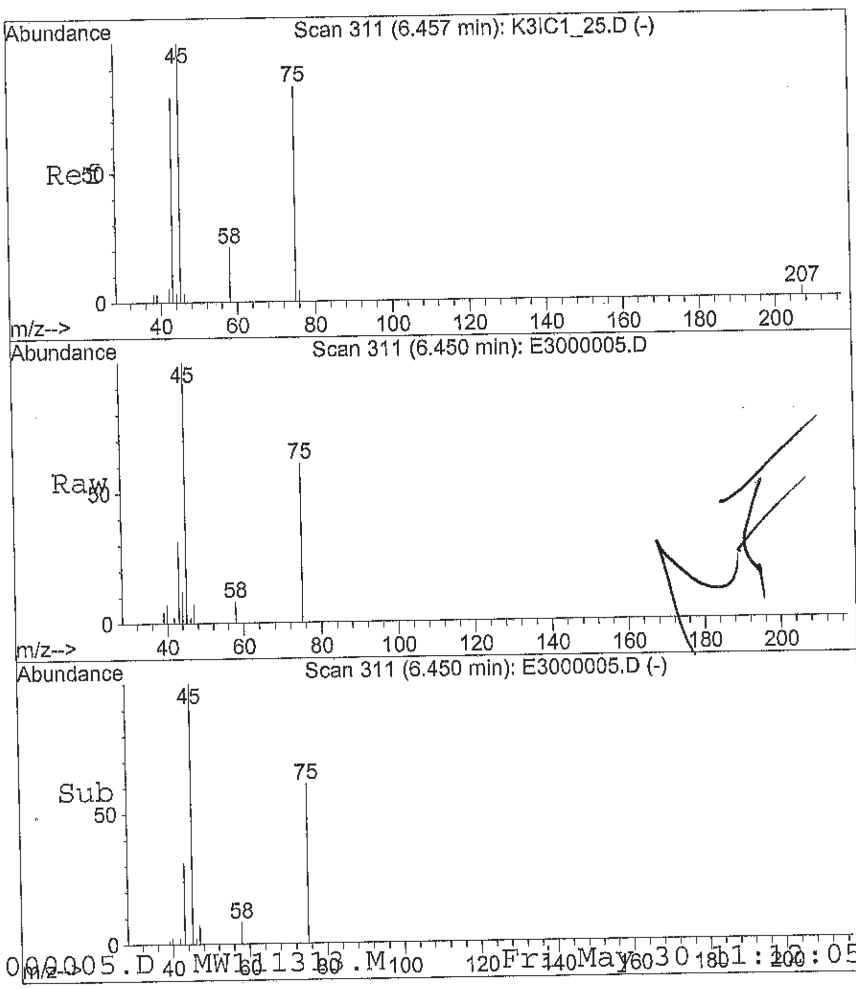




#8
(F11) Trichlorofluoromethane
Concen: 0.07 ug/L
RT: 5.64 min   Scan# 215
Delta R.T.   0.03 min
Lab File: E3000005.D
Acq: 30 May 2014   10:24 am

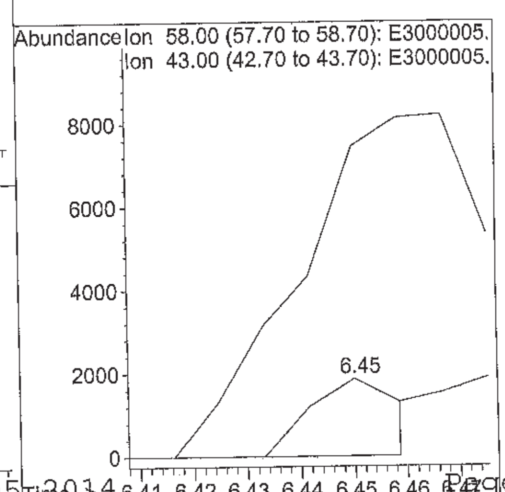
Tgt Ion:101		Resp:	295
Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.5	81.7#

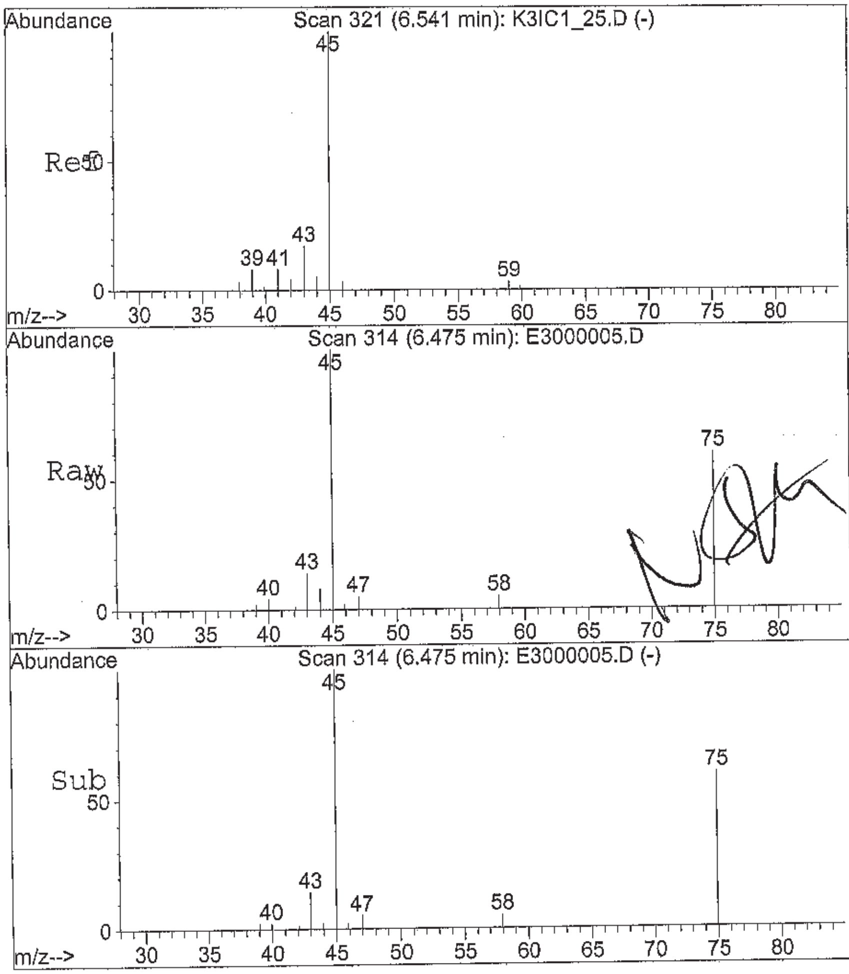




#11
Acetone
Concen: 179.93 ug/L
RT: 6.45 min   Scan# 311
Delta R.T.   -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014   10:24 am

Tgt Ion: 58		Resp:	2214
Ion	Ratio	Lower	Upper
58	100		
43	0.0	360.9	541.3#

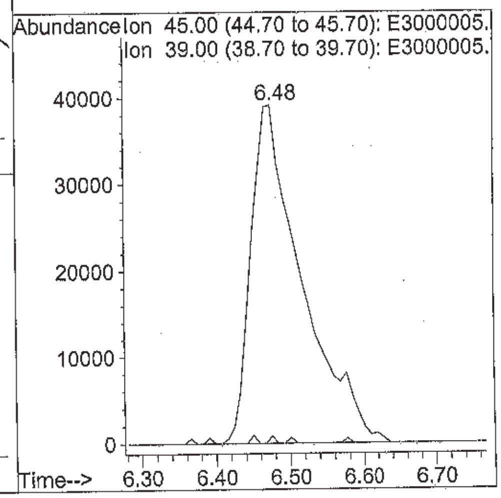


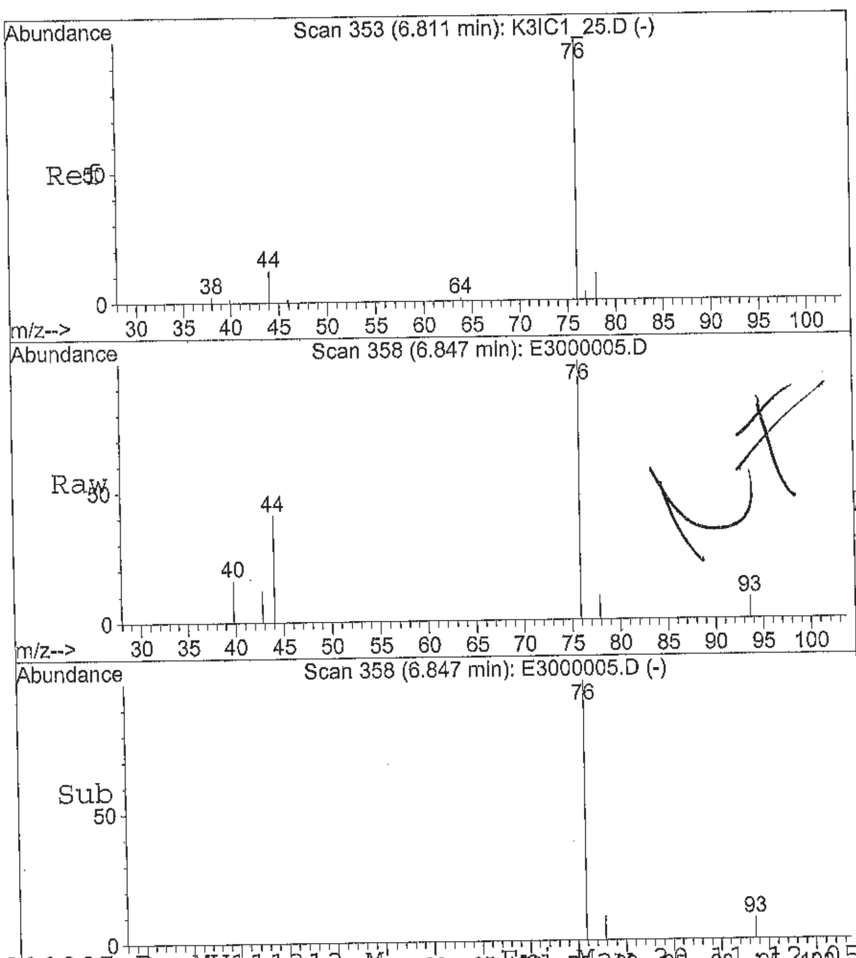


#12
(IPA) Leak Check Compound
Concen: 1038.28 ug/L
RT: 6.48 min Scan# 314
Delta R.T. -0.07 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 45 Resp: 186642

Ion	Ratio	Lower	Upper
45	100		
39	0.2	4.9	7.3#

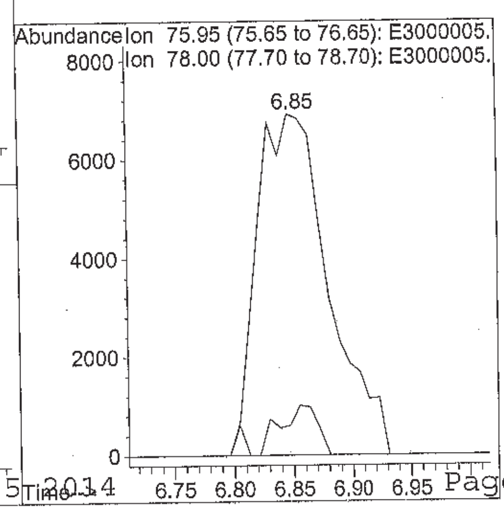


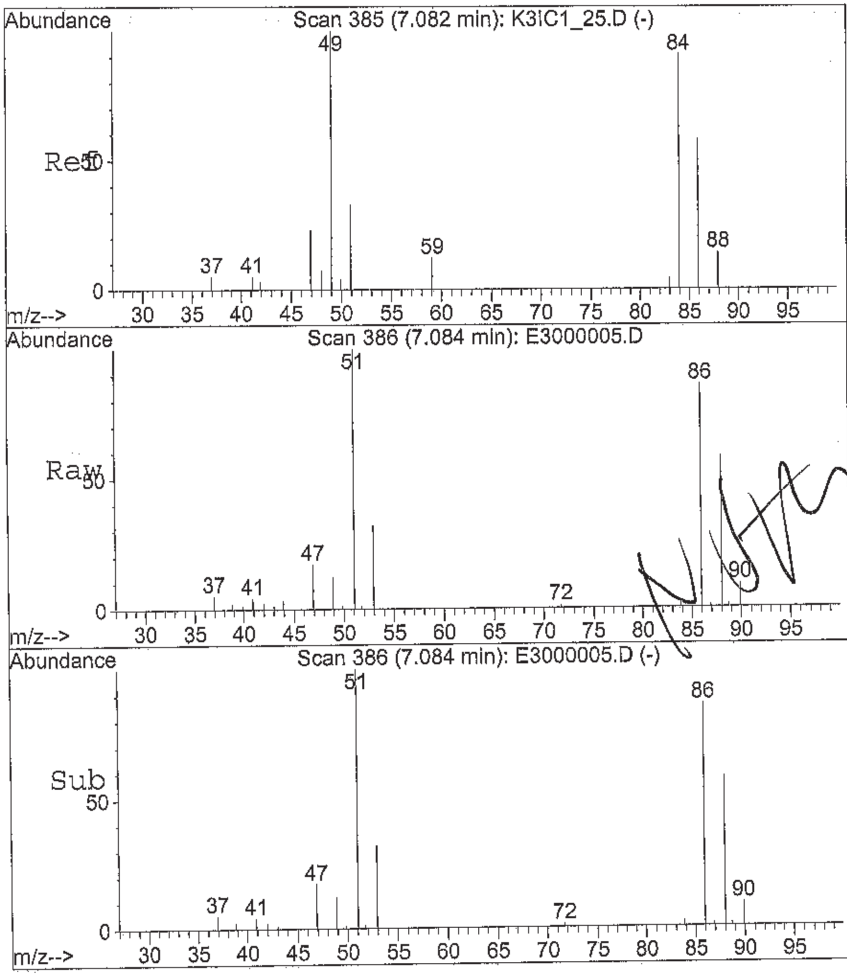


#13
Carbon disulfide
Concen: 2.33 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 76 Resp: 28970

Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.0	10.4

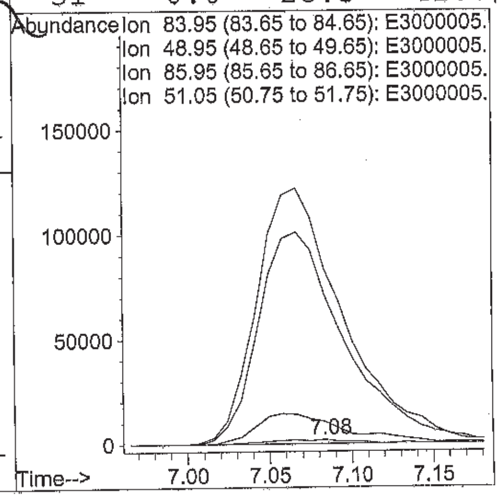


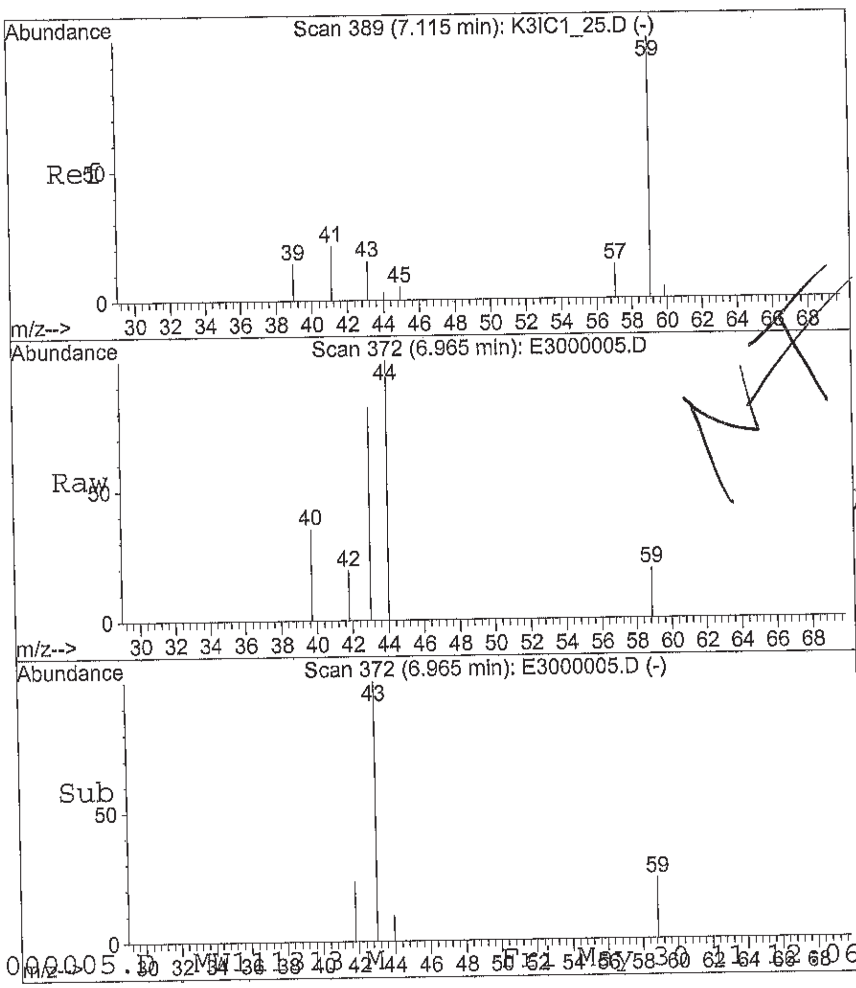


#14
Methylene Chloride
Concen: 1.51 ug/L
RT: 7.08 min Scan# 386
Delta R.T. 0.00 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 84 Resp: 6218

Ion	Ratio	Lower	Upper
84	100		
49	0.0	89.8	134.6#
86	0.0	51.1	76.7#
51	0.0	28.5	42.7#

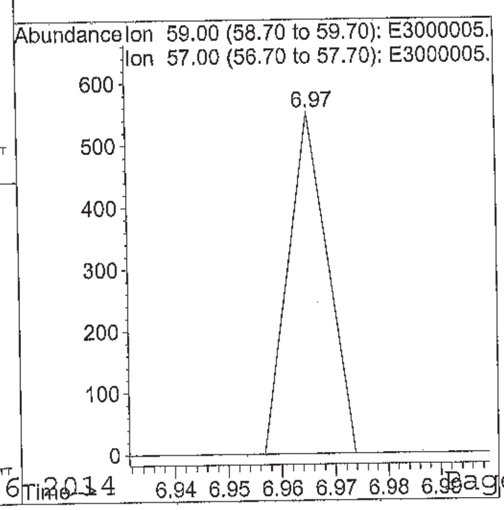


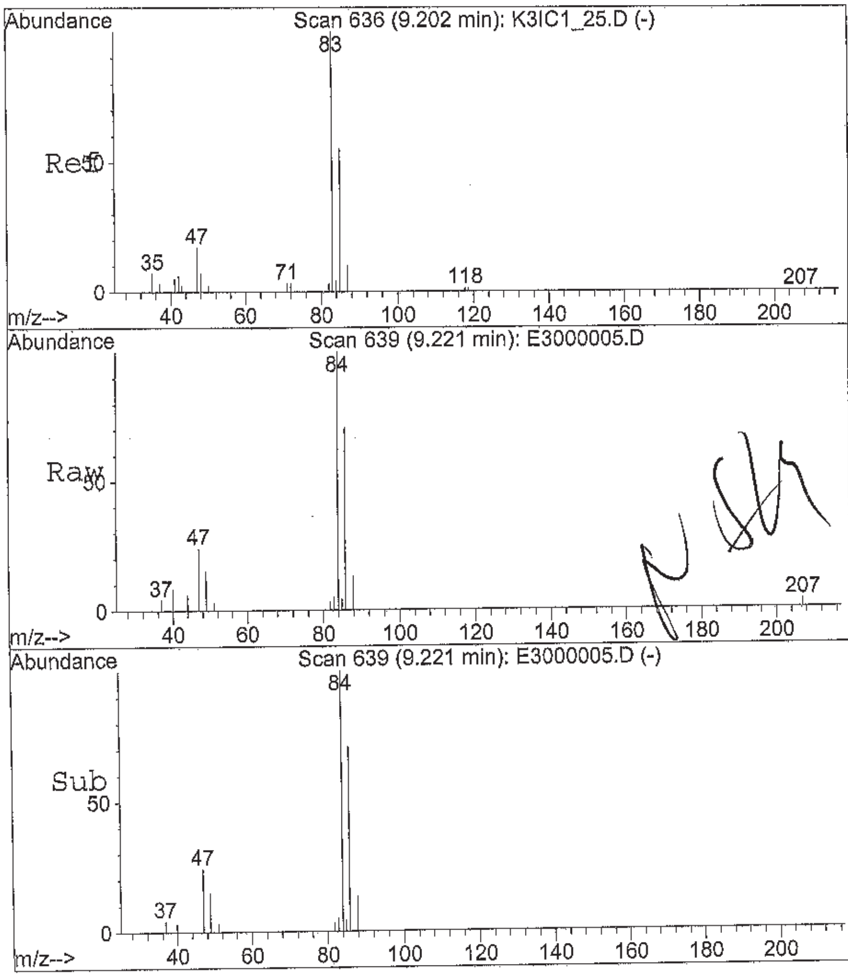


#15
(TBA) tert-Butanol
Concen: 1.10 ug/L
RT: 6.97 min Scan# 372
Delta R.T. -0.15 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 59 Resp: 280

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

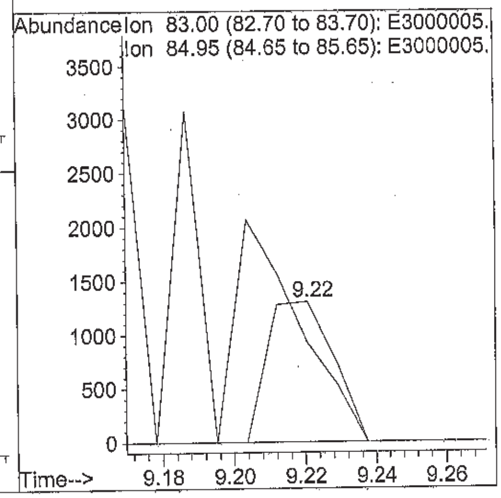


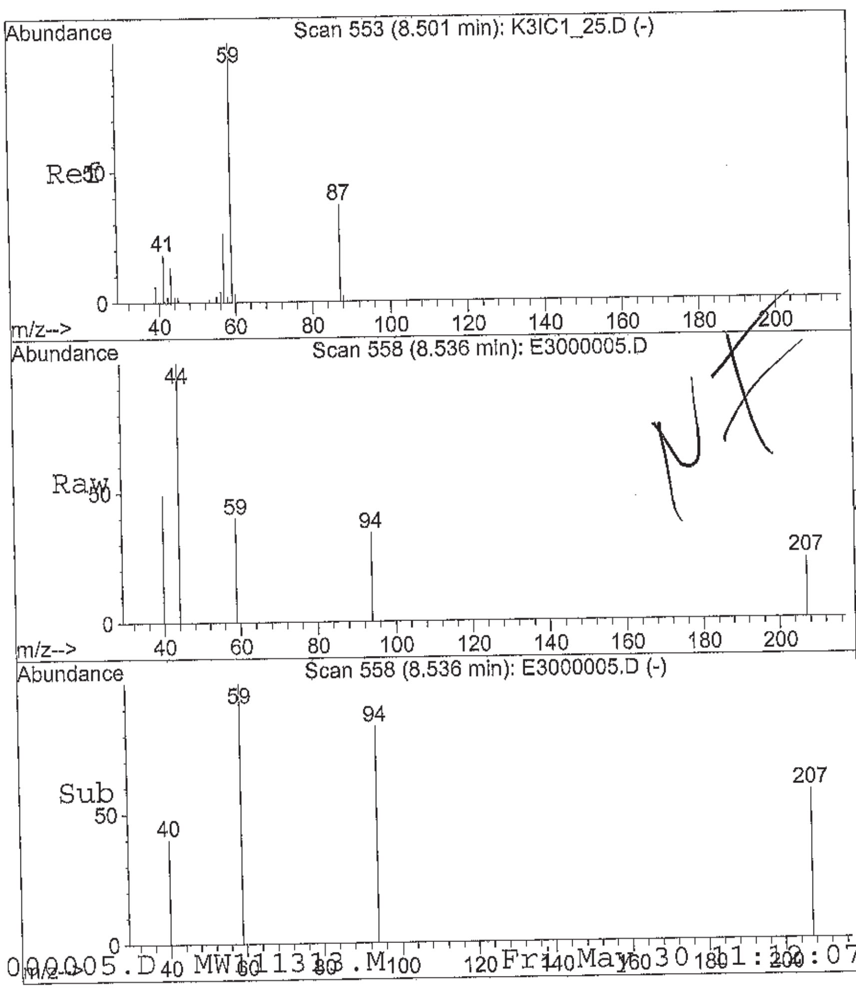


#24
Chloroform
Concen: 0.21 ug/L
RT: 9.22 min Scan# 639
Delta R.T. 0.02 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 83 Resp: 1678

Ion	Ratio	Lower	Upper
83	100		
85	153.5	51.8	77.6#

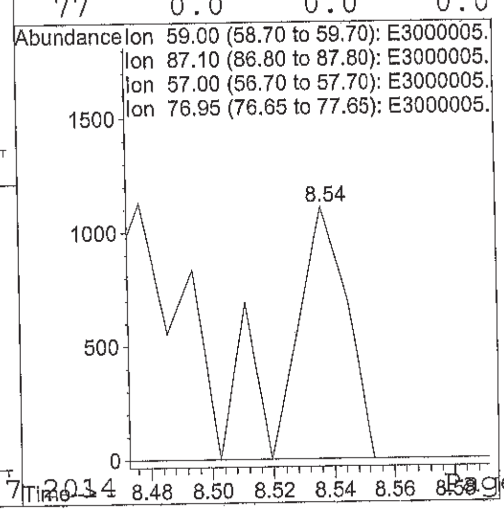


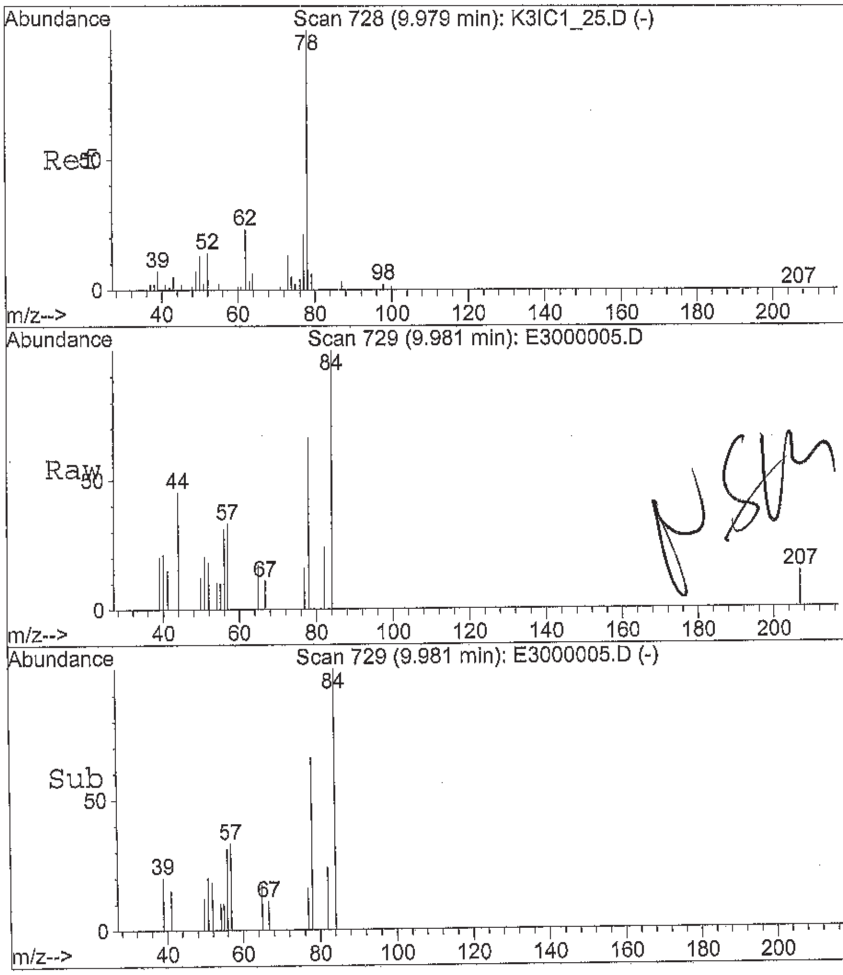


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.14 ug/L
RT: 8.54 min Scan# 558
Delta R.T. 0.04 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 59 Resp: 1541

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0



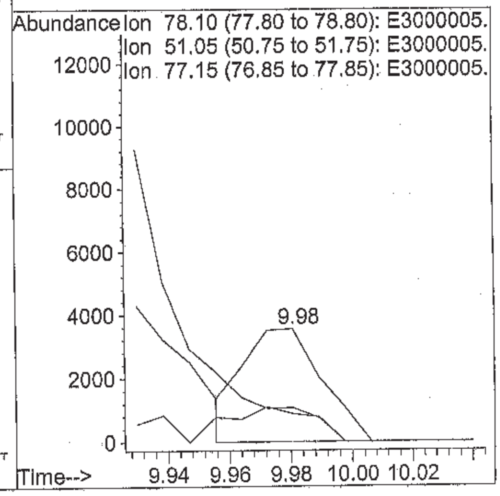


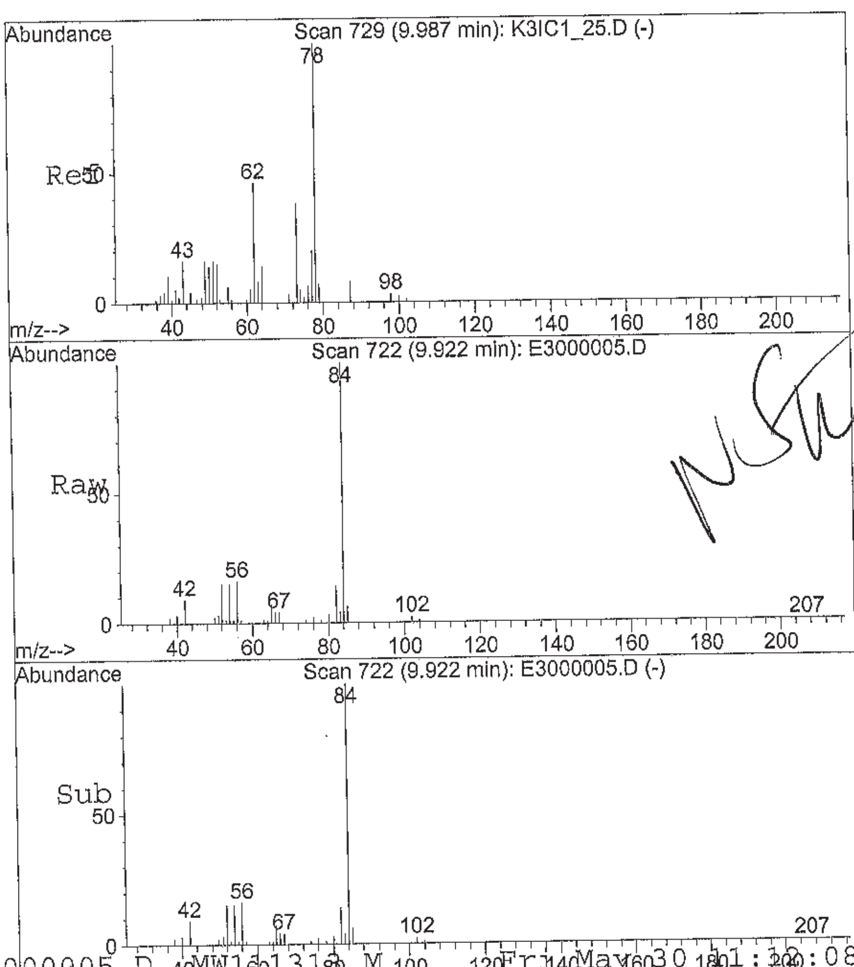
#31
Benzene
Concen: 0.45 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 78 Resp: 6329

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	34.0	16.6	24.8#

NSh



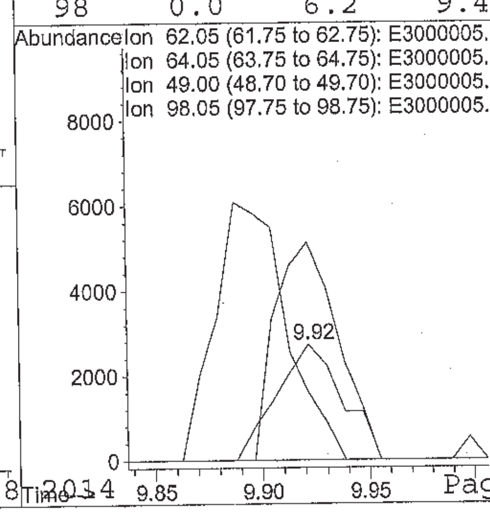


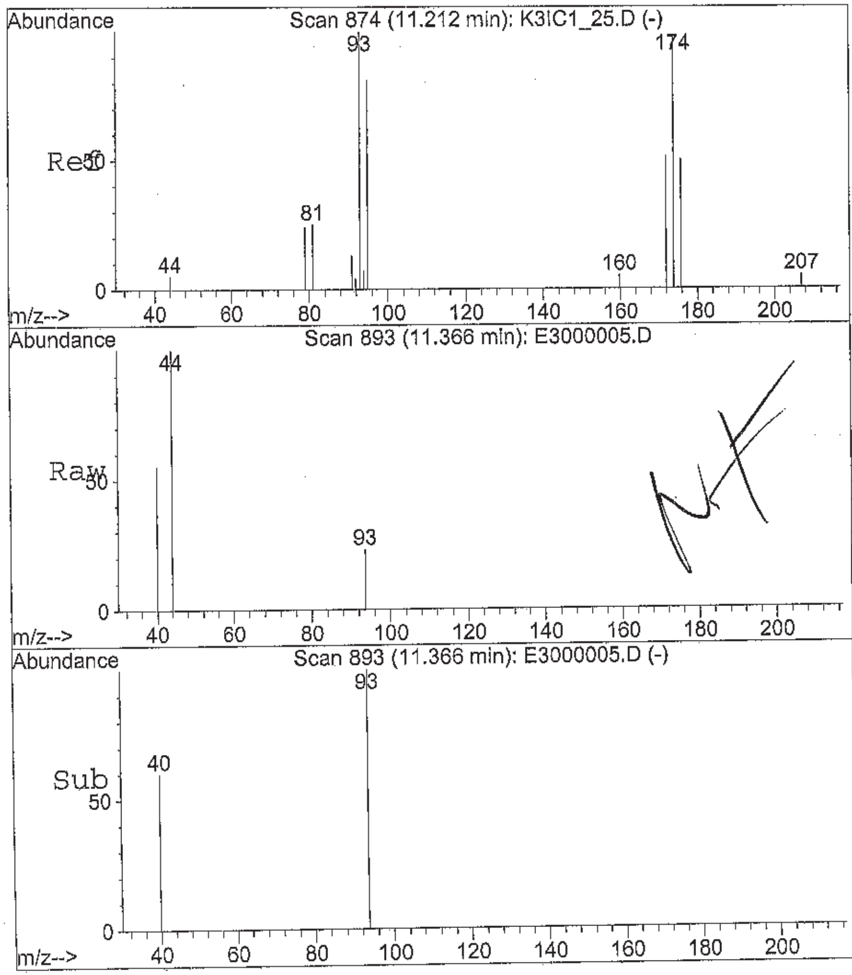
#32
1,2-Dichloroethane
Concen: 1.17 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.07 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 62 Resp: 5828

Ion	Ratio	Lower	Upper
62	100		
64	179.8	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

NSh

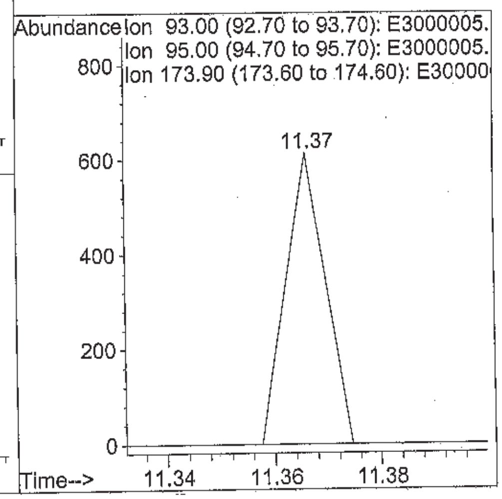


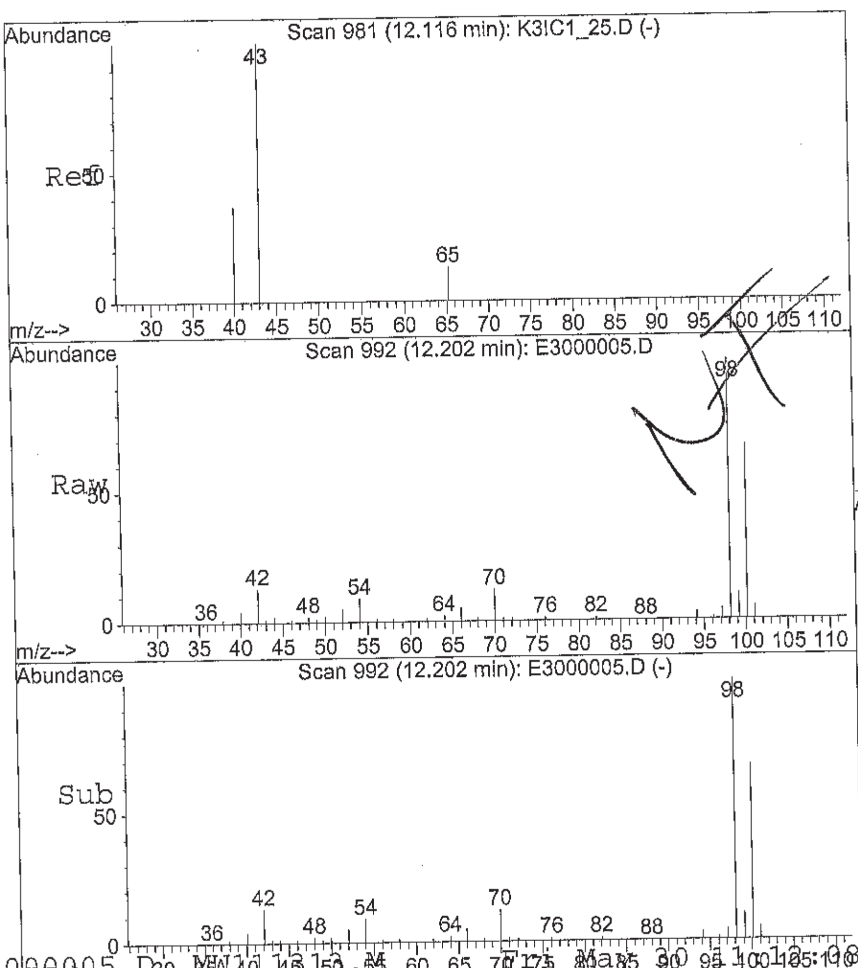


#35
Dibromomethane
Concen: 0.12 ug/L
RT: 11.37 min Scan# 893
Delta R.T. 0.15 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 93 Resp: 311

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

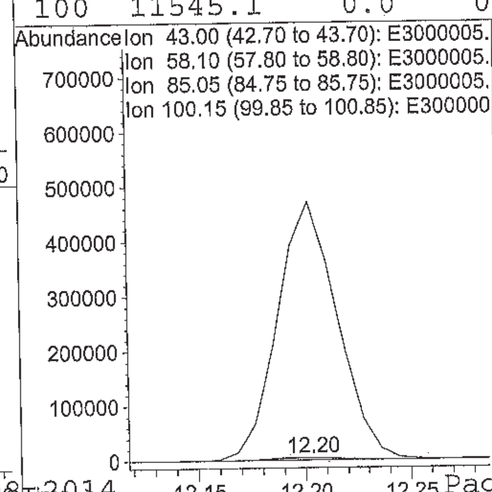


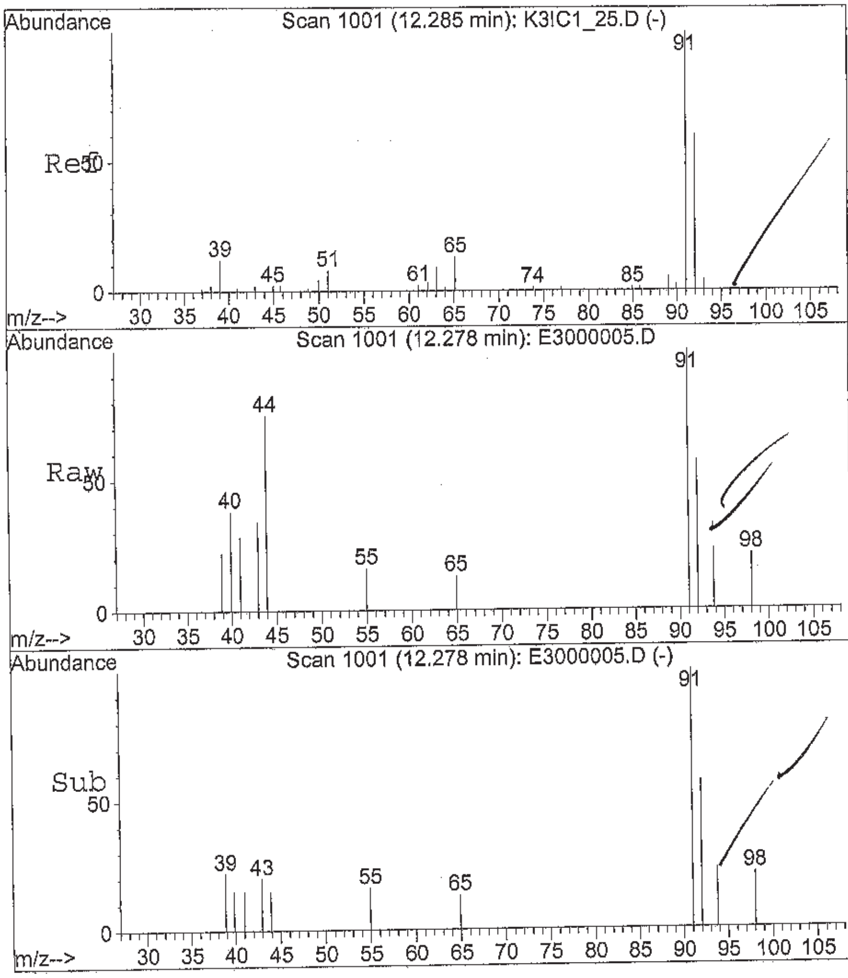


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.26 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 43 Resp: 8014

Ion	Ratio	Lower	Upper
43	100		
58	128.3	0.0	0.0#
85	0.0	0.0	0.0
100	11545.1	0.0	0.0#

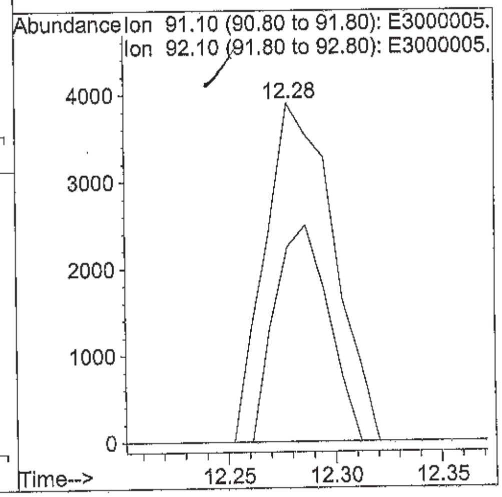


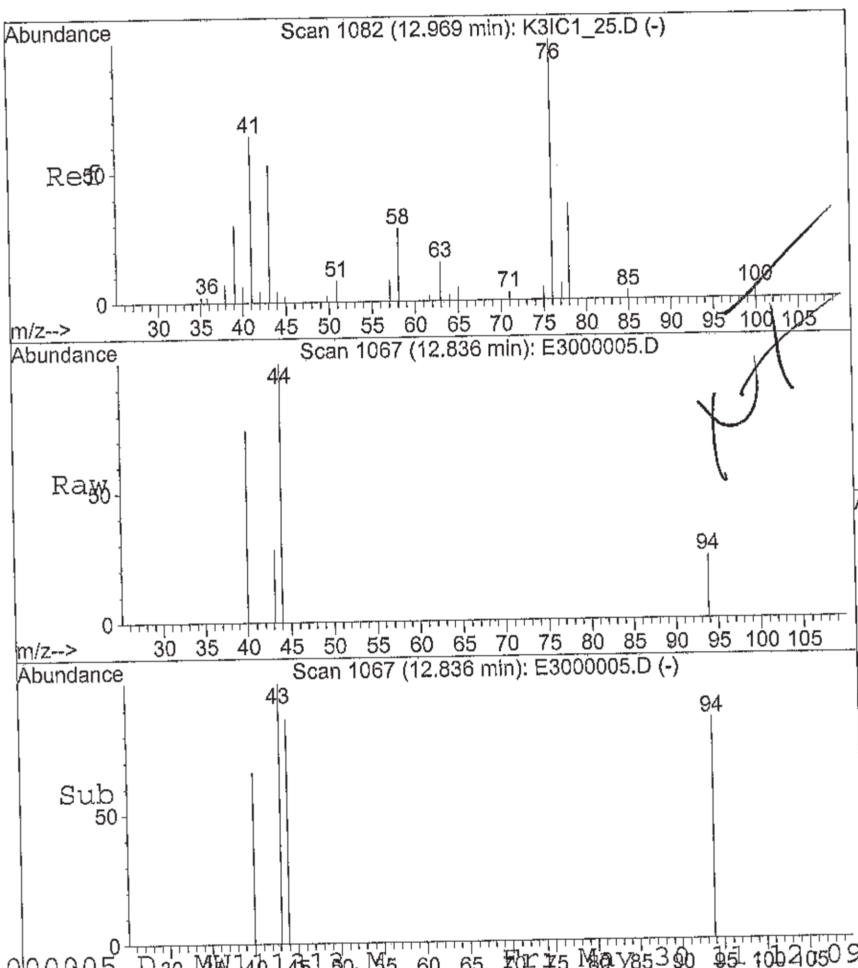


#41
Toluene
Concen: 0.51 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 91 Resp: 8622

Ion	Ratio	Lower	Upper
91	100		
92	50.0	47.4	71.0

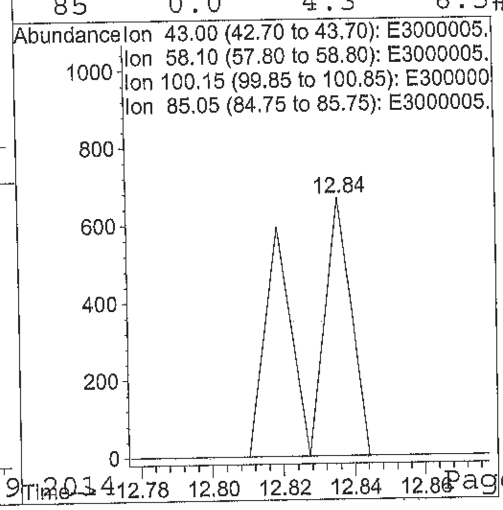


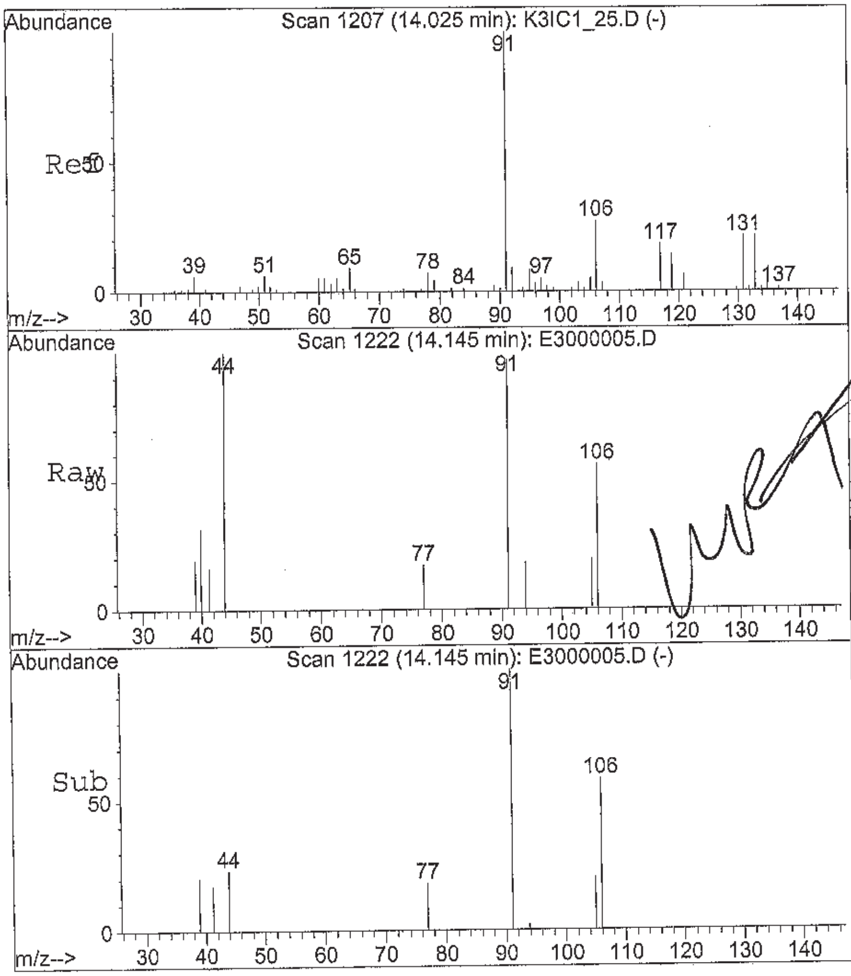


#46
2-Hexanone
Concen: 0.24 ug/L
RT: 12.84 min Scan# 1067
Delta R.T. -0.13 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 43 Resp: 638

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

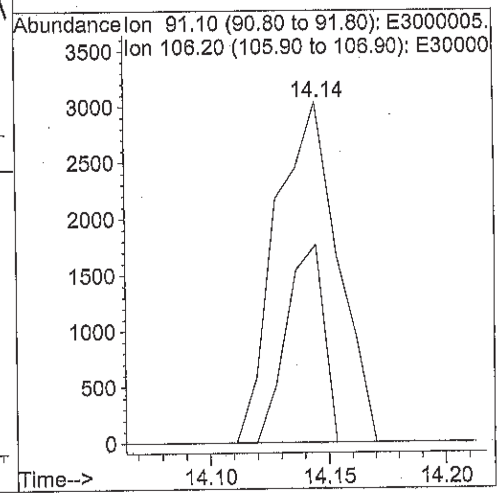


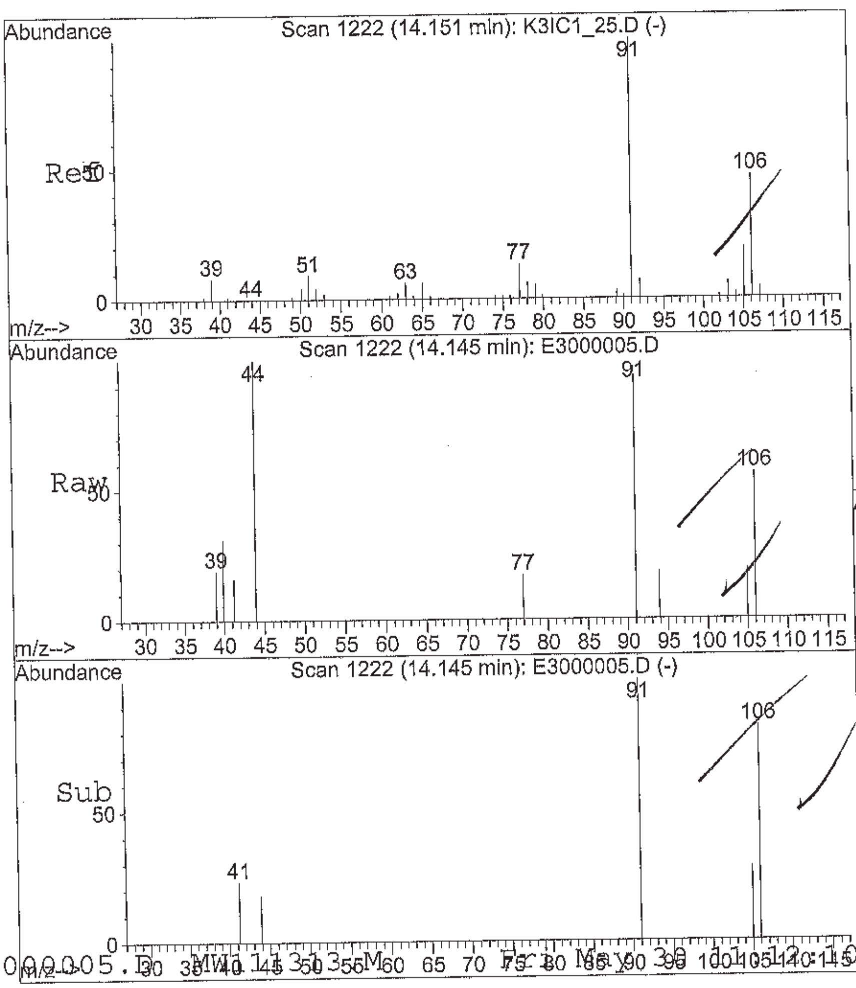


#51
Ethylbenzene
Concen: 0.29 ug/L
RT: 14.14 min Scan# 1222
Delta R.T. 0.12 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 91 Resp: 5494

Ion	Ratio	Lower	Upper
91	100		
106	35.1	23.5	35.3

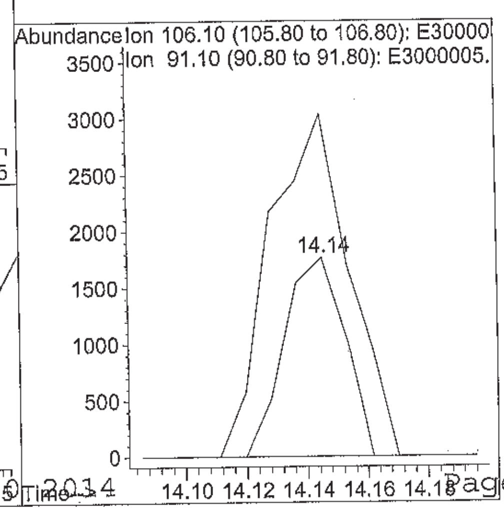


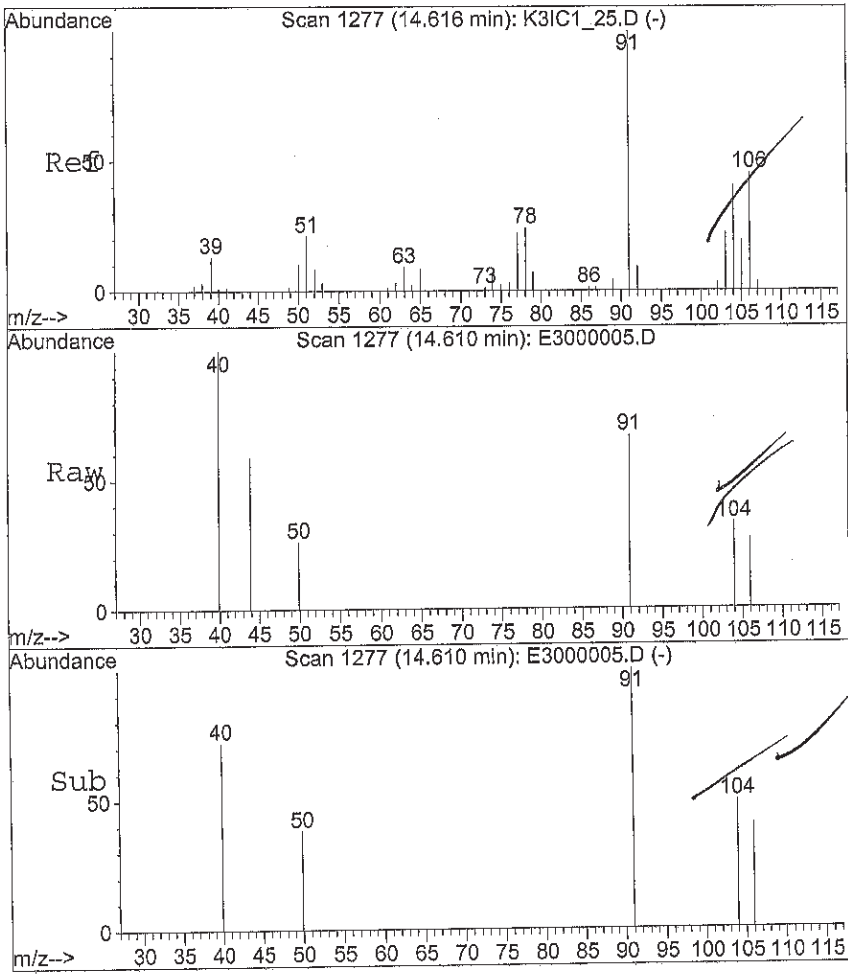


#52
m,p-Xylenes
Concen: 0.36 ug/L
RT: 14.14 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion:106 Resp: 2438

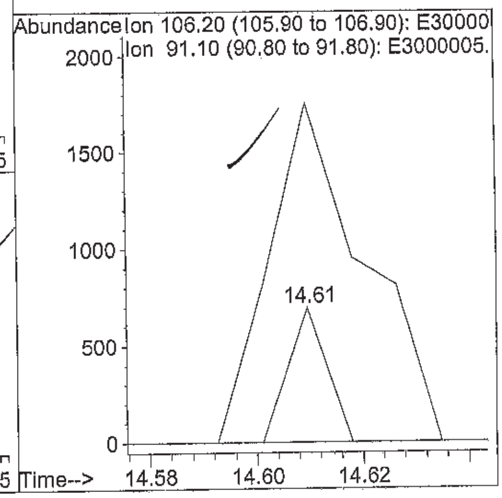
Ion	Ratio	Lower	Upper
106	100		
91	225.3	177.1	265.7

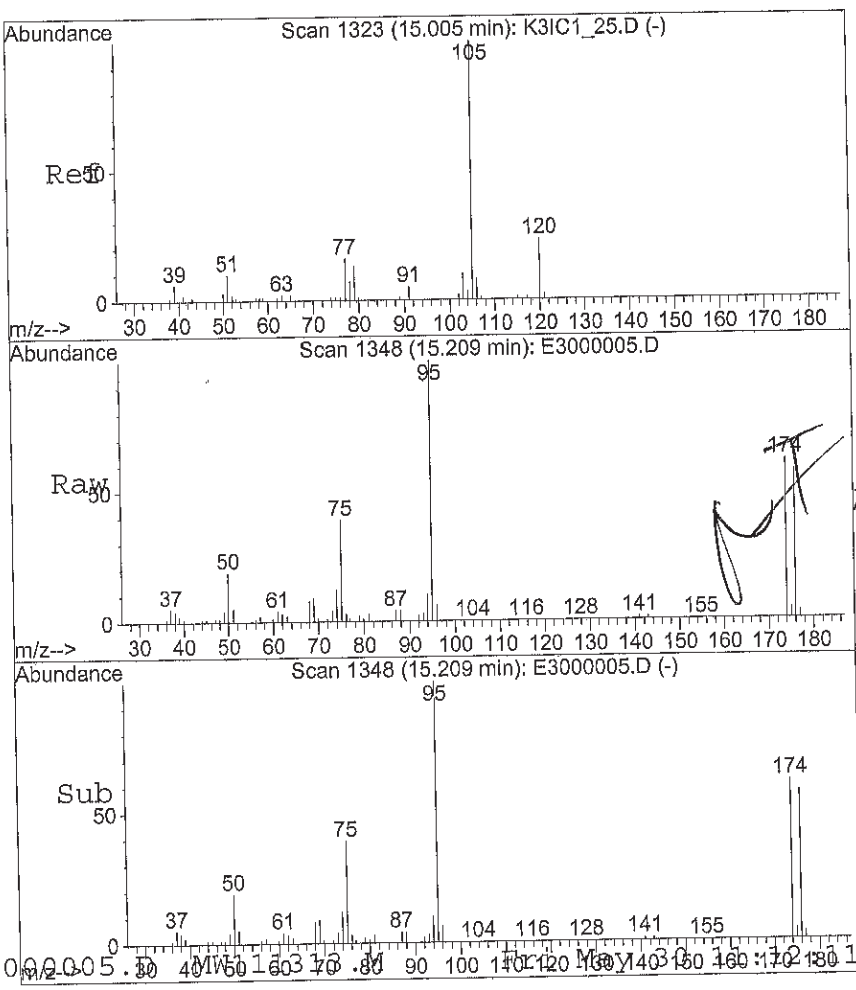




#53
o-Xylene
Concen: 0.05 ug/L
RT: 14.61 min   Scan# 1277
Delta R.T.   -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014   10:24 am

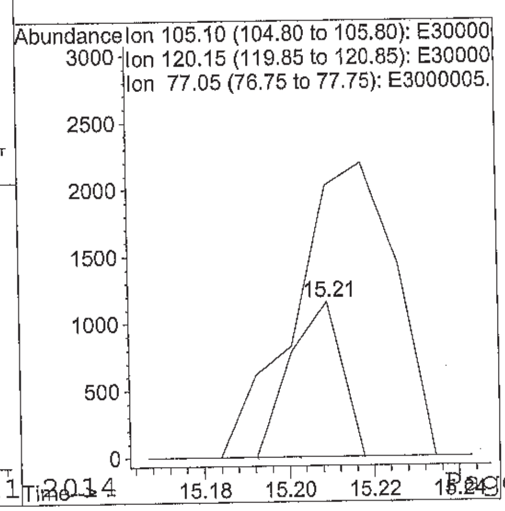
Tgt	Ion:106	Resp:	352
Ion	Ratio	Lower	Upper
106	100		
91	622.2	179.0	268.6#

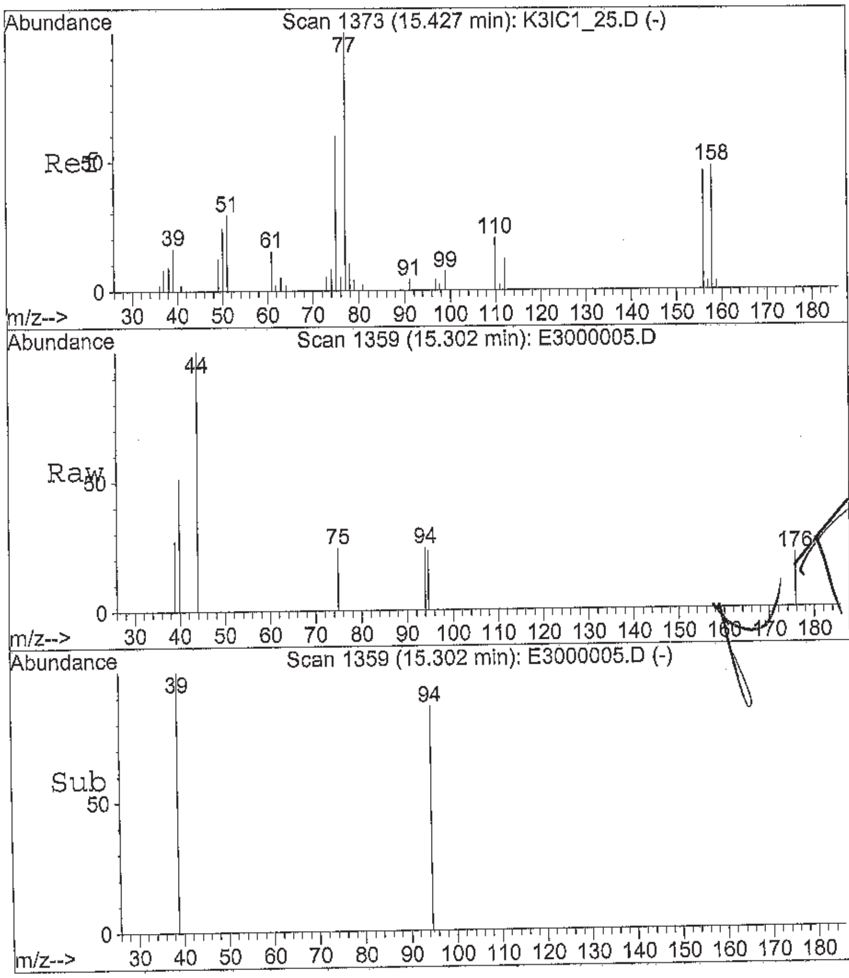




#56
Isopropylbenzene
Concen: 0.05 ug/L
RT: 15.21 min   Scan# 1348
Delta R.T.   0.20 min
Lab File: E3000005.D
Acq: 30 May 2014   10:24 am

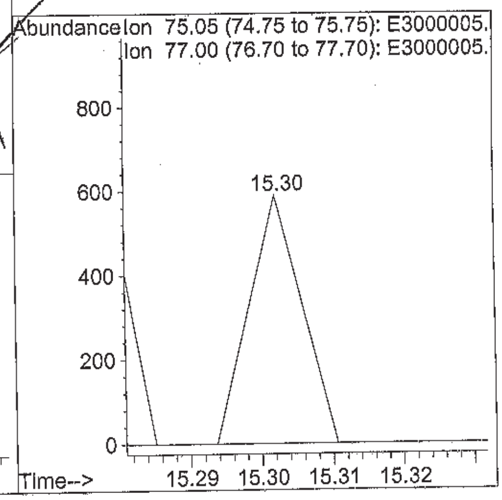
Tgt	Ion:105	Resp:	984
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	366.1	13.1	19.7#

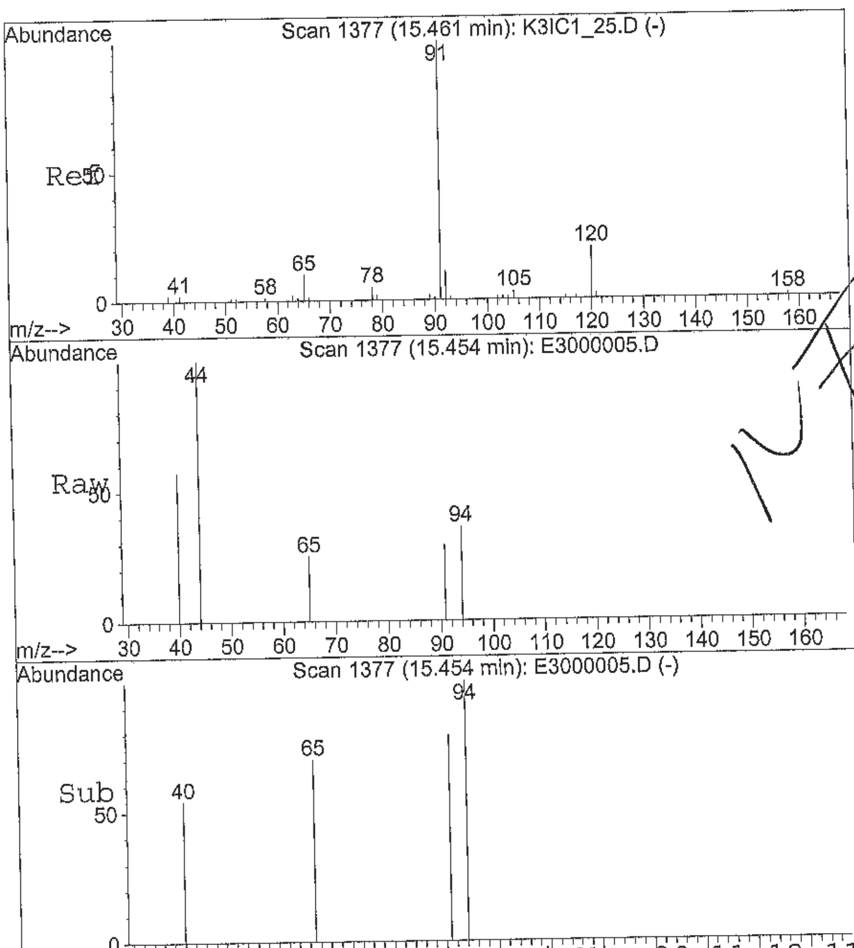




#57
1,2,3-Trichloropropane
Concen: 0.06 ug/L
RT: 15.30 min Scan# 1359
Delta R.T. -0.12 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

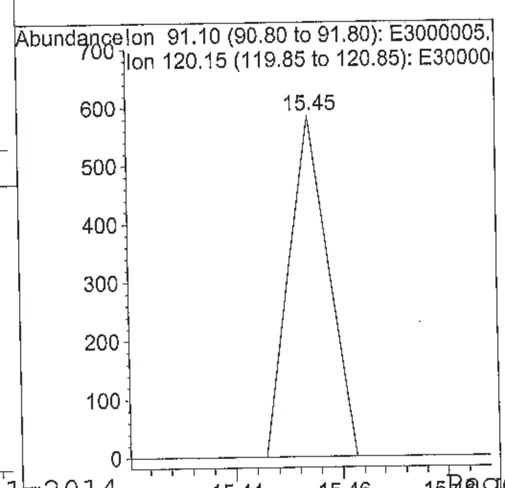
Tgt Ion: 75	Resp:		298
Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

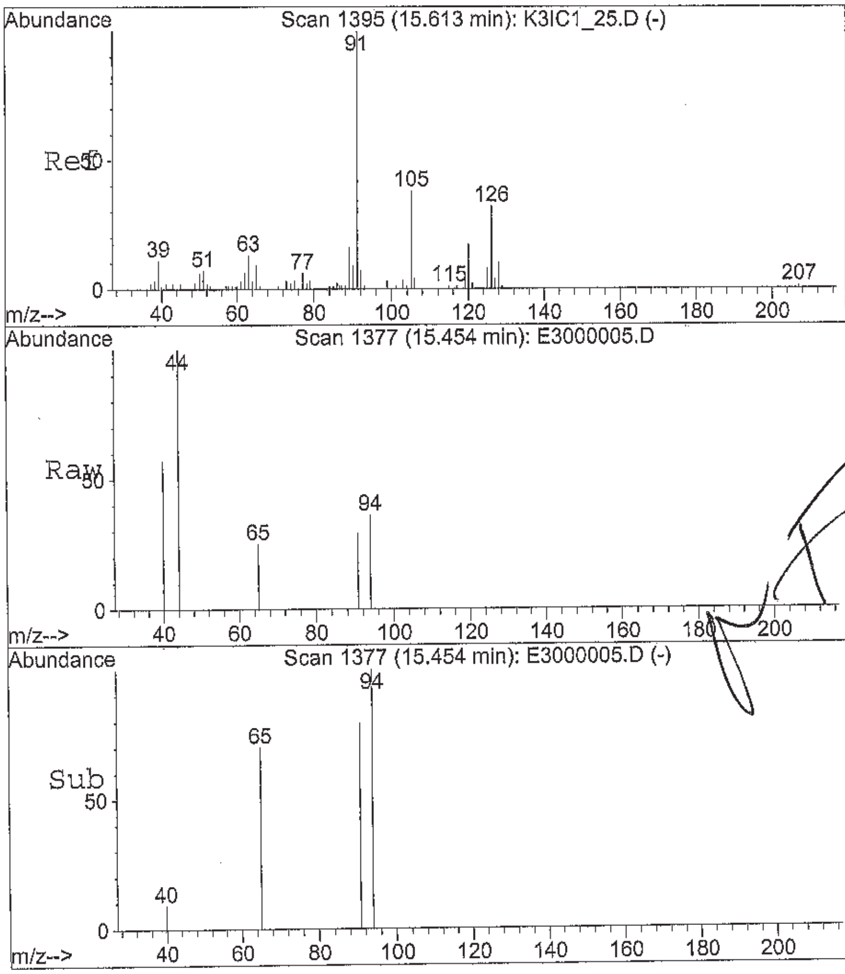




#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 91	Resp:		296
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

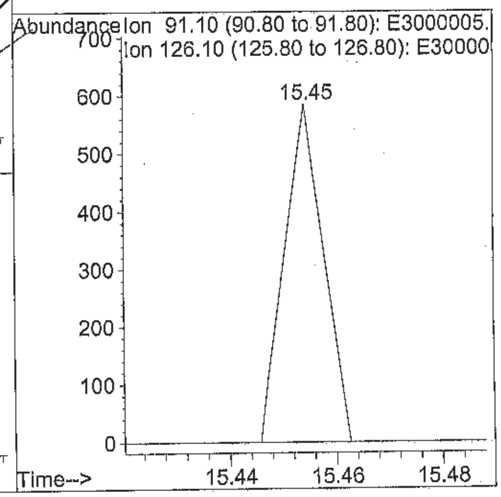


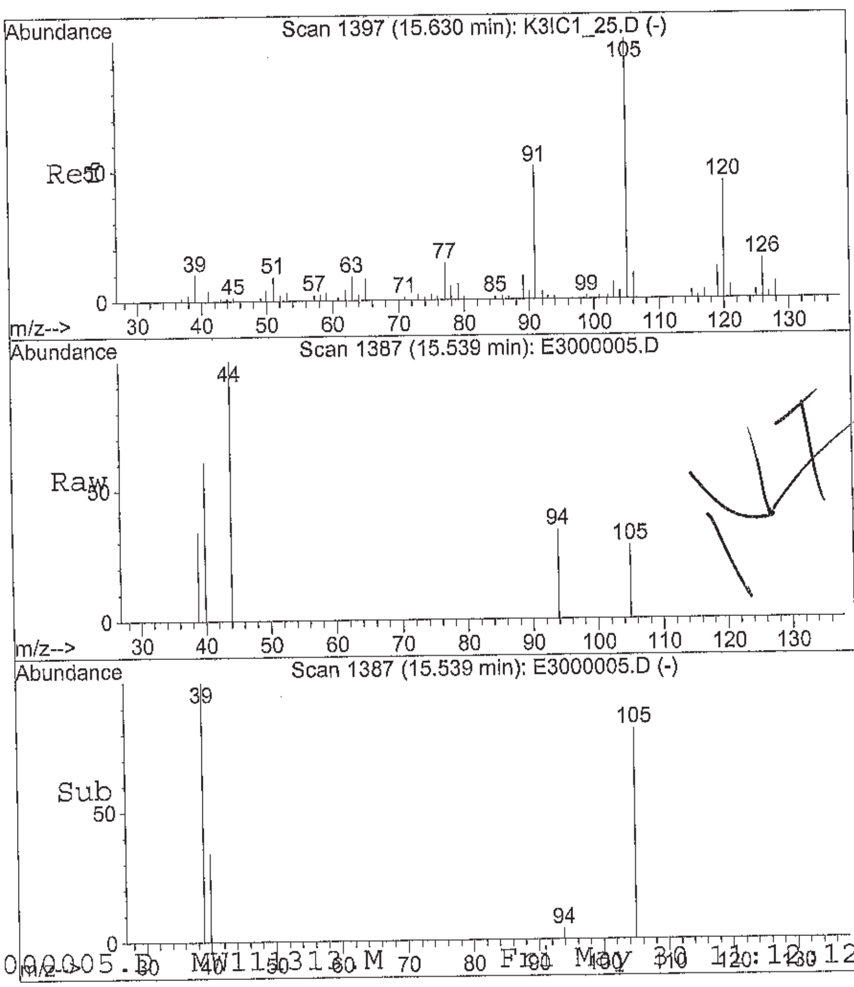


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.16 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion: 91 Resp: 296

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

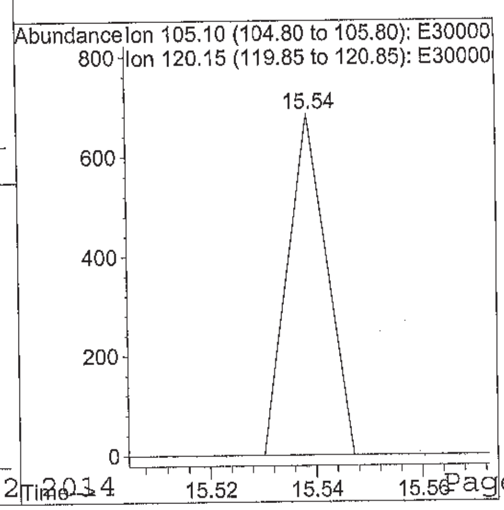


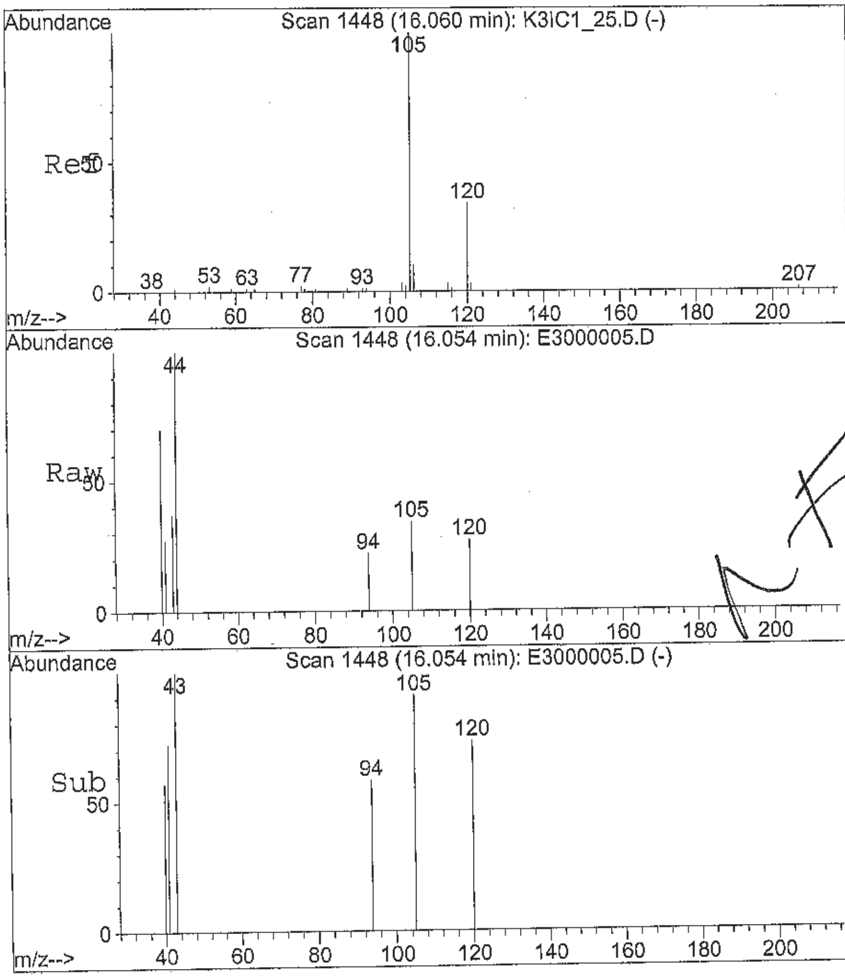


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.54 min Scan# 1387
Delta R.T. -0.09 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion:105 Resp: 347

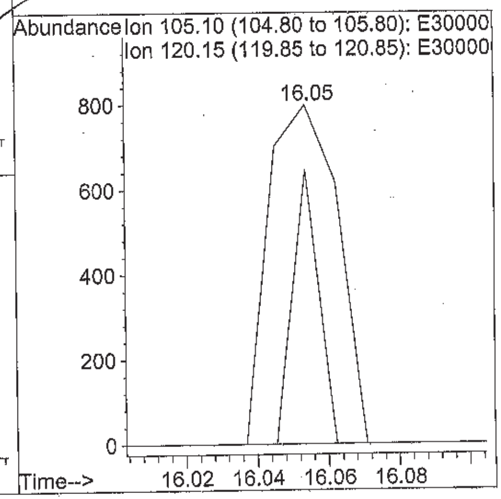
Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

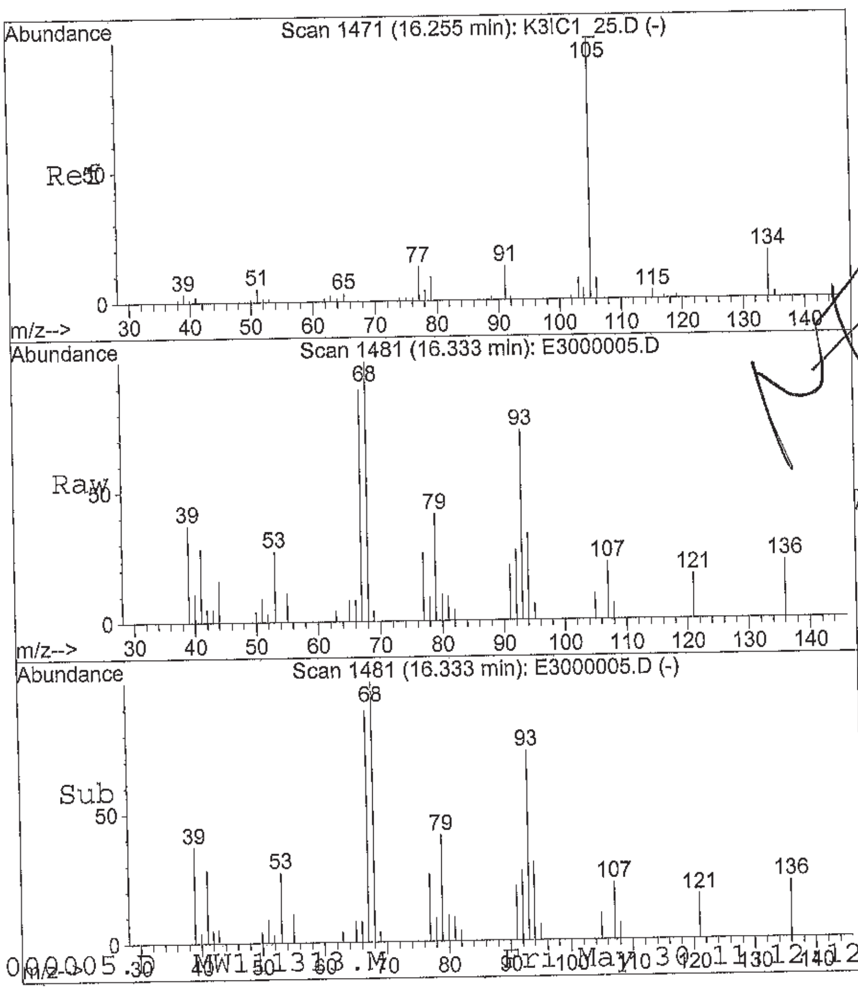




#67
1,2,4-Trimethylbenzene
Concen: 0.06 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

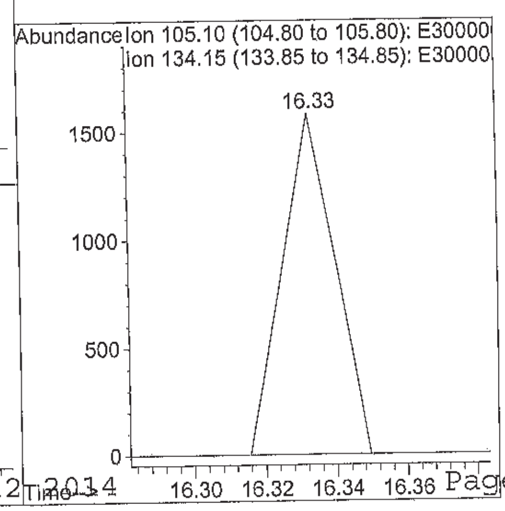
Tgt	Ion:105	Resp:	1073
Ion	Ratio	Lower	Upper
105	100		
120	30.5	33.8	50.8#

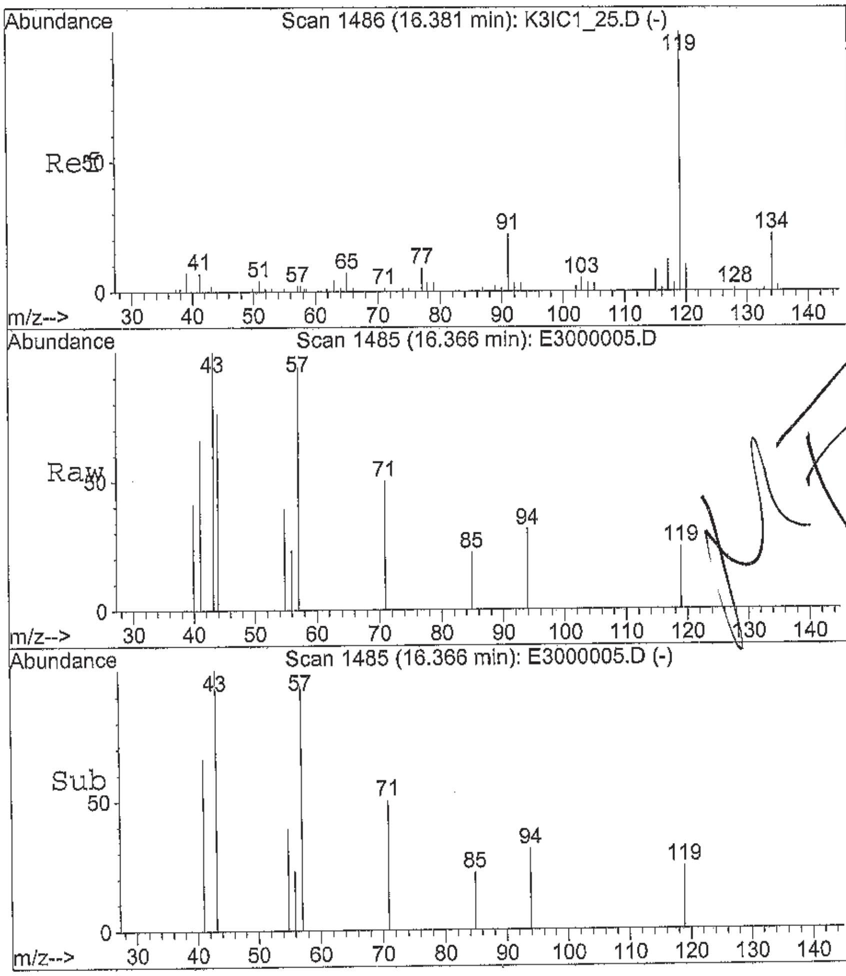




#68
sec-Butylbenzene
Concen: 0.07 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt	Ion:105	Resp:	1612
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

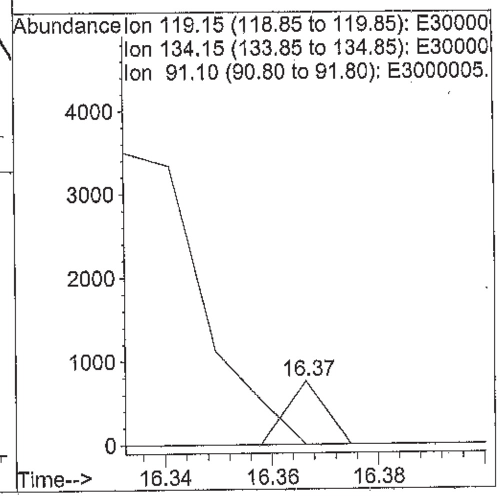




#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: E3000005.D
Acq: 30 May 2014 10:24 am

Tgt Ion:119 Resp: 384

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000005.D          Vial: 4
Acq On    : 30 May 2014  10:24 am                      Operator: DN
Sample    : 3E43001-04                                 Inst    : GC/MS Ins
Misc      : 100cc  SVL-546-SA5D-SV-10.0-11.0           Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:15 19114                 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                     R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) Fluorobenzene (IS)               10.28   96  1495954    12.50 ug/L   -0.03
  7) Chlorobenzene-d5 (IS)            13.92  117  1232506    12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS       16.50  152   698417    12.50 ug/L   -0.01

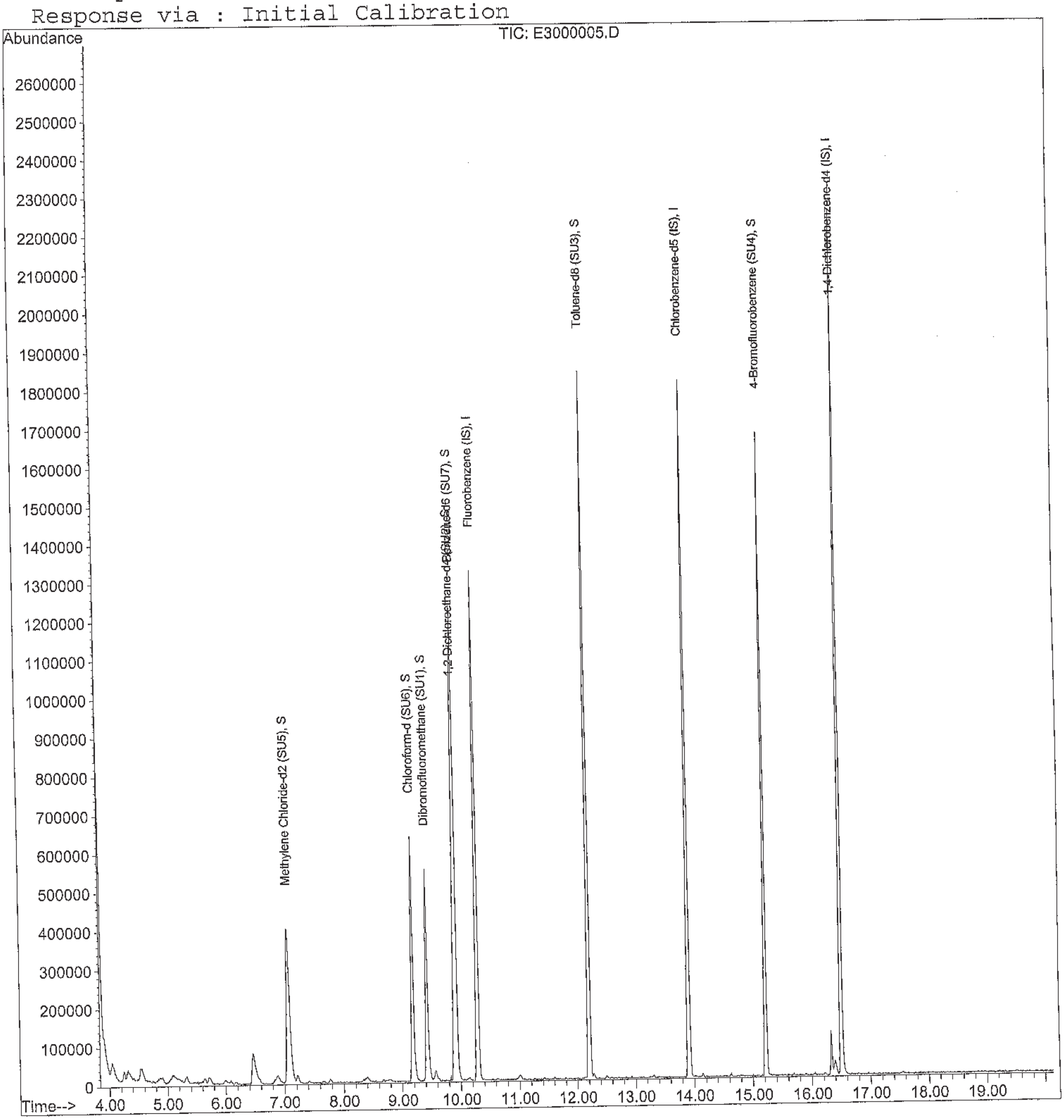
System Monitoring Compounds
  2) Dibromofluoromethane (SU1)        9.42  113   438969    11.28 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   90.24%
  3) Chloroform-d (SU6)                9.18   84   670807    12.02 ug/L   -0.01
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   96.16%
  4) Methylene Chloride-d2 (SU5        7.07   86   371338    11.38 ug/L   -0.01
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   91.04%
  5) 1,2-Dichloroethane-d4 (SU2        9.90   65   425375    16.00 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  128.00%#
  6) Benzene-d6 (SU7)                  9.92   84  1306381    11.13 ug/L   -0.03
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   89.04%
  8) Toluene-d8 (SU3)                 12.20   98  1374561    11.76 ug/L   -0.02
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   94.08%
  9) 4-Bromofluorobenzene (SU4)       15.22   95   706585    14.64 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  117.12%

Target Compounds                                                        Qvalue
```

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000005.D   Vial: 4
Acq On : 30 May 2014 10:24 am   Operator: DN
Sample : 3E43001-04   Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-10.0-11.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:15 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000006.D Vial: 5
Acq On : 30 May 2014 10:57 am Operator: DN
Sample : 3E43001-05 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-16.0-17.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:25 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1452575	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1211623	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	685597	12.50	ug/L	0.00

System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	427901	11.81	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	94.48%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	418781	12.16	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	97.28%		
39) Toluene-d8 (SU3)	12.20	98	1334547	11.81	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	94.48%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	692829	13.98	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.84%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	4.40	50	2957	-0.01	~~ug/L~~ # NSM	41
6) Bromomethane	5.10	96	2303	-0.34	~~ug/L~~ #	1
7) Chloroethane	5.23	64	690	1.26	~~ug/L~~ #	32
11) Acetone	6.46	58	5771	5.32	~~ug/L~~ NT	69
12) (IPA) Leak Check Compound	6.48	45	178720	1023.90	~~ug/L~~ # BSM	82
13) Carbon disulfide	6.84	76	1745	0.14	~~ug/L~~ #	79
14) Methylene Chloride	7.05	84	6556	1.64	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.91	59	840	3.39	~~ug/L~~ NT	77
24) Chloroform	9.22	83	819	0.11	~~ug/L~~ # NSM	18
25) (ETBE) 2-ethoxy 2-methyl p	8.44	59	275	0.03	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.91	75	902	0.16	~~ug/L~~ #	1
31) Benzene	9.96	78	1802	0.13	~~ug/L~~ #	74
32) 1,2-Dichloroethane	9.91	62	5761	1.19	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.14	43	273	0.11	~~ug/L~~ #	100
41) Toluene	12.29	91	3643	0.22	ug/L # 0.0046	[illegible]8
46) 2-Hexanone	13.06	43	265	0.10	~~ug/L~~ #	37
51) Ethylbenzene	14.14	91	3316	0.18	~~ug/L~~ NR	90
52) m,p-Xylenes	14.14	106	1630	0.24	ug/L 0.0048	89
54) Styrene	14.62	104	2376	-0.62	~~ug/L~~ # NSM	46
56) Isopropylbenzene	15.22	105	628	0.03	~~ug/L~~ #	1
62) n-Propylbenzene	15.46	91	268	0.01	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.46	91	268	0.02	~~ug/L~~ #	45

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E3000006.D   Vial: 5
Acq On : 30 May 2014 10:57 am   Operator: DN
Sample : 3E43001-05   Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-16.0-17.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:25 19114   Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

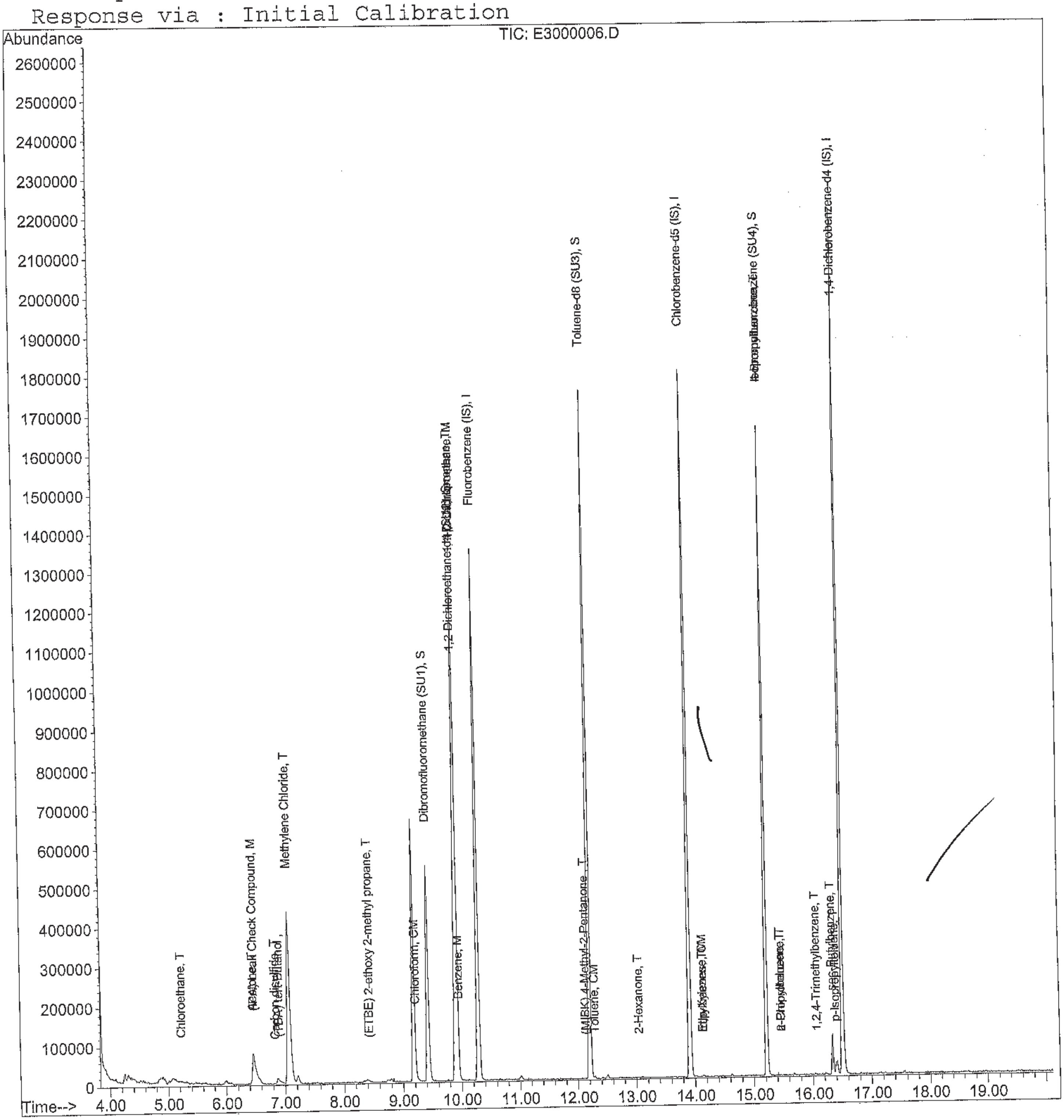
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
67)	1,2,4-Trimethylbenzene	16.06	105	420	0.02	~~ug/L~~ #	33
68)	sec-Butylbenzene	16.33	105	1452	0.06	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	855	0.05	~~ug/L~~ #	52

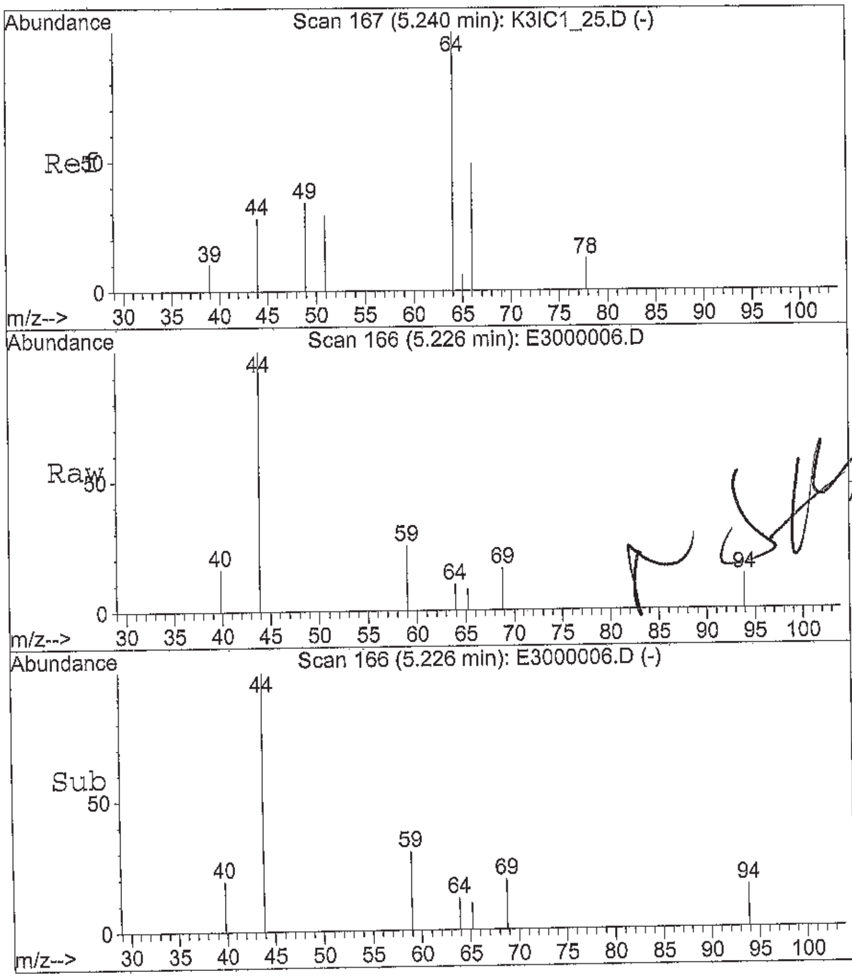
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000006.D          Vial: 5
Acq On    : 30 May 2014   10:57 am                     Operator: DN
Sample    : 3E43001-05                                 Inst    : GC/MS Ins
Misc      : 100cc  SVL-546-SA5D-SV-16.0-17.0           Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:25 19114                Quant Results File: MW111313.RES

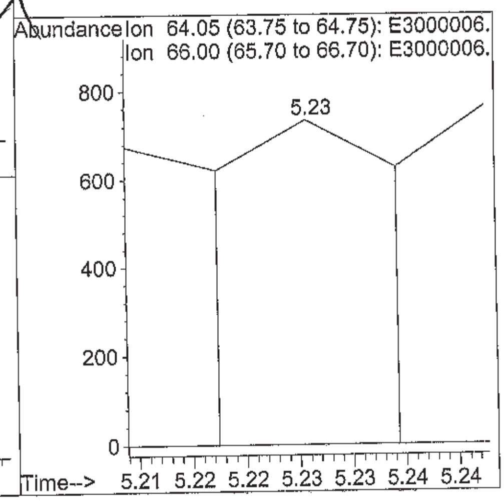
Method           : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title            : 8260B    GC/MS #3    ICAL 11/13/13   DN
Last Update      : Wed Nov 13 19:38:32 2013
Response via     : Initial Calibration
```

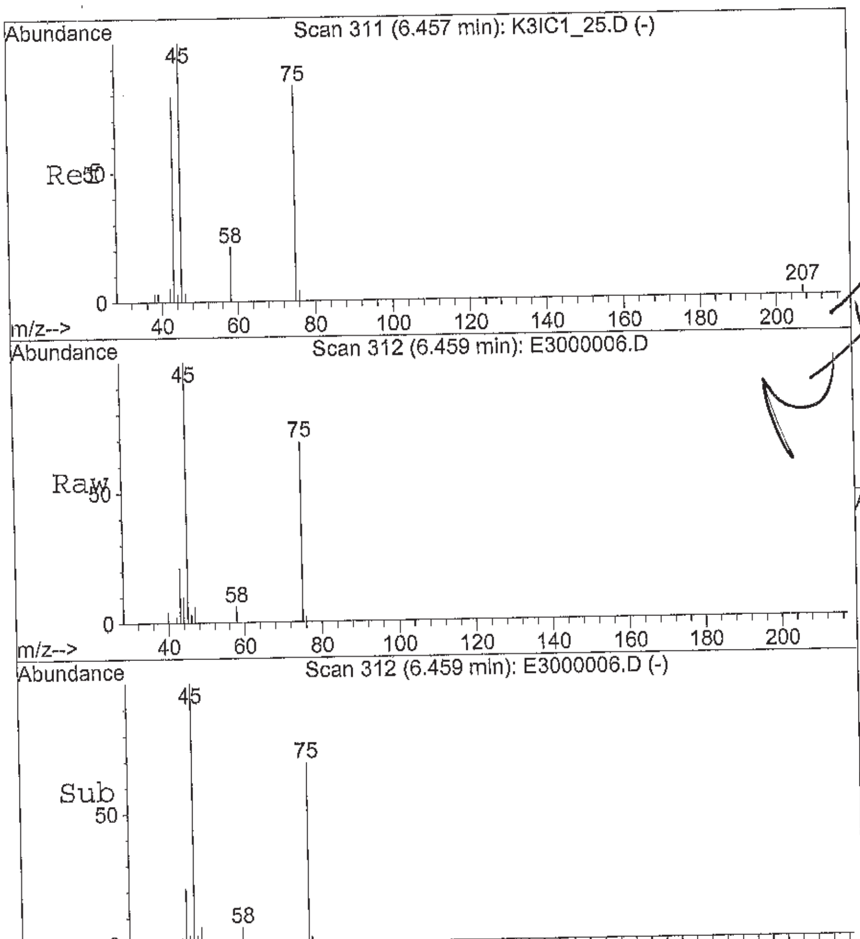




#7
Chloroethane
Concen: 1.26 ug/L
RT: 5.23 min Scan# 166
Delta R.T. -0.01 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

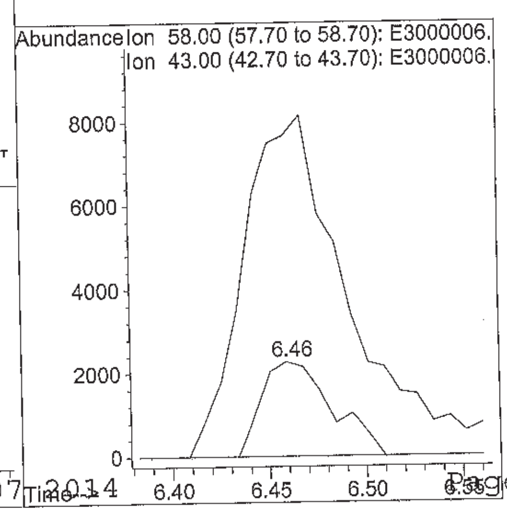
Tgt Ion: 64	Resp:		690
Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

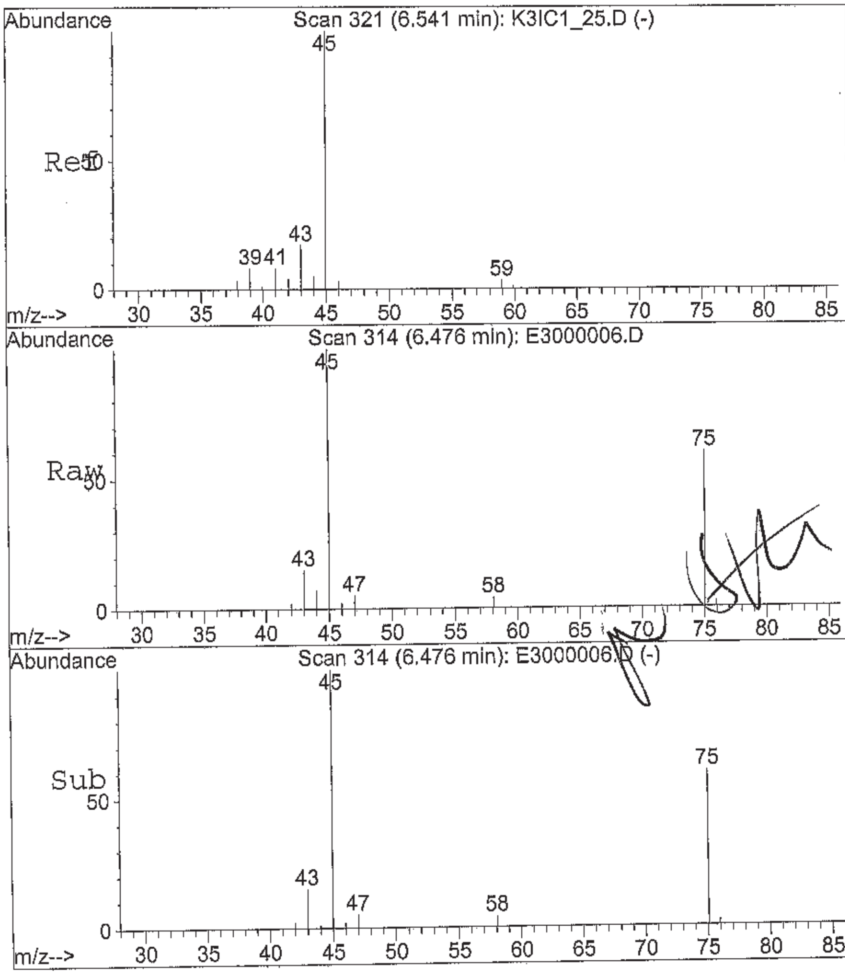




#11
Acetone
Concen: 5.32 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 58	Resp:		5771
Ion	Ratio	Lower	Upper
58	100		
43	531.6	360.9	541.3

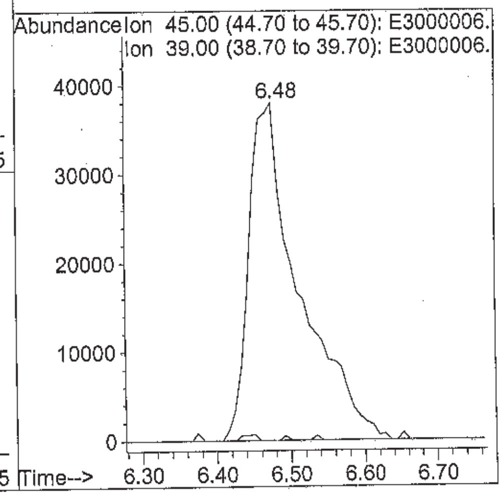


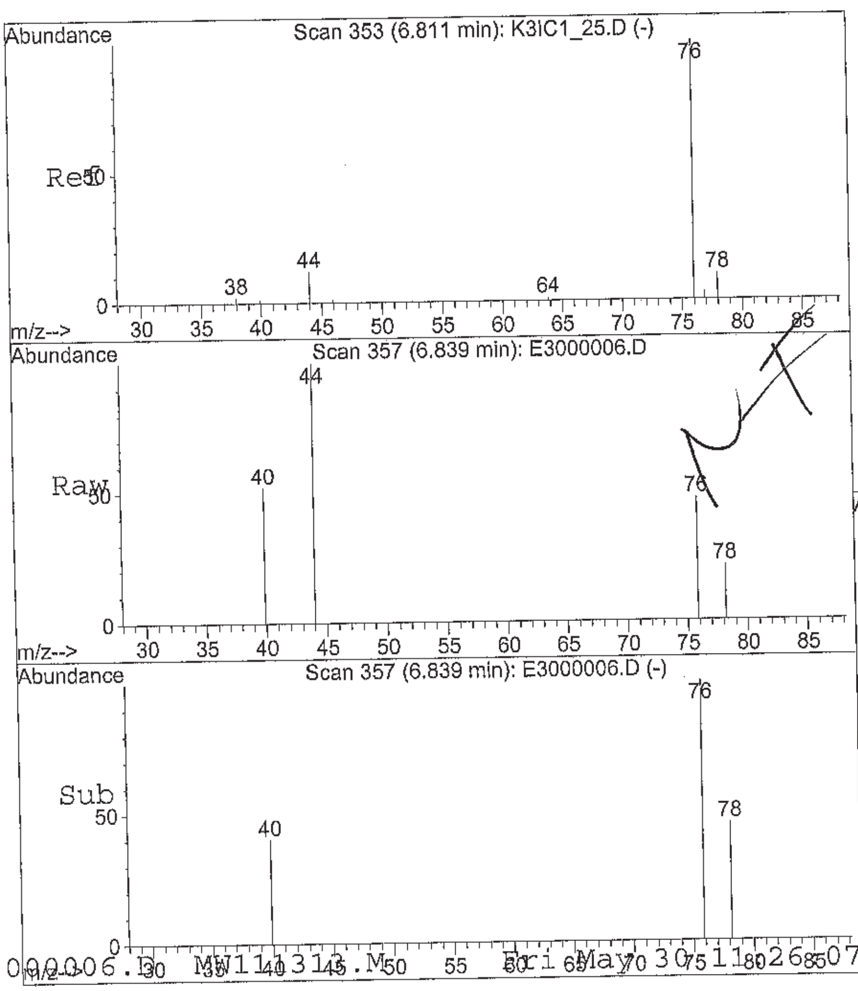


#12
(IPA) Leak Check Compound
Concen: 1023.90 ug/L
RT: 6.48 min Scan# 314
Delta R.T. -0.07 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 45 Resp: 178720

Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#

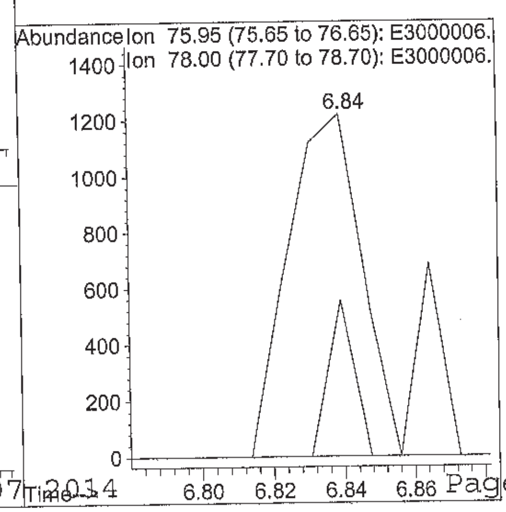


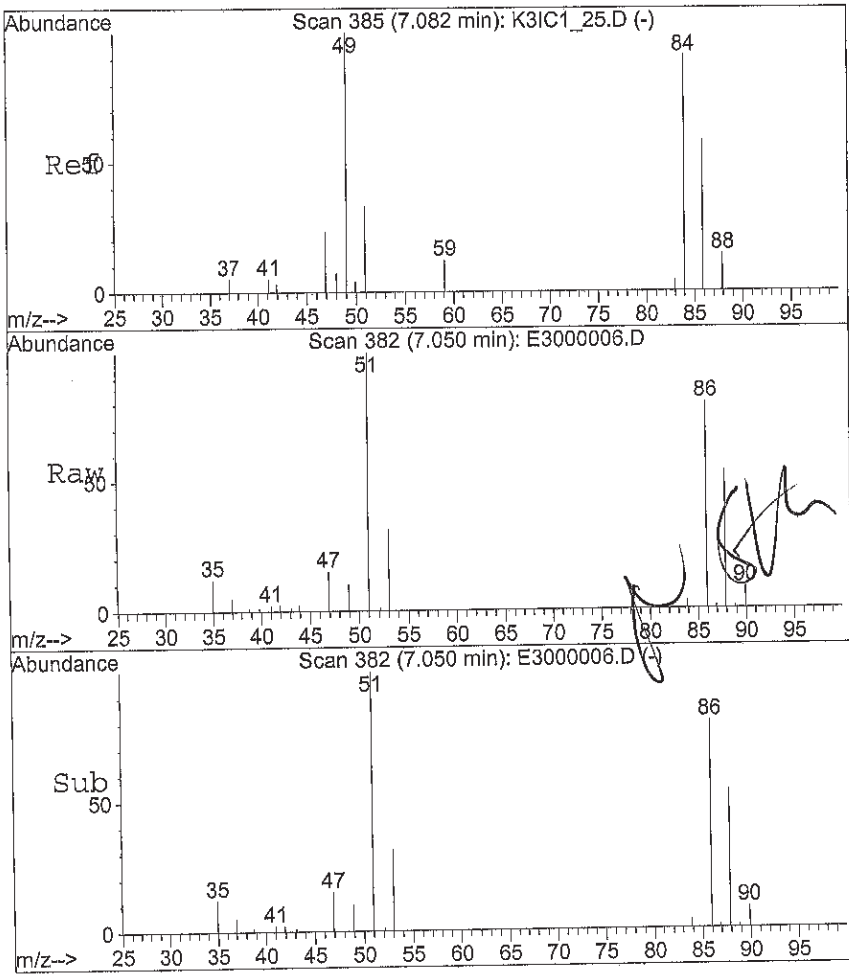


#13
Carbon disulfide
Concen: 0.14 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 76 Resp: 1745

Ion	Ratio	Lower	Upper
76	100		
78	16.1	7.0	10.4#

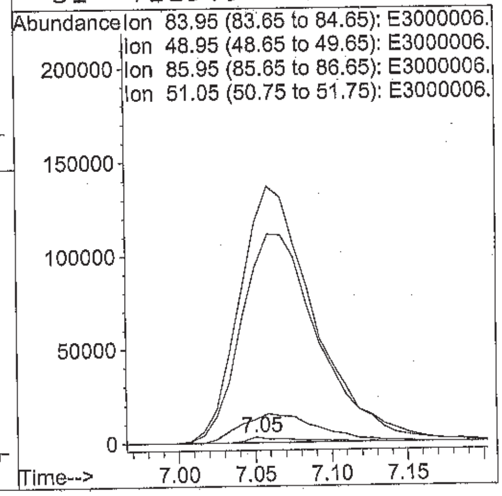


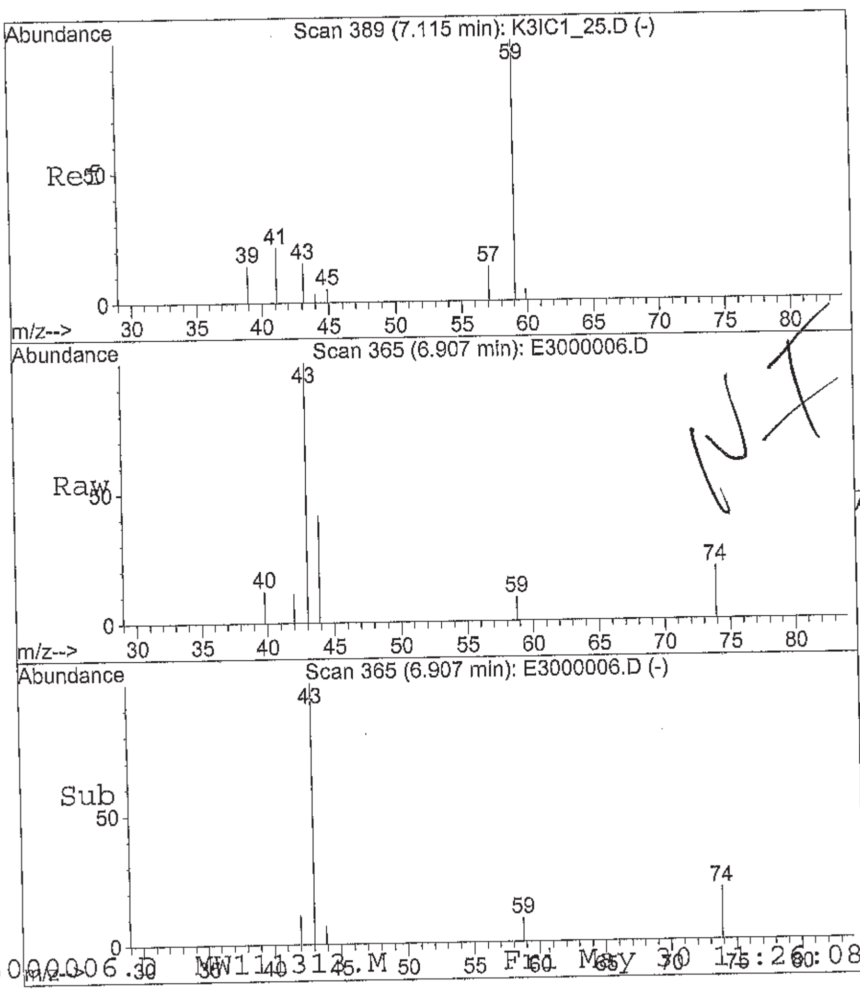


#14
Methylene Chloride
Concen: 1.64 ug/L
RT: 7.05 min Scan# 382
Delta R.T. -0.03 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 84 Resp: 6556

Ion	Ratio	Lower	Upper
84	100		
49	825.3	89.8	134.6#
86	6035.2	51.1	76.7#
51	7119.9	28.5	42.7#

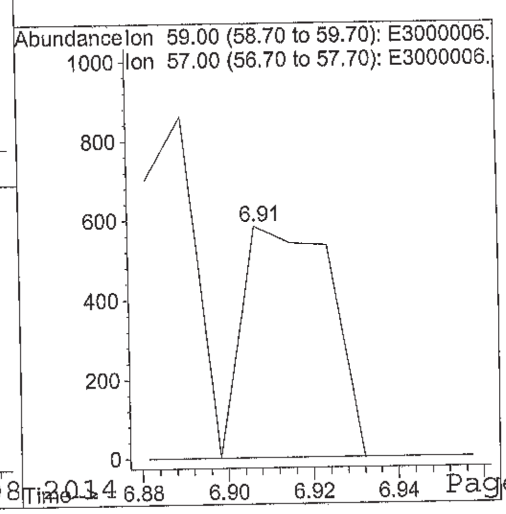


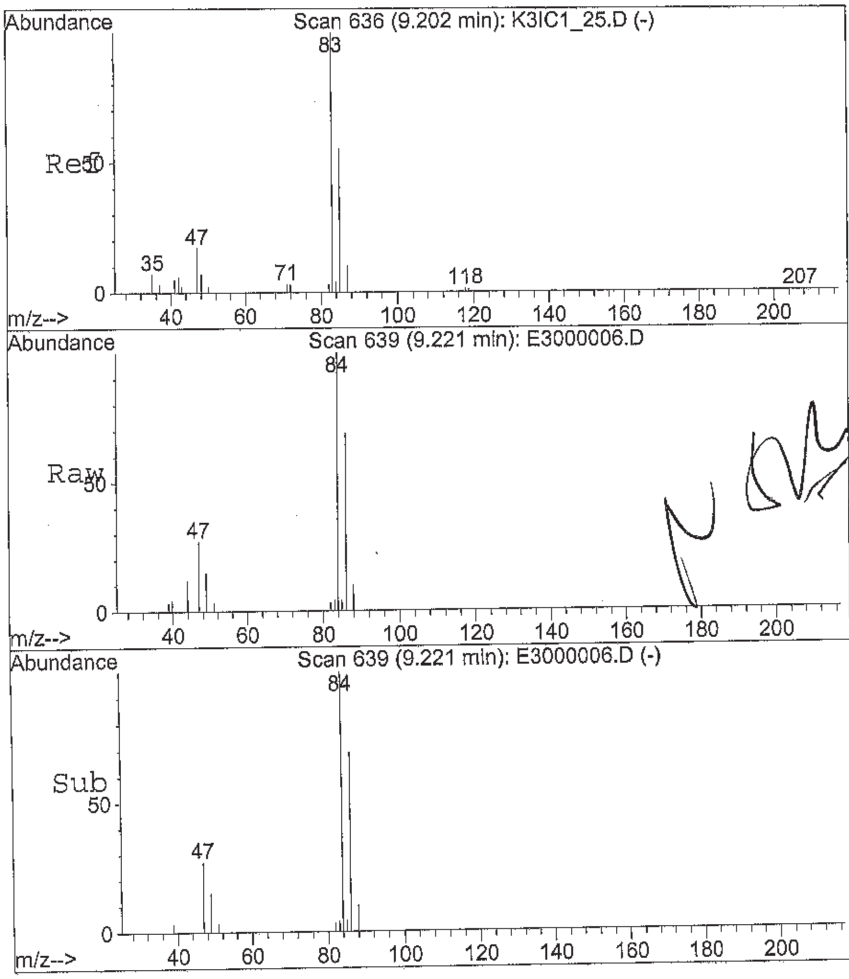


#15
(TBA) tert-Butanol
Concen: 3.39 ug/L
RT: 6.91 min Scan# 365
Delta R.T. -0.21 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 59 Resp: 840

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

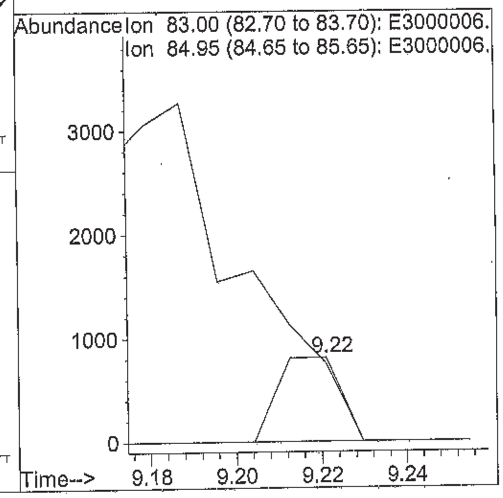


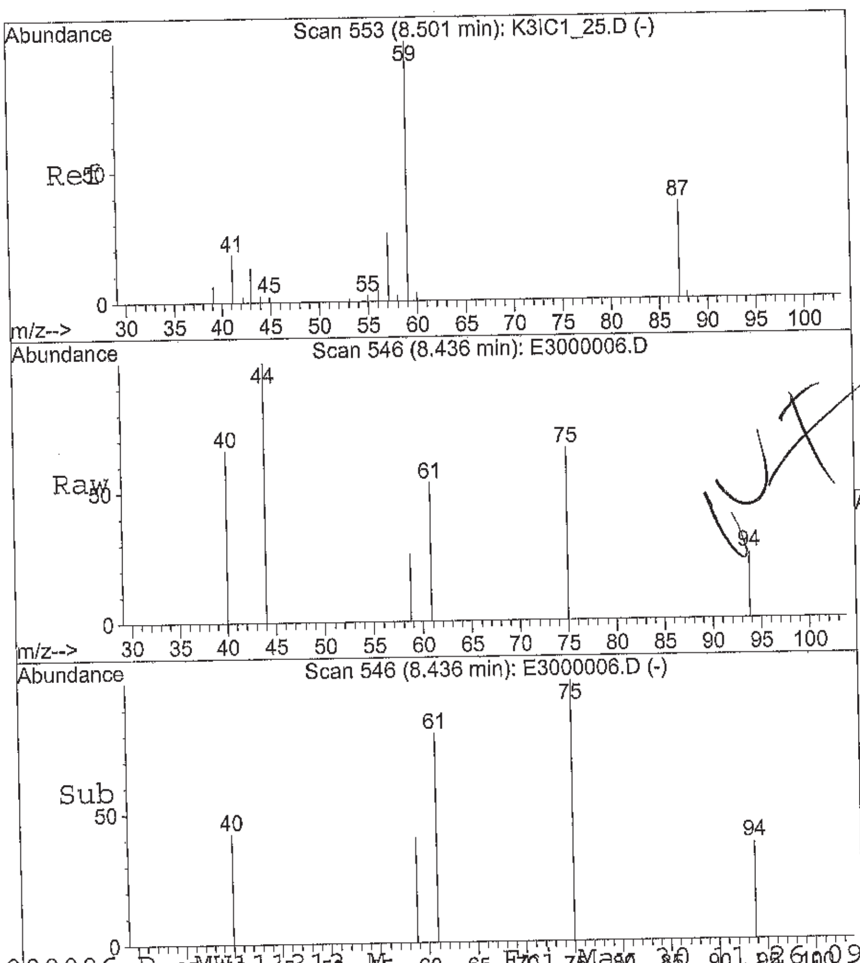


#24
Chloroform
Concen: 0.11 ug/L
RT: 9.22 min Scan# 639
Delta R.T. 0.02 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 83 Resp: 819

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

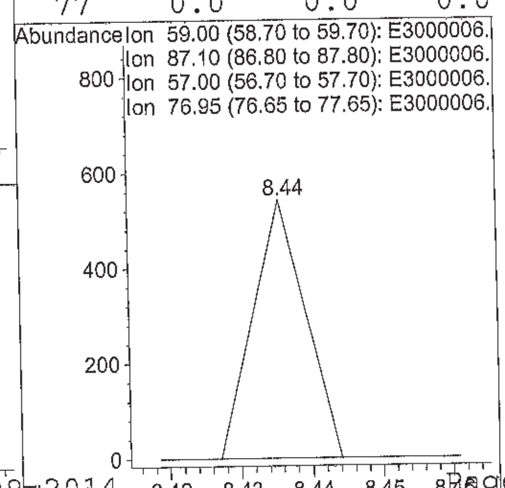


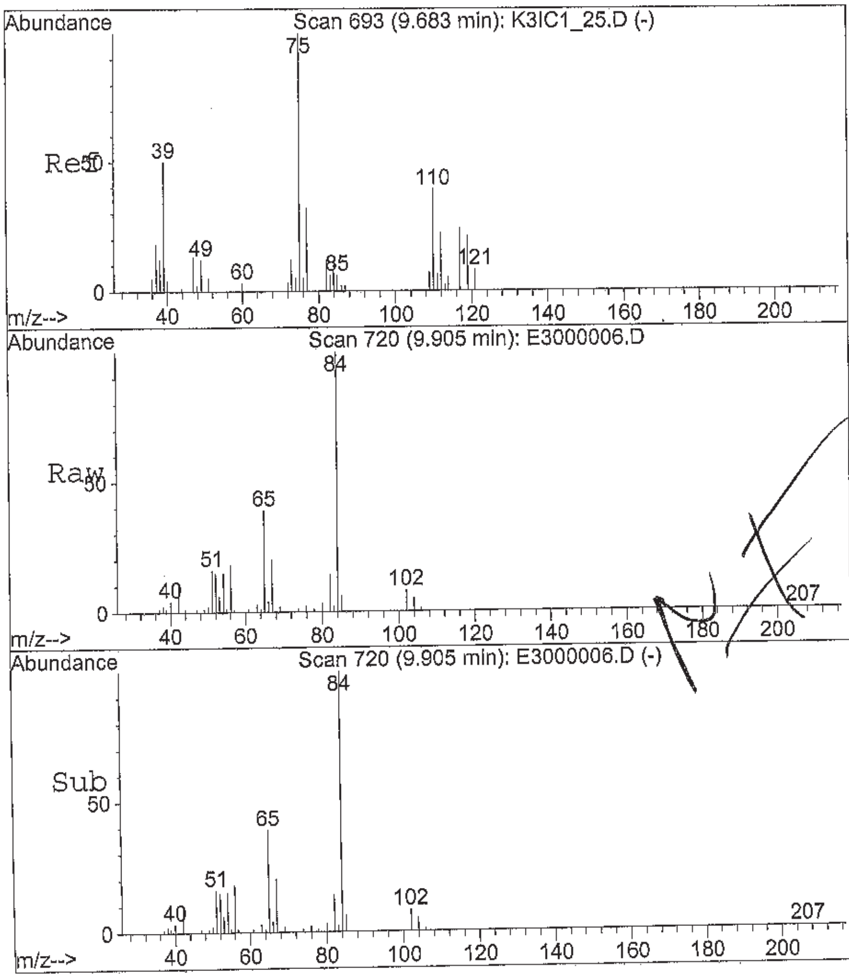


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.03 ug/L
RT: 8.44 min Scan# 546
Delta R.T. -0.07 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 59 Resp: 275

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

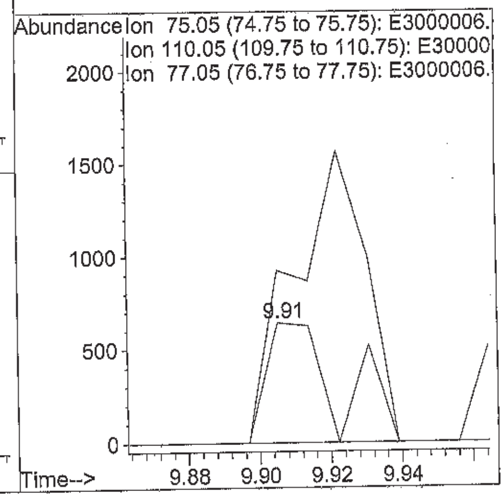


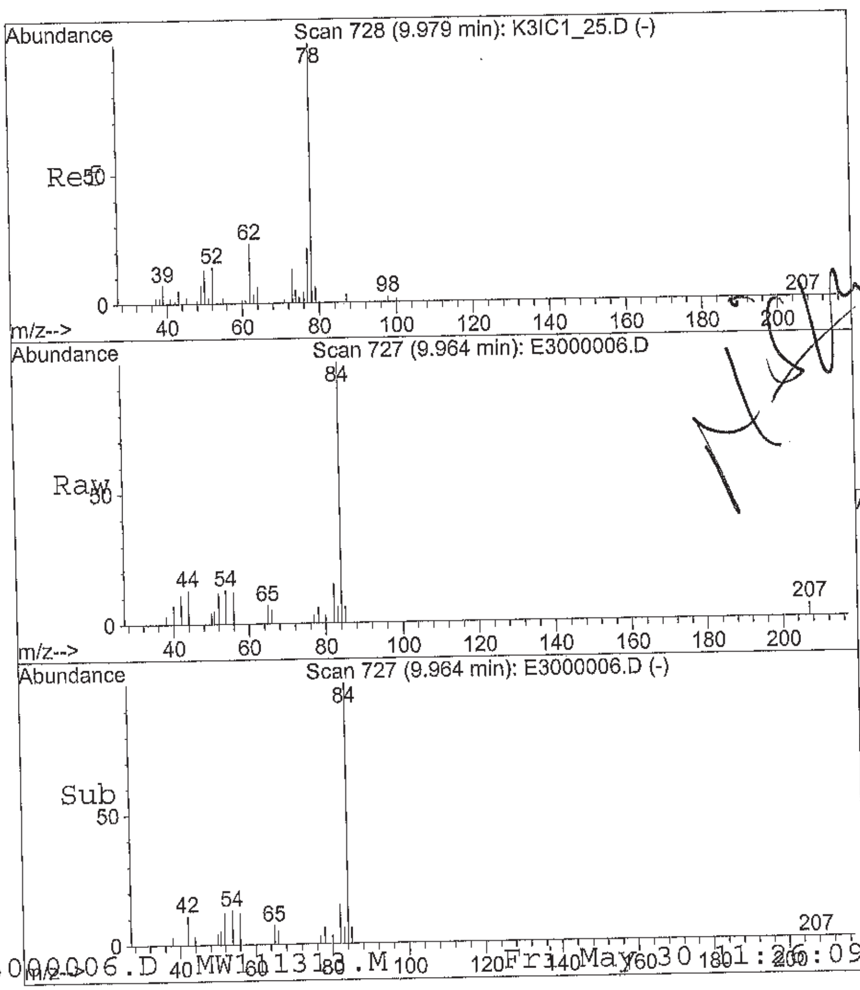


#29
1,1-Dichloropropene
Concen: 0.16 ug/L
RT: 9.91 min Scan# 720
Delta R.T. 0.22 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 75 Resp: 902

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	244.0	25.0	37.4#

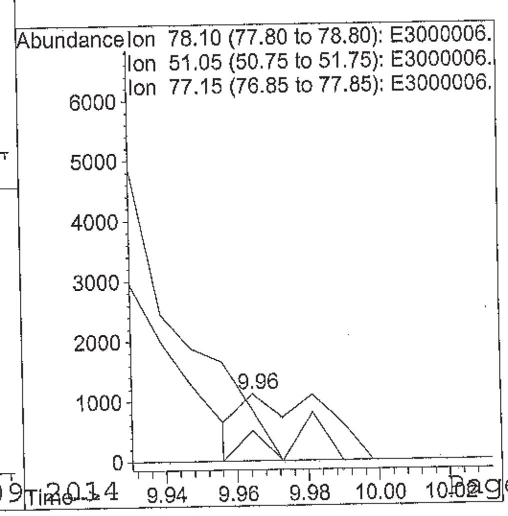


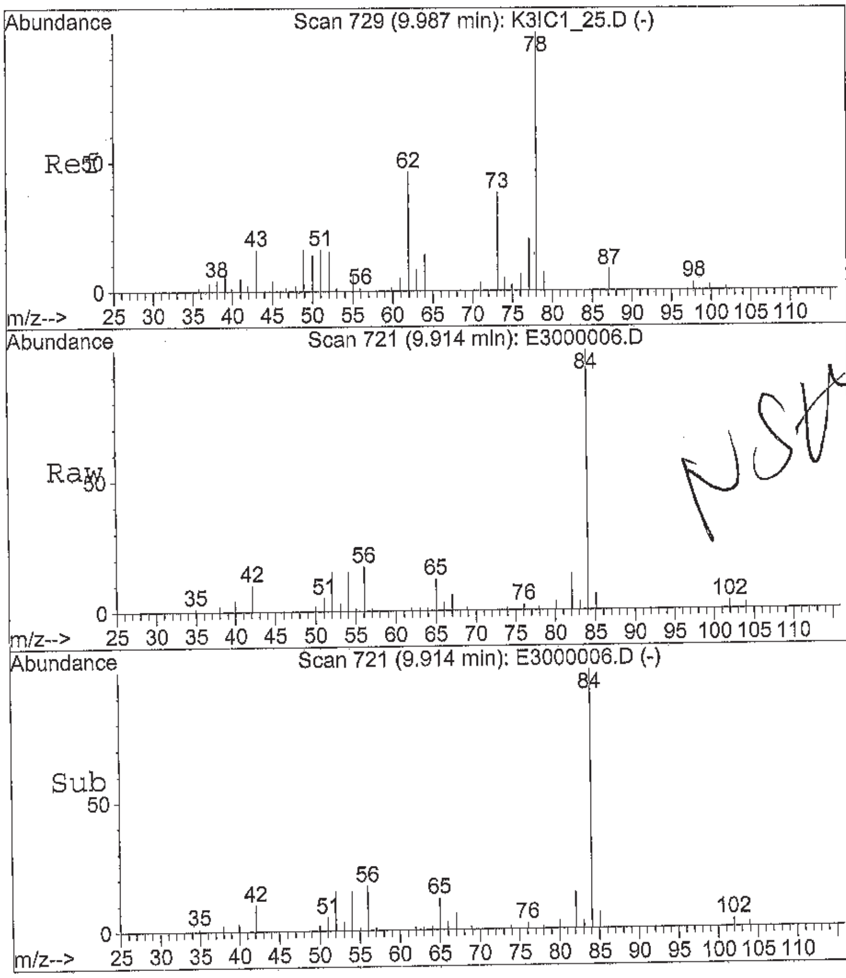


#31
Benzene
Concen: 0.13 ug/L
RT: 9.96 min Scan# 727
Delta R.T. -0.01 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 78 Resp: 1802

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	14.2	16.6	24.8#

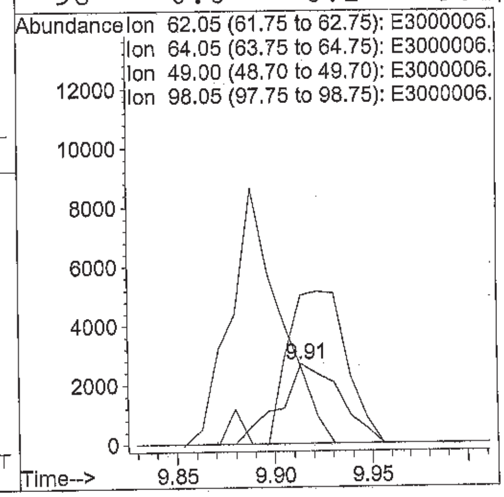


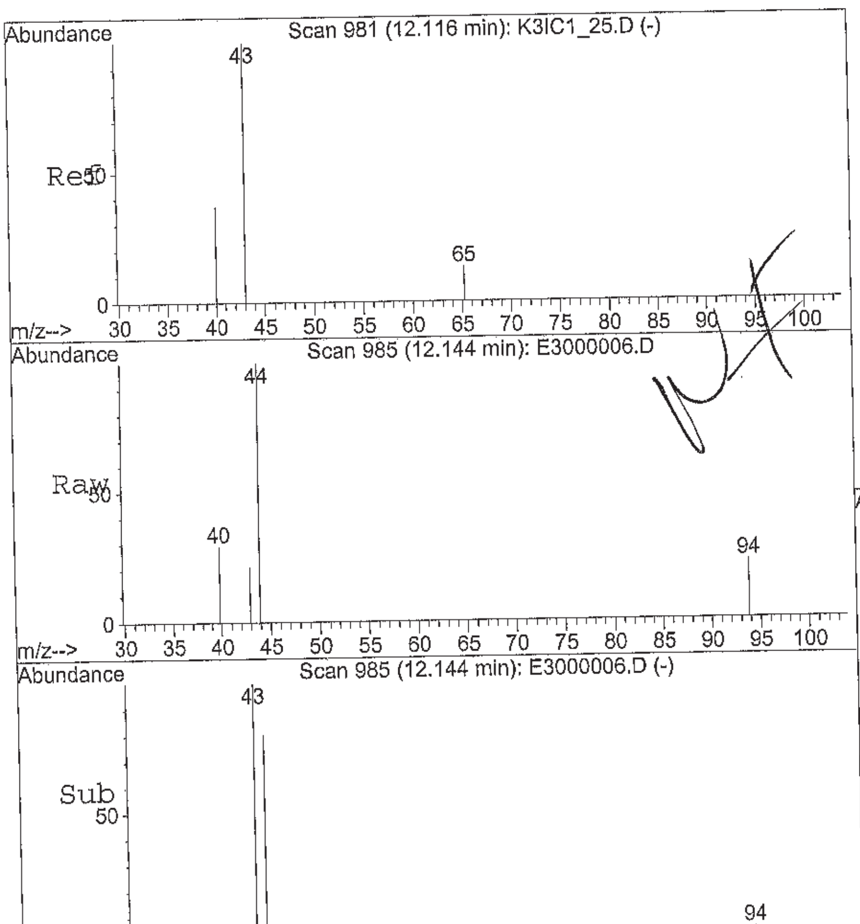


#32
1,2-Dichloroethane
Concen: 1.19 ug/L
RT: 9.91 min Scan# 721
Delta R.T. -0.07 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 62 Resp: 5761

Ion	Ratio	Lower	Upper
62	100		
64	196.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

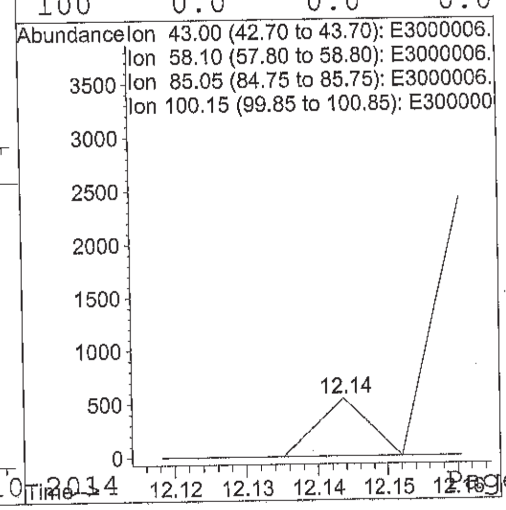


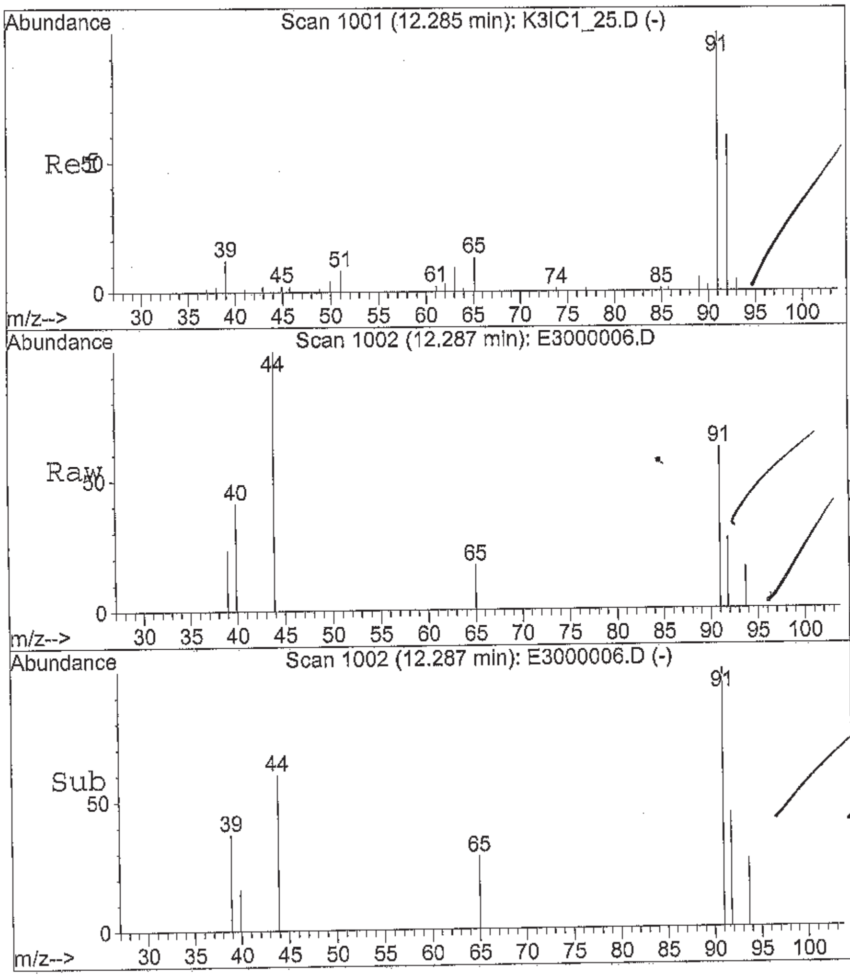


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.11 ug/L
RT: 12.14 min Scan# 985
Delta R.T. 0.03 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 43 Resp: 273

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

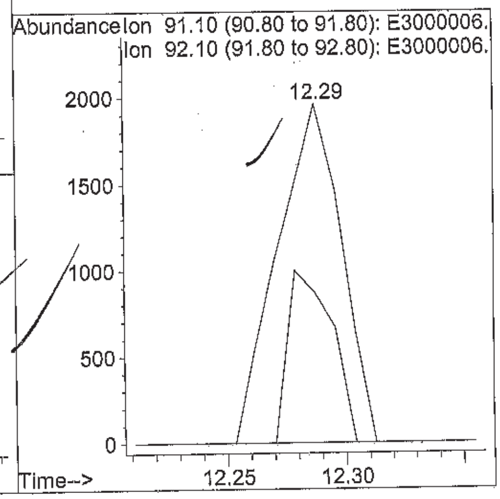


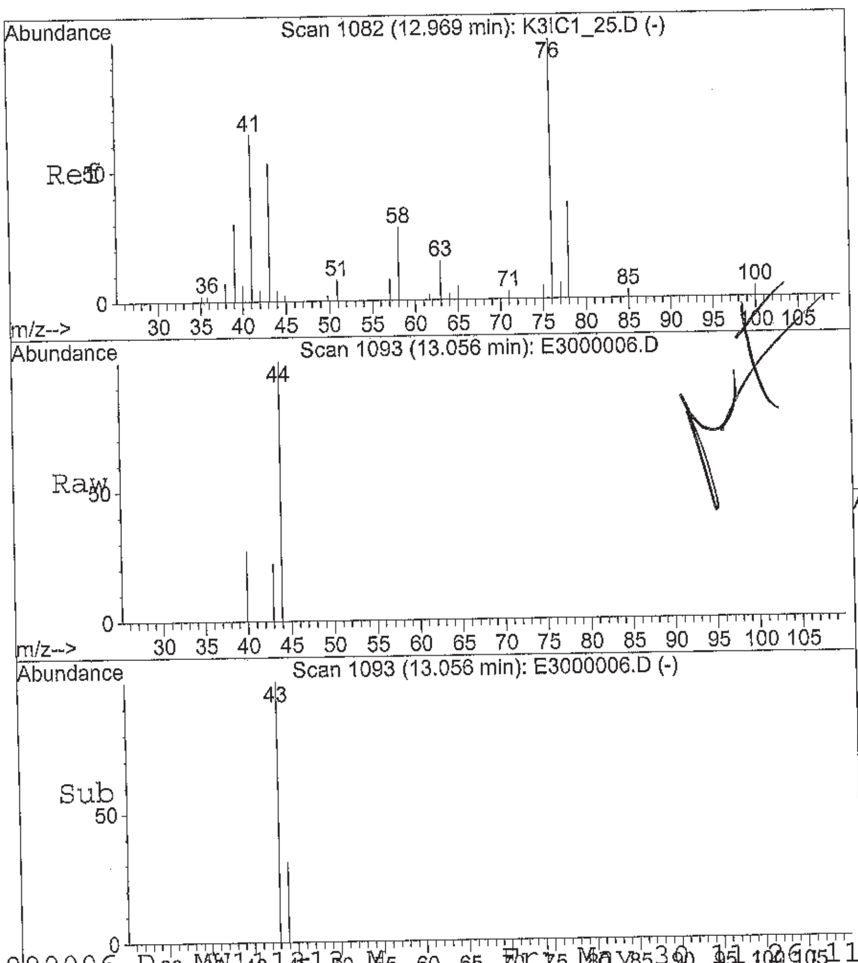


#41
Toluene
Concen: 0.22 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 91 Resp: 3643

Ion	Ratio	Lower	Upper
91	100		
92	35.2	47.4	71.0#

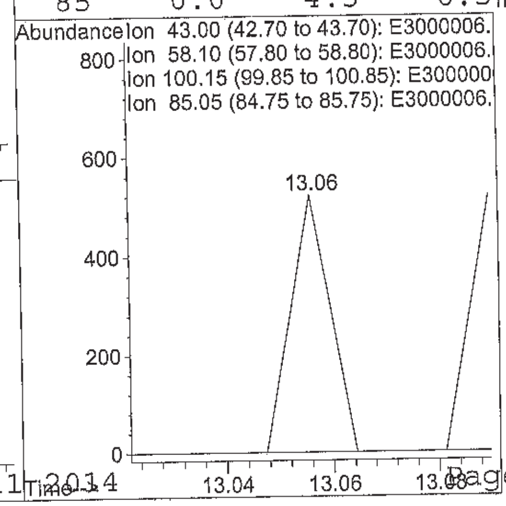


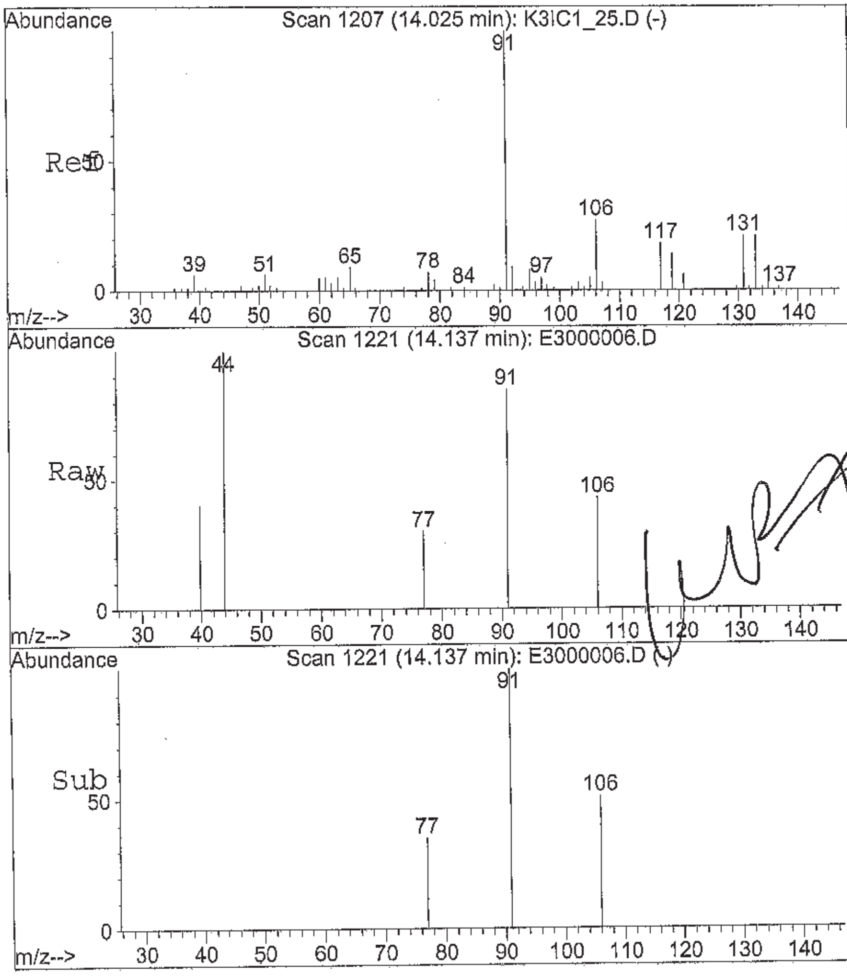


#46
2-Hexanone
Concen: 0.10 ug/L
RT: 13.06 min Scan# 1093
Delta R.T. 0.09 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 43 Resp: 265

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

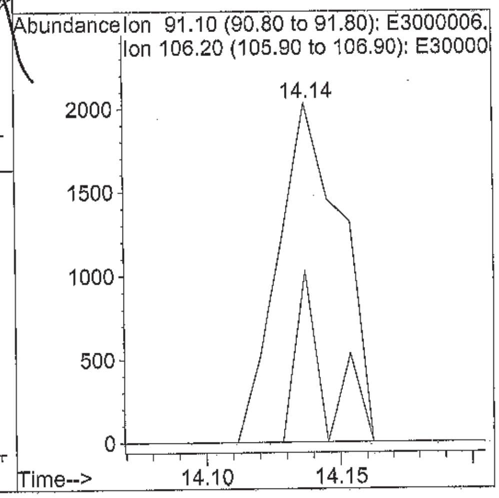


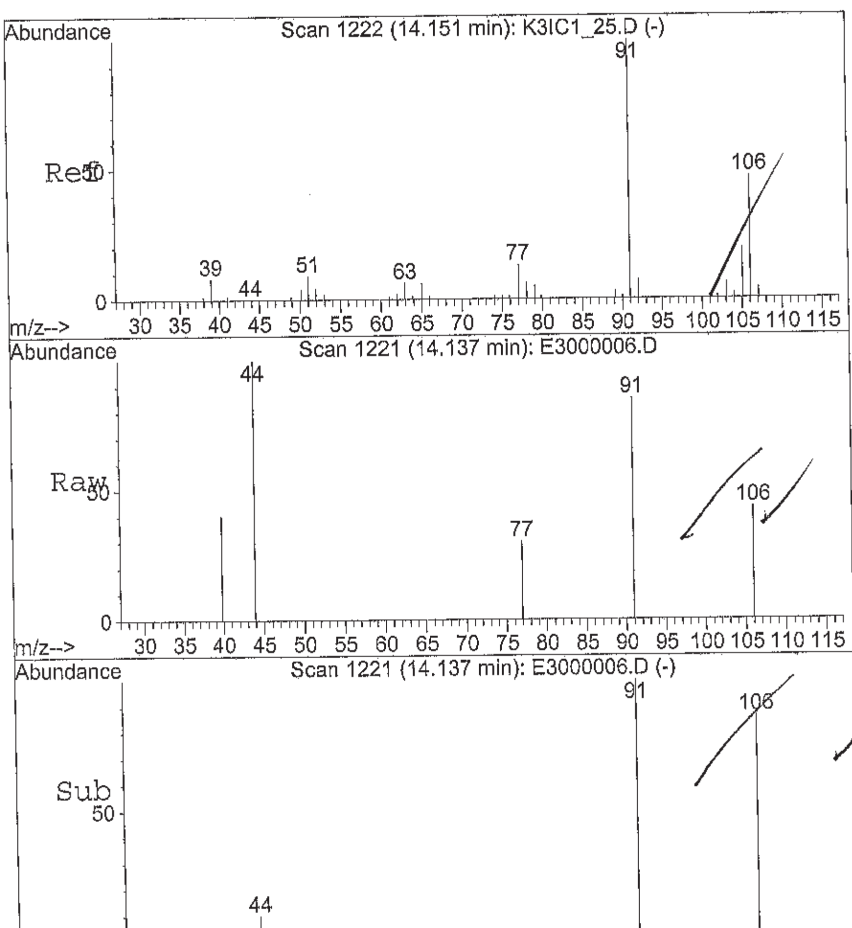


#51
Ethylbenzene
Concen: 0.18 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. 0.11 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 91 Resp: 3316

Ion	Ratio	Lower	Upper
91	100		
106	23.9	23.5	35.3

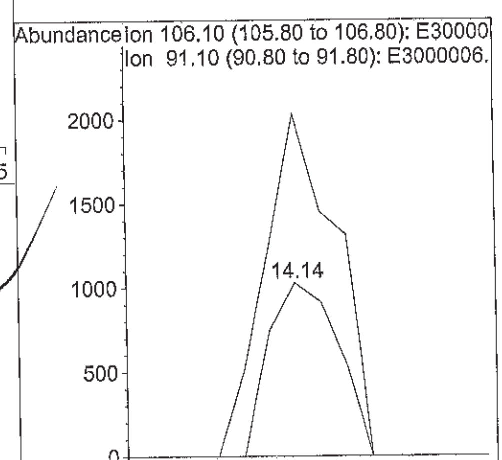


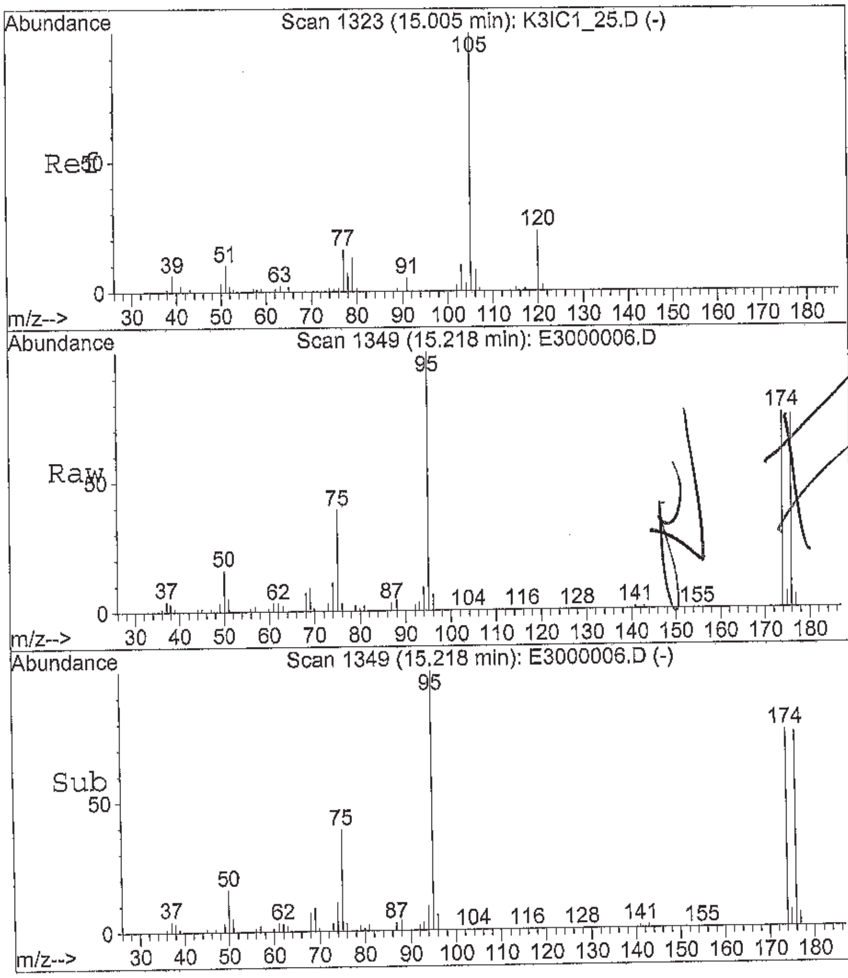


#52
m,p-Xylenes
Concen: 0.24 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion:106 Resp: 1630

Ion	Ratio	Lower	Upper
106	100		
91	203.4	177.1	265.7

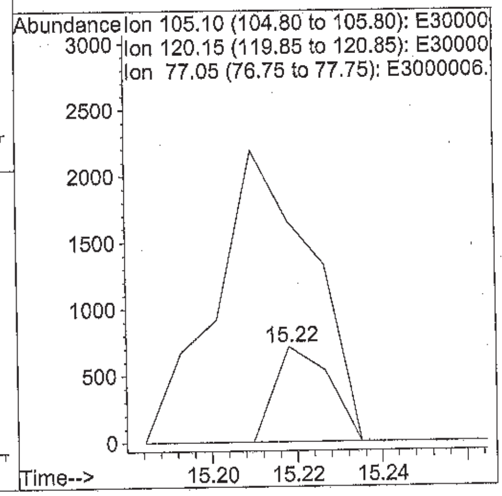


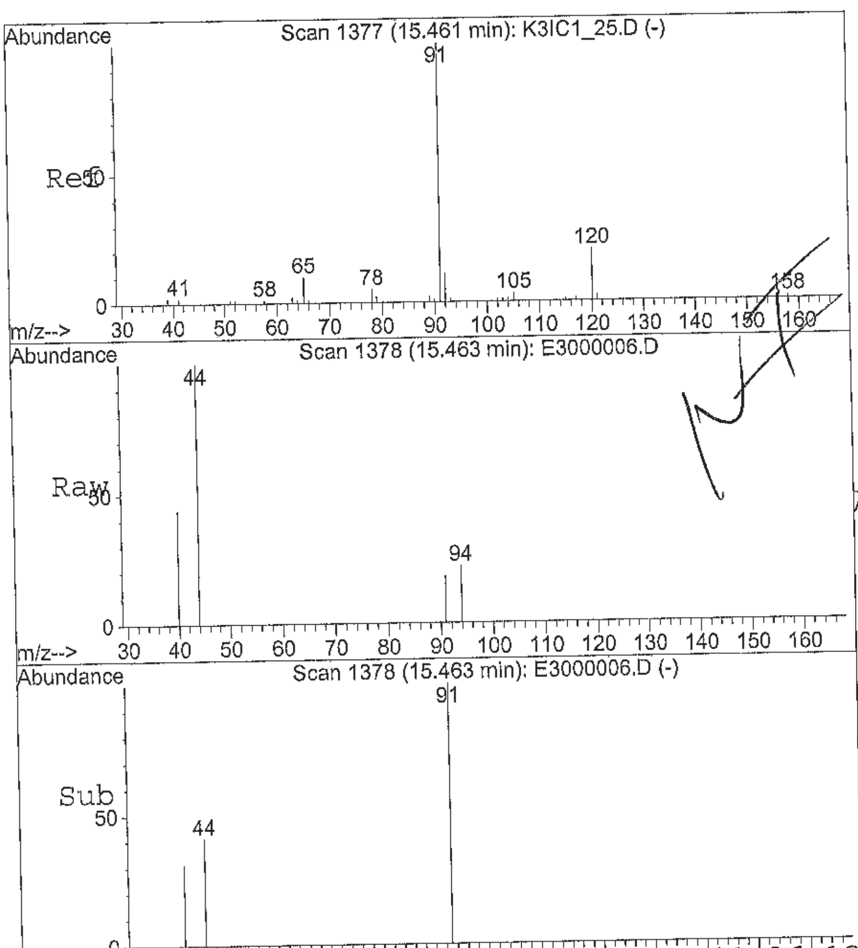


#56
Isopropylbenzene
Concen: 0.03 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.21 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion:105 Resp: 628

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	545.7	13.1	19.7#

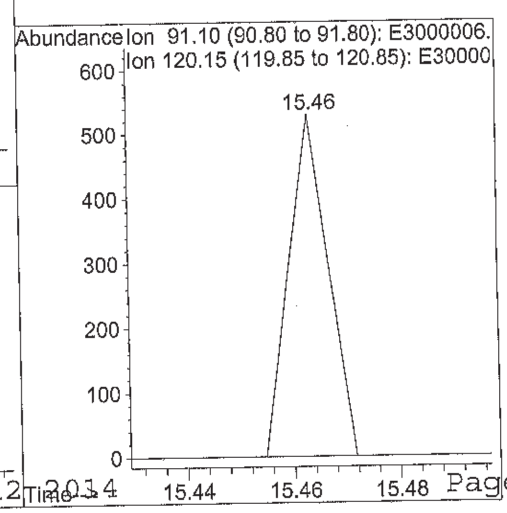


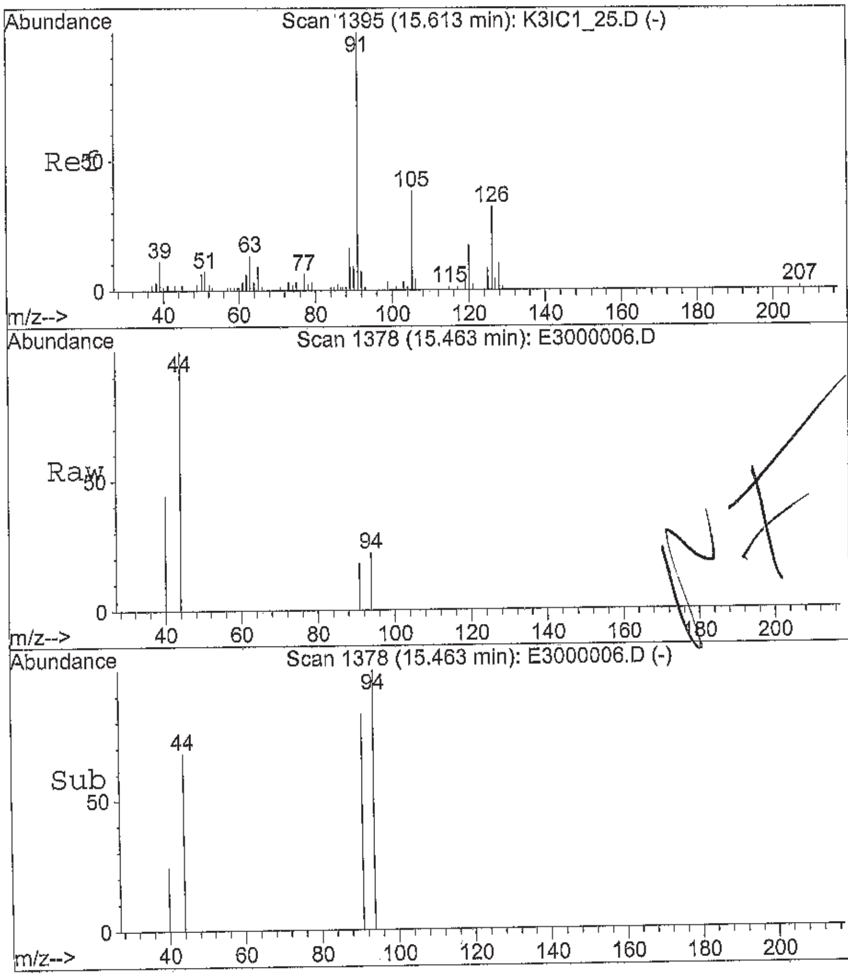


#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt Ion: 91 Resp: 268

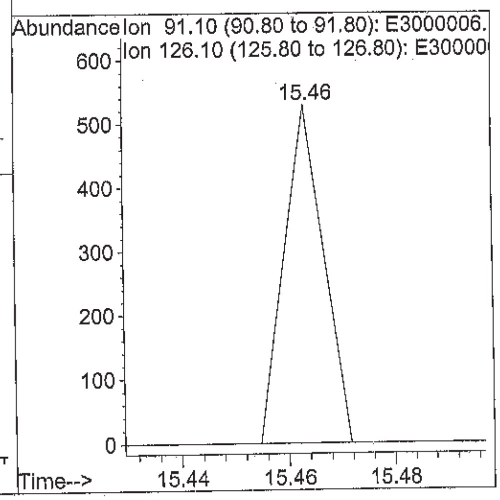
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

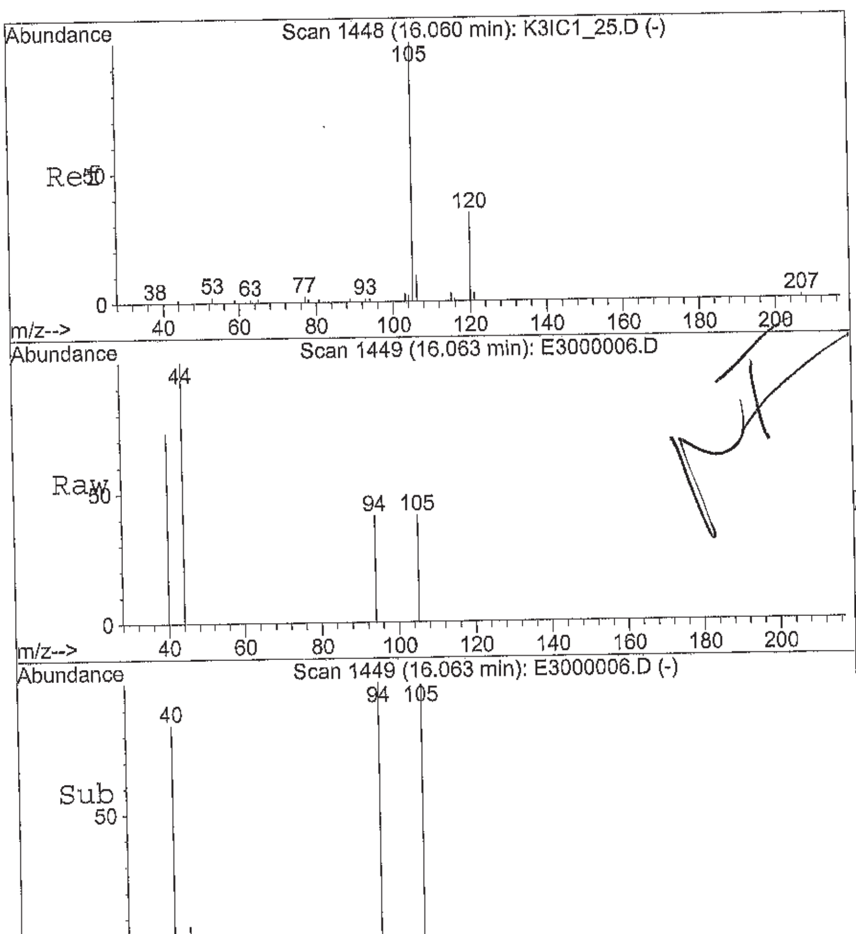




#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.46 min   Scan# 1378
Delta R.T.   -0.15 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

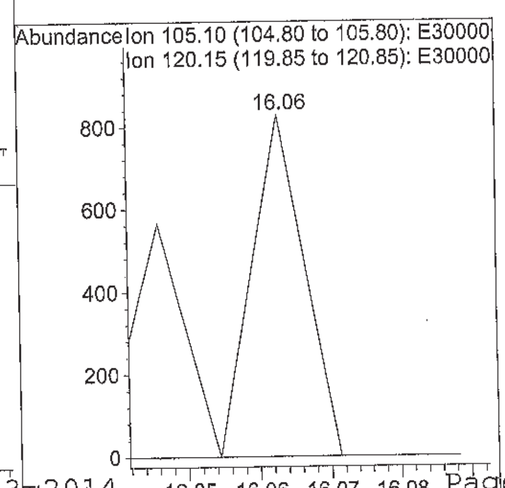
Tgt Ion: 91	Resp:		268
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

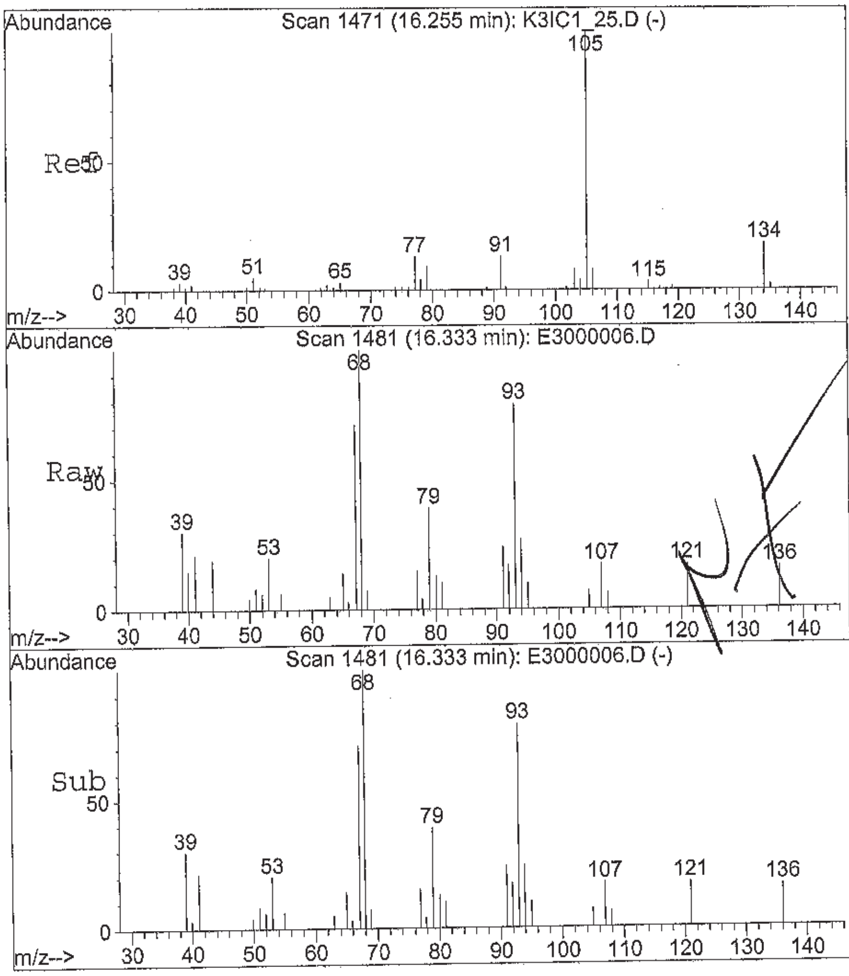




#67
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 16.06 min   Scan# 1449
Delta R.T.   0.00 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

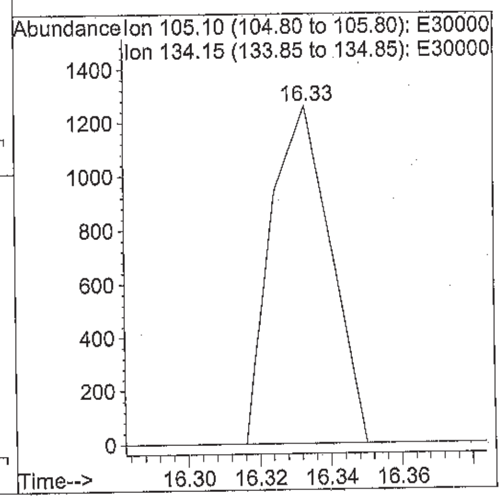
Tgt Ion:105	Resp:		420
Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

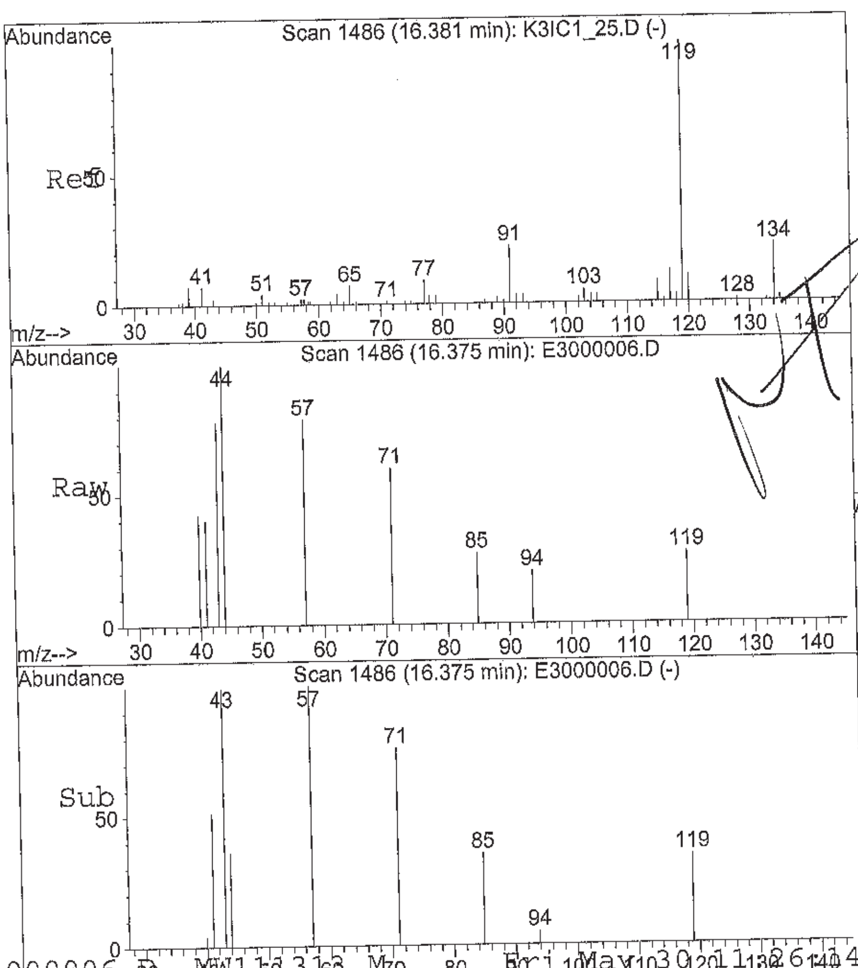




#68
sec-Butylbenzene
Concen: 0.06 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

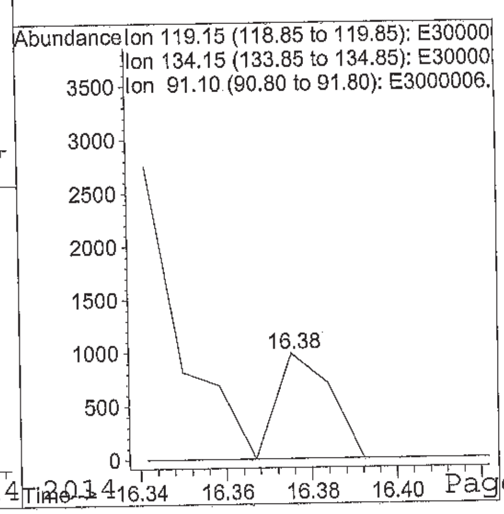
Tgt	Ion:105	Resp:	1452
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.05 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E3000006.D
Acq: 30 May 2014 10:57 am

Tgt	Ion:119	Resp:	855
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000006.D          Vial: 5
Acq On    : 30 May 2014  10:57 am                       Operator: DN
Sample    : 3E43001-05                                  Inst    : GC/MS Ins
Misc      : 100cc  SVL-546-SA5D-SV-16.0-17.0            Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:23 19114                 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1452575	12.50 ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1211623	12.50 ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	685597	12.50 ug/L	-0.01

System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.42	113	427901	11.33 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.64%	
3) Chloroform-d (SU6)	9.18	84	682972	12.60 ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery =	100.80%	
4) Methylene Chloride-d2 (SU5	7.06	86	395667	12.49 ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	99.92%	
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	418781	16.22 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	129.76%#	
6) Benzene-d6 (SU7)	9.92	84	1311107	11.50 ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	92.00%	
8) Toluene-d8 (SU3)	12.20	98	1334547	11.61 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.88%	
9) 4-Bromofluorobenzene (SU4)	15.22	95	692829	14.60 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	116.80%	

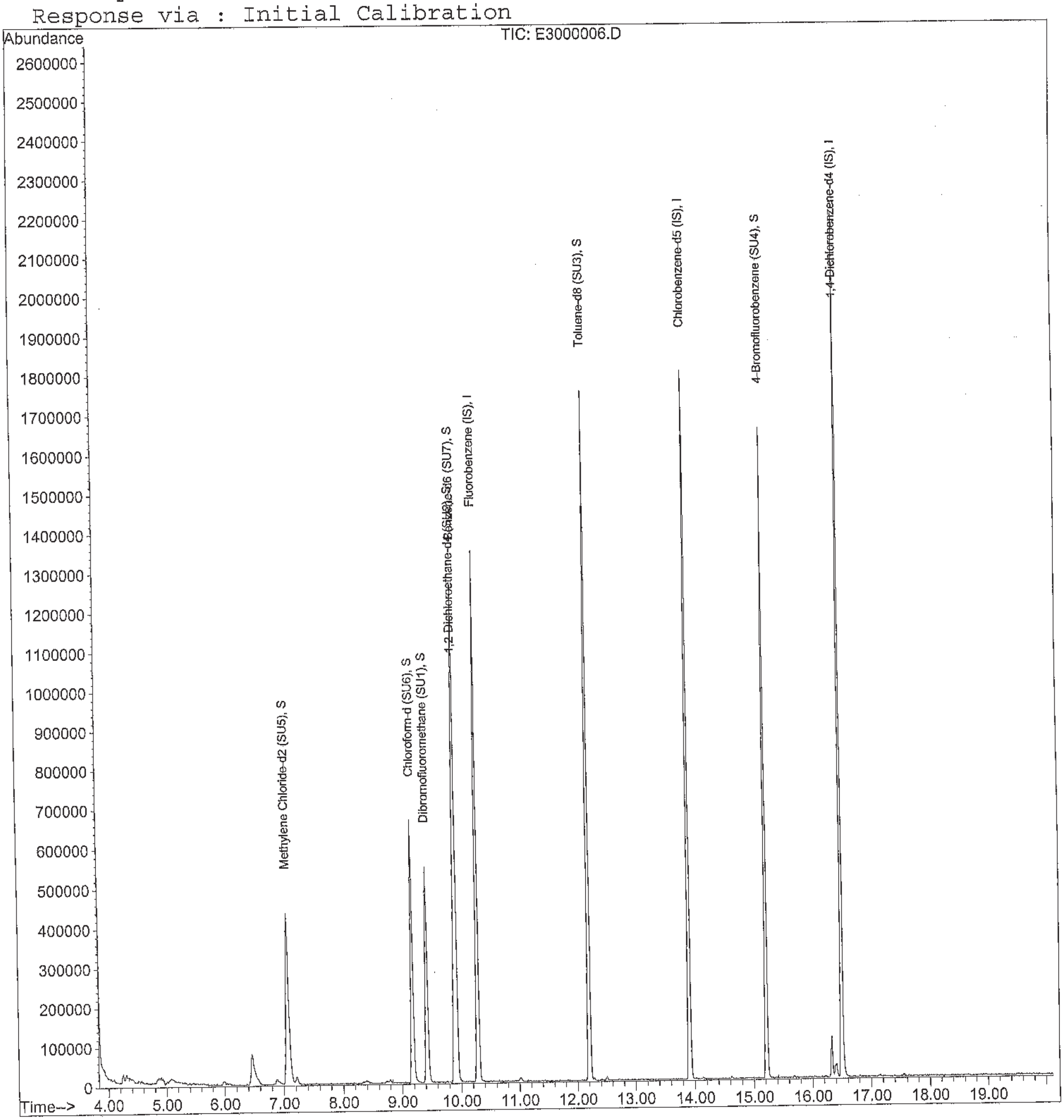
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000006.D Vial: 5
Acq On : 30 May 2014 10:57 am Operator: DN
Sample : 3E43001-05 Inst : GC/MS Ins
Misc : 100cc SVL-546-SA5D-SV-16.0-17.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 11:23 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report   (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000007.D
Acq On   : 30 May 2014   11:29 am
Sample   : 3E43001-06
Misc   : 100cc SVL-550-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 30 12:03 19114

Vial: 6
Operator: DN
Inst   : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title   : 8260B   GC/MS #3   ICAL 11/13/13   DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.28	96	1576971	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1289023	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	706098	12.50 ug/L	0.00

System Monitoring Compounds

	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	450027	11.44 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 91.52%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	421759	11.28 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 90.24%	
39) Toluene-d8 (SU3)	12.20	98	1414113	11.76 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 94.08%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	719694	13.65 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 109.20%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) (F12) Dichlorodifluorometh	4.07	85	275	0.07 ~~ug/L~~ #	44
4) Chloromethane	4.38	50	649	-0.98 ug/L #	41
6) Bromomethane	5.08	96	5199	1.22 ~~ug/L~~ #	76
7) Chloroethane	5.18	64	741	1.25 ~~ug/L~~	88
11) Acetone	6.46	58	6115	5.06 ~~ug/L~~	90
12) (IPA) Leak Check Compound	6.47	45	194125	1024.43 ~~ug/L~~ #	83
13) Carbon disulfide	6.84	76	2078	0.16 ~~ug/L~~ #	76
14) Methylene Chloride	7.06	84	6428	1.48 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.89	59	2382	8.86 ~~ug/L~~ #	77
24) Chloroform	9.20	83	750	0.09 ~~ug/L~~ #	1
25) (ETBE) 2-ethoxy 2-methyl p	8.32	59	1120	0.10 ug/L #	44
29) 1,1-Dichloropropene	9.92	75	653	0.11 ~~ug/L~~ #	1
31) Benzene	9.93	78	10112	0.68 ~~ug/L~~ #	78
32) 1,2-Dichloroethane	9.93	62	6579	1.25 ~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7205	2.80 ~~ug/L~~ # NT	100
41) Toluene	12.28	91	3473	0.20 ug/L 0.004	85
46) 2-Hexanone	12.92	43	2767	0.98 ~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	2618	0.13 ~~ug/L~~ #	45
52) m,p-Xylenes	14.13	106	2707	0.38 ug/L 0.0076	88
53) o-Xylene	14.62	106	294	0.04 ug/L # 0.0008	1
54) Styrene	14.62	104	1794	-0.70 ~~ug/L~~ #	64
56) Isopropylbenzene	15.00	105	265	0.01 ~~ug/L~~ #	55

Data File : C:\HPCHEM\1\DATA\053014L3\E3000007.D Vial: 6
Acq On : 30 May 2014 11:29 am Operator: DN
Sample : 3E43001-06 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:03 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

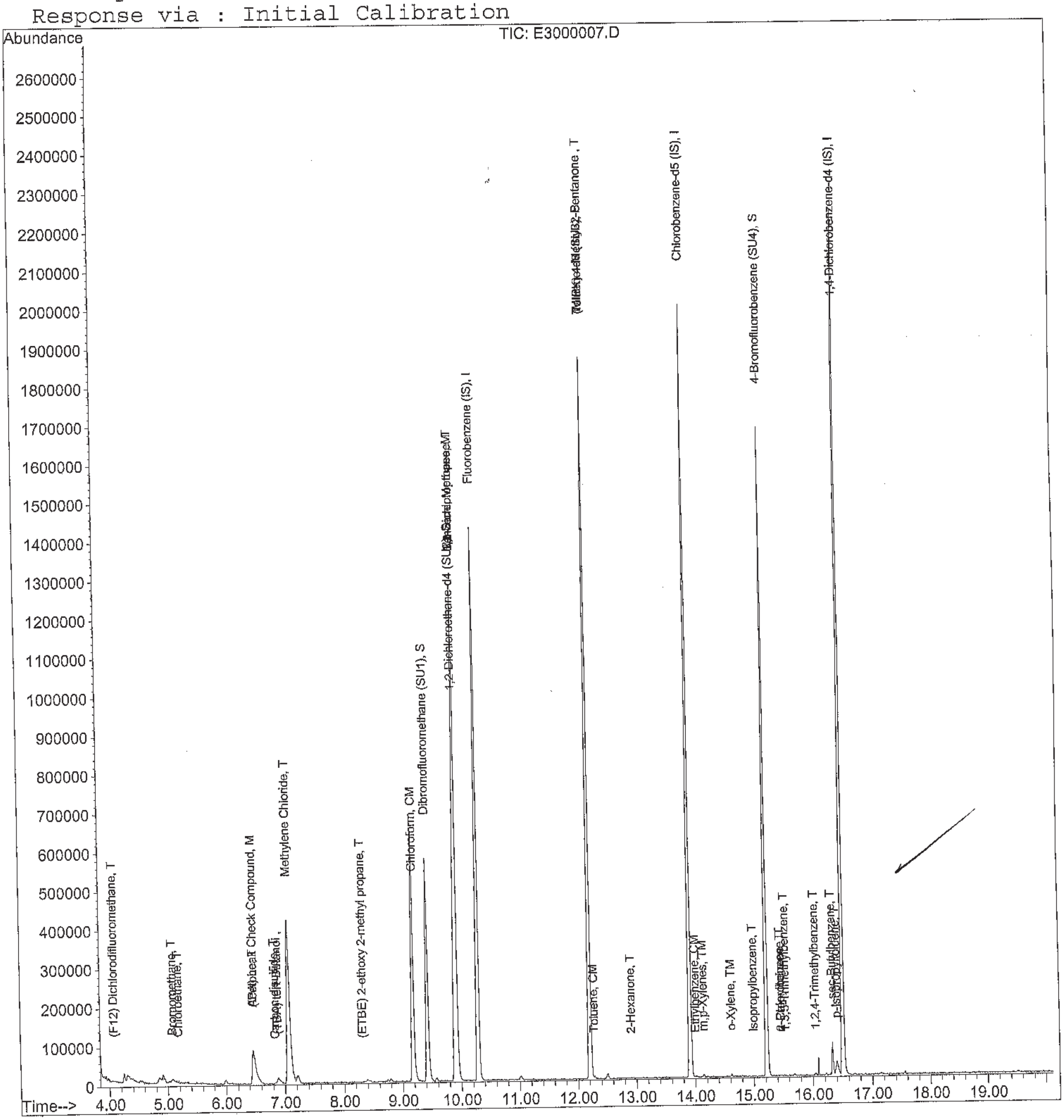
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	n-Propylbenzene	15.45	91	731	0.03	~~ug/L~~	#	56
63)	2-Chlorotoluene	15.45	91	731	0.04	~~ug/L~~	#	45
64)	1,3,5-Trimethylbenzene	15.54	105	814	0.05	~~ug/L~~	#	31
67)	1,2,4-Trimethylbenzene	16.05	105	1564	0.09	~~ug/L~~	#	33
68)	sec-Butylbenzene	16.33	105	775	0.03	~~ug/L~~	#	62
69)	p-Isopropyltoluene	16.39	119	801	0.04	~~ug/L~~	#	65

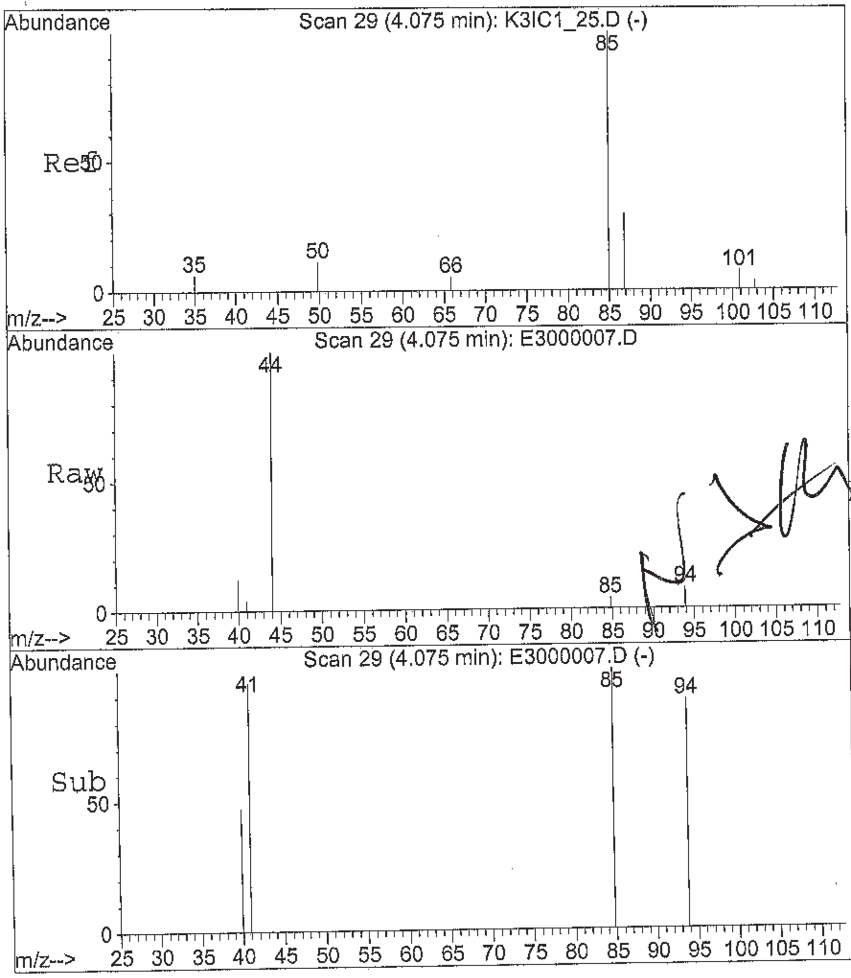
)8V

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000007.D
Vial: 6
Acq On : 30 May 2014 11:29 am
Operator: DN
Sample : 3E43001-06
Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-5.0-6.0
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:03 19114
Quant Results File: MW111313.RES

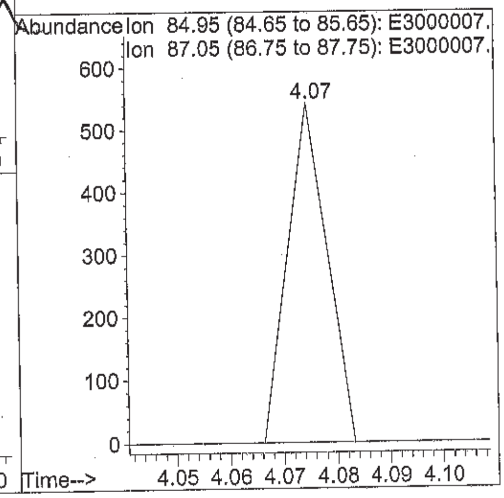
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

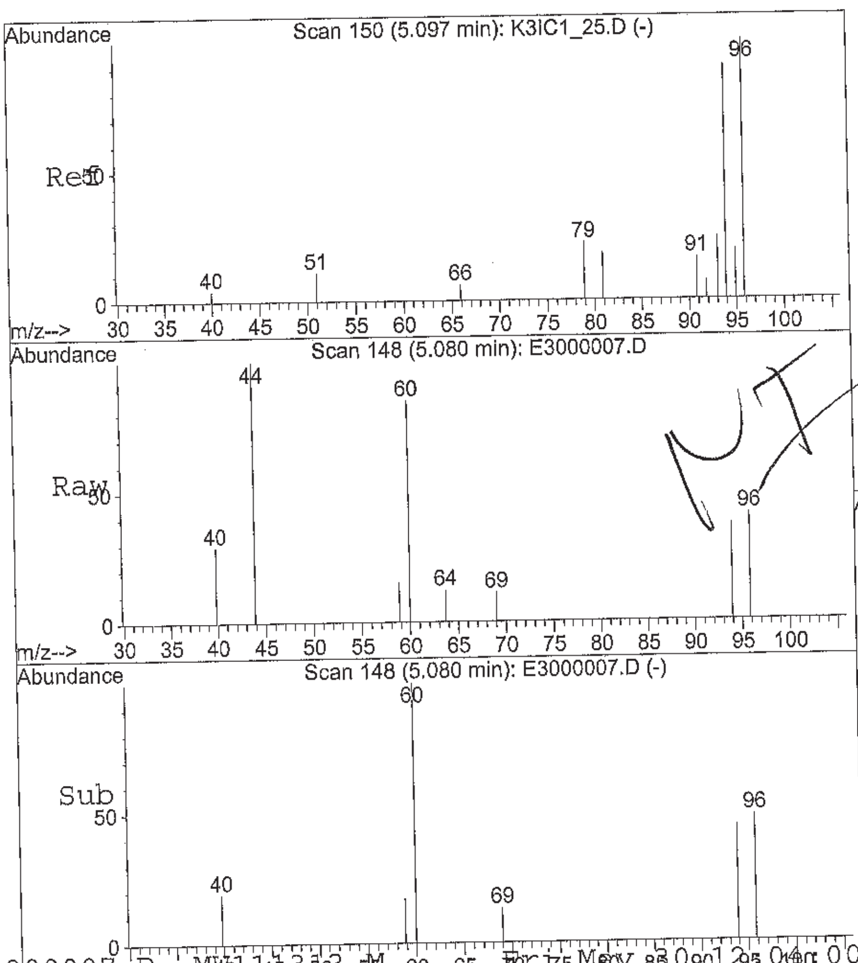




#3
(F12) Dichlorodifluoromethane
Concen: 0.07 ug/L
RT: 4.07 min   Scan# 29
Delta R.T.   0.00 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

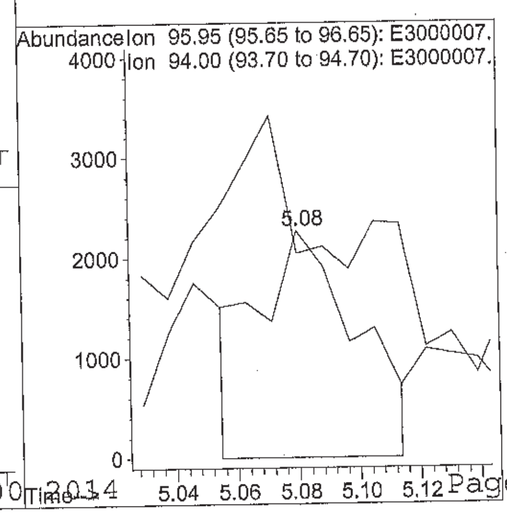
Tgt Ion: 85	Resp:		275
Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

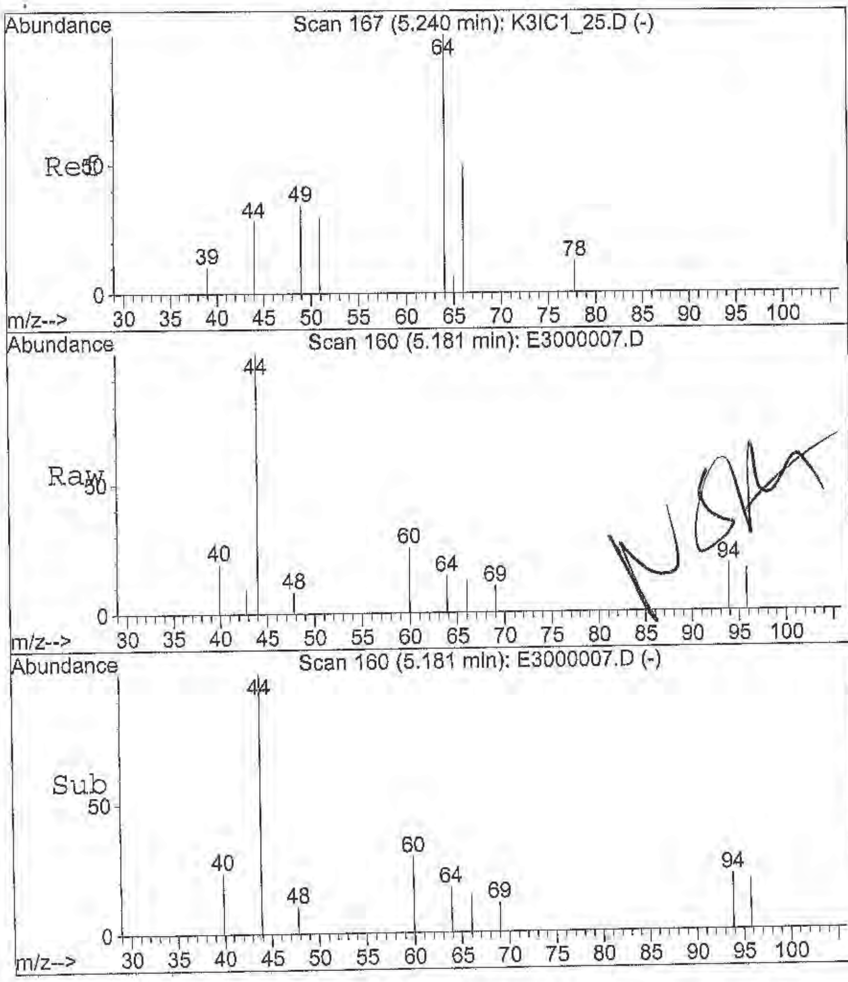




#6
Bromomethane
Concen: 1.22 ug/L
RT: 5.08 min   Scan# 148
Delta R.T.   -0.02 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 96	Resp:		5199
Ion	Ratio	Lower	Upper
96	100		
94	153.2	101.0	151.4#

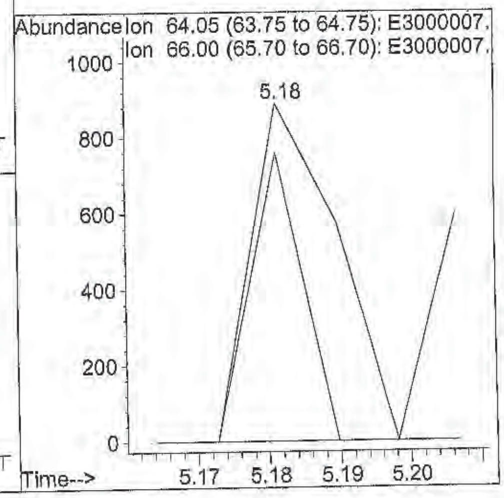


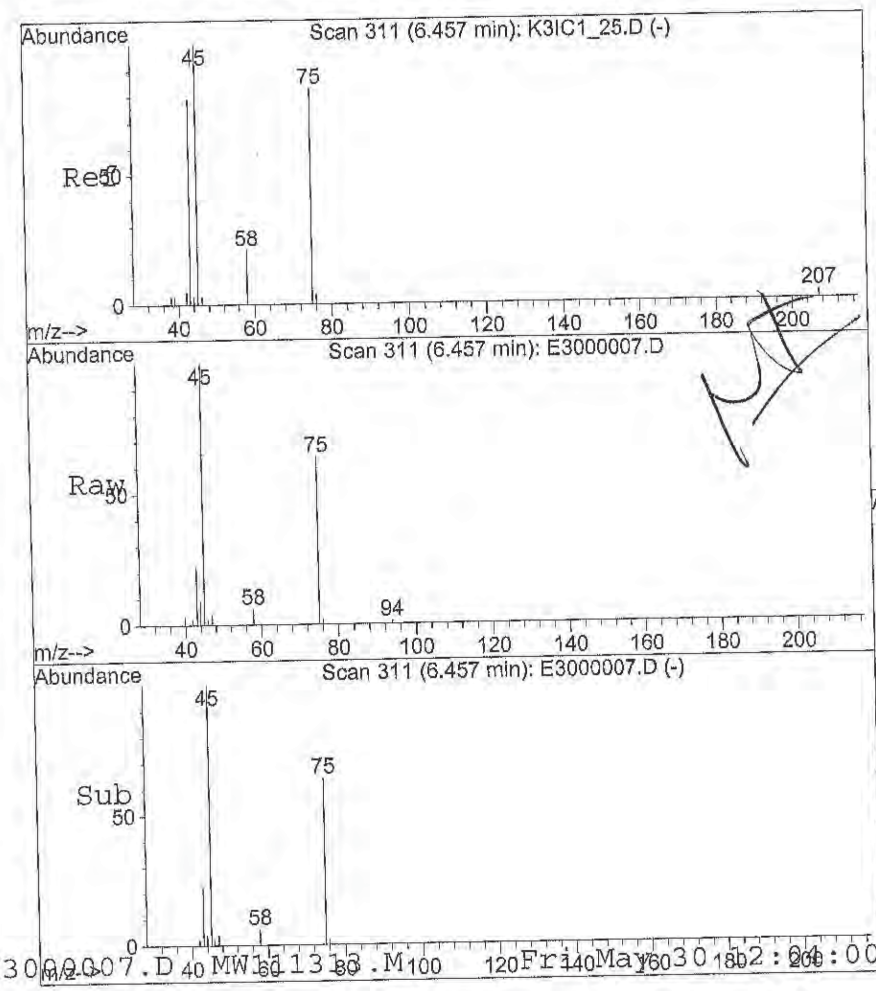


#7
Chloroethane
Concen: 1.25 ug/L
RT: 5.18 min Scan# 160
Delta R.T. -0.06 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 64 Resp: 741

Ion	Ratio	Lower	Upper
64	100		
66	51.8	35.4	53.0

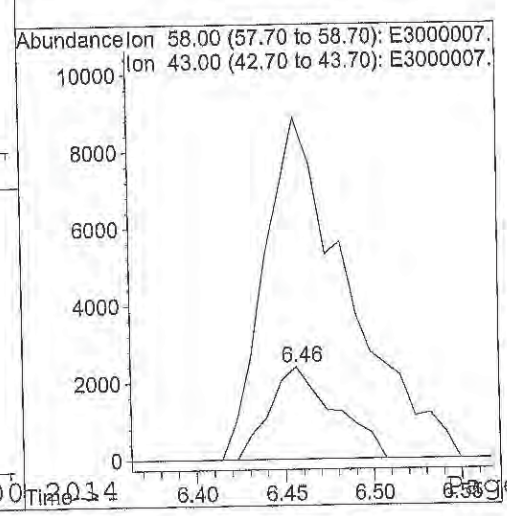


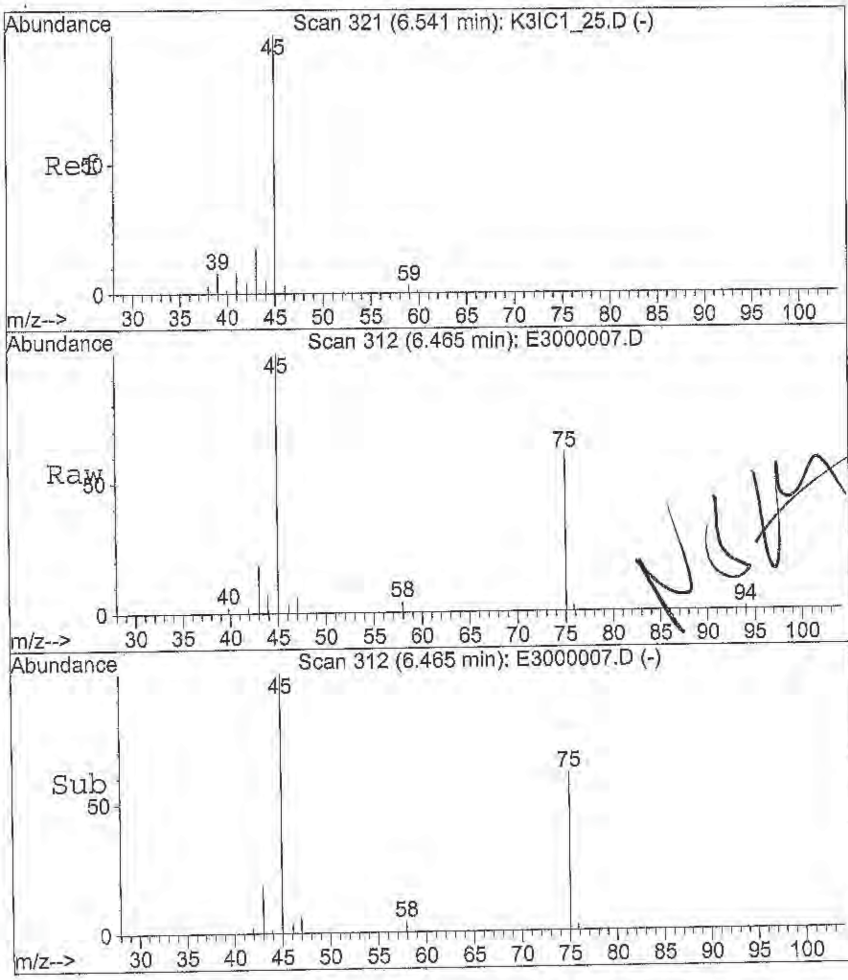


#11
Acetone
Concen: 5.06 ug/L
RT: 6.46 min Scan# 311
Delta R.T. 0.00 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 58 Resp: 6115

Ion	Ratio	Lower	Upper
58	100		
43	477.6	360.9	541.3

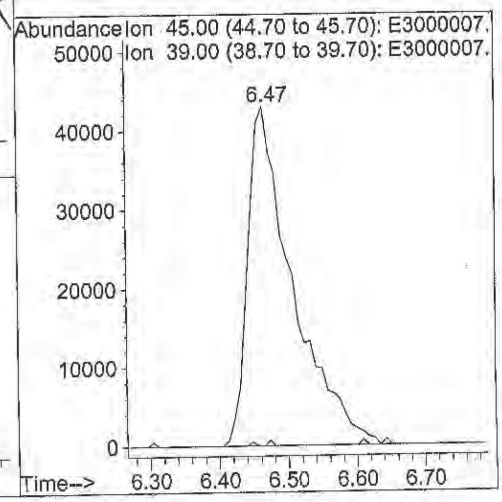


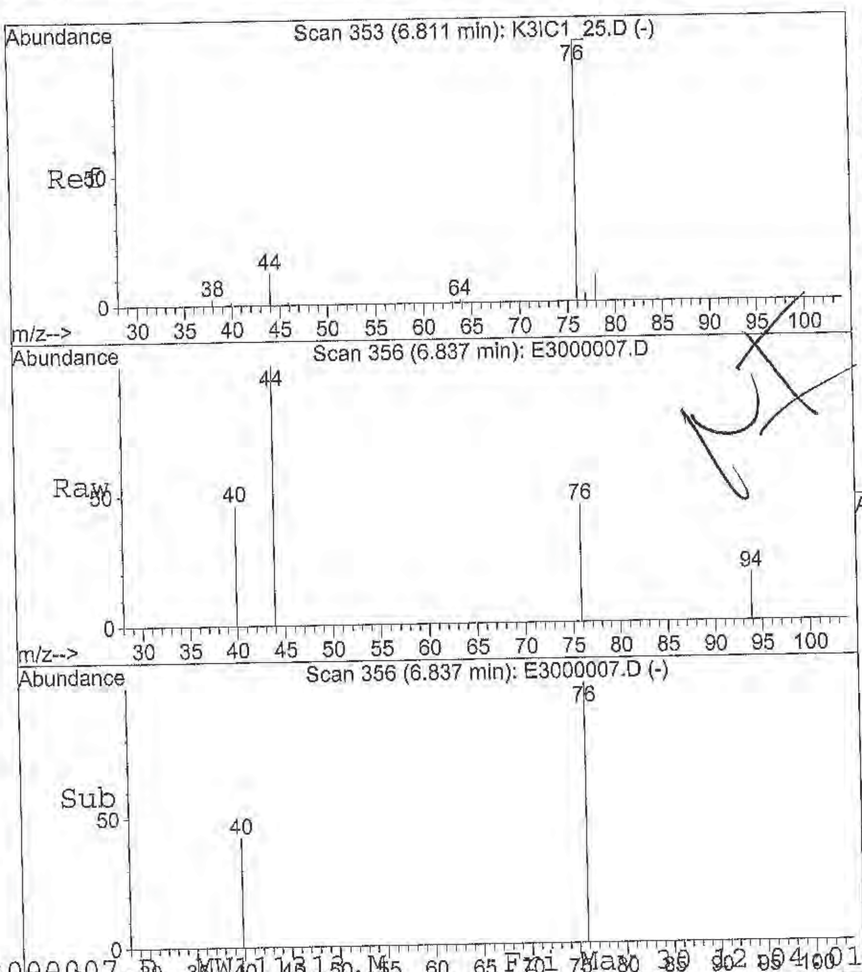


#12
(IPA) Leak Check Compound
Concen: 1024.43 ug/L
RT: 6.47 min Scan# 312
Delta R.T. -0.08 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 45 Resp: 194125

Ion	Ratio	Lower	Upper
45	100		
39	0.2	4.9	7.3#

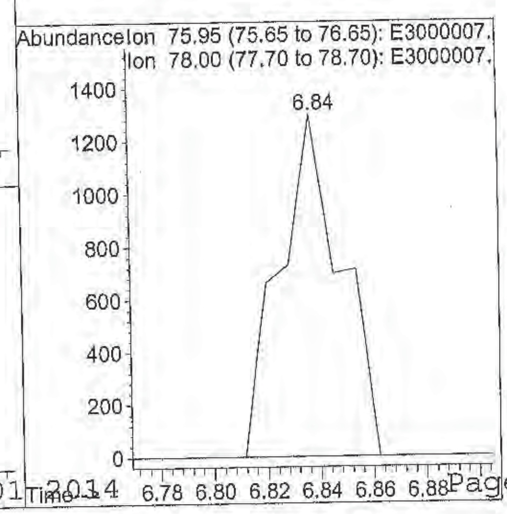


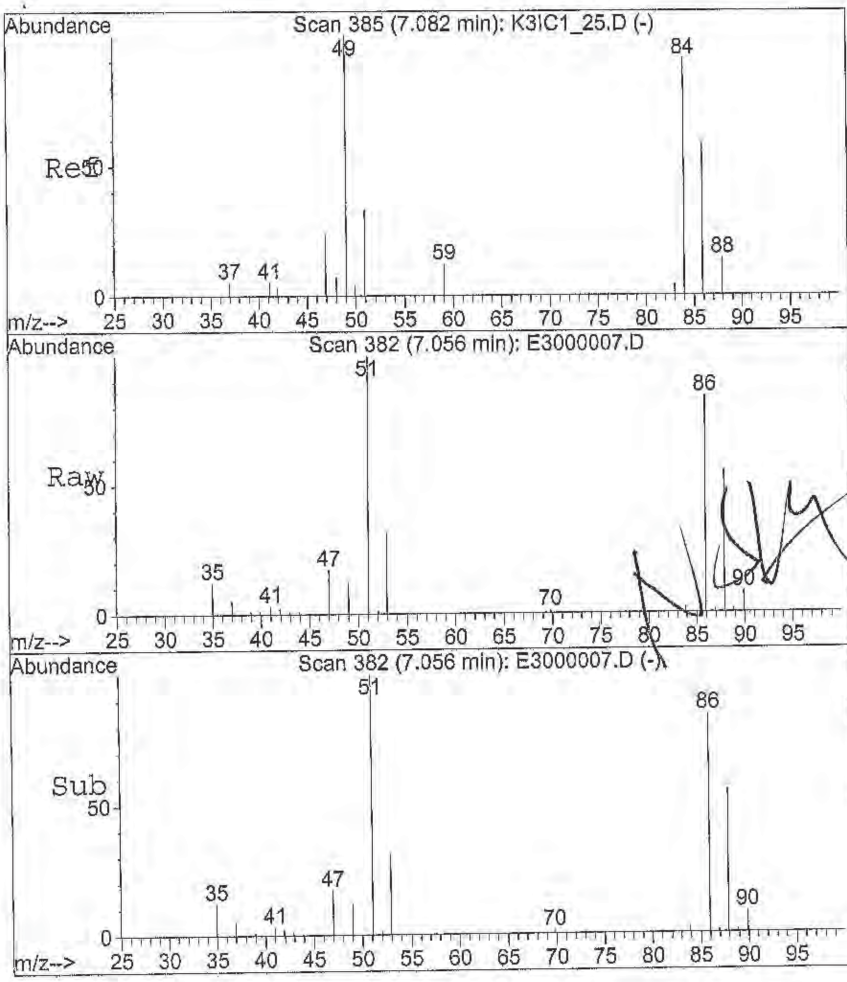


#13
Carbon disulfide
Concen: 0.16 ug/L
RT: 6.84 min Scan# 356
Delta R.T. 0.03 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 76 Resp: 2078

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

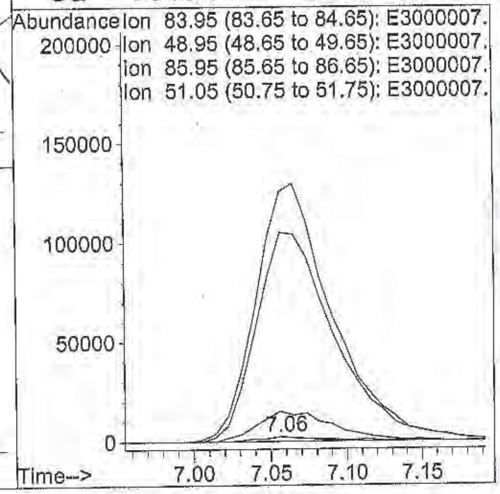


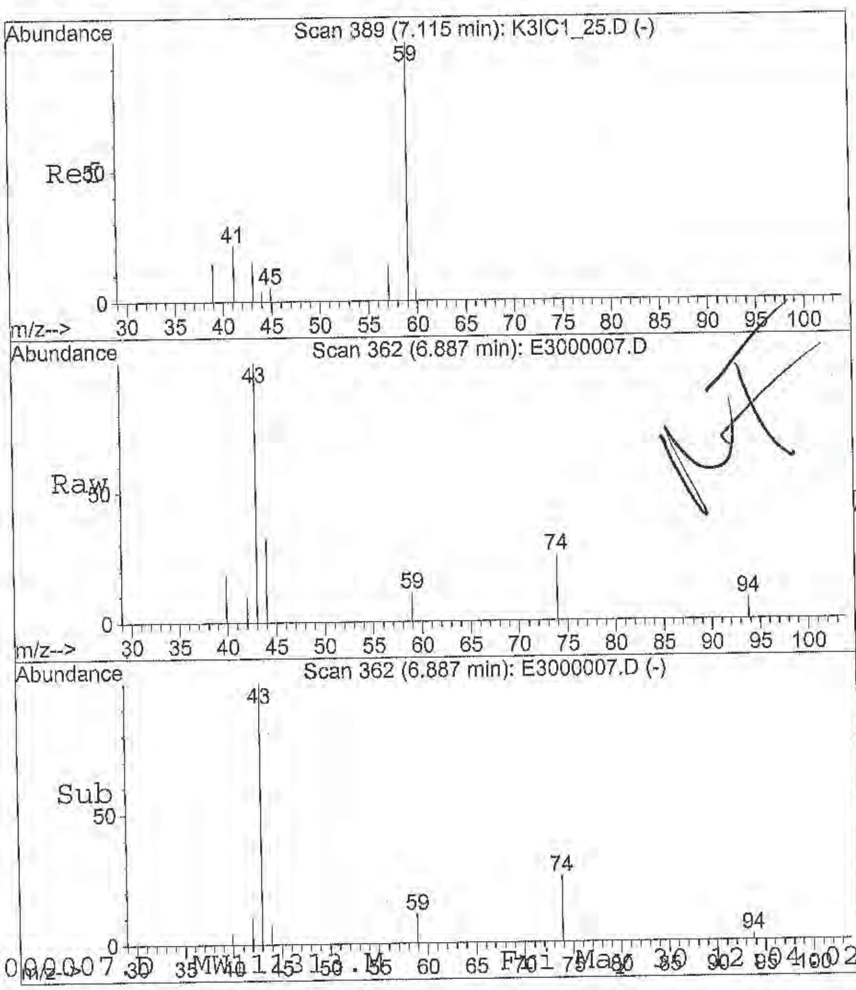


#14
Methylene Chloride
Concen: 1.48 ug/L
RT: 7.06 min Scan# 382
Delta R.T. -0.03 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 84 Resp: 6428

Ion	Ratio	Lower	Upper
84	100		
49	794.8	89.8	134.6#
86	5882.7	51.1	76.7#
51	7049.9	28.5	42.7#

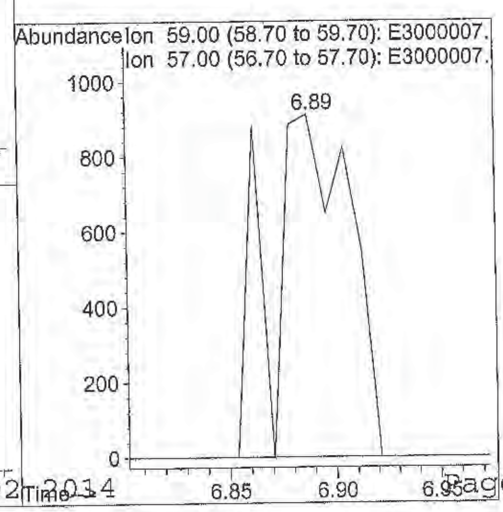


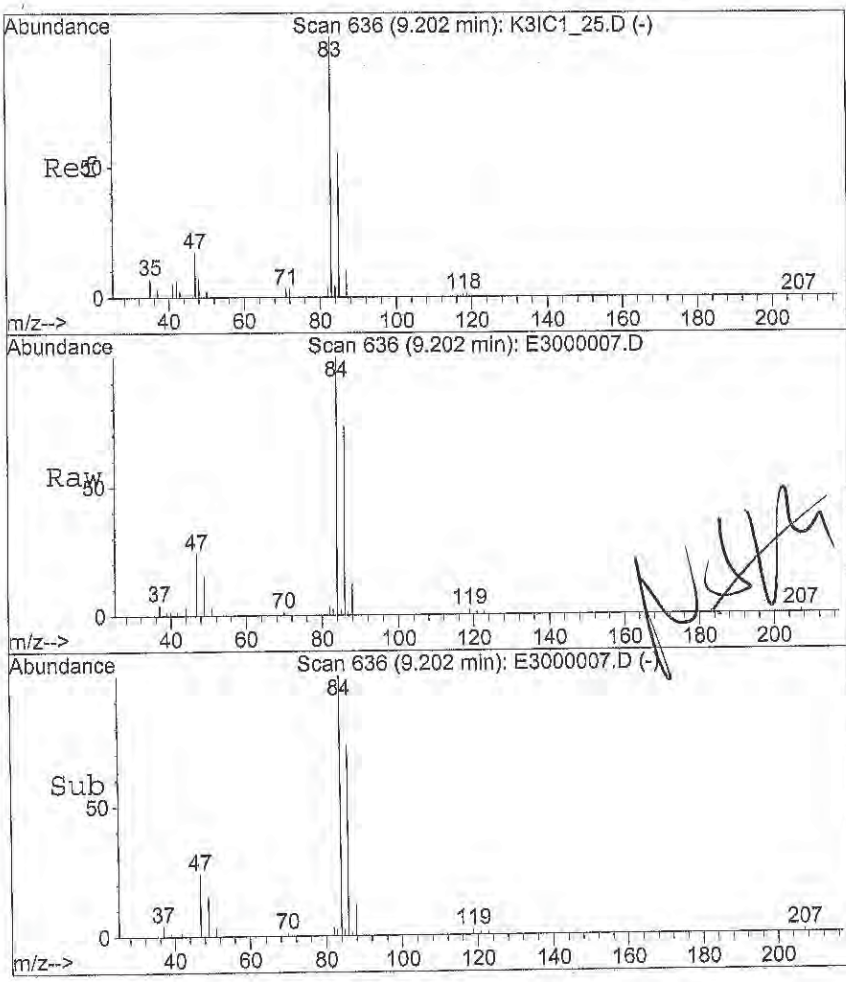


#15
(TBA) tert-Butanol
Concen: 8.86 ug/L
RT: 6.89 min Scan# 362
Delta R.T. -0.23 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 59 Resp: 2382

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

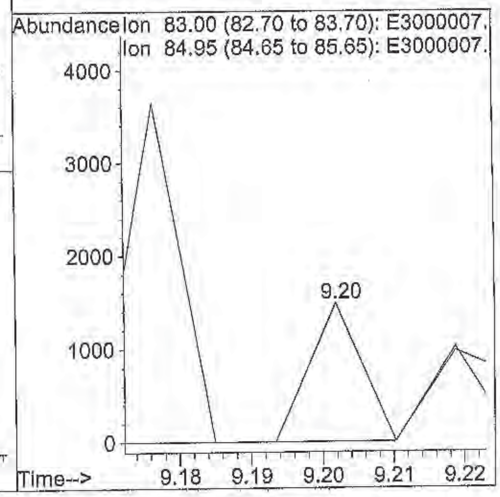


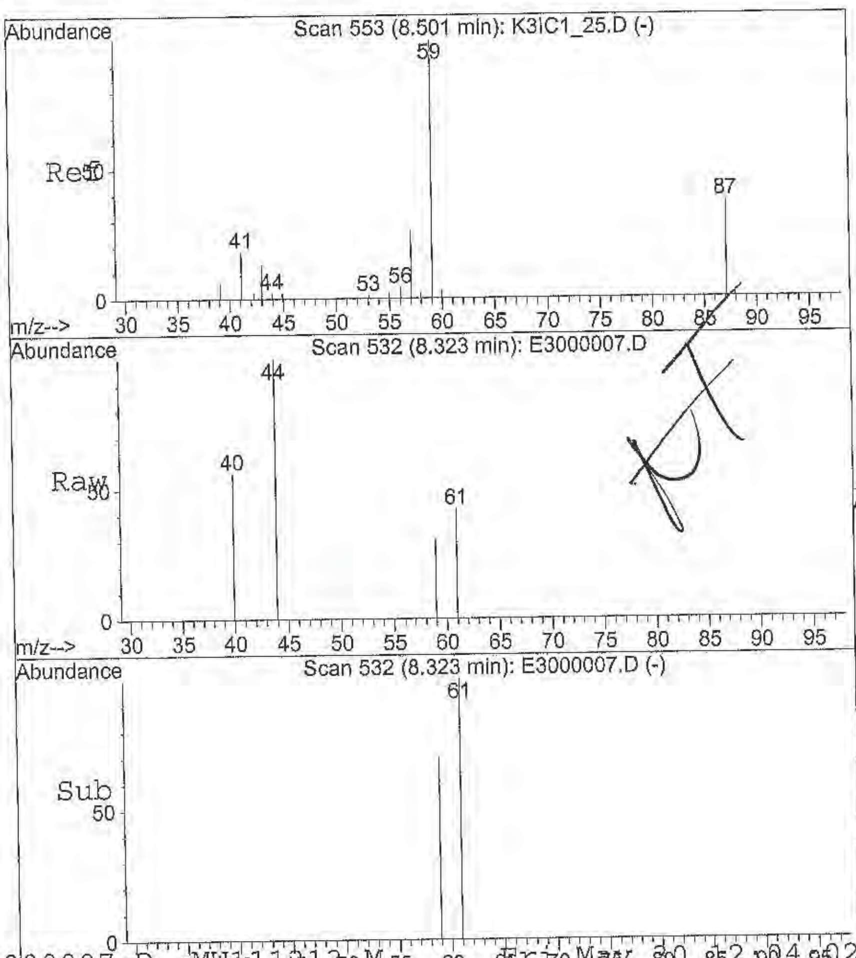


#24
Chloroform
Concen: 0.09 ug/L
RT: 9.20 min Scan# 636
Delta R.T. 0.00 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 83 Resp: 750

Ion	Ratio	Lower	Upper
83	100		
85	169.2	51.8	77.6#

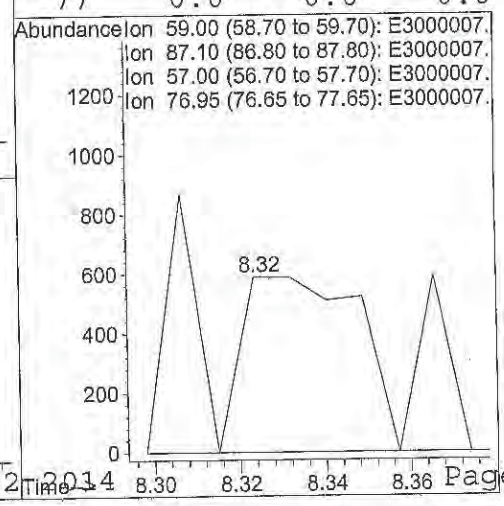


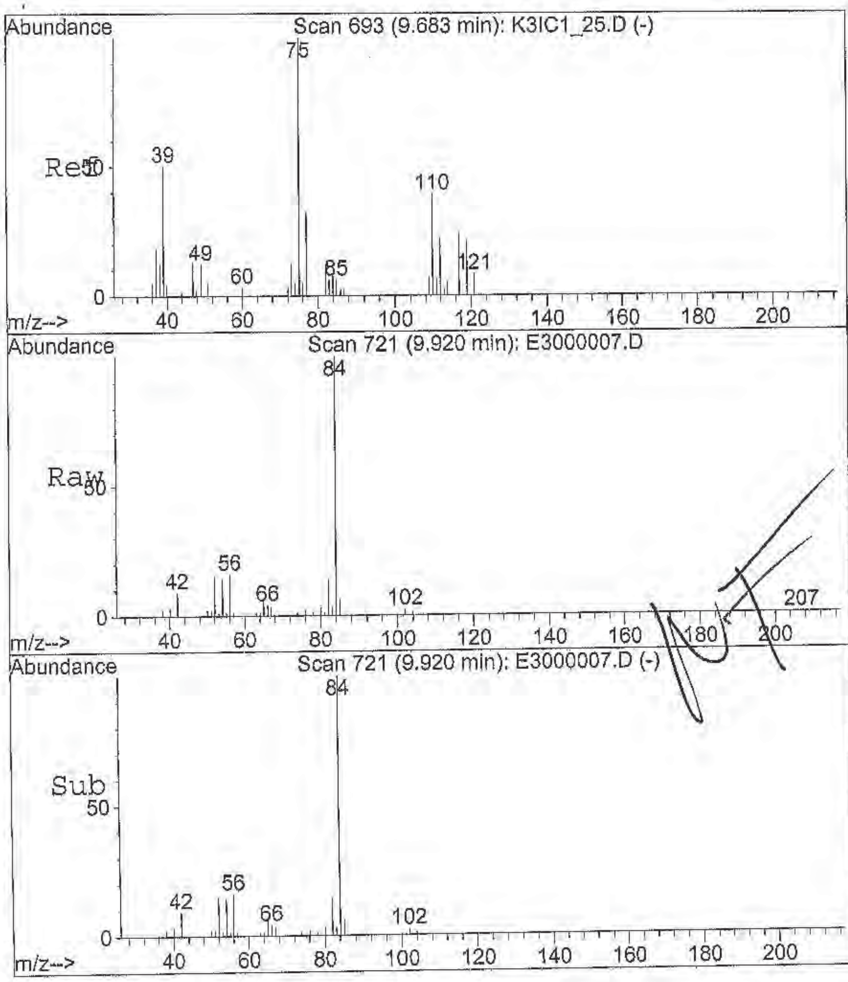


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.10 ug/L
RT: 8.32 min Scan# 532
Delta R.T. -0.18 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 59 Resp: 1120

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

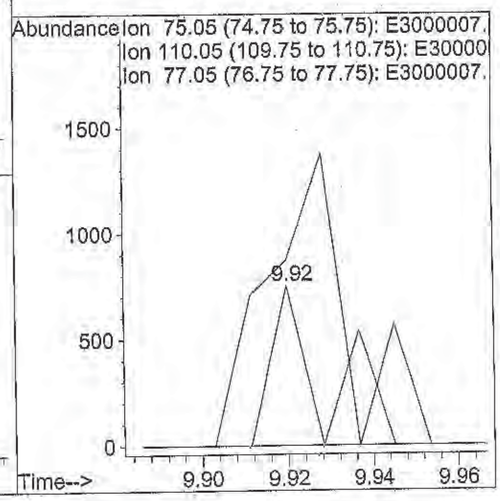


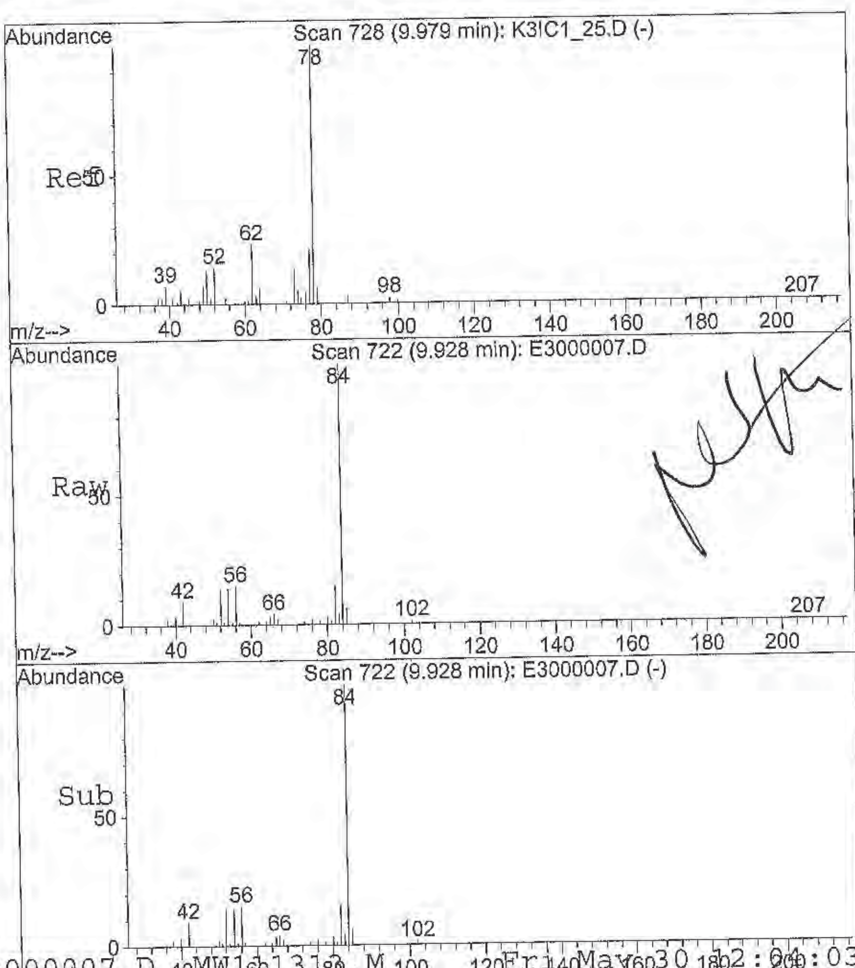


#29
1,1-Dichloropropene
Concen: 0.11 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.24 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 75 Resp: 653

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	229.2	25.0	37.4#

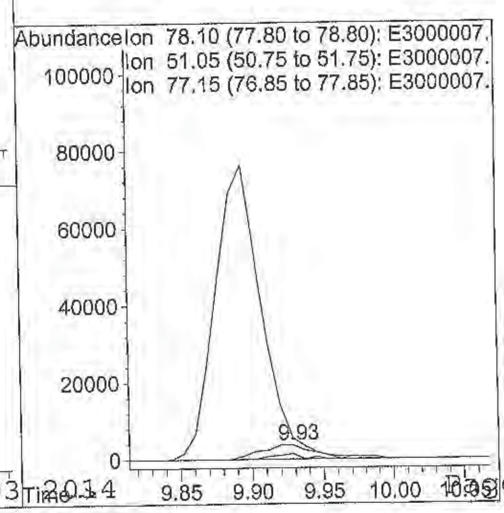


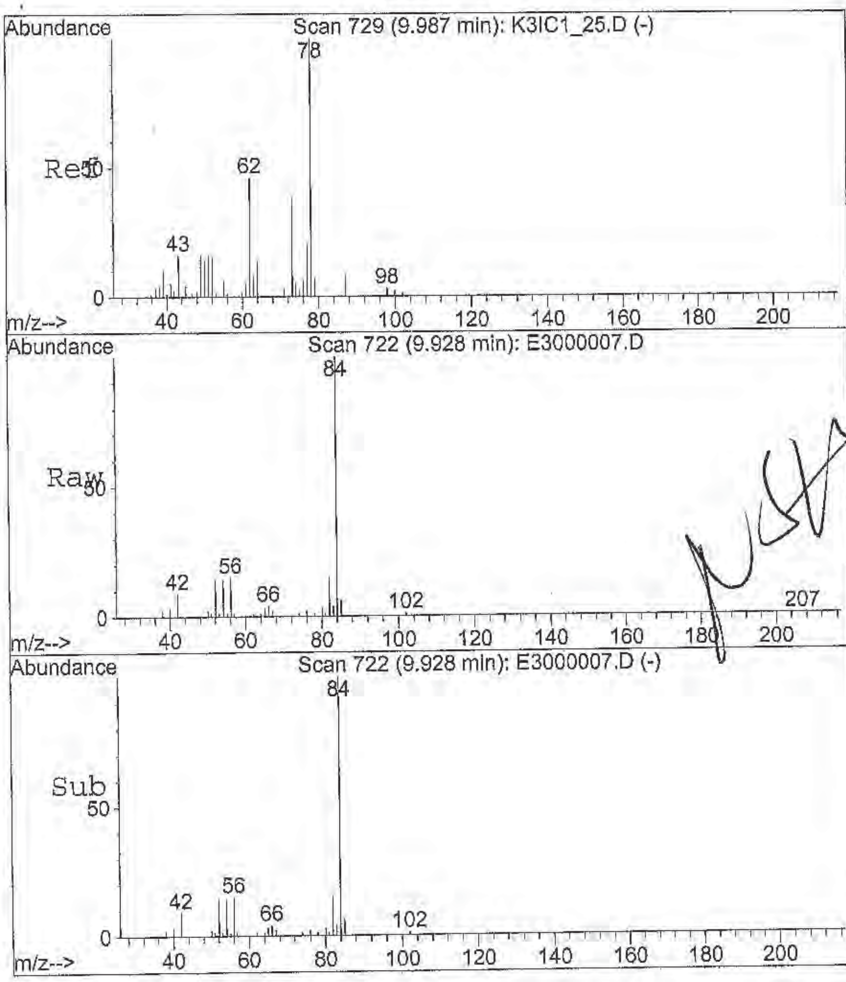


#31
Benzene
Concen: 0.68 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.05 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 78 Resp: 10112

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	17.7	16.6	24.8

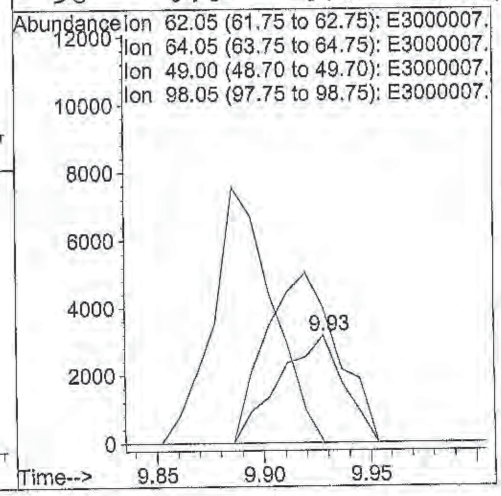


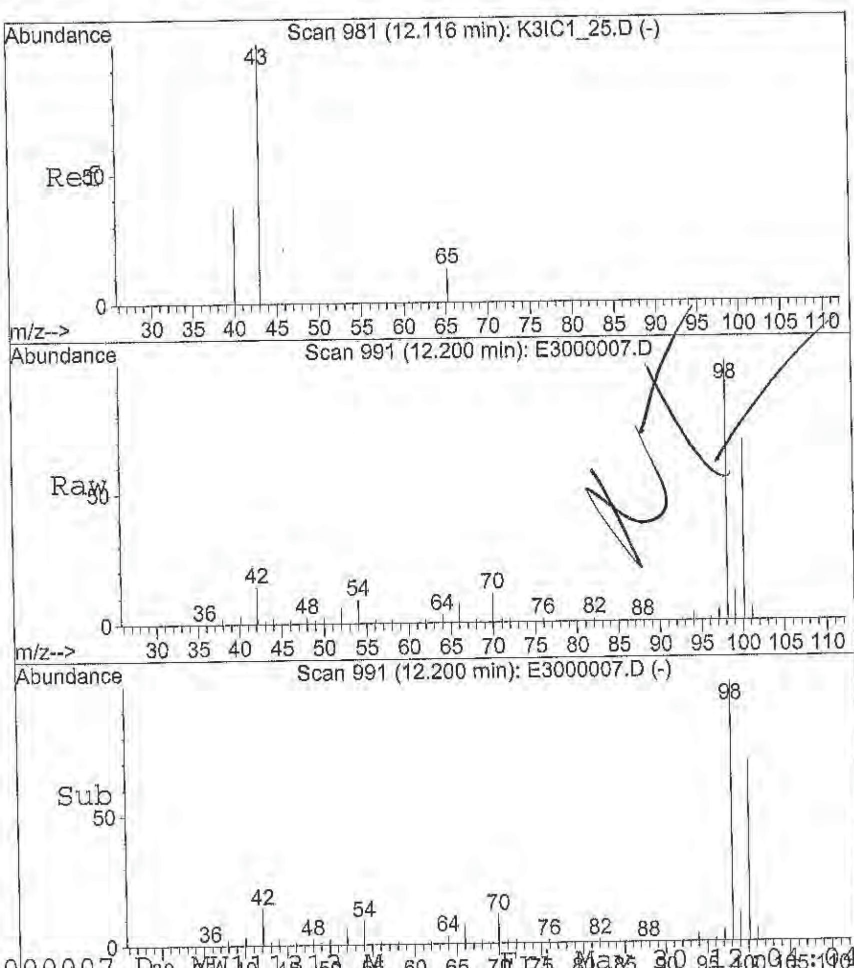


#32
1,2-Dichloroethane
Concen: 1.25 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 62 Resp: 6579

Ion	Ratio	Lower	Upper
62	100		
64	177.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

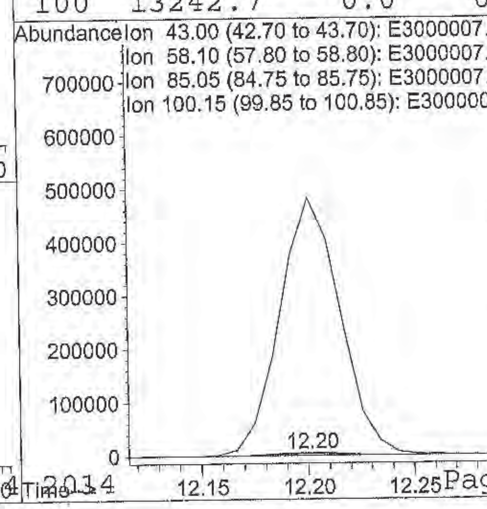


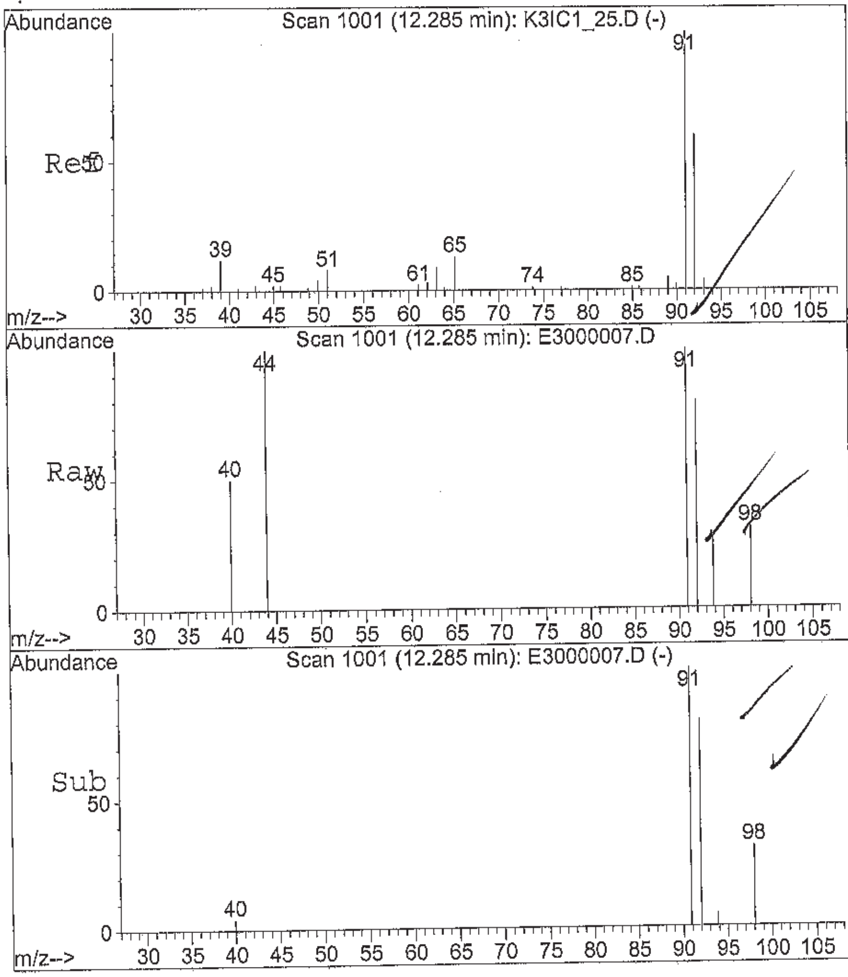


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.80 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 43 Resp: 7205

Ion	Ratio	Lower	Upper
43	100		
58	155.8	0.0	0.0#
85	0.0	0.0	0.0
100	13242.7	0.0	0.0#

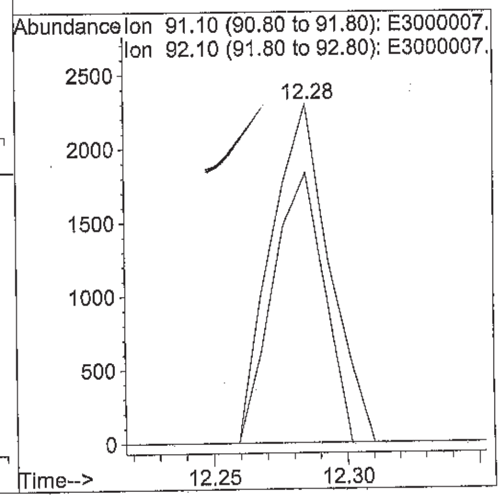


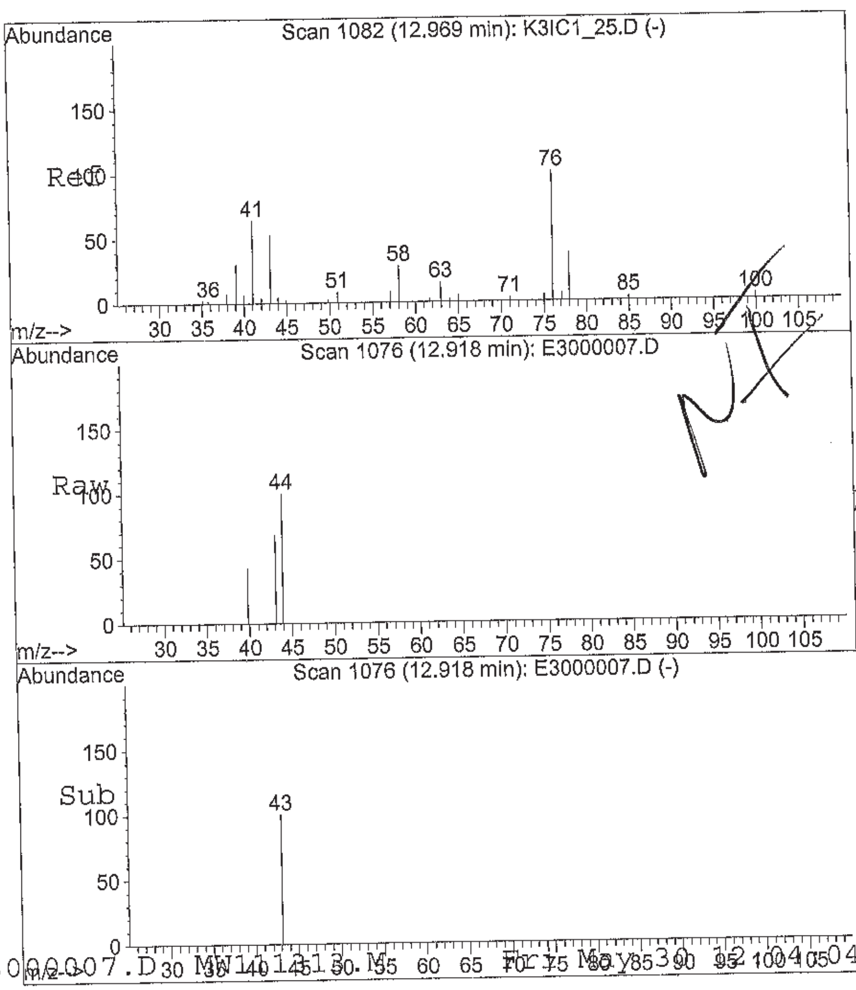


#41
Toluene
Concen: 0.20 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. 0.00 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 91 Resp: 3473

Ion	Ratio	Lower	Upper
91	100		
92	70.6	47.4	71.0

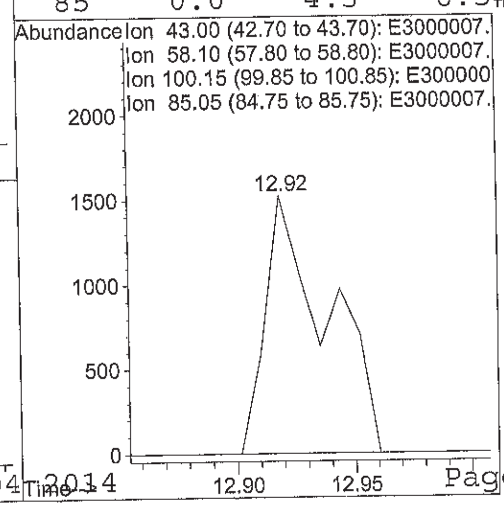


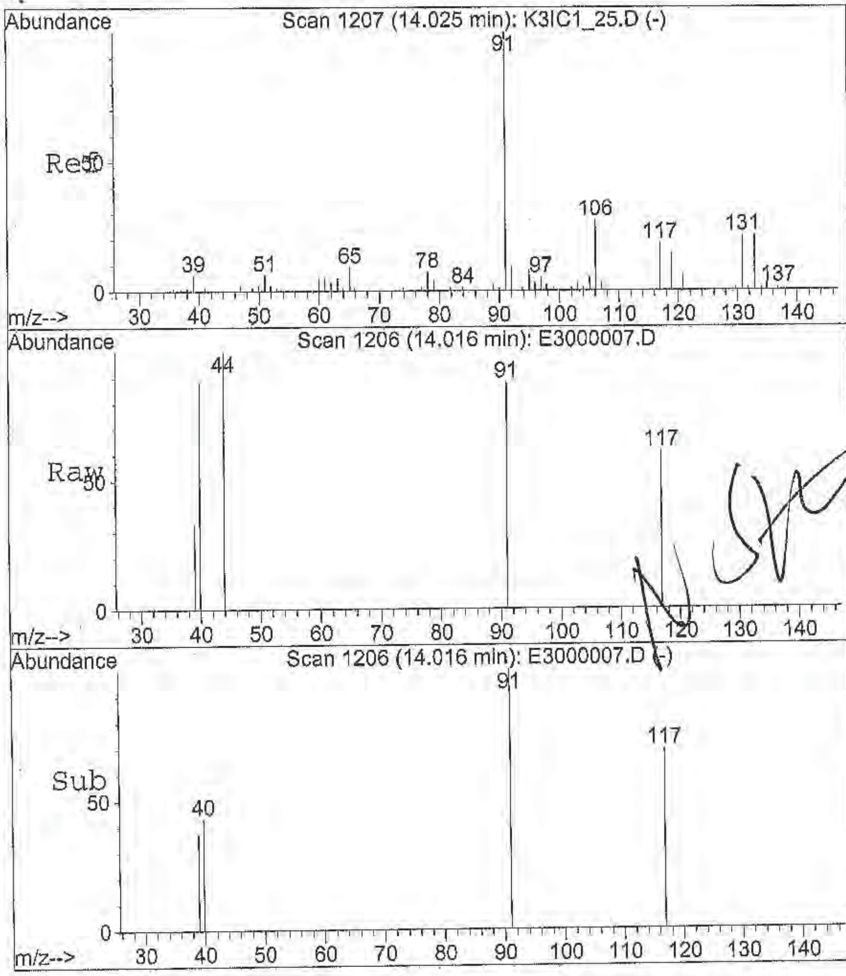


#46
2-Hexanone
Concen: 0.98 ug/L
RT: 12.92 min Scan# 1076
Delta R.T. -0.05 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 43 Resp: 2767

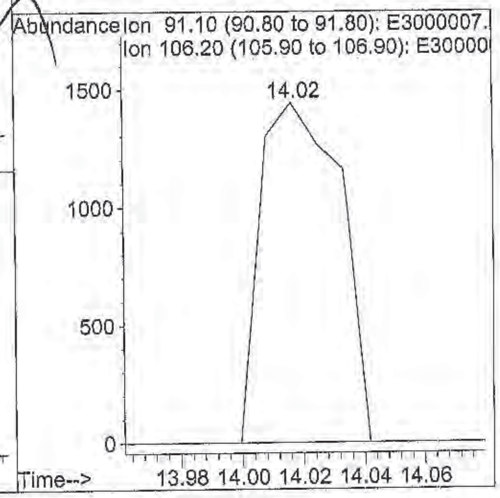
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

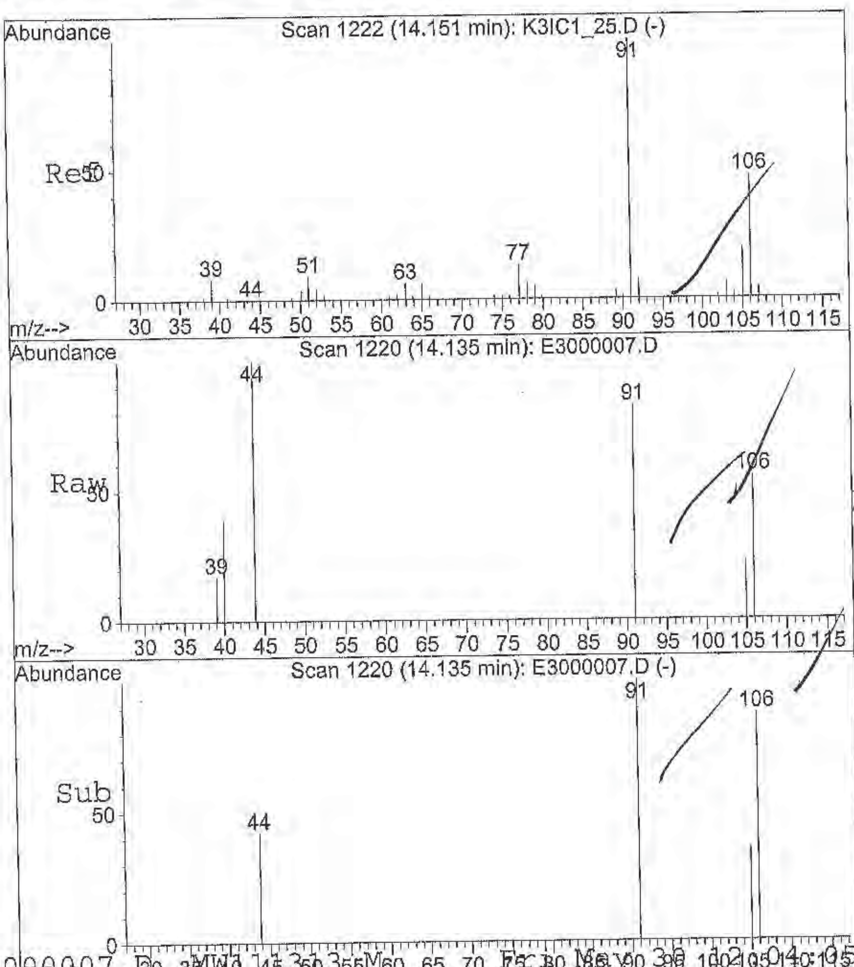




#51
Ethylbenzene
Concen: 0.13 ug/L
RT: 14.02 min Scan# 1206
Delta R.T. -0.01 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

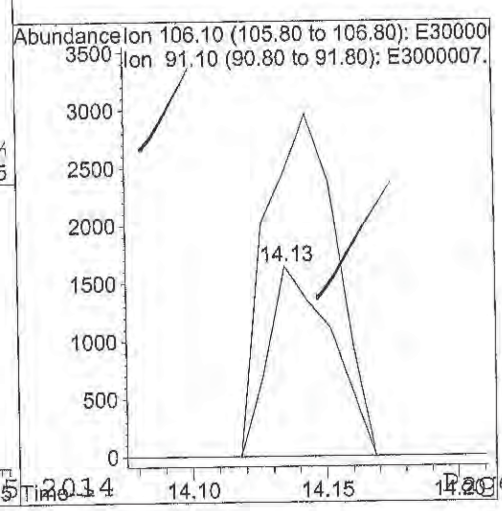
Tgt Ion: 91	Resp:		2618
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

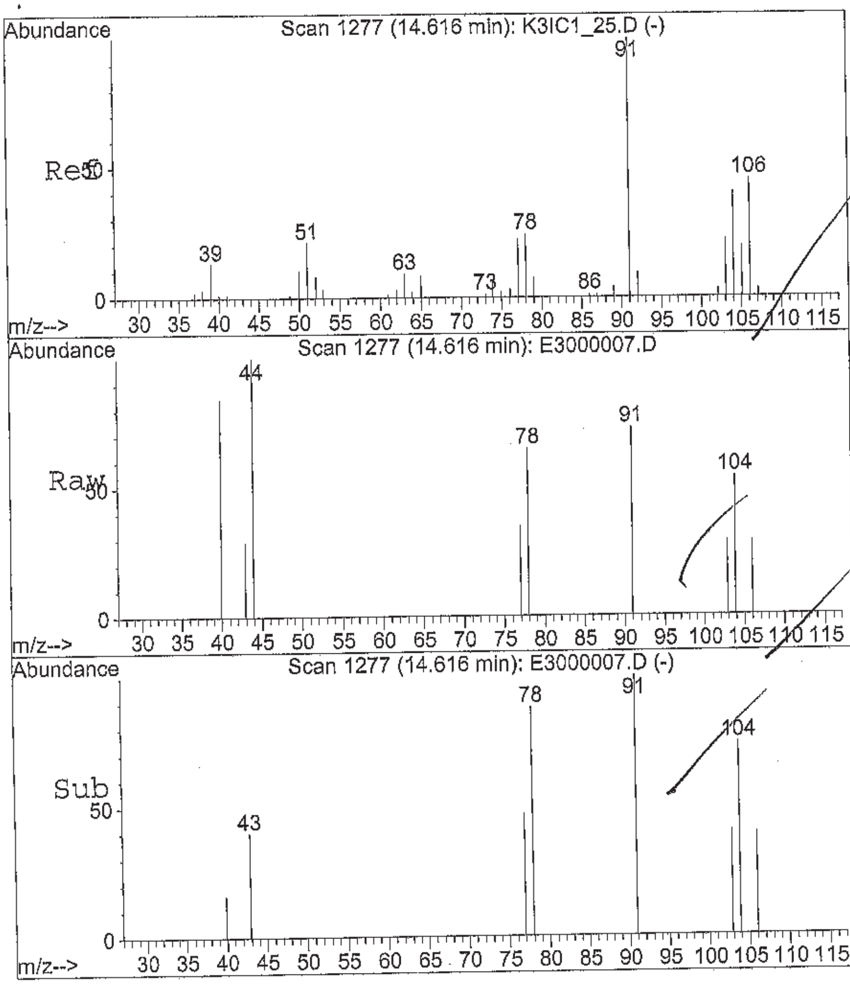




#52
m,p-Xylenes
Concen: 0.38 ug/L
RT: 14.13 min Scan# 1220
Delta R.T. -0.02 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion:106	Resp:		2707
Ion	Ratio	Lower	Upper
106	100		
91	201.8	177.1	265.7

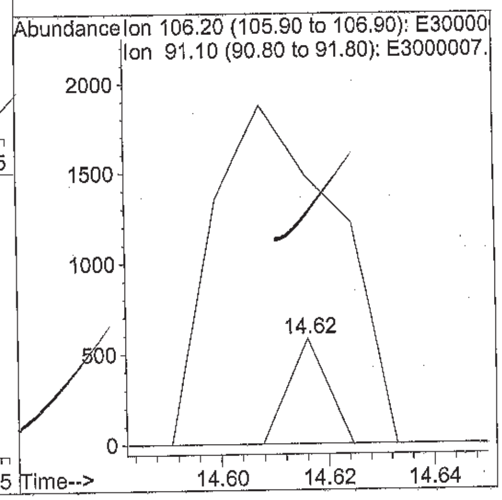


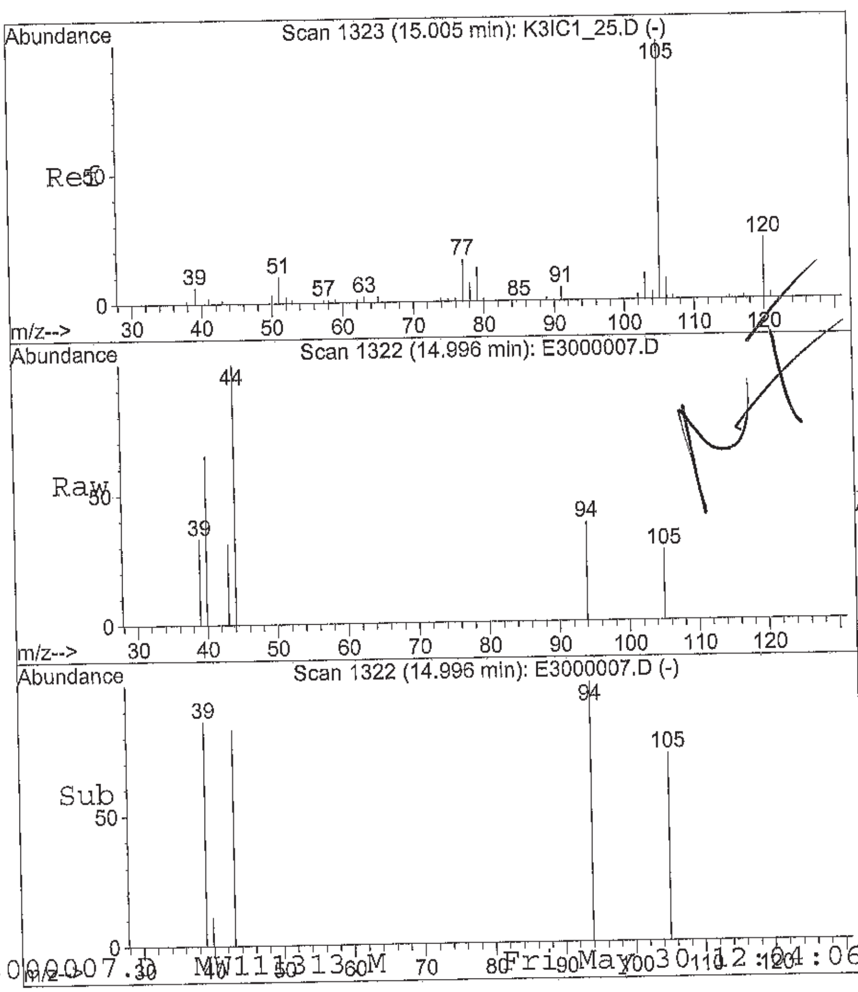


#53
o-Xylene
Concen: 0.04 ug/L
RT: 14.62 min Scan# 1277
Delta R.T. 0.00 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion:106 Resp: 294

Ion	Ratio	Lower	Upper
106	100		
91	1022.1	179.0	268.6#

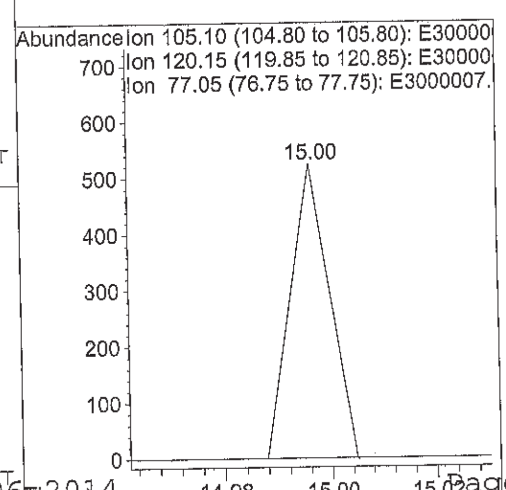


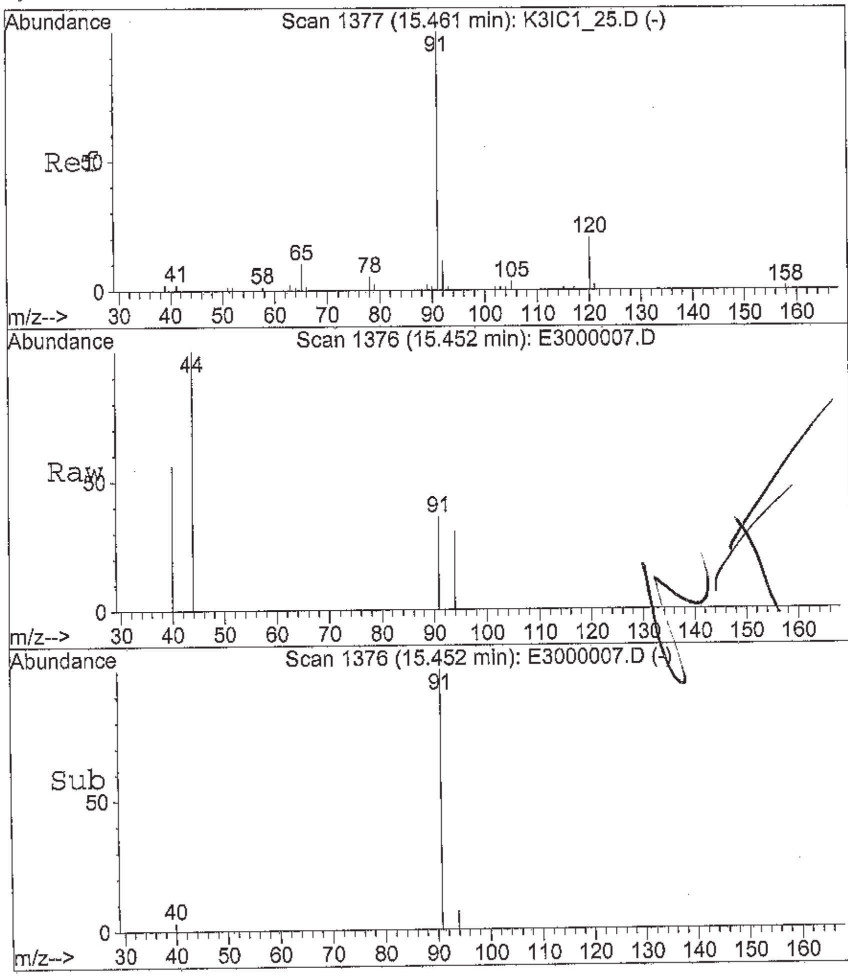


#56
Isopropylbenzene
Concen: 0.01 ug/L
RT: 15.00 min Scan# 1322
Delta R.T. -0.01 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion:105 Resp: 265

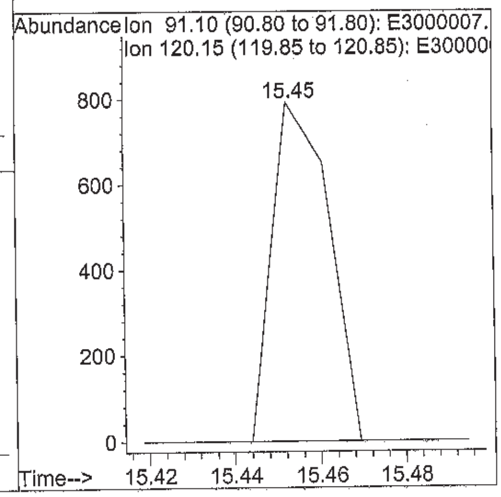
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

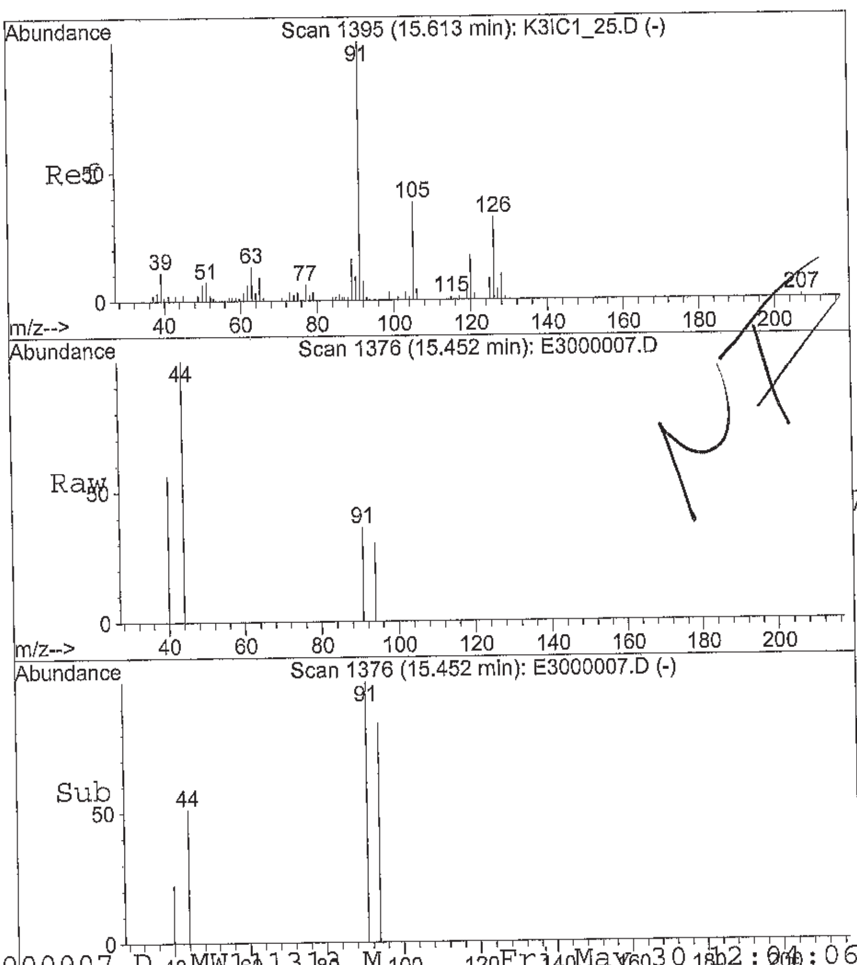




#62
n-Propylbenzene
Concen: 0.03 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.01 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

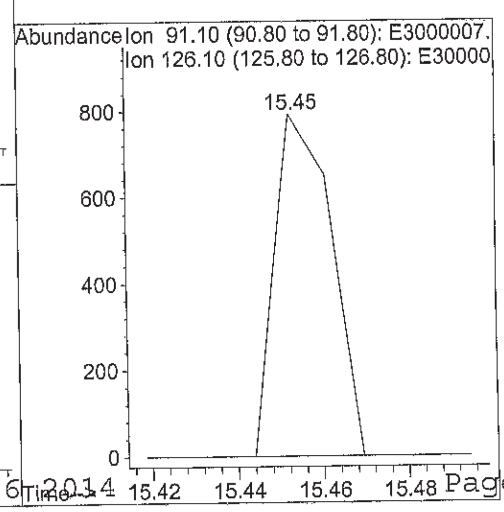
Tgt Ion: 91	Resp:		731
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

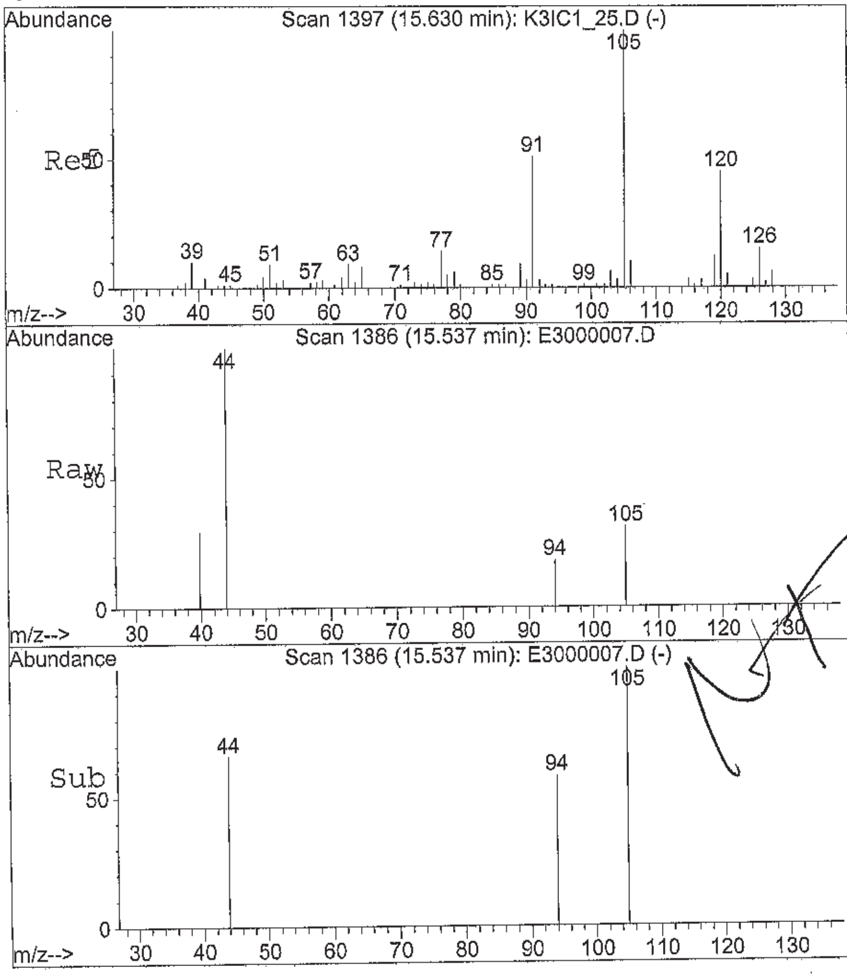




#63
2-Chlorotoluene
Concen: 0.04 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.16 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion: 91	Resp:		731
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

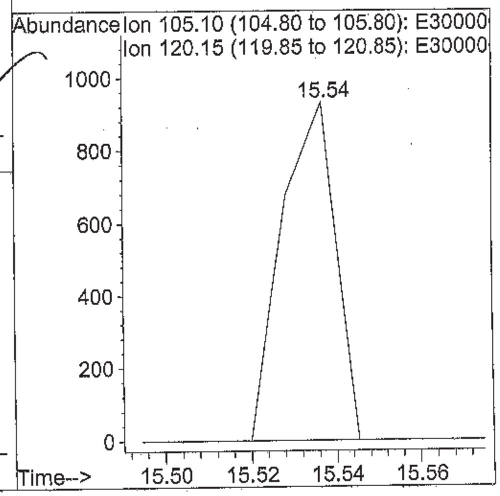


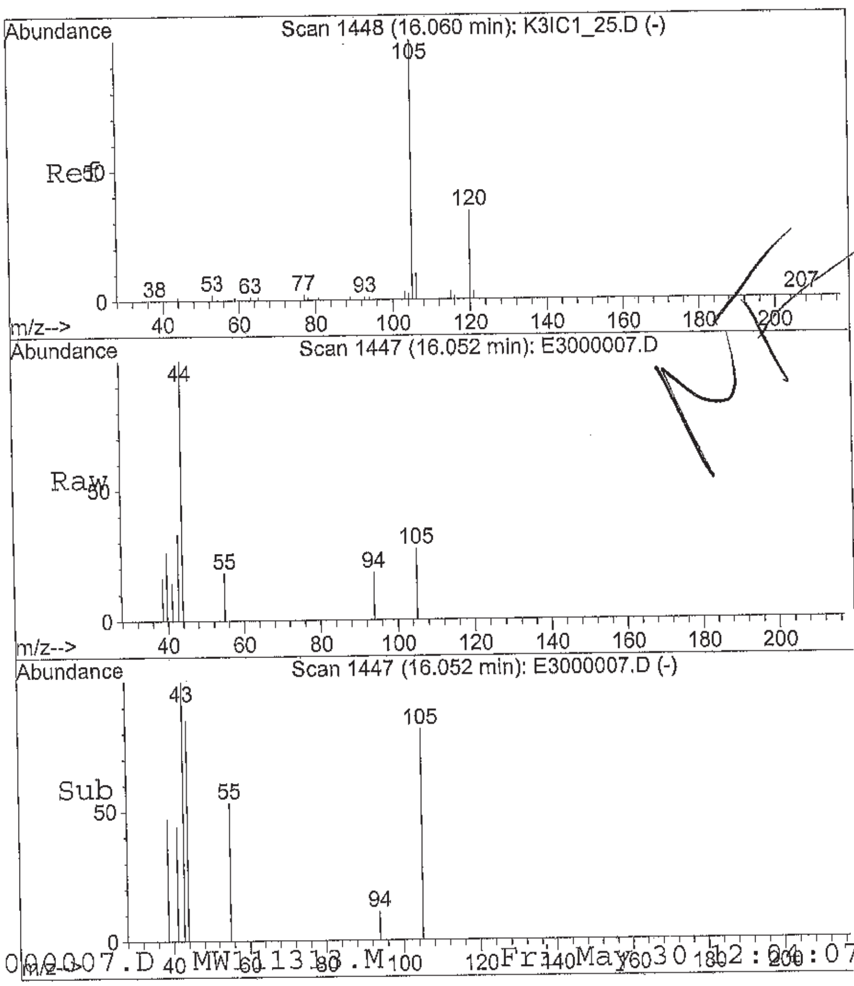


#64
1,3,5-Trimethylbenzene
Concen: 0.05 ug/L
RT: 15.54 min Scan# 1386
Delta R.T. -0.09 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion:105 Resp: 814

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

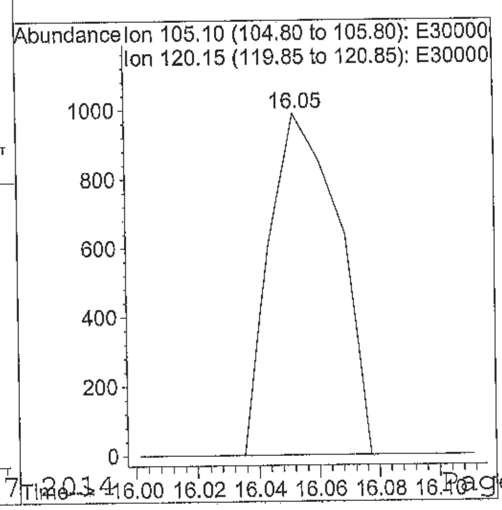


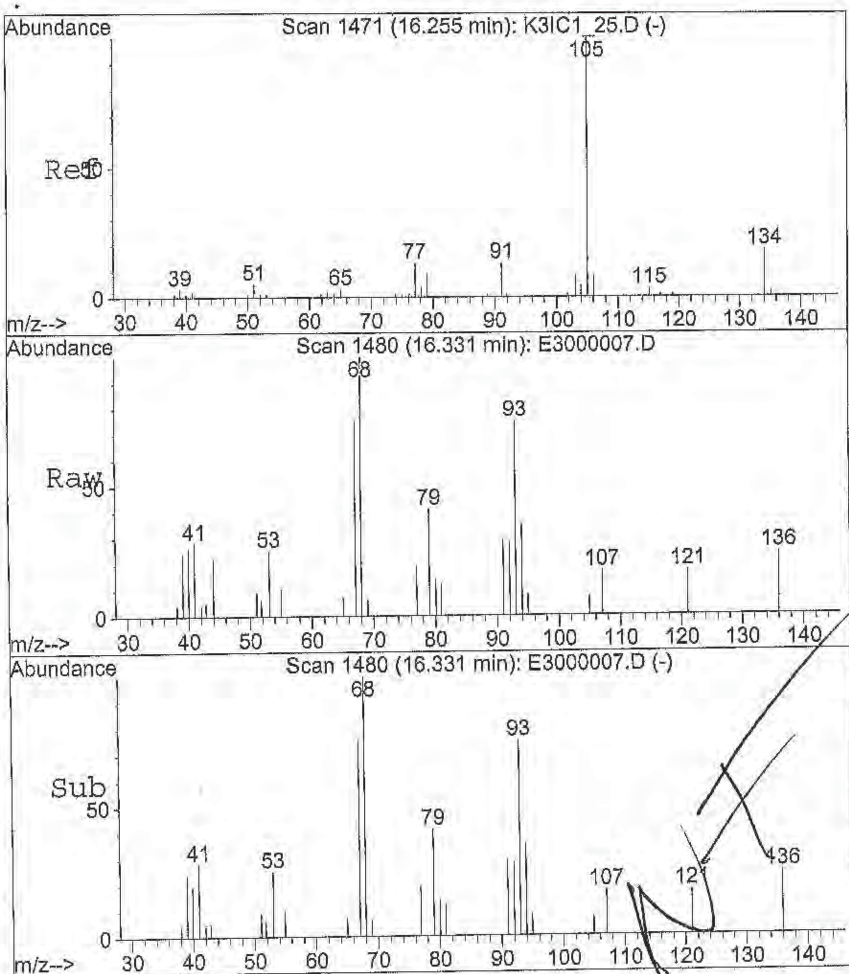


#67
1,2,4-Trimethylbenzene
Concen: 0.09 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. -0.01 min
Lab File: E3000007.D
Acq: 30 May 2014 11:29 am

Tgt Ion:105 Resp: 1564

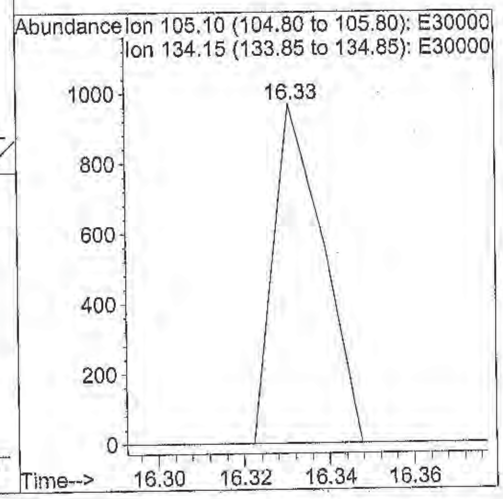
Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

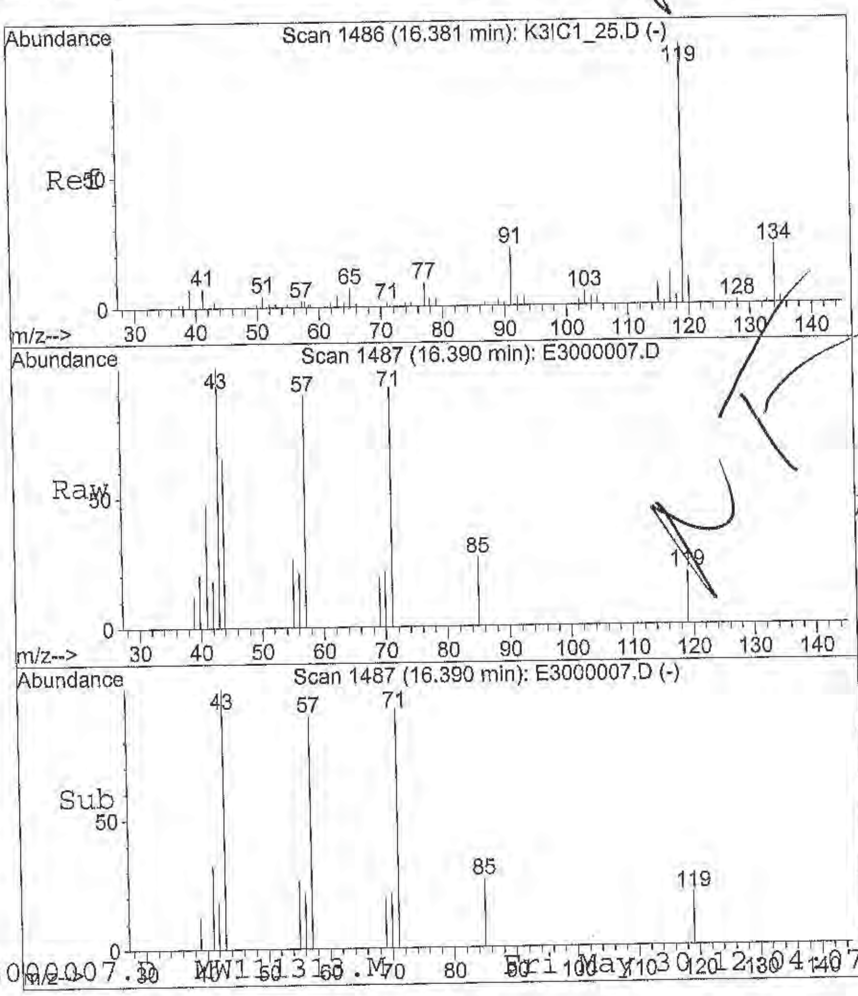




#68
sec-Butylbenzene
Concen: 0.03 ug/L
RT: 16.33 min   Scan# 1480
Delta R.T.   0.08 min
Lab File: E3000007.D
Acq: 30 May 2014   11:29 am

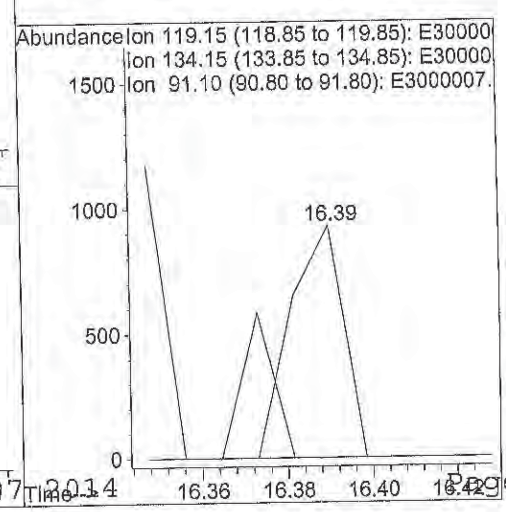
Tgt Ion:105	Resp:		775
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.04 ug/L
RT: 16.39 min   Scan# 1487
Delta R.T.   0.01 min
Lab File: E3000007.D
Acq: 30 May 2014   11:29 am

Tgt Ion:119	Resp:		801
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	37.1	19.6	29.4#



Data File : C:\HPCHEM\1\DATA\053014L3\E3000007.D Vial: 6
Acq On : 30 May 2014 11:29 am Operator: DN
Sample : 3E43001-06 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:06 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.28	96	1576971	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1287440	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	706098	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	450027	10.97	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.76%			
3) Chloroform-d (SU6)	9.18	84	667213	11.34	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 90.72%			
4) Methylene Chloride-d2 (SU5	7.06	86	378142	10.99	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 87.92%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	421759	15.05	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 120.40%			
6) Benzene-d6 (SU7)	9.92	84	1312187	10.60	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 84.80%			
8) Toluene-d8 (SU3)	12.20	98	1414113	11.58	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 92.64%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	719694	14.27	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 114.16%			

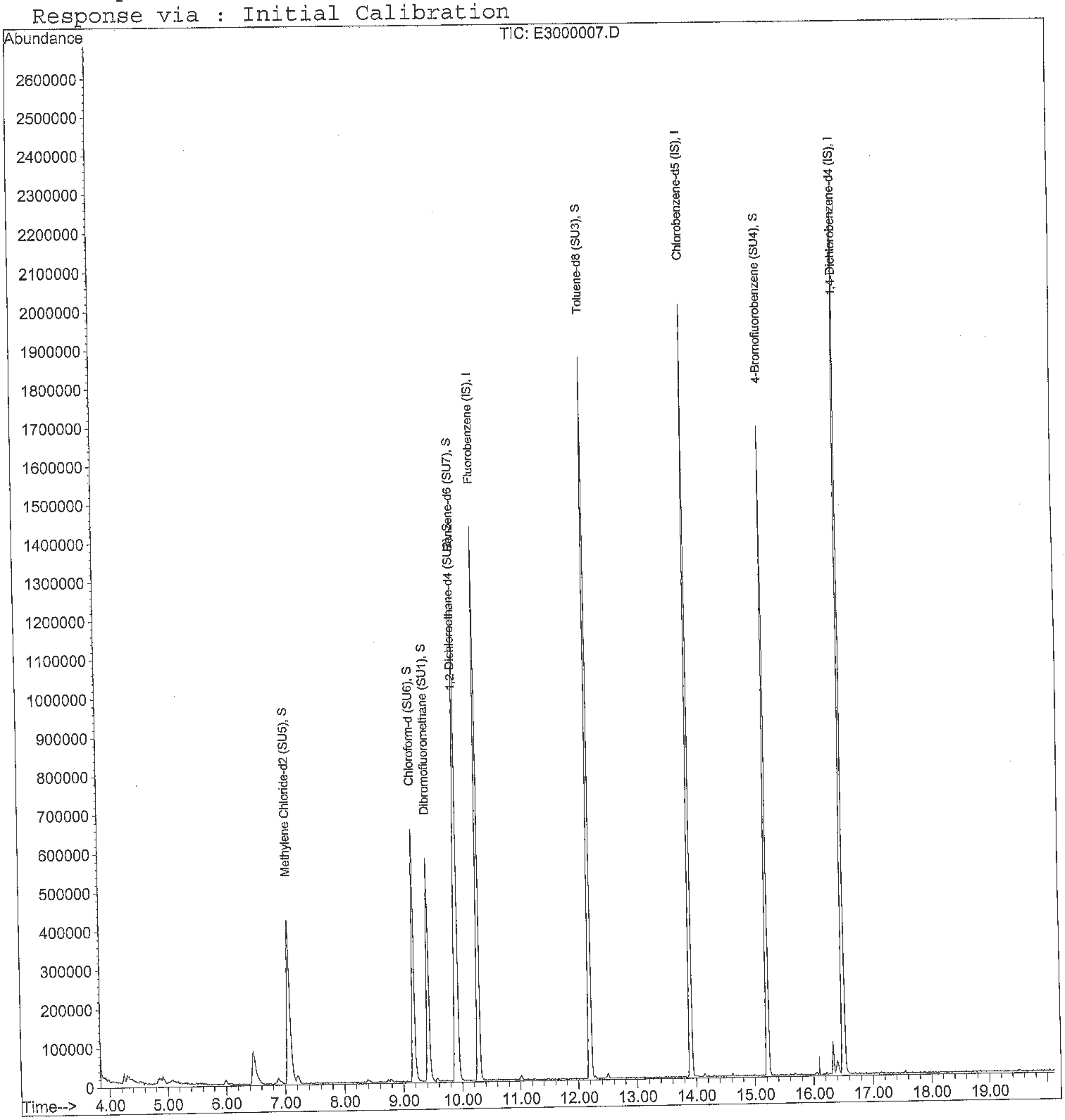
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000007.D Vial: 6
Acq On : 30 May 2014 11:29 am Operator: DN
Sample : 3E43001-06 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:06 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\053014L3\E3000008.D Vial: 7
Acq On : 30 May 2014 12:00 pm Operator: DN
Sample : 3E43001-07 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:37 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.28	96	1378002	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1166367	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	644664	12.50 ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	400617	11.66 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 93.28%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	388772	11.90 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 95.20%	
39) Toluene-d8 (SU3)	12.20	98	1237843	11.38 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 91.04%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	660165	13.84 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 110.72%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	260	0.08 ~~ug/L~~ # NR	44
4) Chloromethane	4.40	50	3865	0.45 ~~ug/L~~ #	60
6) Bromomethane	5.06	96	10477	5.13 ~~ug/L~~	91
7) Chloroethane	5.22	64	596	1.21 ~~ug/L~~ #	32
8) (F11) Trichlorofluorometha	5.62	101	347	0.09 ~~ug/L~~ #	16
11) Acetone	6.46	58	6146	6.68 ~~ug/L~~	99
12) (IPA) Leak Check Compound	6.47	45	231178	1396.11 ~~ug/L~~ # NR	82
13) Carbon disulfide	6.84	76	17829	1.56 ~~ug/L~~ NR	100
14) Methylene Chloride	7.07	84	5767	1.52 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.94	59	306	1.30 ~~ug/L~~ #	77
24) Chloroform	9.21	83	1028	0.14 ~~ug/L~~ # NR	18
25) (ETBE) 2-ethoxy 2-methyl p	8.49	59	2419	0.24 ~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.57	75	574	0.11 ~~ug/L~~ #	1
31) Benzene	9.97	78	8345	0.64 ~~ug/L~~ #	80
32) 1,2-Dichloroethane	9.92	62	5894	1.28 ~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	8201	3.52 ~~ug/L~~ #	100
41) Toluene	12.28	91	22320	1.40 ug/L 0.028	93
46) 2-Hexanone	12.99	43	294	0.12 ~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	7894	0.44 ug/L # 0.0088	72
52) m,p-Xylenes	14.14	106	9611	1.50 ug/L ~~0.003~~	87 0.03
53) o-Xylene	14.62	106	2719	0.43 ug/L 0.0086	73
54) Styrene	14.63	104	2387	-0.61 ~~ug/L~~ # NR	69

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E3000008.D Vial: 7
Acq On : 30 May 2014 12:00 pm Operator: DN
Sample : 3E43001-07 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:37 19114 Quant Results File: MW111313.RES

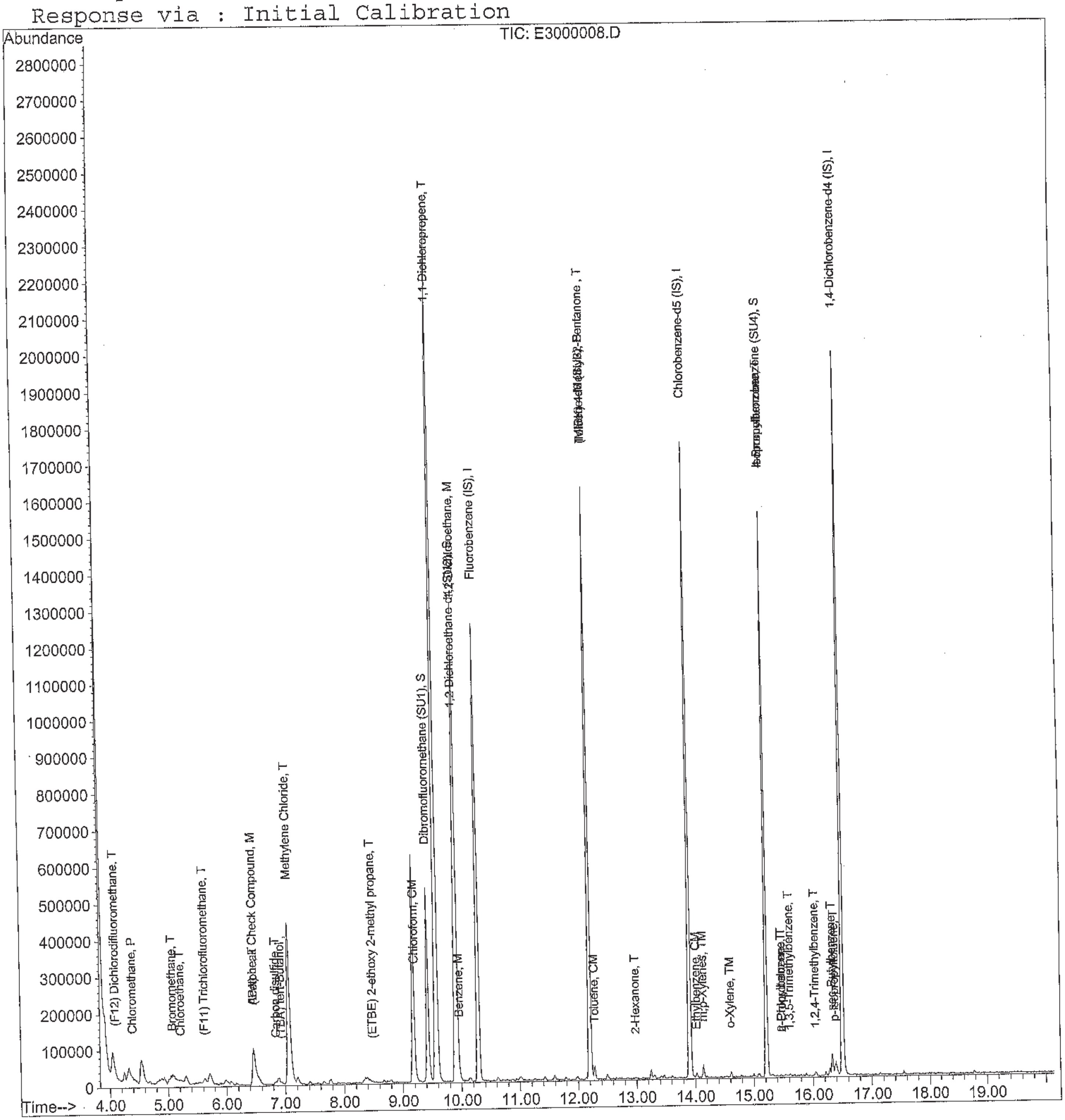
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

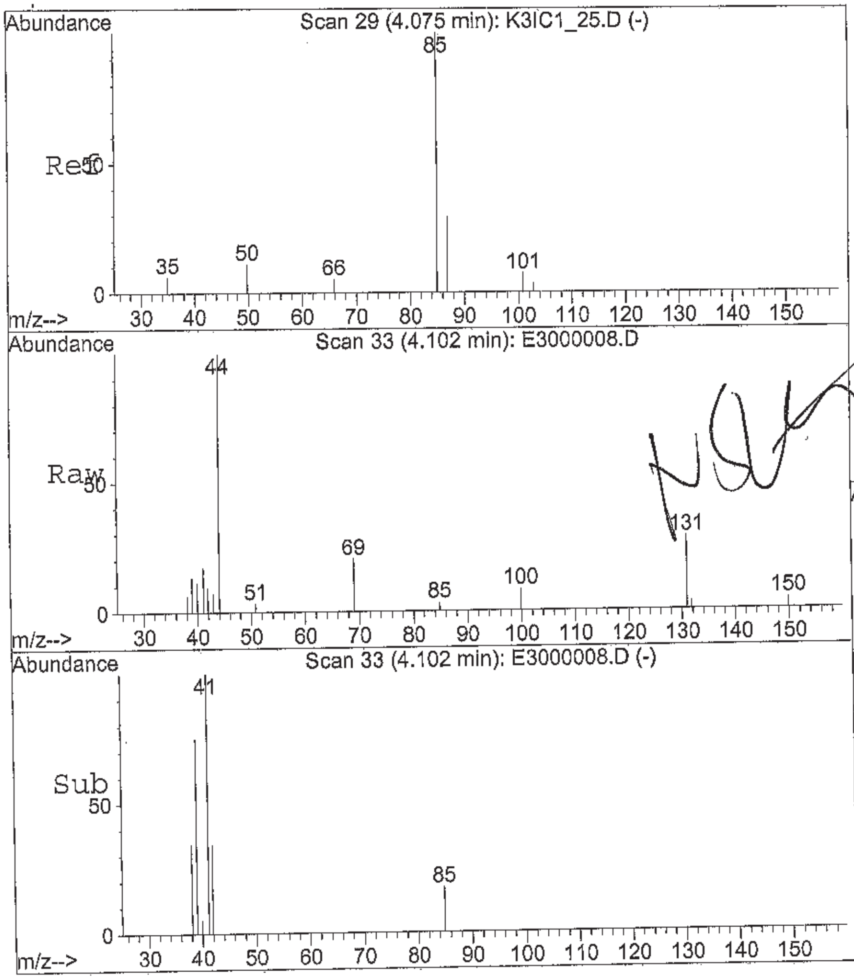
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
56)	Isopropylbenzene	15.21	105	968	0.06	~~ug/L~~ #	1
62)	n-Propylbenzene	15.47	91	1736	0.07	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.47	91	1736	0.11	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.62	105	2375	0.15	~~ug/L~~ #	69
67)	1,2,4-Trimethylbenzene	16.05	105	5315	0.32	~~ug/L~~ #	78
68)	sec-Butylbenzene	16.33	105	340	0.02	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.37	119	667	0.04	~~ug/L~~ #	52

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E3000008.D
Vial: 7
Acq On : 30 May 2014 12:00 pm
Operator: DN
Sample : 3E43001-07
Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-11.0-12.0
Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:37 19114
Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

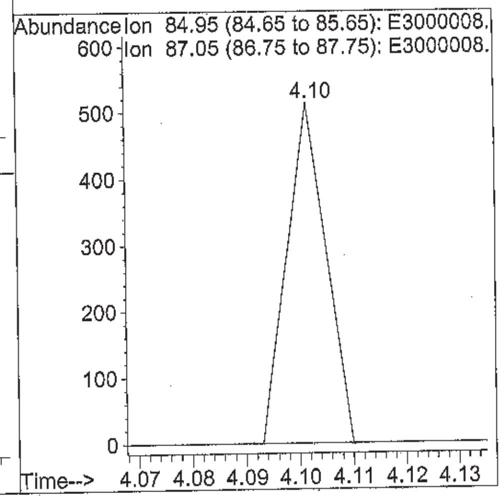


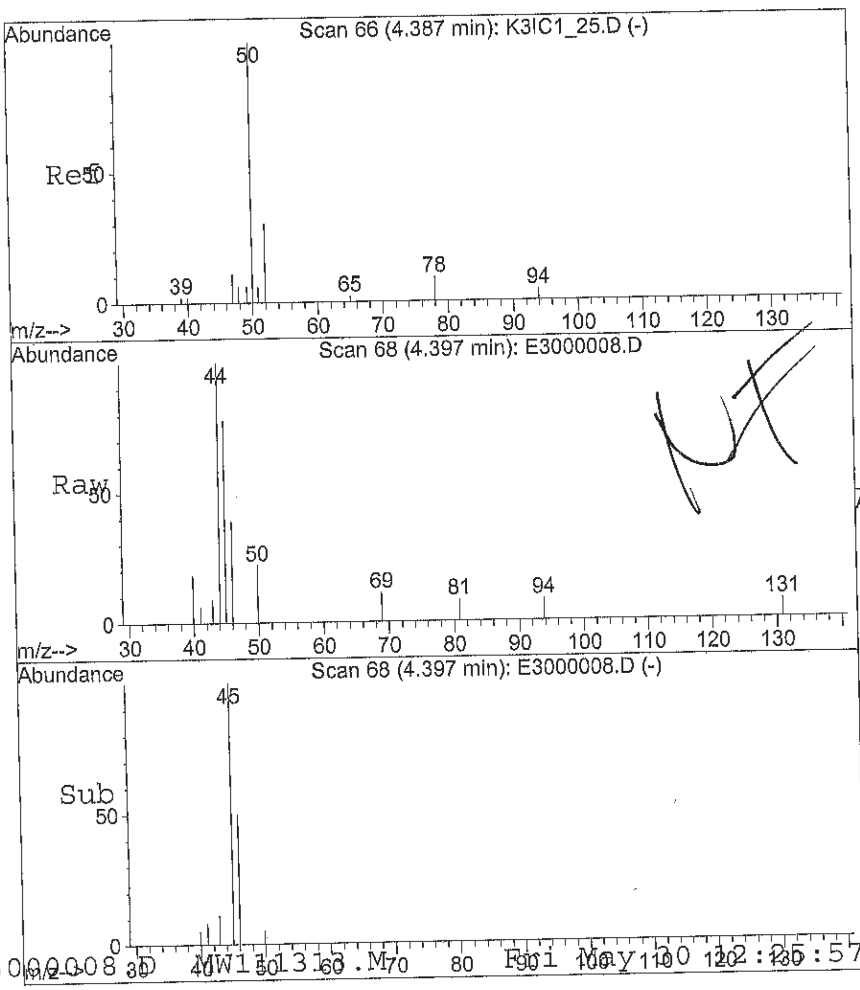


#3
(F12) Dichlorodifluoromethane
Concen: 0.08 ug/L
RT: 4.10 min Scan# 33
Delta R.T. 0.03 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 85 Resp: 260

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

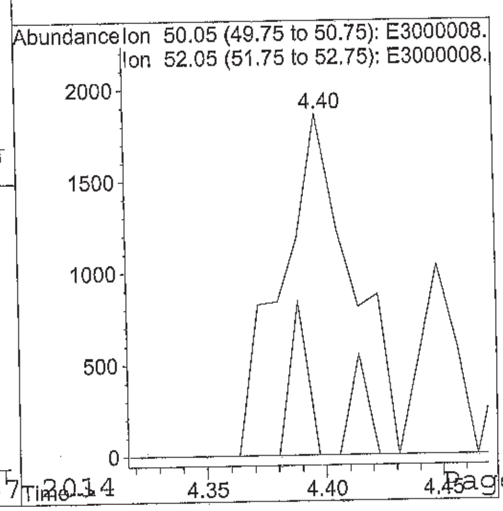


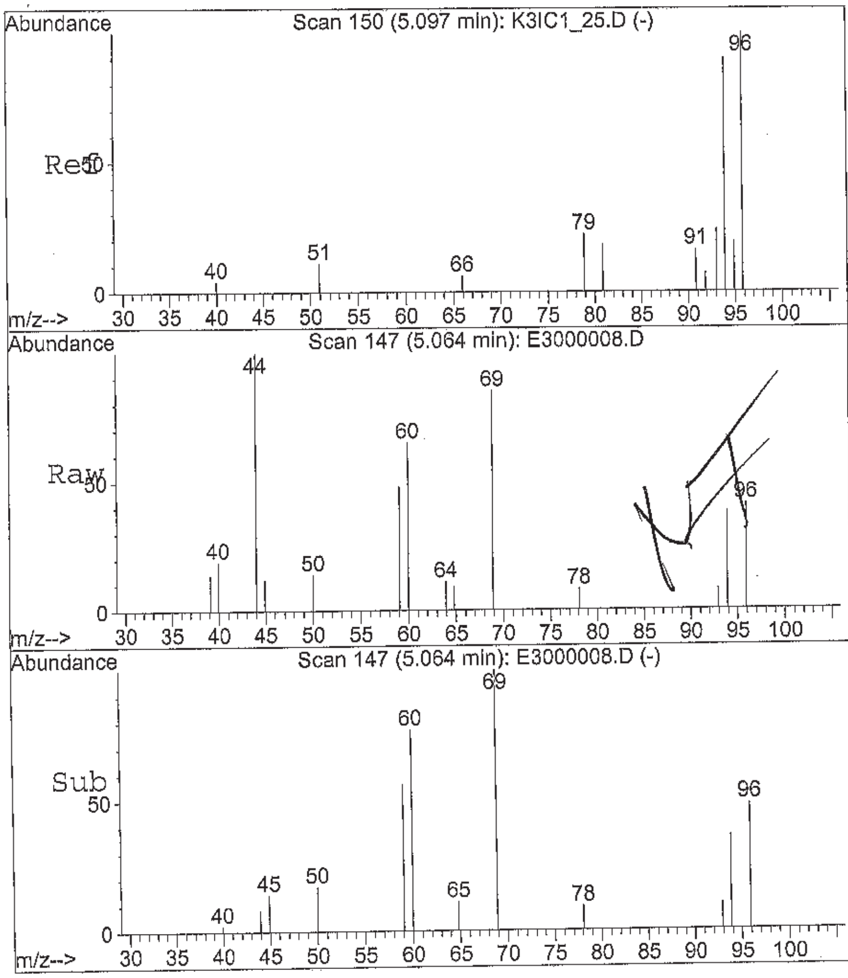


#4
Chloromethane
Concen: 0.45 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 50 Resp: 3865

Ion	Ratio	Lower	Upper
50	100		
52	11.0	26.9	40.3#

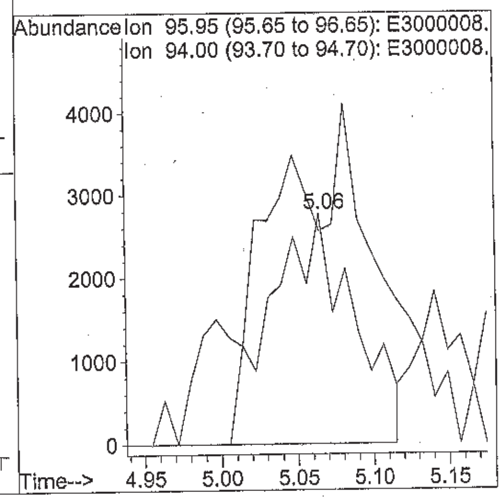


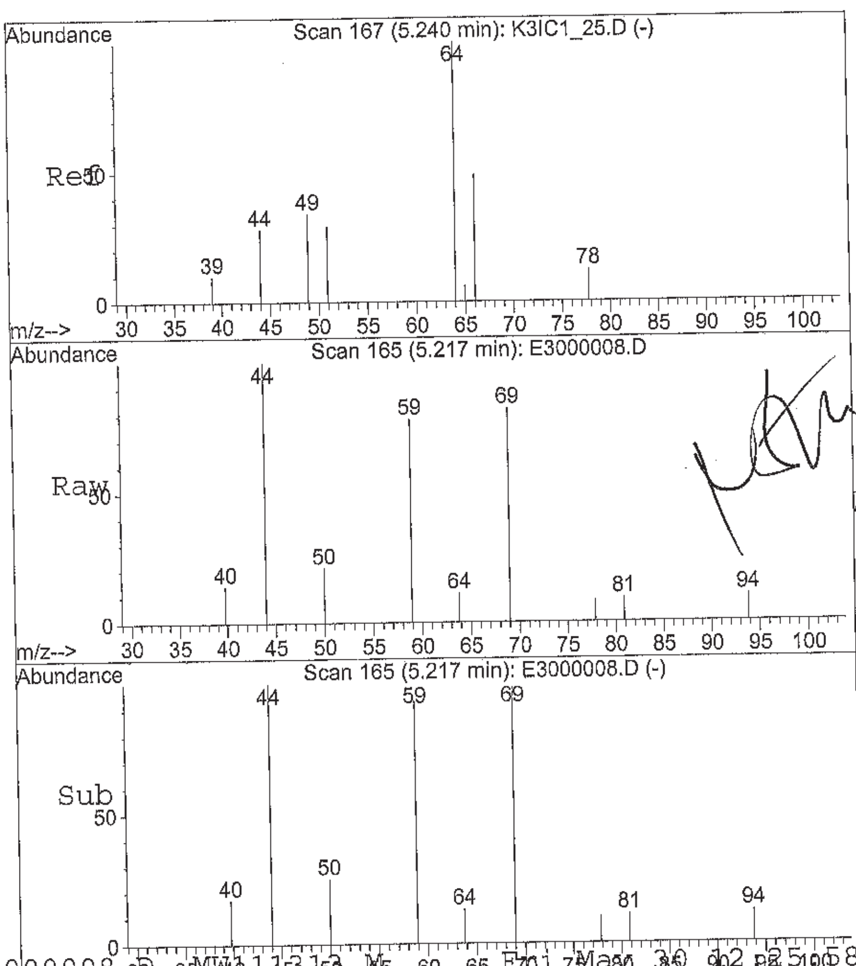


#6
Bromomethane
Concen: 5.13 ug/L
RT: 5.06 min Scan# 147
Delta R.T. -0.03 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 96 Resp: 10477

Ion	Ratio	Lower	Upper
96	100		
94	115.8	101.0	151.4

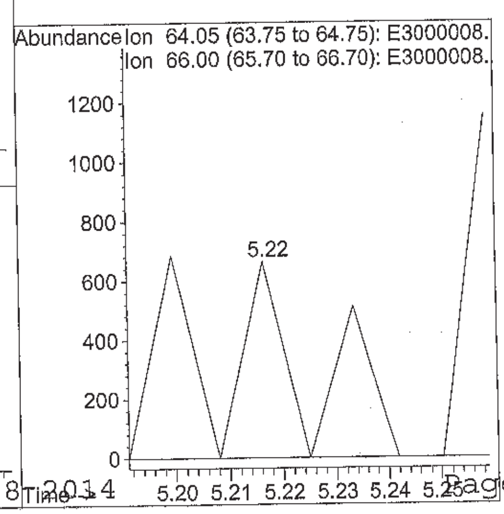


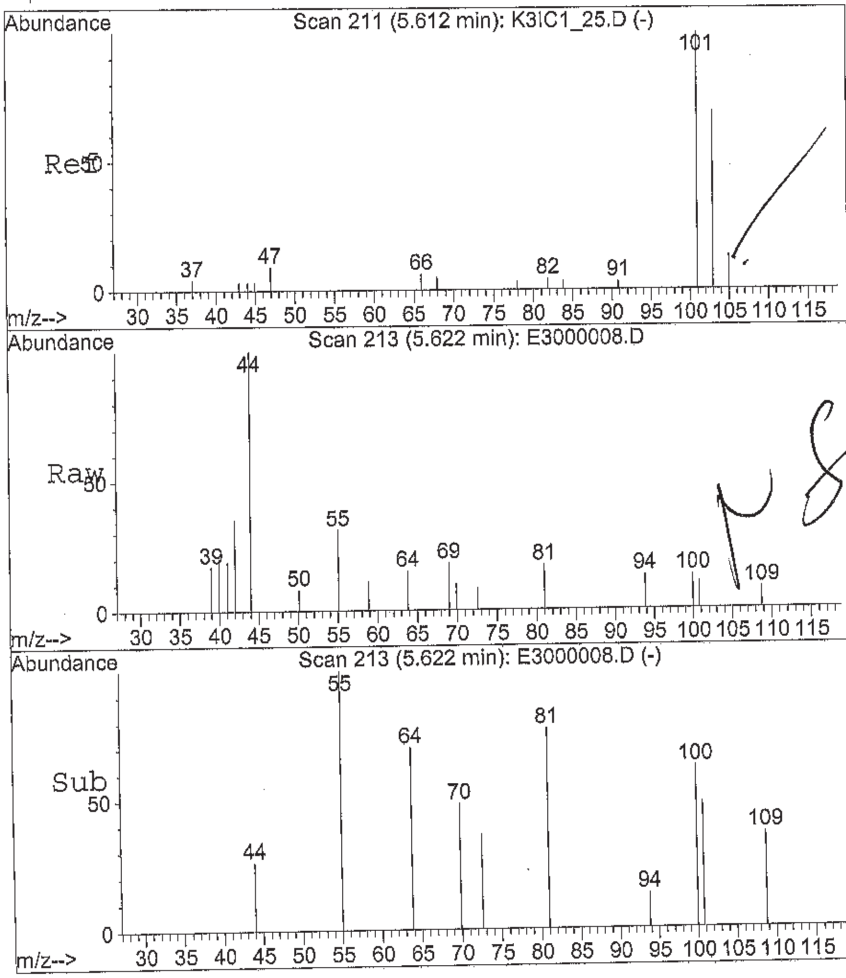


#7
Chloroethane
Concen: 1.21 ug/L
RT: 5.22 min Scan# 165
Delta R.T. -0.02 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 64 Resp: 596

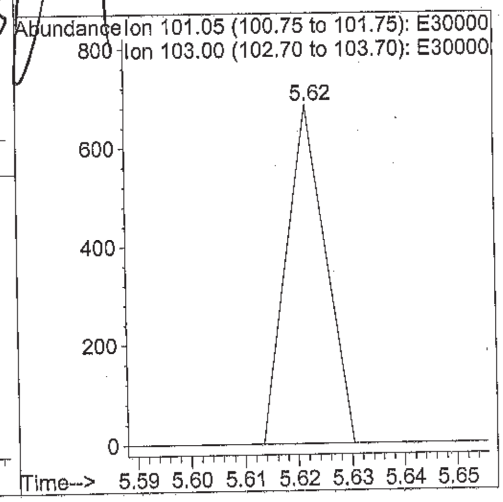
Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

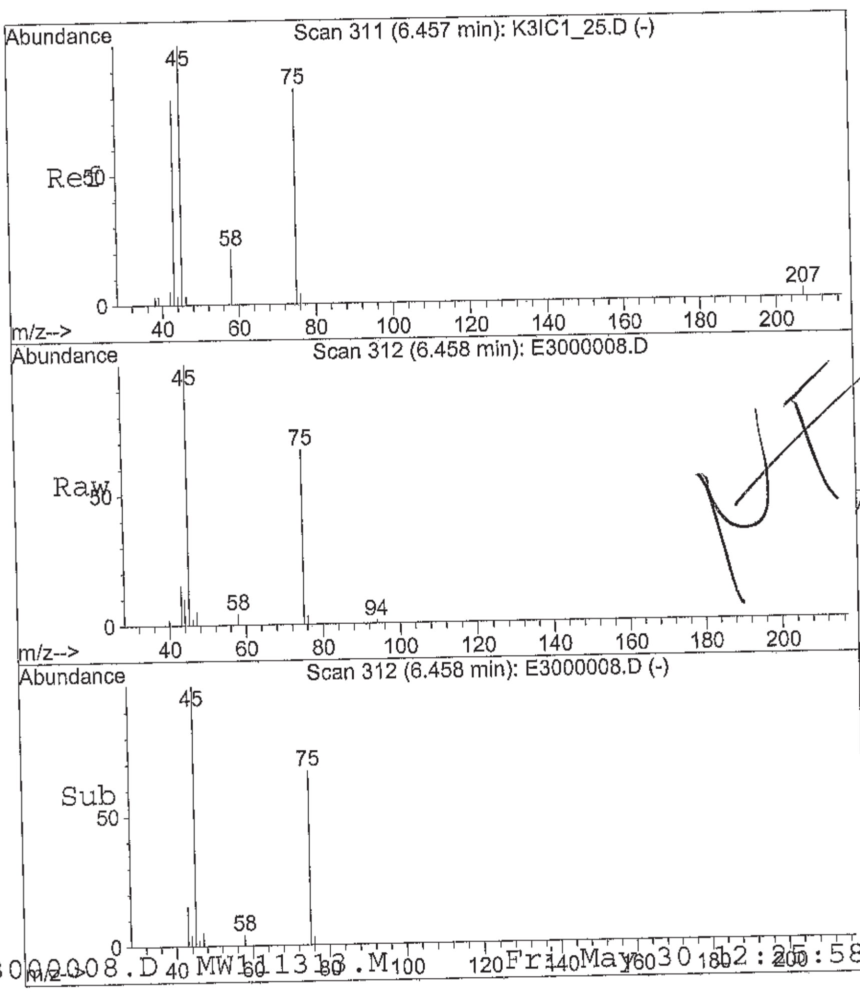




#8
(F11) Trichlorofluoromethane
Concen: 0.09 ug/L
RT: 5.62 min Scan# 213
Delta R.T. 0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

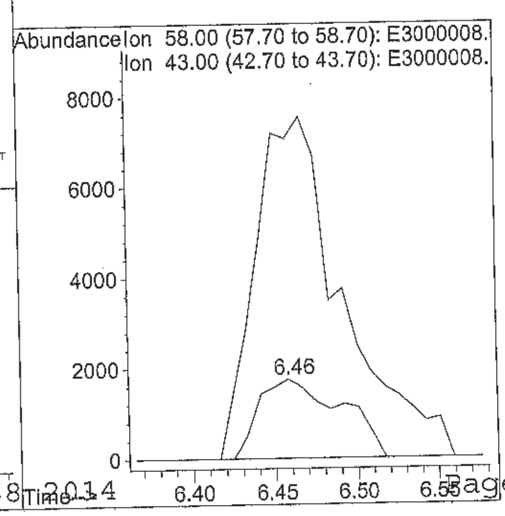
Tgt Ion:101	Resp:		347
Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.5	81.7#

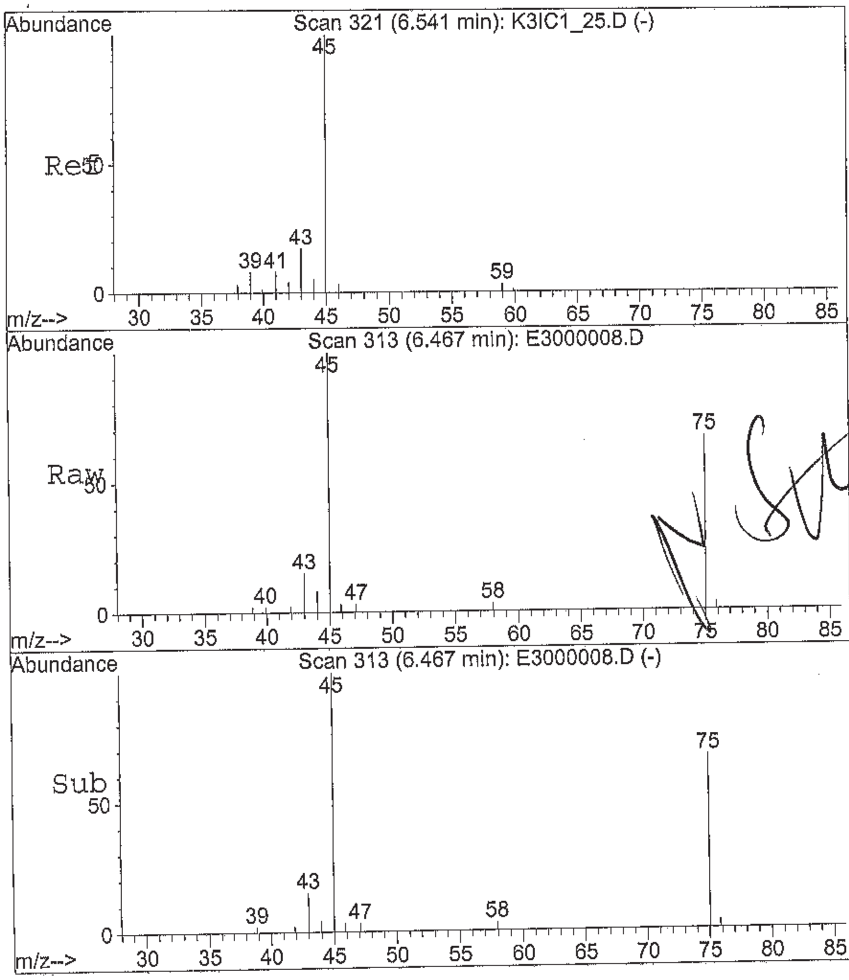




#11
Acetone
Concen: 6.68 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 58	Resp:		6146
Ion	Ratio	Lower	Upper
58	100		
43	454.6	360.9	541.3

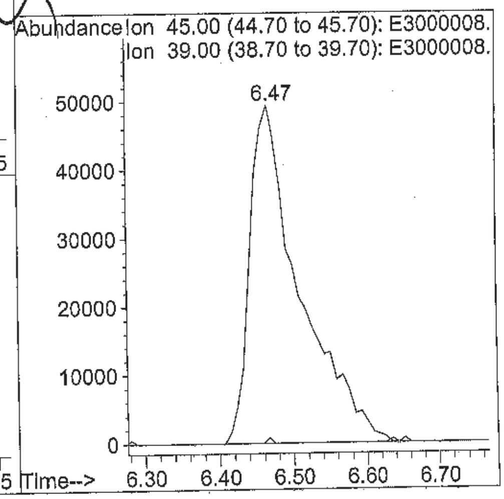


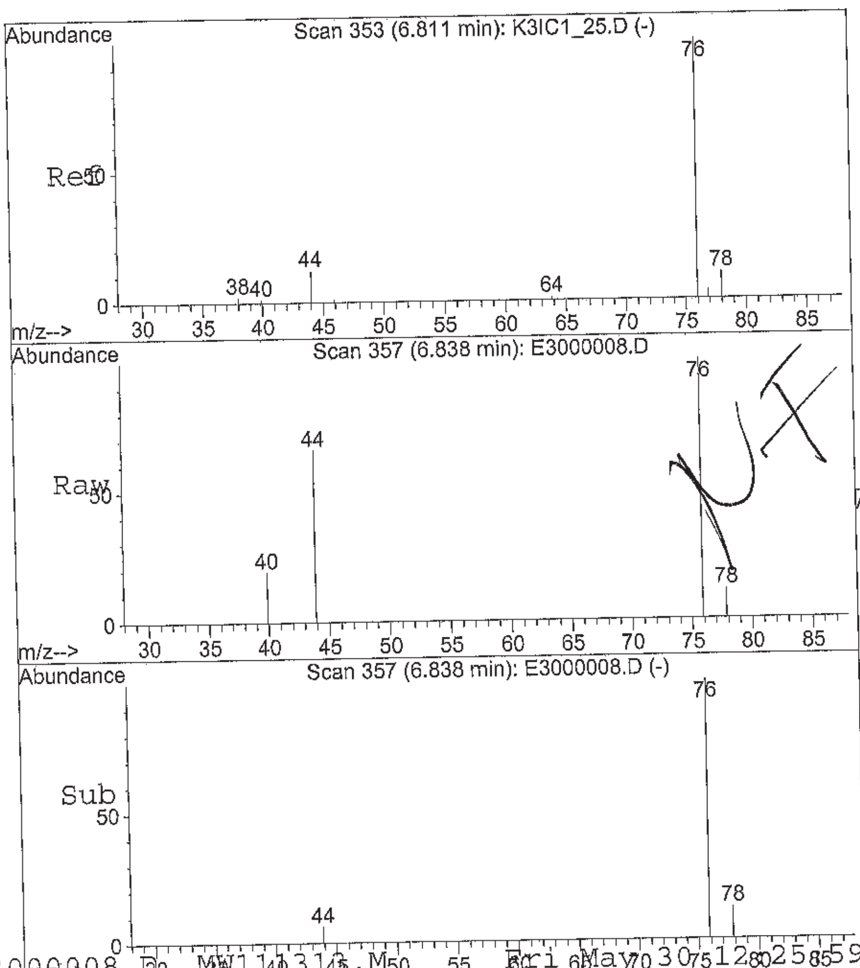


#12
(IPA) Leak Check Compound
Concen: 1396.11 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 45 Resp: 231178

Ion	Ratio	Lower	Upper
45	100		
39	0.2	4.9	7.3#

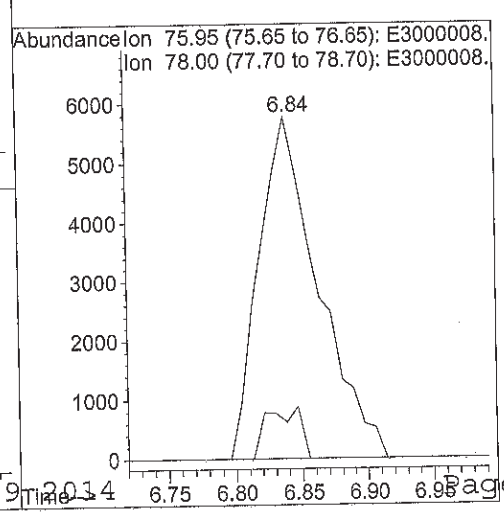


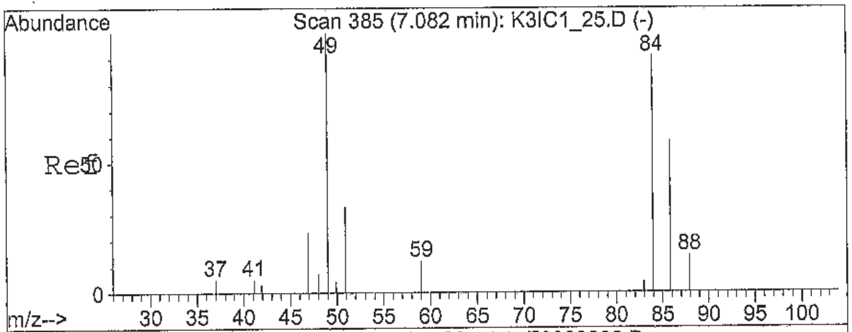


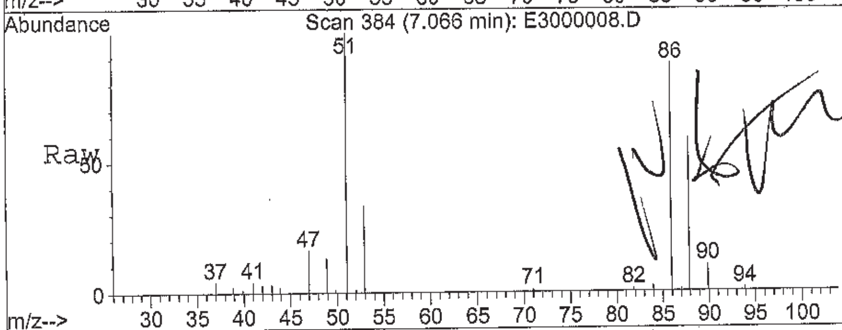
#13
Carbon disulfide
Concen: 1.56 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

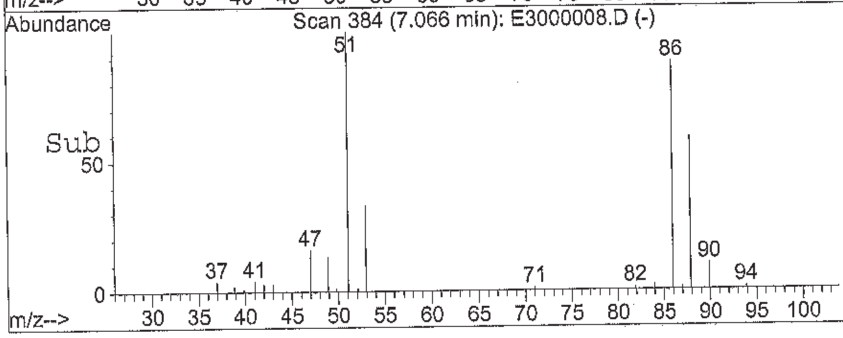
Tgt Ion: 76 Resp: 17829

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4





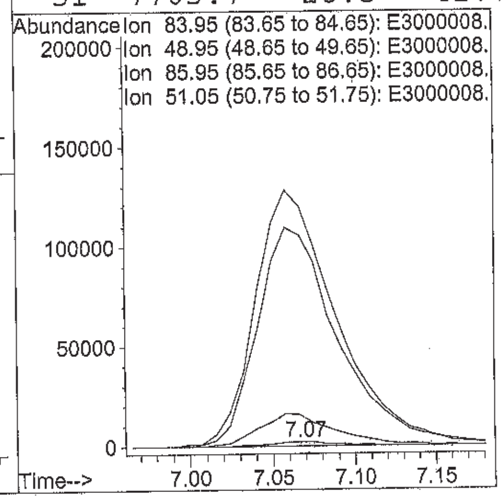


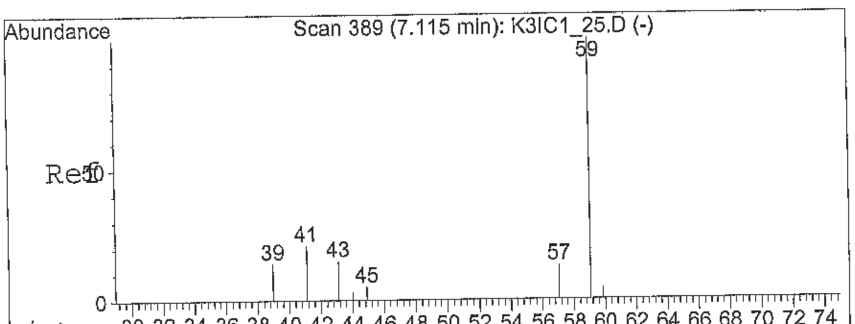


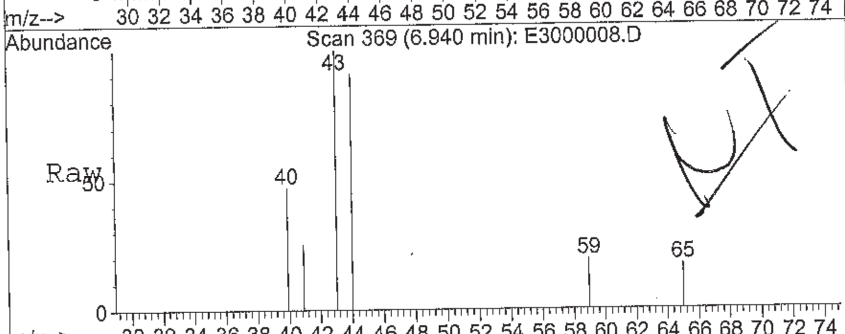
#14
Methylene Chloride
Concen: 1.52 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.02 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

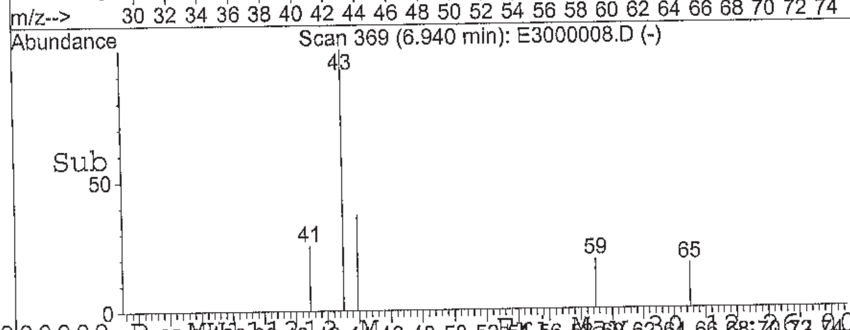
Tgt Ion: 84 Resp: 5767

Ion	Ratio	Lower	Upper
84	100		
49	896.2	89.8	134.6#
86	6528.4	51.1	76.7#
51	7703.7	28.5	42.7#





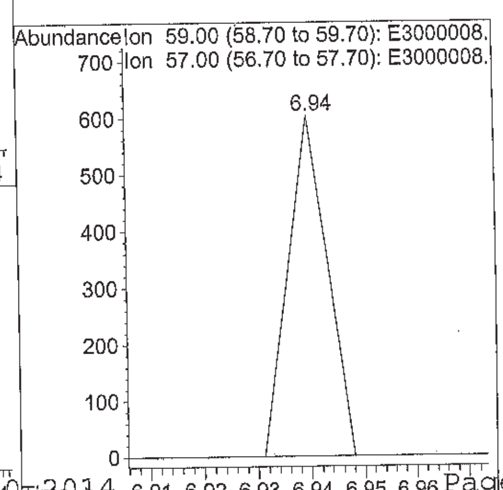


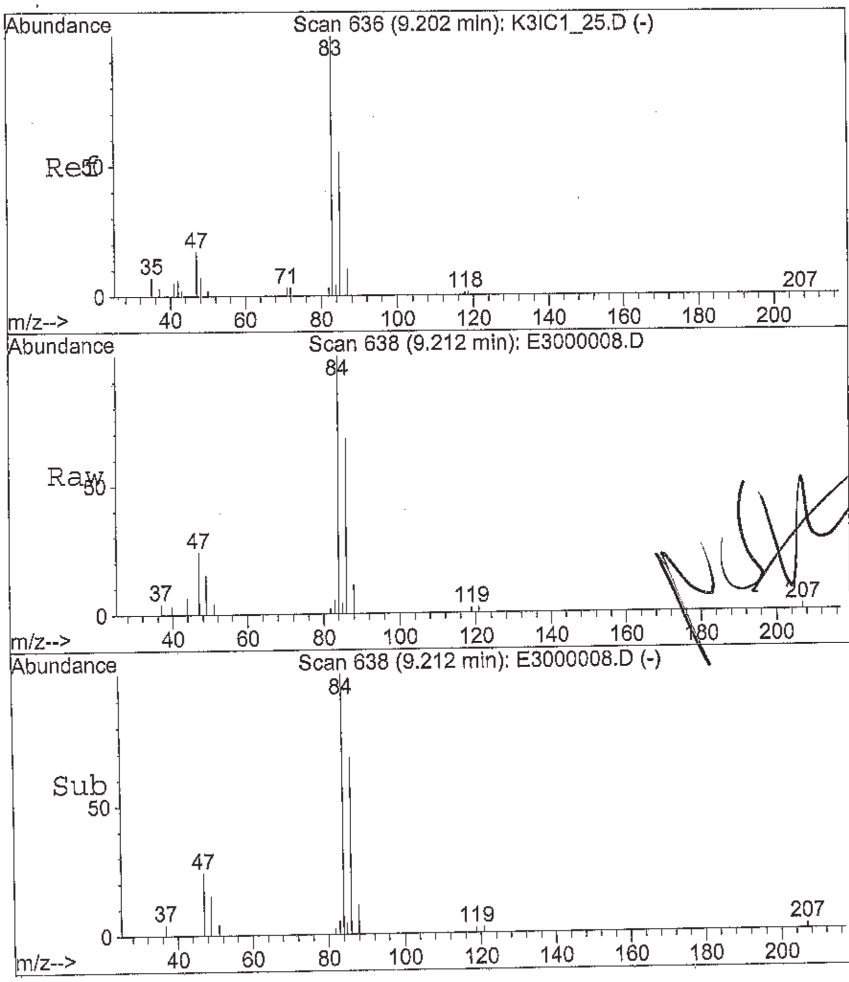


#15
(TBA) tert-Butanol
Concen: 1.30 ug/L
RT: 6.94 min Scan# 369
Delta R.T. -0.18 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 59 Resp: 306

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

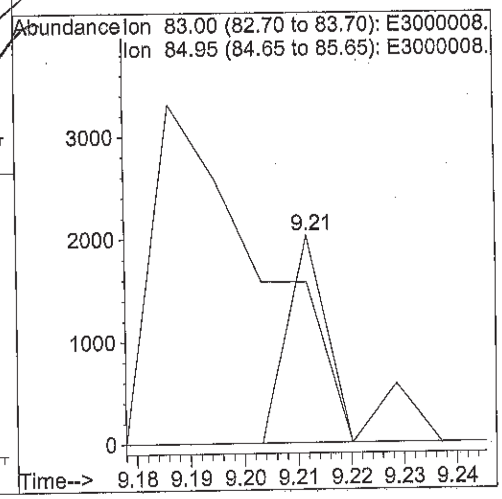


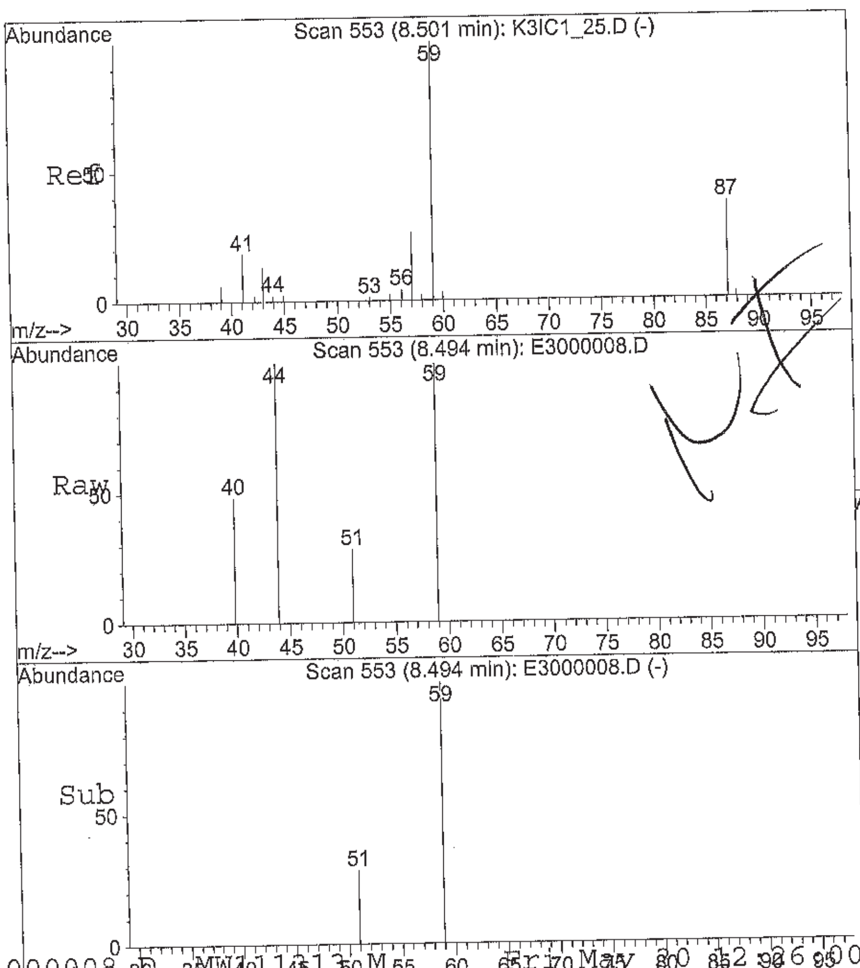


#24
Chloroform
Concen: 0.14 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 83 Resp: 1028

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

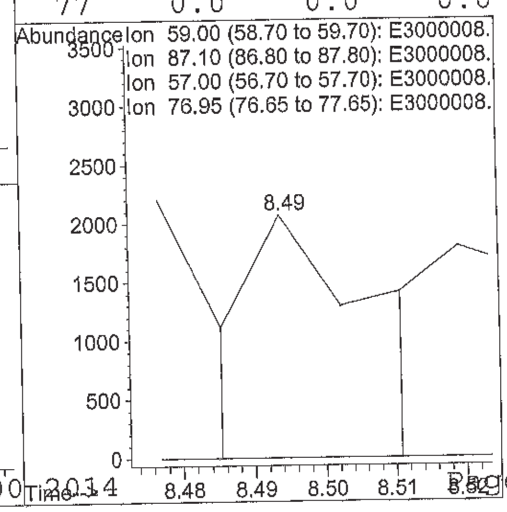


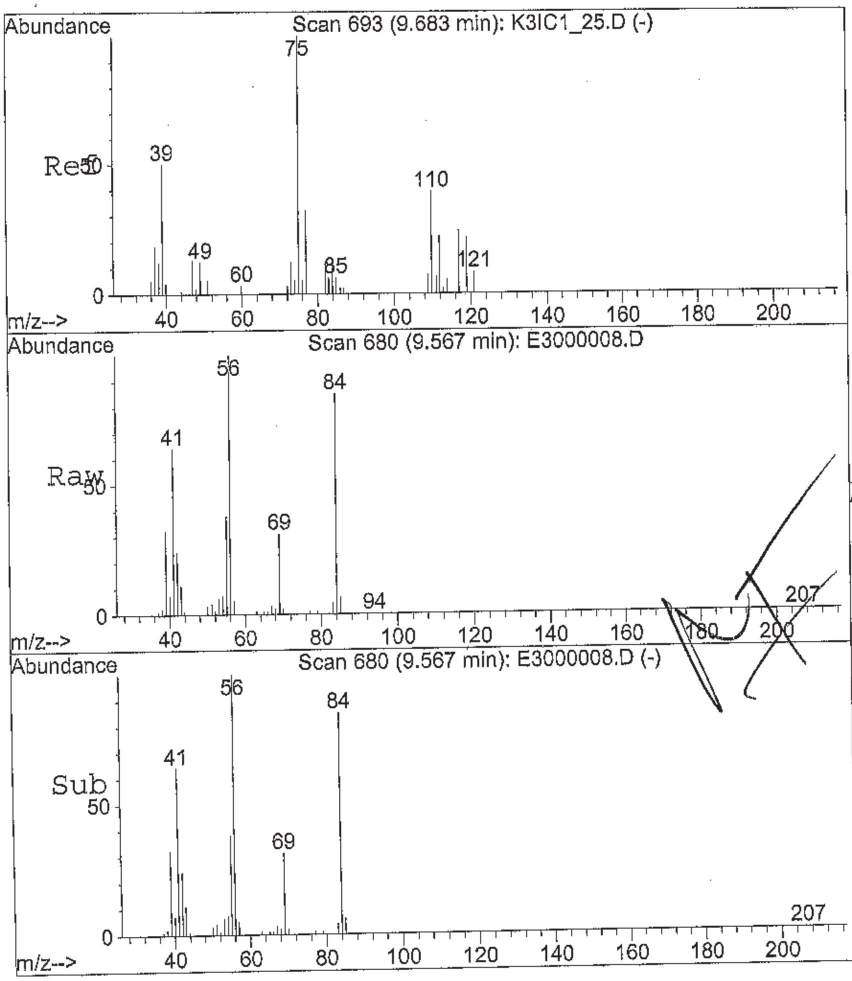


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.24 ug/L
RT: 8.49 min Scan# 553
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 59 Resp: 2419

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

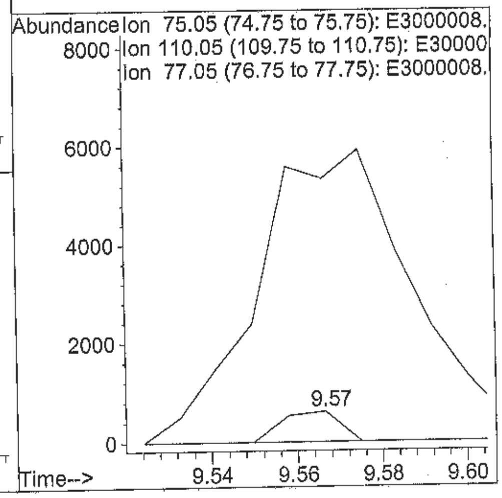


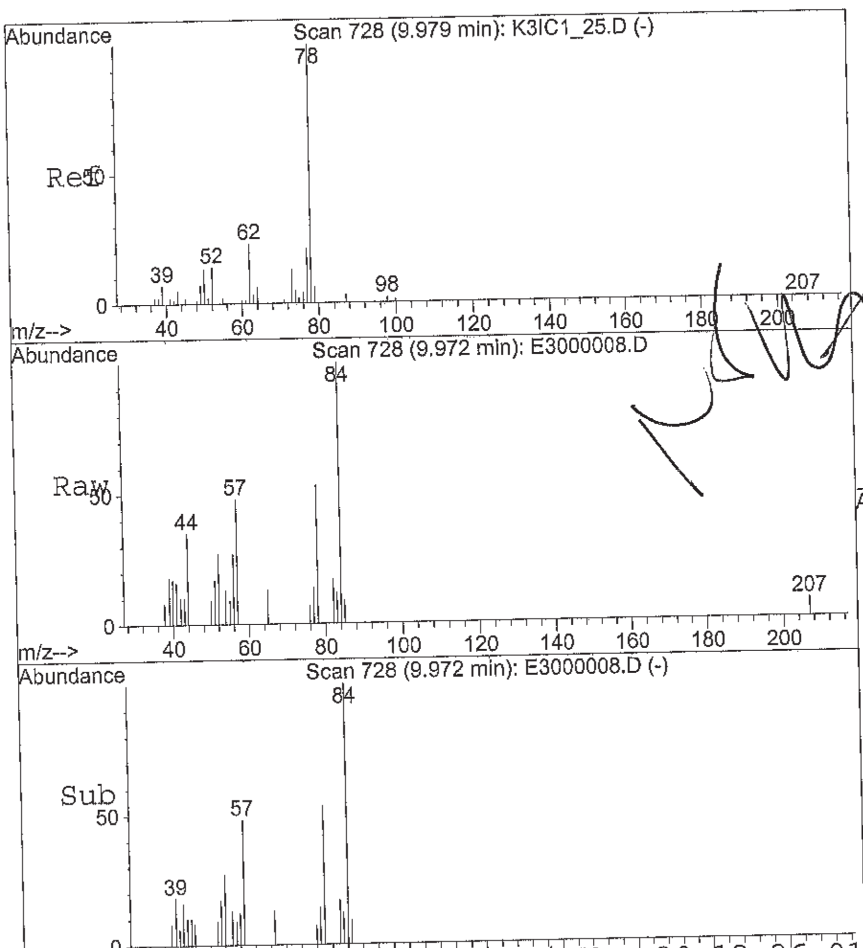


#29
1,1-Dichloropropene
Concen: 0.11 ug/L
RT: 9.57 min Scan# 680
Delta R.T. -0.12 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 75 Resp: 574

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	2577.4	25.0	37.4#

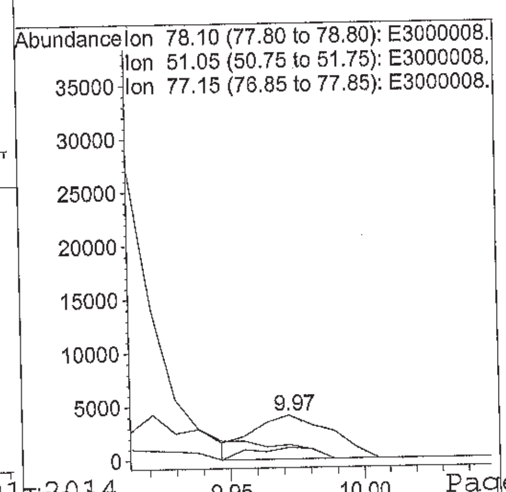


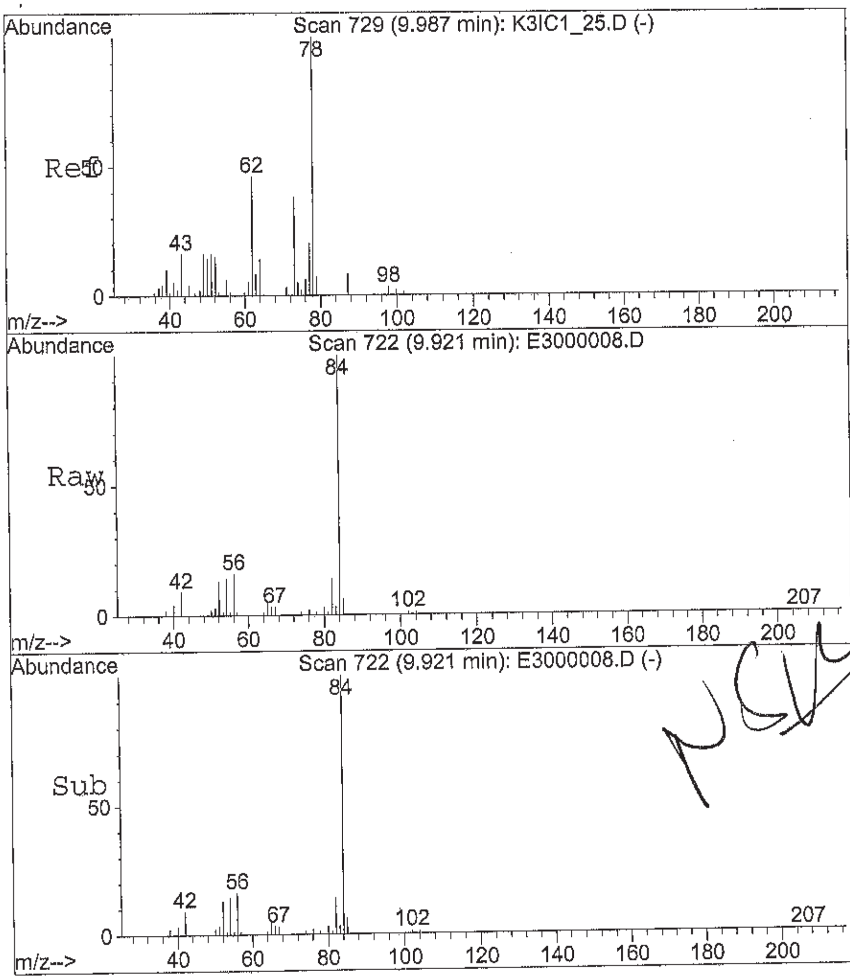


#31
Benzene
Concen: 0.64 ug/L
RT: 9.97 min Scan# 728
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 78 Resp: 8345

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	22.0	16.6	24.8

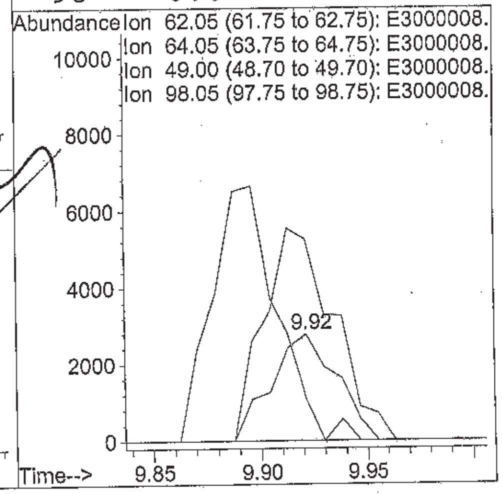


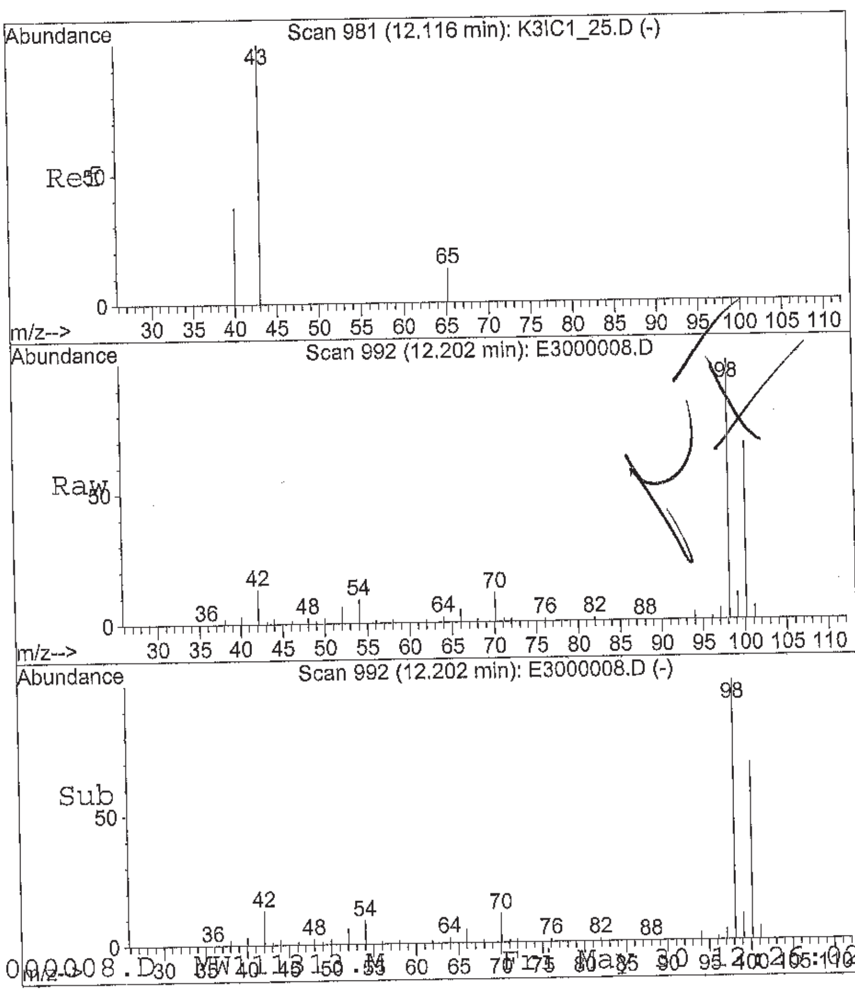


#32
1,2-Dichloroethane
Concen: 1.28 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.07 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 62 Resp: 5894

Ion	Ratio	Lower	Upper
62	100		
64	214.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

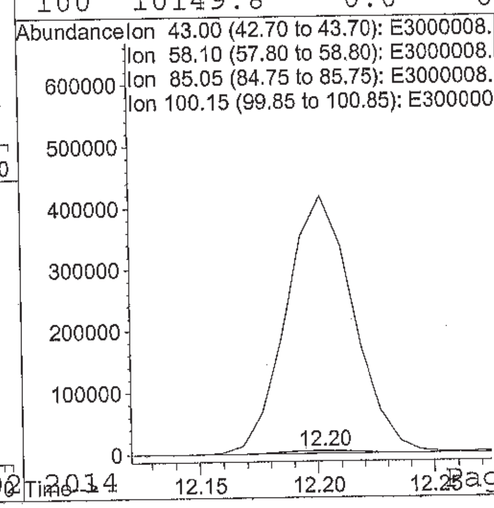


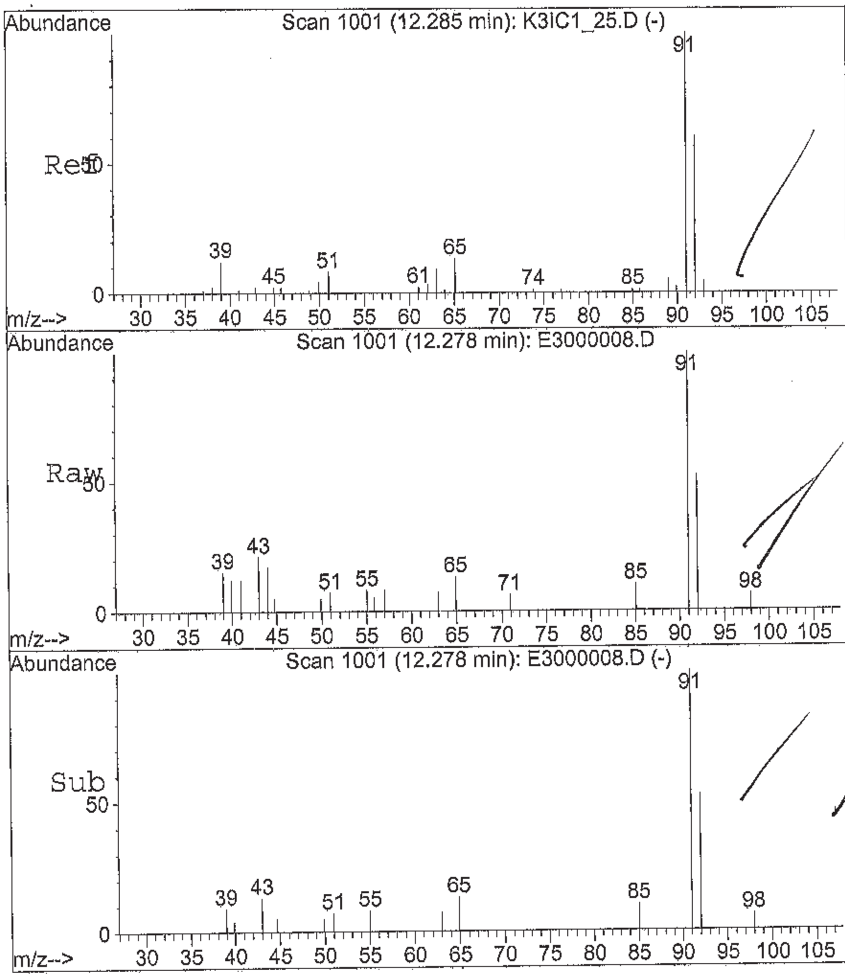


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.52 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 43 Resp: 8201

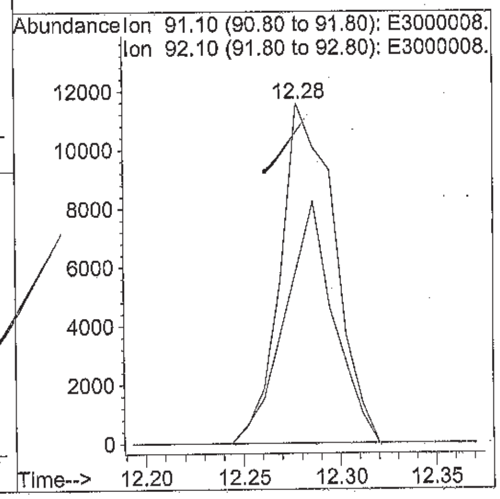
Ion	Ratio	Lower	Upper
43	100		
58	126.7	0.0	0.0#
85	0.0	0.0	0.0
100	10149.8	0.0	0.0#

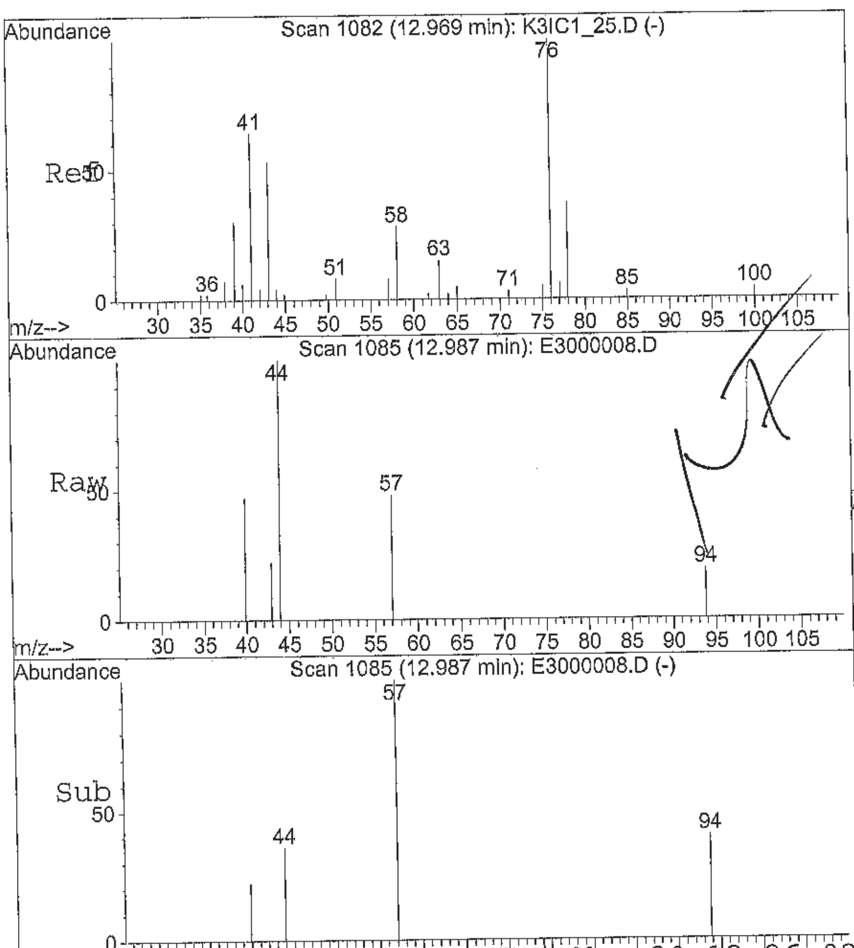




#41
Toluene
Concen: 1.40 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

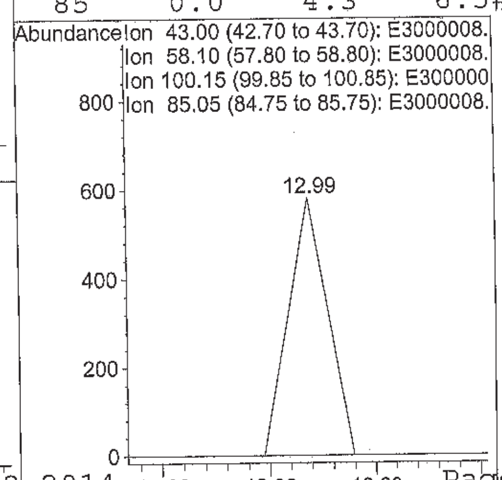
Tgt Ion: 91	Resp:		22320
Ion	Ratio	Lower	Upper
91	100		
92	64.7	47.4	71.0

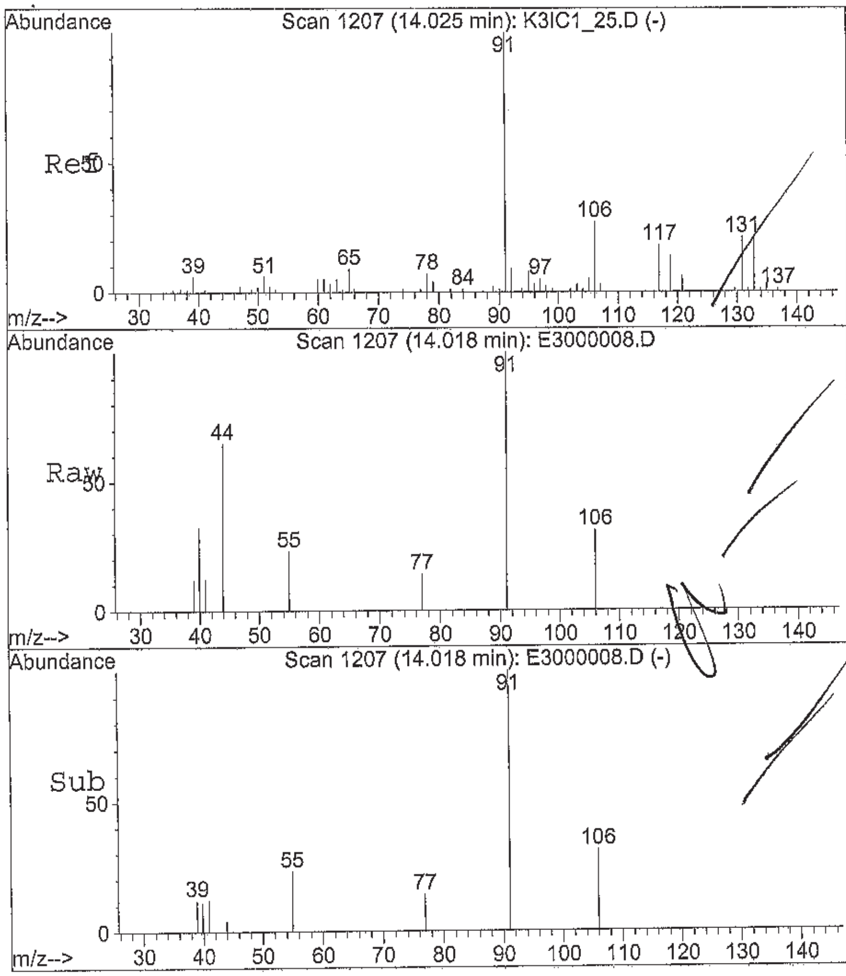




#46
2-Hexanone
Concen: 0.12 ug/L
RT: 12.99 min Scan# 1085
Delta R.T. 0.02 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

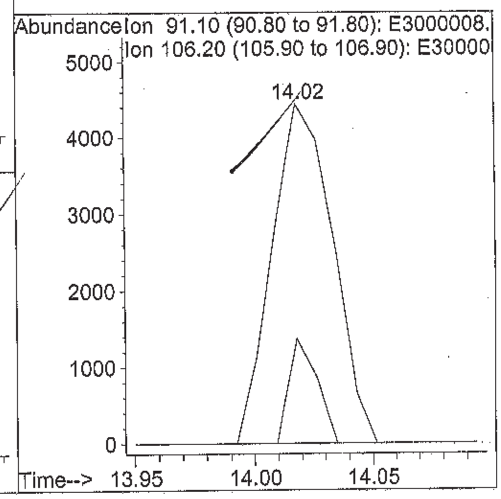
Tgt Ion: 43	Resp:		294
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

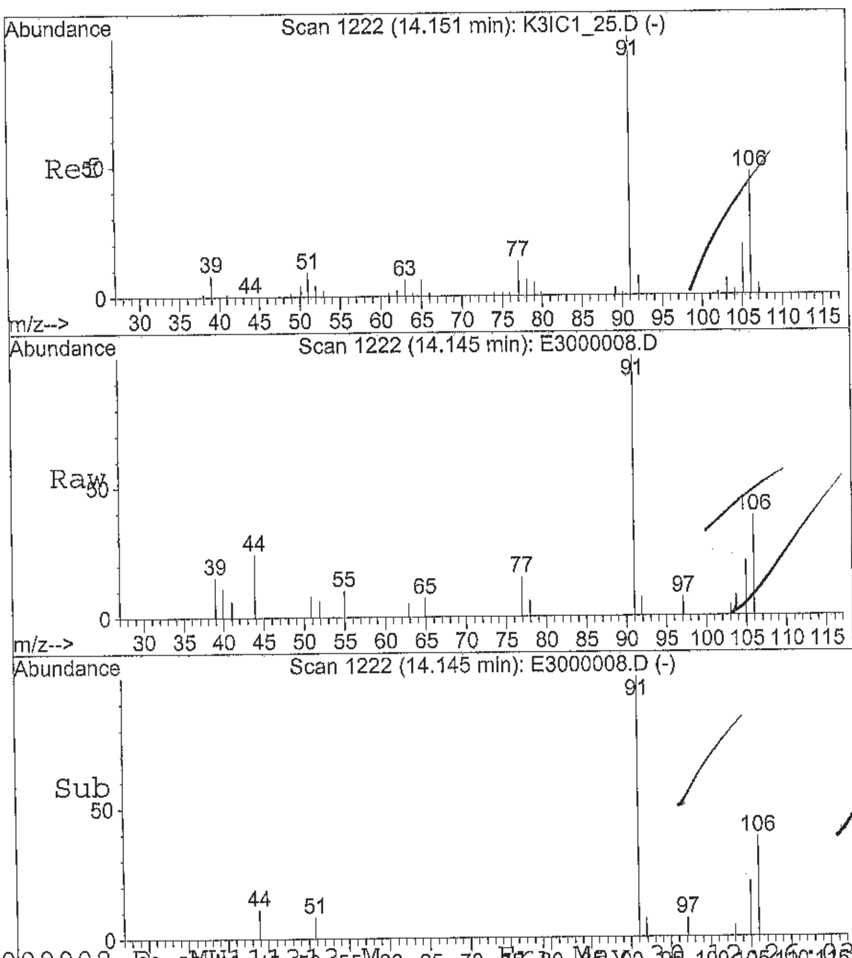




#51
Ethylbenzene
Concen: 0.44 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

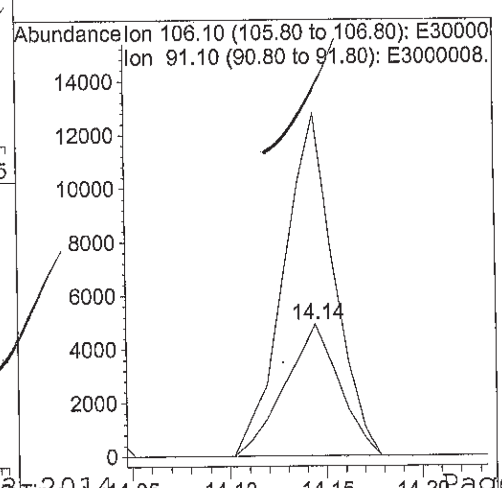
Tgt Ion: 91	Resp:	7894	
Ion	Ratio	Lower	Upper
91	100		
106	14.3	23.5	35.3#

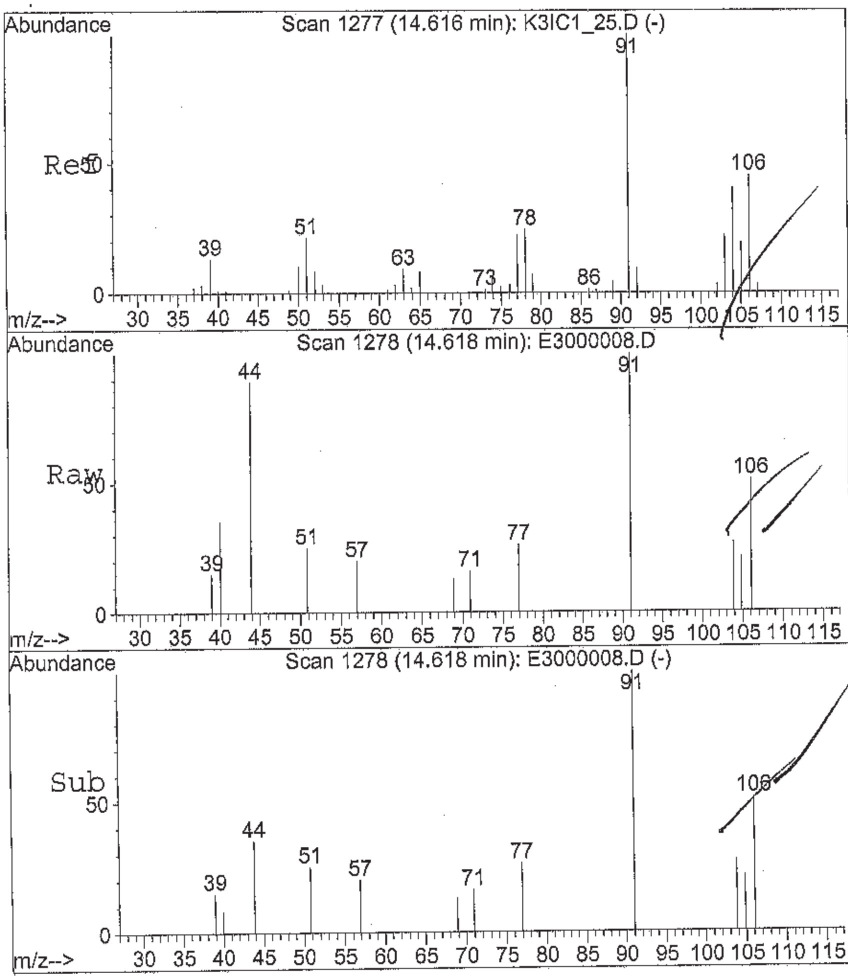




#52
m,p-Xylenes
Concen: 1.50 ug/L
RT: 14.14 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion:106	Resp:	9611	
Ion	Ratio	Lower	Upper
106	100		
91	241.6	177.1	265.7

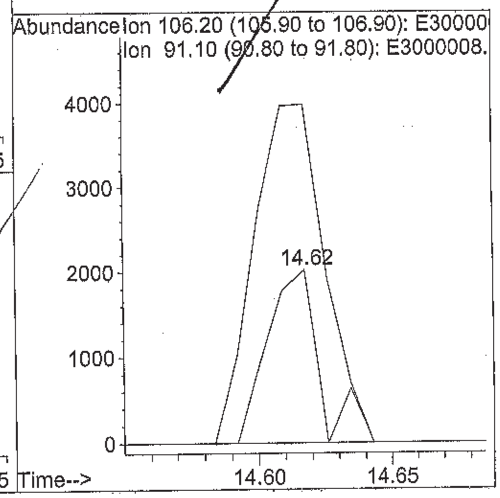


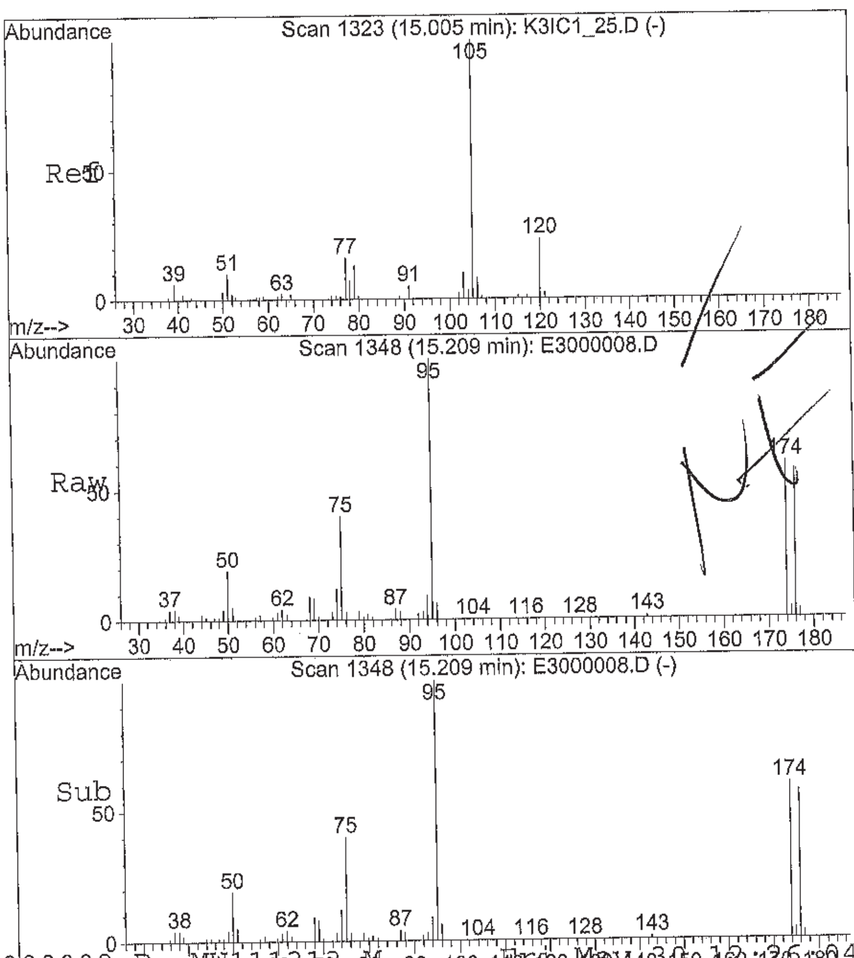


#53
o-Xylene
Concen: 0.43 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion:106 Resp: 2719

Ion	Ratio	Lower	Upper
106	100		
91	267.2	179.0	268.6

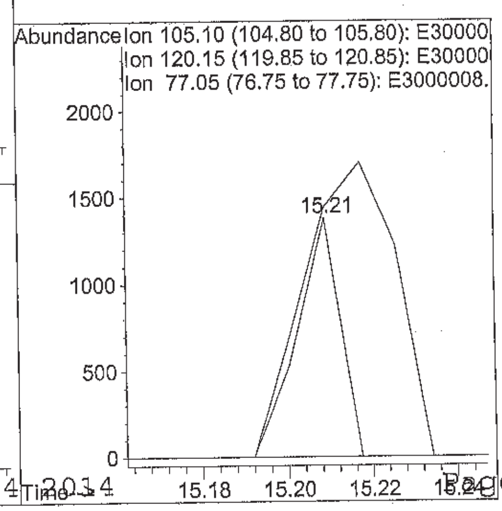


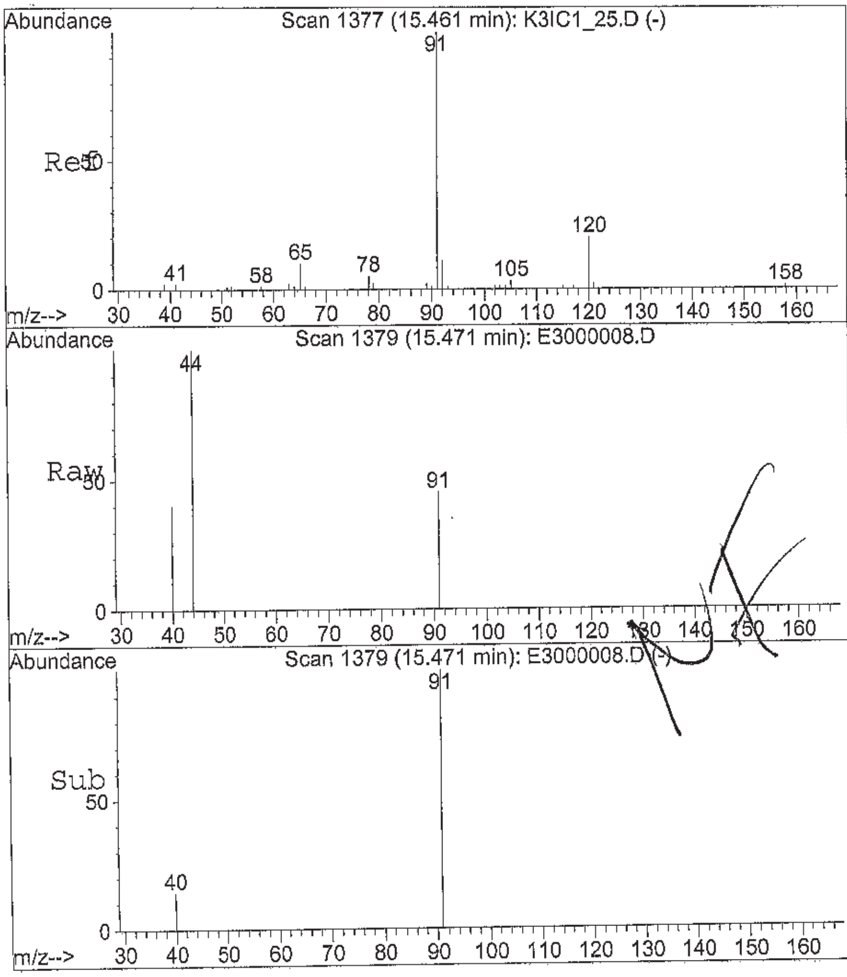


#56
Isopropylbenzene
Concen: 0.06 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. 0.20 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion:105 Resp: 968

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	264.9	13.1	19.7#

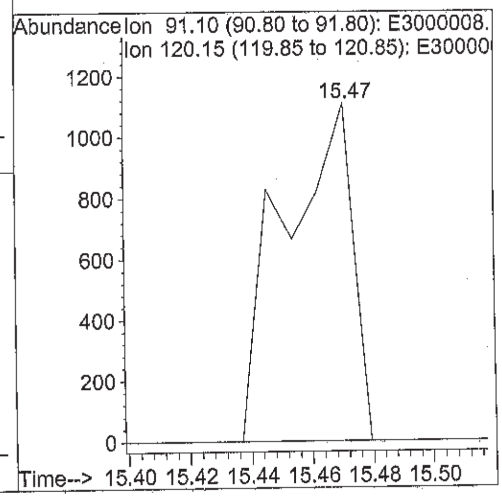


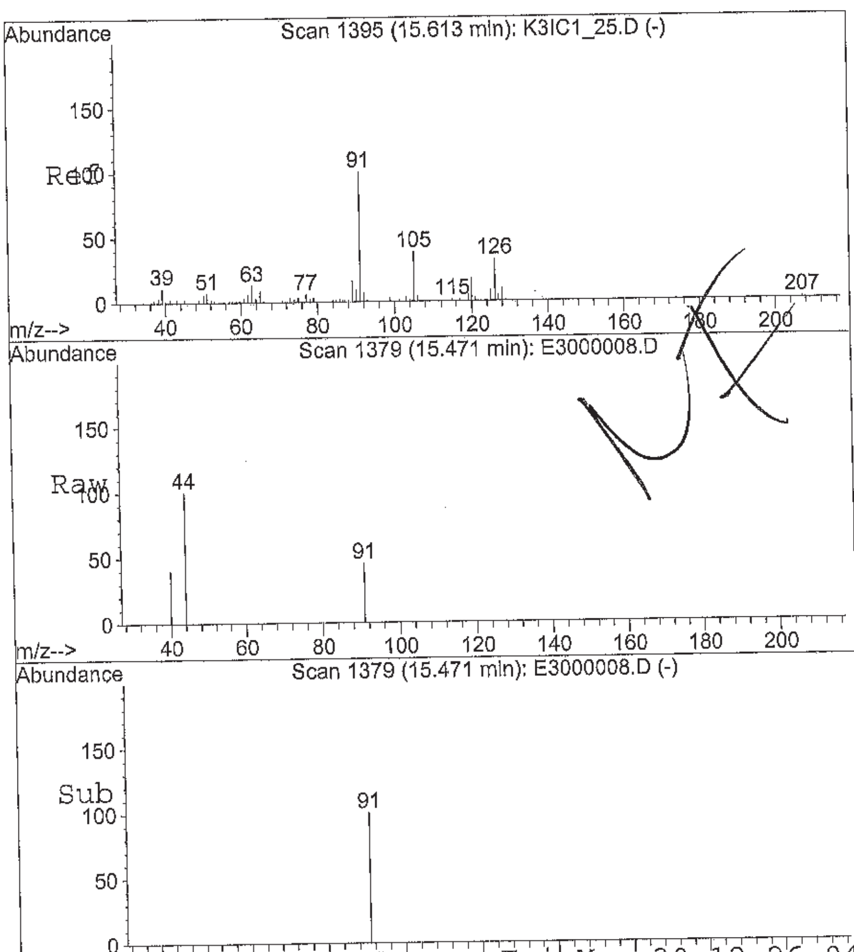


#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.47 min Scan# 1379
Delta R.T. 0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 91 Resp: 1736

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

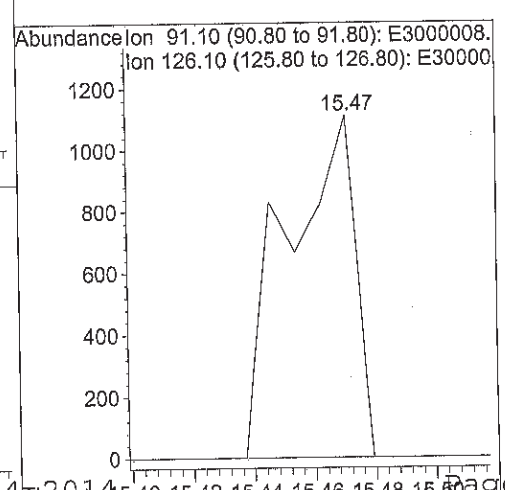


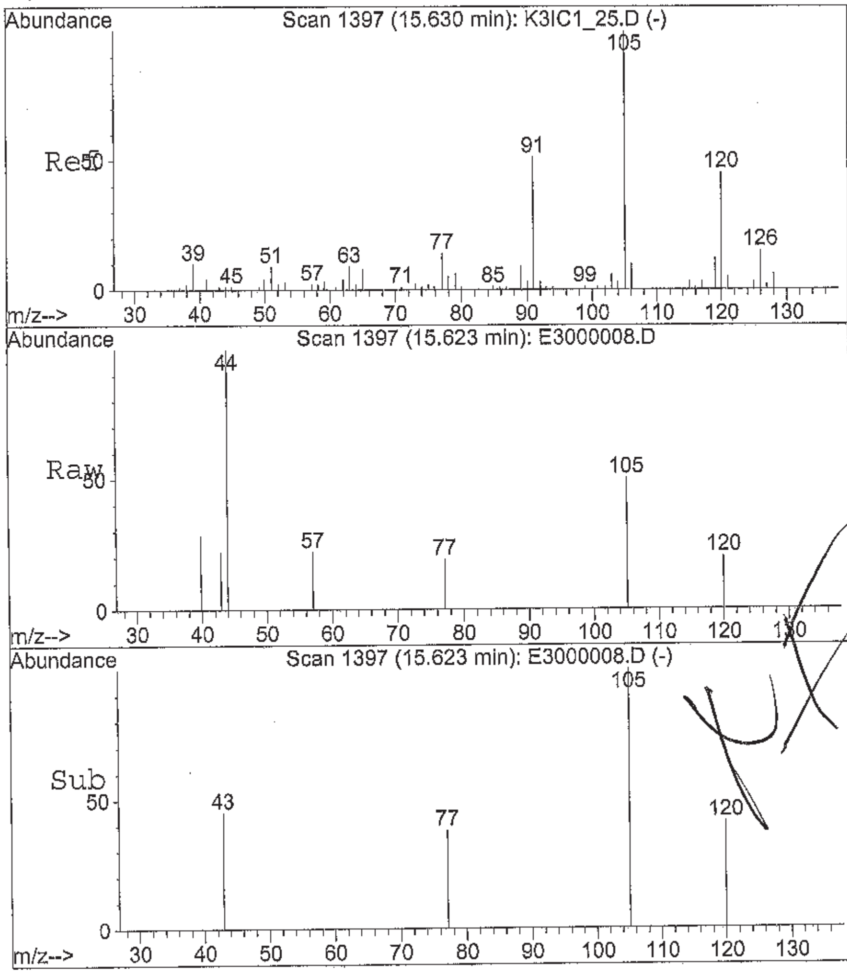


#63
2-Chlorotoluene
Concen: 0.11 ug/L
RT: 15.47 min Scan# 1379
Delta R.T. -0.14 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion: 91 Resp: 1736

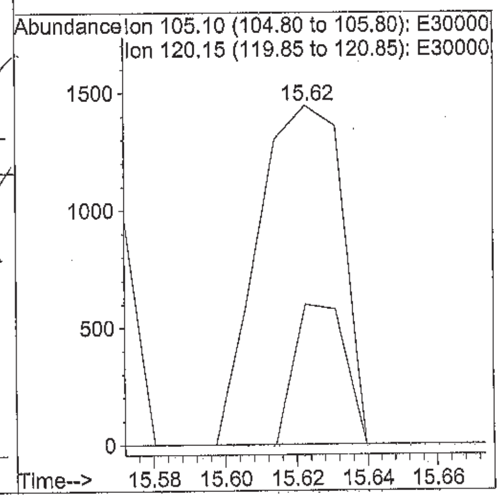
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

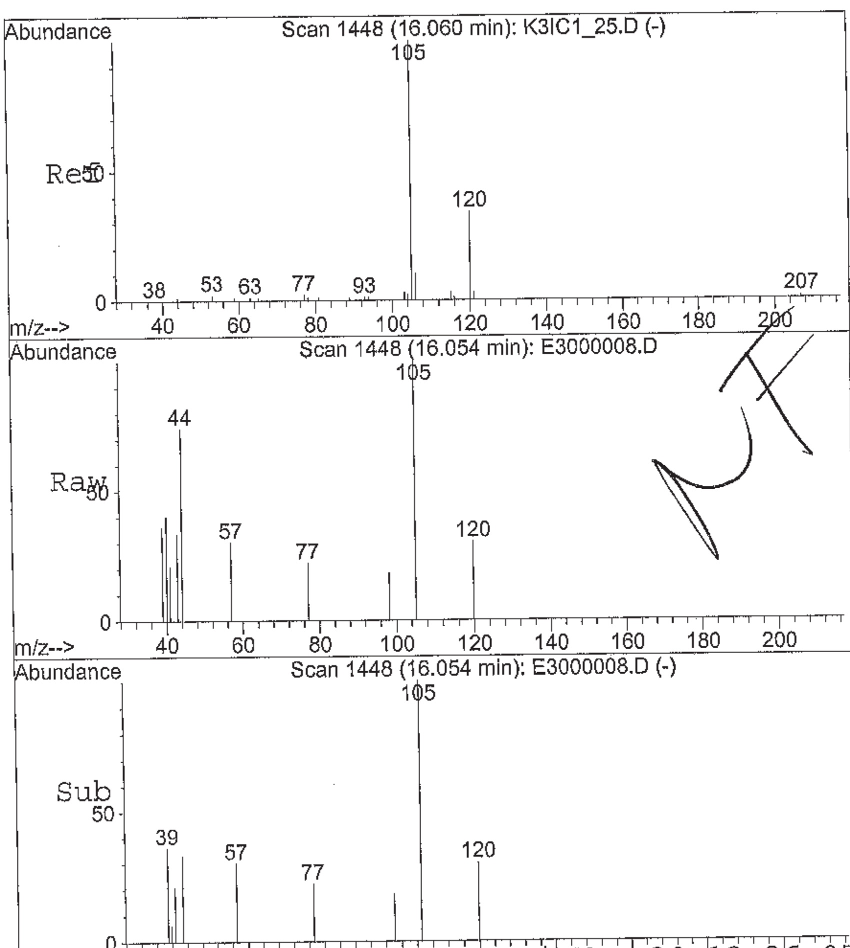




#64
1,3,5-Trimethylbenzene
Concen: 0.15 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

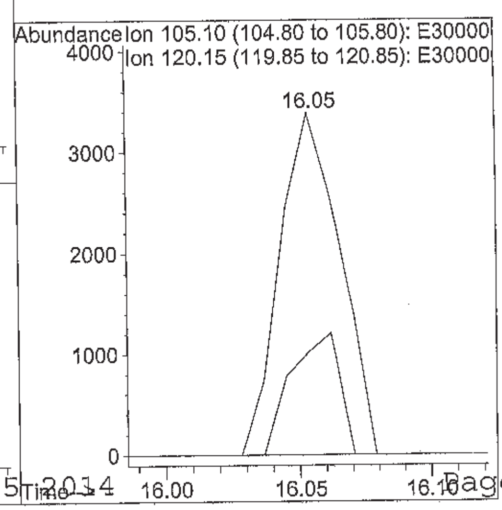
Tgt	Ion:105	Resp:	2375
Ion	Ratio	Lower	Upper
105	100		
120	25.1	36.4	54.6#

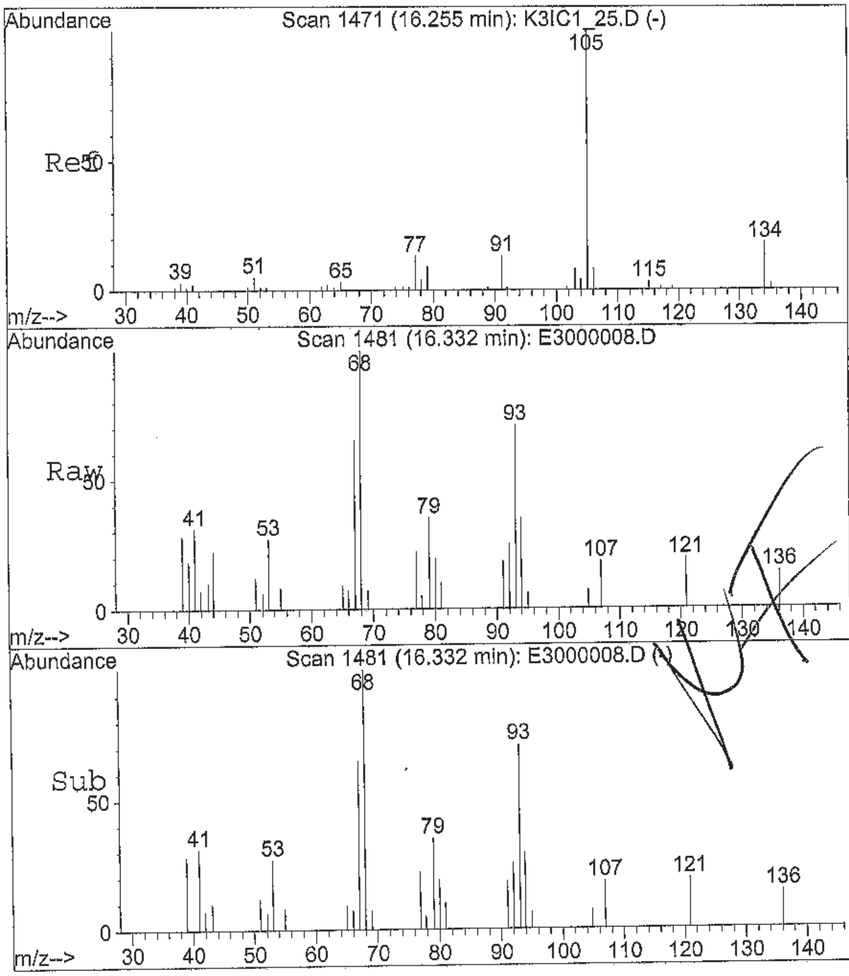




#67
1,2,4-Trimethylbenzene
Concen: 0.32 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

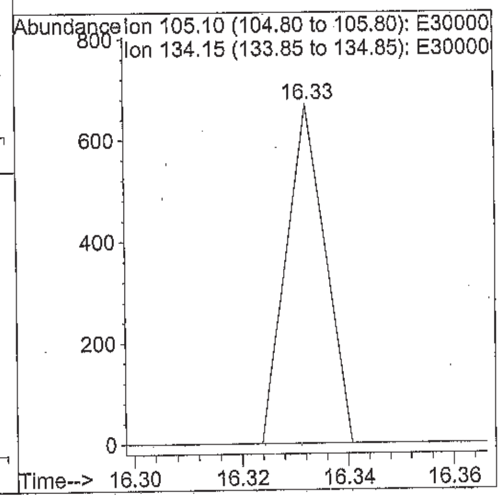
Tgt	Ion:105	Resp:	5315
Ion	Ratio	Lower	Upper
105	100		
120	28.6	33.8	50.8#

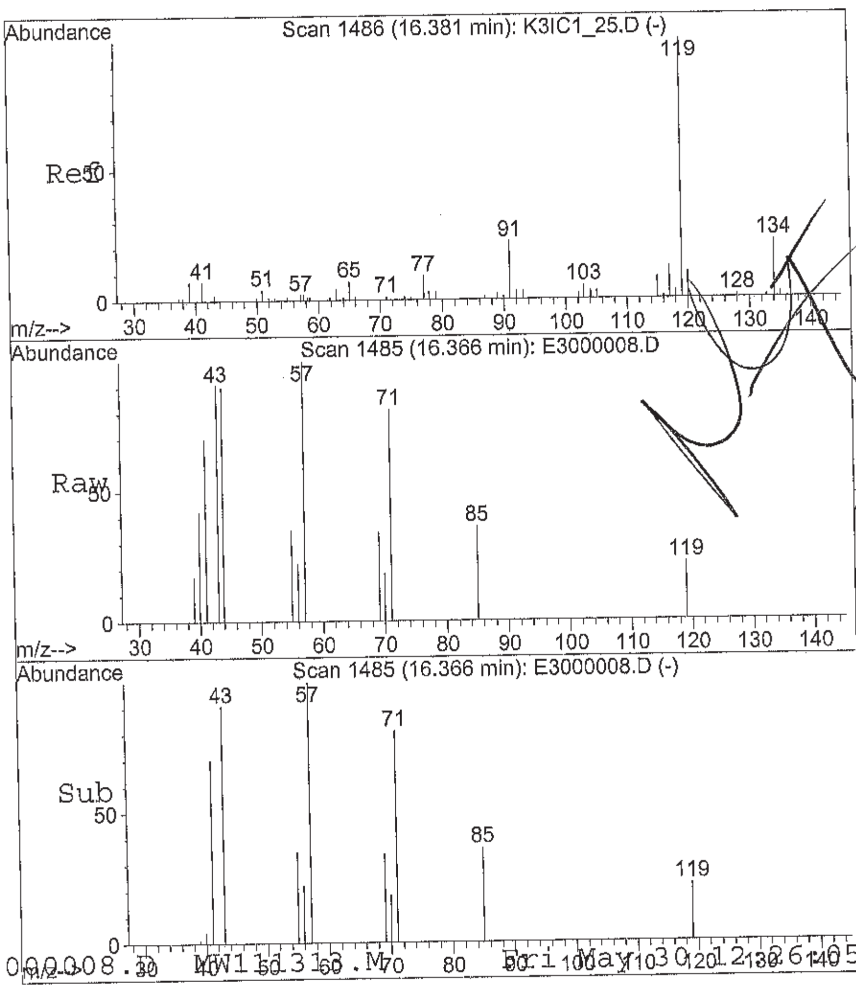




#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

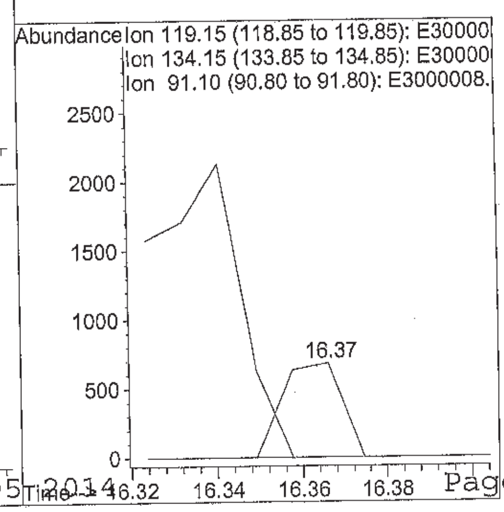
Tgt Ion:105	Resp:		340
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.04 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.02 min
Lab File: E3000008.D
Acq: 30 May 2014 12:00 pm

Tgt Ion:119	Resp:		667
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000008.D          Vial: 7
Acq On    : 30 May 2014  12:00 pm                      Operator: DN
Sample    : 3E43001-07                                 Inst    : GC/MS Ins
Misc      : 100cc  SVL-550-SA5D-SV-11.0-12.0           Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:24 19114              Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                   R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) Fluorobenzene (IS)             10.28   96  1378002   12.50 ug/L   -0.03
  7) Chlorobenzene-d5 (IS)          13.92  117  1165964   12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS     16.51  152   644664   12.50 ug/L    0.00

System Monitoring Compounds
  2) Dibromofluoromethane (SU1)     9.42  113   400617   11.18 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125   Recovery   =   89.44%
  3) Chloroform-d (SU6)             9.18   84   653095   12.70 ug/L   -0.01
  Spiked Amount     12.500   Range  70 - 140   Recovery   =  101.60%
  4) Methylene Chloride-d2 (SU5     7.06   86   376491   12.53 ug/L   -0.02
  Spiked Amount     12.500   Range  70 - 140   Recovery   =  100.24%
  5) 1,2-Dichloroethane-d4 (SU2     9.90   65   388772   15.87 ug/L    0.00
  Spiked Amount     12.500   Range  75 - 125   Recovery   =  126.96%#
  6) Benzene-d6 (SU7)               9.92   84  1263518   11.68 ug/L   -0.03
  Spiked Amount     12.500   Range  70 - 140   Recovery   =   93.44%
  8) Toluene-d8 (SU3)              12.20   98  1237843   11.19 ug/L   -0.02
  Spiked Amount     12.500   Range  75 - 125   Recovery   =   89.52%
  9) 4-Bromofluorobenzene (SU4)    15.22   95   660165   14.46 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125   Recovery   =  115.68%

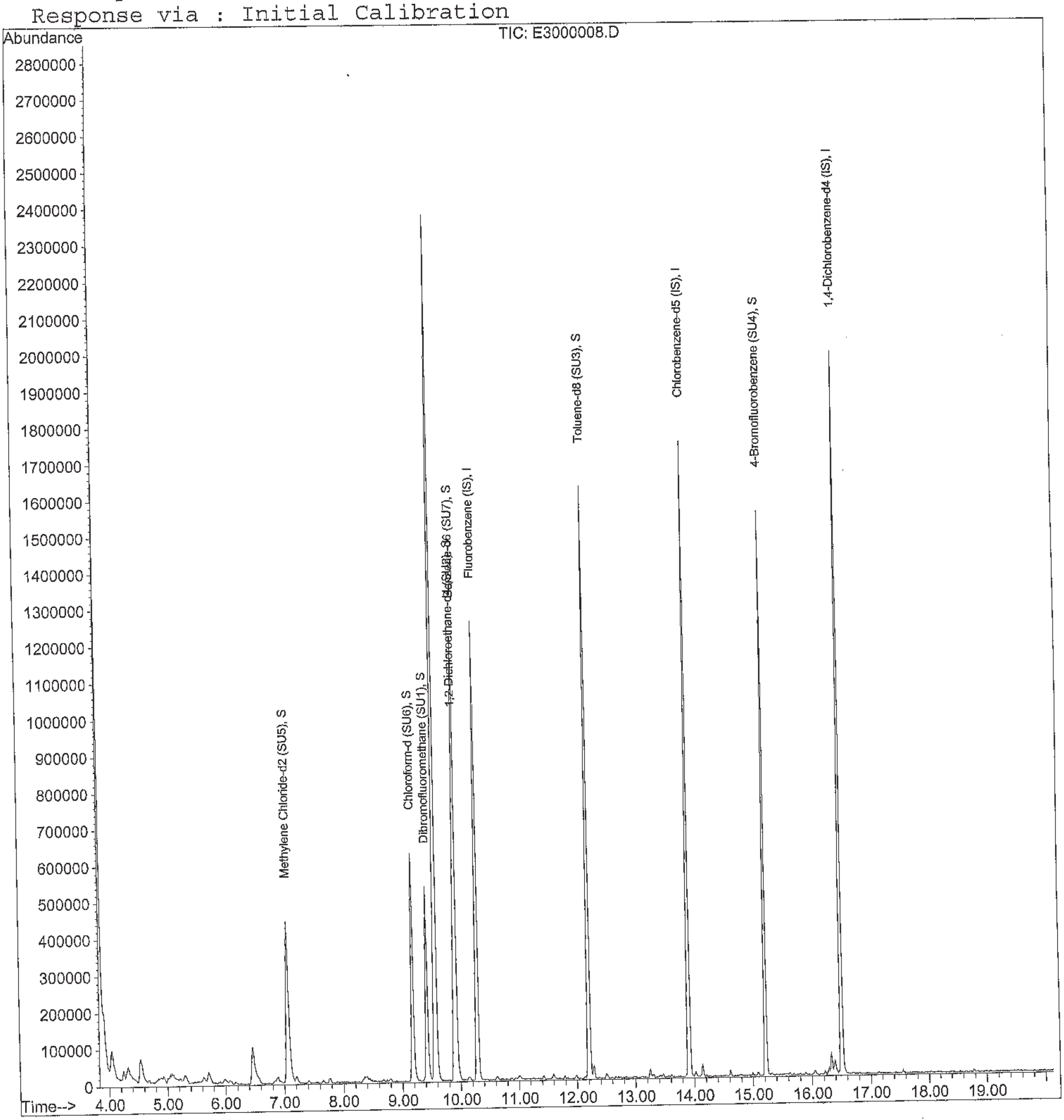
Target Compounds                                                      Qvalue

------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
E3000008.D  SS072713.M    Fri May 30 12:24:20 2014                  Page 1
```

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000008.D Vial: 7
Acq On : 30 May 2014 12:00 pm Operator: DN
Sample : 3E43001-07 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:24 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000009.D Vial: 8
Acq On : 30 May 2014 12:33 pm Operator: DN
Sample : 3E43001-08 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-17.0-18.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:57 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1467890	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1213356	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	667526	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	422085	11.53	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	92.24%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	407848	11.72	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	93.76%	
39) Toluene-d8 (SU3)	12.20	98	1314718	11.62	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	92.96%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	684383	13.79	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	=	110.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	277	0.08	~~ug/L~~ #	44
4) Chloromethane	4.45	50	1555	-0.59	~~ug/L~~	97
6) Bromomethane	5.05	96	8663	3.59	~~ug/L~~ #	69
7) Chloroethane	5.22	64	1584	1.98	~~ug/L~~ #	32
11) Acetone	6.46	58	4693	3.19	~~ug/L~~ #	65
12) (IPA) Leak Check Compound	6.47	45	231246	1311.01	~~ug/L~~ #m	82
13) Carbon disulfide	6.83	76	1947	0.16	~~ug/L~~ #	87
14) Methylene Chloride	7.06	84	6231	1.55	~~ug/L~~	1
15) (TBA) tert-Butanol	6.88	59	1645	6.57	~~ug/L~~ #	77
24) Chloroform	9.21	83	601	0.08	~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.48	59	854	0.08	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.92	75	268	0.05	~~ug/L~~ #	1
31) Benzene	9.96	78	1871	0.14	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.93	62	6297	1.29	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	6553	2.71	~~ug/L~~ #	100
41) Toluene	12.28	91	9401	0.57	ug/L 0.0114	87
46) 2-Hexanone	12.94	43	1143	0.43	~~ug/L~~ #	37
51) Ethylbenzene	14.03	91	5698	0.30	ug/L 0.006	79
52) m,p-Xylenes	14.14	106	7684	1.15	ug/L 0.023	85
53) o-Xylene	14.63	106	1413	0.21	ug/L # 0.0042	95
54) Styrene	14.63	104	2068	-0.65	~~ug/L~~ #	61
56) Isopropylbenzene	15.22	105	1435	0.08	~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000009.D Vial: 8
Acq On : 30 May 2014 12:33 pm Operator: DN
Sample : 3E43001-08 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-17.0-18.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:57 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

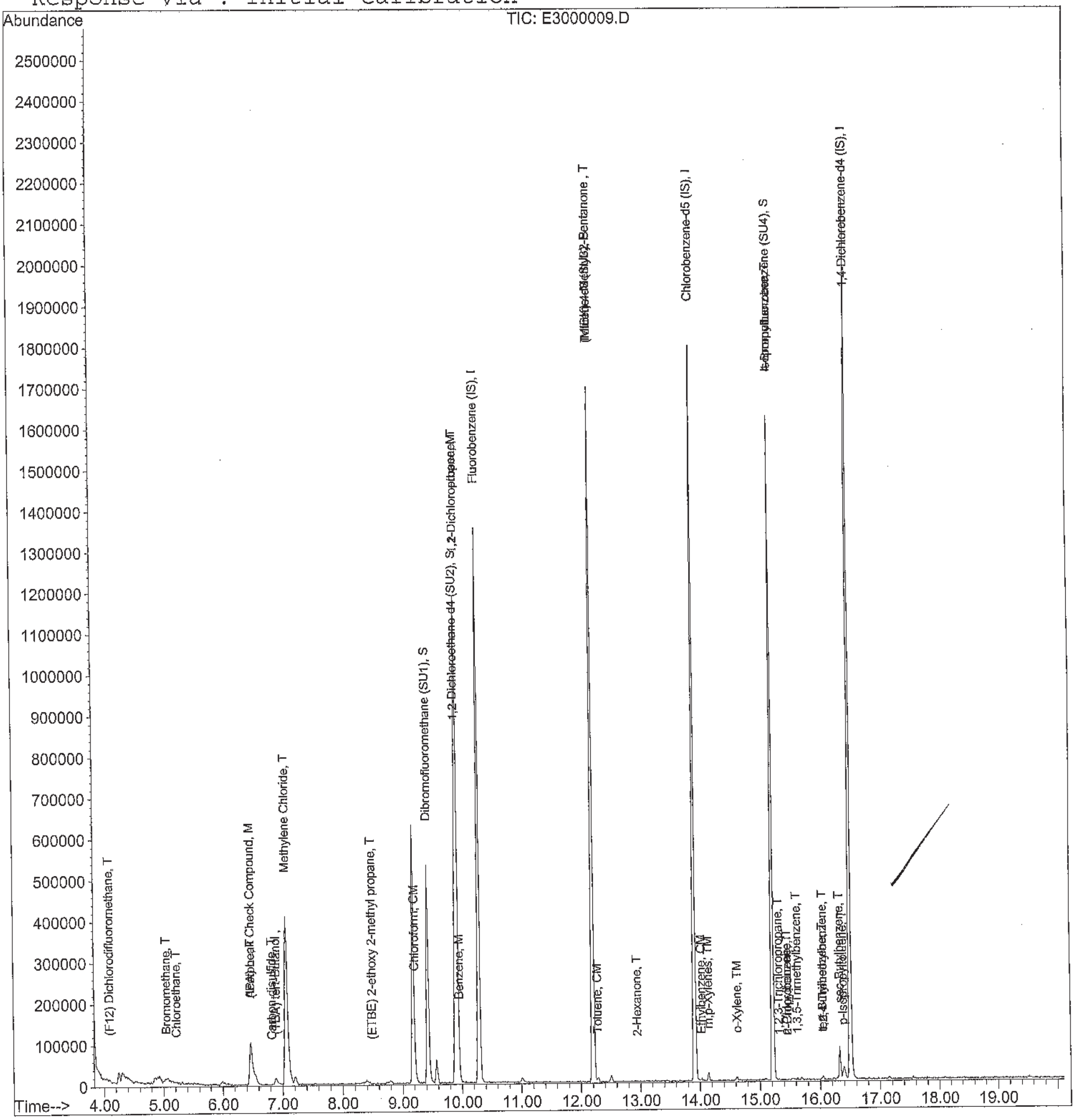
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
57)	1,2,3-Trichloropropane	15.32	75	279	0.06	~~ug/L~~ #	36
62)	n-Propylbenzene	15.46	91	770	0.03	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.46	91	770	0.05	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.62	105	1658	0.10	~~ug/L~~ #	67
66)	tert-Butylbenzene	16.05	119	370	0.03	~~ug/L~~ #	24
67)	1,2,4-Trimethylbenzene	16.06	105	4271	0.25	~~ug/L~~ #	82
68)	sec-Butylbenzene	16.33	105	475	0.02	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	1417	0.08	~~ug/L~~ #	52

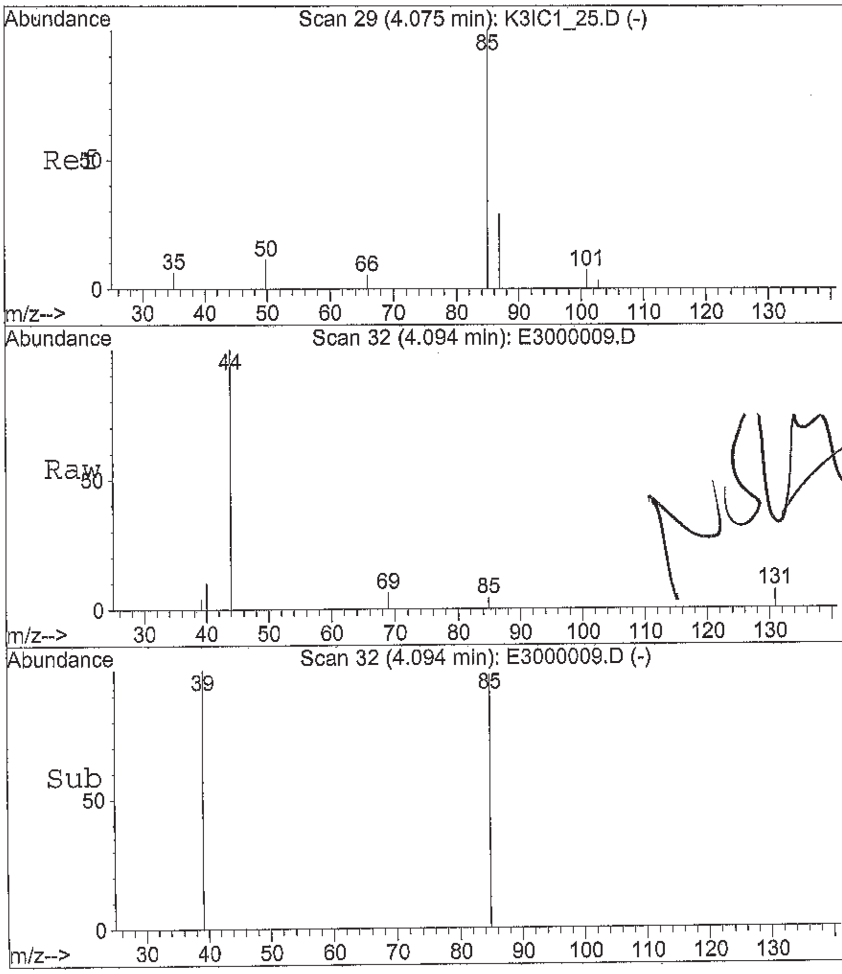
ug/m³

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000009.D Vial: 8
Acq On : 30 May 2014 12:33 pm Operator: DN
Sample : 3E43001-08 Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-17.0-18.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 12:57 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

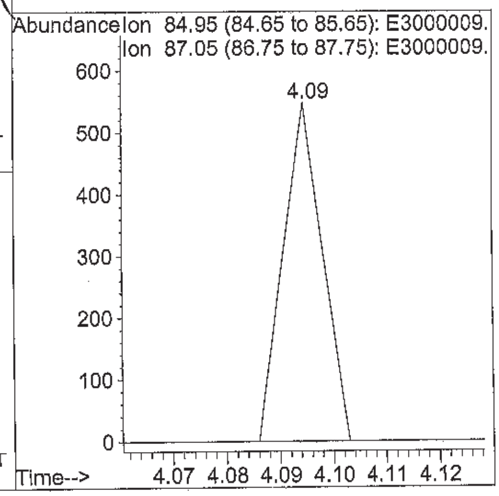


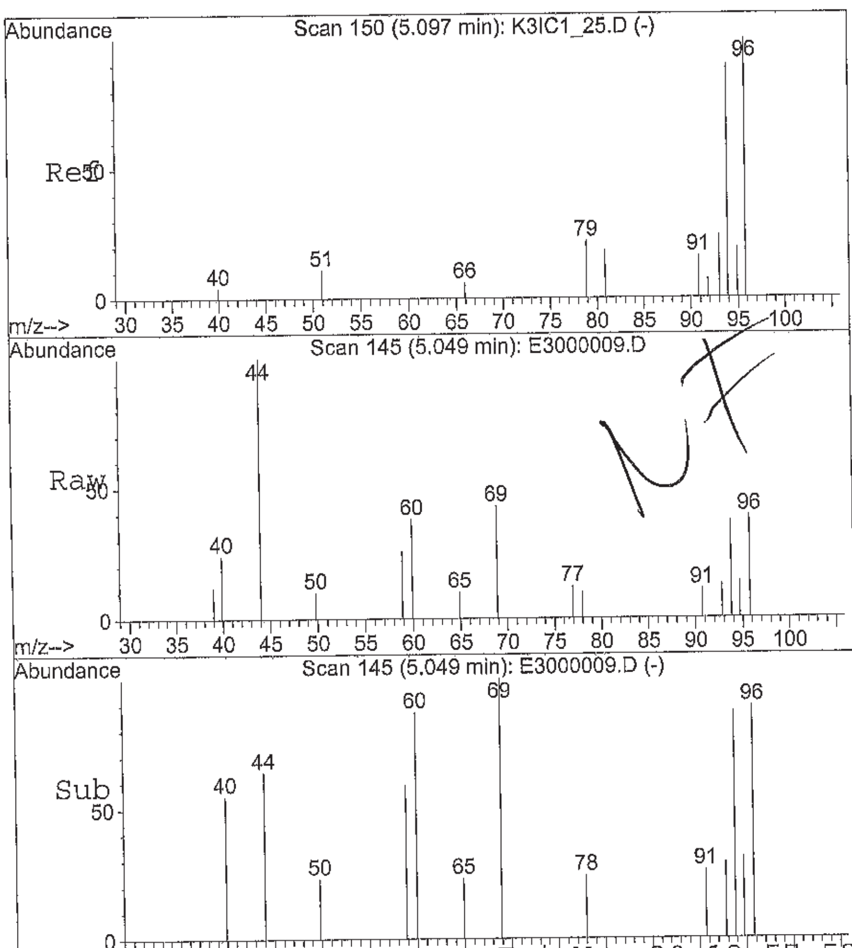


#3
(F12) Dichlorodifluoromethane
Concen: 0.08 ug/L
RT: 4.09 min Scan# 32
Delta R.T. 0.02 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 85 Resp: 277

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

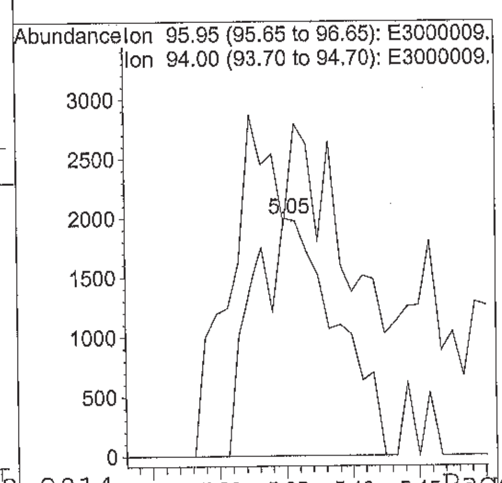


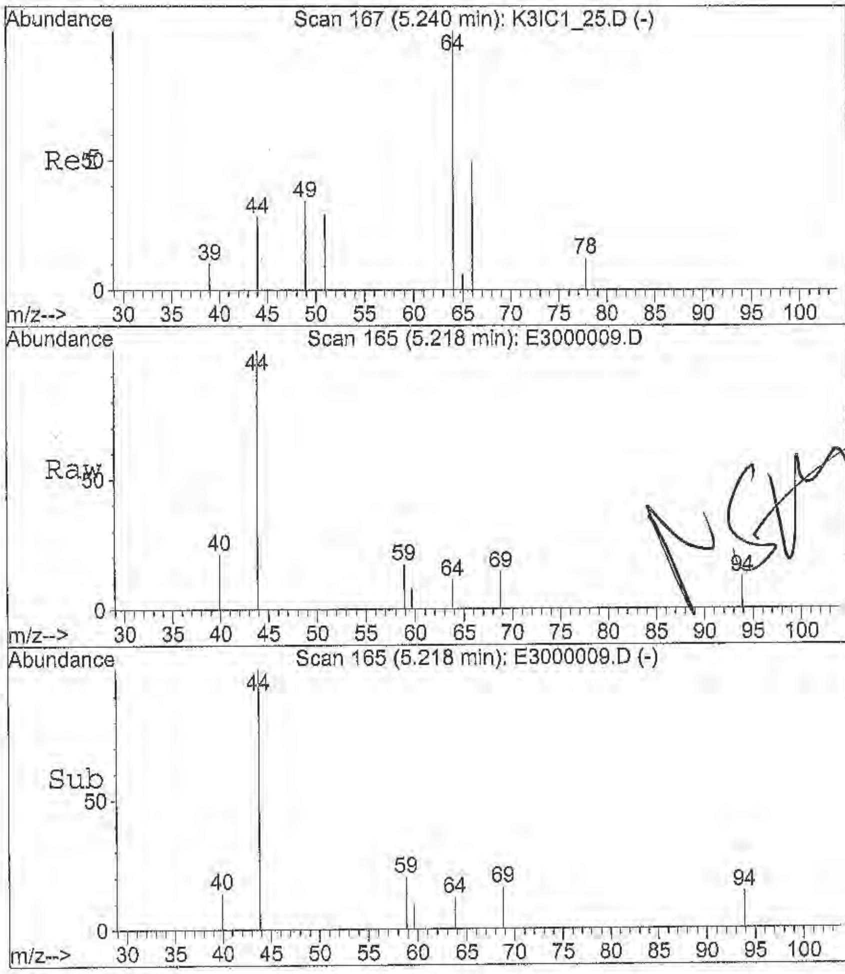


#6
Bromomethane
Concen: 3.59 ug/L
RT: 5.05 min Scan# 145
Delta R.T. -0.05 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 96 Resp: 8663

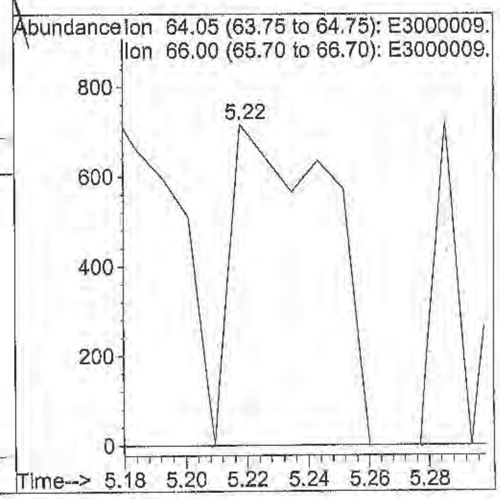
Ion	Ratio	Lower	Upper
96	100		
94	90.4	101.0	151.4#

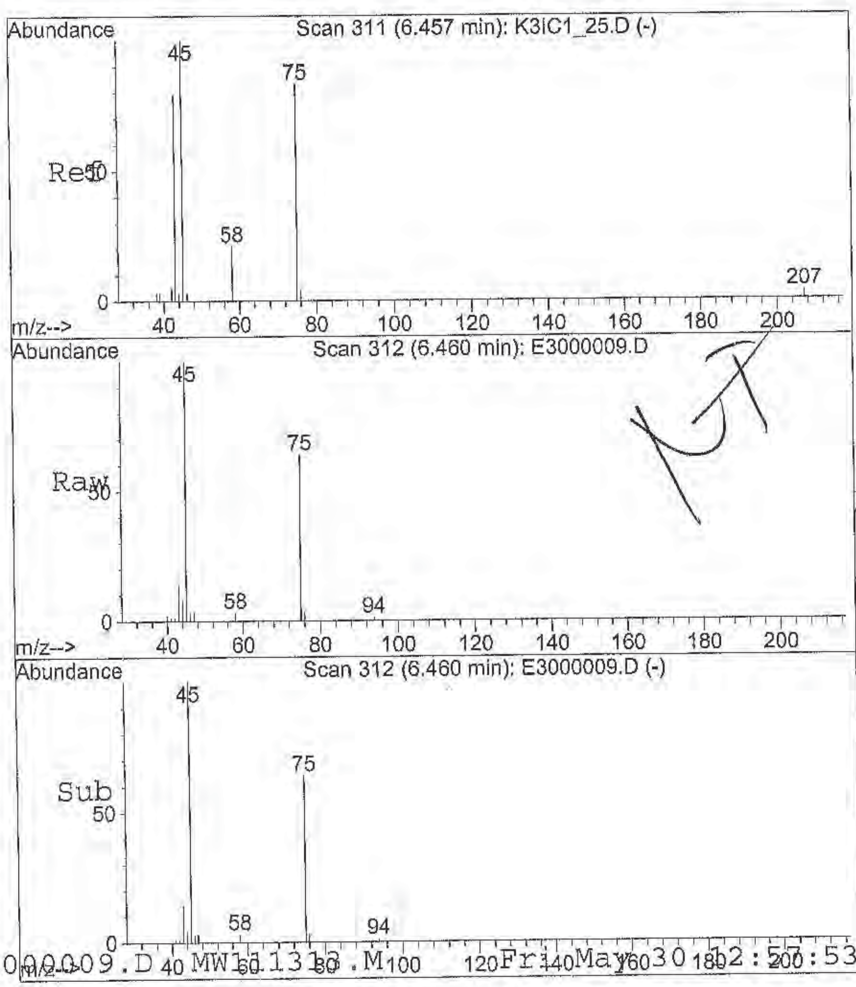




#7
Chloroethane
Concen: 1.98 ug/L
RT: 5.22 min   Scan# 165
Delta R.T.   -0.02 min
Lab File: E3000009.D
Acq: 30 May 2014   12:33 pm

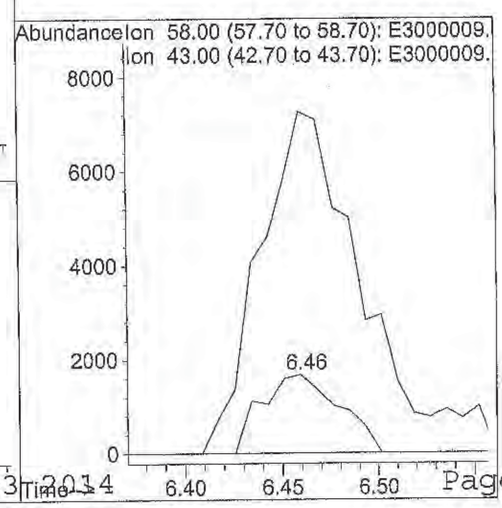
Tgt Ion: 64	Resp:		1584
Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

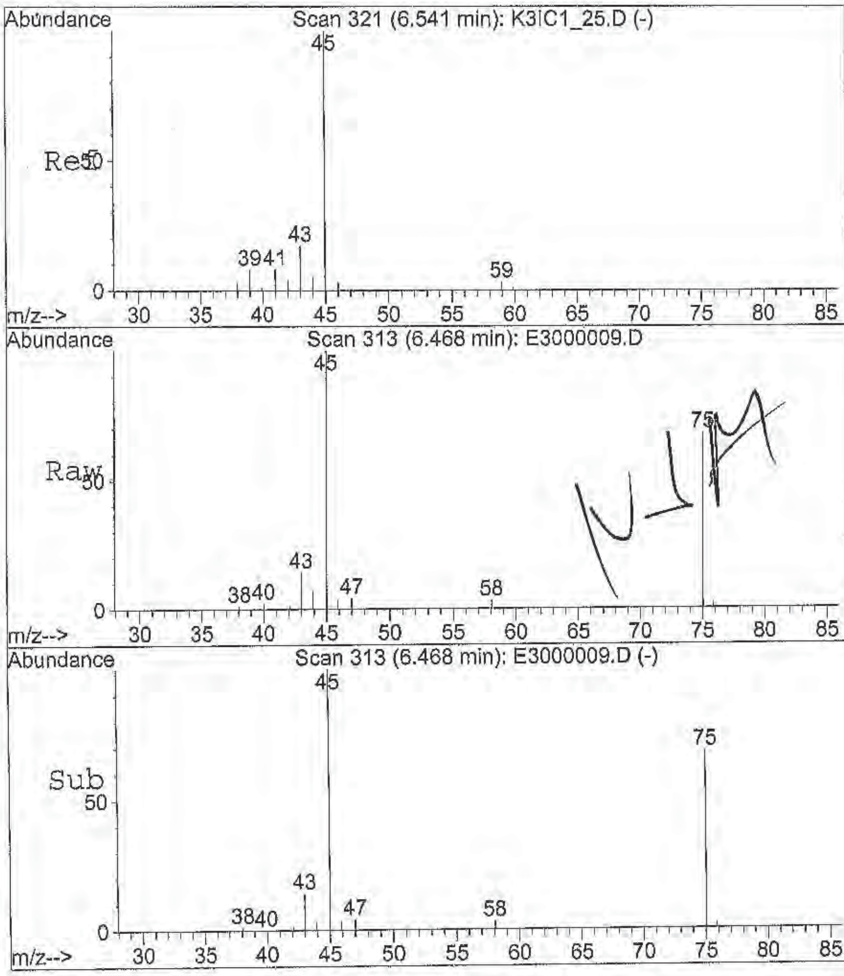




#11
Acetone
Concen: 3.19 ug/L
RT: 6.46 min   Scan# 312
Delta R.T.   0.00 min
Lab File: E3000009.D
Acq: 30 May 2014   12:33 pm

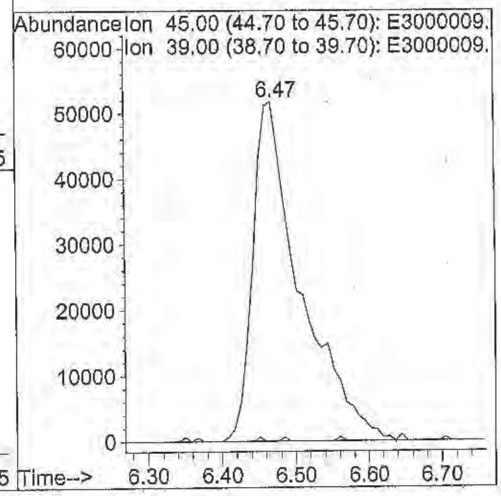
Tgt Ion: 58	Resp:		4693
Ion	Ratio	Lower	Upper
58	100		
43	541.5	360.9	541.3#

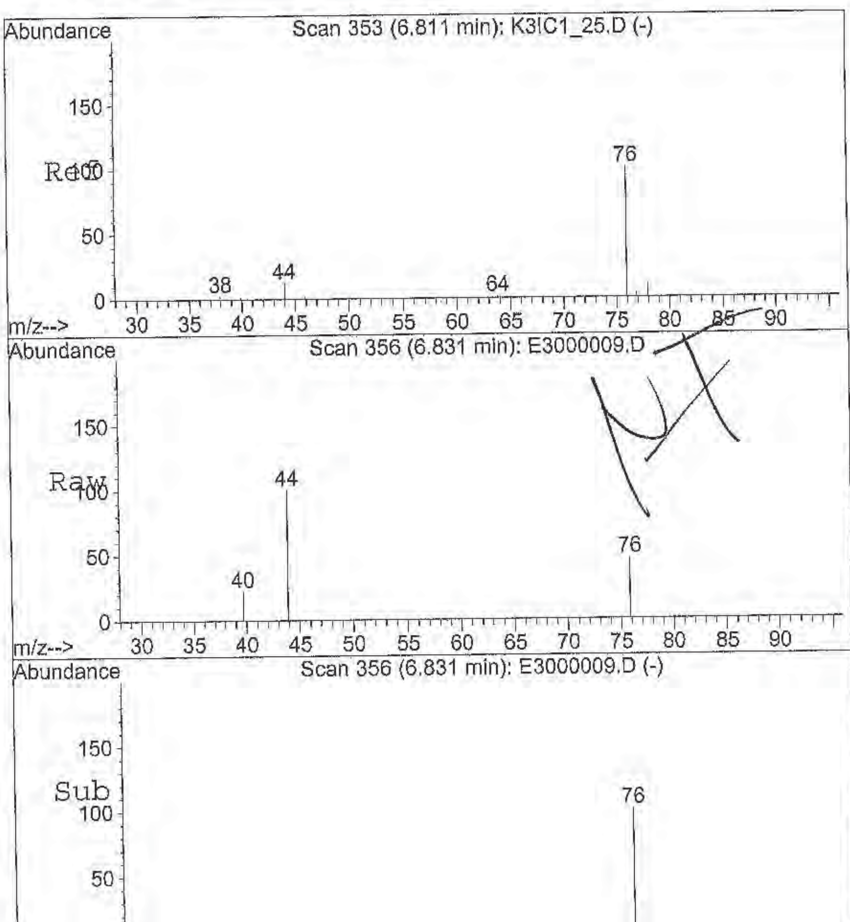




#12
(IPA) Leak Check Compound
Concen: 1311.01 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

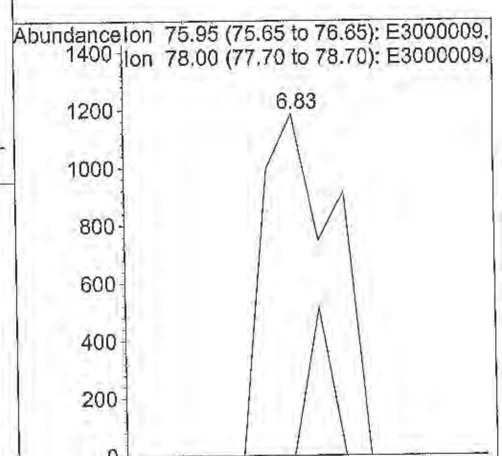
Tgt Ion: 45	Resp:	231246	
Ion	Ratio	Lower	Upper
45	100		
39	0.1	4.9	7.3#

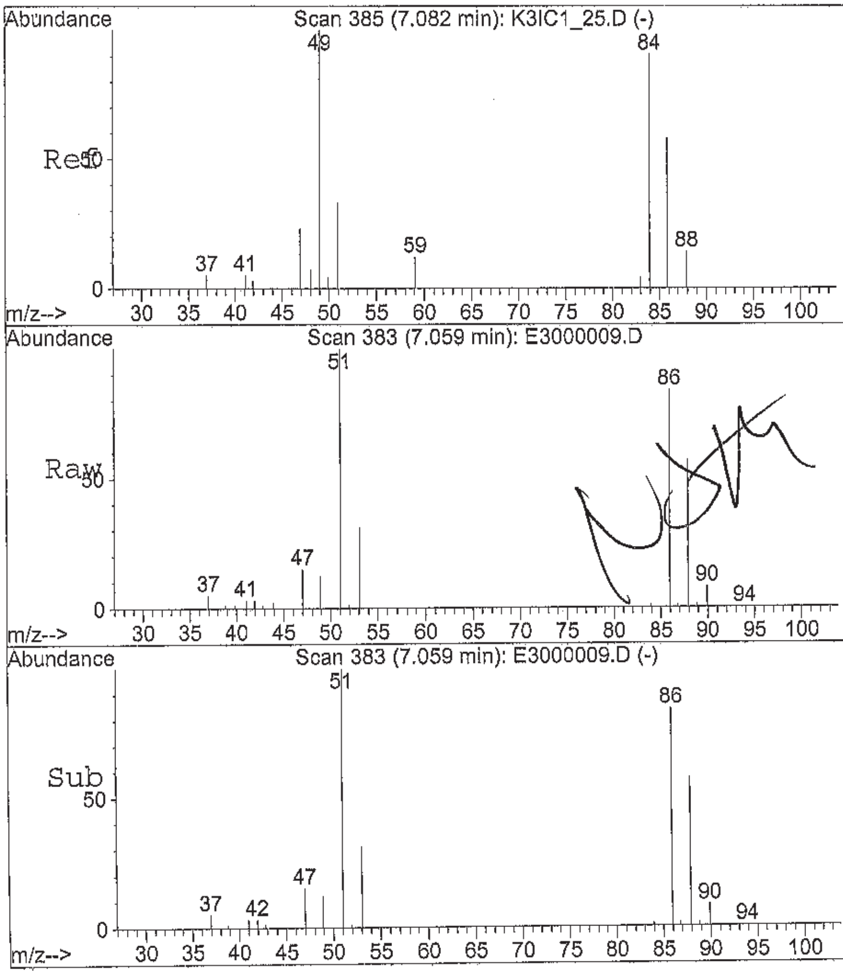




#13
Carbon disulfide
Concen: 0.16 ug/L
RT: 6.83 min Scan# 356
Delta R.T. 0.02 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 76	Resp:	1947	
Ion	Ratio	Lower	Upper
76	100		
78	13.3	7.0	10.4#

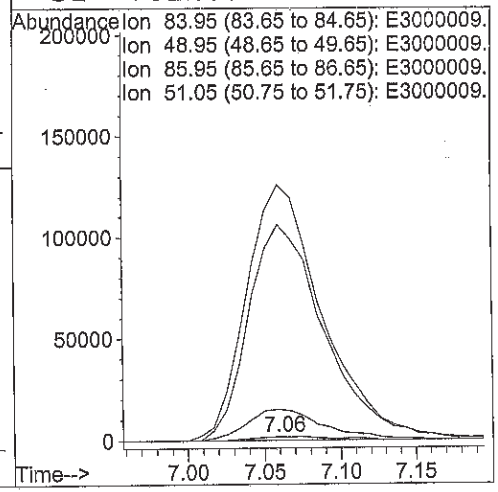


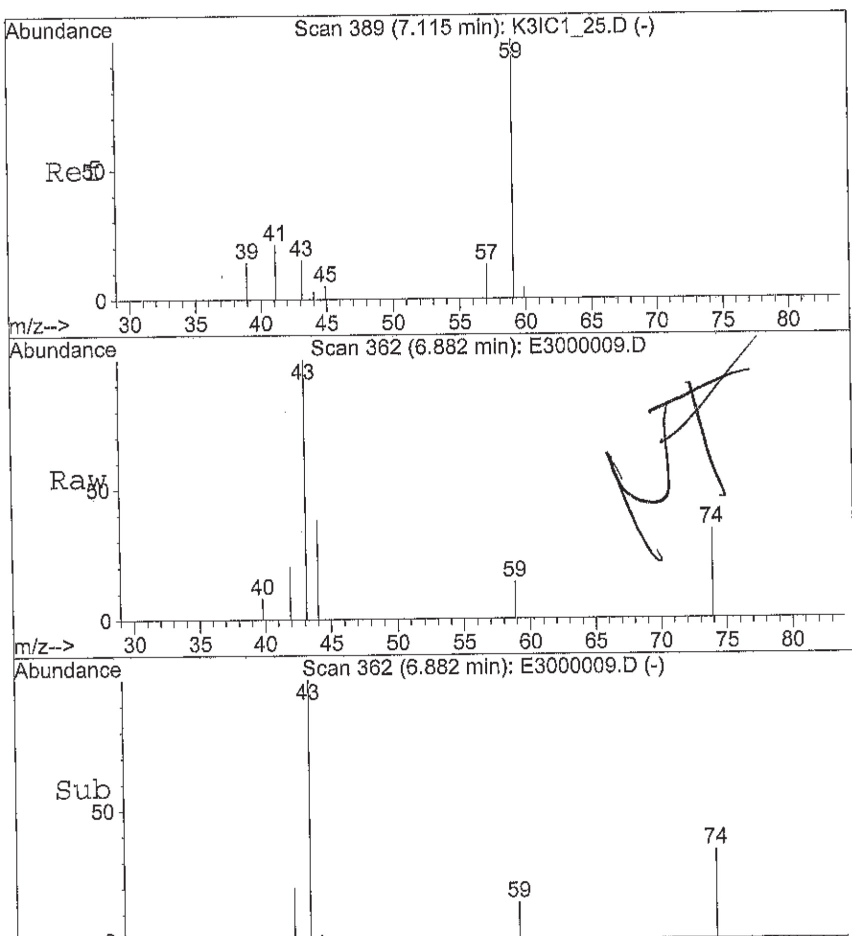


#14
Methylene Chloride
Concen: 1.55 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 84 Resp: 6231

Ion	Ratio	Lower	Upper
84	100		
49	839.2	89.8	134.6#
86	5910.7	51.1	76.7#
51	7022.5	28.5	42.7#

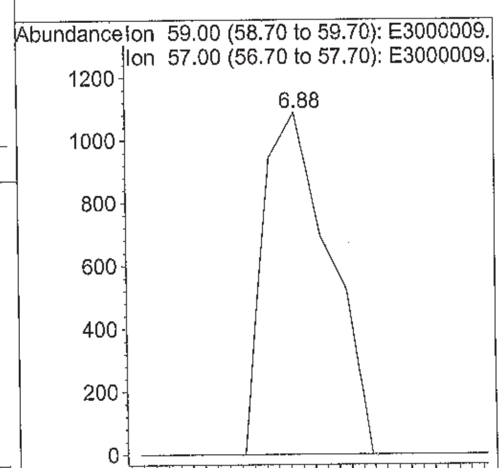


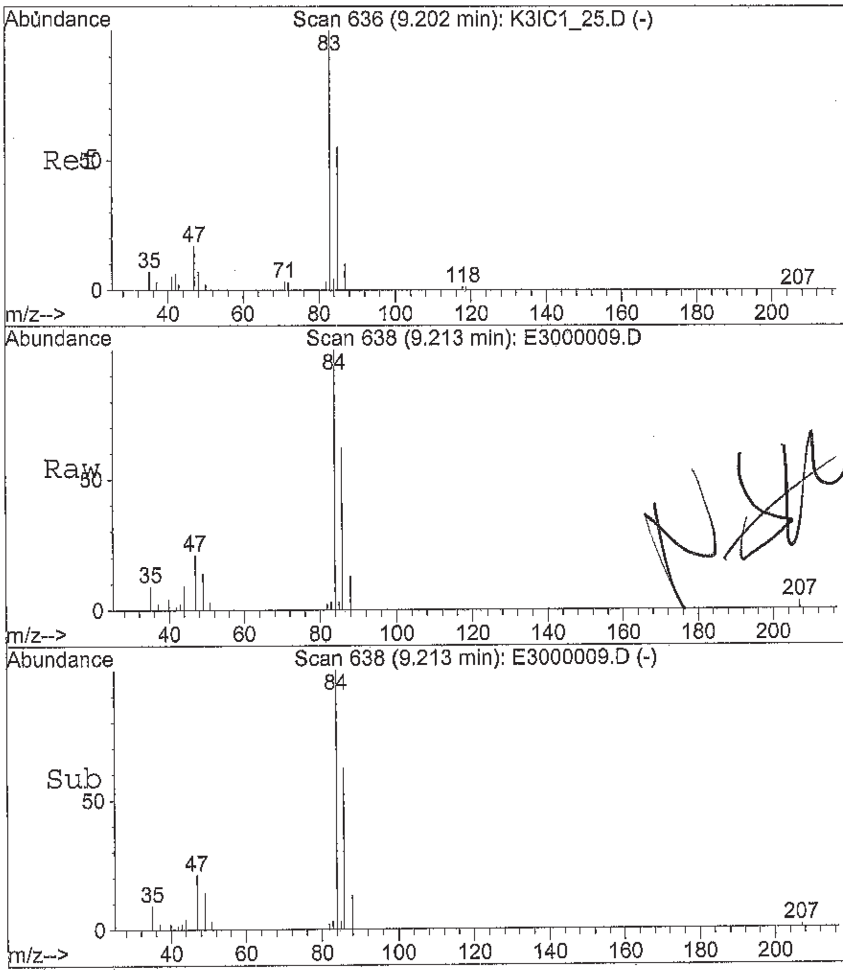


#15
(TBA) tert-Butanol
Concen: 6.57 ug/L
RT: 6.88 min Scan# 362
Delta R.T. -0.23 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 59 Resp: 1645

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

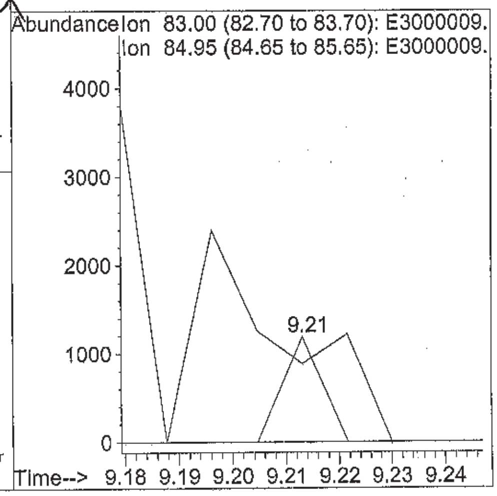


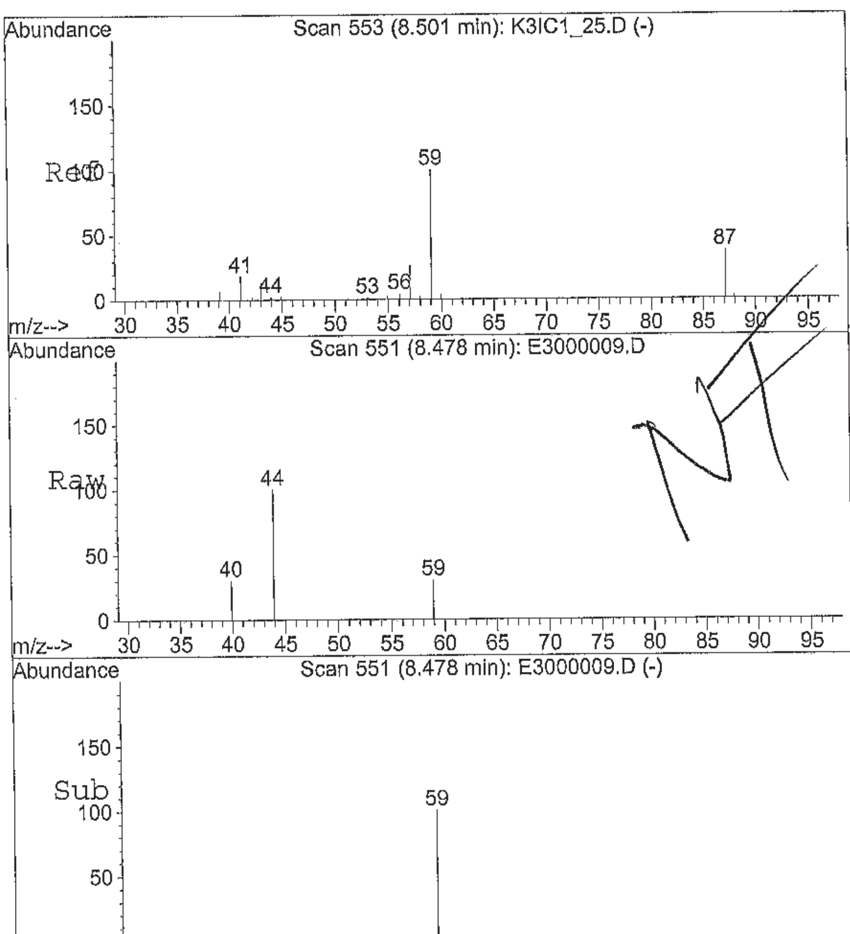


#24
Chloroform
Concen: 0.08 ug/L
RT: 9.21 min Scan# 638
Delta R.T.   0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 83 Resp: 601

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

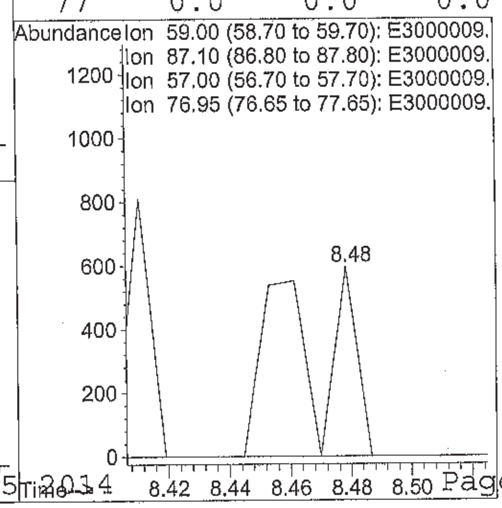


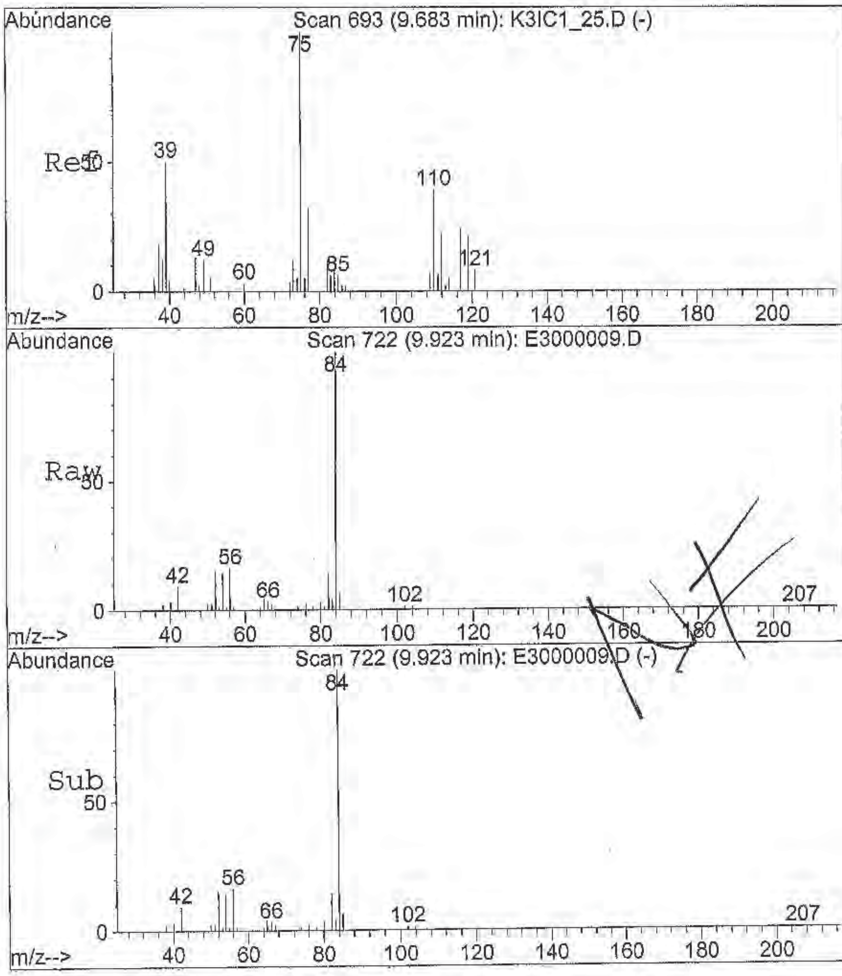


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.08 ug/L
RT: 8.48 min Scan# 551
Delta R.T.   -0.02 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 59 Resp: 854

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

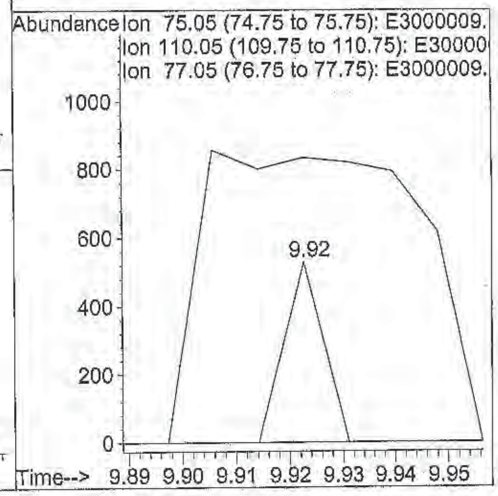


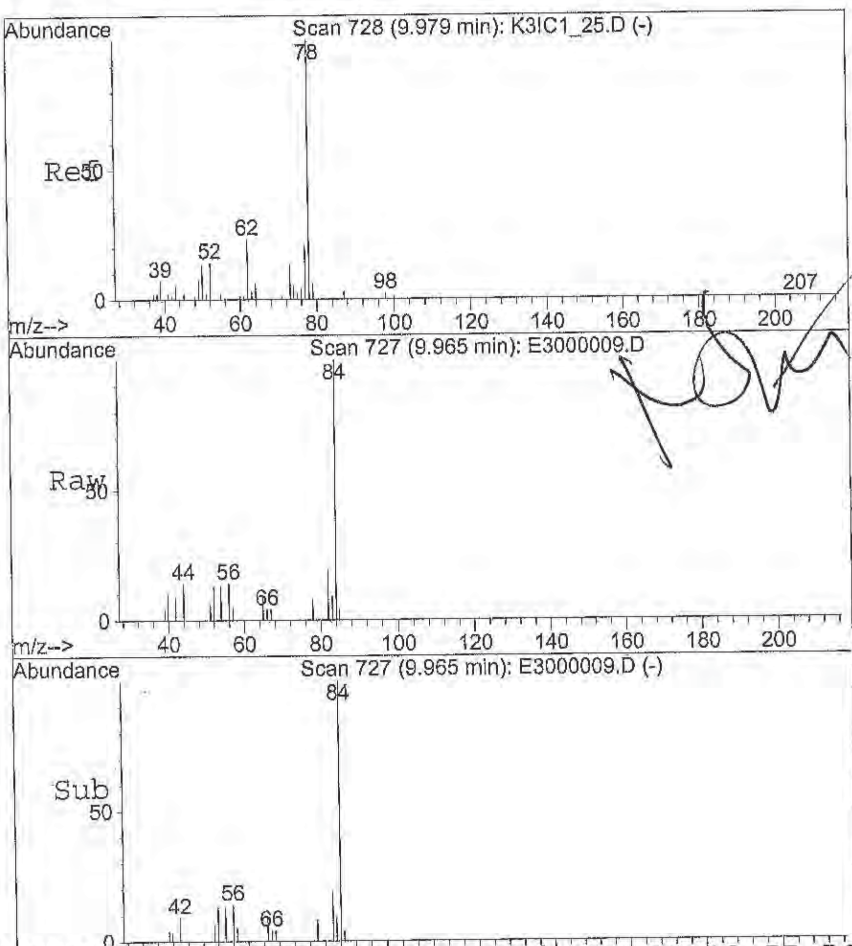


#29
1,1-Dichloropropene
Concen: 0.05 ug/L
RT: 9.92 min Scan# 722
Delta R.T. 0.24 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 75 Resp: 268

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	892.2	25.0	37.4#

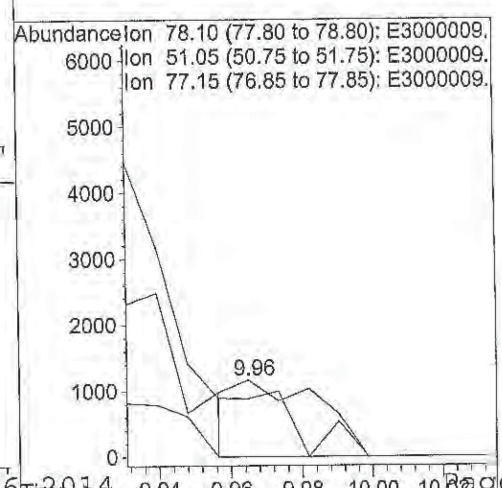


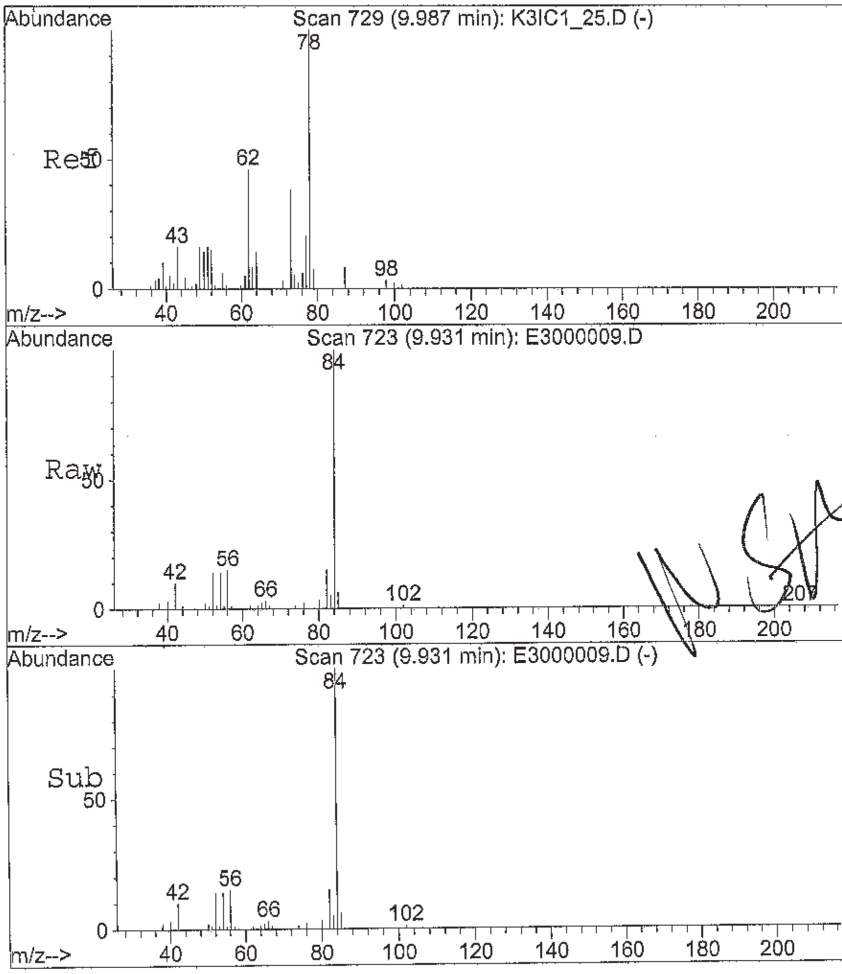


#31
Benzene
Concen: 0.14 ug/L
RT: 9.96 min Scan# 727
Delta R.T. -0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 78 Resp: 1871

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

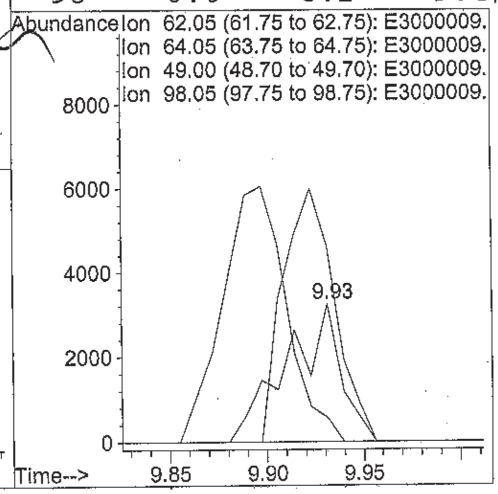


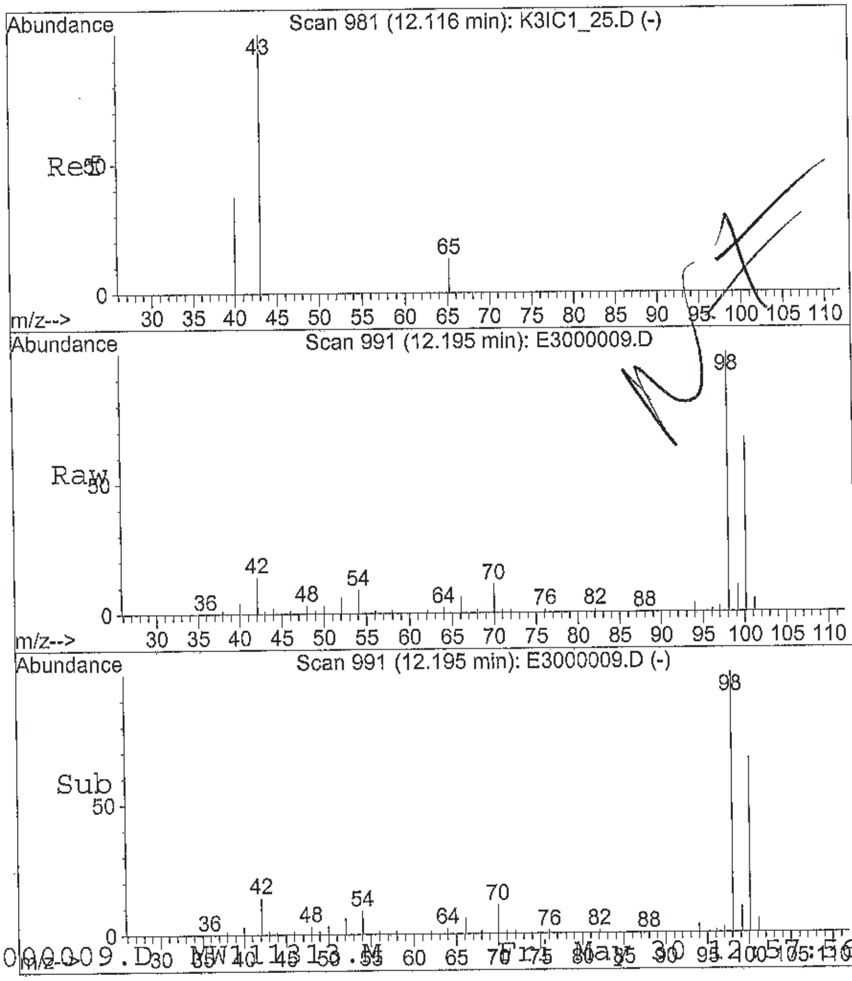


#32
1,2-Dichloroethane
Concen: 1.29 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 62 Resp: 6297

Ion	Ratio	Lower	Upper
62	100		
64	174.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

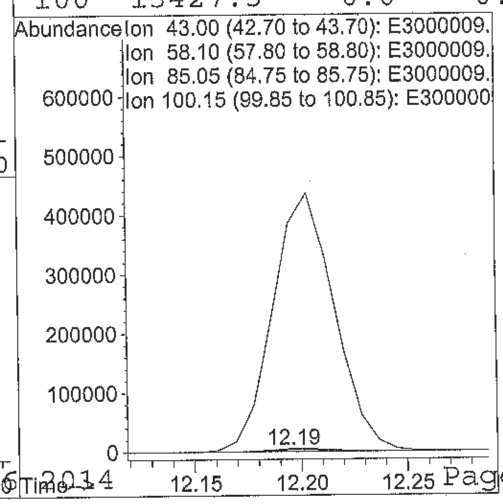


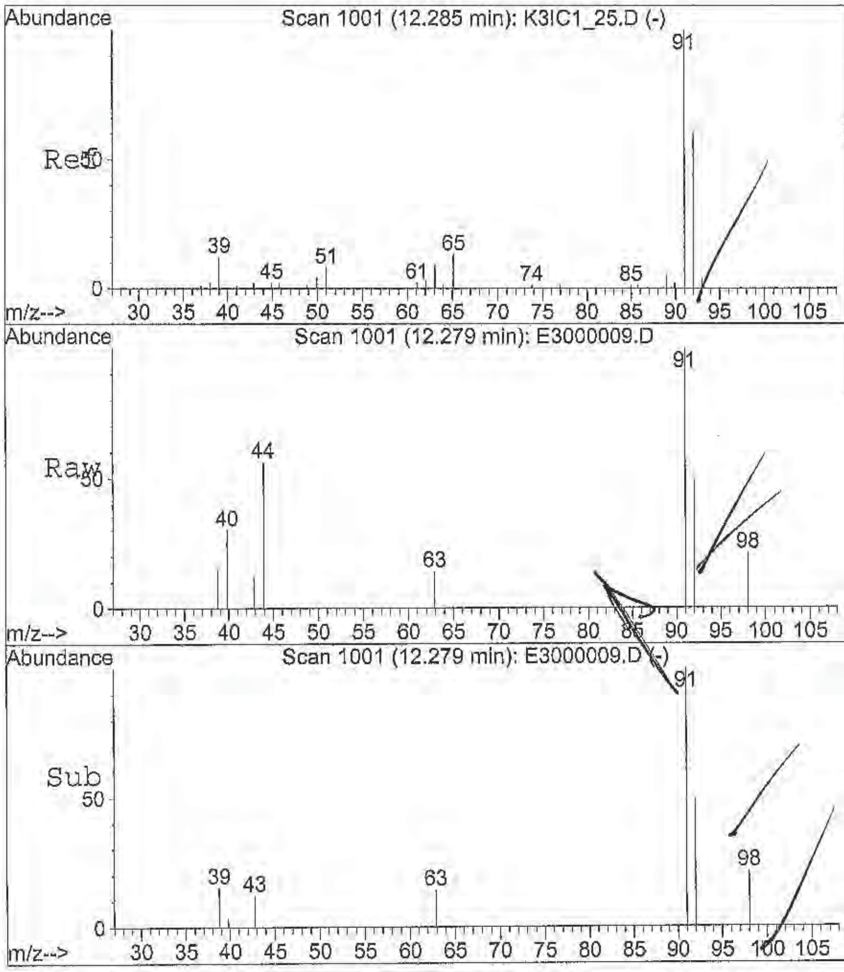


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.71 ug/L
RT: 12.19 min Scan# 991
Delta R.T. 0.08 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 43 Resp: 6553

Ion	Ratio	Lower	Upper
43	100		
58	139.4	0.0	0.0#
85	0.0	0.0	0.0
100	13427.3	0.0	0.0#

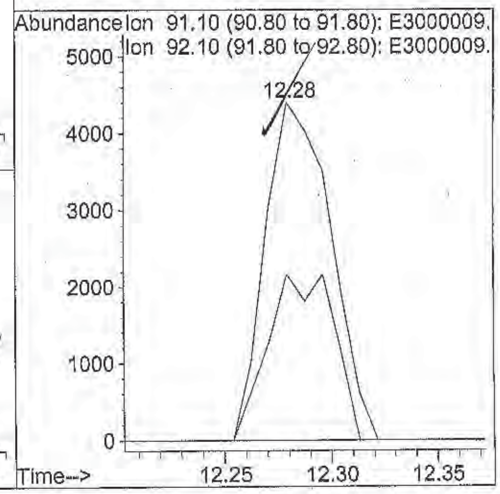


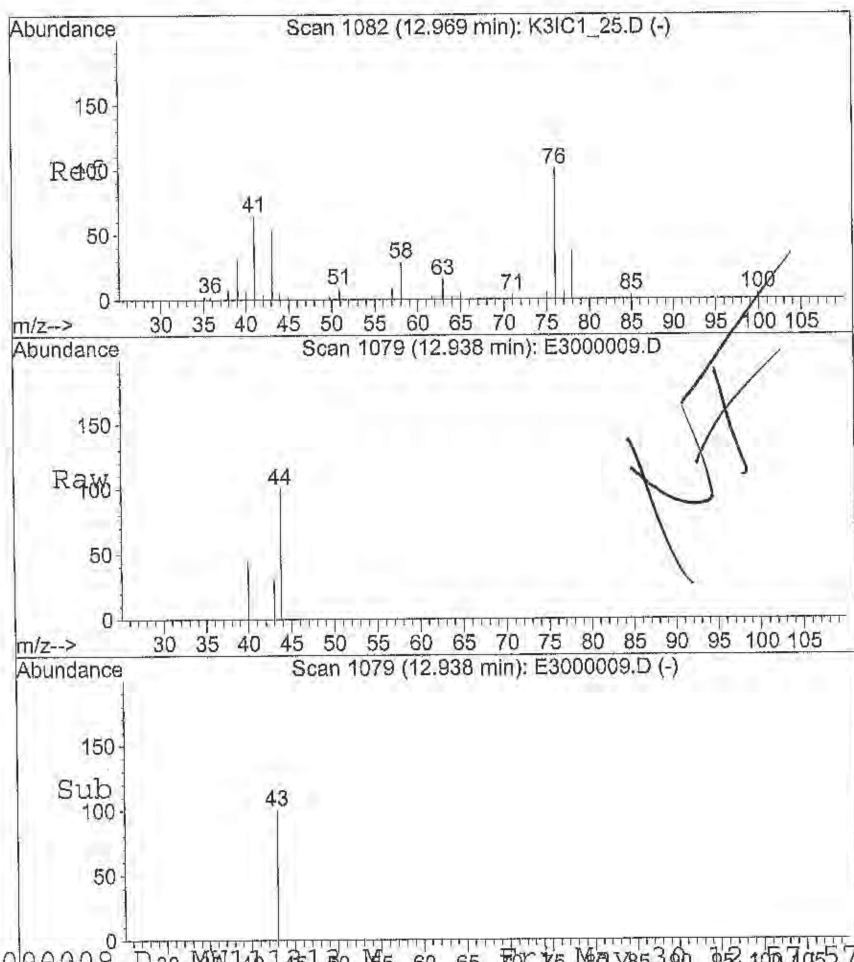


#41
Toluene
Concen: 0.57 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 91 Resp: 9401

Ion	Ratio	Lower	Upper
91	100		
92	49.4	47.4	71.0

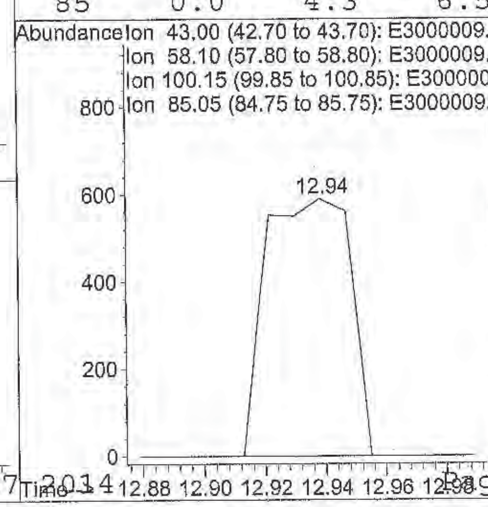


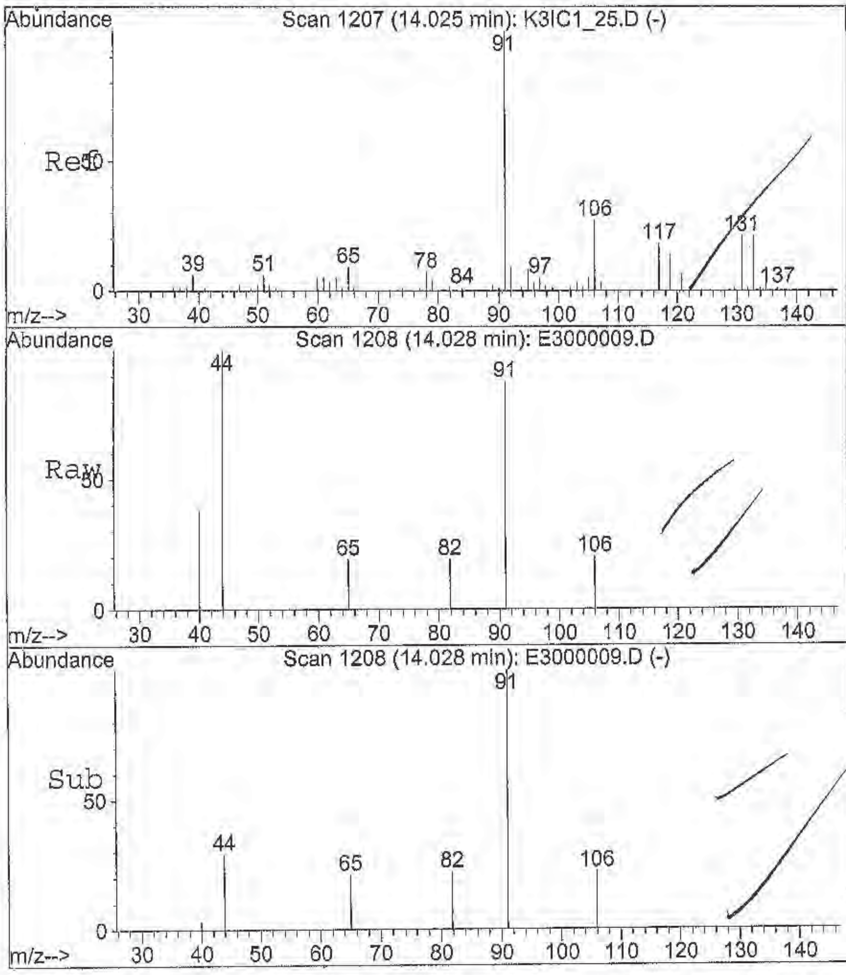


#46
2-Hexanone
Concen: 0.43 ug/L
RT: 12.94 min Scan# 1079
Delta R.T. -0.03 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 43 Resp: 1143

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

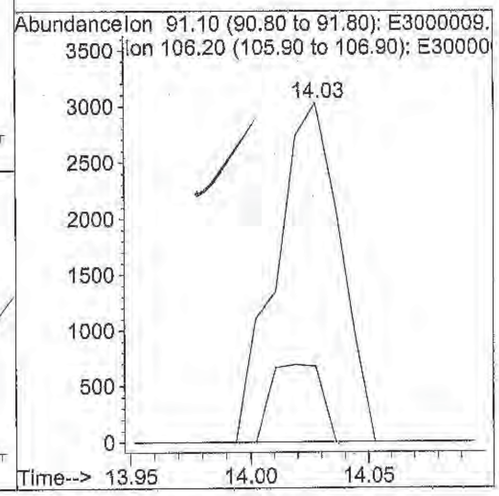


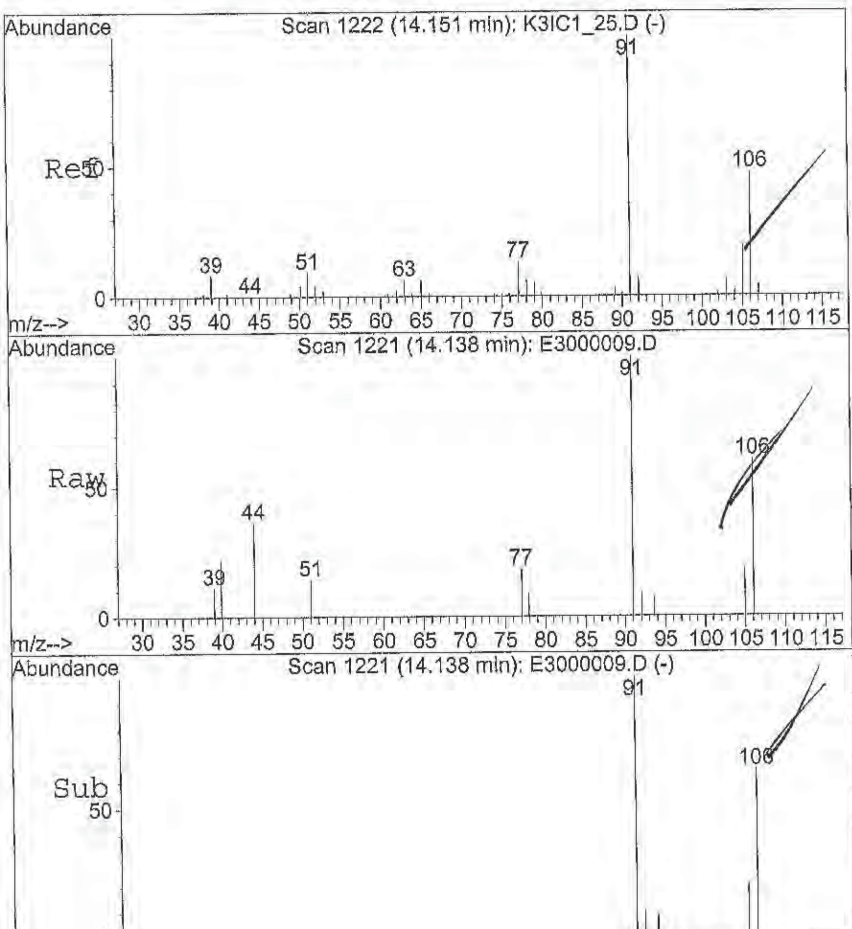


#51
Ethylbenzene
Concen: 0.30 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 91 Resp: 5698

Ion	Ratio	Lower	Upper
91	100		
106	18.0	23.5	35.3#

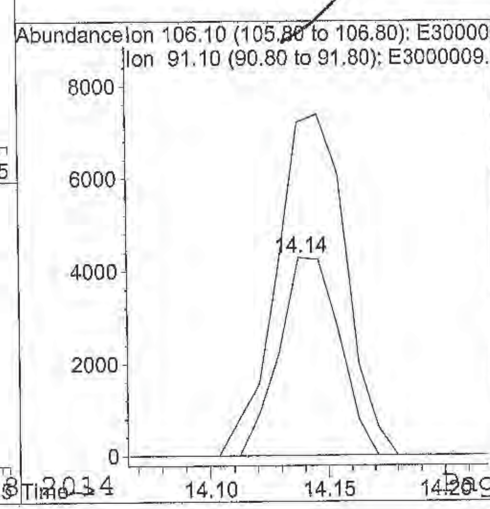


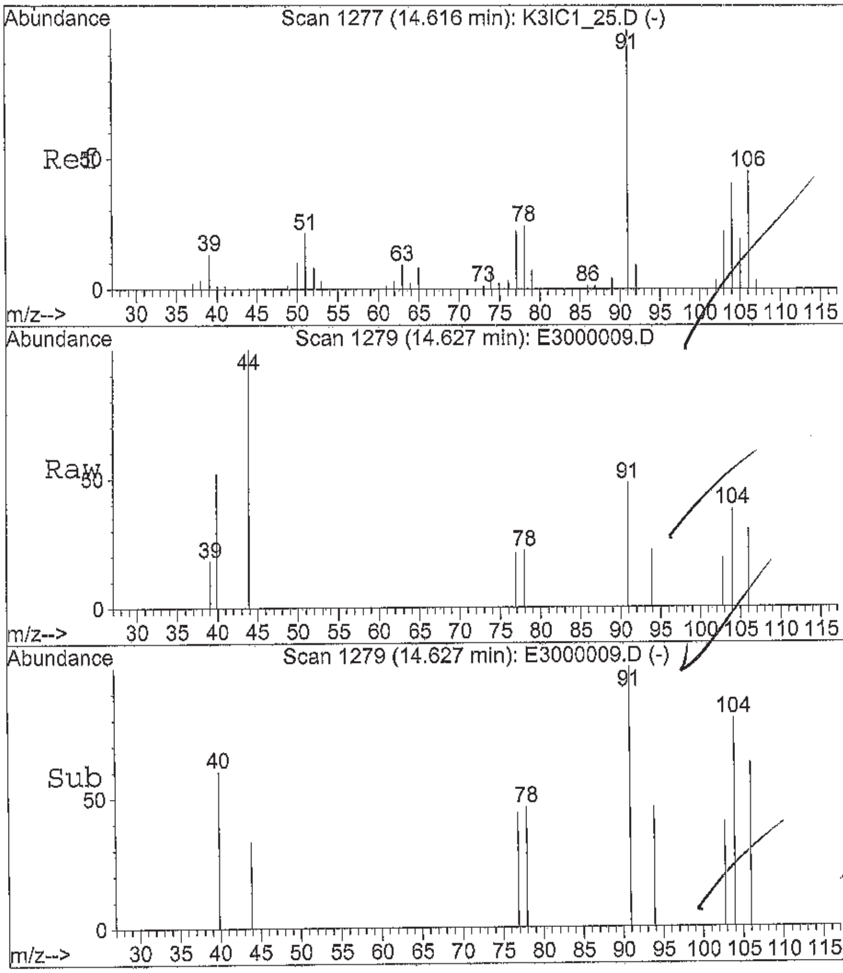


#52
m,p-Xylenes
Concen: 1.15 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:106 Resp: 7684

Ion	Ratio	Lower	Upper
106	100		
91	197.1	177.1	265.7

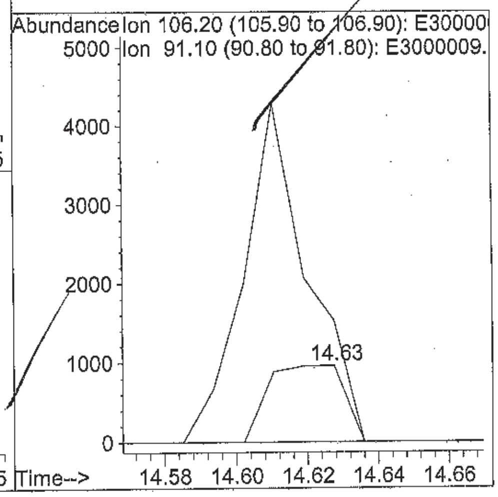


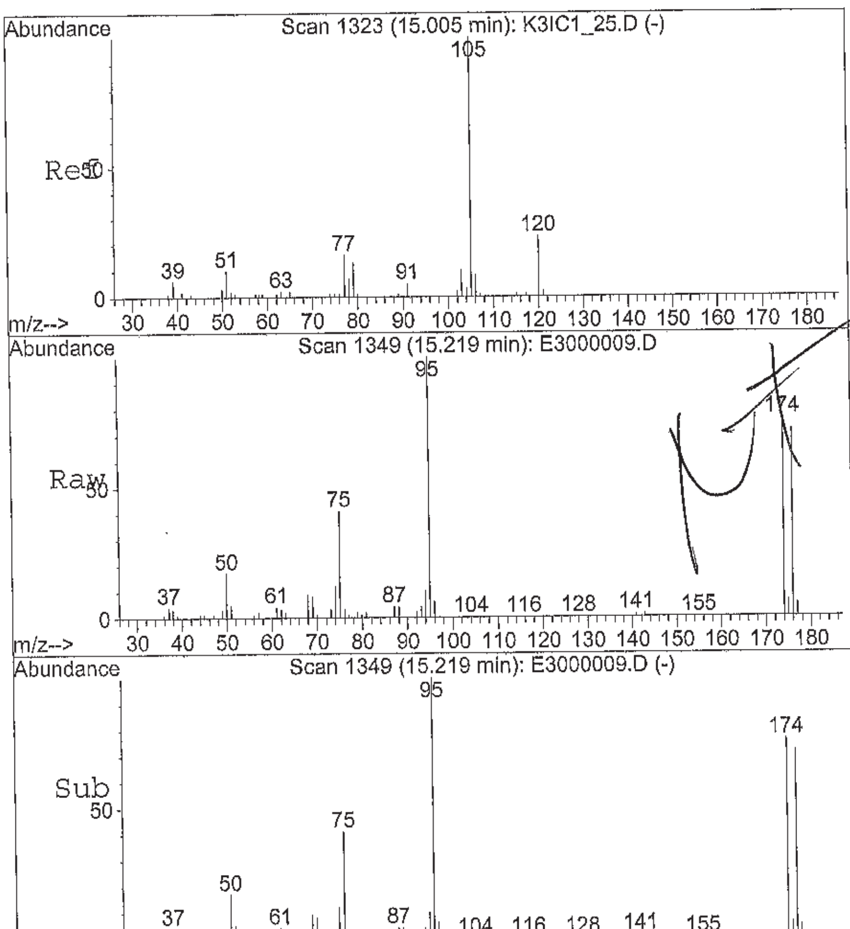


#53
o-Xylene
Concen: 0.21 ug/L
RT: 14.63 min   Scan# 1279
Delta R.T.   0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:106 Resp: 1413

Ion	Ratio	Lower	Upper
106	100		
91	378.2	179.0	268.6#

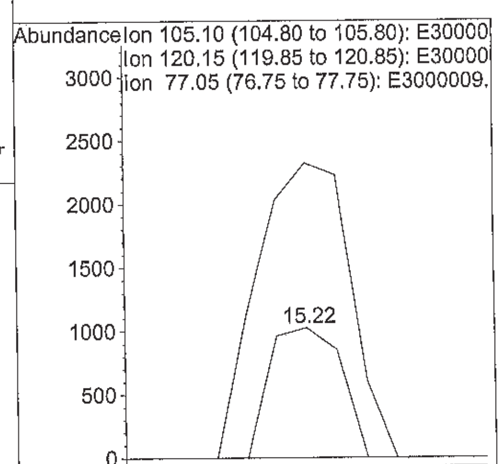


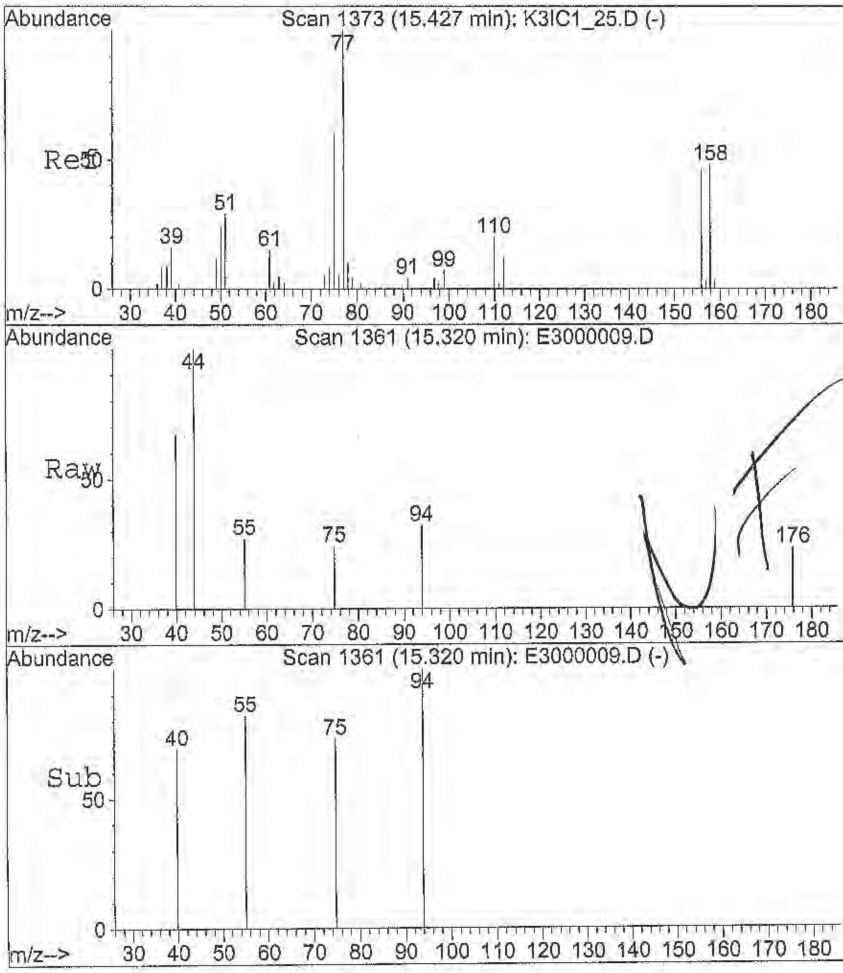


#56
Isopropylbenzene
Concen: 0.08 ug/L
RT: 15.22 min   Scan# 1349
Delta R.T.   0.21 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:105 Resp: 1435

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	294.4	13.1	19.7#

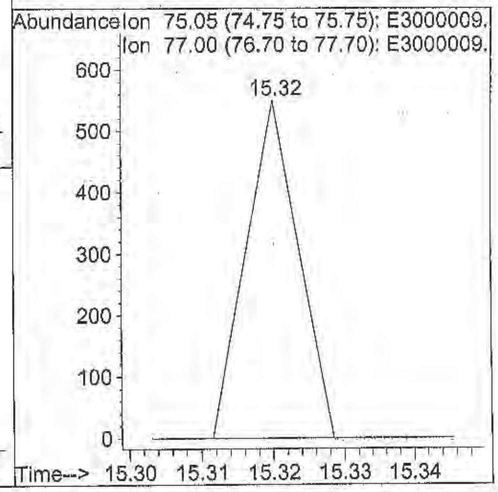


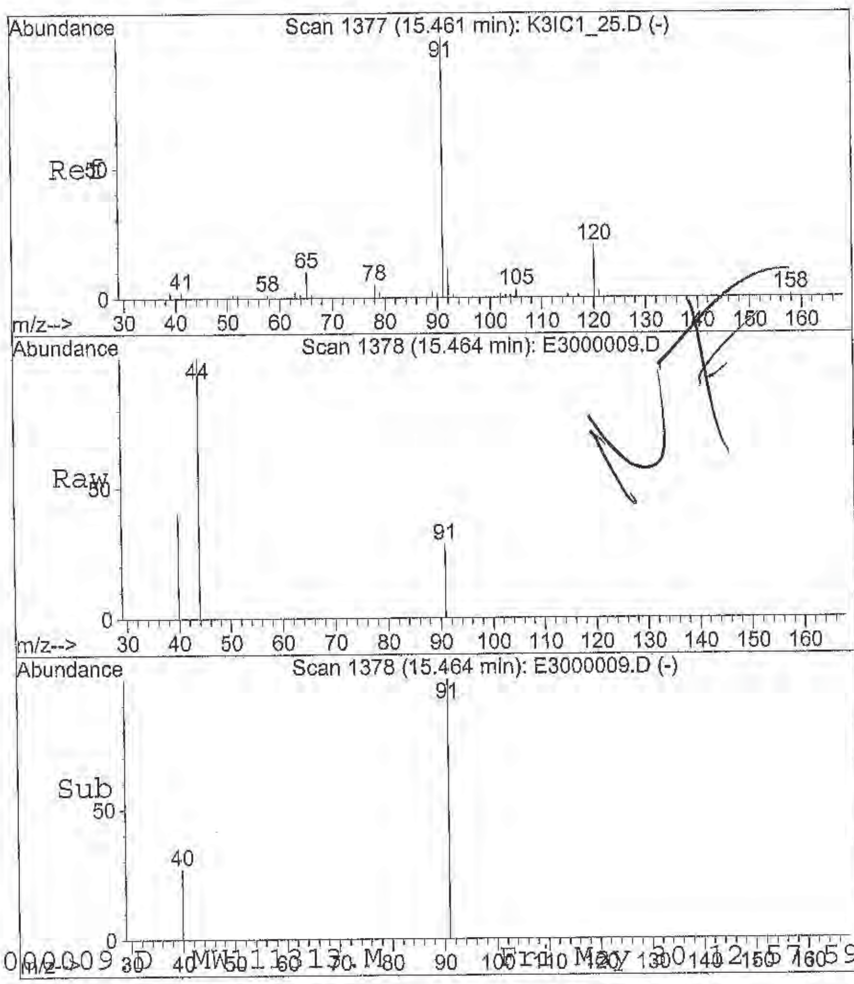


#57
1,2,3-Trichloropropane
Concen: 0.06 ug/L
RT: 15.32 min Scan# 1361
Delta R.T. -0.11 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 75 Resp: 279

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

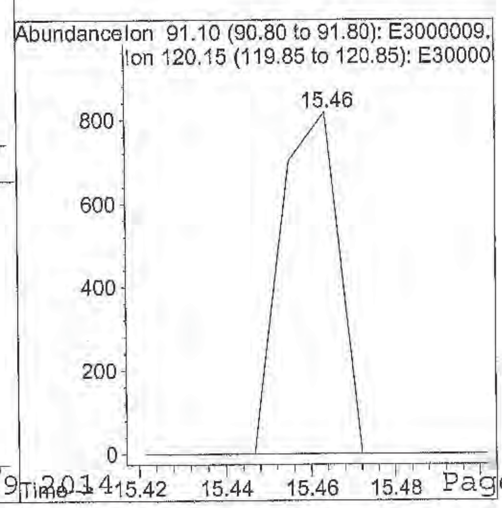


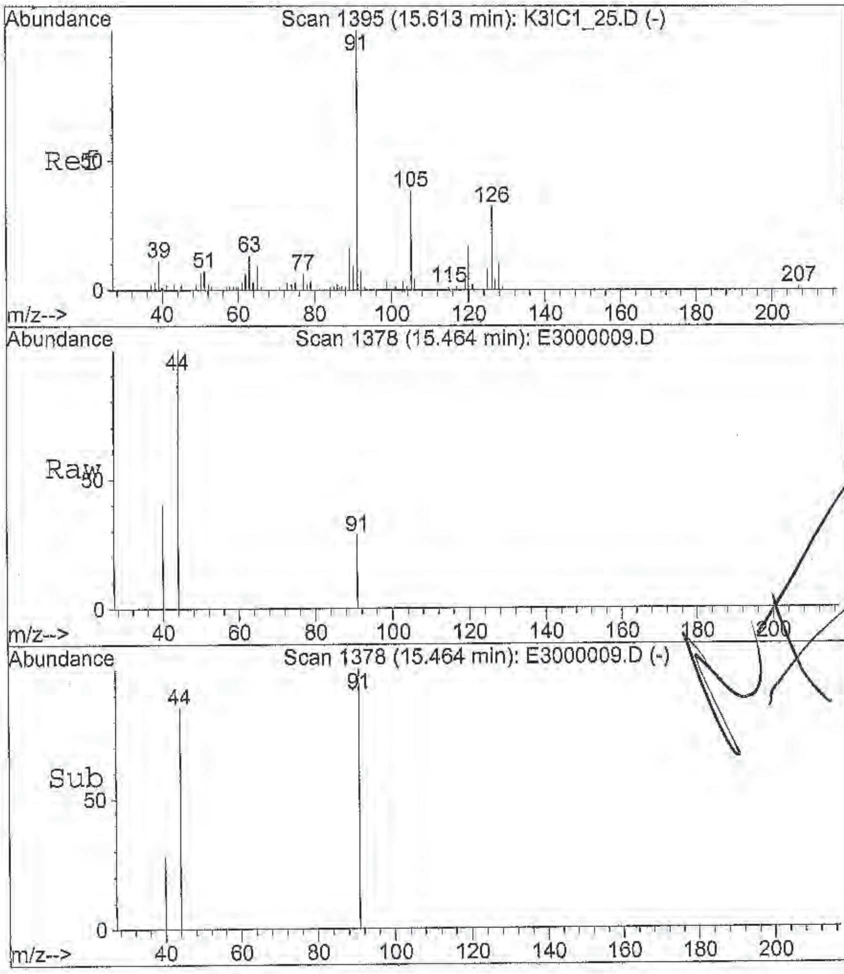


#62
n-Propylbenzene
Concen: 0.03 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion: 91 Resp: 770

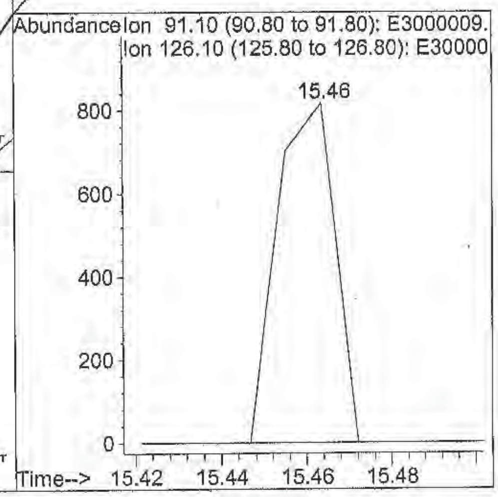
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

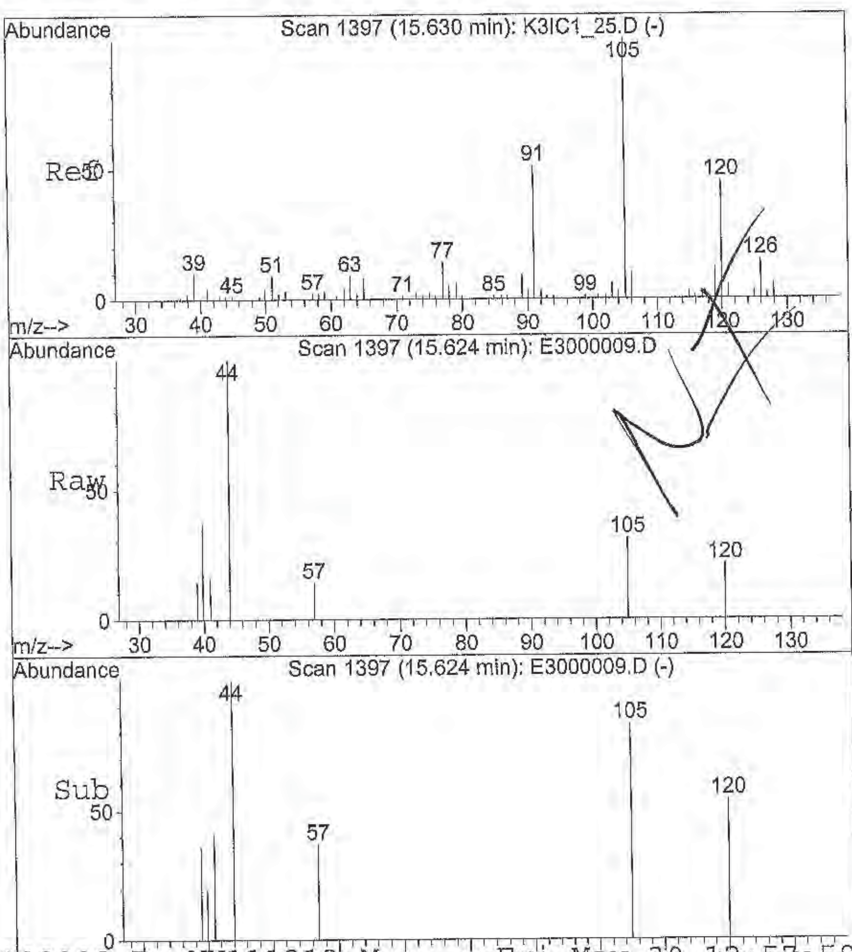




#63
2-Chlorotoluene
Concen: 0.05 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. -0.15 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

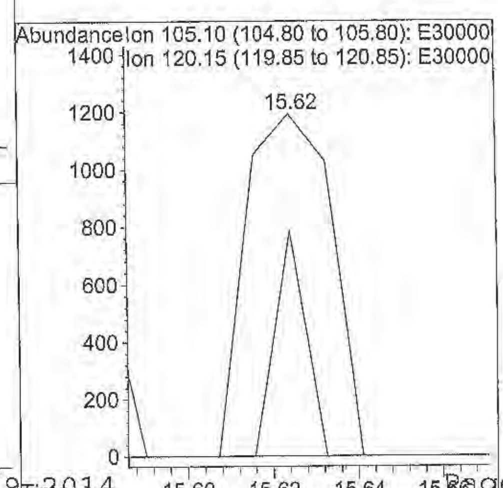
Tgt Ion: 91	Resp:		770
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

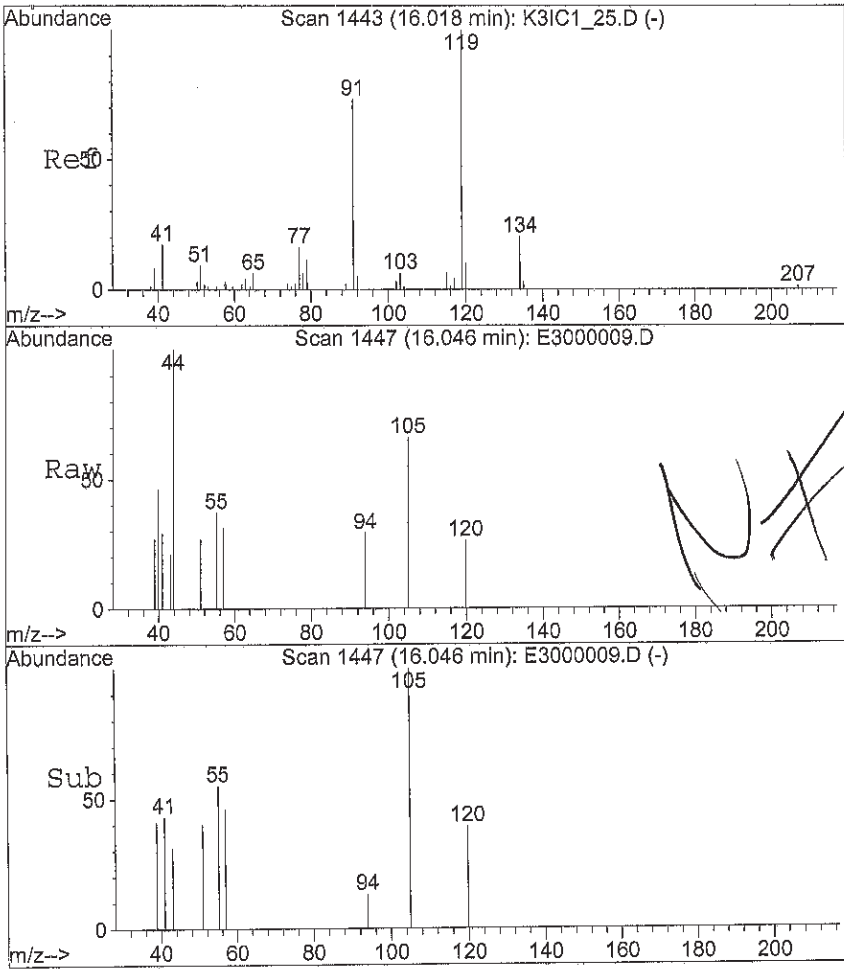




#64
1,3,5-Trimethylbenzene
Concen: 0.10 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:105	Resp:		1658
Ion	Ratio	Lower	Upper
105	100		
120	24.0	36.4	54.6#

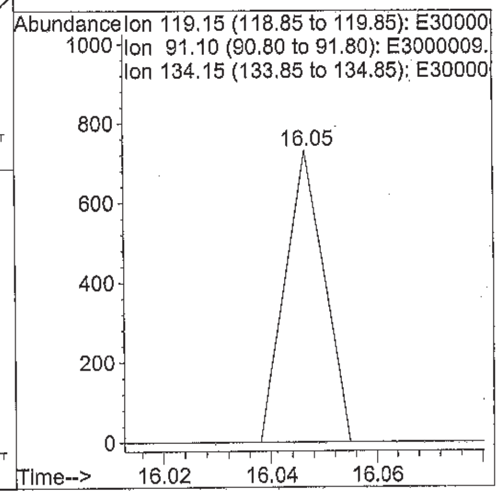


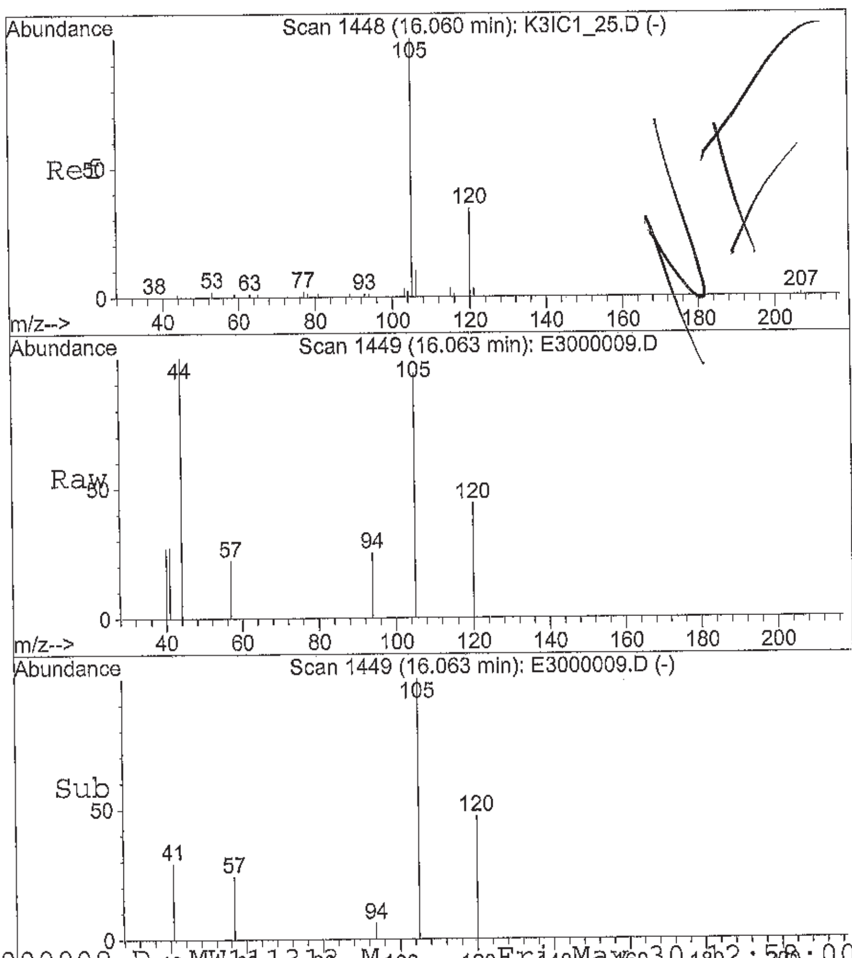


#66
tert-Butylbenzene
Concen: 0.03 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. 0.03 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:119 Resp: 370

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

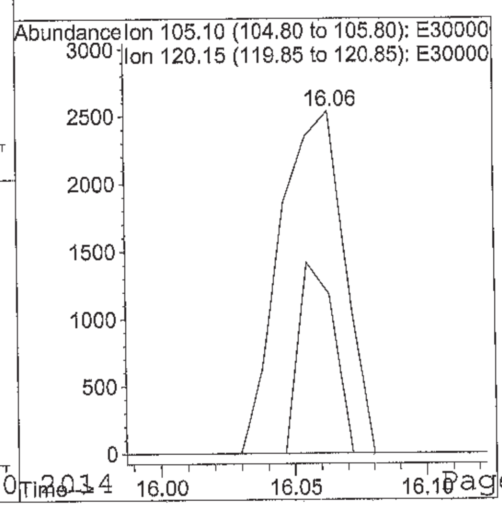


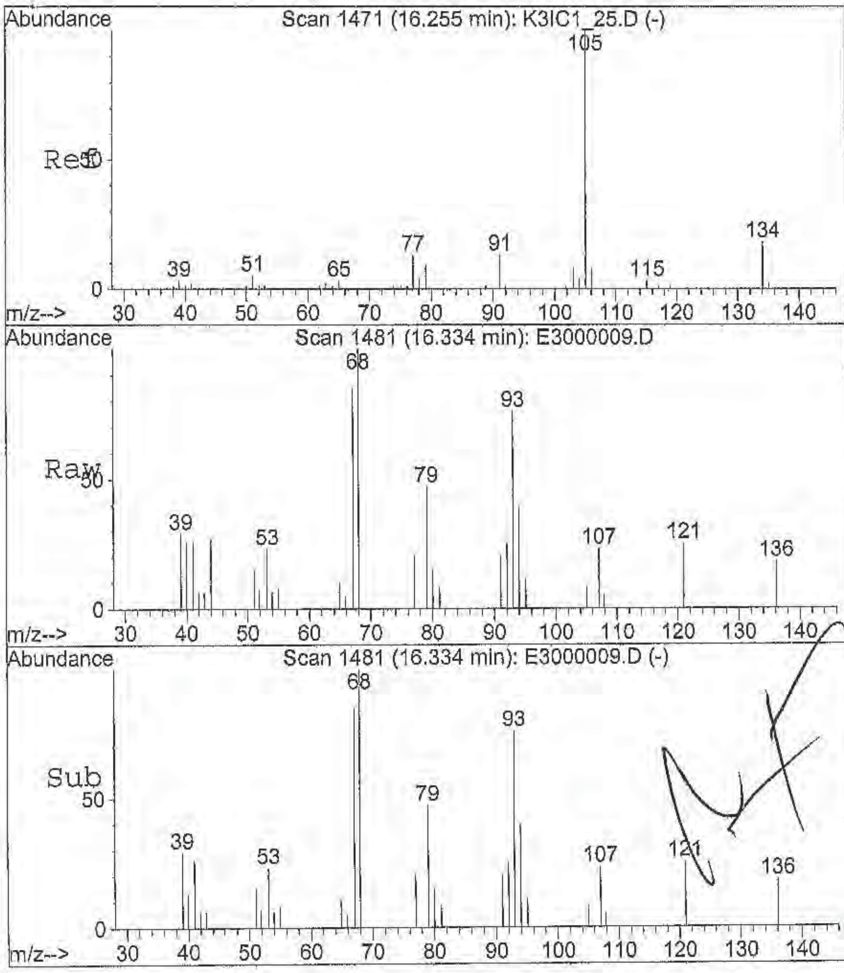


#67
1,2,4-Trimethylbenzene
Concen: 0.25 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:105 Resp: 4271

Ion	Ratio	Lower	Upper
105	100		
120	30.8	33.8	50.8#

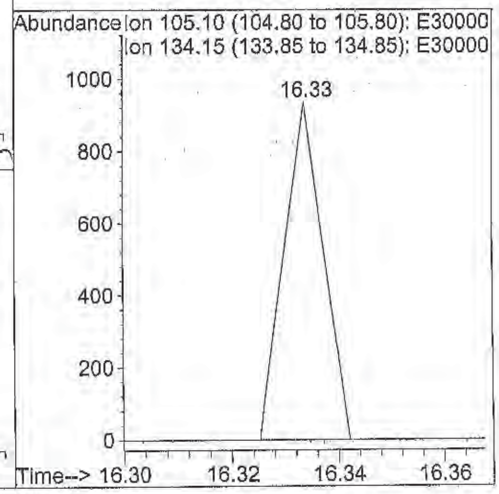


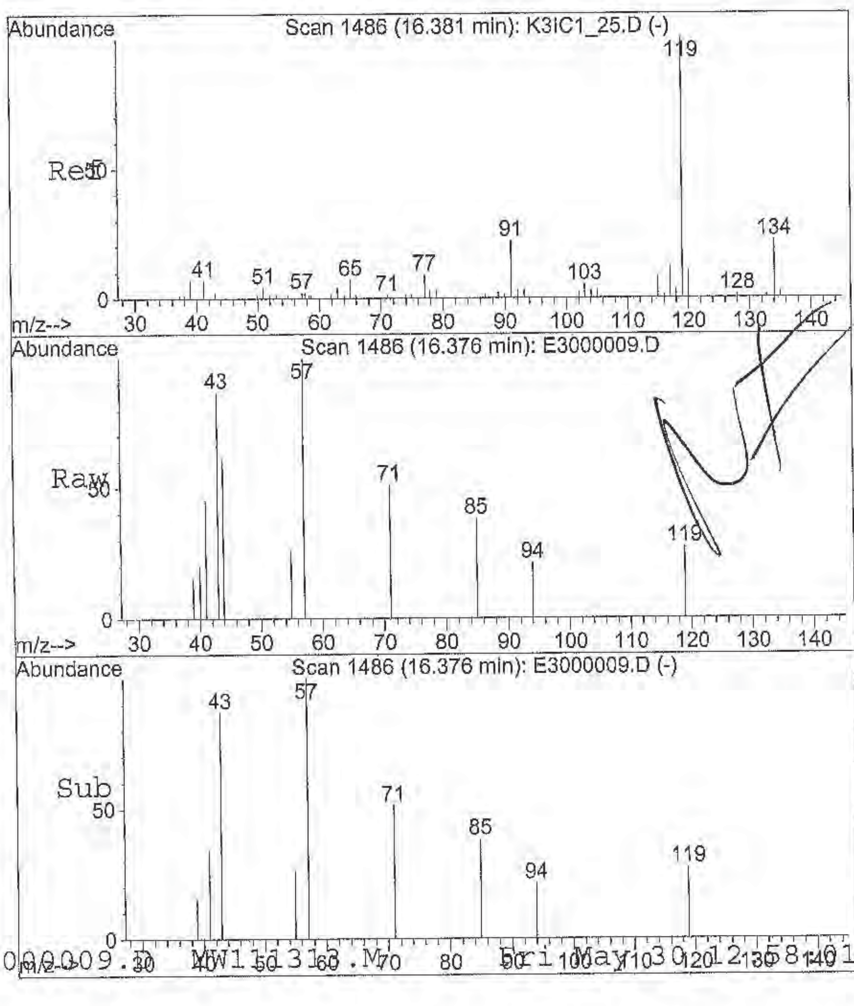


#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:105 Resp: 475

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

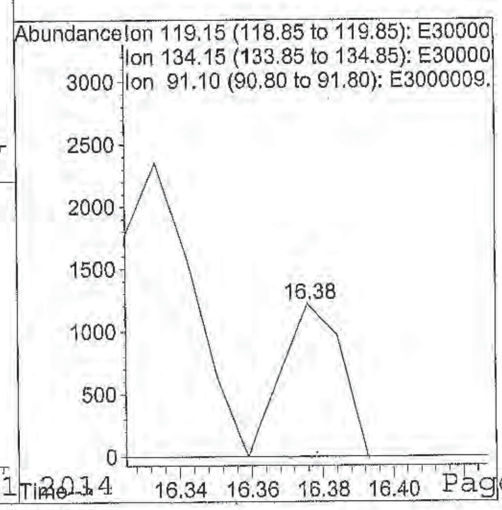




#69
p-Isopropyltoluene
Concen: 0.08 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E3000009.D
Acq: 30 May 2014 12:33 pm

Tgt Ion:119 Resp: 1417

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



```
Data File : C:\HPCHEM\1\DATA\053014L3\E3000009.D          Vial: 8
Acq On    : 30 May 2014  12:33 pm                      Operator: DN
Sample    : 3E43001-08                                 Inst    : GC/MS Ins
Misc      : 100cc  SVL-550-SA5D-SV-17.0-18.0           Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:23 19114              Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1467890	12.50 ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1213058	12.50 ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	667526	12.50 ug/L	-0.01

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	422085	11.06 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	= 88.48%	
3) Chloroform-d (SU6)	9.18	84	656505	11.99 ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery	= 95.92%	
4) Methylene Chloride-d2 (SU5	7.06	86	368298	11.50 ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery	= 92.00%	
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	407848	15.63 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	= 125.04%#	
6) Benzene-d6 (SU7)	9.92	84	1270900	11.03 ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery	= 88.24%	
8) Toluene-d8 (SU3)	12.20	98	1314718	11.42 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery	= 91.36%	
9) 4-Bromofluorobenzene (SU4)	15.22	95	684383	14.40 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	= 115.20%	

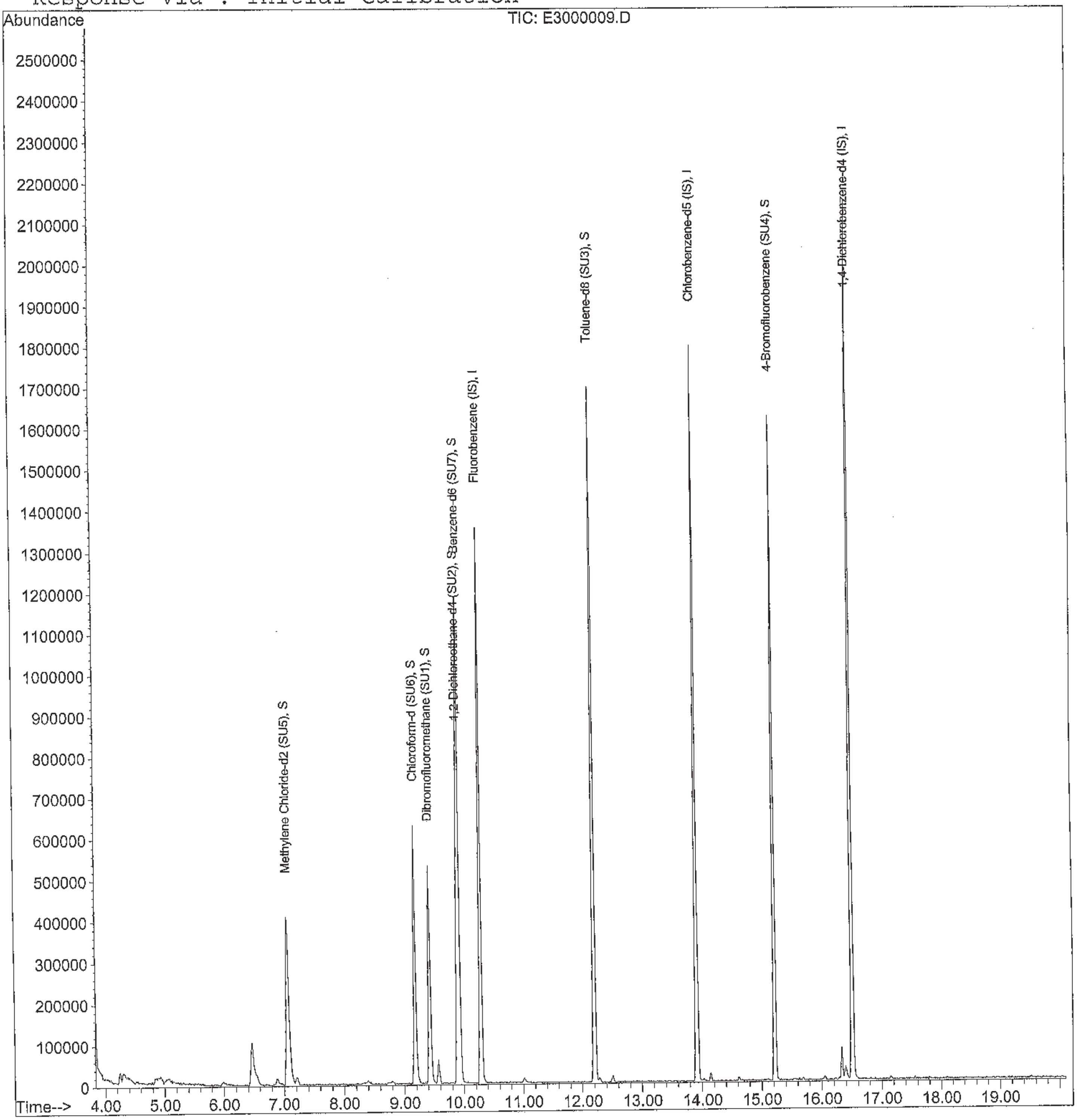
Target Compounds   Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000009.D   Vial: 8
Acq On : 30 May 2014 12:33 pm   Operator: DN
Sample : 3E43001-08   Inst : GC/MS Ins
Misc : 100cc SVL-550-SA5D-SV-17.0-18.0   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:23 19114   Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\053014L3\E3000010.D Vial: 1
Acq On : 30 May 2014 1:01 pm Operator: DN
Sample : 3E43001-09 Inst : GC/MS Ins
Misc : 100cc FB-053014 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:28 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.28	96	1340657	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1141105	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	627627	12.50	ug/L	0.00

System Monitoring Compounds

	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	395584	11.83	ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery =	94.64%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	388115	12.21	ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery =	97.68%		
39) Toluene-d8 (SU3)	12.20	98	1197814	11.25	ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery =	90.00%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	638434	13.68	ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery =	109.44%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.08	85	645	0.20	~~ug/L~~ #	44
4) Chloromethane	4.39	50	1620	-0.50	~~ug/L~~ #	41
6) Bromomethane	5.07	96	1983	-0.43	~~ug/L~~ #	1
7) Chloroethane	5.23	64	643	1.26	~~ug/L~~ #	32
11) Acetone	6.47	58	4313	3.25	~~ug/L~~	76
12) (IPA) Leak Check Compound	6.47	45	179145	1112.02	~~ug/L~~ #	83
13) Carbon disulfide	6.84	76	266	0.02	~~ug/L~~ #	76
14) Methylene Chloride	7.06	84	5417	1.47	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.88	59	402	1.76	~~ug/L~~ #	77
24) Chloroform	9.22	83	1901	0.27	~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.31	59	346	0.04	ug/L #	44
31) Benzene	9.92	78	10486	0.83	~~ug/L~~ #	74
32) 1,2-Dichloroethane	9.92	62	5658	1.27	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	8037	3.53	~~ug/L~~ #	100
41) Toluene	12.29	91	9061	0.58	ug/L 0.0116	95
46) 2-Hexanone	13.10	43	2524	1.01	~~ug/L~~ #	37
51) Ethylbenzene	14.15	91	4697	0.27	~~ug/L~~	93
52) m,p-Xylenes	14.14	106	1852	0.29	ug/L 0.0058	80
53) o-Xylene	14.61	106	307	0.05	~~ug/L~~ 0.001	1
54) Styrene	14.63	104	2435	-0.60	~~ug/L~~ #	86
56) Isopropylbenzene	15.01	105	303	0.02	~~ug/L~~ #	55
62) n-Propylbenzene	15.46	91	1121	0.04	~~ug/L~~ #	56

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E3000010.D Vial: 1
Acq On : 30 May 2014 1:01 pm Operator: DN
Sample : 3E43001-09 Inst : GC/MS Ins
Misc : 100cc FB-053014 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:28 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	2-Chlorotoluene	15.46	91	1121	0.07 ~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.62	105	856	0.05 ~~ug/L~~ #	31
67)	1,2,4-Trimethylbenzene	16.06	105	6701	0.41 ~~ug/L~~	92
68)	sec-Butylbenzene	16.25	105	346	0.02 ~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	11244	0.66 ~~ug/L~~	98
72)	n-Butylbenzene	16.85	91	386	0.02 ~~ug/L~~ #	30
77)	Naphthalene	19.45	128	2759	0.22 ~~ug/L~~	100

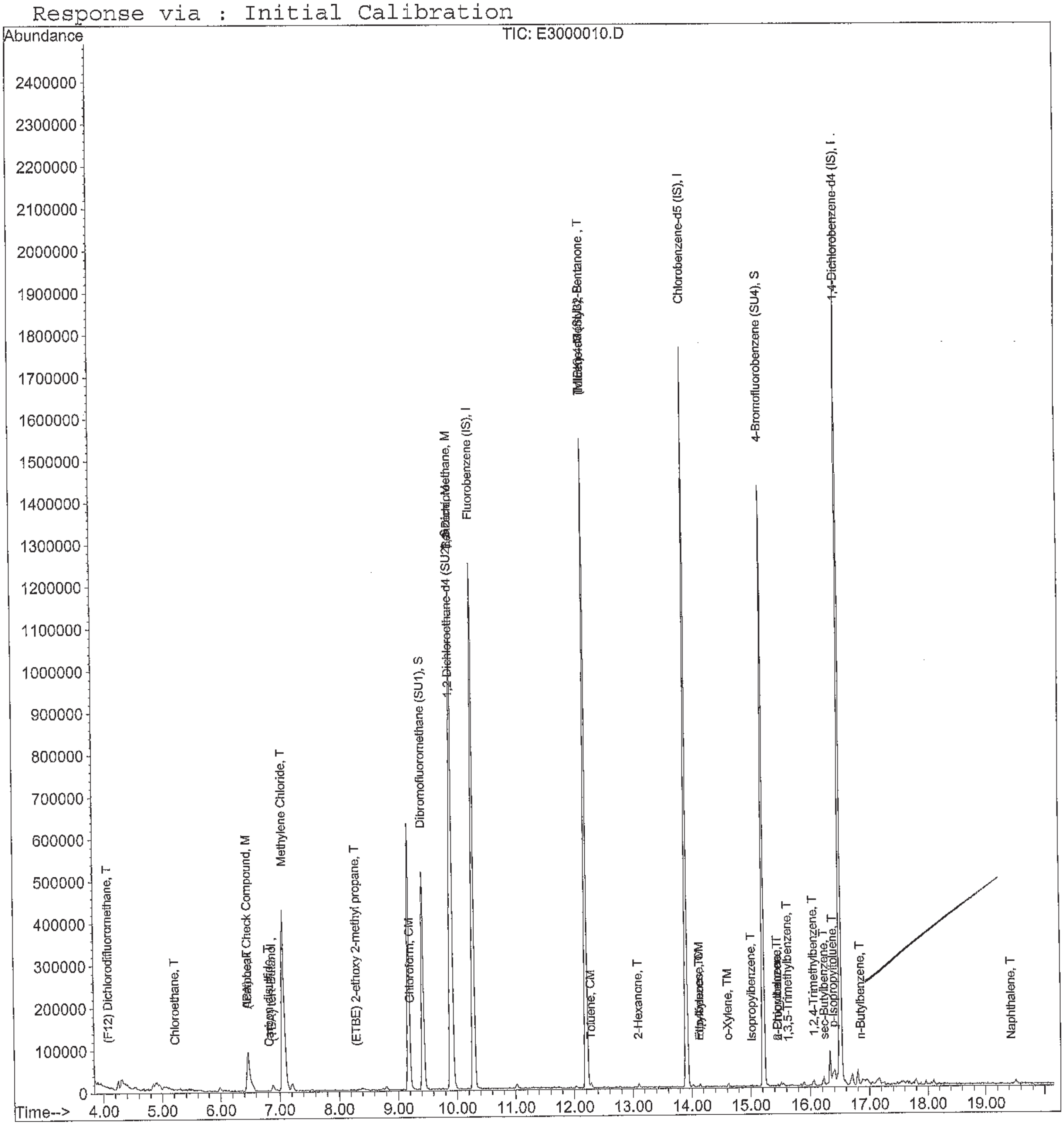
ug/M

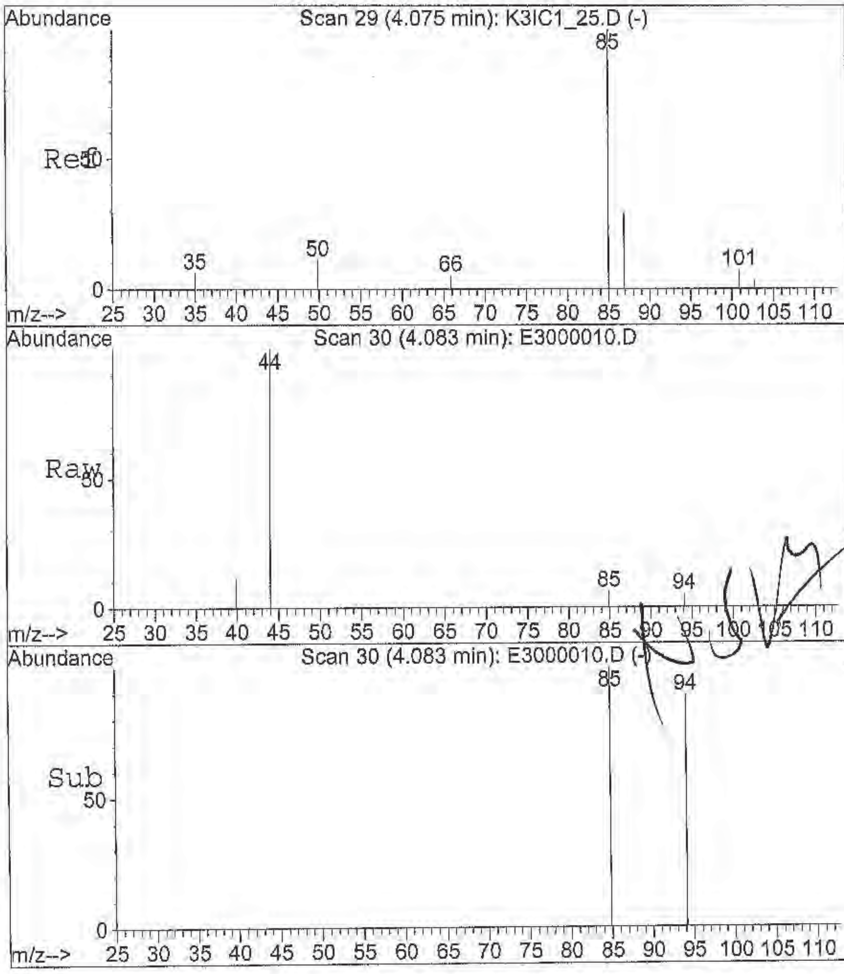
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000010.D Vial: 1
Acq On : 30 May 2014 1:01 pm Operator: DN
Sample : 3E43001-09 Inst : GC/MS Ins
Misc : 100cc FB-053014 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:28 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

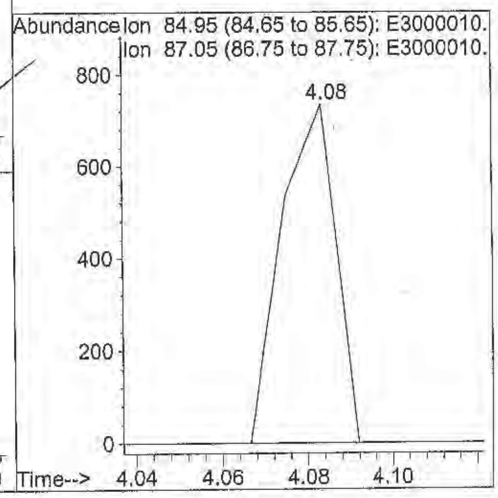


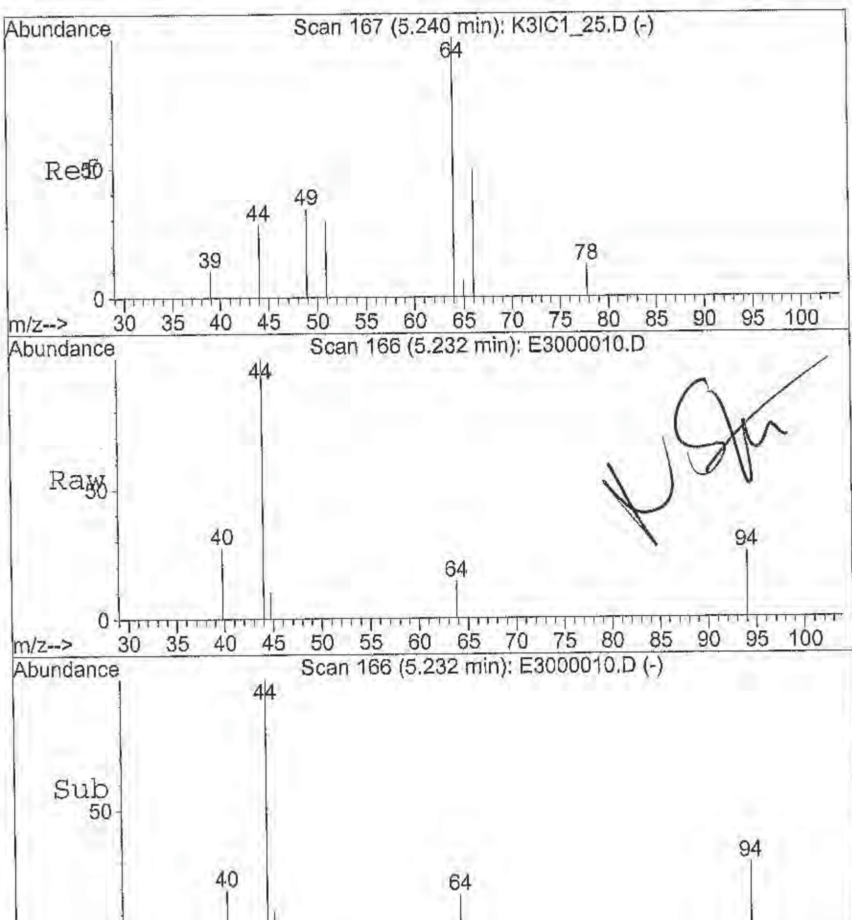


#3
(F12) Dichlorodifluoromethane
Concen: 0.20 ug/L
RT: 4.08 min Scan# 30
Delta R.T. 0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 85 Resp: 645

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

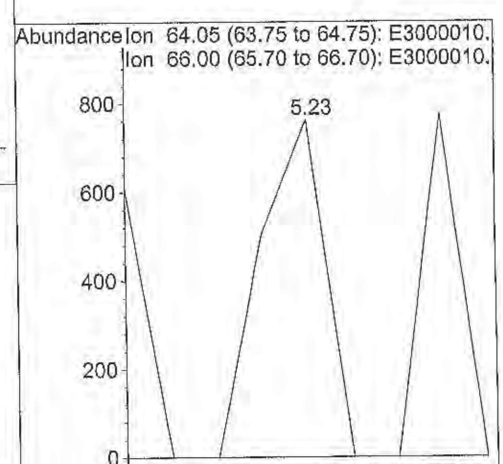


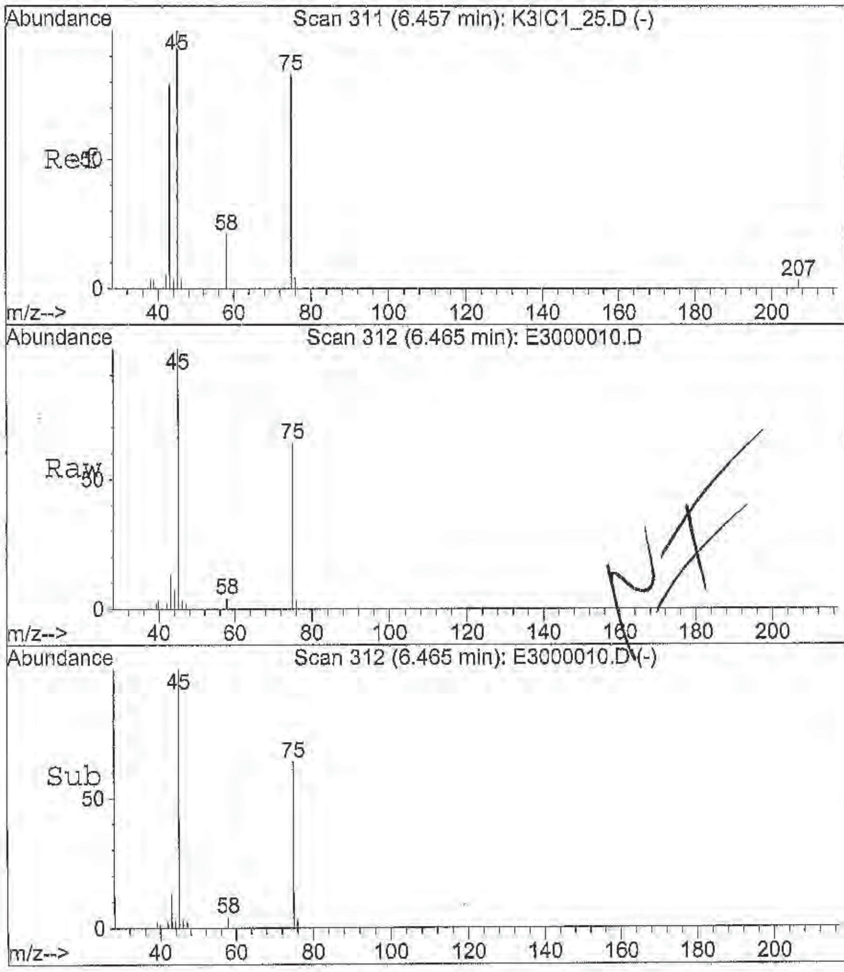


#7
Chloroethane
Concen: 1.26 ug/L
RT: 5.23 min Scan# 166
Delta R.T. -0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 64 Resp: 643

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

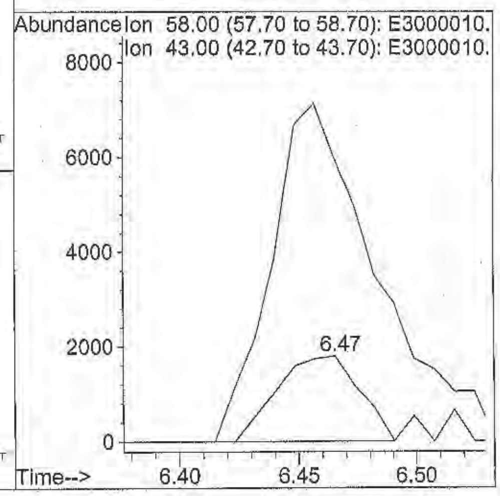


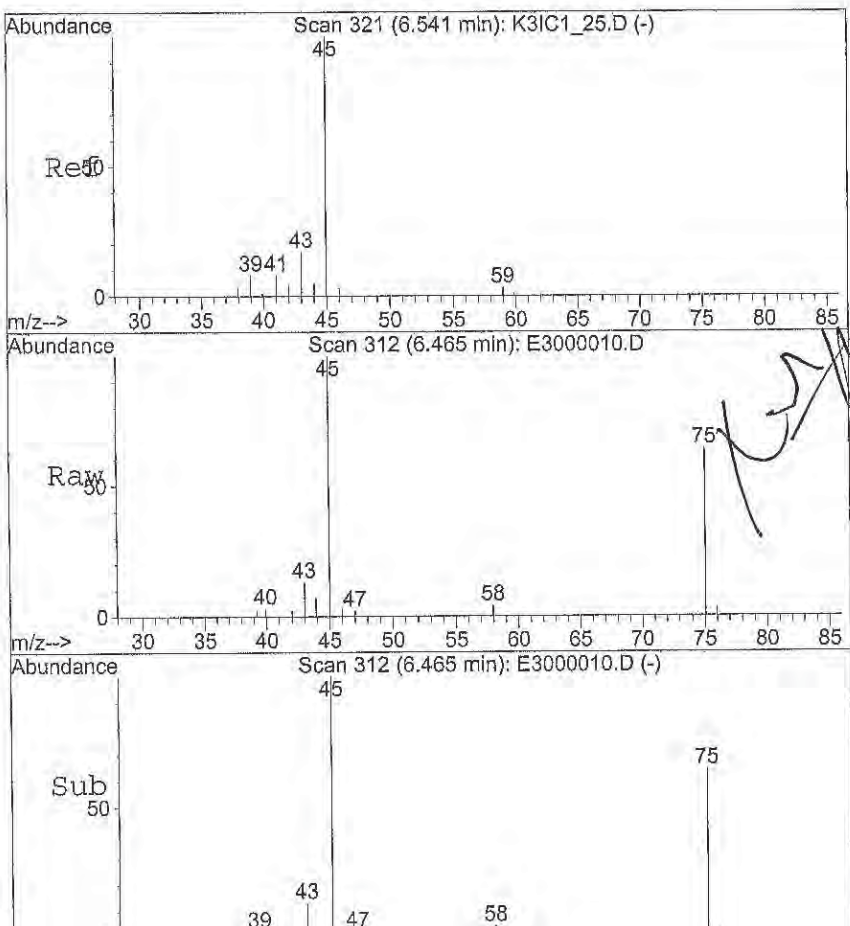


#11
Acetone
Concen: 3.25 ug/L
RT: 6.47 min Scan# 312
Delta R.T. 0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 58 Resp: 4313

Ion	Ratio	Lower	Upper
58	100		
43	512.8	360.9	541.3

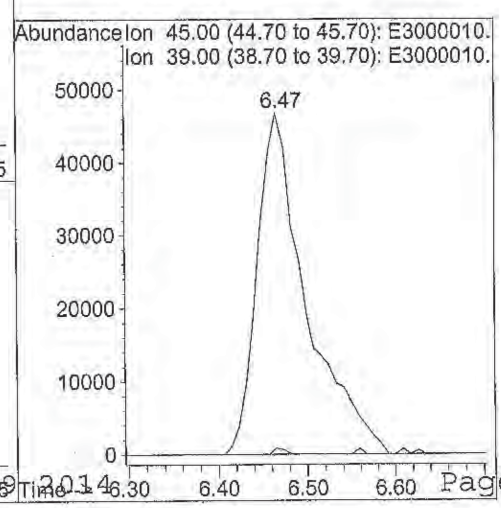


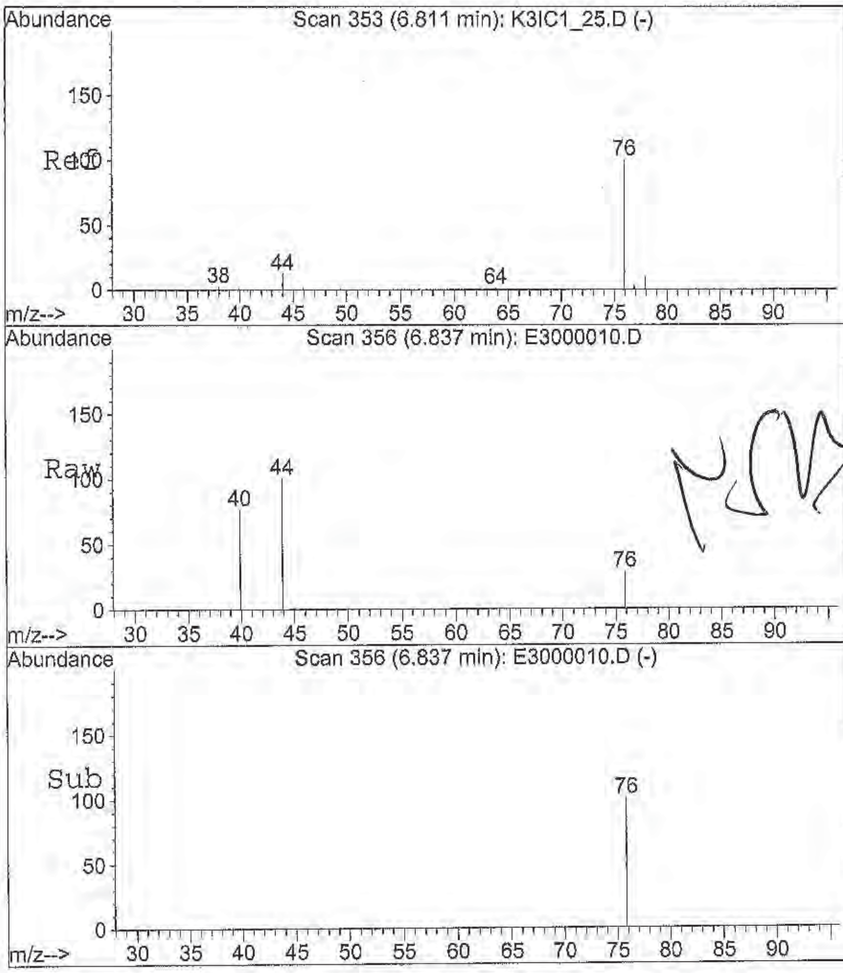


#12
(IPA) Leak Check Compound
Concen: 1112.02 ug/L
RT: 6.47 min Scan# 312
Delta R.T. -0.08 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 45 Resp: 179145

Ion	Ratio	Lower	Upper
45	100		
39	0.4	4.9	7.3#

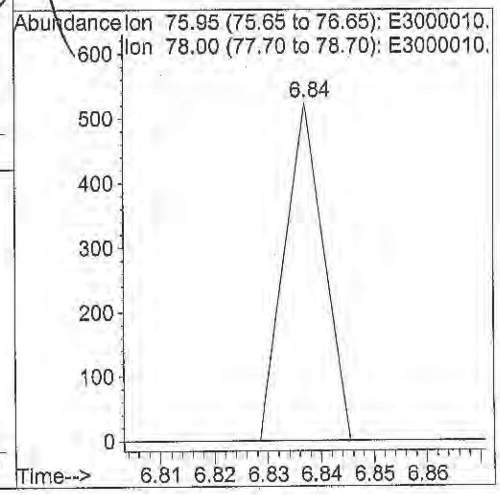


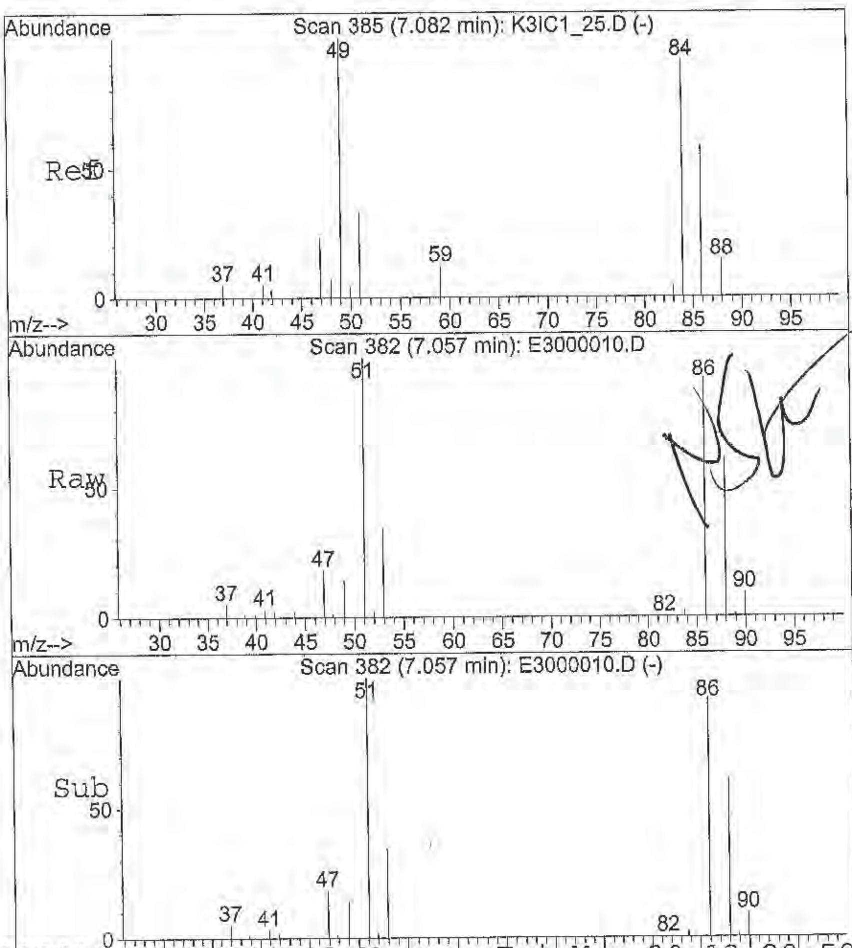


#13
Carbon disulfide
Concen: 0.02 ug/L
RT: 6.84 min Scan# 356
Delta R.T. 0.03 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 76 Resp: 266

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

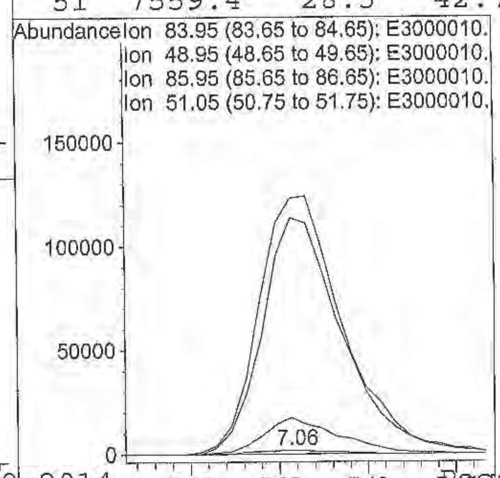


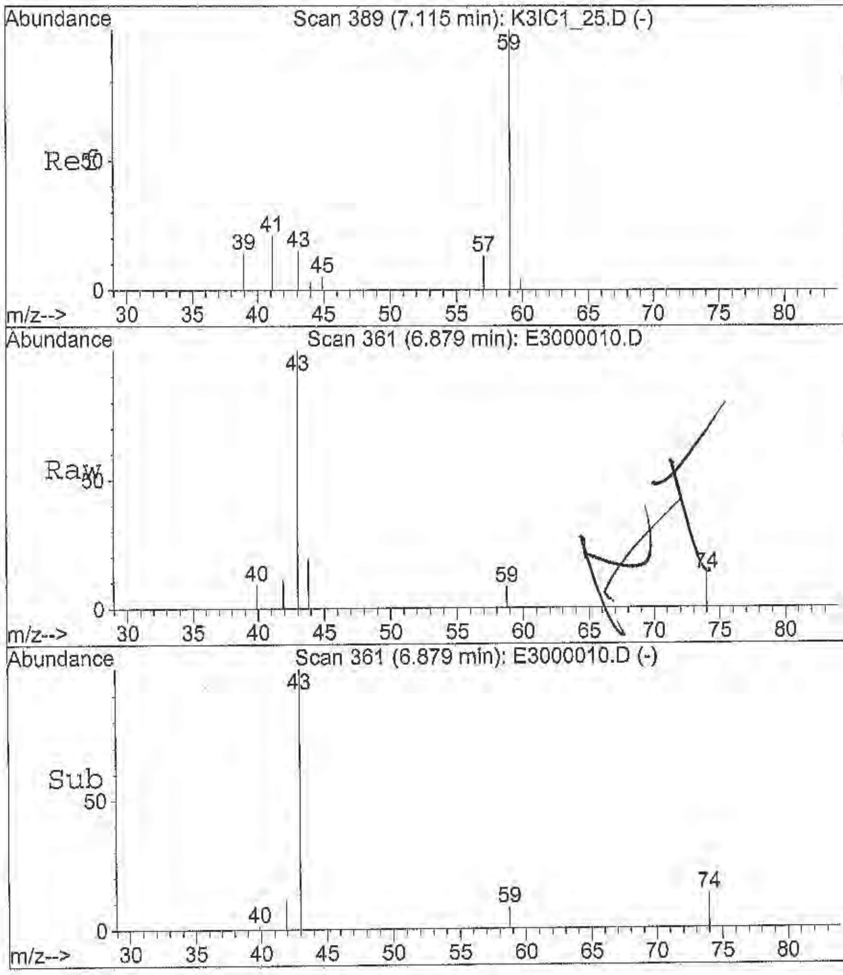


#14
Methylene Chloride
Concen: 1.47 ug/L
RT: 7.06 min Scan# 382
Delta R.T. -0.02 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 84 Resp: 5417

Ion	Ratio	Lower	Upper
84	100		
49	932.4	89.8	134.6#
86	6624.4	51.1	76.7#
51	7559.4	28.5	42.7#

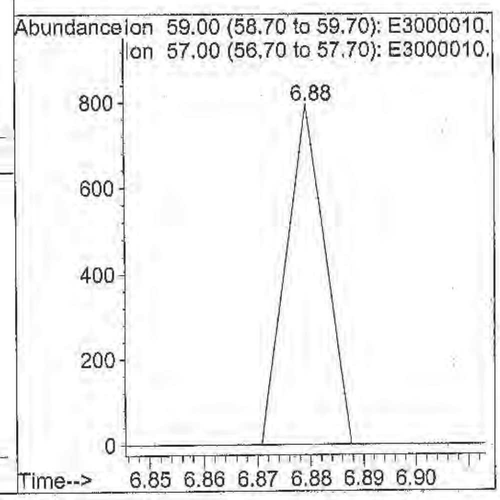


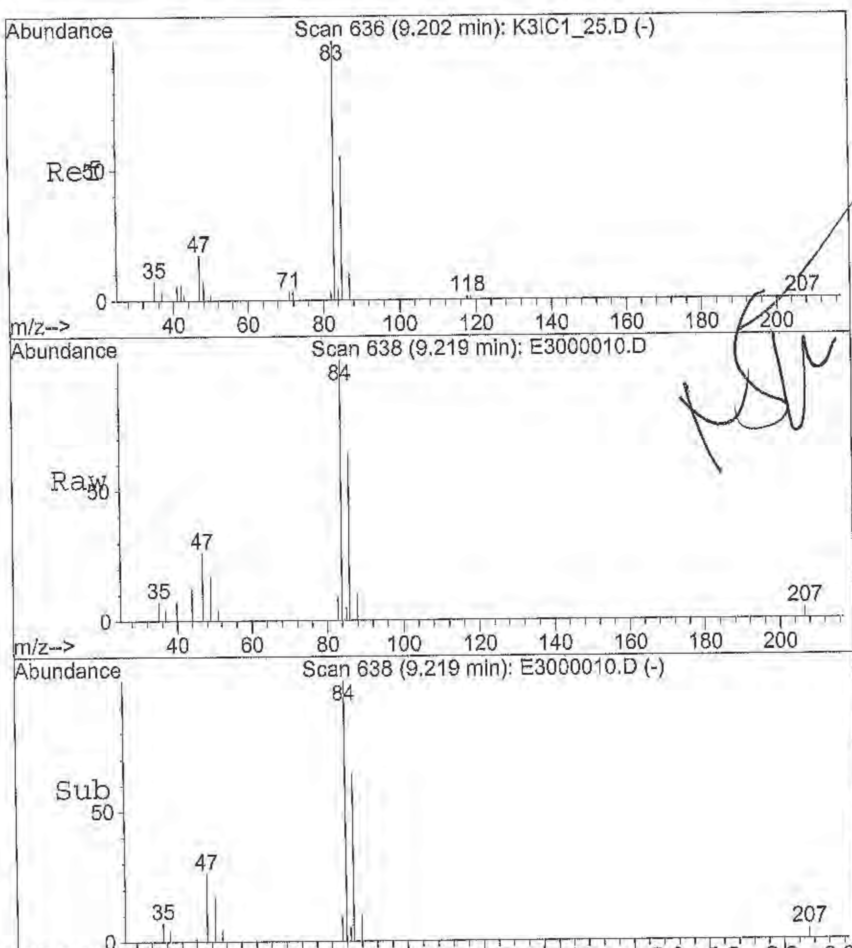


#15
(TBA) tert-Butanol
Concen: 1.76 ug/L
RT: 6.88 min Scan# 361
Delta R.T. -0.24 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 59 Resp: 402

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

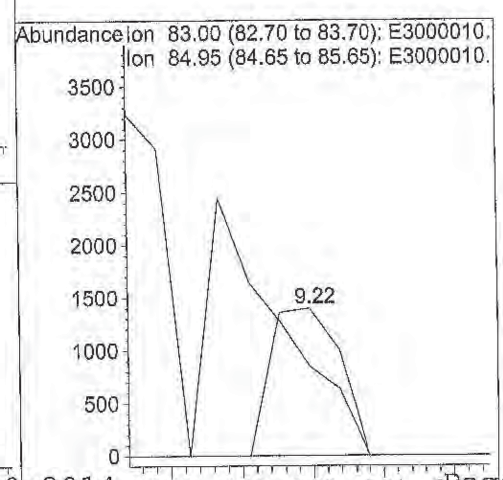


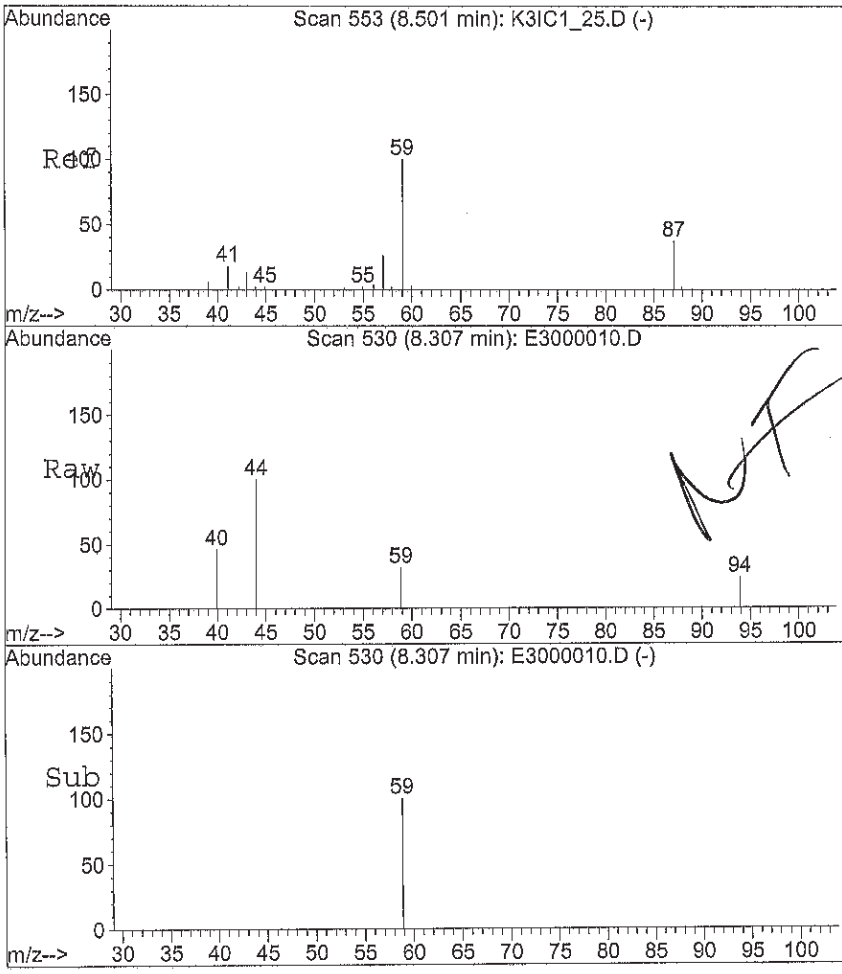


#24
Chloroform
Concen: 0.27 ug/L
RT: 9.22 min Scan# 638
Delta R.T. 0.02 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 83 Resp: 1901

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

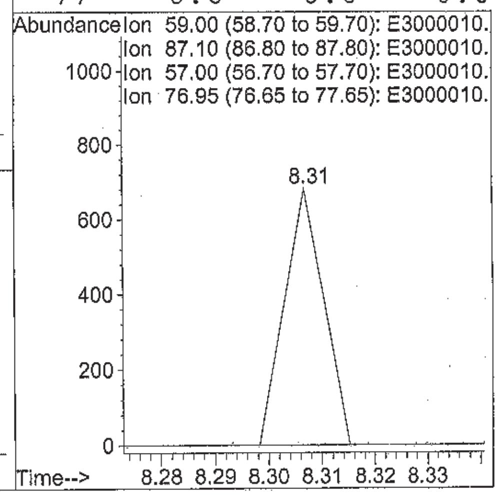


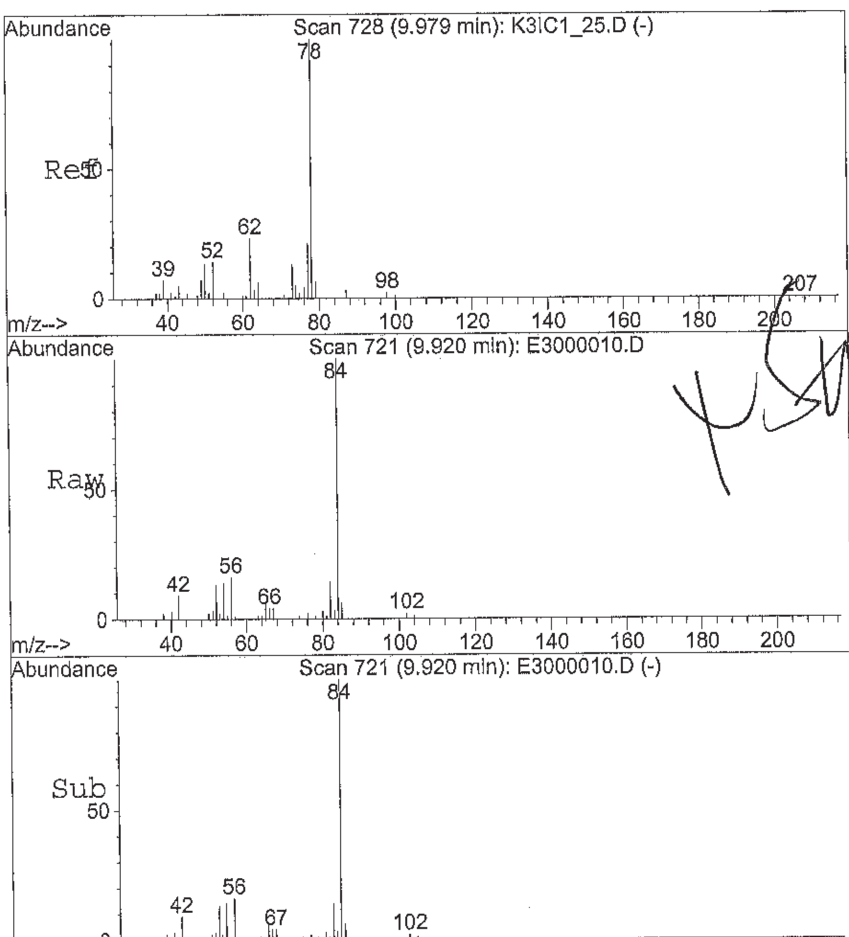


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.04 ug/L
RT: 8.31 min Scan# 530
Delta R.T. -0.19 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 59 Resp: 346

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

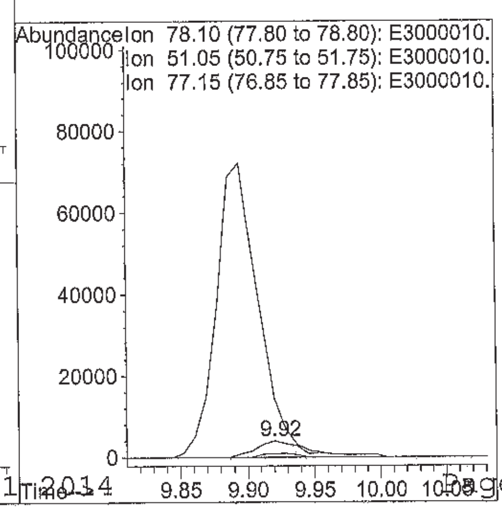


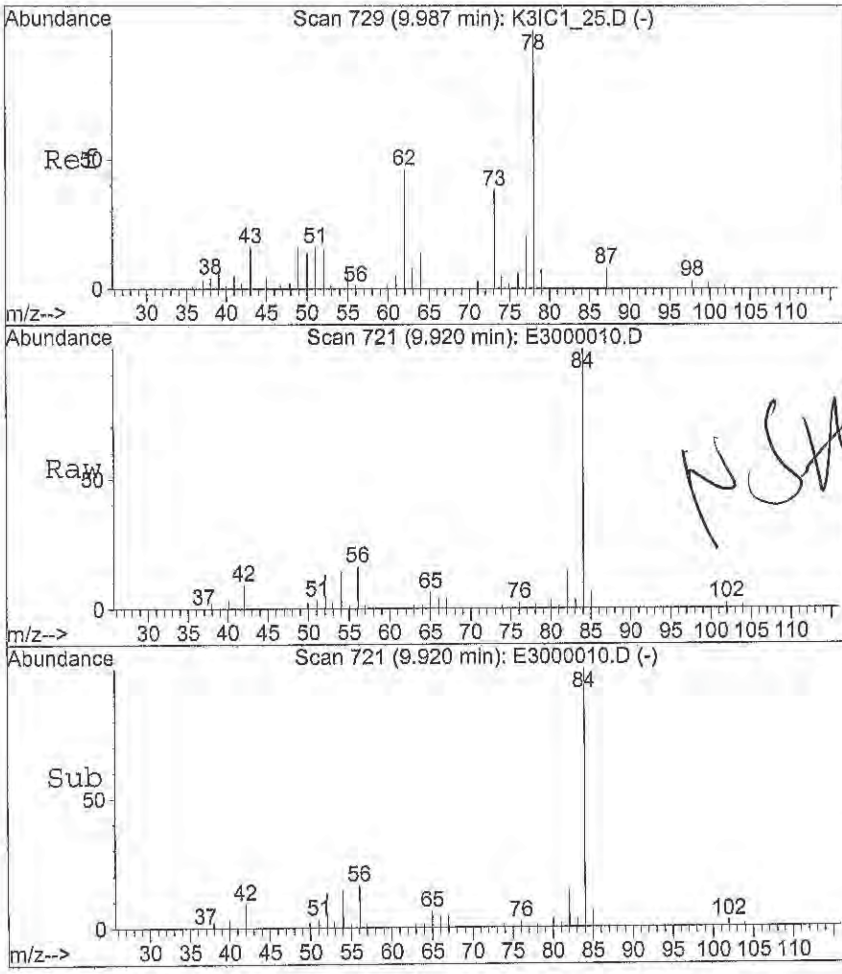


#31
Benzene
Concen: 0.83 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.06 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 78 Resp: 10486

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	14.3	16.6	24.8#

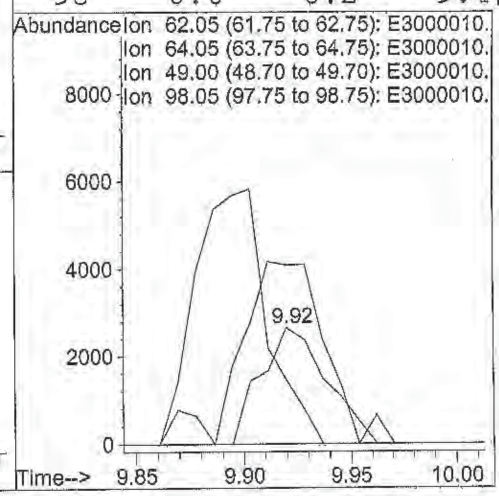


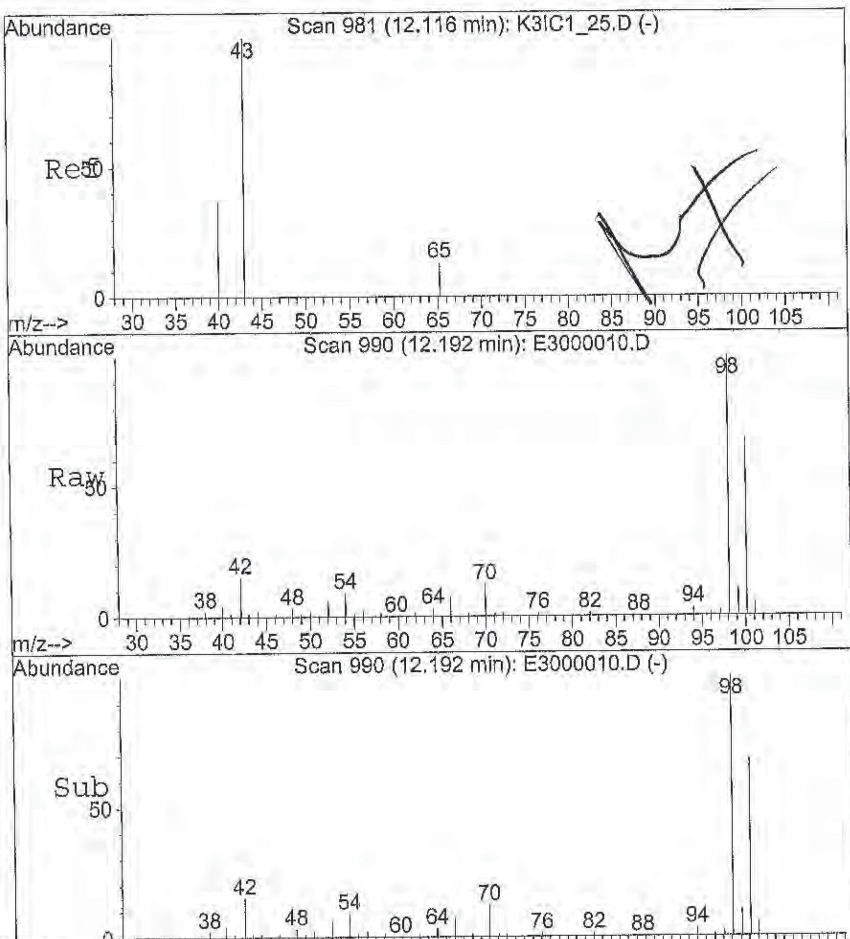


#32
1,2-Dichloroethane
Concen: 1.27 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 62 Resp: 5658

Ion	Ratio	Lower	Upper
62	100		
64	203.4	28.0	42.0#
49	237.5	28.5	42.7#
98	0.0	6.2	9.4#

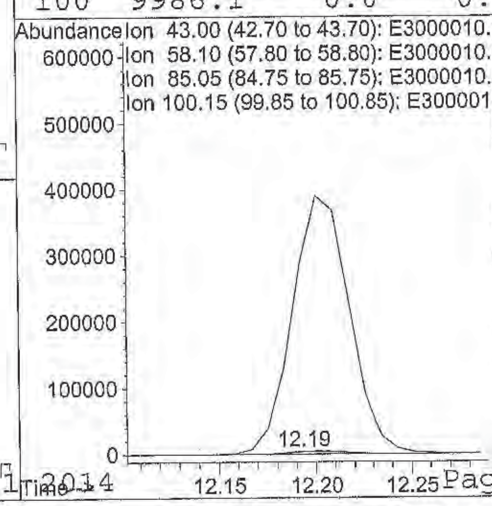


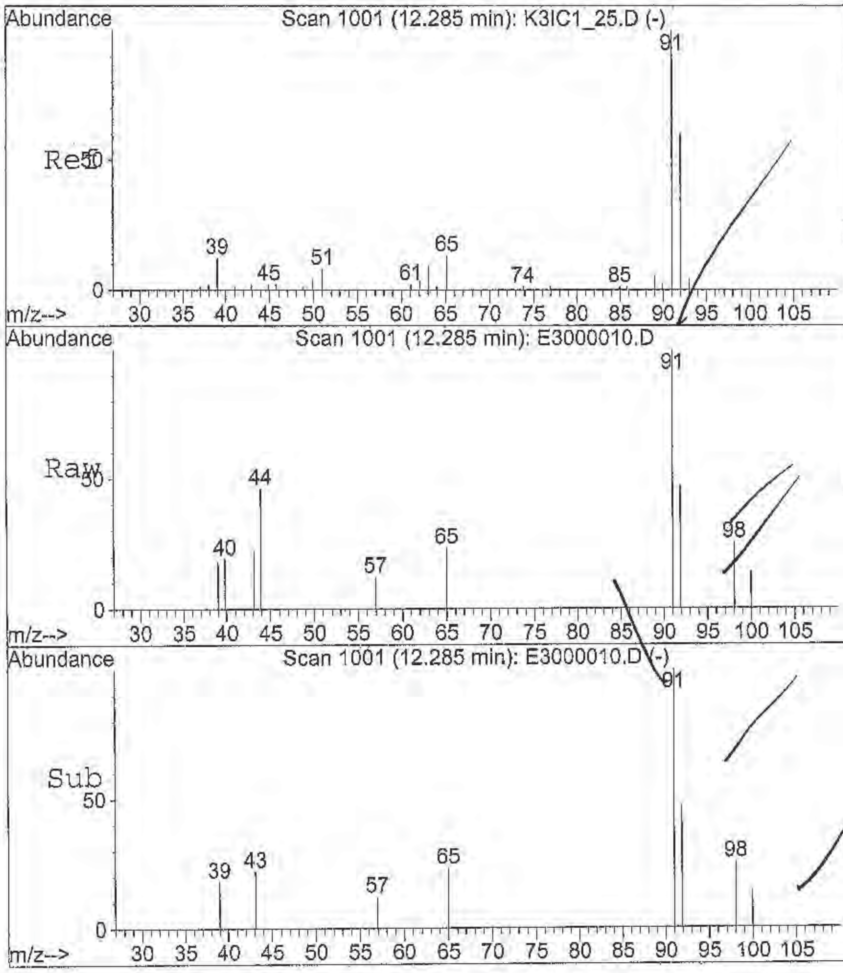


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.53 ug/L
RT: 12.19 min Scan# 990
Delta R.T. 0.08 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 43 Resp: 8037

Ion	Ratio	Lower	Upper
43	100		
58	101.3	0.0	0.0#
85	0.0	0.0	0.0
100	9986.1	0.0	0.0#

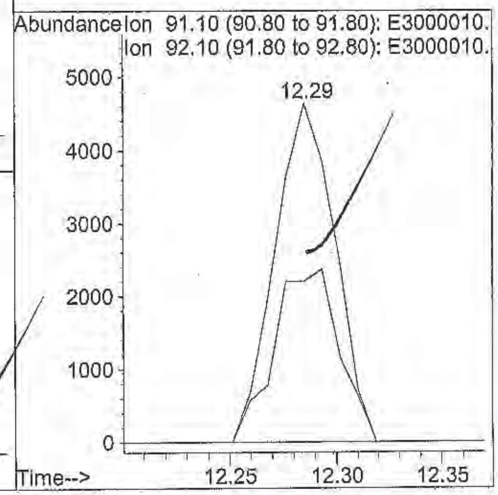


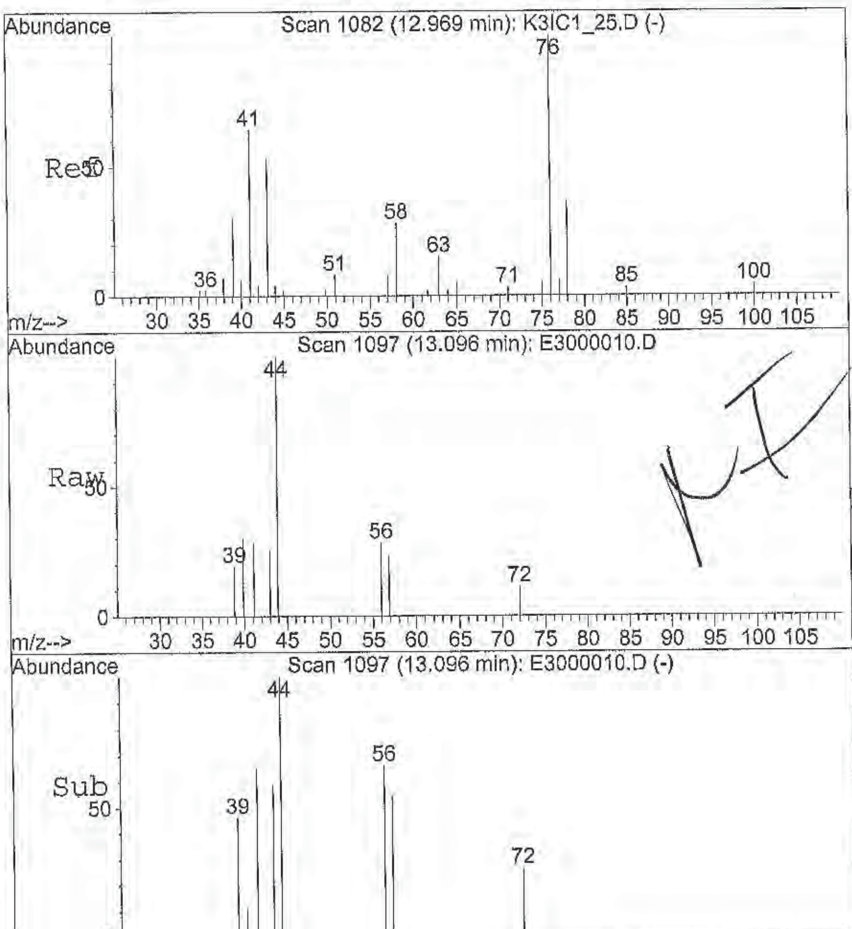


#41
Toluene
Concen: 0.58 ug/L
RT: 12.29 min Scan# 1001
Delta R.T. 0.00 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 91 Resp: 9061

Ion	Ratio	Lower	Upper
91	100		
92	55.3	47.4	71.0

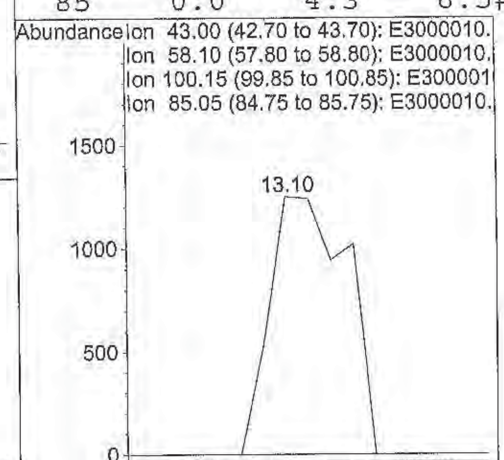




#46
2-Hexanone
Concen: 1.01 ug/L
RT: 13.10 min Scan# 1097
Delta R.T. 0.13 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 43 Resp: 2524

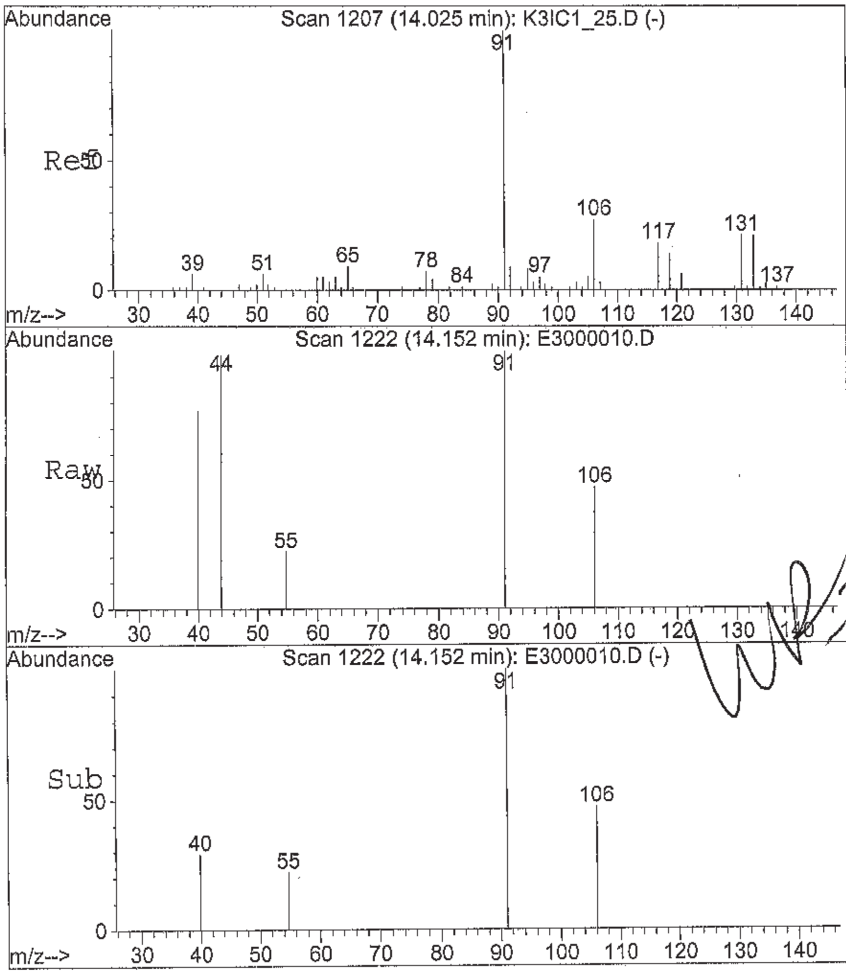
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

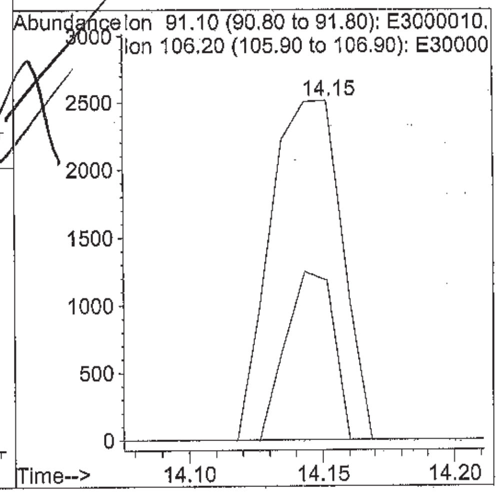


#51
Ethylbenzene
Concen: 0.27 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. 0.13 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 91 Resp: 4697

Ion	Ratio	Lower	Upper
91	100		
106	33.3	23.5	35.3

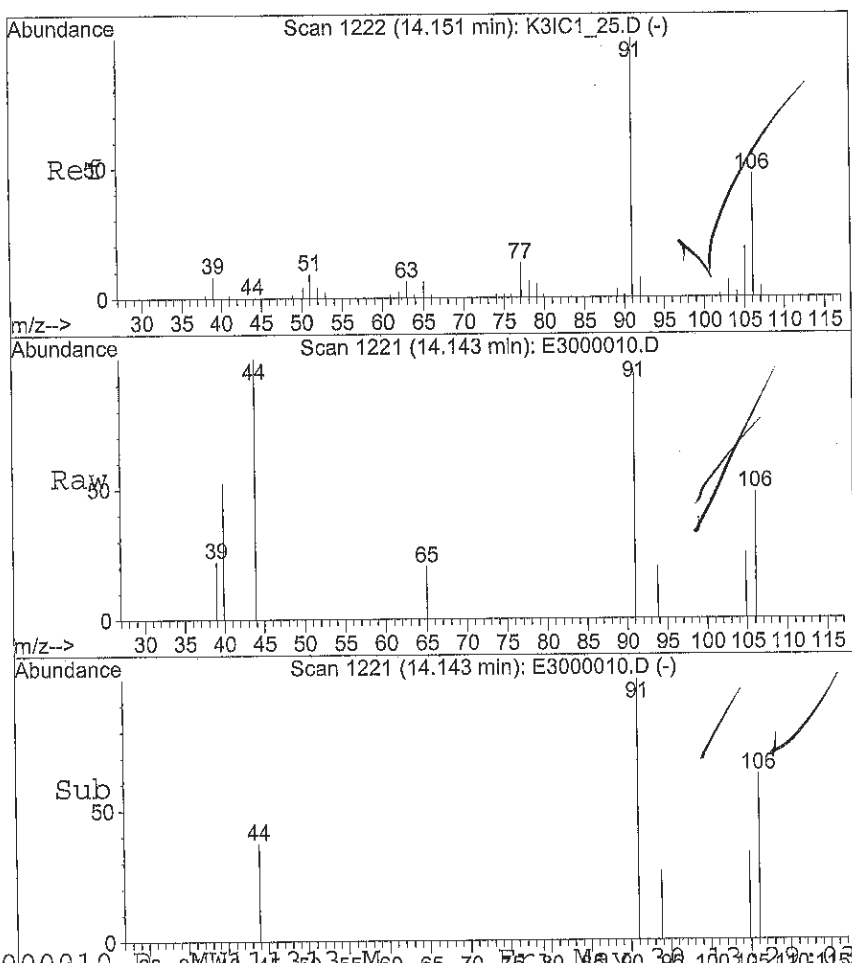


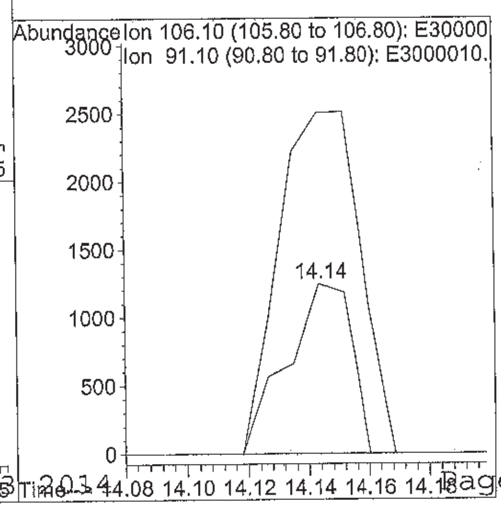


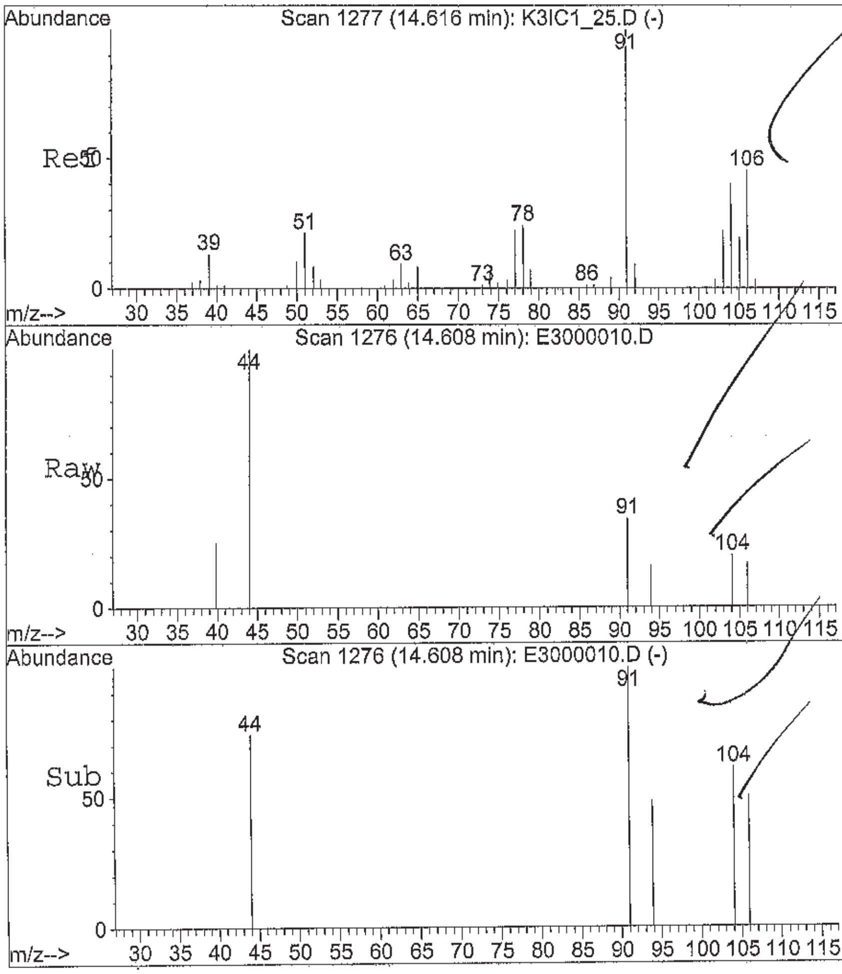
#52
m,p-Xylenes
Concen: 0.29 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:106 Resp: 1852

Ion	Ratio	Lower	Upper
106	100		
91	253.6	177.1	265.7



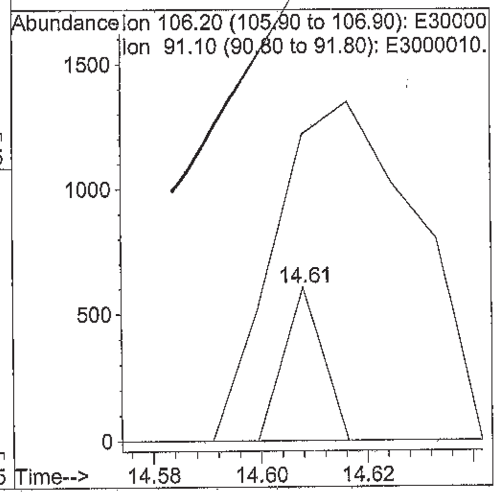


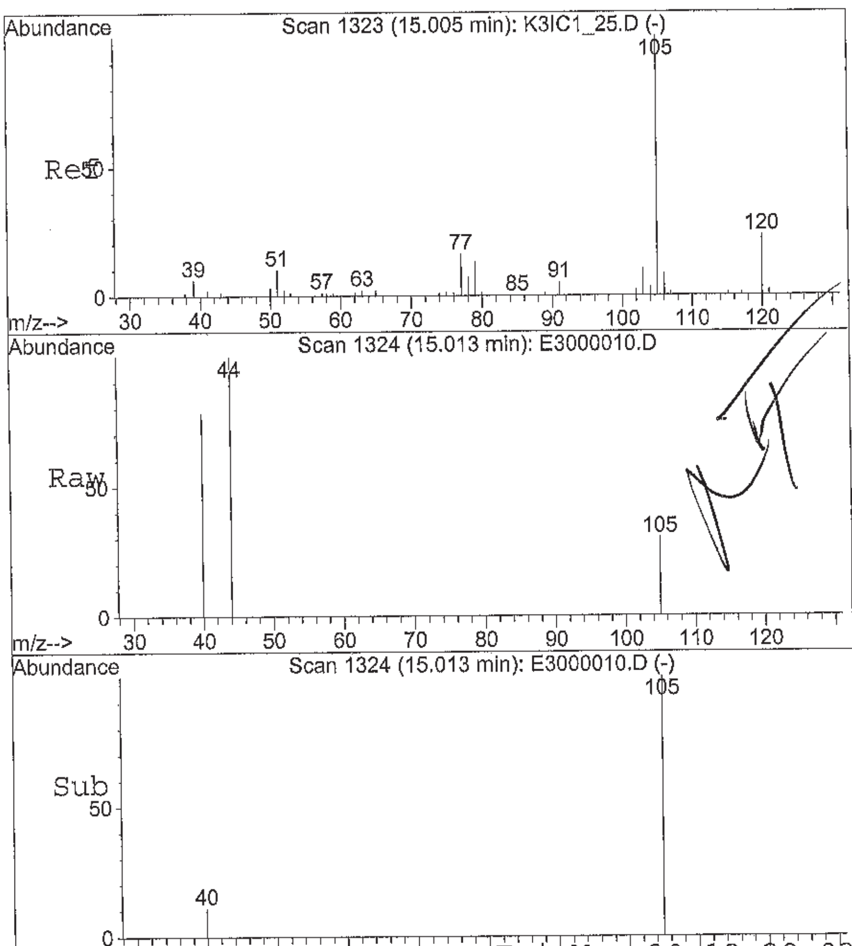


#53
o-Xylene
Concen: 0.05 ug/L
RT: 14.61 min Scan# 1276
Delta R.T. -0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:106 Resp: 307

Ion	Ratio	Lower	Upper
106	100		
91	811.1	179.0	268.6#

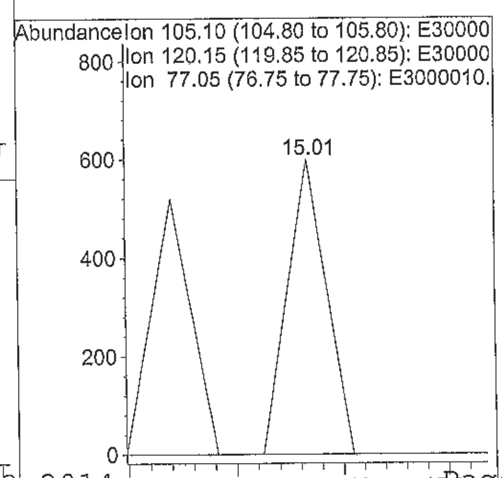


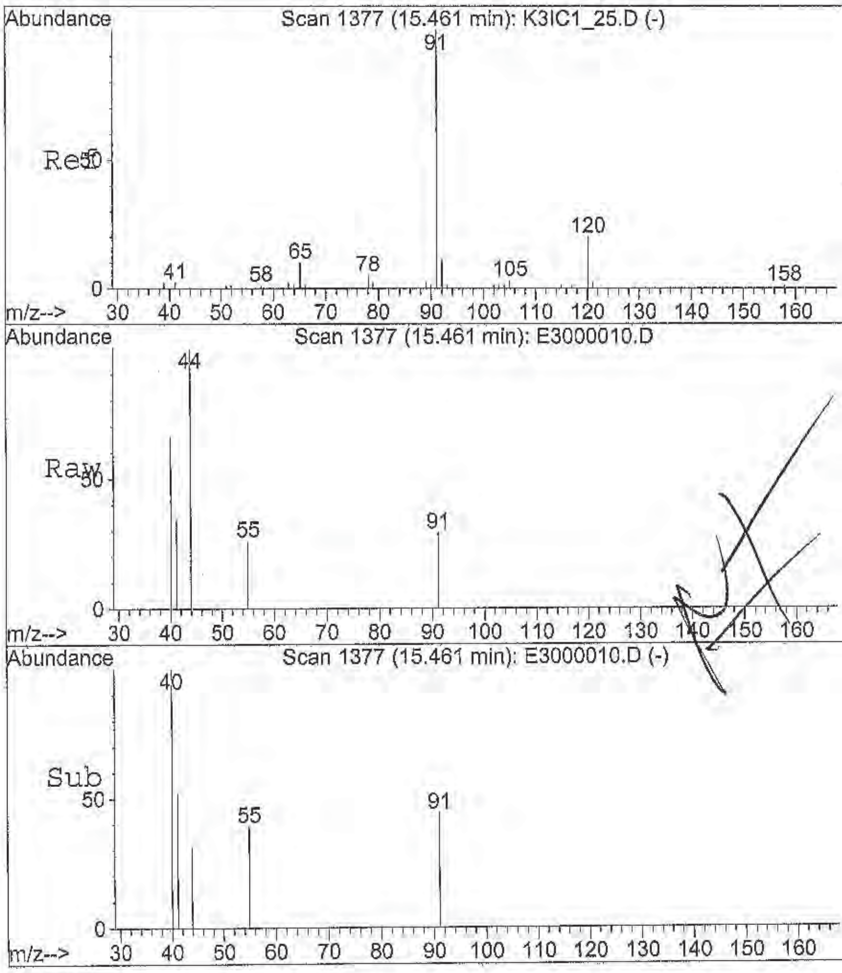


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.01 min Scan# 1324
Delta R.T. 0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:105 Resp: 303

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

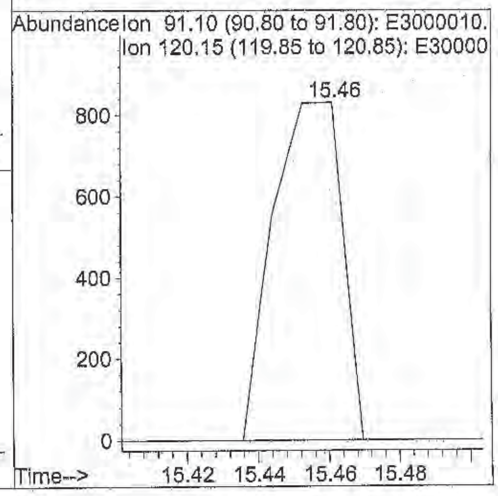


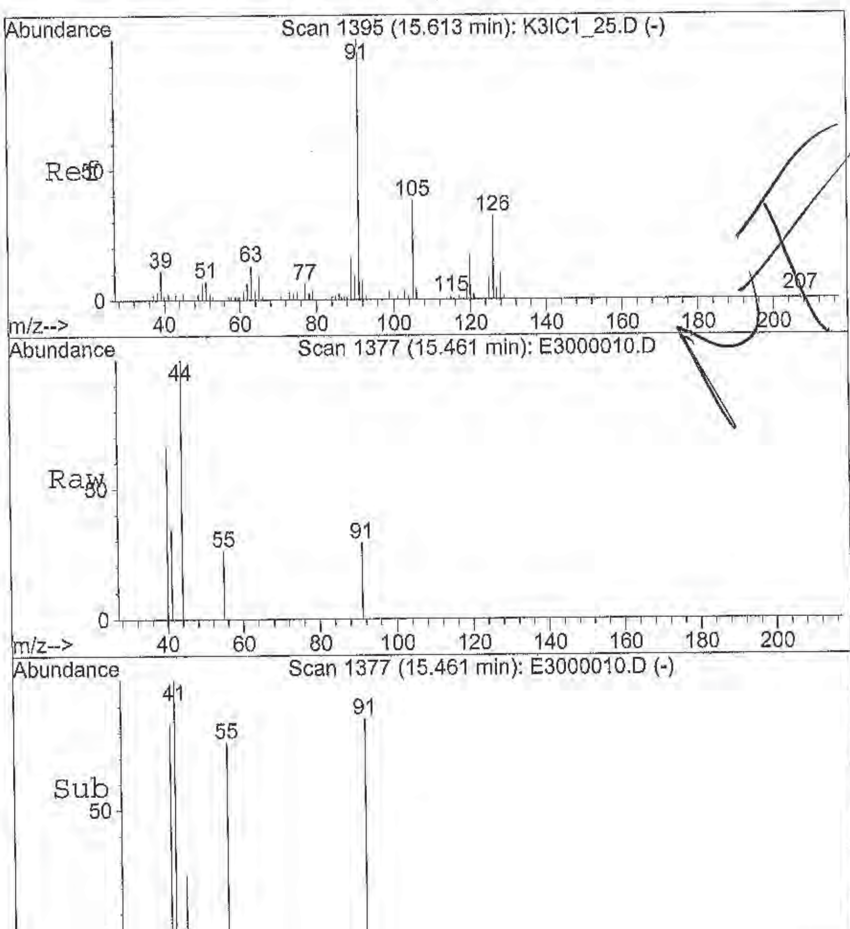


#62
n-Propylbenzene
Concen: 0.04 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. 0.00 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 91 Resp: 1121

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

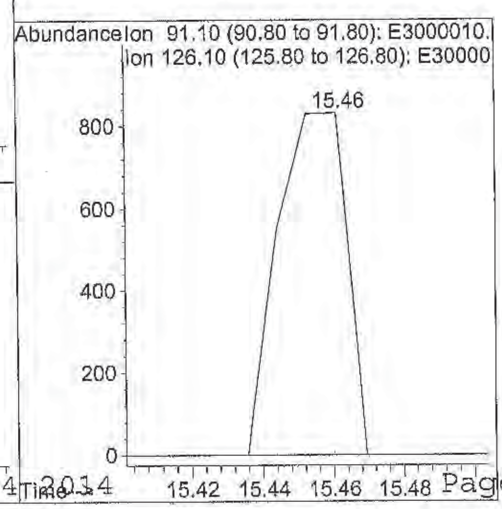


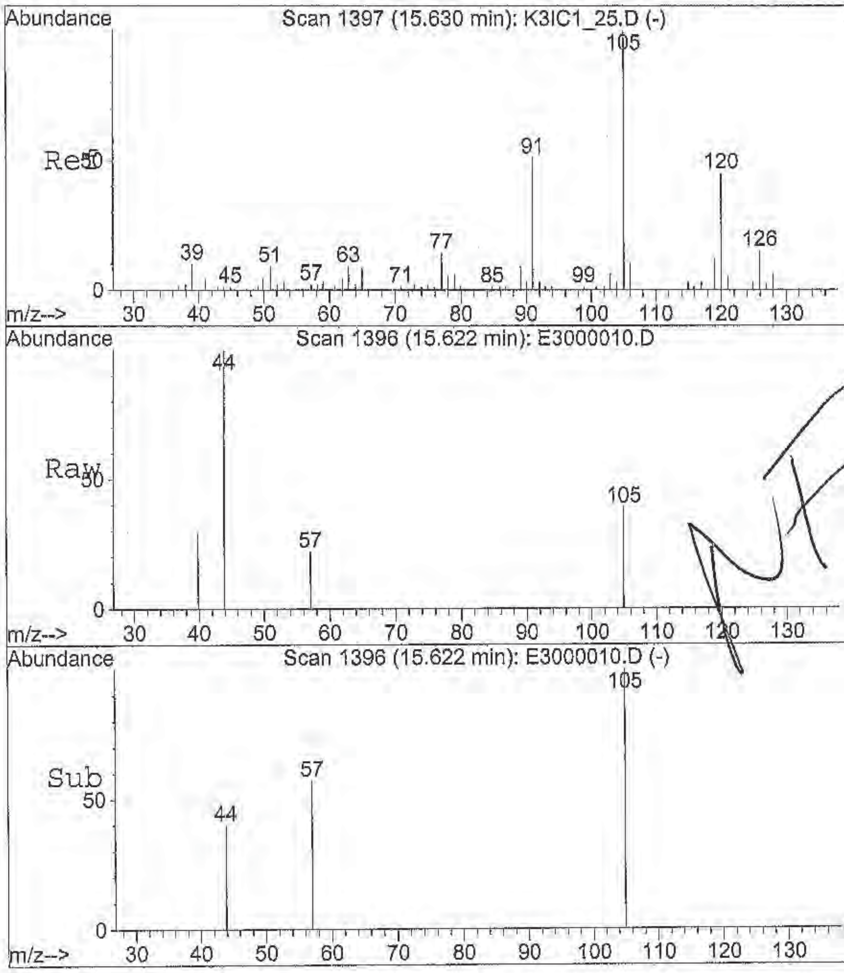


#63
2-Chlorotoluene
Concen: 0.07 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.15 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 91 Resp: 1121

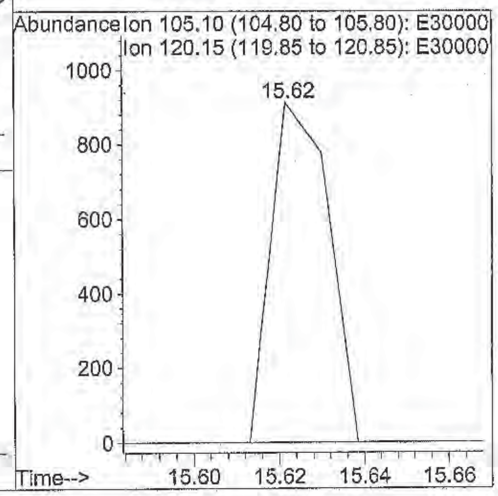
Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

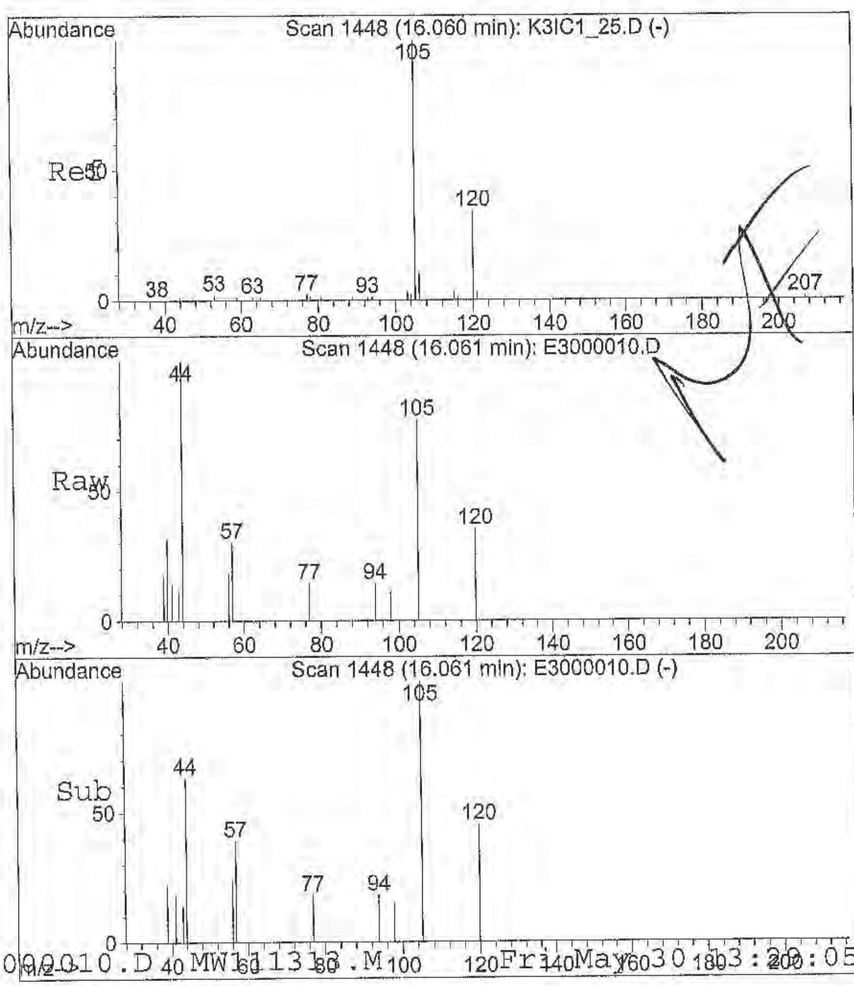




#64
1,3,5-Trimethylbenzene
Concen: 0.05 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

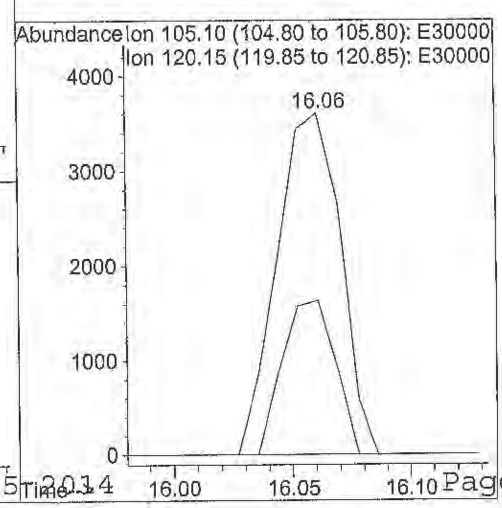
Tgt Ion:105	Resp:		856
Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

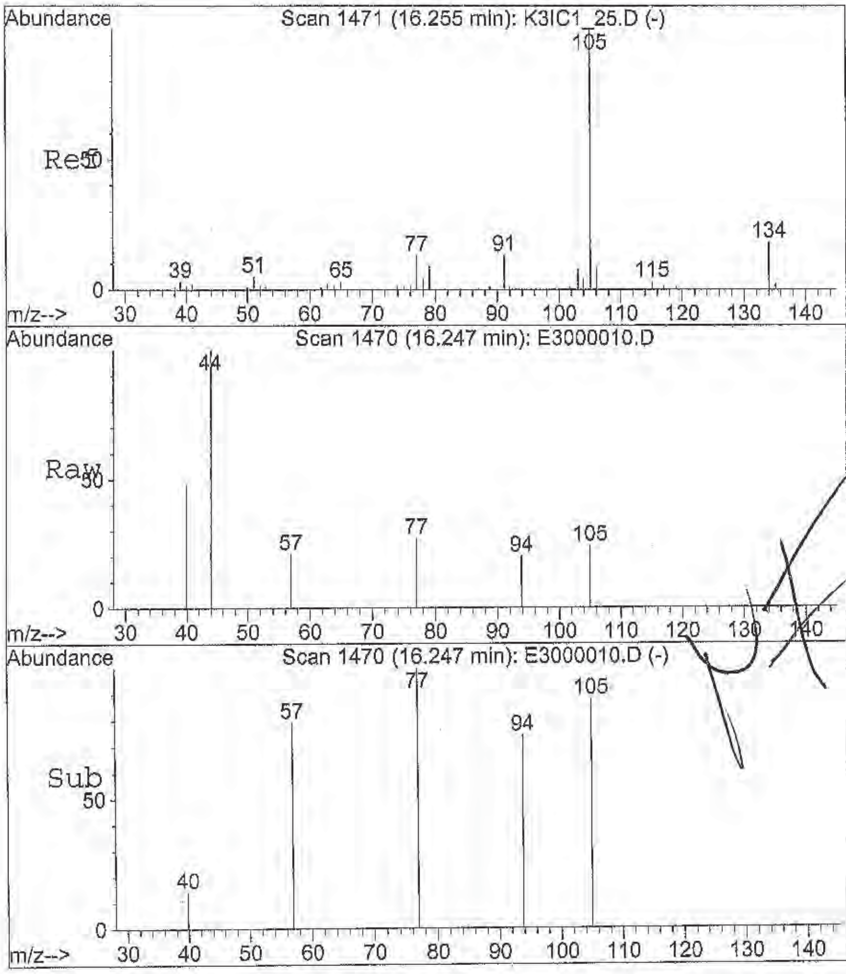




#67
1,2,4-Trimethylbenzene
Concen: 0.41 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. 0.00 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:105	Resp:		6701
Ion	Ratio	Lower	Upper
105	100		
120	37.5	33.8	50.8

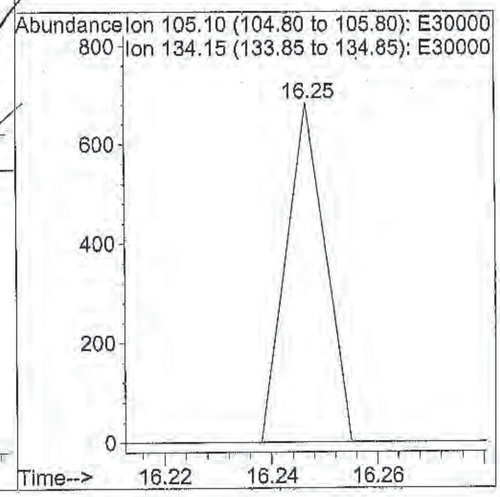


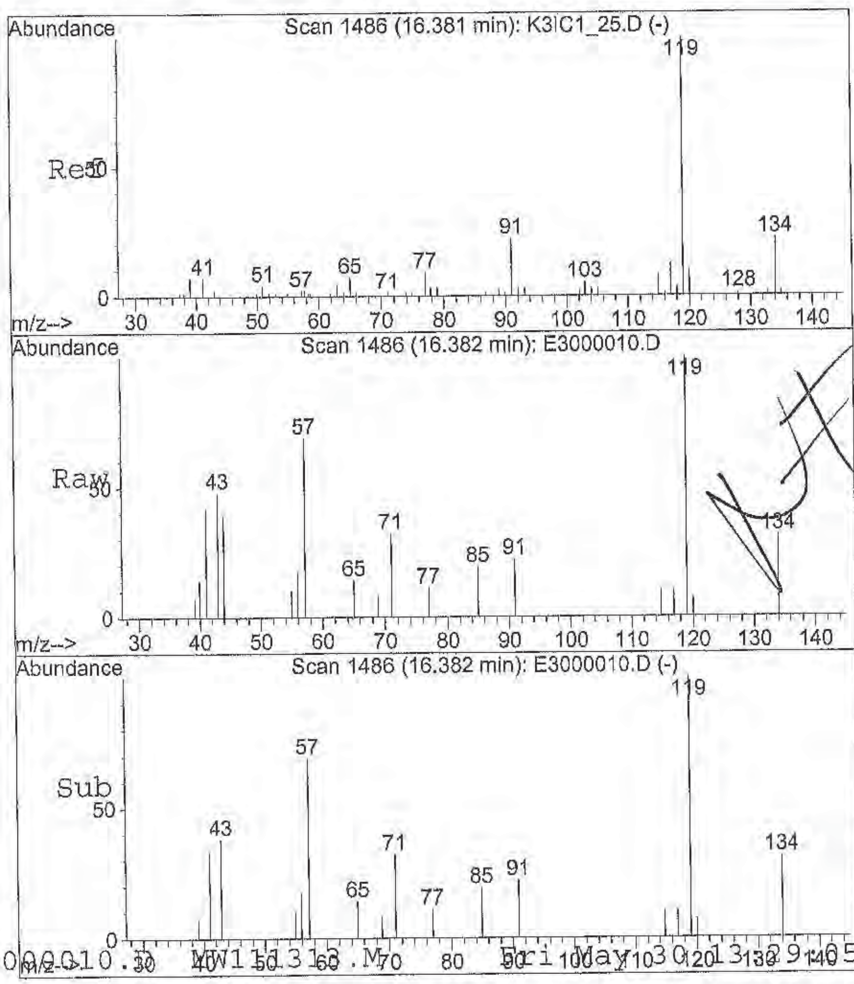


#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.25 min Scan# 1470
Delta R.T. -0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:105 Resp: 346

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

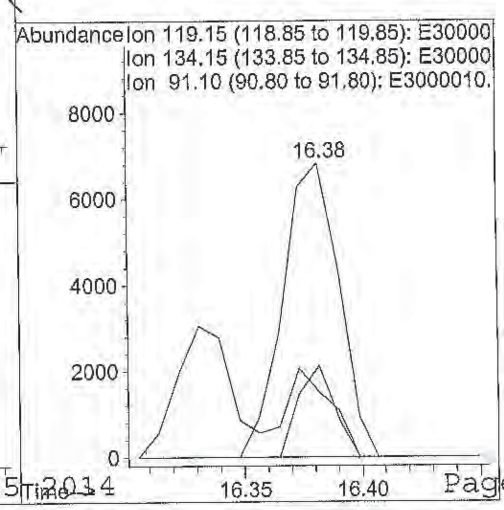


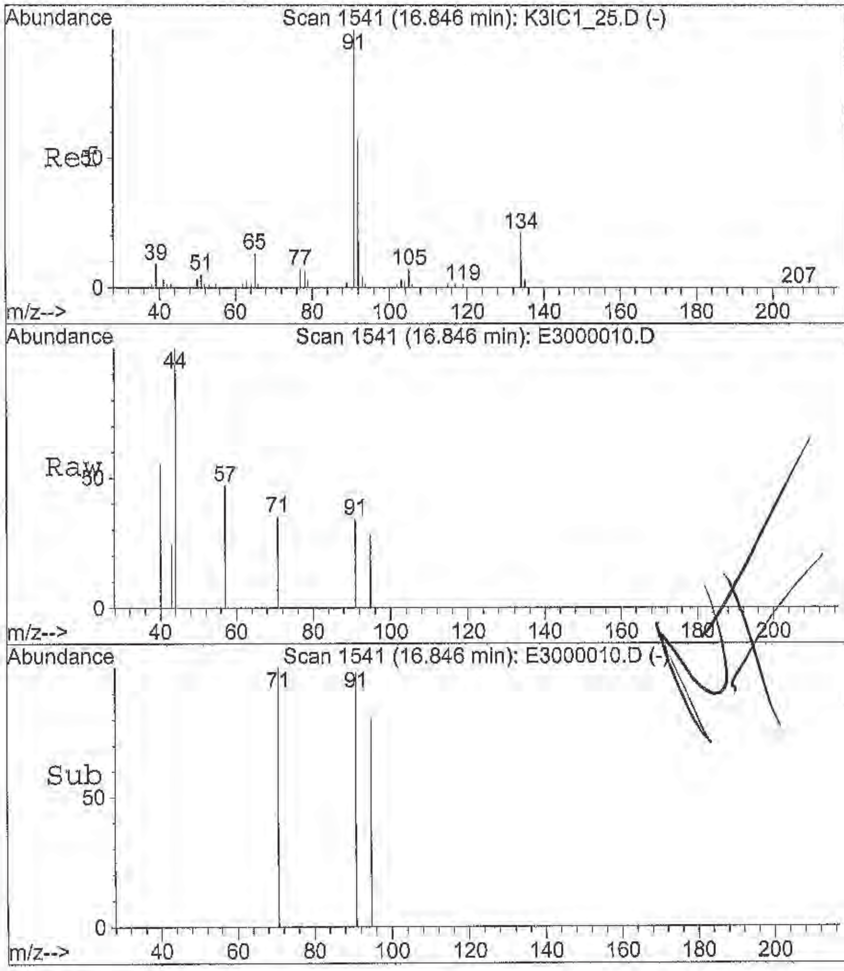


#69
p-Isopropyltoluene
Concen: 0.66 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. 0.00 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:119 Resp: 11244

Ion	Ratio	Lower	Upper
119	100		
134	20.0	17.4	26.2
91	24.0	19.6	29.4

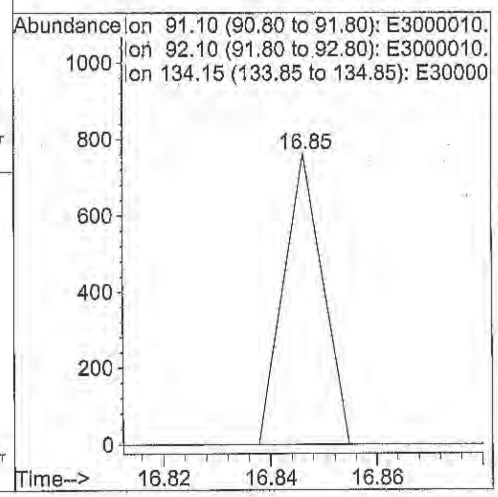


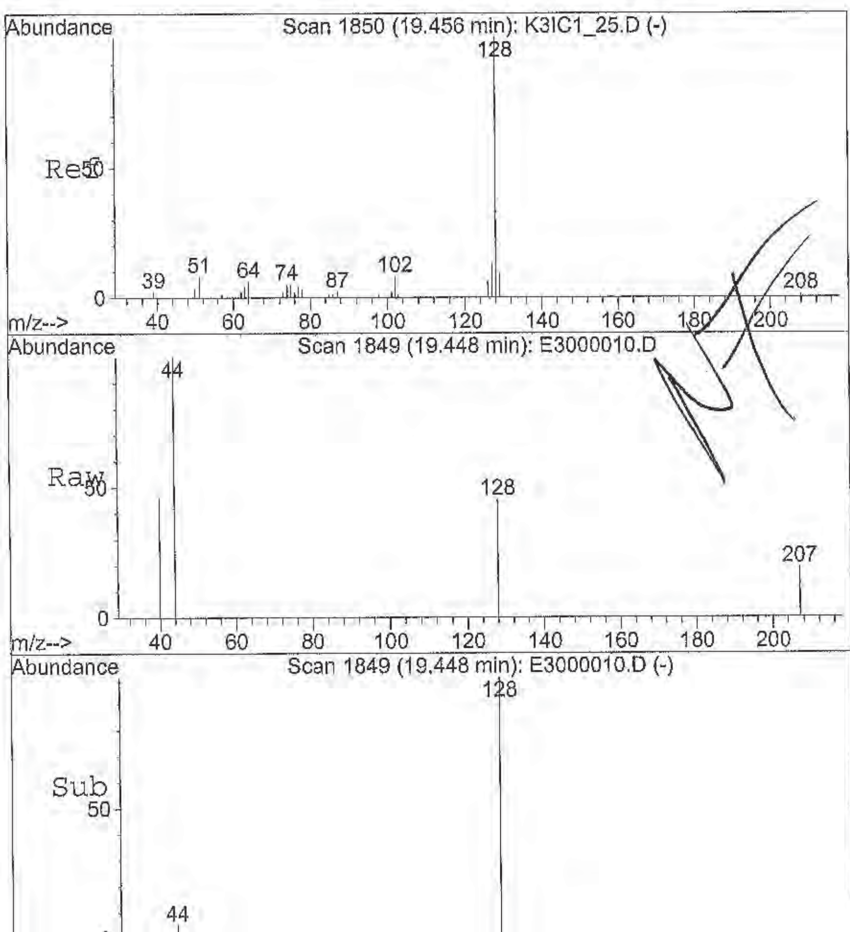


#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.85 min Scan# 1541
Delta R.T. 0.00 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion: 91 Resp: 386

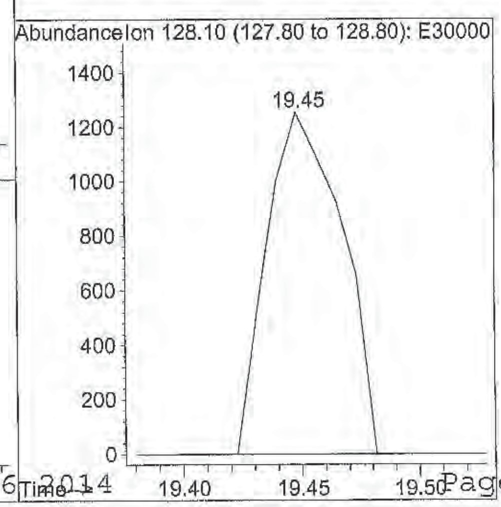
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#





#77
Naphthalene
Concen: 0.22 ug/L
RT: 19.45 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E3000010.D
Acq: 30 May 2014 1:01 pm

Tgt Ion:128 Resp: 2759



Data File : C:\HPCHEM\1\DATA\053014L3\E3000010.D Vial: 1
Acq On : 30 May 2014 1:01 pm Operator: DN
Sample : 3E43001-09 Inst : GC/MS Ins
Misc : 100cc FB-053014 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:24 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.28	96	1340657	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1139225	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	627627	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	395584	11.35	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.80%		
3) Chloroform-d (SU6)	9.18	84	608644	12.17	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery =	97.36%		
4) Methylene Chloride-d2 (SU5	7.06	86	358842	12.27	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	98.16%		
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	388115	16.29	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	130.32%#		
6) Benzene-d6 (SU7)	9.92	84	1192268	11.33	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	90.64%		
8) Toluene-d8 (SU3)	12.20	98	1197814	11.08	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	88.64%		
9) 4-Bromofluorobenzene (SU4)	15.22	95	638434	14.31	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	114.48%		

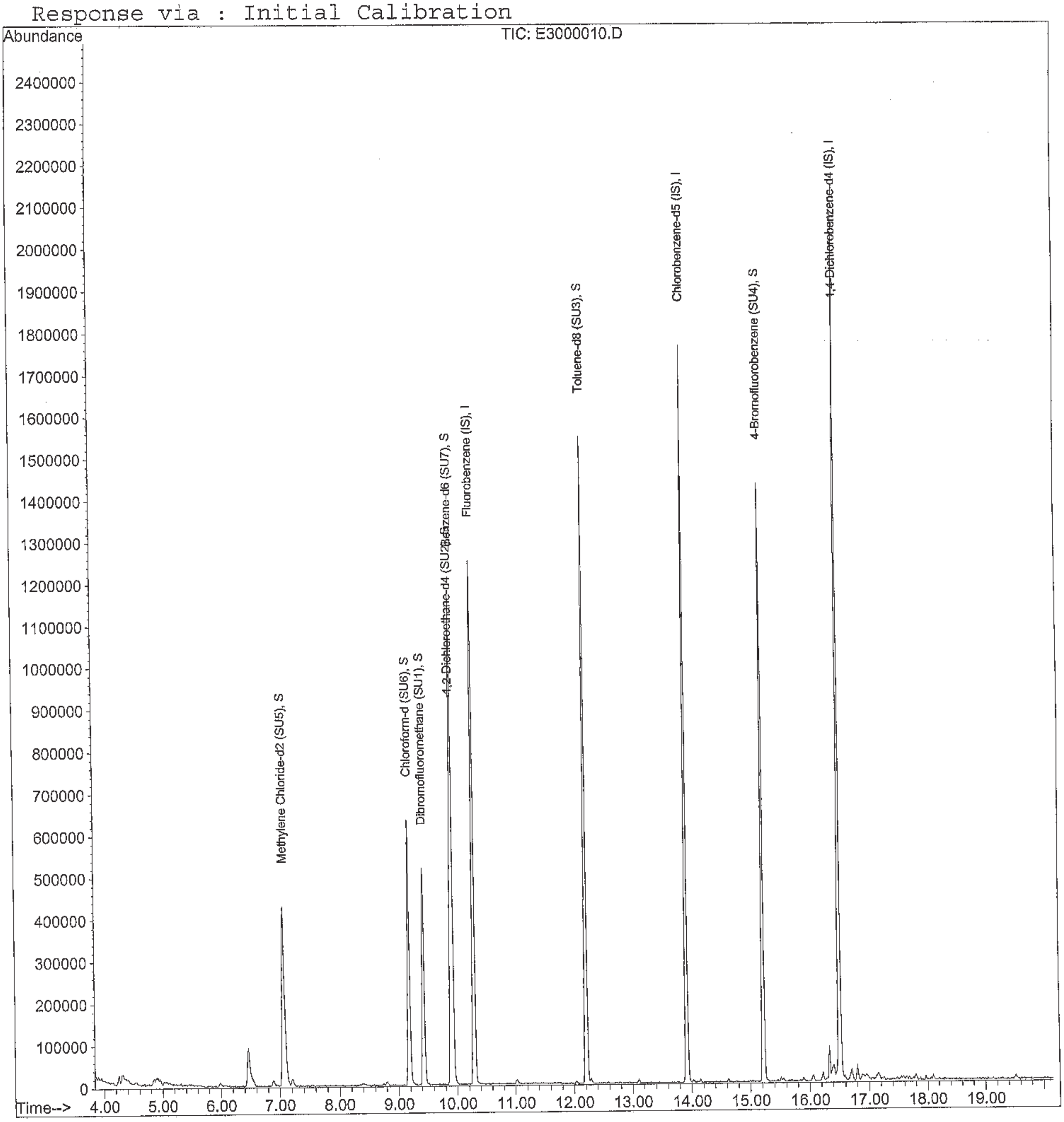
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\053014L3\E3000010.D Vial: 1
Acq On : 30 May 2014 1:01 pm Operator: DN
Sample : 3E43001-09 Inst : GC/MS Ins
Misc : 100cc FB-053014 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 30 13:24 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS02.D          Vial: 9
Acq On    : 30 May 2014   1:30 pm                      Operator: DN
Sample    : 34E3001-BSD1                               Inst    : GC/MS Ins
Misc      : 20cc  1.25/2.5/12.5 ug/L LCS               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 13:55 19114              Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1547770m	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1115262m	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	545884	12.50	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	427871	11.08	ug/L	0.01
Spiked Amount 12.500 Range 75 - 125			Recovery = 88.64%			
28) 1,2-Dichloroethane-d4 (SU2	9.91	65	414240	11.29	ug/L	0.01
Spiked Amount 12.500 Range 75 - 125			Recovery = 90.32%			
39) Toluene-d8 (SU3)	12.21	98	1303218	12.53	ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery = 100.24%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	573471	12.57	ug/L	0.00
Spiked Amount 12.500 Range 75 - 125			Recovery = 100.56%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	51958	1.37	ug/L	98
4) Chloromethane	4.47	50	34881	1.22	ug/L	81
5) Vinyl Chloride	4.60	62	31442	1.15	ug/L	85
6) Bromomethane	5.16	96	22295	1.13	ug/L	92
7) Chloroethane	5.29	64	14926	1.24	ug/L	82
8) (F11) Trichlorofluorometha	5.67	101	64263	1.51	ug/L	99
9) (F113) 1,1,2-Trichloro-tri	6.37	151	34826	1.14	ug/L	90
10) 1,1-Dichloroethene	6.44	96	49097	1.34	ug/L	93
11) Acetone	6.45	58	19157	3.33	ug/L	95
12) (IPA) Leak Check Compound	6.54	45	44451	23.90	ug/L #	64
13) Carbon disulfide	6.86	76	162219	1.26	ug/L	97
14) Methylene Chloride	7.11	84	51208	1.20	ug/L	92
15) (TBA) tert-Butanol	7.09	59	1367	0.52	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	64574	0.74	ug/L	97
17) trans-1,2-Dichloroethene	7.49	96	49070	1.18	ug/L	92
18) 1,1-Dichloroethane	8.08	63	90038	1.29	ug/L	94
19) cis-1,2-Dichloroethene	8.84	96	57490	1.19	ug/L	86
21) (MEK) 2-Butanone	8.81	72	4012	0.92	ug/L #	30
22) (DIPE) Diisopropyl Ether	8.02	45	149690	1.24	ug/L	98
23) Bromochloromethane	9.17	128	22085	1.07	ug/L #	80
24) Chloroform	9.22	83	93029	1.15	ug/L	94
25) (ETBE) 2-ethoxy 2-methyl p	8.50	59	94086	0.84	ug/L #	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS02.D Vial: 9
Acq On : 30 May 2014 1:30 pm Operator: DN
Sample : 34E3001-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 13:55 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
26)	1,1,1-Trichloroethane	10.29	97	78827	1.23 ug/L		93
27)	(TAME) tert-Amyl methyl et	10.01	73	85885	0.88 ug/L		99
29)	1,1-Dichloropropene	9.69	75	65700	1.10 ug/L		95
30)	Carbon Tetrachloride	13.89	117	54620	1.05 ug/L		100
31)	Benzene	9.99	78	174066	1.19 ug/L		93
32)	1,2-Dichloroethane	10.00	62	59858	1.16 ug/L	#	93
33)	Trichloroethene	10.74	130	54283	1.15 ug/L		98
34)	1,2-Dichloropropane	11.05	63	44741	1.29 ug/L		90
35)	Dibromomethane	11.21	93	31273	1.15 ug/L		94
36)	Bromodichloromethane	11.35	83	53874	0.98 ug/L		94
37)	cis-1,3-Dichloropropene	11.87	75	51233	0.86 ug/L		96
40)	(MIBK) 4-Methyl-2-Pentanon	12.12	43	8955	0.40 ug/L	#	100
41)	Toluene	12.29	91	184519	1.21 ug/L		98
42)	trans-1,3-Dichloropropene	12.52	75	39676	0.79 ug/L		80
43)	1,1,2-Trichloroethane	12.75	83	33386	1.22 ug/L		92
44)	Tetrachloroethene	12.95	164	60174	1.13 ug/L		97
45)	1,3-Dichloropropane	12.96	76	61226	1.17 ug/L		98
46)	2-Hexanone	12.97	43	26669	1.09 ug/L		94
47)	Dibromochloromethane	13.25	129	43263	1.10 ug/L		96
48)	1,2-Dibromoethane	13.43	107	44627	1.26 ug/L		97
49)	Chlorobenzene	13.95	112	126242	1.23 ug/L		97
50)	1,1,1,2-Tetrachloroethane	14.02	131	40683	1.12 ug/L		96
51)	Ethylbenzene	14.03	91	217884	1.26 ug/L		97
52)	m,p-Xylenes	14.15	106	158955	2.59 ug/L		96
53)	o-Xylene	14.62	106	75293	1.24 ug/L		99
54)	Styrene	14.63	104	120583	1.37 ug/L		98
55)	Bromoform	14.91	173	23433	1.05 ug/L	#	94
56)	Isopropylbenzene	15.01	105	205551	1.24 ug/L		100
57)	1,2,3-Trichloropropane	15.42	75	47399	1.04 ug/L	#	1
60)	1,1,2,2-Tetrachloroethane	15.34	83	46264	1.18 ug/L		100
61)	Bromobenzene	15.44	156	55744	1.30 ug/L		89
62)	n-Propylbenzene	15.46	91	259066	1.17 ug/L		99
63)	2-Chlorotoluene	15.62	91	170422	1.25 ug/L		95
64)	1,3,5-Trimethylbenzene	15.62	105	165405	1.22 ug/L		99
65)	4-Chlorotoluene	15.73	91	161000	1.28 ug/L		100
66)	tert-Butylbenzene	16.01	119	138206	1.19 ug/L		94
67)	1,2,4-Trimethylbenzene	16.06	105	172772	1.22 ug/L		94

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS02.D Vial: 9
Acq On : 30 May 2014 1:30 pm Operator: DN
Sample : 34E3001-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 13:55 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
68)	sec-Butylbenzene	16.25	105	227066	1.24 ug/L		100
69)	p-Isopropyltoluene	16.38	119	177851	1.19 ug/L		96
70)	1,3-Dichlorobenzene	16.44	146	99954	1.24 ug/L		99
71)	1,4-Dichlorobenzene	16.54	146	104443	1.29 ug/L		97
72)	n-Butylbenzene	16.85	91	190626	1.22 ug/L		99
73)	1,2-Dichlorobenzene	16.99	146	94385	1.31 ug/L		97
74)	1,2-Dibromo-3-chloropropan	17.93	75	5758	0.99 ug/L	#	68
75)	1,2,4-Trichlorobenzene	19.04	180	58683	1.21 ug/L		98
76)	Hexachlorobutadiene	19.21	225	29845	1.36 ug/L		95
77)	Naphthalene	19.45	128	113589	1.05 ug/L		100
78)	Hexachloroethane	17.30	201	17704	1.12 ug/L		92
79)	1,2,3-Trichlorobenzene	19.81	180	51450	1.11 ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\053014L3\E30LCS02.D          Vial: 9
Acq On    : 30 May 2014   1:30 pm                      Operator: DN
Sample    : 34E3001-BSD1                               Inst    : GC/MS Ins
Misc      : 20cc  1.25/2.5/12.5 ug/L LCS               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 30 13:55 19114                 Quant Results File: MW111313.RES

Method       : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
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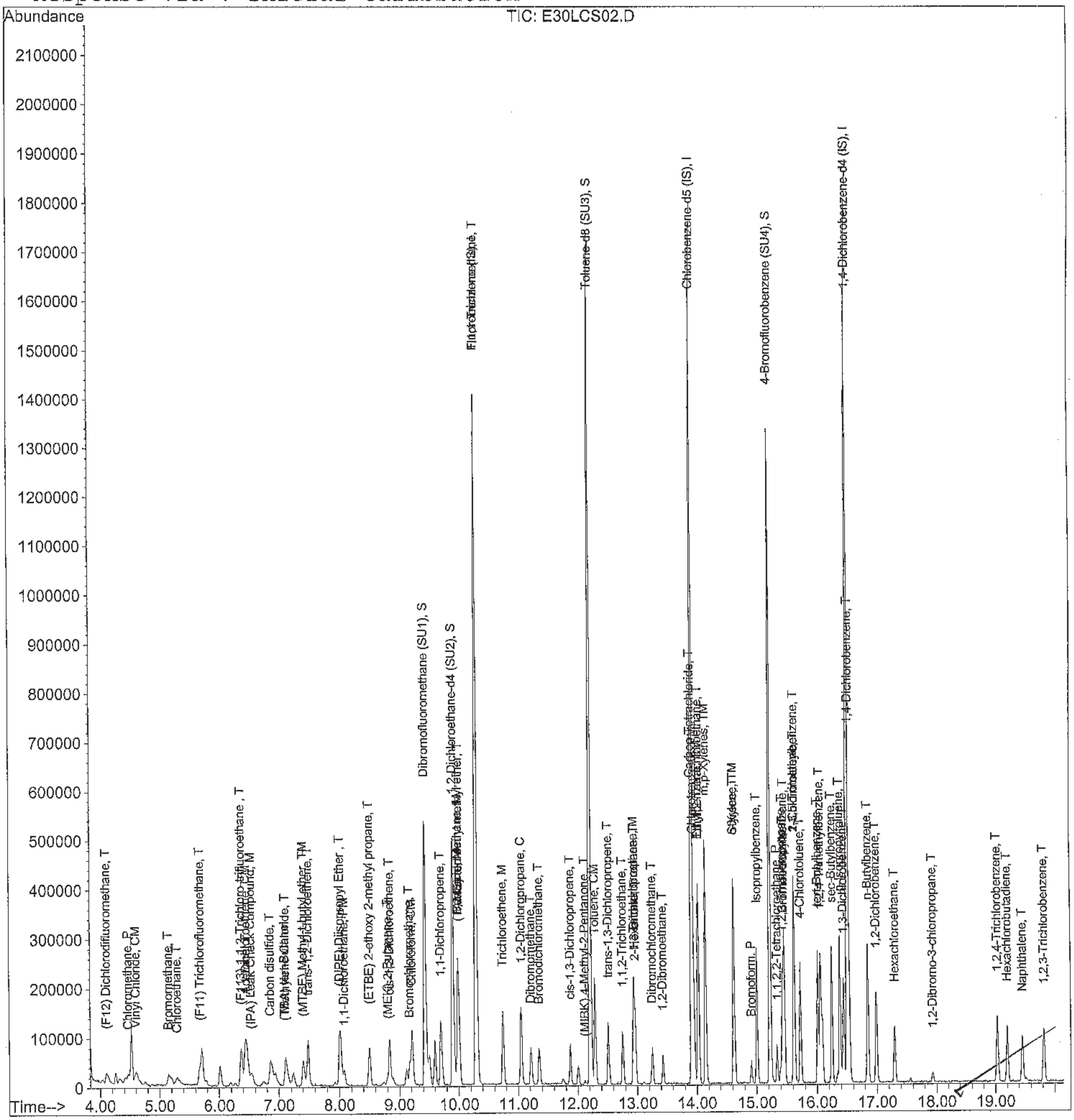

SOIL GAS SURVEY
SANTA SUSANA FIELD LABORATORY: DEPARTMENT OF ENERGY
5800 WOOLSEY CANYON ROAD
CANOGA PARK, CA

LEVEL IV DATA PACKAGE

MWH AMERICAS
2121 NORTH CALIFORNIA BLVD.
SUITE 600
WALNUT CREEK, CA

EST2754
June 2, 2014

EST
ENVIRONMENTAL SUPPORT TECHNOLOGIES

Table of Contents

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
16510 Aston St., Irvine, CA 92606 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: MWH Americas
Address: 250 North Madison Avenue
Pasadena, Ca
Project Manager: Sarah Von Raesfield

Sampler Name: Mike Marello
Page: of
EST Project#: EST2754
Custody Seals:
Site Location: SSFL
Phone: ( )
Email:

Turnaround Time: (Check one)

Normal:

Rush: X

Sample Receipt

Intact: Yes: X No:

On Ice: Yes: No: X N/A

Custody Seals: Yes: No: X

N/A (Received on Site):

Sample Name	Sample Matrix	Container Type	# of Container	Sampling Date	Sampling Time	Preservative Type	Purge Volume (ml)	Vacuum (inches of H_2O)	8260B VOC's						Special Instructions
Equipment Blank	Air	Glass Bulb	1	6/2/2014	1125	Surr			X						Bulb # 9
SVL-528-SA8-SV-5.0-6.0	Air	Glass Bulb	1	6/2/2014	908	Surr			X						Bulb # 7
SVL-528-SA8-SV-11.0-12.0	Air	Glass Bulb	1	6/2/2014	935	Surr			X						Bulb # 6
SVL-528-SA8-SV-18.5-19.5	Air	Glass Bulb	1	6/2/2014	958	Surr			X						Bulb # 12
SVL-505-SA5C-SV-5.0-6.0	Air	Glass Bulb	1	6/2/2014	1052	Surr			X						Bulb # 10
SVL-505-SA5C-SV-10.0-11.0	Air	Glass Bulb	1	6/2/2014	1124	Surr			X						Bulb # 3
SVL-805-SA5C-SV-10.0-11.0	Air	Glass Bulb	1	6/2/2014	1124	Surr			X						Bulb # 1
SVL-505-SA5C-SV-15.0-16.0	Air	Glass Bulb	1	6/2/2014	1159	Surr			X						Bulb # 11
FB-060214	Air	Glass Bulb	1	6/2/2014	1331	Surr			X						Bulb # 2

Relinquished by: (Signature) Date/Time: 06/02/14 Received by: Date/Time:

Relinquished by: (Signature) Date/Time: Received by: Date/Time:

Sample Results with Analysis and Extractions Preparation Dates

June 17, 2014

Sarah Von Raesfield
MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

RE: Santa Susana Field Laboratory, Canoga Park

Enclosed are the results of analyses for soil gas samples received by Environmental Support Technologies laboratory on 06/02/14 16:05. The analyses were performed according to the prescribed method as outlined by EPA 8260B. A shut in test was performed, leak test was performed, equipment blank was run, and selected purge volume was 3PV. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Ashley Flores

Ashley Flores
Project Manager

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 2772, 2773, and 2767.

16510 Aston Street, Irvine, California 92606
Telephone: (949) 679-9500 Fax: (949) 679-9501

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
Equipment Blank	3F40201-01	Air	02-Jun-14 11:25	02-Jun-14 11:46
SVL-528-SA8-SV-5.0-6.0	3F40201-02	Air	02-Jun-14 09:08	02-Jun-14 12:16
SVL-528-SA8-SV-11.0-12.0	3F40201-03	Air	02-Jun-14 09:35	02-Jun-14 13:21
SVL-528-SA8-SV-18.5-19.5	3F40201-04	Air	02-Jun-14 09:58	02-Jun-14 13:50
SVL-505-SA5C-SV-5.0-6.0	3F40201-05	Air	02-Jun-14 10:52	02-Jun-14 14:21
SVL-505-SA5C-SV-10.0-11.0	3F40201-06	Air	02-Jun-14 11:24	02-Jun-14 14:50
SVL-805-SA5C-SV-10.0-11.0	3F40201-07	Air	02-Jun-14 11:24	02-Jun-14 15:19
SVL-505-SA5C-SV-15.0-16.0	3F40201-08	Air	02-Jun-14 11:59	02-Jun-14 15:49
FB-060214	3F40201-09	Air	02-Jun-14 13:31	02-Jun-14 16:18

16510 Aston Street, Irvine, California 92606
Telephone: (949) 679-9500   Fax: (949) 679-9501

MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2754
Project Manager: Sarah Von Raesfield

Reported:
17-Jun-14 08:33

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Equipment Blank (3F40201-01) Air Sampled: 06/02/14 11:25 Analyzed: 06/02/14 11:46									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*90.1 %*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*90.4 %*	*75-2S5*		"	"	"	"	
gurro: ateDl-6 romofluorobenzene		*97.B %*	*75-2S5*		"	"	"	"	
gurro: ateD6 enzene-dC		*22S %*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*204 %*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*20C%*	*70-210*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-528-SA8-SV-5.0-6.0 (3F40201-02) Air Sampled: 06/02/14 09:08 Analyzed: 06/02/14 12:16									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*9S.5 %*	*75-2S5*		*"*	*"*	*"*	*"*	
gurro: ateDToluene-dB		*90.1 %*	*75-2S5*		*"*	*"*	*"*	*"*	
gurro: ateDI-6 romofluorobenzene		*92.S %*	*75-2S5*		*"*	*"*	*"*	*"*	
gurro: ateD6 enzene-dC		*92.C%*	*70-210*		*"*	*"*	*"*	*"*	
gurro: ateDMhloroform-d		*91.9 %*	*70-210*		*"*	*"*	*"*	*"*	
gurro: ateD3 ethylene chloride-dS		*92.0 %*	*70-210*		*"*	*"*	*"*	*"*	

MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2754
Project Manager: Sarah Von Raesfield

Reported:
17-Jun-14 08:33

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-528-SA8-SV-11.0-12.0 (3F40201-03) Air Sampled: 06/02/14 09:35 Analyzed: 06/02/14 13:21									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.011**	0.020	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*222 %*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*B9.0 %*	*75-2S5*		"	"	"	"	
gurro: ateDl-6romofluorobenzene		*207 %*	*75-2S5*		"	"	"	"	
gurro: ateD6enzene-dC		*9S.C%*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*91.1 %*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*B9.B %*	*70-210*		"	"	"	"	

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MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2754
Project Manager: Sarah Von Raesfield

Reported:
17-Jun-14 08:33

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-528-SA8-SV-18.5-19.5 (3F40201-04) Air Sampled: 06/02/14 09:58 Analyzed: 06/02/14 13:50									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*99.5 %*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*90.C%*	*75-2S5*		"	"	"	"	
gurro: ateDl-6 romofluorobenzene		*94.1 %*	*75-2S5*		"	"	"	"	
gurro: ateD6 enzene-dC		*92.1 %*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*221 %*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*B5.0 %*	*70-210*		"	"	"	"	

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MWH Americas, Inc.
250 No. Madison Avenue
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Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2754
Project Manager: Sarah Von Raesfield

Reported:
17-Jun-14 08:33

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-505-SA5C-SV-5.0-6.0 (3F40201-05) Air Sampled: 06/02/14 10:52 Analyzed: 06/02/14 14:21									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.0090**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*B5.9 %*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*92.C%*	*75-2S5*		"	"	"	"	
gurro: ateDl-6 romofluorobenzene		*225 %*	*75-2S5*		"	"	"	"	
gurro: ateD6 enzene-dC		*202 %*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*20B %*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*94.2 %*	*70-210*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-505-SA5C-SV-10.0-11.0 (3F40201-06) Air	**Sampled: 06/02/14 11:24**	**Analyzed: 06/02/14 14:50**							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	**0.017**	0.020	"	"	"	"	"	"	J
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*20B %*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*B9.B %*	*75-2S5*		"	"	"	"	
gurro: ateDl-6romofluorobenzene		*9B.C%*	*75-2S5*		"	"	"	"	
gurro: ateD6enzene-dC		*9S.7 %*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*99.1 %*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*B7.C%*	*70-210*		"	"	"	"	

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVL-805-SA5C-SV-10.0-11.0 (3F40201-07) Air Sampled: 06/02/14 11:24 Analyzed: 06/02/14 15:19									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.0076**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*20C%*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*92.0 %*	*75-2S5*		"	"	"	"	
gurro: ateDl-6 romofluorobenzene		*95.S %*	*75-2S5*		"	"	"	"	
gurro: ateD6 enzene-dC		*94.5 %*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*94.0 %*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*BC.C%*	*70-210*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds

Environmental Support Technologies

SVL-505-SA5C-SV-15.0-16.0 (3F40201-08) Air Sampled: 06/02/14 11:59 Analyzed: 06/02/14 15:49

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.0054**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*92.0 %*	*75-2S5*		"	"	"	"	
gurro: ateDToluene-dB		*B9.B %*	*75-2S5*		"	"	"	"	
gurro: ateDl-6 romofluorobenzene		*20B %*	*75-2S5*		"	"	"	"	
gurro: ateD6 enzene-dC		*20S %*	*70-210*		"	"	"	"	
gurro: ateDMhloroform-d		*22C%*	*70-210*		"	"	"	"	
gurro: ateD3 ethylene chloride-dS		*91.S %*	*70-210*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-060214 (3F40201-09) Air Sampled: 06/02/14 13:31 Analyzed: 06/02/14 16:18									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34F0201	06/02/14	06/02/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
gurro: ateD8 ibromofluoromethane		*99.4 %*	*75-2S5*		*"*	*"*	*"*	*"*	
gurro: ateDToluene-dB		*BC4 %*	*75-2S5*		*"*	*"*	*"*	*"*	
gurro: ateDl-6 romofluorobenzene		*BS.S %*	*75-2S5*		*"*	*"*	*"*	*"*	
gurro: ateD6 enzene-dC		*99.1 %*	*70-210*		*"*	*"*	*"*	*"*	
gurro: ateDMhloroform-d		*B7.0 %*	*70-210*		*"*	*"*	*"*	*"*	
gurro: ateD3 ethylene chloride-dS		*94.1 %*	*70-210*		*"*	*"*	*"*	*"*	

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MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

Project: Santa Susana Field Laboratory, Canoga Park
Project Number: EST2754
Project Manager: Sarah Von Raesfield

Reported:
17-Jun-14 08:33

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34F0201 - Volatiles										
Blank (34F0201-BLK1)				Prepared & Analyzed: 06/02/14						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l							
1,1,1-Trichloroethane	ND	0.020	"							
1,1,2,2-Tetrachloroethane	ND	0.020	"							
1,1,2-Trichloro-trifluoroethane	ND	0.020	"							
1,1,2-Trichloroethane	ND	0.020	"							
1,1-Dichloroethane	ND	0.020	"							
1,1-Dichloroethene	ND	0.020	"							
1,2-Dichloroethane	ND	0.020	"							
Benzene	ND	0.020	"							
cis-1,2-Dichloroethene	ND	0.020	"							
Carbon tetrachloride	ND	0.020	"							
Chloroethane	ND	0.020	"							
Chloroform	ND	0.020	"							
Dichlorodifluoromethane	ND	0.020	"							
Ethylbenzene	ND	0.020	"							
Methylene Chloride	ND	0.020	"							
ortho-Xylene	ND	0.020	"							
meta- and para-Xylenes	ND	0.020	"							
trans-1,2-Dichloroethene	ND	0.020	"							
Tetrachloroethene	ND	0.020	"							
Toluene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
Trichlorofluoromethane	ND	0.020	"							
Vinyl Chloride	ND	0.020	"							
gurro: ateD8 ibromofluoromethane	*S.4C*		*"*	*S.50*		*91.5*	*75-2S5*			
gurro: ateDToluene-dB	*S.41*		*"*	*S.50*		*94.7*	*75-2S5*			
gurro: ateDl-6romofluorobenzene	*S.C7*		*"*	*S.50*		*207*	*75-2S5*			
gurro: ateD6enzene-dC	*S.2C*		*"*	*S.50*		*BC.C*	*70-210*			
gurro: ateDMhloroform-d	*S.79*		*"*	*S.50*		*22S*	*70-210*			
gurro: ateD3 ethylene chloride-dS	*S.00*		*"*	*S.50*		*B0.2*	*70-210*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds - Quality Control
Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34F0201 - Volatiles										
LCS (34F0201-BS1)				Prepared & Analyzed: 06/02/14						
1,1,1,2-Tetrachloroethane	1.41	0.020	ug/l	1.25		113	75-136			
1,1,1-Trichloroethane	1.14	0.020	"	1.25		91.2	73-134			
1,1,2,2-Tetrachloroethane	1.64	0.020	"	1.25		131	56-149			
1,1,2-Trichloro-trifluoroethane	1.22	0.020	"	1.25		97.6	83-125			
1,1,2-Trichloroethane	1.17	0.020	"	1.25		93.6	67-137			
1,1-Dichloroethane	1.26	0.020	"	1.25		101	80-121			
1,1-Dichloroethene	1.30	0.020	"	1.25		104	73-137			
1,2-Dichloroethane	1.11	0.020	"	1.25		88.8	75-131			
Benzene	1.00	0.020	"	1.25		80.0	79-118			
cis-1,2-Dichloroethene	1.04	0.020	"	1.25		83.2	85-116			QL-L
Carbon tetrachloride	1.26	0.020	"	1.25		101	74-143			
Chloroethane	1.22	0.020	"	1.25		97.6	60-137			
Chloroform	1.30	0.020	"	1.25		104	82-140			
Dichlorodifluoromethane	1.40	0.020	"	1.25		112	47-129			
Ethylbenzene	1.35	0.020	"	1.25		108	83-125			
Methylene Chloride	1.11	0.020	"	1.25		88.8	81-126			
ortho-Xylene	1.24	0.020	"	1.25		99.2	85-115			
meta- and para-Xylenes	2.27	0.020	"	2.50		90.8	83-115			
trans-1,2-Dichloroethene	1.12	0.020	"	1.25		89.6	72-133			
Tetrachloroethene	1.16	0.020	"	1.25		92.8	60-144			
Toluene	1.08	0.020	"	1.25		86.4	70-115			
Trichloroethene	1.11	0.020	"	1.25		88.8	68-132			
Trichlorofluoromethane	1.36	0.020	"	1.25		109	62-144			
Vinyl Chloride	1.19	0.020	"	1.25		95.2	66-137			
gurro: ateD8 ibromofluoromethane	*24.2*		"	*2S.5*		*205*	*75-2S5*			
gurro: ateDToluene-dB	*24.5*		"	*2S.5*		*20B*	*75-2S5*			
gurro: ateD1-6 romofluorobenzene	*2S.4*		"	*2S.5*		*9B.S*	*75-2S5*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34F0201 - Volatiles										
LCS Dup (34F0201-BSD1)				Prepared & Analyzed: 06/02/14						
1,1,1,2-Tetrachloroethane	0.150	0.020	ug/l	0.125		120	75-136	162	20	QR-04
1,1,1-Trichloroethane	0.170	0.020	"	0.125		136	73-134	148	20	QR-04
1,1,2,2-Tetrachloroethane	0.220	0.020	"	0.125		176	56-149	153	20	QR-04
1,1,2-Trichloro-trifluoroethane	0.0800	0.020	"	0.125		64.0	83-125	175	20	QR-04
1,1,2-Trichloroethane	0.190	0.020	"	0.125		152	67-137	144	20	QR-04
1,1-Dichloroethane	0.0900	0.020	"	0.125		72.0	80-121	173	20	QR-04
1,1-Dichloroethene	0.130	0.020	"	0.125		104	73-137	164	20	QR-04
1,2-Dichloroethane	0.170	0.020	"	0.125		136	75-131	147	20	QR-04
Benzene	0.140	0.020	"	0.125		112	79-118	151	20	QR-04
cis-1,2-Dichloroethene	0.120	0.020	"	0.125		96.0	85-116	159	20	QR-04
Carbon tetrachloride	0.110	0.020	"	0.125		88.0	74-143	168	20	QR-04
Chloroethane	0.140	0.020	"	0.125		112	60-137	159	20	QR-04
Chloroform	0.150	0.020	"	0.125		120	82-140	159	20	QR-04
Dichlorodifluoromethane	0.160	0.020	"	0.125		128	47-129	159	20	QR-04
Ethylbenzene	0.170	0.020	"	0.125		136	83-125	155	20	QR-04
Methylene Chloride	0.150	0.020	"	0.125		120	81-126	152	20	QR-04
ortho-Xylene	0.180	0.020	"	0.125		144	85-115	149	20	QR-04
meta- and para-Xylenes	0.290	0.020	"	0.250		116	83-115	155	20	QR-04
trans-1,2-Dichloroethene	0.120	0.020	"	0.125		96.0	72-133	161	20	QR-04
Tetrachloroethene	0.140	0.020	"	0.125		112	60-144	157	20	QR-04
Toluene	0.180	0.020	"	0.125		144	70-115	143	20	QR-04
Trichloroethene	0.160	0.020	"	0.125		128	68-132	150	20	QR-04
Trichlorofluoromethane	0.110	0.020	"	0.125		88.0	62-144	170	20	QR-04
Vinyl Chloride	0.140	0.020	"	0.125		112	66-137	158	20	QR-04
gurro: ateD8 ibromofluoromethane	*20.1*		*"*	*2S.5*		*B4.S*	*75-2S5*			
gurro: ateDToluene-dB	*2S.C*		*"*	*2S.5*		*202*	*75-2S5*			
gurro: ateDl-6 romofluorobenzene	*20.4*		*"*	*2S.5*		*BS.S*	*75-2S5*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 17-Jun-14 08:33

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34F0201 - Volatiles										
Duplicate (34F0201-DUP1)	**Source: 3F40201-02**		Prepared & Analyzed: 06/02/14							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l		ND				50	
1,1,1-Trichloroethane	ND	0.020	"		ND				50	
1,1,2,2-Tetrachloroethane	ND	0.020	"		ND				50	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"		ND				50	
1,1,2-Trichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethene	ND	0.020	"		ND				50	
1,2-Dichloroethane	ND	0.020	"		ND				50	
Benzene	ND	0.020	"		ND				50	
cis-1,2-Dichloroethene	ND	0.020	"		ND				50	
Carbon tetrachloride	ND	0.020	"		ND				50	
Chloroethane	ND	0.020	"		ND				50	
Chloroform	ND	0.020	"		ND				50	
Dichlorodifluoromethane	ND	0.020	"		ND				50	
Ethylbenzene	ND	0.020	"		ND				50	
Methylene Chloride	ND	0.020	"		ND				50	
ortho-Xylene	ND	0.020	"		ND				50	
meta- and para-Xylenes	ND	0.020	"		ND				50	
trans-1,2-Dichloroethene	ND	0.020	"		ND				50	
Tetrachloroethene	ND	0.020	"		ND				50	
Toluene	ND	0.020	"		ND				50	
Trichloroethene	ND	0.020	"		ND				50	
Trichlorofluoromethane	ND	0.020	"		ND				50	
Vinyl Chloride	ND	0.020	"		ND				50	
gurro: ateD8 ibromofluoromethane	*S.1C*		*"*	*S.50*		*9B.C*	*75-2S5*			
gurro: ateDToluene-dB	*S.S2*		*"*	*S.50*		*BB.S*	*75-2S5*			
gurro: ateD1-6 romofluorobenzene	*S.4C*		*"*	*S.50*		*91.C*	*75-2S5*			
gurro: ateD6 enzene-dC	*S.27*		*"*	*S.50*		*BC.C*	*70-210*			
gurro: ateDMhloroform-d	*S.B5*		*"*	*S.50*		*221*	*70-210*			
gurro: ateD3 ethylene chloride-dS	*S.0C*		*"*	*S.50*		*BS.S*	*70-210*			

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Notes and Definitions

QR-04	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
QL-L	Laboratory Control Sample recovery was below method control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SUMMARY OF INITIAL CALIBRATION

Rerun sample @ 5ppb @ Most.

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:24:09 2013
Response via : Initial Calibration

Calibration Files

1	=K3IC00_1.D	2	=K3IC0_25.D	3	=K07LCS01.D
4	=K3IC1_25.D	5	=K3IC02_5.D	6	=K3IC12_5.D

	Compound	1	2	3	4	5	6	Avg	%RSD	
1) I	Fluorobenzene (IS)				ISTD					
2) S	Dibromofluoromethan	0.311	0.300	0.318	0.319	0.312	0.311	0.312	2.10	
3) T	(F12) Dichlorodiflu	0.320	0.284	0.302	0.292	0.321	0.321	0.307	5.36	
4) P	Chloromethane	0.422	0.302	0.293	0.219	0.221	0.212	0.278	29.02	Linear
5) CM	Vinyl Chloride	0.276	0.224	0.211	0.207	0.207	0.199	0.221	12.88	
6) T	Bromomethane	0.338	0.225	0.179	0.162	0.150	0.139	0.199	37.55	Linear
7) T	Chloroethane	0.030	0.106	0.066	0.102	0.098	0.089	0.082	35.53	Quadratic
8) T	(F11) Trichlorofluo	0.379	0.365	0.327	0.337	0.323	0.326	0.343	6.87	
9) T	(F113) 1,1,2-Trichl	0.291	0.221	0.227	0.267	0.239	0.229	0.246	11.15	
10) CM	1,1-Dichloroethene	0.277	0.287	0.322	0.307	0.291	0.286	0.295	5.61	
11) T	Acetone	0.267	0.136	0.115	0.061	0.051	0.016	0.108	82.94	Quadratic
12) M	(IPA) Leak Check Co	0.012	0.022	0.014	0.013	0.014	0.016	0.015	27.59	
13) T	Carbon disulfide	1.178	1.037	1.080	1.042	0.958	0.941	1.039	8.28	
14) T	Methylene Chloride	0.418	0.313	0.349	0.339	0.327	0.314	0.343	11.47	
15)	(TBA) tert-Butanol	0.022	0.019	0.027	0.022	0.018	0.020	0.021	16.39	
16) TM	(MTBE) Methyl-t-but	0.789	0.678	0.760	0.729	0.655	0.638	0.708	8.56	
17) T	trans-1,2-Dichloroe	0.331	0.360	0.342	0.357	0.310	0.318	0.336	6.07	
18) PM	1,1-Dichloroethane	0.582	0.580	0.586	0.585	0.521	0.518	0.562	5.90	
19) T	cis-1,2-Dichloroeth	0.442	0.415	0.416	0.387	0.339	0.345	0.390	10.66	
20) T	2,2-Dichloropropane	0.561	0.489	0.520	0.497	0.440	0.435	0.490	9.80	
21) T	(MEK) 2-Butanone	0.036	0.041	0.042	0.021	0.440	0.435	0.035	26.97	Not in use.
22) T	(DIPE) Diisopropyl	1.055	1.006	1.006	1.025	0.901	0.867	0.977	7.64	
23) T	Bromochloromethane	0.110	0.155	0.185	0.189	0.182	0.184	0.167	18.39	
24) CM	Chloroform	0.723	0.654	0.684	0.676	0.594	0.598	0.655	7.70	
25) T	(ETBE) 2-ethoxy 2-m	1.034	0.874	0.941	0.927	0.821	0.823	0.903	9.00	
26) T	1,1,1-Trichloroetha	0.516	0.540	0.535	0.523	0.496	0.488	0.517	4.07	
27) T	(TAME) tert-Amyl me	1.000	0.749	0.821	0.764	0.701	0.680	0.786	14.75	
28) S	1,2-Dichloroethane-	0.309	0.278	0.303	0.299	0.296	0.293	0.296	3.50	
29) T	1,1-Dichloropropene	0.547	0.492	0.502	0.489	0.439	0.427	0.482	9.13	
30) T	Carbon Tetrachlorid	0.401	0.388	0.449	0.460	0.412	0.416	0.421	6.66	
31) M	Benzene	1.374	1.155	1.267	1.217	1.042	1.008	1.177	11.75	
32) M	1,2-Dichloroethane	0.501	0.382	0.445	0.419	0.385	0.365	0.416	12.20	
33) M	Trichloroethene	0.480	0.355	0.386	0.399	0.336	0.324	0.380	14.87	
34) C	1,2-Dichloropropane	0.298	0.297	0.277	0.290	0.264	0.258	0.281	6.17	
35) T	Dibromomethane	0.207	0.209	0.227	0.244	0.215	0.216	0.220	6.33	
36) T	Bromodichloromethan	0.459	0.407	0.479	0.446	0.428	0.433	0.442	5.69	
37) T	cis-1,3-Dichloropro	0.508	0.451	0.526	0.493	0.447	0.467	0.482	6.63	
38) I	Chlorobenzene-d5 (IS)				ISTD					
39) S	Toluene-d8 (SU3)	1.209	1.139	1.193	1.149	1.157	1.149	1.166	2.42	
40) T	(MIBK) 4-Methyl-2-P	0.545	0.324	0.388	0.078	0.072	0.088	0.249	79.95	Not in use.
41) CM	Toluene	2.231	1.790	1.660	1.584	1.518	1.441	1.704	16.71	

42) T	trans-1,3-Dichlorop	0.601	0.493	0.586	0.607	0.528	0.560	0.563	7.97	
43) T	1,1,2-Trichloroetha	0.310	0.285	0.355	0.328	0.286	0.281	0.308	9.58	
44) M	Tetrachloroethene	0.462	0.392	0.677	0.635	0.590	0.281	0.551	21.81	Linear
45) T	1,3-Dichloropropane	0.710	0.578	0.592	0.569	0.532	0.529	0.585	11.33	
46) T	2-Hexanone	0.333	0.186	0.340	0.266	0.333	0.182	0.273	27.20	
47) T	Dibromochloromethan	0.426	0.363	0.496	0.458	0.432	0.459	0.439	10.18	
48) T	1,2-Dibromoethane	0.412	0.355	0.430	0.402	0.394	0.396	0.398	6.27	
49) PM	Chlorobenzene	1.366	1.154	1.110	1.134	1.086	1.043	1.149	9.84	
50) T	1,1,1,2-Tetrachloro	0.449	0.384	0.437	0.407	0.388	0.387	0.409	6.91	
51) CM	Ethylbenzene	2.333	2.080	1.968	1.851	1.736	1.654	1.937	12.77	
52) TM	m,p-Xylenes	0.809	0.711	0.727	0.669	0.615	0.602	0.689	11.20	
53) TM	o-Xylene	0.867	0.664	0.674	0.671	0.615	0.594	0.681	14.25	
54) T	Styrene	1.563	1.015	1.078	1.049	0.973	0.934	1.102	21.01	Linear
55) P	Bromoform	0.237	0.199	0.286	0.259	0.238	0.276	0.249	12.69	
56) T	Isopropylbenzene	2.188	1.855	1.900	1.811	1.764	1.674	1.865	9.44	
57) T	1,2,3-Trichloroprop	0.505	0.491	0.593	0.516	0.480	0.472	0.509	8.58	
58) S	4-Bromofluorobenzen	0.518	0.507	0.527	0.511	0.510	0.495	0.511	2.08	
59) I	1,4-Dichlorobenzene-d	----------------ISTD---------------------								
60) P	1,1,2,2-Tetrachloro	1.020	0.822	1.013	0.870	0.774	0.905	0.901	11.13	
61) T	Bromobenzene	1.079	1.003	1.043	0.946	0.914	0.907	0.982	7.20	
62) T	n-Propylbenzene	6.721	5.112	5.219	4.601	4.392	4.279	5.054	17.82	
63) T	2-Chlorotoluene	3.644	2.948	3.362	3.044	2.868	2.805	3.112	10.48	
64) T	1,3,5-Trimethylbenz	3.612	3.208	3.247	3.017	2.832	2.775	3.115	9.93	
65) T	4-Chlorotoluene	3.315	2.950	2.942	2.812	2.597	2.623	2.873	9.19	
66) T	tert-Butylbenzene	2.817	2.666	3.007	2.633	2.430	2.371	2.654	8.96	
67) T	1,2,4-Trimethylbenz	3.774	3.331	3.421	3.050	2.968	2.953	3.250	9.91	
68) T	sec-Butylbenzene	4.837	3.956	4.522	4.187	3.865	3.852	4.203	9.54	
69) T	p-Isopropyltoluene	3.974	3.475	3.582	3.347	3.061	3.060	3.417	10.13	
70) T	1,3-Dichlorobenzene	2.120	1.740	1.888	1.871	1.734	1.744	1.850	8.06	
71) T	1,4-Dichlorobenzene	2.120	1.740	1.974	1.864	1.658	1.729	1.847	9.43	
72) T	n-Butylbenzene	4.391	3.645	3.644	3.397	3.264	3.192	3.589	12.14	
73) T	1,2-Dichlorobenzene	1.716	1.534	1.764	1.657	1.614	1.583	1.645	5.20	
74) T	1,2-Dibromo-3-chlor	0.082	0.104	0.111	0.148	0.133	0.146	0.121	21.61	Linear
75) T	1,2,4-Trichlorobenz	1.184	1.091	1.244	1.074	1.050	1.044	1.115	7.28	
76) T	Hexachlorobutadiene	0.297	0.477	0.596	0.481	0.499	0.507	0.476	20.56	Linear
77) T	Naphthalene	2.690	2.294	3.052	2.312	2.176	2.294	2.470	13.55	
78) T	Hexachloroethane	0.306	0.301	0.391	0.362	0.374	0.435	0.361	14.24	
79) T	1,2,3-Trichlorobenz	1.346	0.926	1.173	0.993	0.940	0.968	1.058	15.82	

(#) = Out of Range

MW111313.M   Wed Nov 13 19:25:18 2013

CONTINUING CALIBRATION VERIFICATION

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:11 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1322161	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1006129	12.50 ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	478810	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.43	113	432735	13.12 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 104.96%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	444517	14.18 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 113.44%	
39) Toluene-d8 (SU3)	12.21	98	1184054	12.62 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 100.96%	
58) 4-Bromofluorobenzene (SU4)	15.21	95	515541	12.53 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	= 100.24%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	41462	1.28 ug/L	98
4) Chloromethane	4.46	50	32049	1.32 ug/L	88
5) Vinyl Chloride	4.60	62	28962	1.24 ug/L	73
6) Bromomethane	5.12	96	22089	1.34 ug/L	98
7) Chloroethane	5.25	64	12507	1.22 ug/L	97
8) (F11) Trichlorofluorometha	5.64	101	42596	1.17 ug/L	99
9) (F113) 1,1,2-Trichloro-tri	6.34	151	33334	1.28 ug/L	98
10) 1,1-Dichloroethene	6.43	96	40138	1.29 ug/L	45
11) Acetone	6.47	58	22408	5.76 ug/L #	3
12) (IPA) Leak Check Compound	6.51	45	115919	72.96 ug/L	86
13) Carbon disulfide	6.85	76	134795	1.23 ug/L #	89
14) Methylene Chloride	7.11	84	38556	1.06 ug/L #	33
15) (TBA) tert-Butanol	7.10	59	9118	4.04 ug/L	100
16) (MTBE) Methyl-t-butyl ethe	7.41	73	121655	1.62 ug/L #	85
17) trans-1,2-Dichloroethene	7.48	96	39567	1.11 ug/L #	51
18) 1,1-Dichloroethane	8.06	63	69362	1.17 ug/L	92
19) cis-1,2-Dichloroethene	8.83	96	42606	1.03 ug/L #	69
20) 2,2-Dichloropropane	8.84	77	2505	0.05 ug/L #	1
21) (MEK) 2-Butanone	8.79	72	7716	2.08 ug/L #	7
22) (DIPE) Diisopropyl Ether	8.01	45	140220	1.36 ug/L #	87
23) Bromochloromethane	9.17	128	16277	0.92 ug/L #	45
24) Chloroform	9.21	83	91005	1.31 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:11 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	(ETBE) 2-ethoxy 2-methyl p	8.50	59	119430	1.25 ug/L	#	91
26)	1,1,1-Trichloroethane	9.50	97	72643	1.33 ug/L		95
27)	(TAME) tert-Amyl methyl et	10.00	73	105684	1.27 ug/L	#	90
29)	1,1-Dichloropropene	9.69	75	79599	1.56 ug/L	#	89
30)	Carbon Tetrachloride	9.71	117	51277	1.15 ug/L		92
31)	Benzene	9.98	78	140305	1.13 ug/L	#	85
32)	1,2-Dichloroethane	9.99	62	61336	1.39 ug/L		90
33)	Trichloroethene	10.74	130	48134	1.20 ug/L		86
34)	1,2-Dichloropropane	11.05	63	39819	1.34 ug/L	#	35
35)	Dibromomethane	11.21	93	38230	1.65 ug/L	#	81
36)	Bromodichloromethane	11.34	83	78426	1.68 ug/L		99
37)	cis-1,3-Dichloropropene	11.87	75	58918	1.16 ug/L	#	56
40)	(MIBK) 4-Methyl-2-Pentanon	12.11	43	31693	1.58 ug/L	#	100
41)	Toluene	12.28	91	148228	1.08 ug/L		92
42)	trans-1,3-Dichloropropene	12.50	75	58055	1.28 ug/L	#	52
43)	1,1,2-Trichloroethane	12.75	83	30078	1.22 ug/L	#	69
44)	Tetrachloroethene	12.93	164	55074	1.14 ug/L		88
45)	1,3-Dichloropropane	12.96	76	55505	1.18 ug/L		97
46)	2-Hexanone	12.97	43	73499	3.34 ug/L	#	80
47)	Dibromochloromethane	13.25	129	55062	1.56 ug/L	#	93
48)	1,2-Dibromoethane	13.42	107	48417	1.51 ug/L		93
49)	Chlorobenzene	13.95	112	104356	1.13 ug/L	#	72
50)	1,1,1,2-Tetrachloroethane	14.01	131	46491	1.41 ug/L	#	89
51)	Ethylbenzene	14.02	91	203547	1.31 ug/L		95
52)	m,p-Xylenes	14.14	106	120300	2.17 ug/L	#	39
53)	o-Xylene	14.61	106	60908	1.11 ug/L	#	38
54)	Styrene	14.62	104	99925	1.25 ug/L	#	65
55)	Bromoform	14.91	173	34871	1.74 ug/L	#	87
56)	Isopropylbenzene	15.00	105	209343	1.39 ug/L	#	86
57)	1,2,3-Trichloropropane	15.42	75	85782	2.09 ug/L	#	1
60)	1,1,2,2-Tetrachloroethane	15.33	83	57358	1.66 ug/L		99
61)	Bromobenzene	15.43	156	44206	1.18 ug/L	#	66
62)	n-Propylbenzene	15.46	91	283313	1.46 ug/L	#	86
63)	2-Chlorotoluene	15.61	91	197758	1.66 ug/L	#	82
64)	1,3,5-Trimethylbenzene	15.62	105	183888	1.54 ug/L	#	83
65)	4-Chlorotoluene	15.72	91	181549	1.65 ug/L	#	87
66)	tert-Butylbenzene	16.02	119	147696	1.45 ug/L	#	71

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:11 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

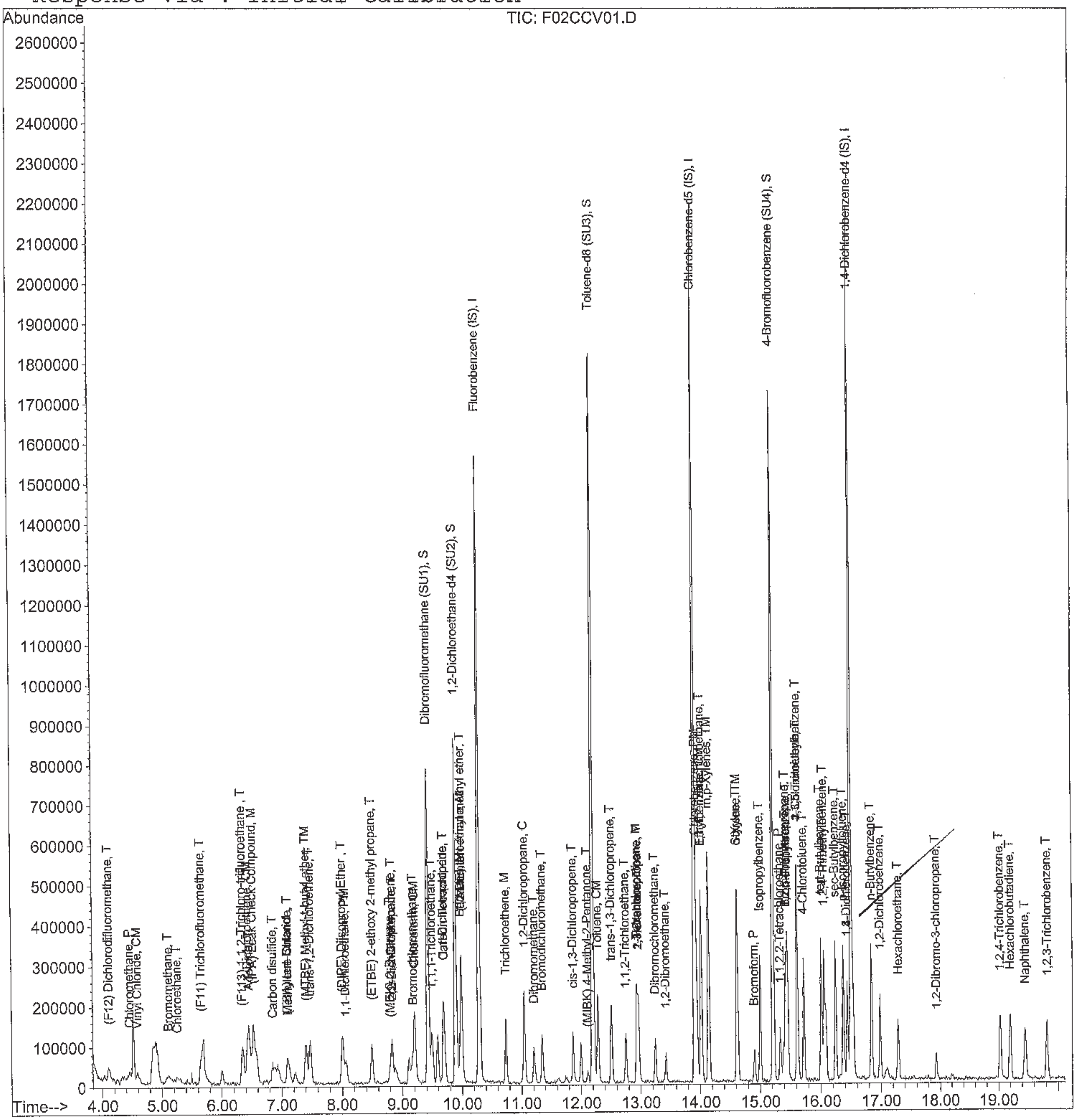
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
67)	1,2,4-Trimethylbenzene	16.06	105	189633	1.52 ug/L	#	79
68)	sec-Butylbenzene	16.24	105	217939	1.35 ug/L	#	91
69)	p-Isopropyltoluene	16.38	119	184285	1.41 ug/L	#	82
70)	1,3-Dichlorobenzene	16.44	146	78542	1.11 ug/L	#	91
71)	1,4-Dichlorobenzene	16.44	146	78542	1.11 ug/L		93
72)	n-Butylbenzene	16.84	91	207019	1.51 ug/L	#	90
73)	1,2-Dichlorobenzene	16.99	146	72773	1.16 ug/L	#	90
74)	1,2-Dibromo-3-chloropropan	17.93	75	22479	4.08 ug/L	#	68
75)	1,2,4-Trichlorobenzene	19.03	180	53414	1.25 ug/L	#	94
76)	Hexachlorobutadiene	19.19	225	34896	1.81 ug/L		95
77)	Naphthalene	19.44	128	121607	1.29 ug/L		100
78)	Hexachloroethane	17.29	201	18600	1.34 ug/L	#	81
79)	1,2,3-Trichlorobenzene	19.82	180	46296	1.14 ug/L	#	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:11 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene (IS)	12.500	12.500	0.0	100	0.00
2	S	Dibromofluoromethane (SU1)	12.500	13.121	-5.0	102	0.00
3	T	(F12) Dichlorodifluorometha	1.250	1.279	-2.3	107	0.04
4	P	Chloromethane	1.250	1.324	-5.9	110	0.07
5	CM	Vinyl Chloride	1.250	1.241	0.7	105	0.04
6	T	Bromomethane	1.250	1.341	-7.3	103	0.02
7	T	Chloroethane	1.250	1.217	2.6	93	0.01
8	T	(F11) Trichlorofluoromethan	1.250	1.174	6.1	95	0.03
9	T	(F113) 1,1,2-Trichloro-trif	1.250	1.282	-2.6	94	0.01
10	CM	1,1-Dichloroethene	1.250	1.287	-3.0	98	0.03
11	T	Acetone	1.250	5.765	-361.2#	275	0.01
12	M	(IPA) Leak Check Compound	62.500	72.962	-16.7	125	-0.03
13	T	Carbon disulfide	1.250	1.226	1.9	97	0.04
14	T	Methylene Chloride	1.250	1.062	15.0	86	0.03
15		(TBA) tert-Butanol	12.500	4.043	67.7#	31	-0.02
16	TM	(MTBE) Methyl-t-butyl ether	2.500	1.624	35.0#	63	0.00
17	T	trans-1,2-Dichloroethene	1.250	1.112	11.0	83	0.01
18	PM	1,1-Dichloroethane	1.250	1.167	6.6	89	0.00
19	T	cis-1,2-Dichloroethene	1.250	1.032	17.4	83	0.00
20	T	2,2-Dichloropropane	1.250	0.048	96.2#	4	0.01
21	T	(MEK) 2-Butanone	1.250	2.076	-66.1#	141	0.00
22	T	(DIPE) Diisopropyl Ether	1.250	1.357	-8.6	103	0.00
23	T	Bromochloromethane	1.250	0.920	26.4	65	0.02
24	CM	Chloroform	1.250	1.314	-5.1	101	0.00
25	T	(ETBE) 2-ethoxy 2-methyl pr	1.250	1.250	0.0	97	0.00
26	T	1,1,1-Trichloroethane	1.250	1.330	-6.4	105	0.01
27	T	(TAME) tert-Amyl methyl eth	1.250	1.271	-1.7	104	0.00
28	S	1,2-Dichloroethane-d4 (SU2)	12.500	14.182	-13.5	112	0.00
29	T	1,1-Dichloropropene	1.250	1.560	-24.8	123	0.00
30	T	Carbon Tetrachloride	1.250	1.152	7.8	84	0.00
31	M	Benzene	1.250	1.127	9.8	87	0.00
32	M	1,2-Dichloroethane	1.250	1.394	-11.5	110	0.00
33	M	Trichloroethene	1.250	1.198	4.2	91	0.00
34	C	1,2-Dichloropropane	1.250	1.341	-7.3	103	0.00
35	T	Dibromomethane	1.250	1.645	-31.6#	118	0.00
36	T	Bromodichloromethane	1.250	1.677	-34.2#	132	0.00
37	T	cis-1,3-Dichloropropene	1.250	1.156	7.5	90	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	I	Chlorobenzene-d5 (IS)	12.500	12.500	0.0	97	-0.01
39	S	Toluene-d8 (SU3)	12.500	12.618	-0.9	100	0.00
40	T	(MIBK) 4-Methyl-2-Pentanone	1.250	1.578	-26.2	391	0.00
41	CM	Toluene	1.250	1.081	13.5	91	0.00
42	T	trans-1,3-Dichloropropene	1.250	1.282	-2.6	93	-0.01
43	T	1,1,2-Trichloroethane	1.250	1.215	2.8	89	0.00
44	M	Tetrachloroethene	1.250	1.143	8.6	84	-0.01
45	T	1,3-Dichloropropane	1.250	1.179	5.7	94	-0.01
46	T	2-Hexanone	1.250	3.340	-167.2#	267	0.00
47	T	Dibromochloromethane	1.250	1.558	-24.6	116	-0.01
48	T	1,2-Dibromoethane	1.250	1.510	-20.8	116	-0.01
49	PM	Chlorobenzene	1.250	1.129	9.7	89	-0.01
50	T	1,1,1,2-Tetrachloroethane	1.250	1.414	-13.1	110	-0.01
51	CM	Ethylbenzene	1.250	1.305	-4.4	106	0.00
52	TM	m,p-Xylenes	2.500	2.170	13.2	87	-0.01
53	TM	o-Xylene	1.250	1.111	11.1	88	0.00
54	T	Styrene	1.250	1.248	0.2	92	-0.01
55	P	Bromoform	1.250	1.738	-39.0#	130	0.00
56	T	Isopropylbenzene	1.250	1.394	-11.5	112	0.00
57	T	1,2,3-Trichloropropane	1.250	2.092	-67.4#	161	0.00
58	S	4-Bromofluorobenzene (SU4)	12.500	12.528	-0.2	98	-0.01
59	I	1,4-Dichlorobenzene-d4 (IS)	12.500	12.500	0.0	95	0.00
60	P	1,1,2,2-Tetrachloroethane	1.250	1.663	-33.0#	131	-0.01
61	T	Bromobenzene	1.250	1.175	6.0	93	-0.01
62	T	n-Propylbenzene	1.250	1.463	-17.0	123	0.00
63	T	2-Chlorotoluene	1.250	1.659	-32.7#	129	0.00
64	T	1,3,5-Trimethylbenzene	1.250	1.541	-23.3	121	-0.01
65	T	4-Chlorotoluene	1.250	1.650	-32.0#	129	-0.01
66	T	tert-Butylbenzene	1.250	1.453	-16.2	112	0.00
67	T	1,2,4-Trimethylbenzene	1.250	1.523	-21.8	124	0.00
68	T	sec-Butylbenzene	1.250	1.354	-8.3	104	-0.01
69	T	p-Isopropyltoluene	1.250	1.408	-12.6	110	0.00
70	T	1,3-Dichlorobenzene	1.250	1.109	11.3	84	-0.01
71	T	1,4-Dichlorobenzene	1.250	1.110	11.2	84	-0.10
72	T	n-Butylbenzene	1.250	1.506	-20.5	121	0.00
73	T	1,2-Dichlorobenzene	1.250	1.155	7.6	87	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\060214L3\F02CCV01.D Vial: 9
Acq On : 2 Jun 2014 9:44 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
74	T	1,2-Dibromo-3-chloropropane	1.250	4.081	-226.5#	302	0.00
75	T	1,2,4-Trichlorobenzene	1.250	1.251	-0.1	99	0.00
76	T	Hexachlorobutadiene	1.250	1.809	-44.7#	145	-0.01
77	T	Naphthalene	1.250	1.286	-2.9	105	-0.01
78	T	Hexachloroethane	1.250	1.344	-7.5	102	-0.01
79	T	1,2,3-Trichlorobenzene	1.250	1.143	8.6	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SUMMARY OF INTERNAL STANDARDS

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\060214L3\F02BFB01.D
Tune Time : 2 Jun 14 6:12 am

Daily Calibration File : C:\HPCHEM\1\DATA\013014L3\A30CCV01.D

File	Sample	Surrogate Recovery %				Internal Standard Responses (PFB) 1590180	(CLBD 1163370	(1,4- 587649
F0200001.D	3F40201-	90	100	90	98	959959	899548	456072
F0200002.D	3F40201-	92	89	90	91	1361744	1270833	624007
F0200003.D	34F0201-	99	89	88	95	1396912	1285052	641852
F0200004.D	3F40201-	111	118	89	107	1277102	1204182	617289
F0200005.D	3F40201-	100	94	91	93	1249356	1155970	626548
F0200006.D	3F40201-	86	123	92	115	1187680	1116841	592053
F0200007.D	3F40201-	108	109	90	99	1178685	1115191	566657
F0200008.D	3F40201-	106	101	91	95	1193768	1078807	575670
F0200009.D	3F40201-	91	132	90	108	1125891	1087623	587531
F0200010.D	3F40201-	99	97	86	82	1105700	1086224	590283
F02BLK01.D	34F0201-	94	93	94	107	1631767	1469972	712180
F02LCS01.D	34F0201-	105	123	108	98	1340147	1028974	463879
F02LCS02.D	34F0201-	83	100	101	82	1321855	1048189	478089

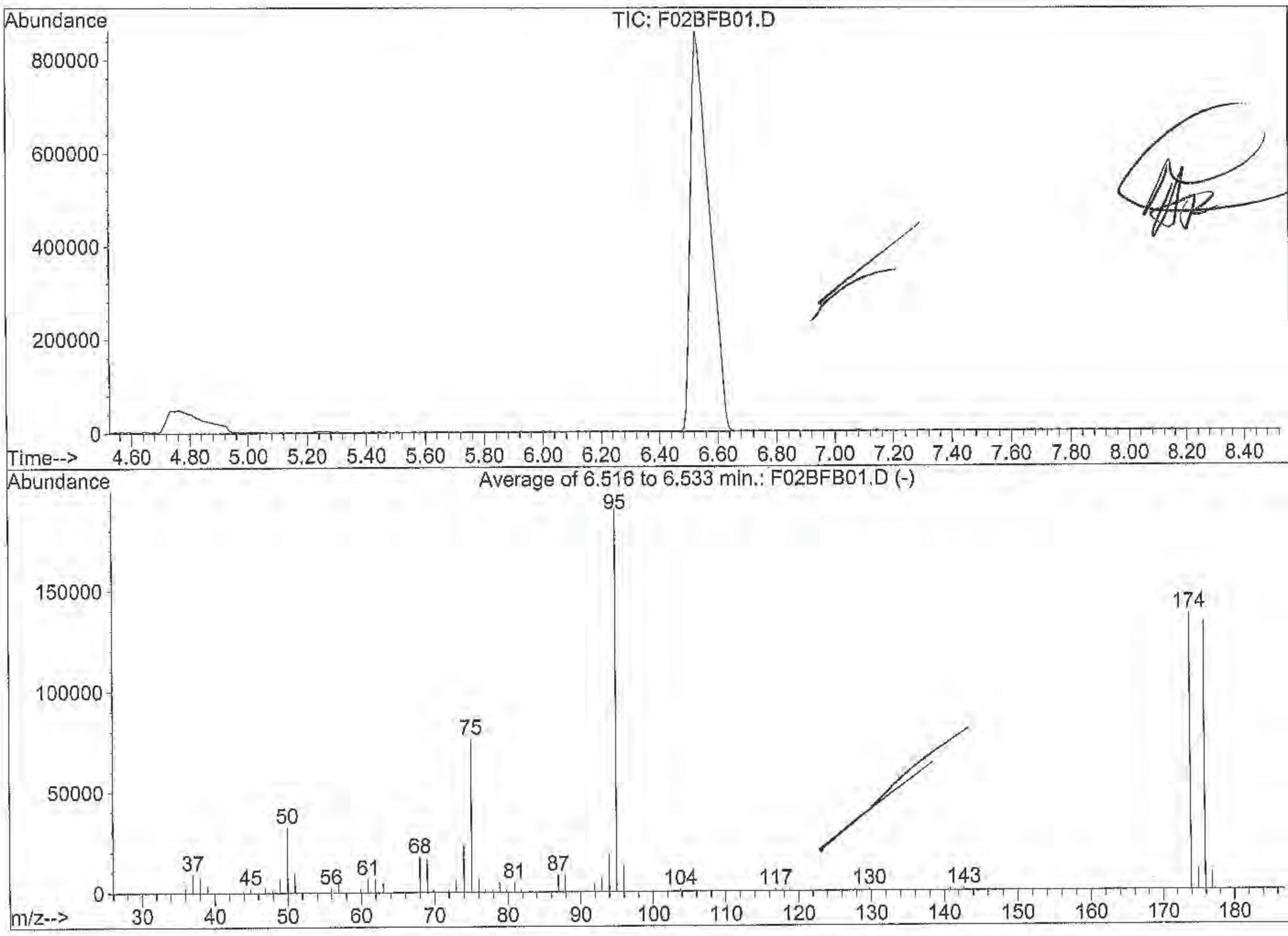
t - fails 12hr time check * - fails criteria

Created: Sun Jun 08 11:48:13 2014 GC
MS Ins

Summary of Instrument Tuning

BFB

Data File : C:\HPCHEM\1\DATA\060214L3\F02BFB01.D Vial: 1
Acq On : 2 Jun 2014 6:12 am Operator: DN
Sample : 50 ng BFB tune Inst : GC/MS Ins
Misc : 12HRS SYSTEM BFB TUNING Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN



AutoFind: Scans 319, 320, 321; Background Corrected with Scan 312

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	32368	PASS
75	95	30	60	40.2	76179	PASS
95	95	100	100	100.0	189675	PASS
96	95	5	9	6.8	12932	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.4	137253	PASS
175	174	5	9	7.5	10262	PASS
176	174	95	101	96.4	132253	PASS
177	176	5	9	6.4	8471	PASS

INJECTION LOG

Injection Log

Directory: c:\hpchem\1\data\060214l3

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	11	f0200001.d	10.	3F40201-01	100cc Equipment Blank	2 Jun 14 11:46
2	1	f0200002.d	10.	3F40201-02	100cc SVL-528-SA8-SV-5.0-6.0	2 Jun 14 12:16
3	2	f0200003.d	10.	34F0201-DUP1	100cc SVL-528-SA8-SV-5.0-6.0	2 Jun 14 12:51
4	3	f0200004.d	10.	3F40201-03	100cc SVL-528-SA8-SV-11.0-12.0	2 Jun 14 13:21
5	4	f0200005.d	10.	3F40201-04	100cc SVL-528-SA8-SV-18.5-19.5	2 Jun 14 13:50
6	5	f0200006.d	10.	3F40201-05	100cc SVL-505-SA5C-SV-5.0-6.0	2 Jun 14 14:21
7	6	f0200007.d	10.	3F40201-06	100cc SVL-505-SA5C-SV-10.0-11.0	2 Jun 14 14:50
8	7	f0200008.d	10.	3F40201-07	100cc SVL-805-SA5C-SV-10.0-11.0	2 Jun 14 15:19
9	8	f0200009.d	10.	3F40201-08	100cc SVL-505-SA5C-SV-15.0-16.0	2 Jun 14 15:49
10	1	f0200010.d	10.	3F40201-09	100cc FB-060214	2 Jun 14 16:18
11	1	f02bfb01.d	1.	50 ng BFB tune	12HRS SYSTEM BFB TUNING	2 Jun 14 06:12
12	11	f02blk01.d	10.	34F0201-BLK1	100cc AMBIENT AIR/H20	2 Jun 14 11:15
13	9	f02ccv01.d	1.	1.25/2.5/12.5 ug/L 8260B std	20mL 8260 CCV	2 Jun 14 09:44
14	10	f02lcs01.d	1.	34F0201-BS1	20cc 1.25/2.5/12.5 ug/L LCS	2 Jun 14 10:14
15	9	f02lcs02.d	1.	34F0201-BSD1	20cc 0.1/0.2/1.0 ug/L LCS	2 Jun 14 17:46

SAMPLE LOG SHEET

Environmental Support Technologies, Inc.
SOIL GAS - FIELD ANALYSIS
<u>Sample Log Sheet</u>

Date:_06/02/2014__________

Analyst:____DN__________

Lab ID:____# 3__________

Batch Number:_34F0201____

Project Number:_EST2754___

EPA Method:_8260B CHHSLS 0.02 RL   GILAN AIR5 PUMP

Initial Calibration:_MW111313.MTH   FLOW RATE @ 200mL/min

Cal Std Lot No.:__4D14009__________

LCS Std Lot No.:_4D14008__________   Glass Bulb Bake @

IS/SS Lot No.:___4D14001__________   130 degree for 30 min

MWH SSFL, CA

File No.	Port No.	Sample Lab No.	Sample ID	Amount	Dilution Factor	Bulb Surr added	Time Sample Loaded	Time Sample Analyzed	Glass Bulb #	PID READING
F402BFB1	1	50uL BFB1	12HRS TUNING	1uL	1x	PASS	@	612		
CCV1	9	1.25/2.5/12.5 CCV1	8260 STARDARD	20mL	1x	930	931	942		
BS1	9	34F0201-BS1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	955	956	1014		
BLK1	1	34F0201-BLK1	METHOD BLANK	100cc	1x	1100	1101	1115		
1	2	3F40201-01	EQUIPMENT BLANK	100cc	1x	1125	1126	1146	9	0.0
2	1	3F40201-02	SVL-528-SA8-SV-5.0-6.0	100cc	1x	908	909	1216	7	2.1
3	2	34F0201-DUP1	SVL-528-SA8-SV-5.0-6.0	100cc	1x	908	909	1251	7	2.1
4	3	3F40201-03	SVL-528-SA8-SV-11.0-12.0	100cc	1x	935	936	1321	6	3.5
5	4	3F40201-04	SVL-528-SA8-SV-18.5-19.5	100cc	1x	958	989	1350	12	6
6	5	3F40201-05	SVL-505-SA5C-SV-5.0-6.0	100cc	1x	1052	1053	1421	10	0.7
7	6	3F40201-06	SVL-505-SA5C-SV-10.0-11.0	100cc	1x	1124	1125	1450	3	1.6
8	7	3F40201-07	SVL-805-SA5C-SV-10.0-11.0	100cc	1x	1124	1125	1519	1	1.6
9	8	3F40201-08	SVL-505-SA5C-SV-15.0-16.0	100cc	1x	1159	1200	1549	11	2.2
10	1	3F40201-09	FB-060214	100cc	1x	1331	1332	1618	2	0.0
BSD1	9	34F0201-BSD1	8260 0.1/0.2/1.0 ug/L LCS	20mL	1x	1730	1731	1746		

CASE NARRATIVE

LABORATORY CASE NARRATIVE
(EPA 8260B)

SDG: 34F0201
DATE: June 02, 2014
PROJECT No.: EST2754

Nine (9) Glass Bulb soil vapor samples were analyzed on June 02, 2014, by EPA Method Analysis performed using a gas chromatograph/mass spectrometer (GC/MS).

Sample Preservation and Holding Times

Samples were preserved according to the method recommendation, unless otherwise noted on the chain-of-custody (COC) and /or the sample log sheet. Holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC Criteria

All quality objective criteria were met, except as noted in the report with data qualifiers.

Samples Analysis

No anomalies were observes during analysis of the samples.

COMMENTS:

Results that fall between the MDL and RL are 'J' flagged.

Adjusted values corrected for significant figure correction (10X) and sample volume (5X).

RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION
DUPLICATE SAMPLE

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200003.D Vial: 2
Acq On : 2 Jun 2014 12:51 pm Operator: DN
Sample : 34F0201-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 13:17 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1396912	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1285052	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	641852	12.50 ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	429432m	12.32 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 98.56%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	367900m	11.11 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 88.88%	
39) Toluene-d8 (SU3)	12.20	98	1321563	11.03 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 88.24%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	621191m	11.82 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 94.56%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	523	0.15 ~~ug/L~~ # NM	44
4) Chloromethane	4.39	50	2238	-0.27 ~~ug/L~~ #	41
5) Vinyl Chloride	4.43	62	557	0.23 ~~ug/L~~ #	1
6) Bromomethane	5.22	96	661	-1.35 ~~ug/L~~	83
7) Chloroethane	5.17	64	1632	2.09 ~~ug/L~~	98
8) (F11) Trichlorofluorometha	5.65	101	262	0.07 ~~ug/L~~ # NSM	16
9) (F113) 1,1,2-Trichloro-tri	6.34	151	278	0.10 ~~ug/L~~ #	19
10) 1,1-Dichloroethene	6.18	96	271	0.08 ~~ug/L~~ #	1
11) Acetone	6.47	58	6921	8.09 ~~ug/L~~ #	1
12) (IPA) Leak Check Compound	6.48	45	53007	315.78 ~~ug/L~~ # EM	90
13) Carbon disulfide	6.83	76	2925	0.25 ~~ug/L~~ # NSM	76
14) Methylene Chloride	7.08	84	1887	0.49 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.11	59	299	1.25 ~~ug/L~~ #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	595	0.08 ~~ug/L~~ #	55
17) trans-1,2-Dichloroethene	7.46	96	283	0.08 ~~ug/L~~ # NSM	1
18) 1,1-Dichloroethane	7.99	63	328	0.05 ~~ug/L~~ #	1
20) 2,2-Dichloropropane	8.88	77	266	0.05 ~~ug/L~~ #	36
21) (MEK) 2-Butanone	8.79	72	309	0.79 ~~ug/L~~ #	1
22) (DIPE) Diisopropyl Ether	8.22	45	305	0.03 ~~ug/L~~ #	48
23) Bromochloromethane	9.17	128	310	0.17 ~~ug/L~~ #	1
24) Chloroform	9.20	83	3340	0.46 ~~ug/L~~ #	78
25) (ETBE) 2-ethoxy 2-methyl p	8.72	59	319	0.03 ~~ug/L~~ #	44

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200003.D Vial: 2
Acq On : 2 Jun 2014 12:51 pm Operator: DN
Sample : 34F0201-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 13:17 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

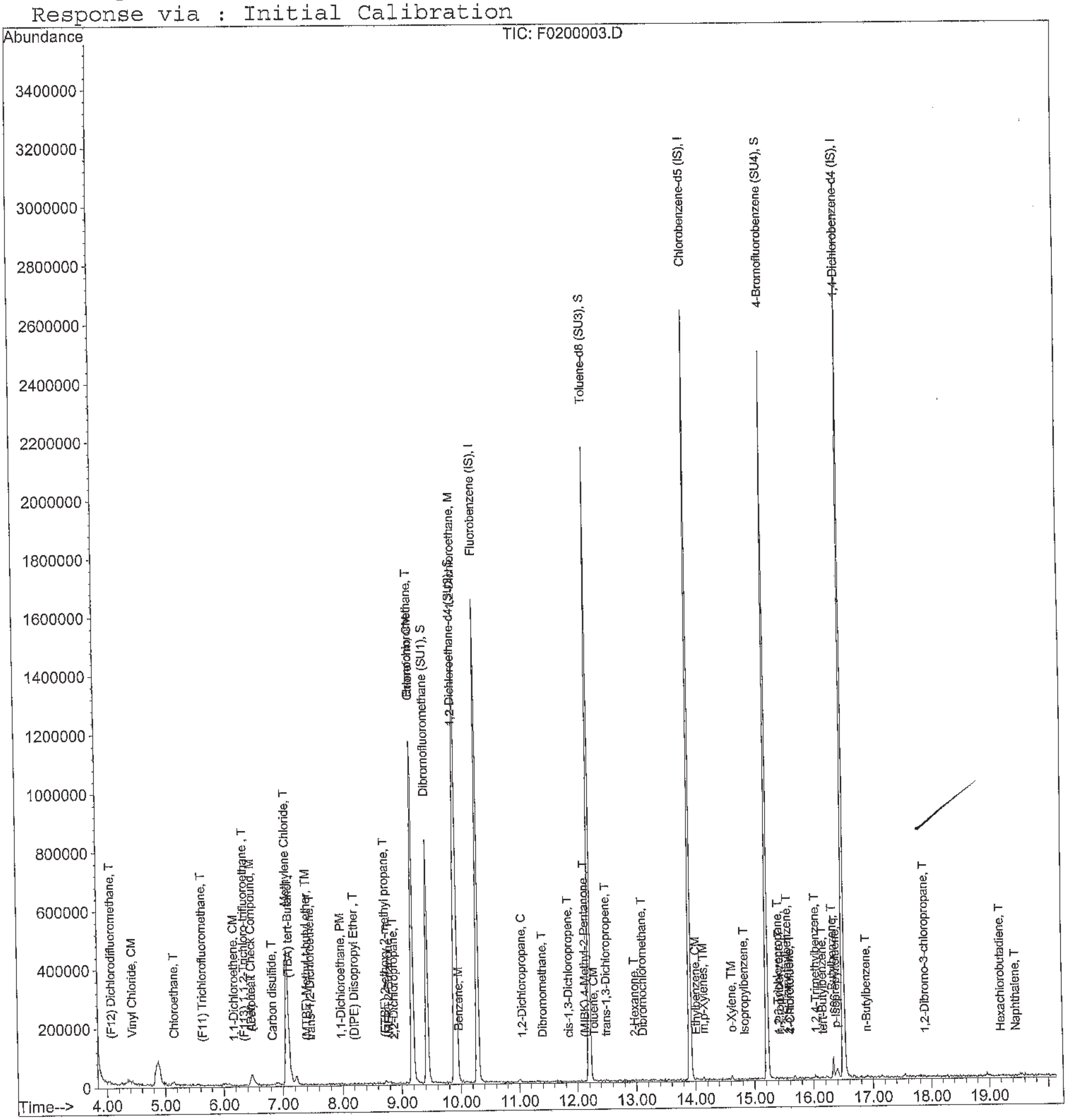
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	Benzene	9.98	78	1177	0.09	~~ug/L~~ # NSM	57
32)	1,2-Dichloroethane	9.91	62	11006	2.37	~~ug/L~~ #	1
34)	1,2-Dichloropropane	11.06	63	439	0.14	~~ug/L~~ #	38
35)	Dibromomethane	11.41	93	884	0.36	~~ug/L~~ #	5
37)	cis-1,3-Dichloropropene	11.86	75	396	0.07	~~ug/L~~ #	1
40)	(MIBK) 4-Methyl-2-Pentanon	12.13	43	435	0.17	~~ug/L~~ #	100
41)	Toluene	12.28	91	2379	0.14	ug/L # 0.0028	78
42)	trans-1,3-Dichloropropene	12.51	75	305	0.05	~~ug/L~~ # 8K	30
46)	2-Hexanone	12.97	43	476	0.17	~~ug/L~~ #	37
47)	Dibromochloromethane	13.12	129	280	0.06	~~ug/L~~ #	21
51)	Ethylbenzene	14.02	91	546	0.03	~~ug/L~~ #	45
52)	m,p-Xylenes	14.14	106	974	0.14	ug/L # 0.0028	81
53)	o-Xylene	14.62	106	444	0.06	~~ug/L~~ # 0.0012	1
54)	Styrene	14.63	104	1990	-0.68	~~ug/L~~ # NSM	84
56)	Isopropylbenzene	14.84	105	343	0.02	~~ug/L~~ #	55
57)	1,2,3-Trichloropropane	15.41	75	259	0.05	~~ug/L~~ #	36
62)	n-Propylbenzene	15.45	91	1489	0.06	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.61	91	299	0.02	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.56	105	665	0.04	~~ug/L~~ # NSM	31
65)	4-Chlorotoluene	15.62	91	353	0.02	~~ug/L~~ #	44
66)	tert-Butylbenzene	16.17	119	283	0.02	~~ug/L~~ #	24
67)	1,2,4-Trimethylbenzene	16.05	105	2267	0.14	~~ug/L~~ #	33
68)	sec-Butylbenzene	16.33	105	472	0.02	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	1382	0.08	~~ug/L~~ #	52
72)	n-Butylbenzene	16.91	91	263	0.01	~~ug/L~~ #	30
74)	1,2-Dibromo-3-chloropropan	17.90	75	364	1.37	~~ug/L~~ #	6
76)	Hexachlorobutadiene	19.20	225	299	0.26	~~ug/L~~ #	18
77)	Naphthalene	19.45	128	670	0.05	~~ug/L~~	100

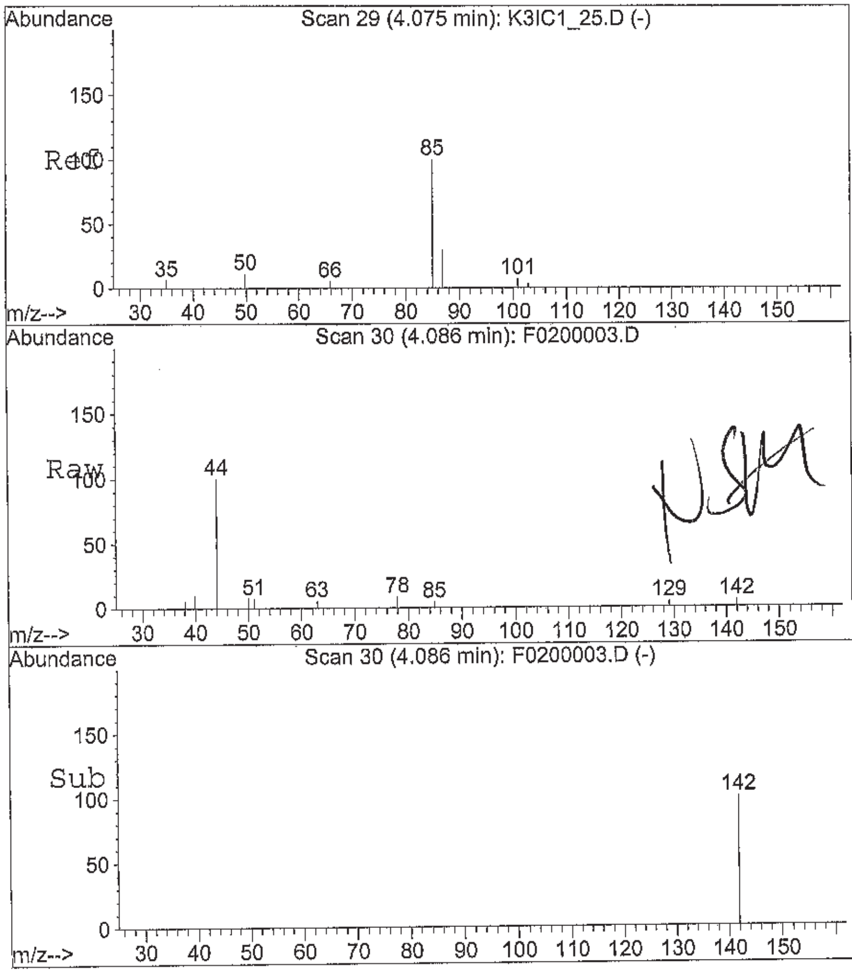
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200003.D Vial: 2
Acq On : 2 Jun 2014 12:51 pm Operator: DN
Sample : 34F0201-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 13:17 19114 Quant Results File: MW111313.RES

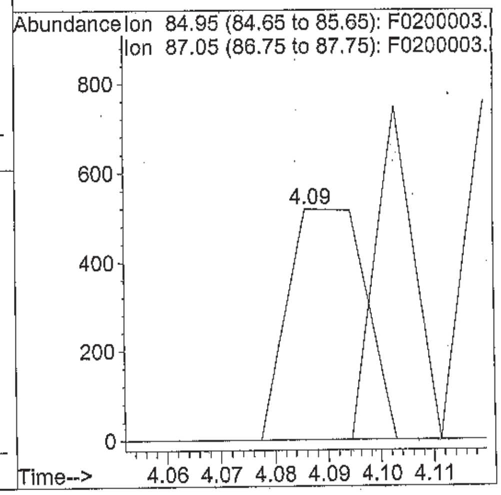
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

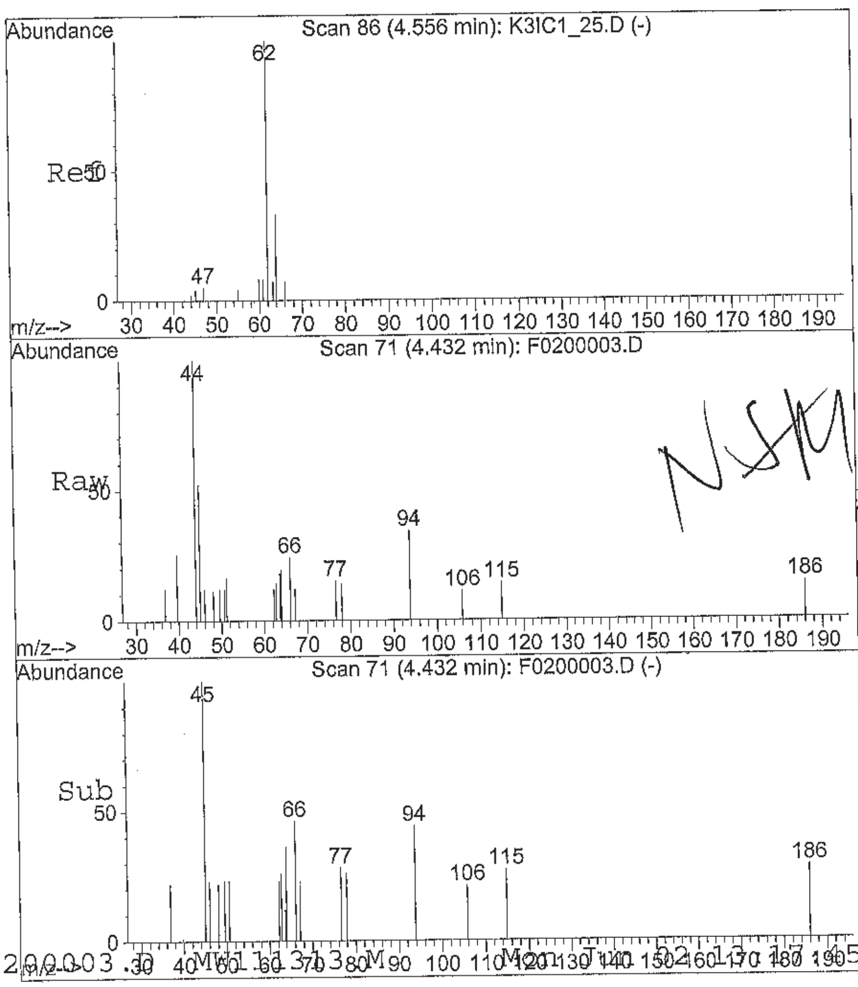




#3
(F12) Dichlorodifluoromethane
Concen: 0.15 ug/L
RT: 4.09 min Scan# 30
Delta R.T. 0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

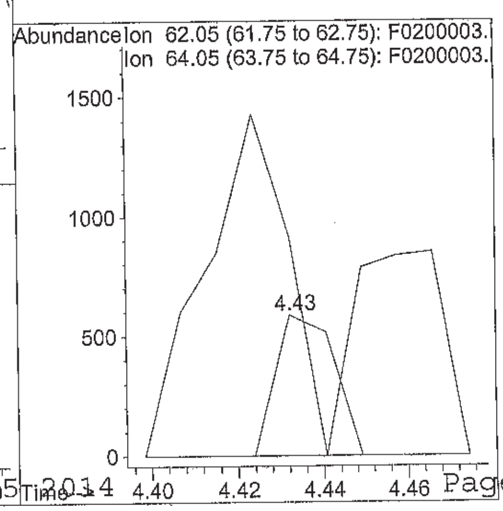
Tgt Ion: 85	Resp:		523
Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

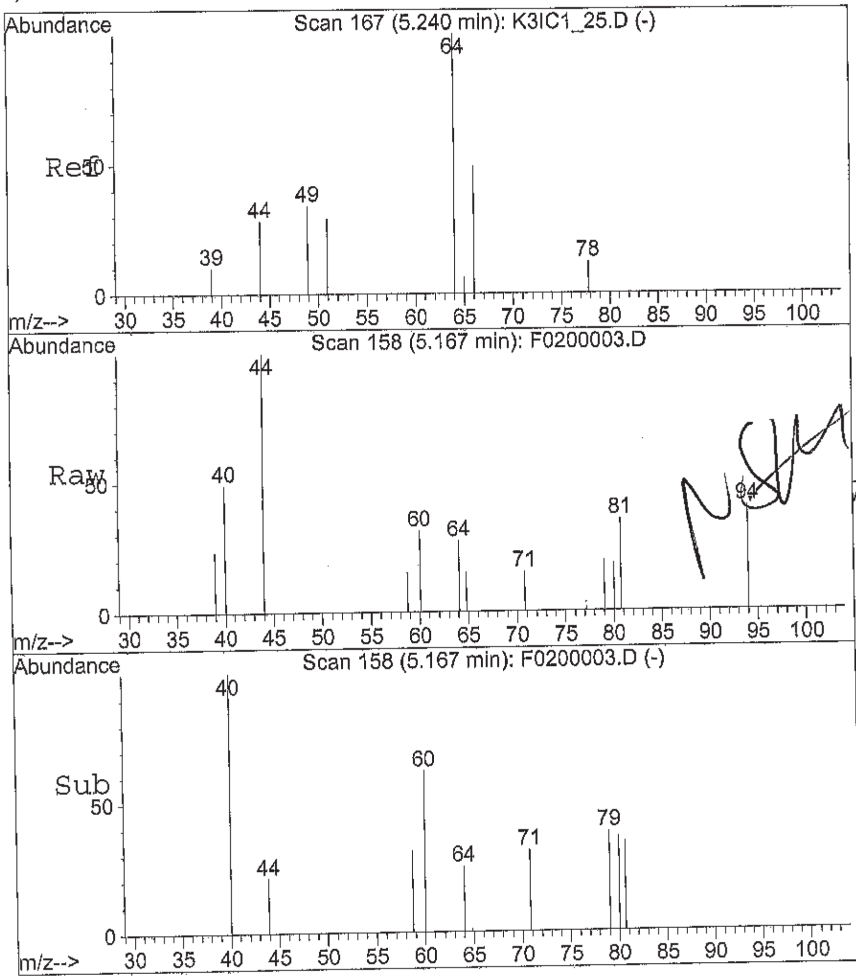




#5
Vinyl Chloride
Concen: 0.23 ug/L
RT: 4.43 min Scan# 71
Delta R.T. -0.12 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

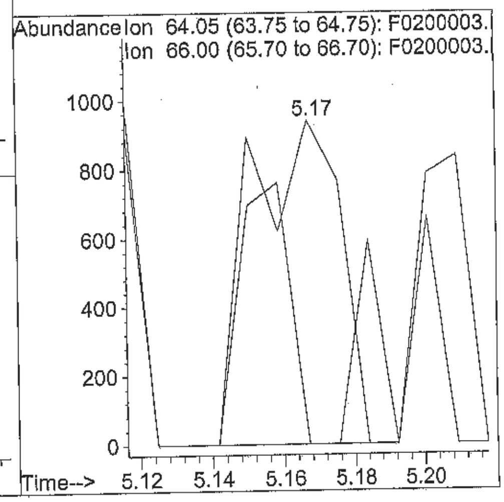
Tgt Ion: 62	Resp:		557
Ion	Ratio	Lower	Upper
62	100		
64	345.4	25.6	38.4#

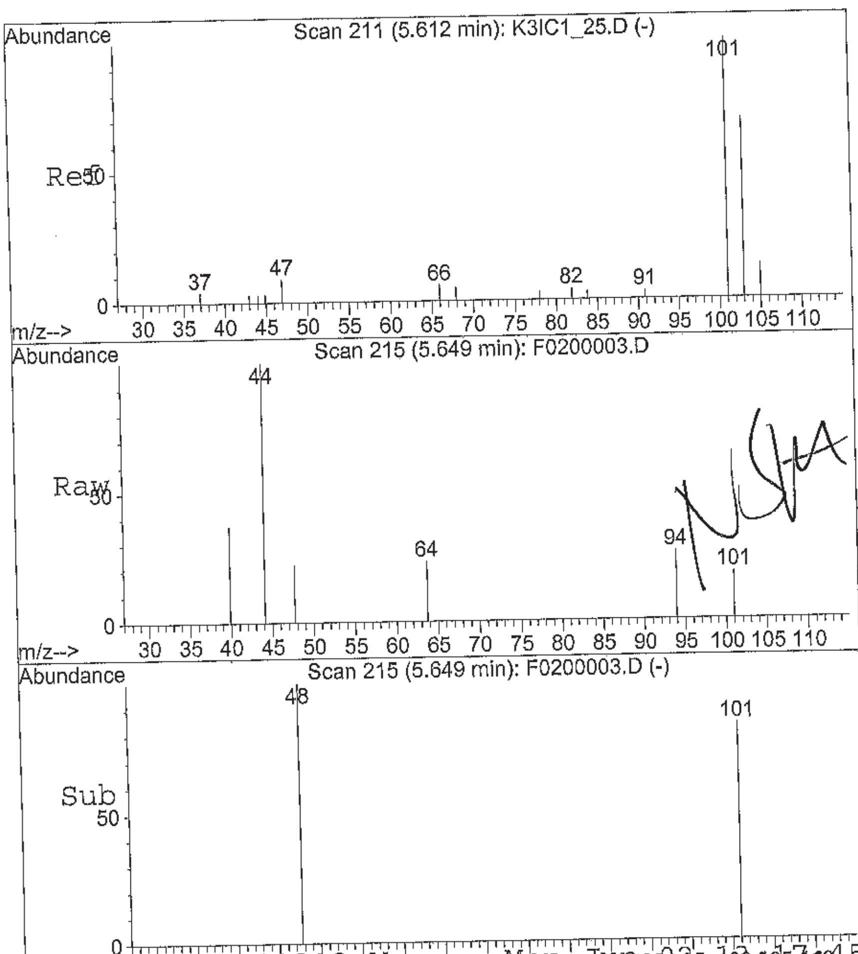




#7
Chloroethane
Concen: 2.09 ug/L
RT: 5.17 min Scan# 158
Delta R.T. -0.07 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

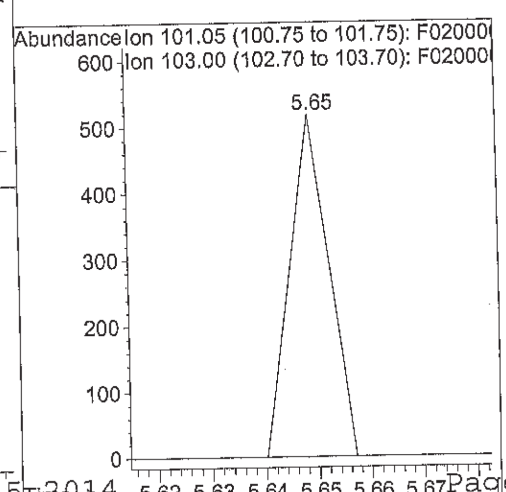
Tgt Ion: 64	Resp:		1632
Ion	Ratio	Lower	Upper
64	100		
66	45.2	35.4	53.0

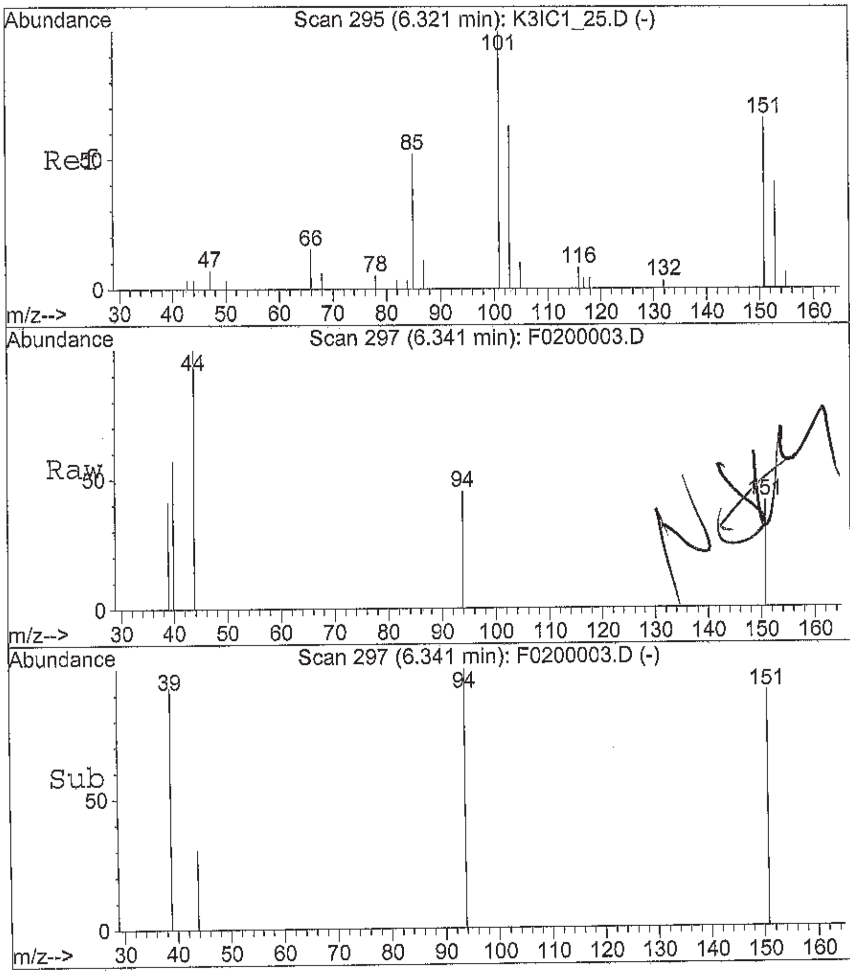




#8
(F11) Trichlorofluoromethane
Concen: 0.07 ug/L
RT: 5.65 min Scan# 215
Delta R.T. 0.04 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:101	Resp:		262
Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.5	81.7#

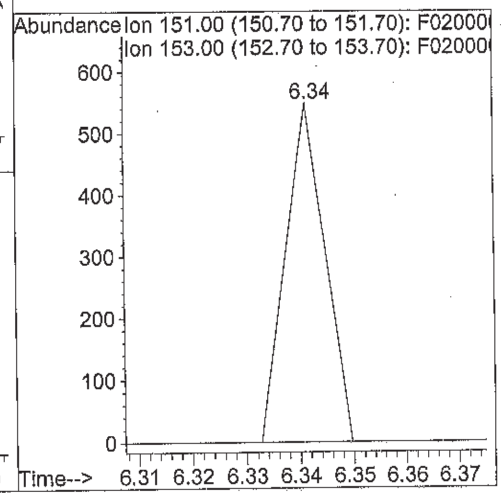


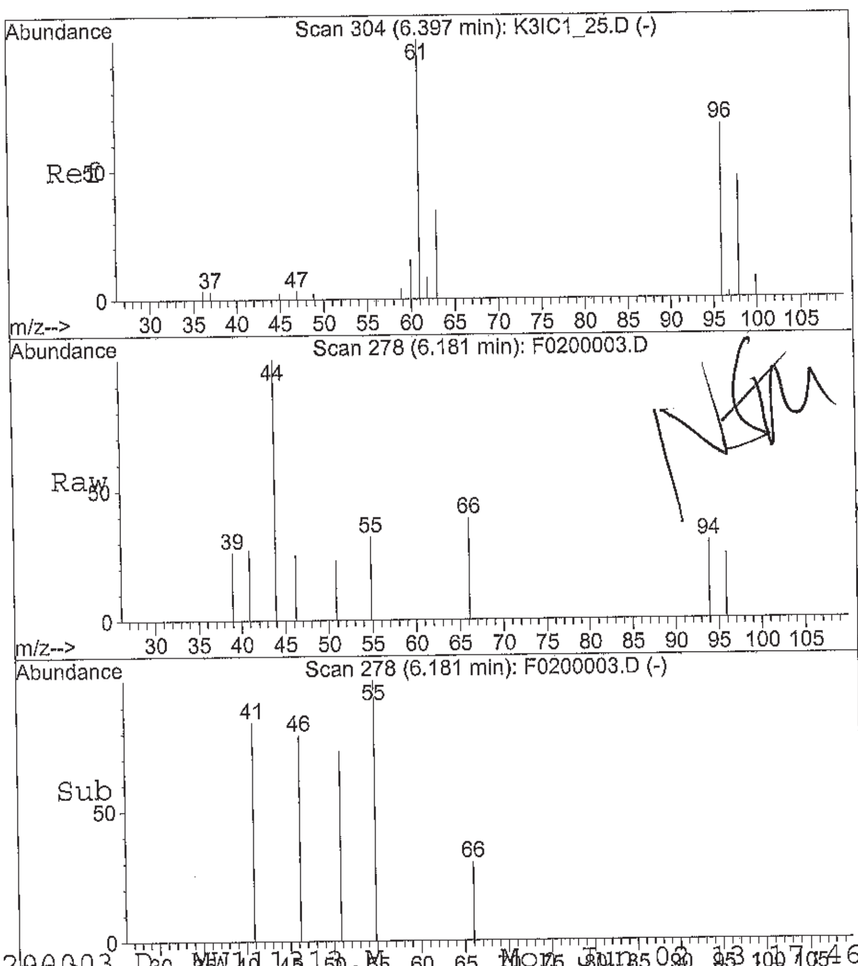


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 0.10 ug/L
RT: 6.34 min Scan# 297
Delta R.T. 0.02 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:151 Resp: 278

Ion	Ratio	Lower	Upper
151	100		
153	0.0	49.6	74.4#

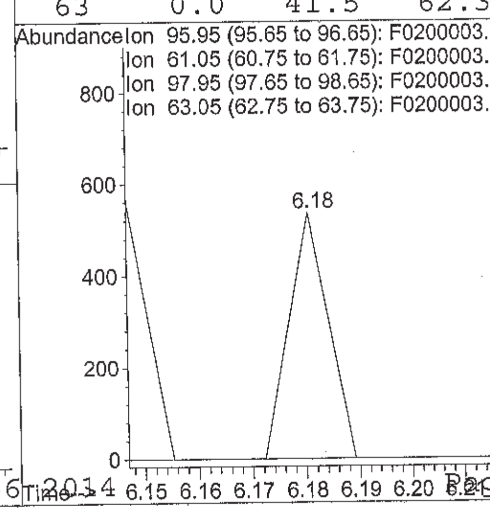




#10
1,1-Dichloroethene
Concen: 0.08 ug/L
RT: 6.18 min Scan# 278
Delta R.T. -0.22 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 96 Resp: 271

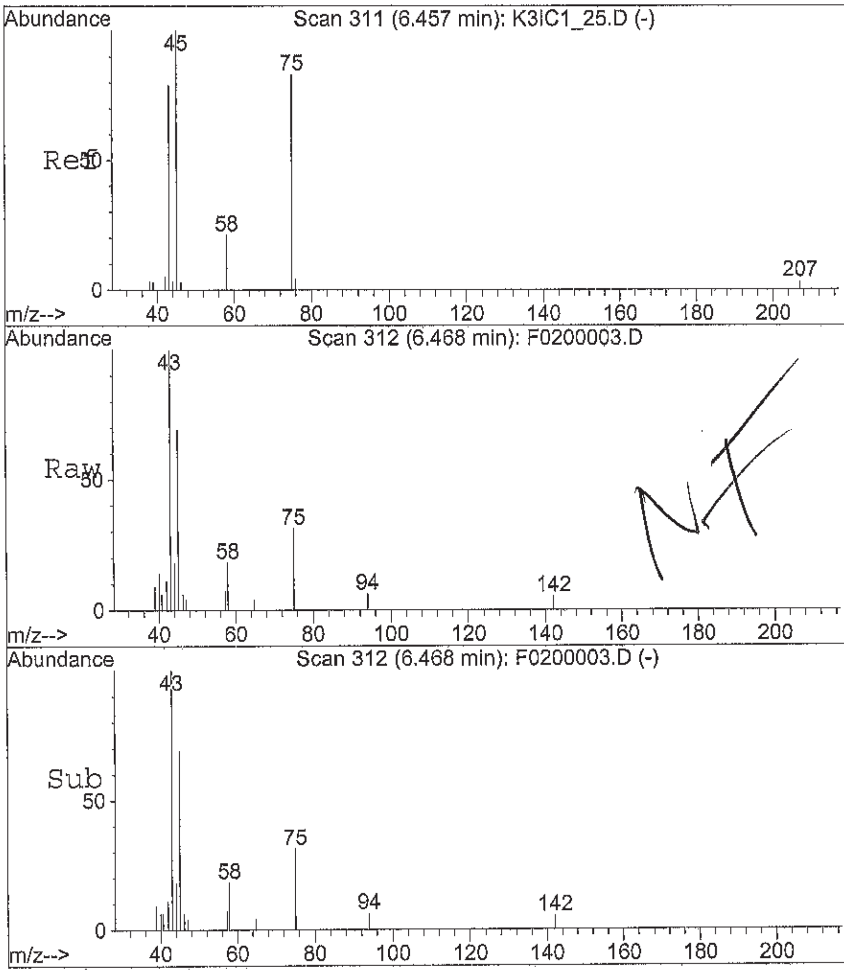
Ion	Ratio	Lower	Upper
96	100		
61	0.0	130.0	195.0#
98	0.0	56.2	84.4#
63	0.0	41.5	62.3#

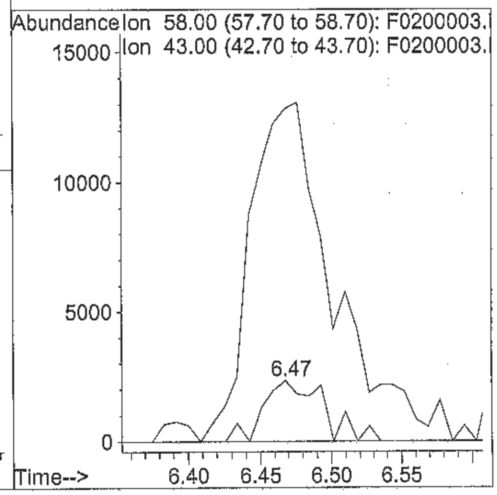


#11
Acetone
Concen: 8.09 ug/L
RT: 6.47 min Scan# 312
Delta R.T.   0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 58 Resp: 6921

Ion	Ratio	Lower	Upper
58	100		
43	757.8	360.9	541.3#

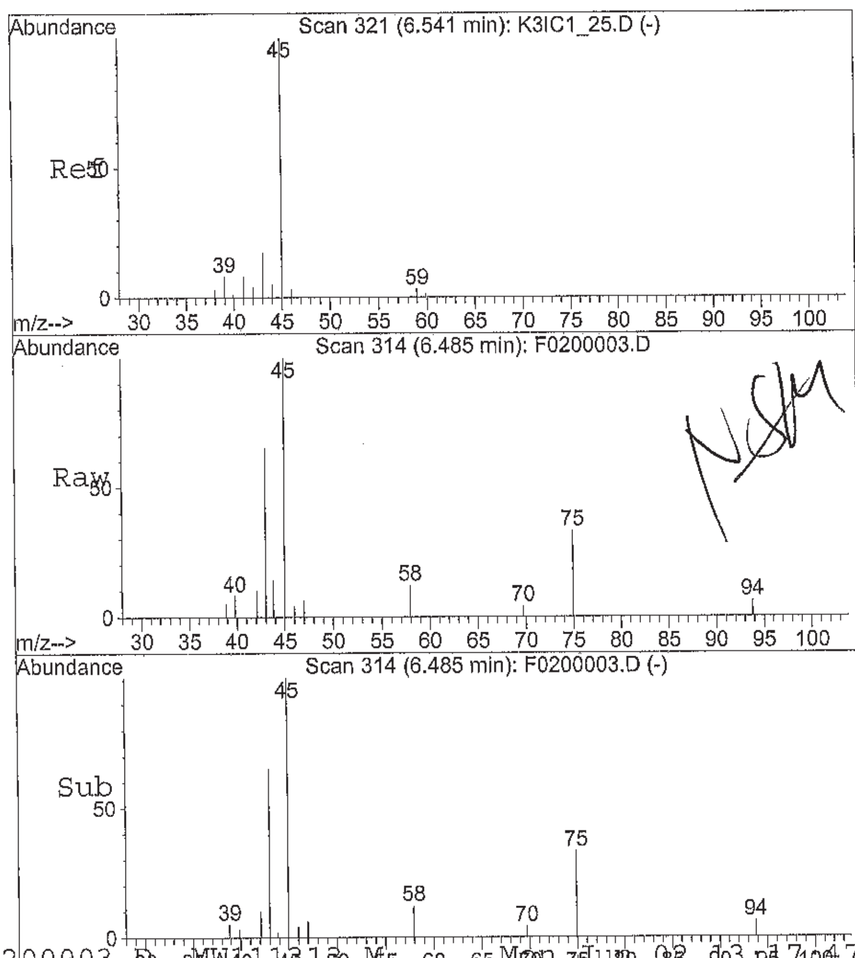


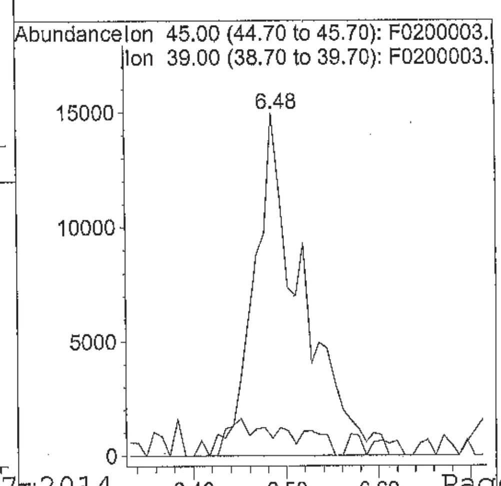


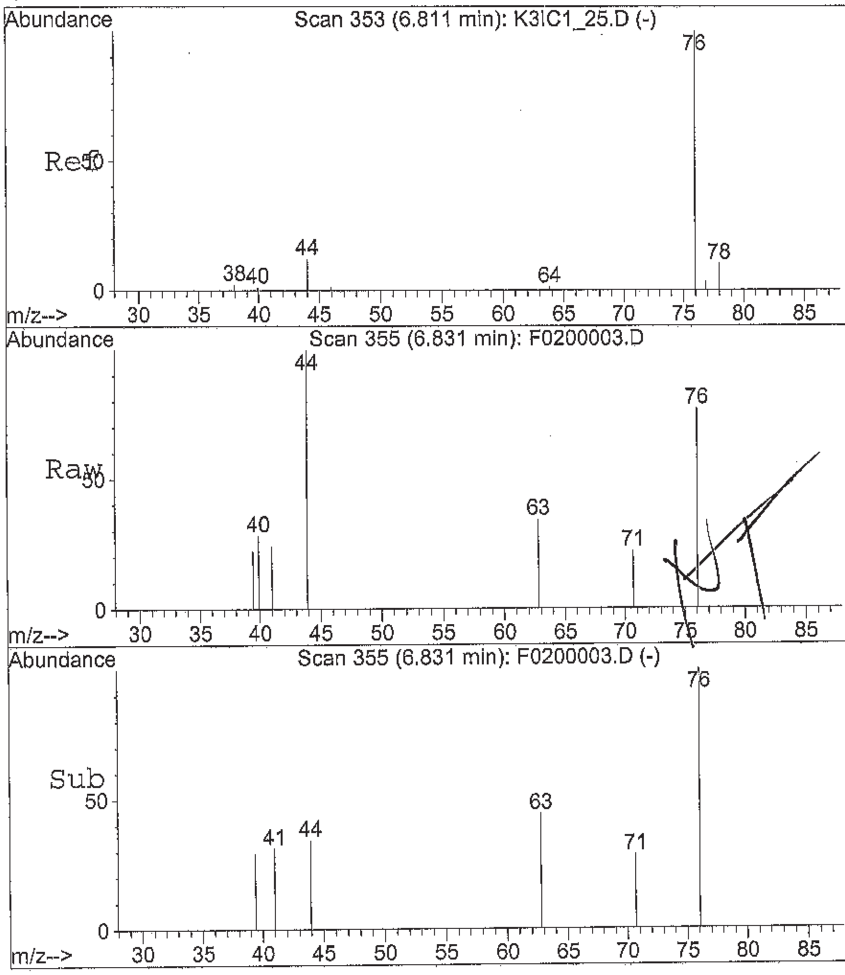
#12
(IPA) Leak Check Compound
Concen: 315.78 ug/L
RT: 6.48 min Scan# 314
Delta R.T.   -0.06 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 45 Resp: 53007

Ion	Ratio	Lower	Upper
45	100		
39	2.7	4.9	7.3#



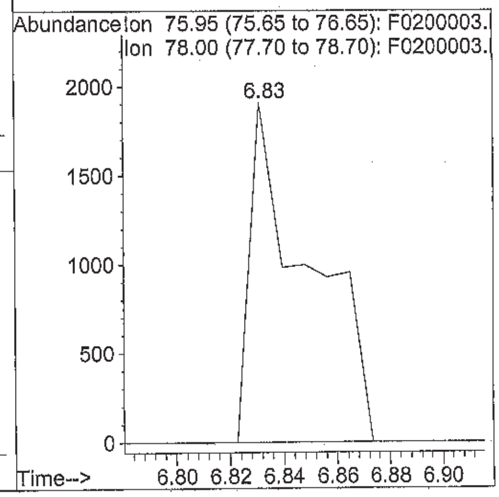


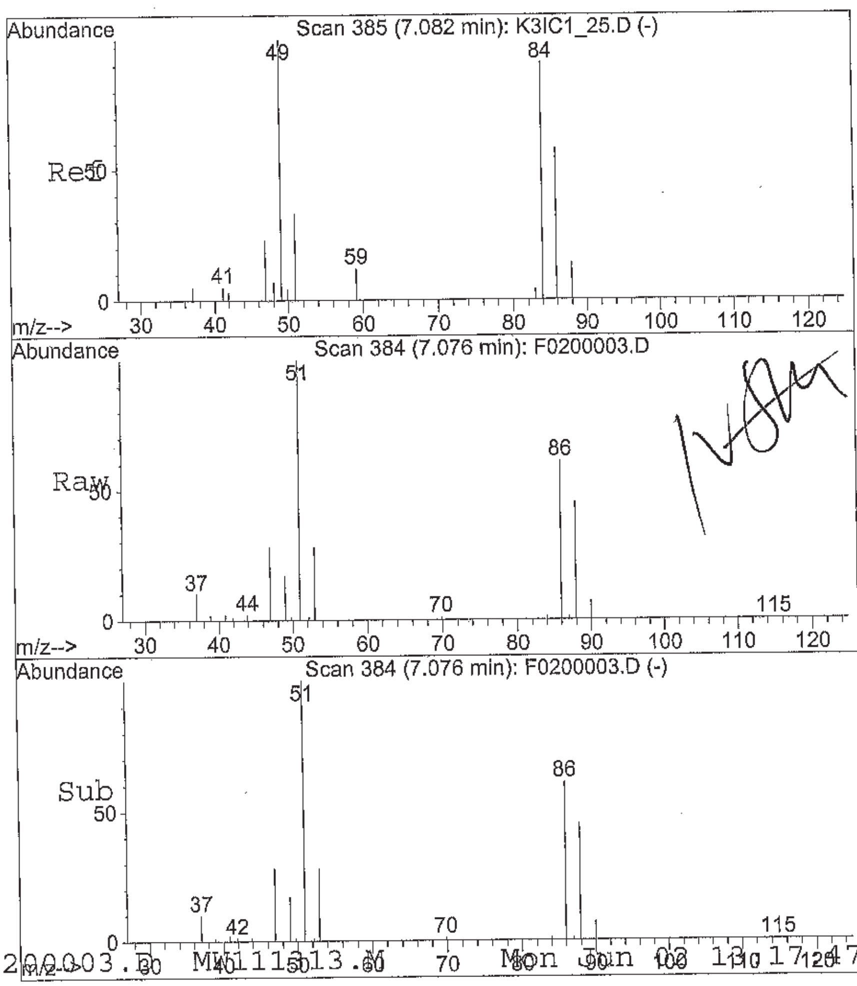


#13
Carbon disulfide
Concen: 0.25 ug/L
RT: 6.83 min   Scan# 355
Delta R.T.   0.02 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 76 Resp: 2925

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

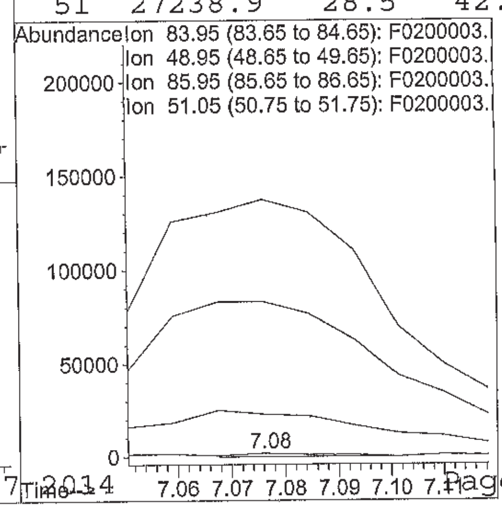


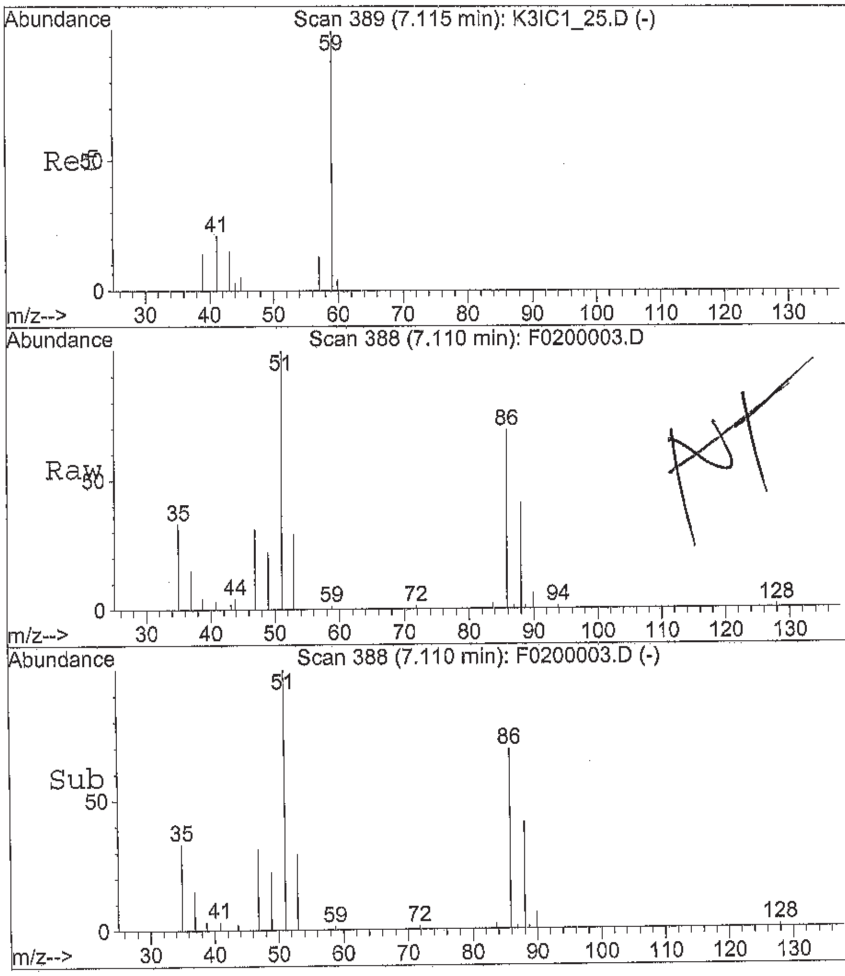


#14
Methylene Chloride
Concen: 0.49 ug/L
RT: 7.08 min   Scan# 384
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 84 Resp: 1887

Ion	Ratio	Lower	Upper
84	100		
49	4810.4	89.8	134.6#
86	16594.7	51.1	76.7#
51	27238.9	28.5	42.7#

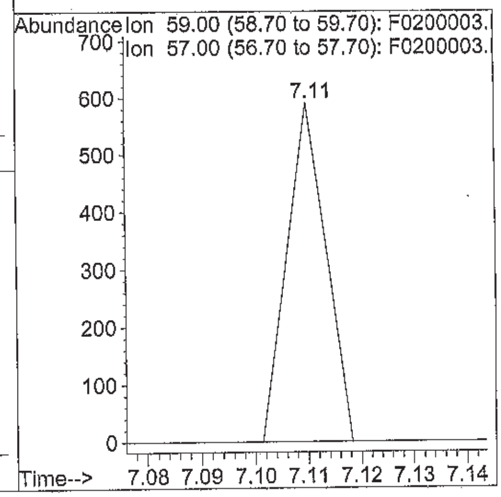


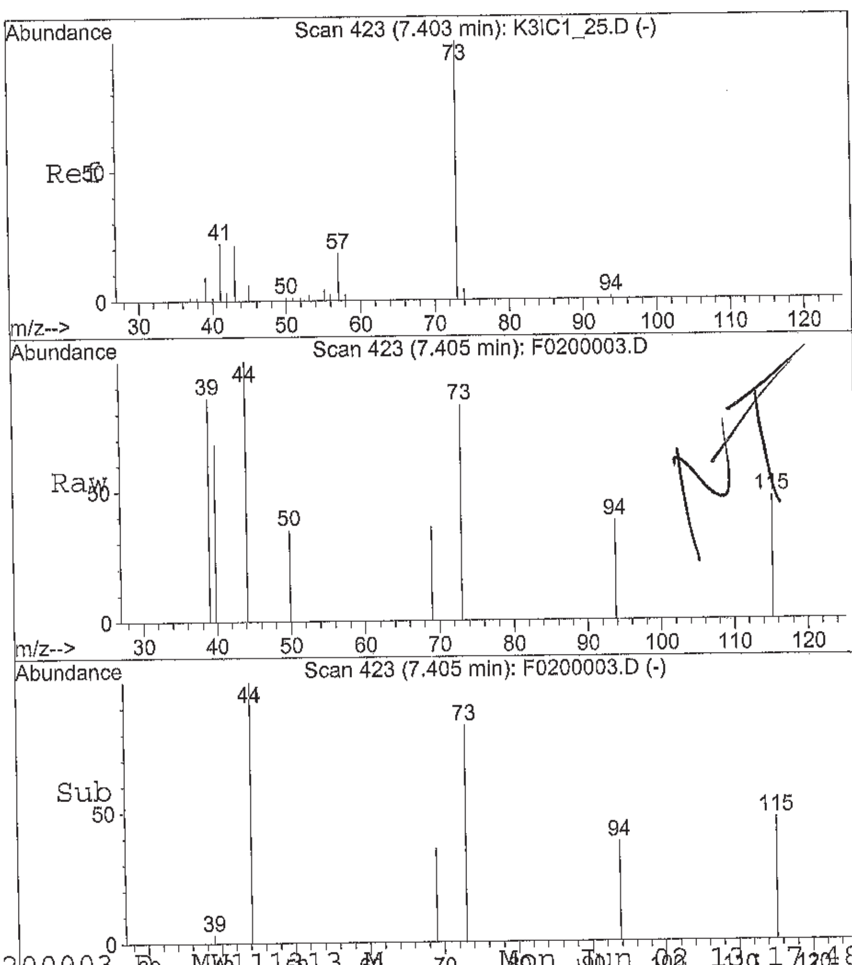


#15
(TBA) tert-Butanol
Concen: 1.25 ug/L
RT: 7.11 min Scan# 388
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 59 Resp: 299

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

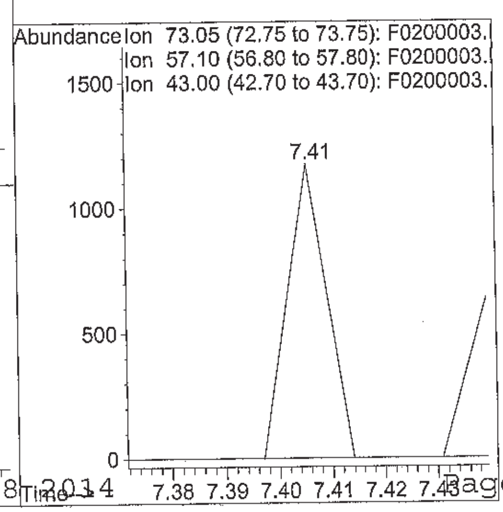


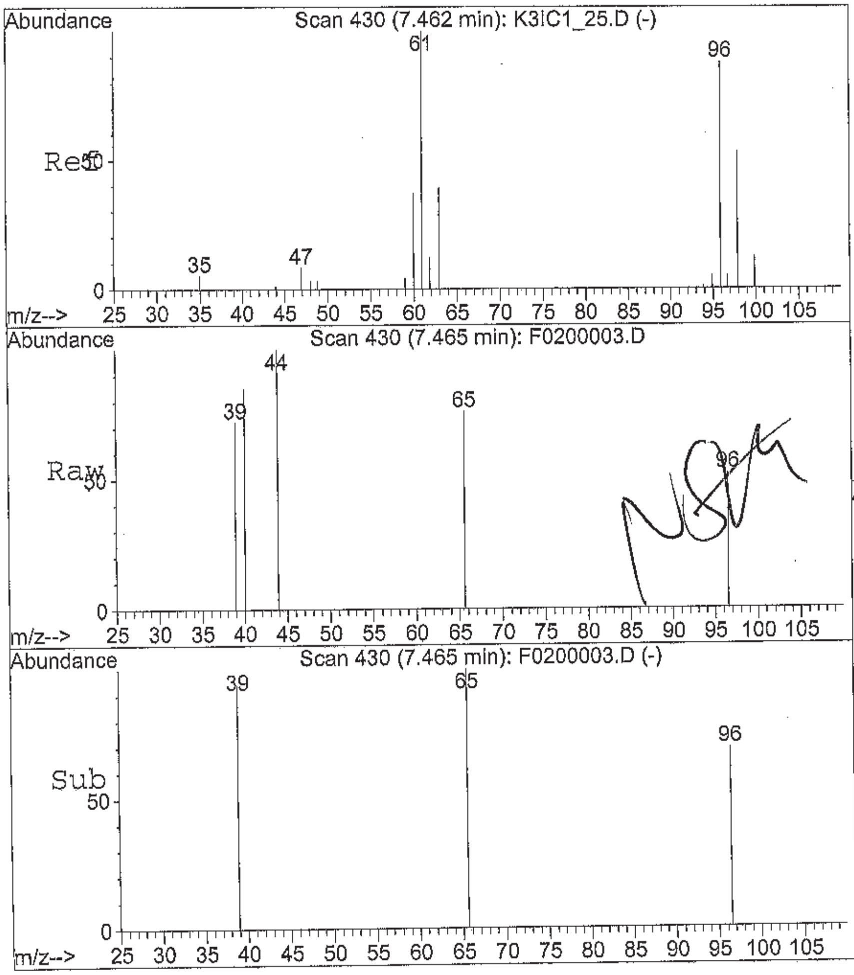


#16
(MTBE) Methyl-t-butyl ether
Concen: 0.08 ug/L
RT: 7.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 73 Resp: 595

Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.8	23.8#
43	0.0	18.4	27.6#

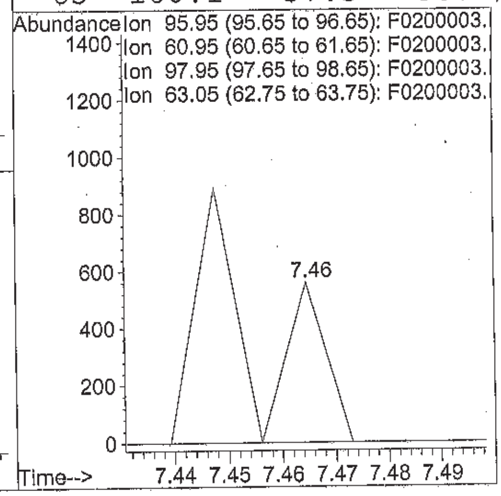


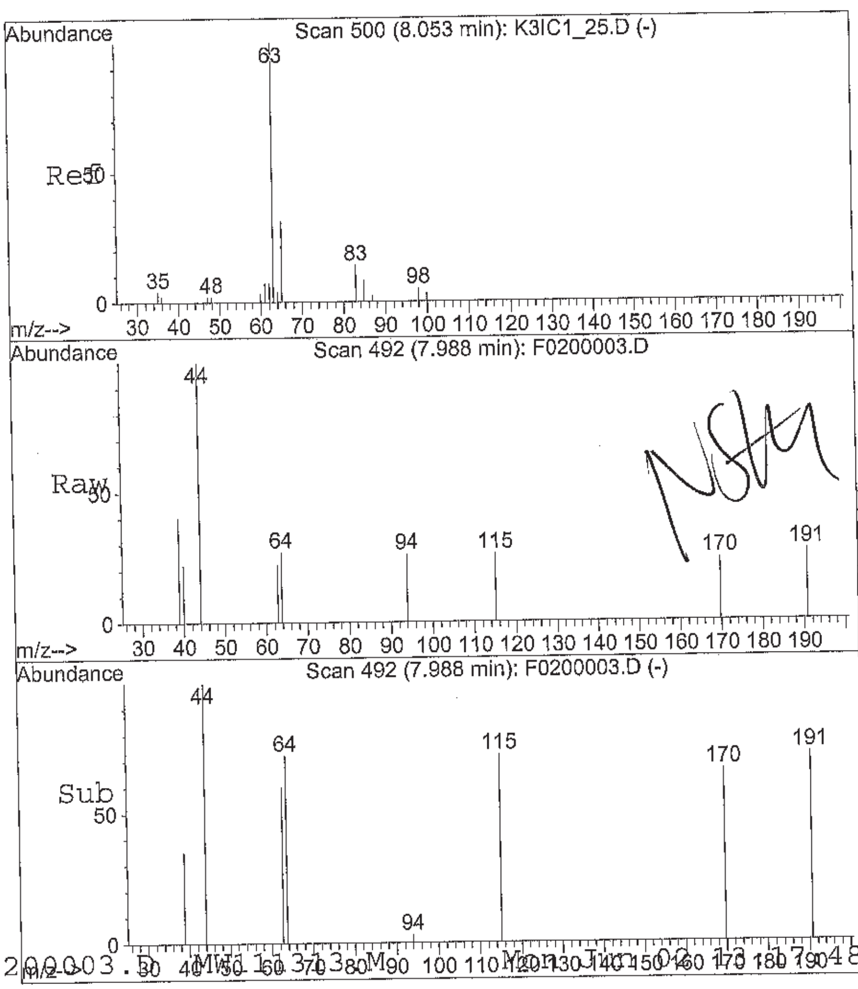


#17
trans-1,2-Dichloroethene
Concen: 0.08 ug/L
RT: 7.46 min Scan# 430
Delta R.T. 0.00 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 96 Resp: 283

Ion	Ratio	Lower	Upper
96	100		
61	0.0	104.2	156.2#
98	0.0	50.2	75.4#
63	160.1	37.5	56.3#

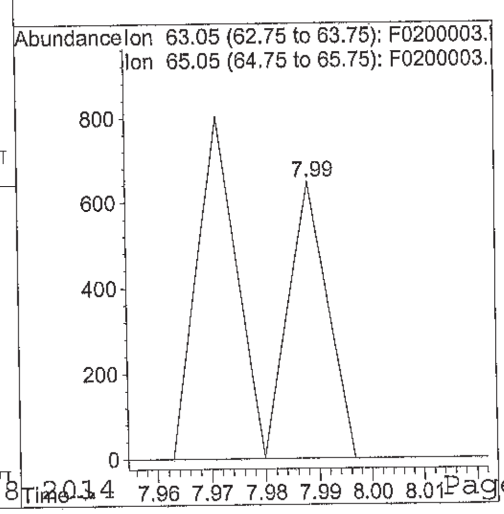


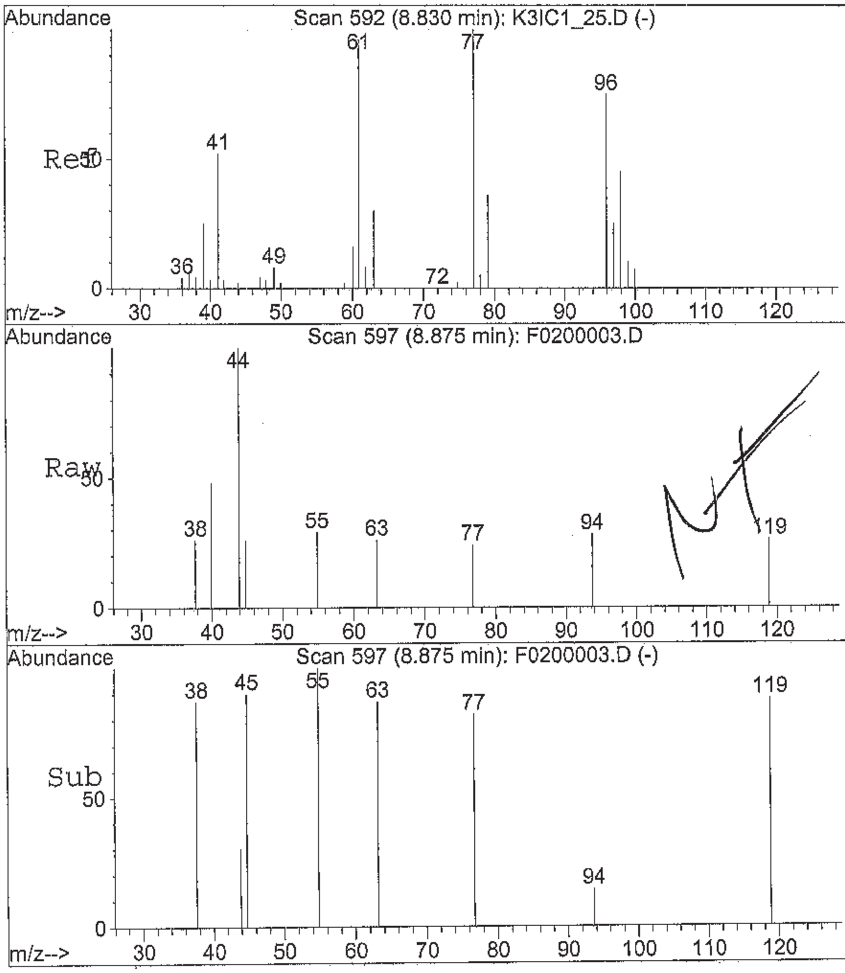


#18
1,1-Dichloroethane
Concen: 0.05 ug/L
RT: 7.99 min Scan# 492
Delta R.T. -0.06 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 63 Resp: 328

Ion	Ratio	Lower	Upper
63	100		
65	124.1	25.8	38.8#



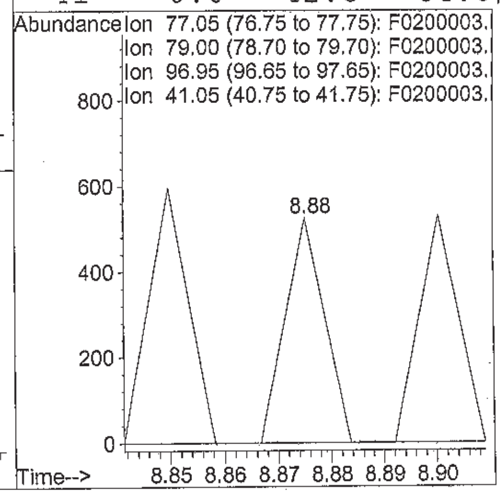


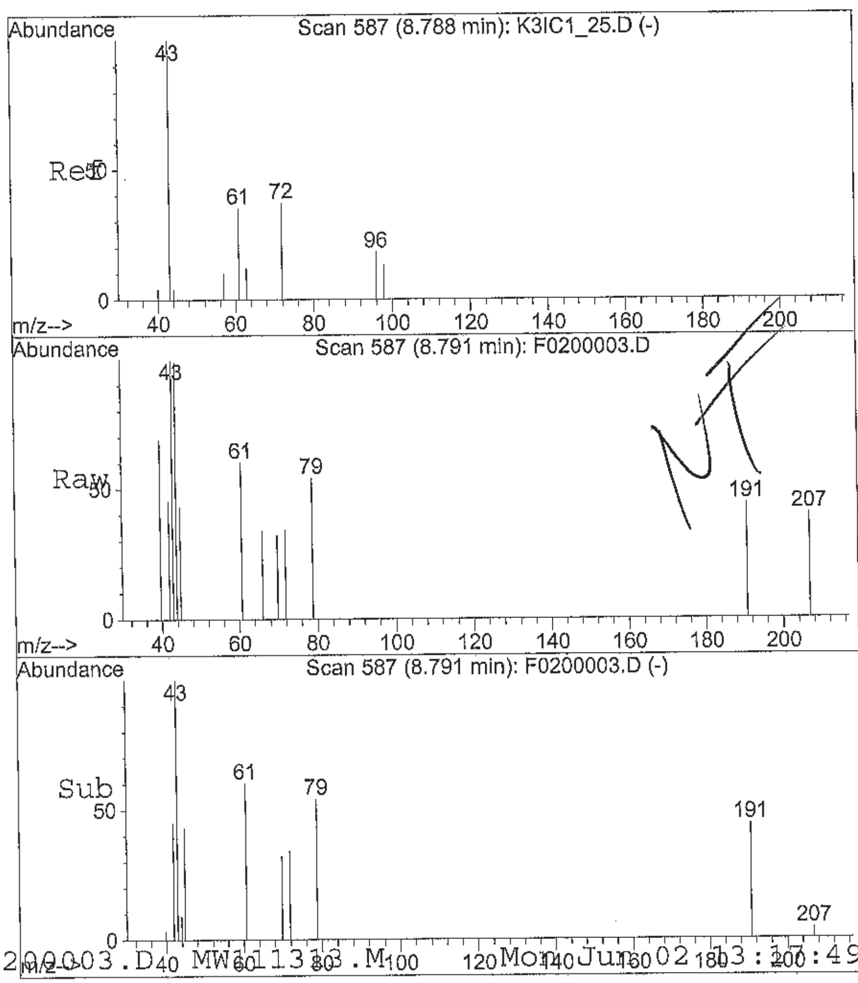
#20
2,2-Dichloropropane
Concen: 0.05 ug/L
RT: 8.88 min Scan# 597
Delta R.T. 0.05 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 77 Resp: 266

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

NT



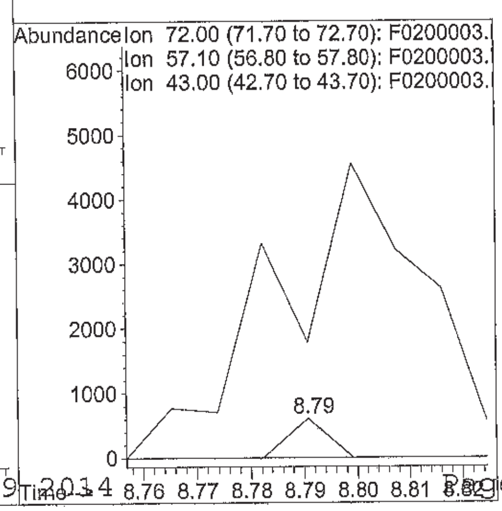


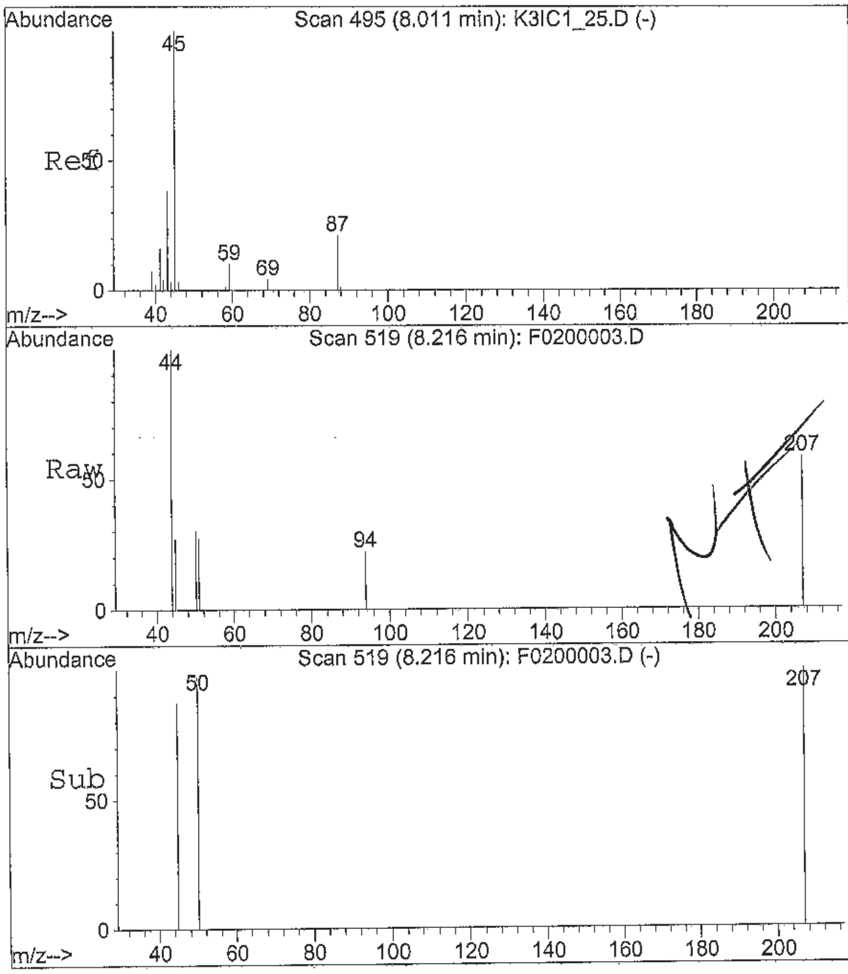
#21
(MEK) 2-Butanone
Concen: 0.79 ug/L
RT: 8.79 min Scan# 587
Delta R.T. 0.00 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 72 Resp: 309

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	3239.8	314.2	471.2#

NT

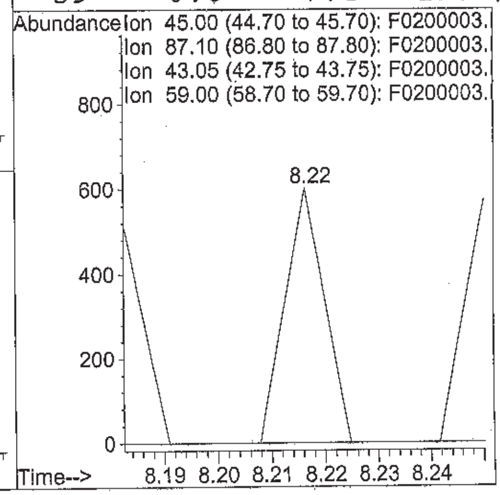


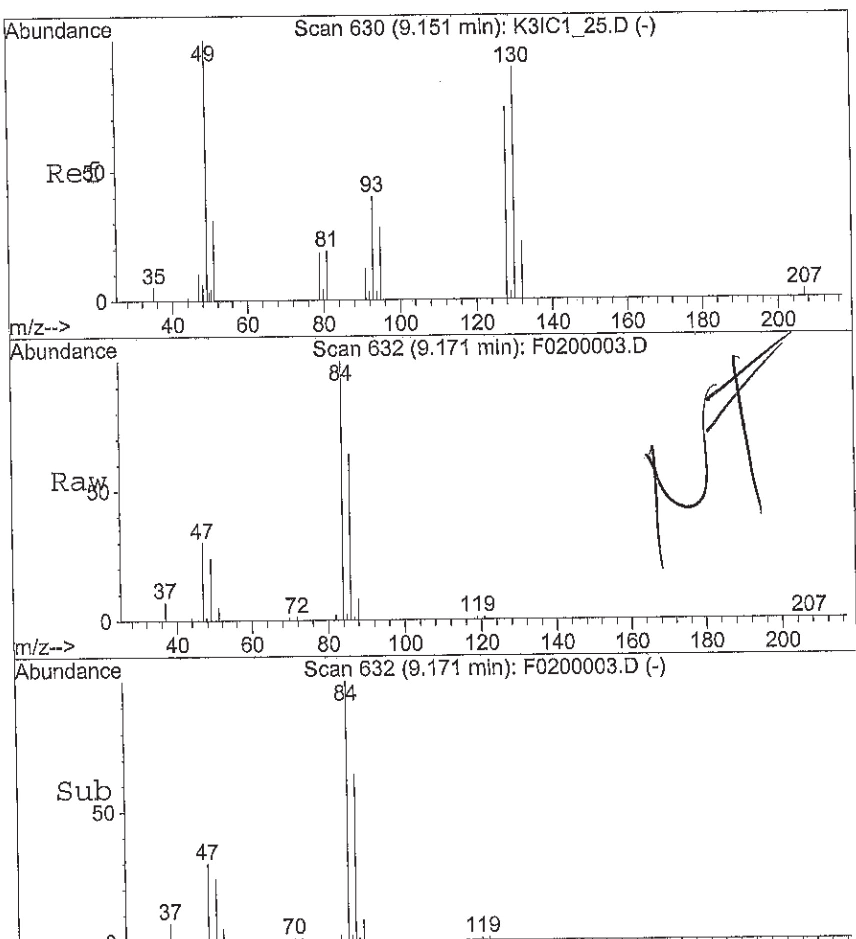


#22
(DIPE) Diisopropyl Ether
Concen: 0.03 ug/L
RT: 8.22 min Scan# 519
Delta R.T. 0.21 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 45 Resp: 305

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

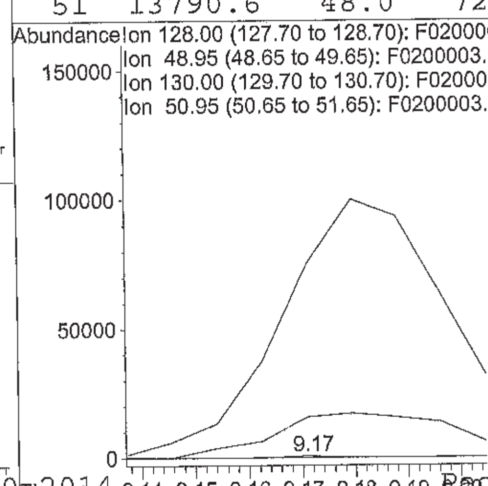


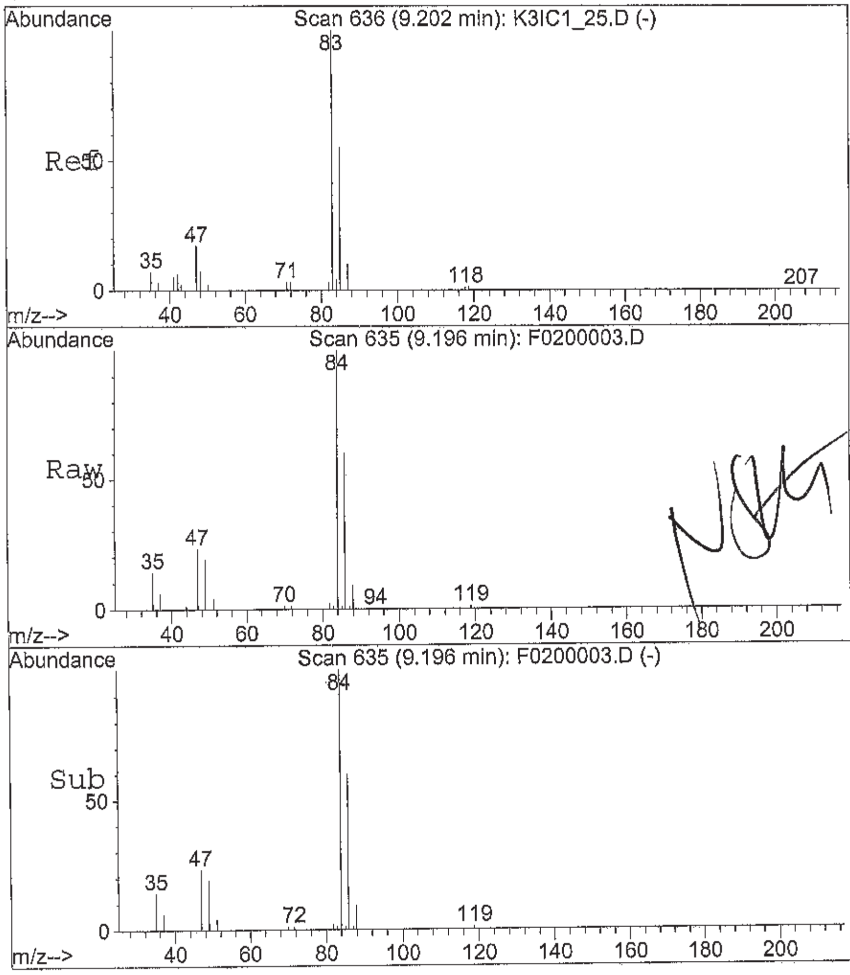


#23
Bromochloromethane
Concen: 0.17 ug/L
RT: 9.17 min Scan# 632
Delta R.T. 0.02 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:128 Resp: 310

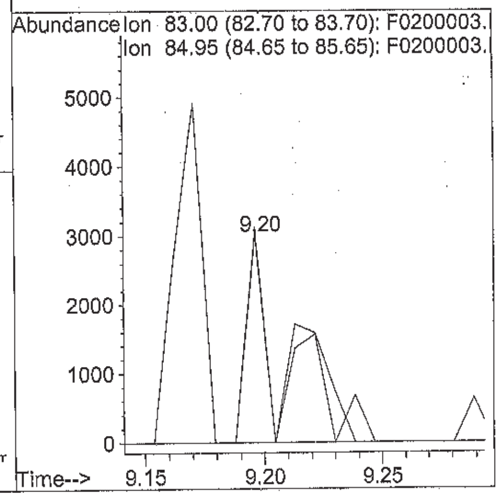
Ion	Ratio	Lower	Upper
128	100		
49	72744.5	117.4	176.0#
130	0.0	111.0	166.6#
51	13790.6	48.0	72.0#

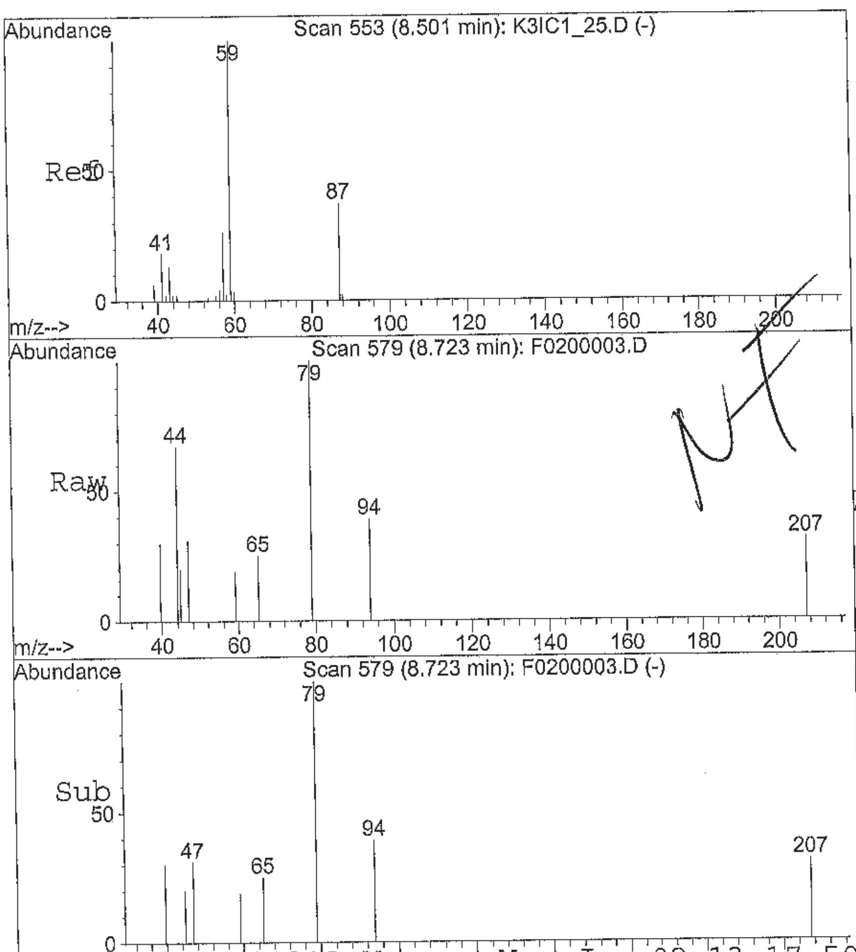




#24
Chloroform
Concen: 0.46 ug/L
RT: 9.20 min   Scan# 635
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014   12:51 pm

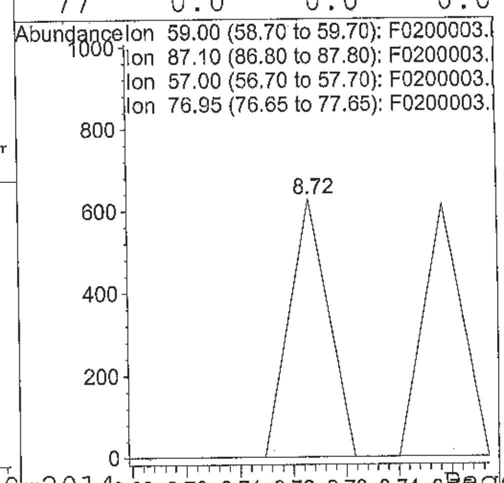
Tgt Ion: 83	Resp:		3340
Ion	Ratio	Lower	Upper
83	100		
85	47.3	51.8	77.6#

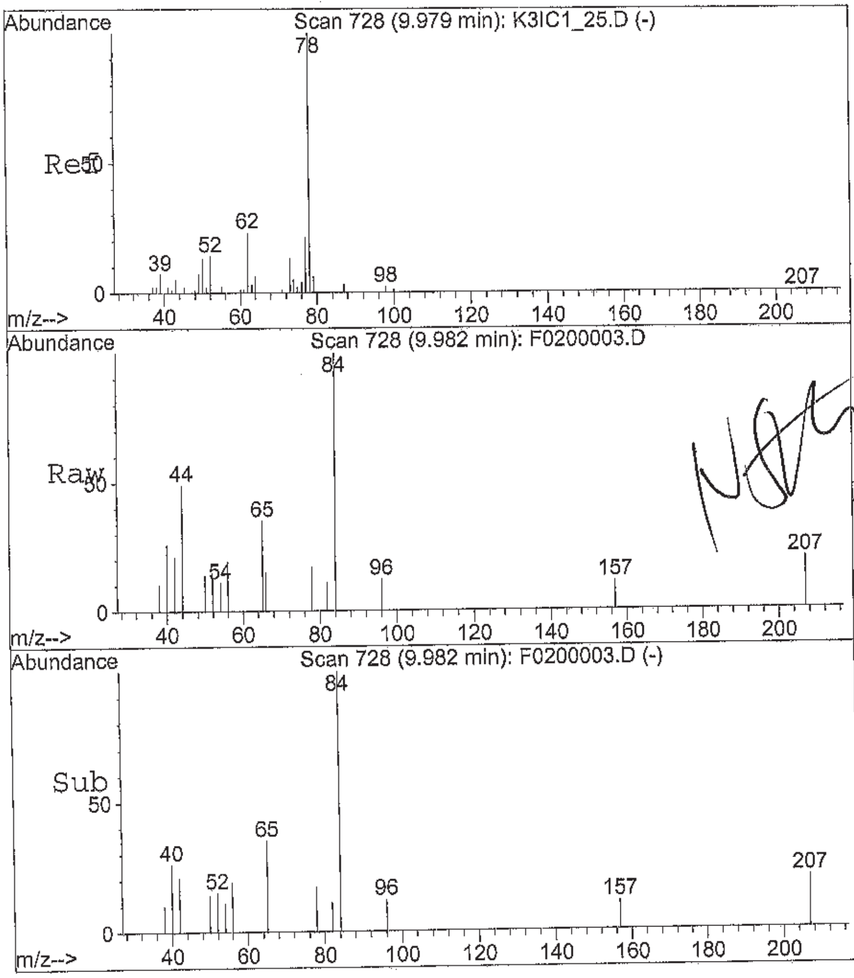




#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.03 ug/L
RT: 8.72 min   Scan# 579
Delta R.T.   0.22 min
Lab File: F0200003.D
Acq: 2 Jun 2014   12:51 pm

Tgt Ion: 59	Resp:		319
Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

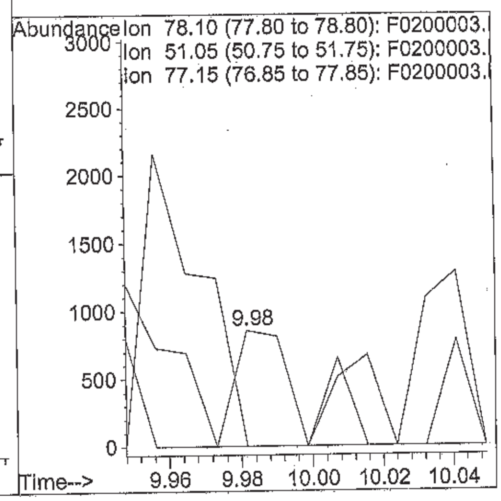


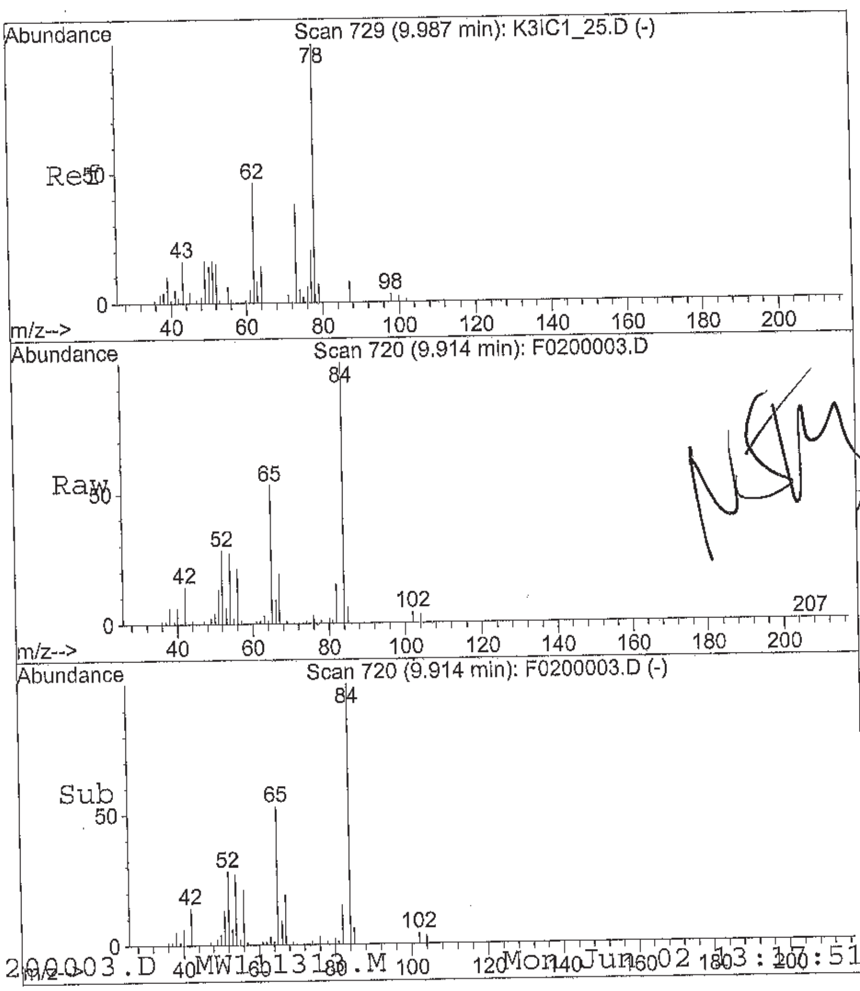


#31
Benzene
Concen: 0.09 ug/L
RT: 9.98 min Scan# 728
Delta R.T. 0.00 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 78 Resp: 1177

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

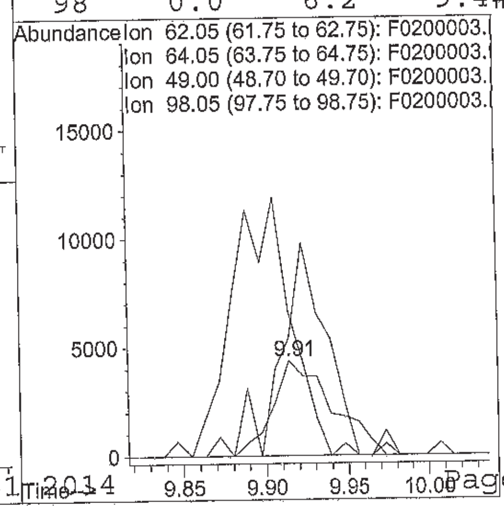


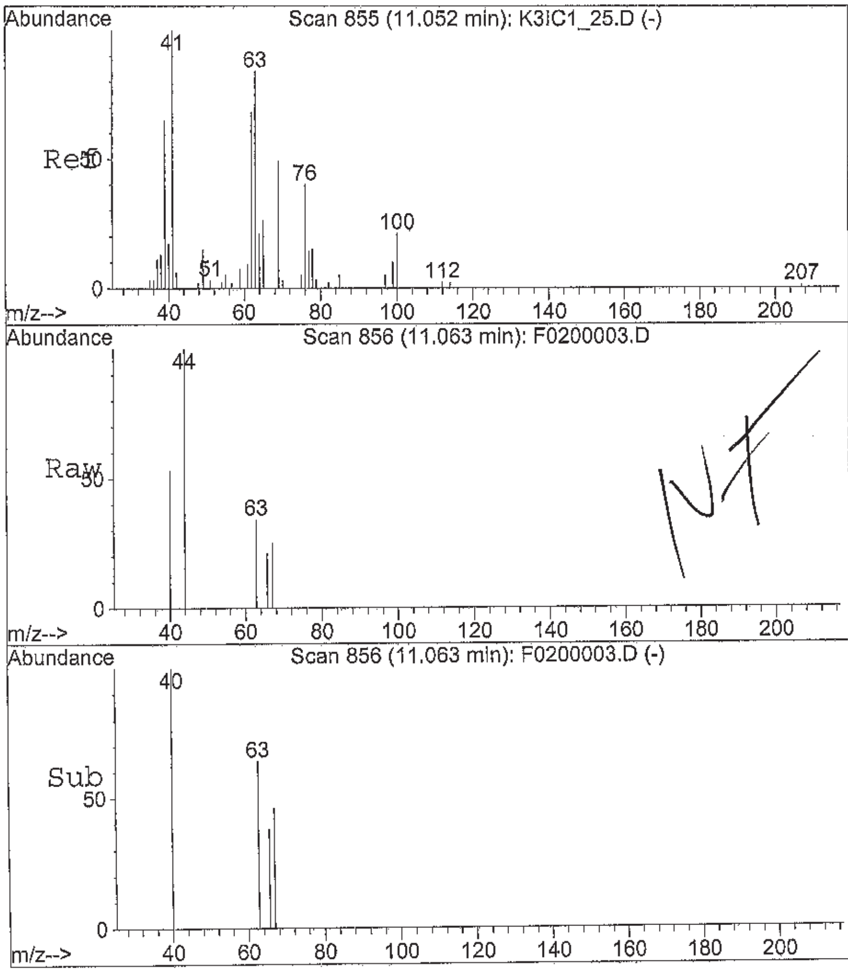


#32
1,2-Dichloroethane
Concen: 2.37 ug/L
RT: 9.91 min Scan# 720
Delta R.T. -0.07 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 62 Resp: 11006

Ion	Ratio	Lower	Upper
62	100		
64	172.3	28.0	42.0#
49	266.9	28.5	42.7#
98	0.0	6.2	9.4#

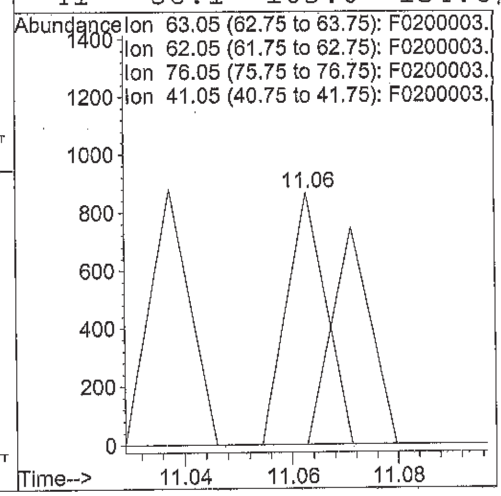


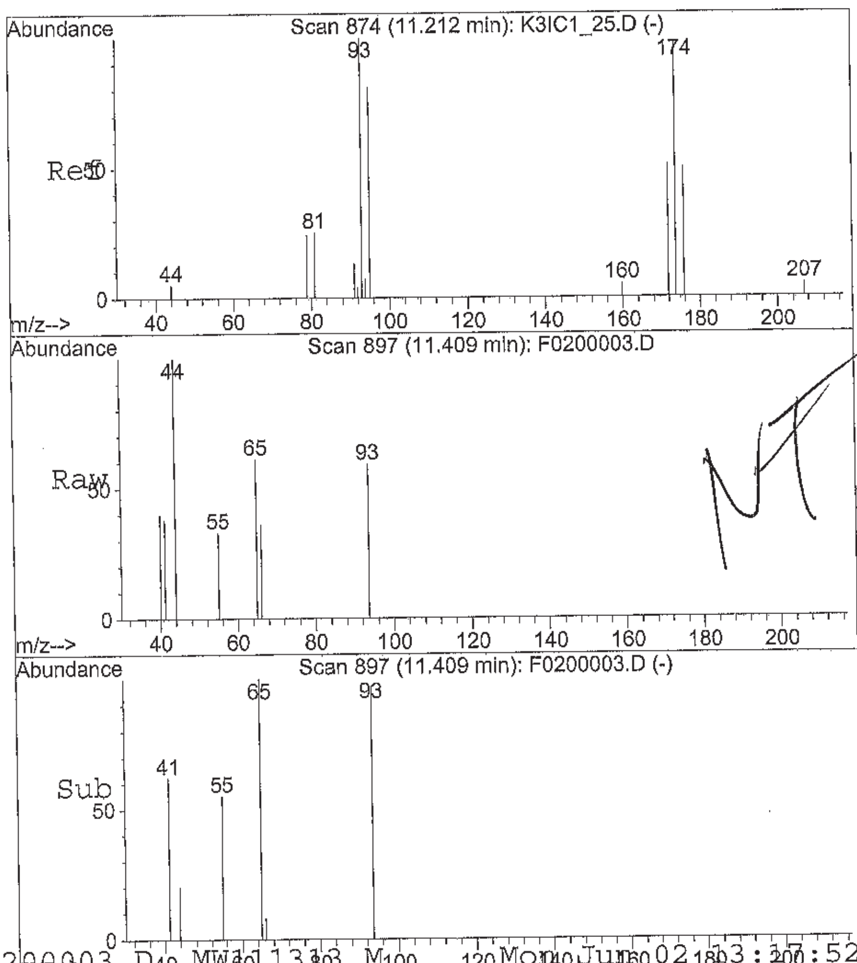


#34
1,2-Dichloropropane
Concen: 0.14 ug/L
RT: 11.06 min Scan# 856
Delta R.T. 0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 63 Resp: 439

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	86.1	103.0	154.6#

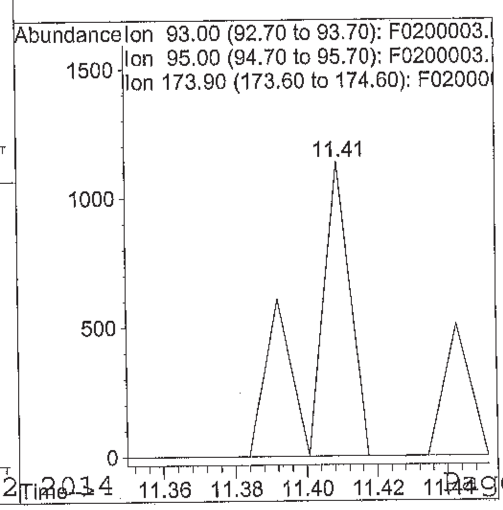


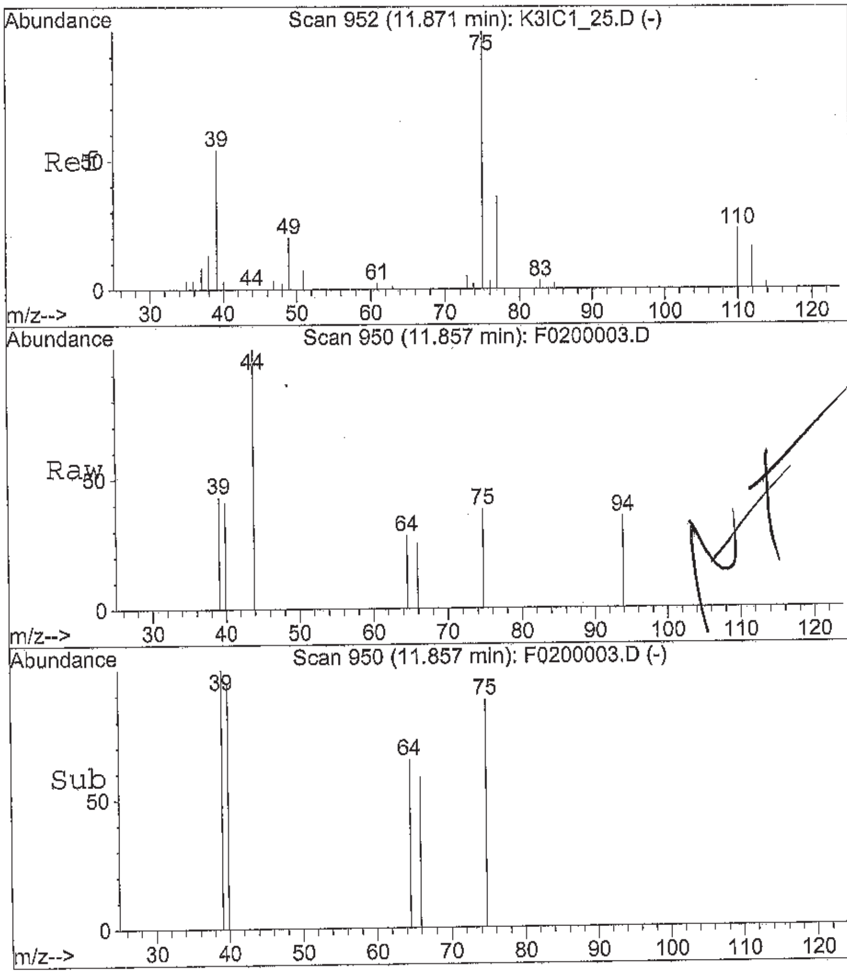


#35
Dibromomethane
Concen: 0.36 ug/L
RT: 11.41 min Scan# 897
Delta R.T. 0.20 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 93 Resp: 884

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

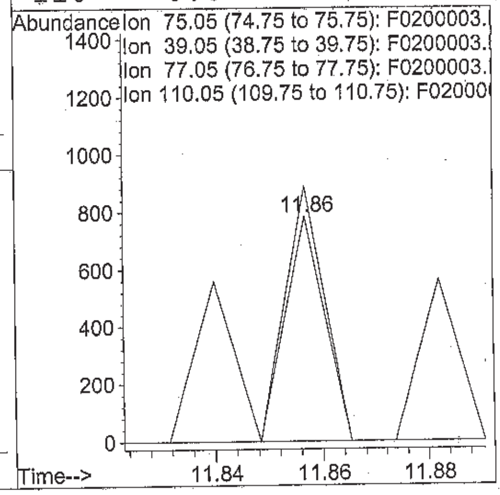


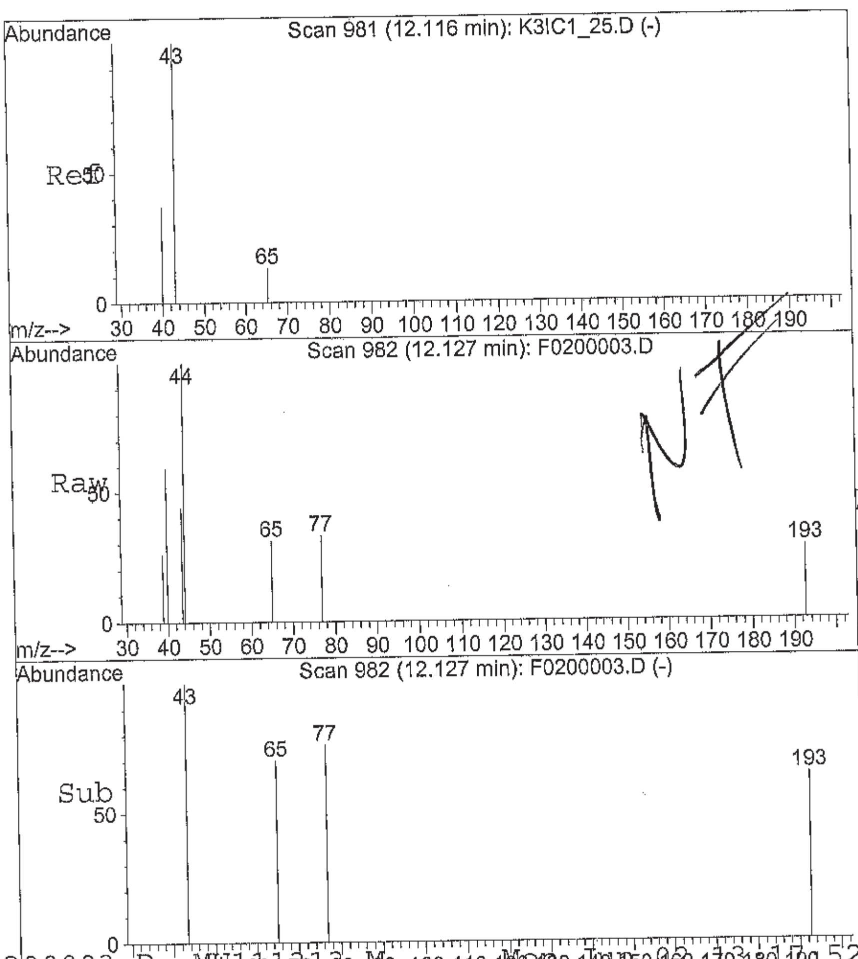


#37
cis-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 11.86 min Scan# 950
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 75 Resp: 396

Ion	Ratio	Lower	Upper
75	100		
39	185.1	40.7	61.1#
77	0.0	28.8	43.2#
110	0.0	18.1	27.1#

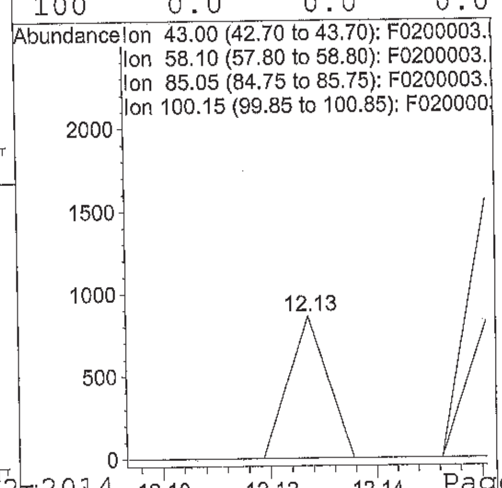


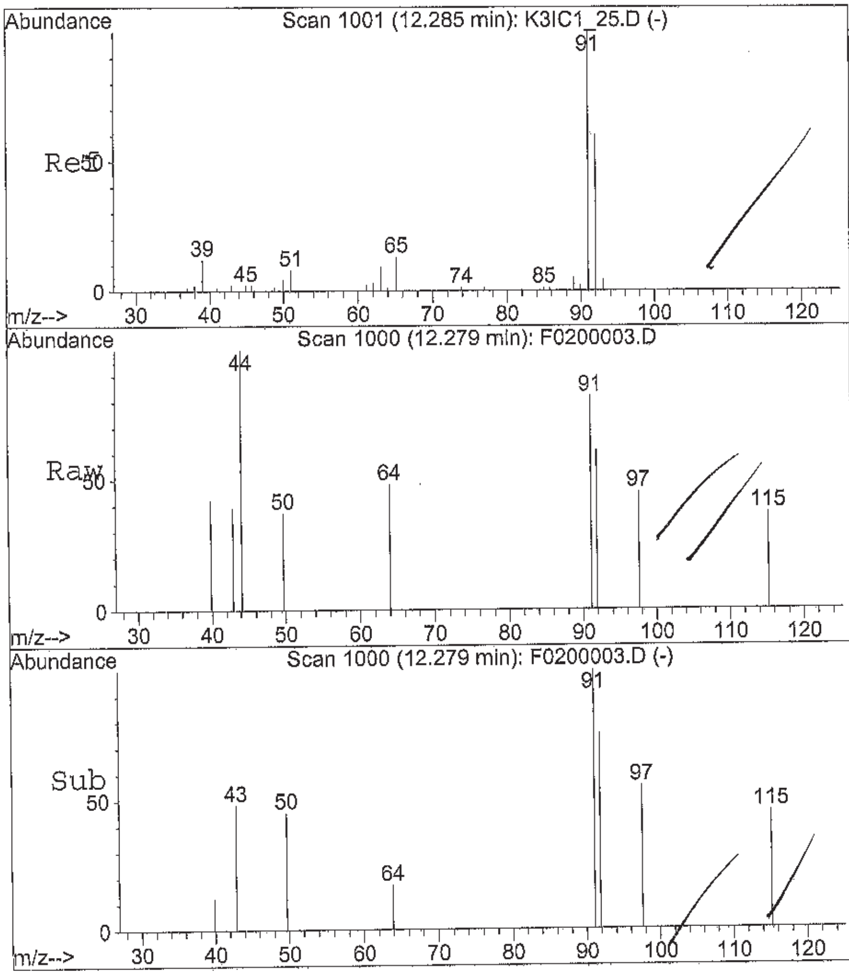


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.17 ug/L
RT: 12.13 min Scan# 982
Delta R.T. 0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 43 Resp: 435

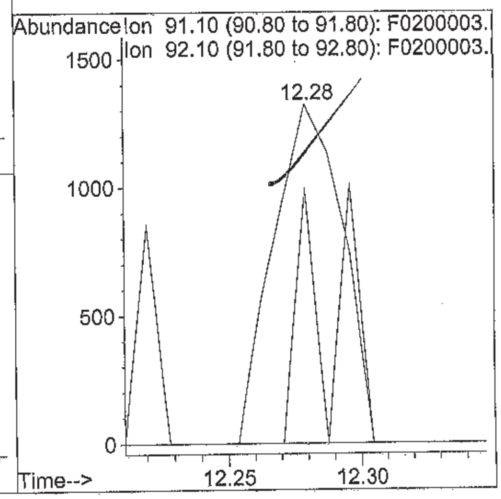
Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

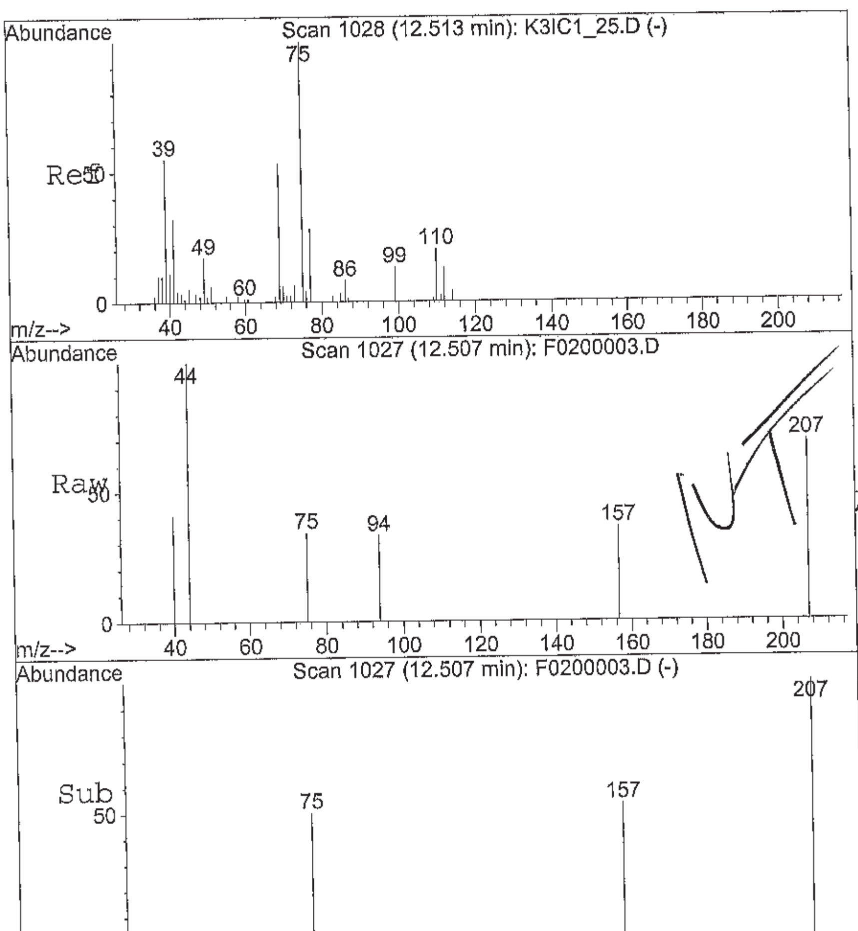




#41
Toluene
Concen: 0.14 ug/L
RT: 12.28 min   Scan# 1000
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

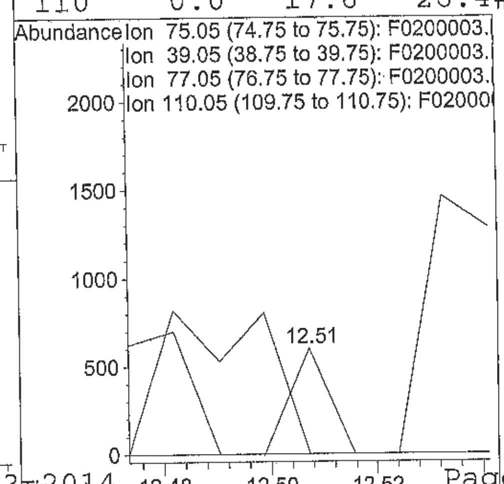
Tgt Ion: 91	Resp:		2379
Ion	Ratio	Lower	Upper
91	100		
92	42.8	47.4	71.0#

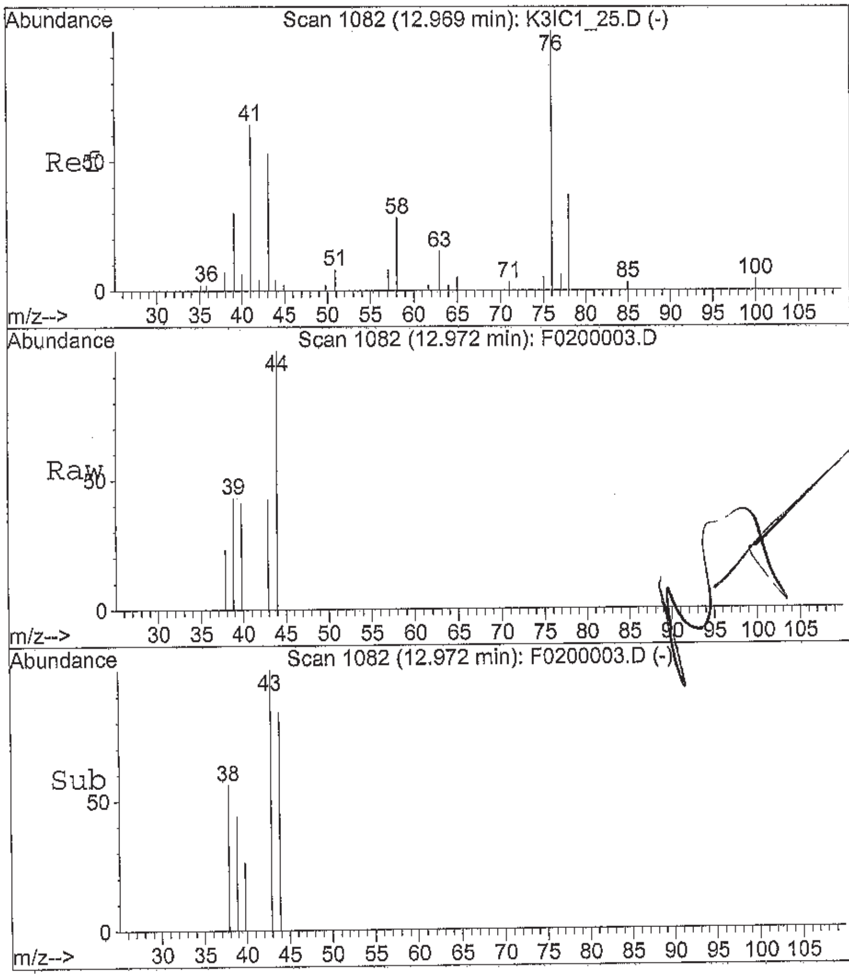




#42
trans-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 12.51 min   Scan# 1027
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 75	Resp:		305
Ion	Ratio	Lower	Upper
75	100		
39	0.0	53.6	80.4#
77	0.0	25.4	38.2#
110	0.0	17.6	26.4#

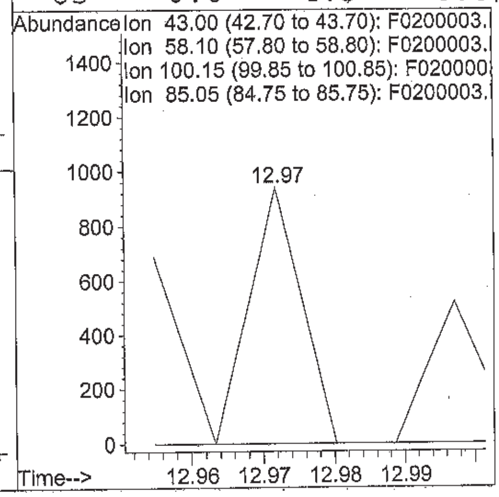


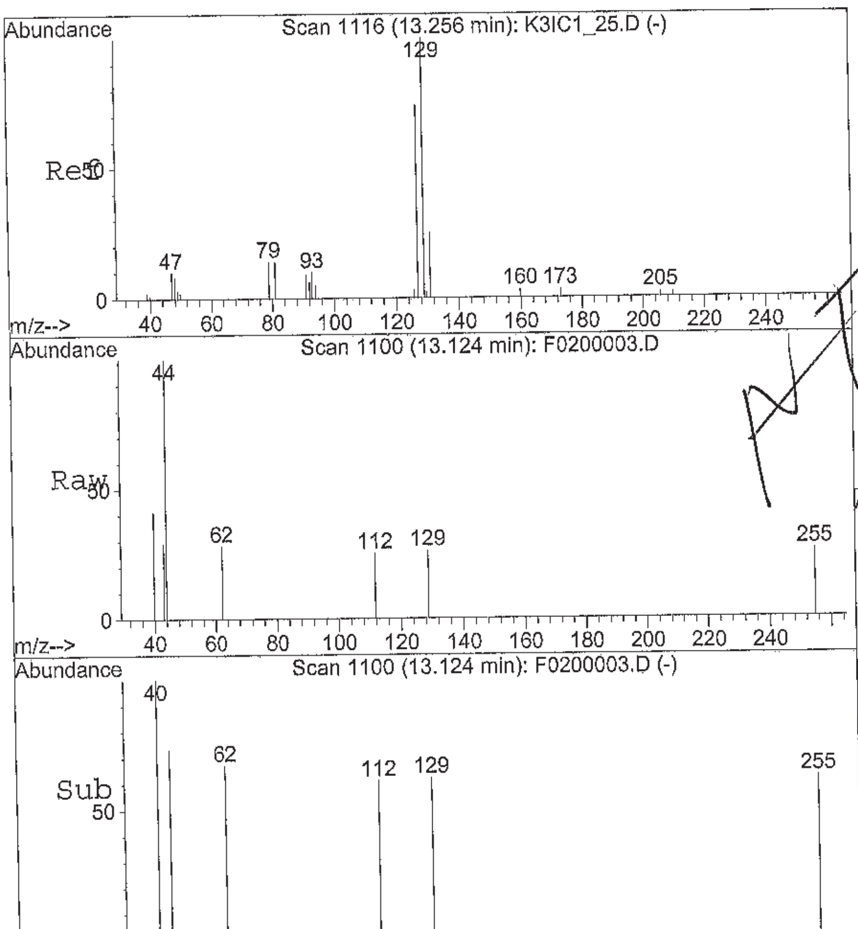


#46
2-Hexanone
Concen: 0.17 ug/L
RT: 12.97 min   Scan# 1082
Delta R.T.   0.00 min
Lab File: F0200003.D
Acq: 2 Jun 2014   12:51 pm

Tgt Ion: 43 Resp: 476

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

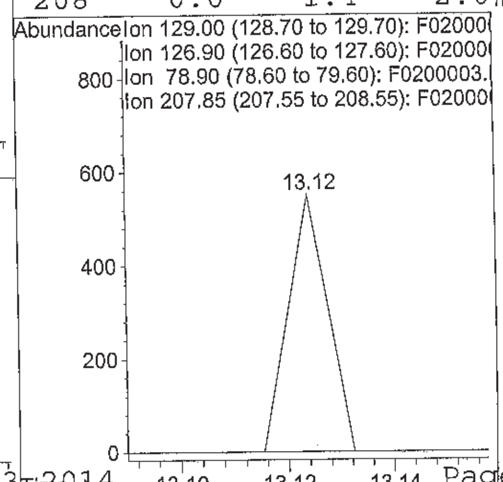


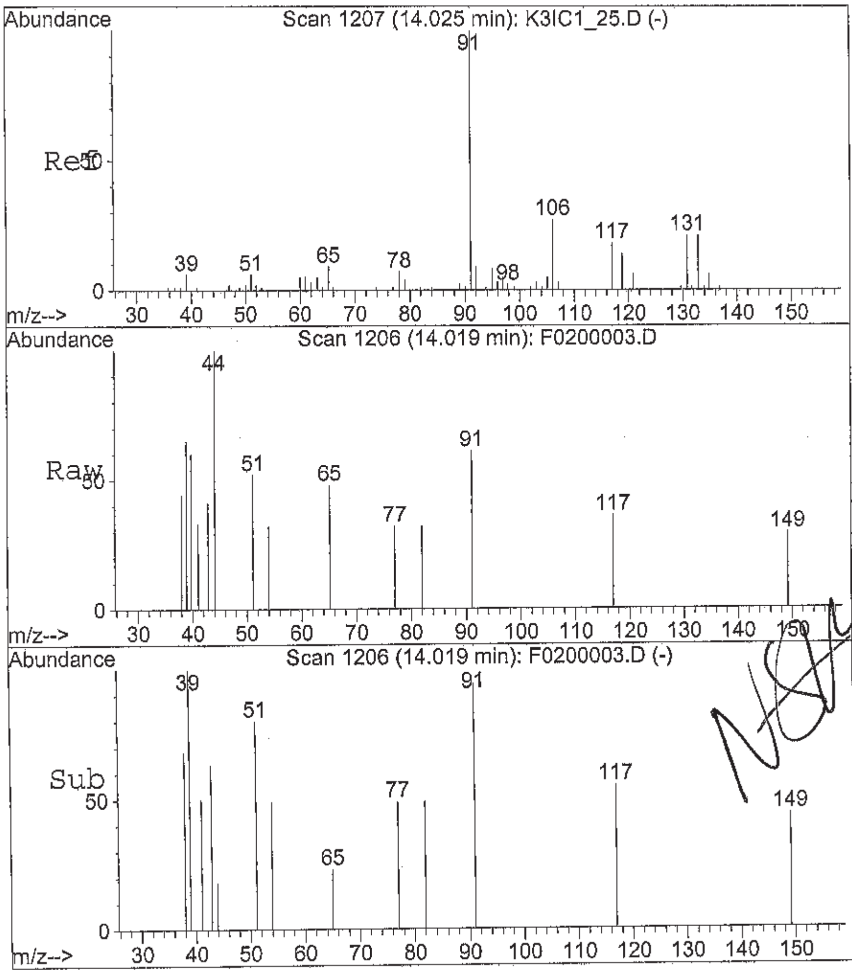


#47
Dibromochloromethane
Concen: 0.06 ug/L
RT: 13.12 min   Scan# 1100
Delta R.T.   -0.13 min
Lab File: F0200003.D
Acq: 2 Jun 2014   12:51 pm

Tgt Ion:129 Resp: 280

Ion	Ratio	Lower	Upper
129	100		
127	0.0	61.6	92.4#
79	0.0	10.7	16.1#
208	0.0	1.4	2.0#

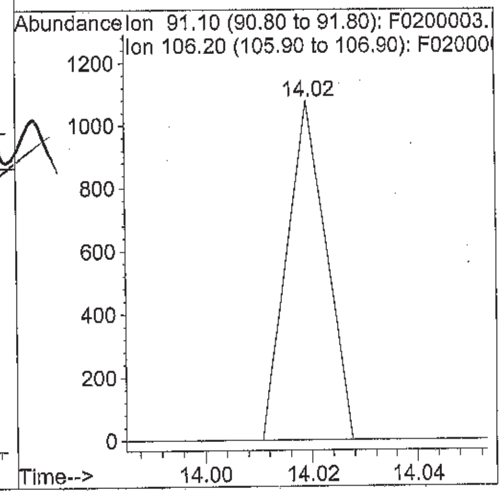


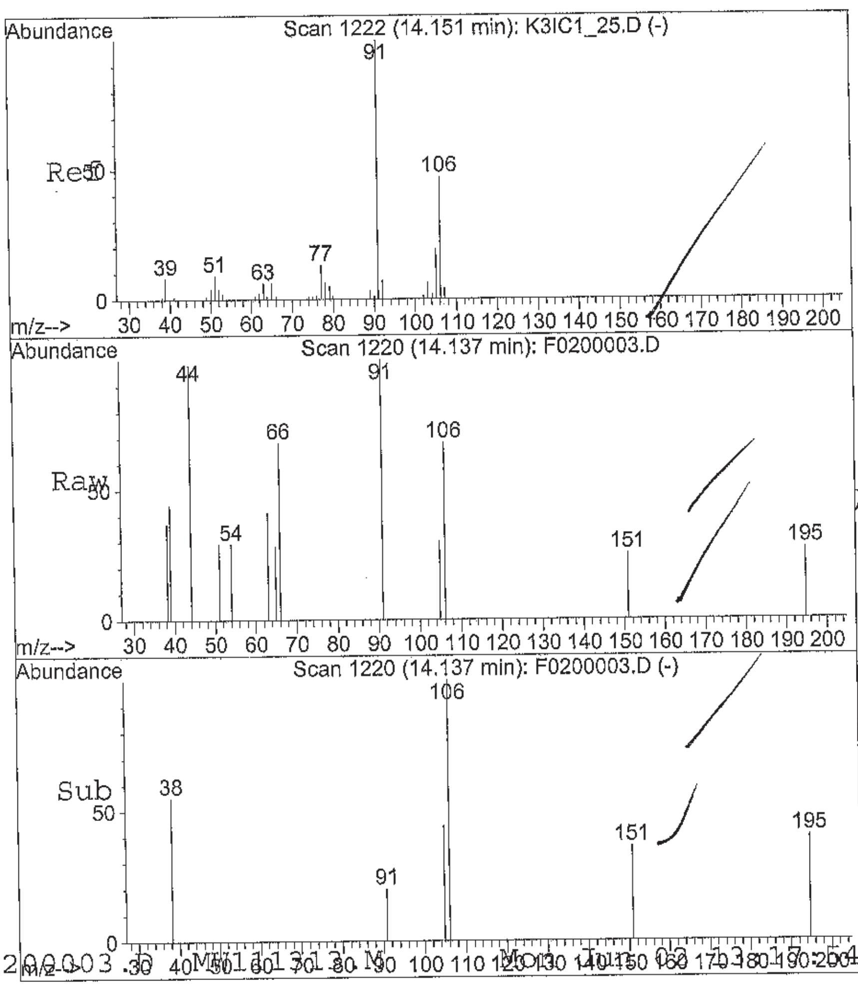


#51
Ethylbenzene
Concen: 0.03 ug/L
RT: 14.02 min Scan# 1206
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 91 Resp: 546

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

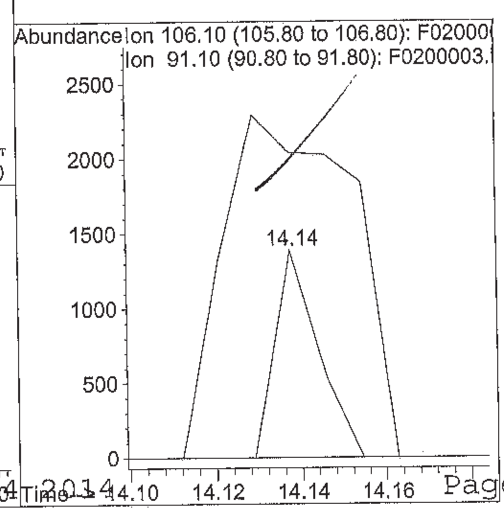


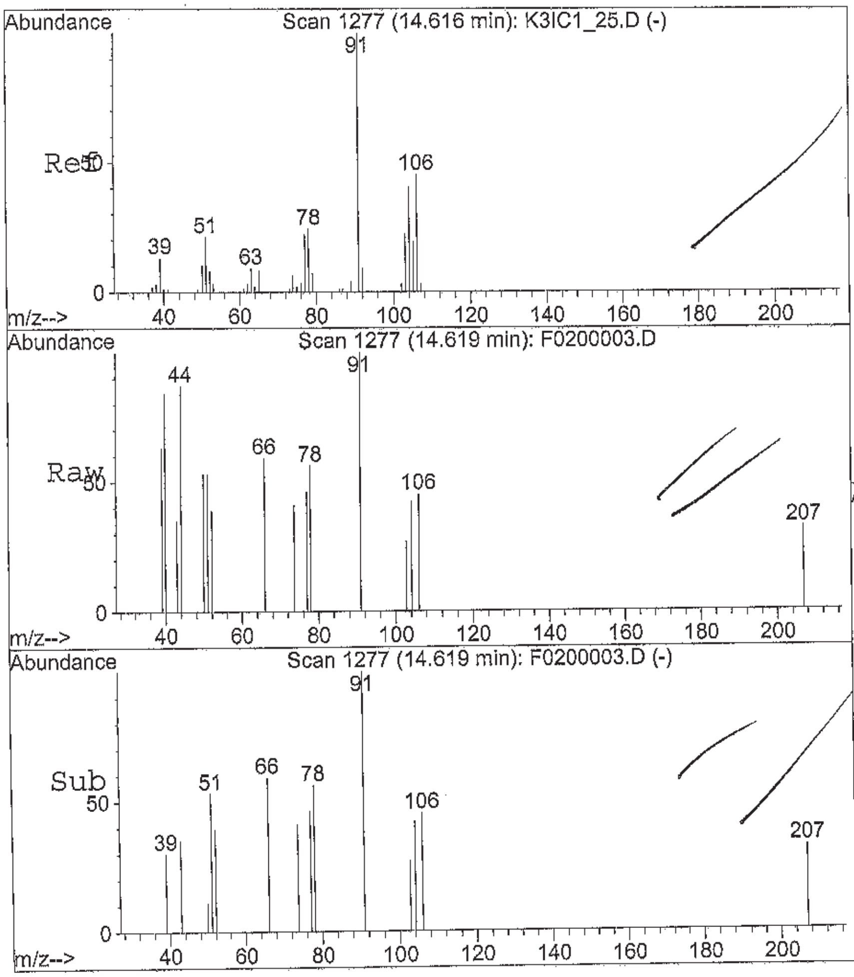


#52
m,p-Xylenes
Concen: 0.14 ug/L
RT: 14.14 min Scan# 1220
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:106 Resp: 974

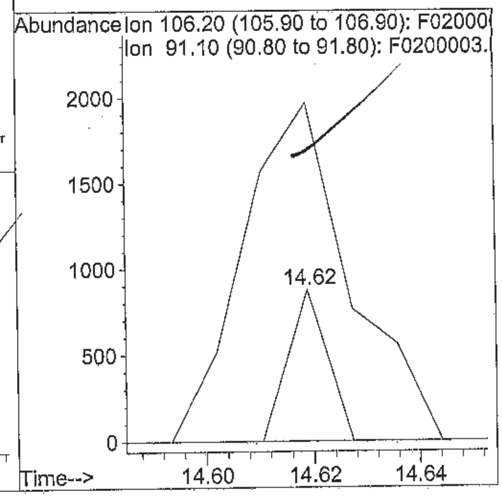
Ion	Ratio	Lower	Upper
106	100		
91	495.4	177.1	265.7#

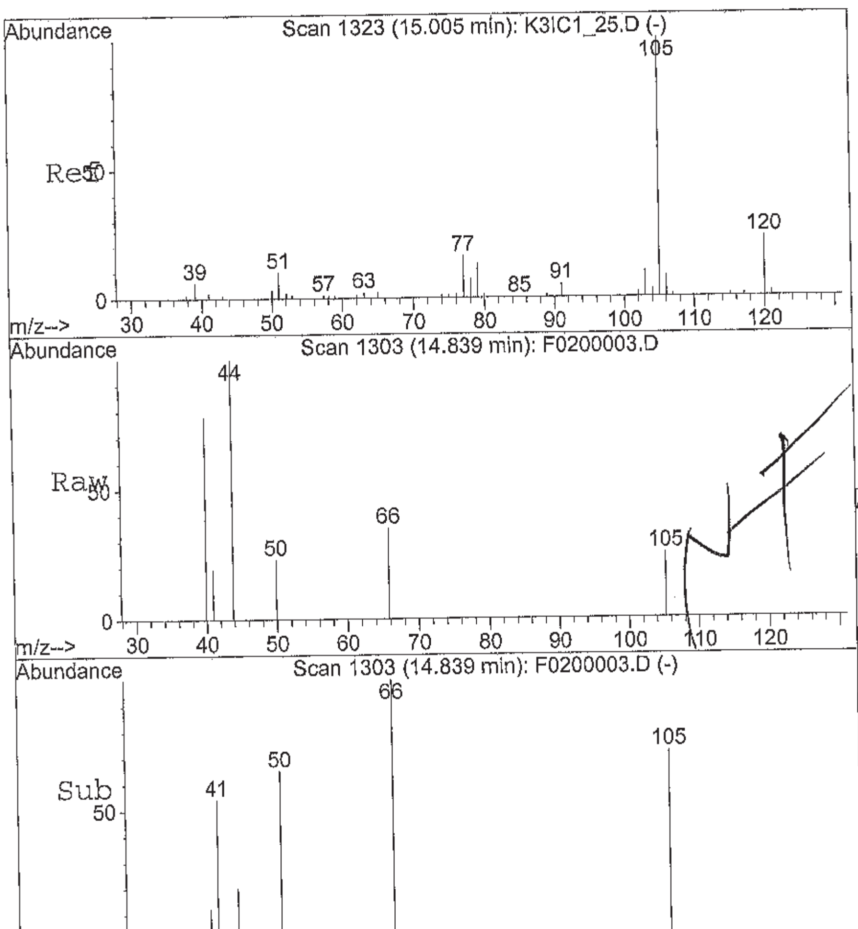




#53
o-Xylene
Concen: 0.06 ug/L
RT: 14.62 min Scan# 1277
Delta R.T. 0.00 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

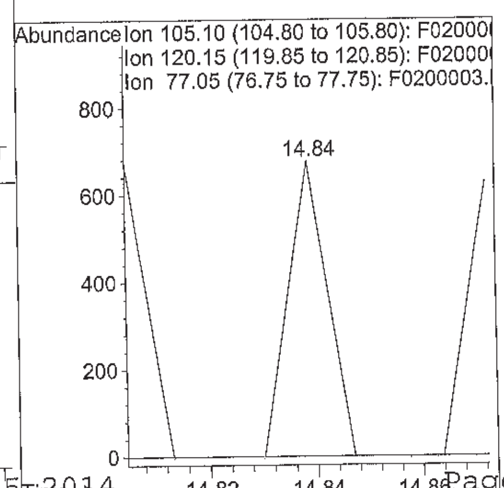
Tgt Ion:106	Resp:		444
Ion	Ratio	Lower	Upper
106	100		
91	614.0	179.0	268.6#

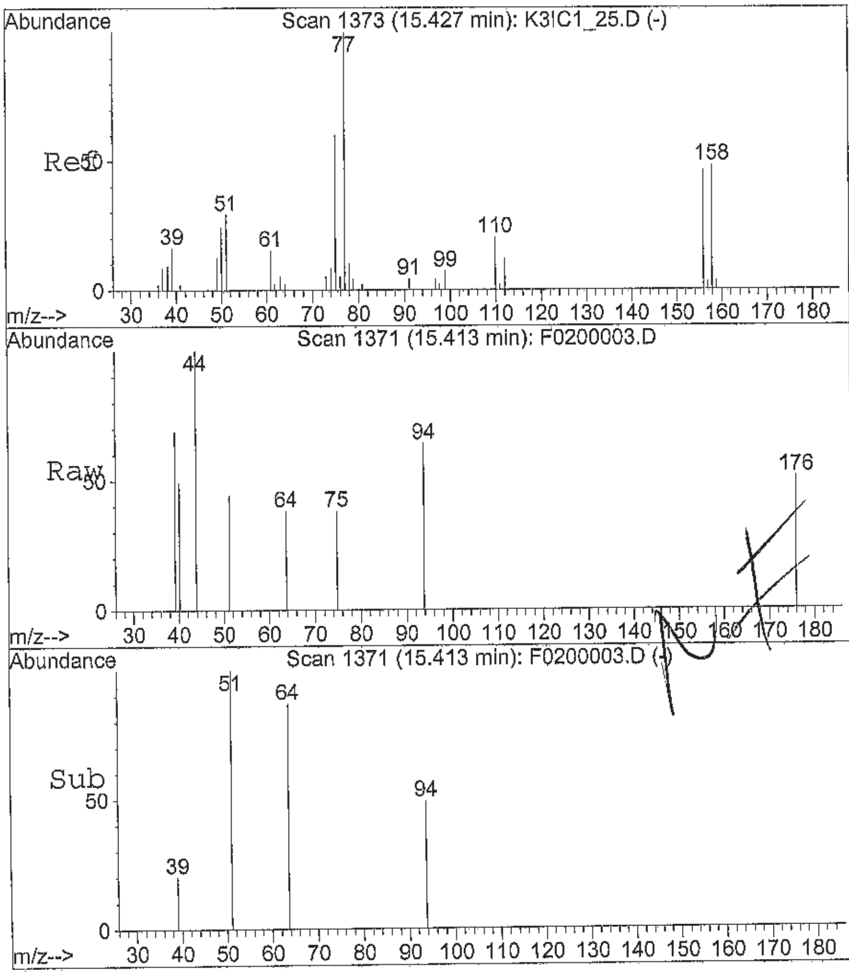




#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 14.84 min Scan# 1303
Delta R.T. -0.17 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:105	Resp:		343
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

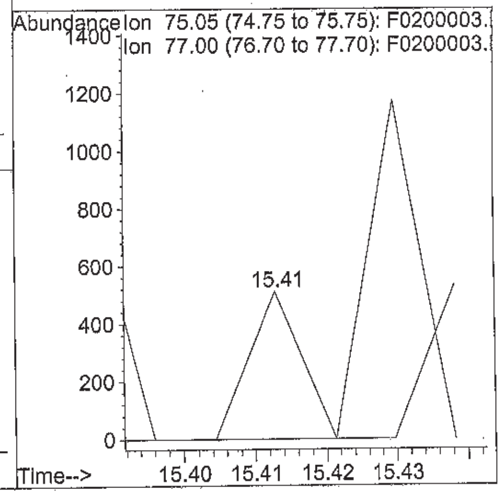


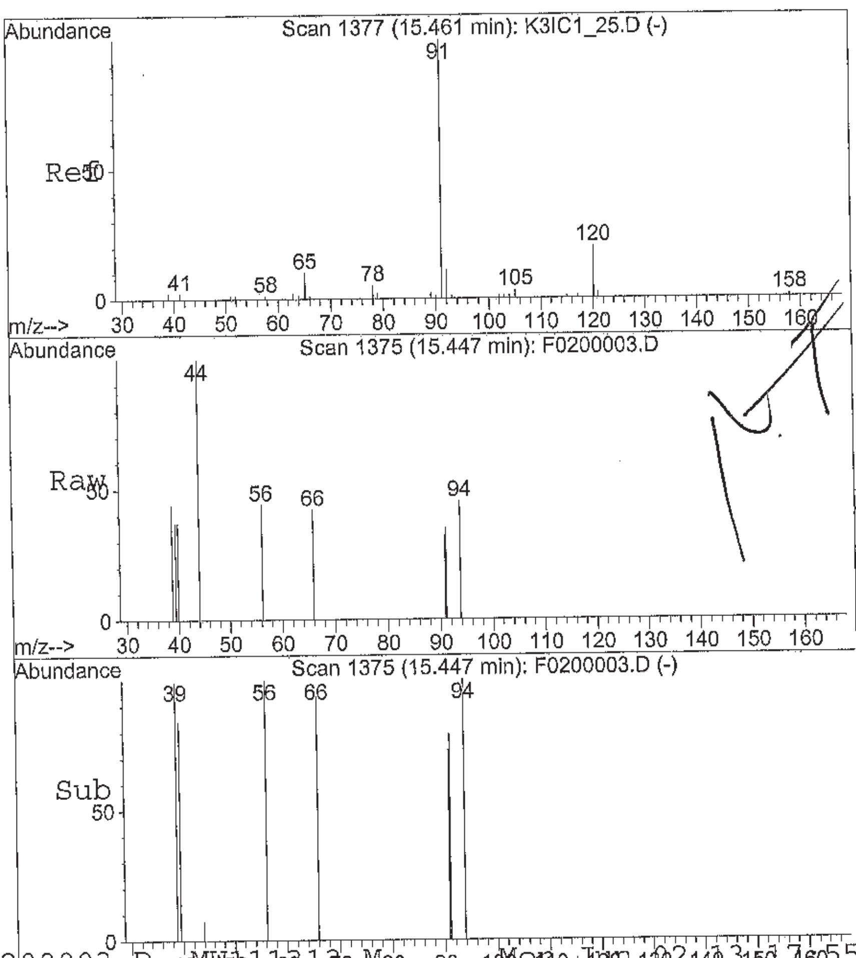


#57
1,2,3-Trichloropropane
Concen: 0.05 ug/L
RT: 15.41 min   Scan# 1371
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014   12:51 pm

Tgt Ion: 75 Resp: 259

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

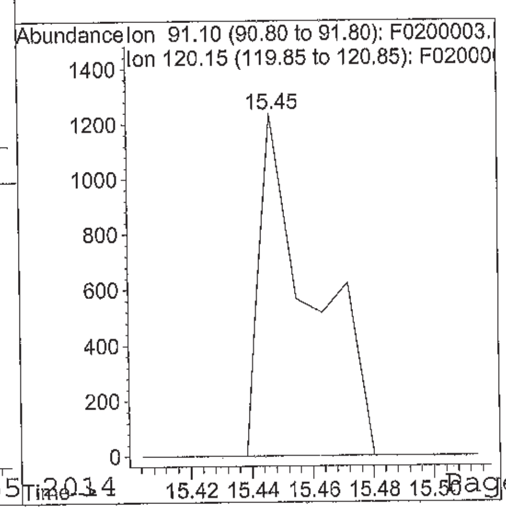


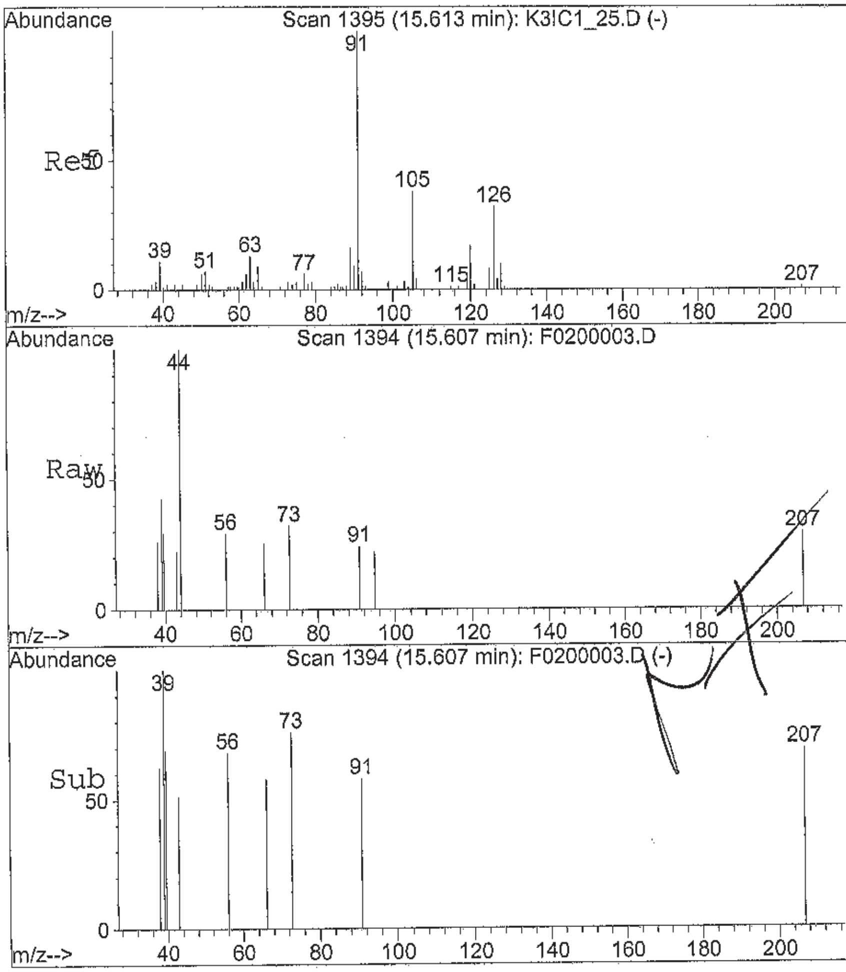


#62
n-Propylbenzene
Concen: 0.06 ug/L
RT: 15.45 min   Scan# 1375
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014   12:51 pm

Tgt Ion: 91 Resp: 1489

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

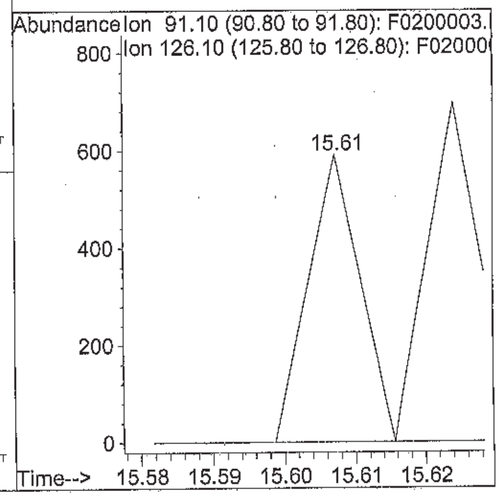


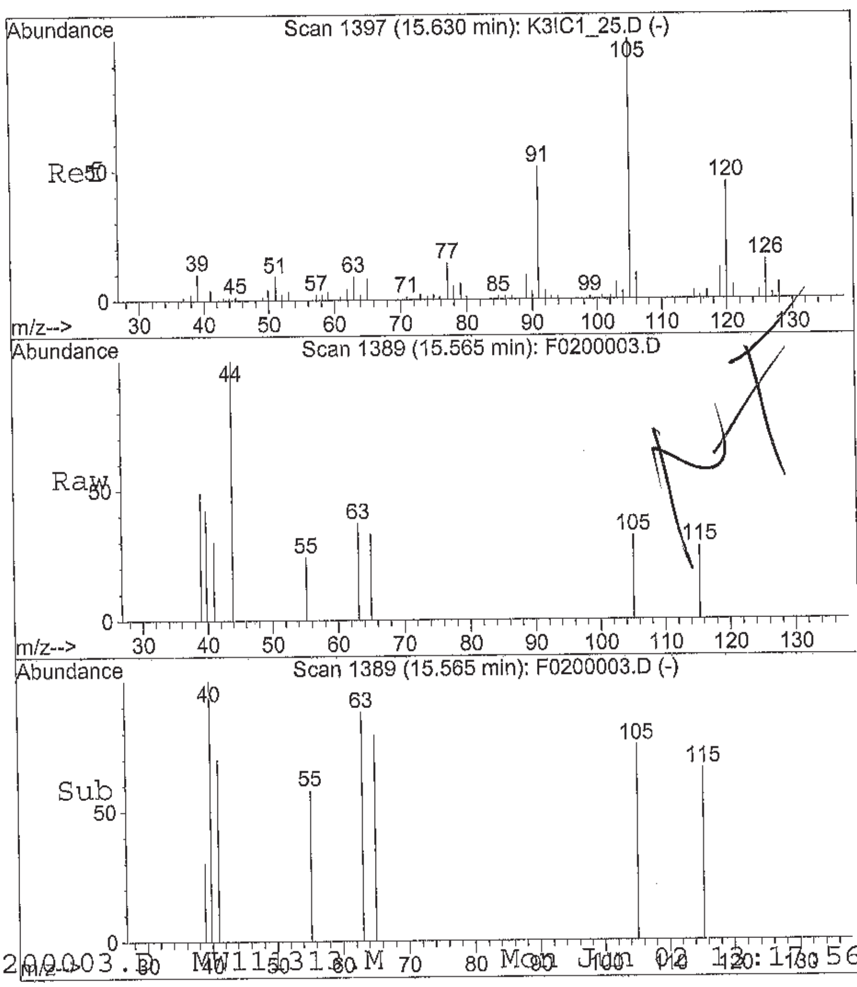


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.61 min Scan# 1394
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 91 Resp: 299

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

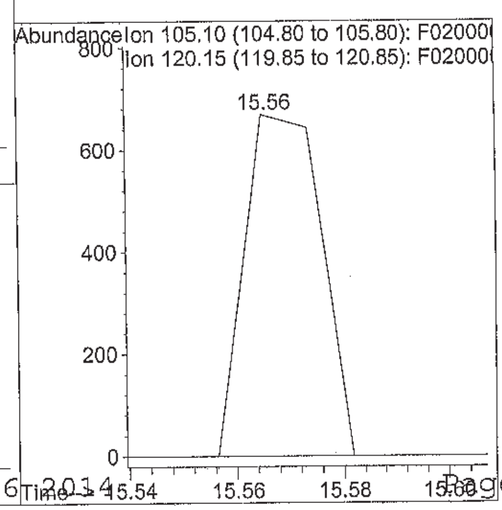


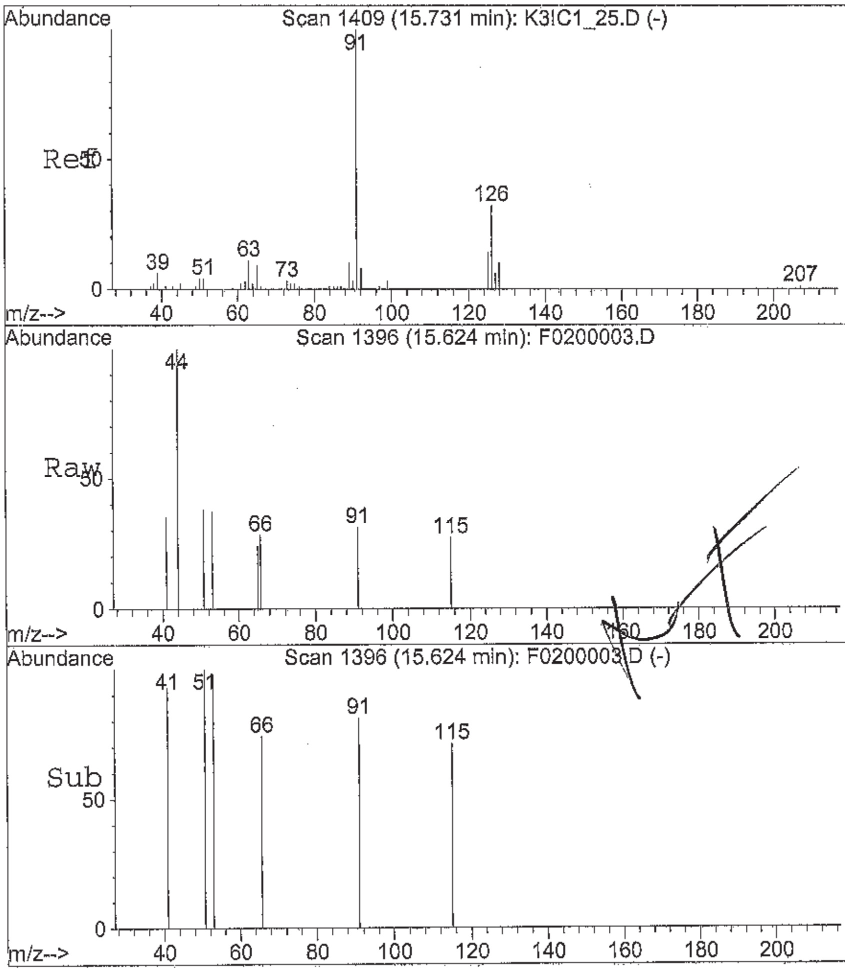


#64
1,3,5-Trimethylbenzene
Concen: 0.04 ug/L
RT: 15.56 min Scan# 1389
Delta R.T. -0.06 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:105 Resp: 665

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

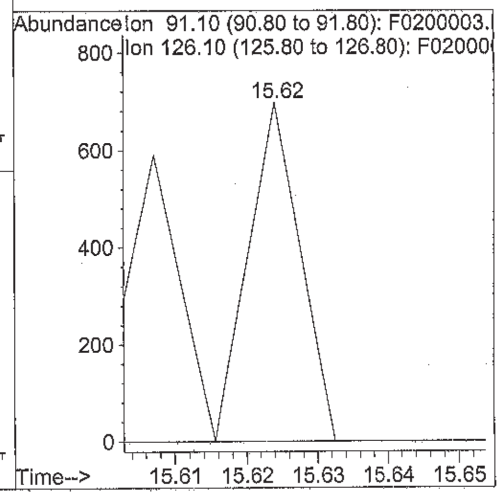


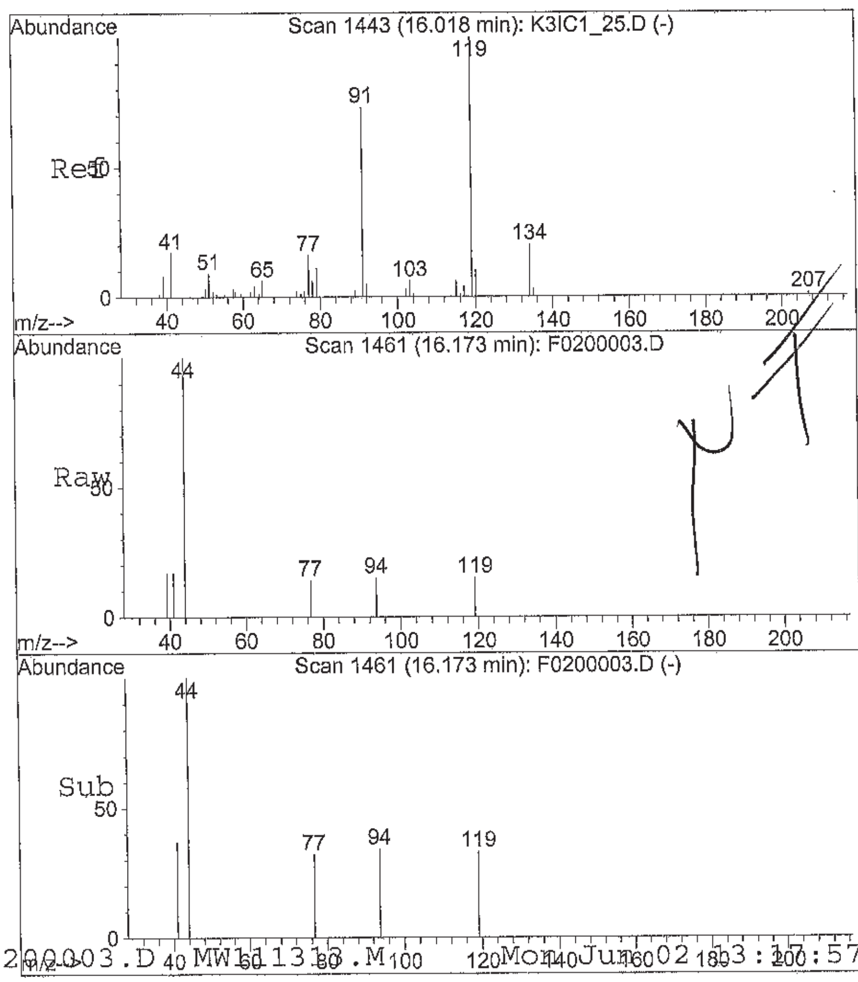


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.11 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 91 Resp: 353

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

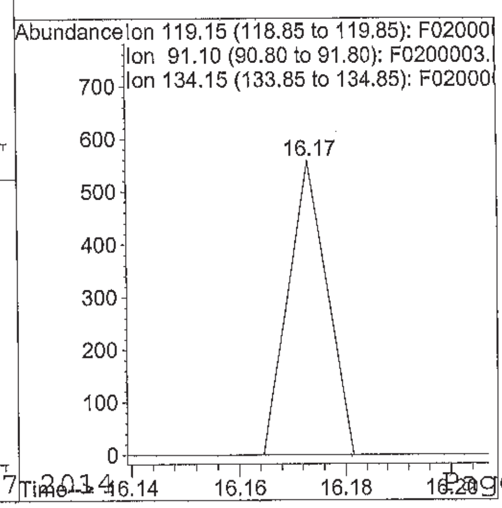


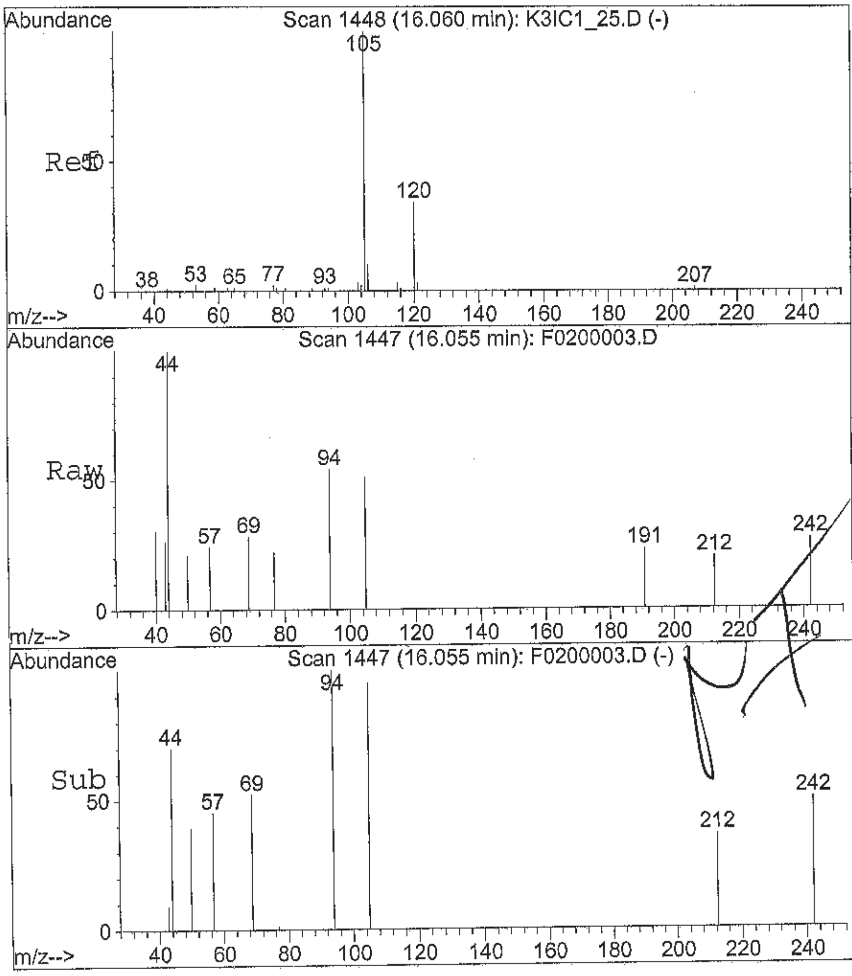


#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.17 min Scan# 1461
Delta R.T. 0.15 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:119 Resp: 283

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

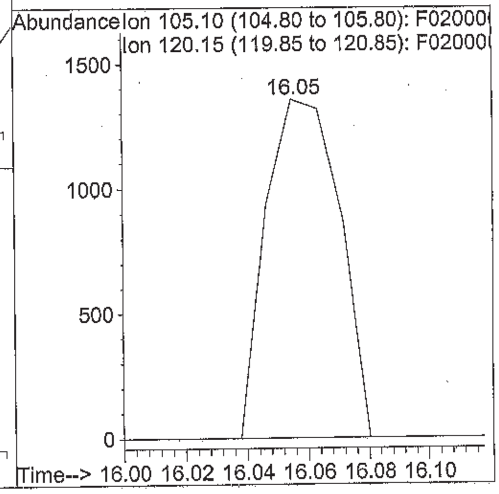


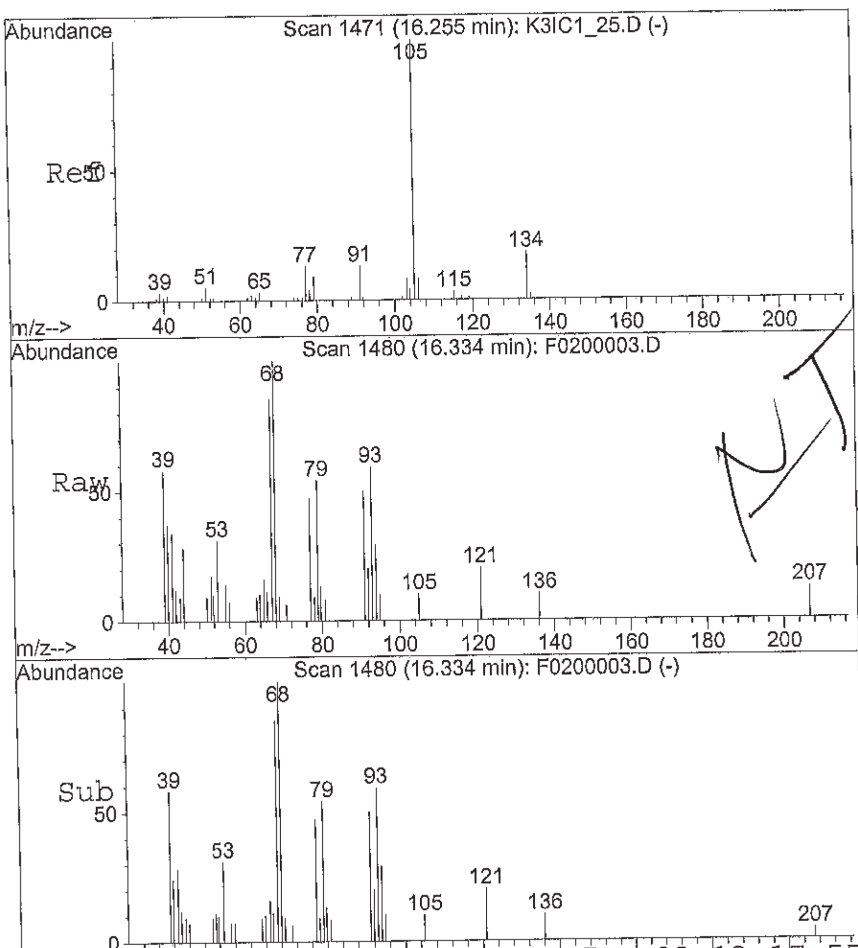


#67
1,2,4-Trimethylbenzene
Concen: 0.14 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:105 Resp: 2267

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

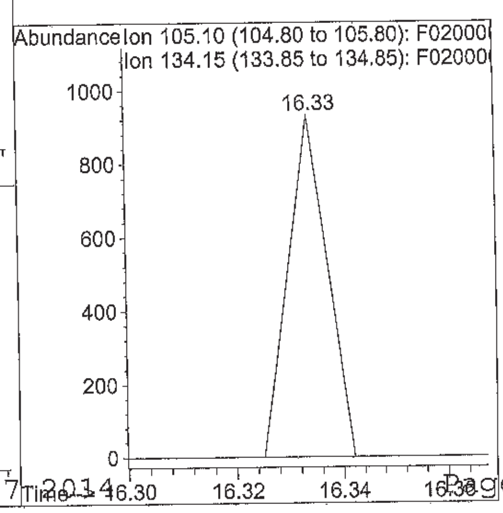


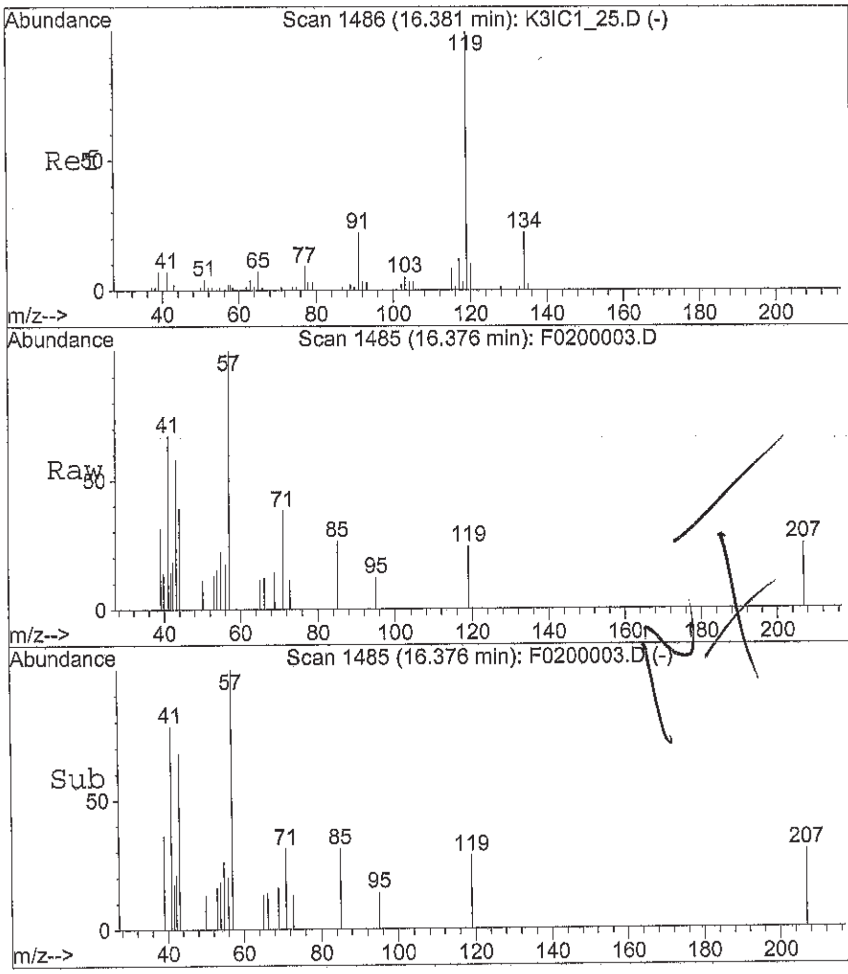


#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:105 Resp: 472

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

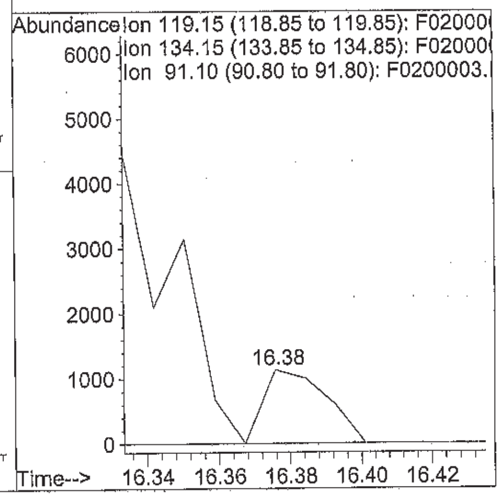


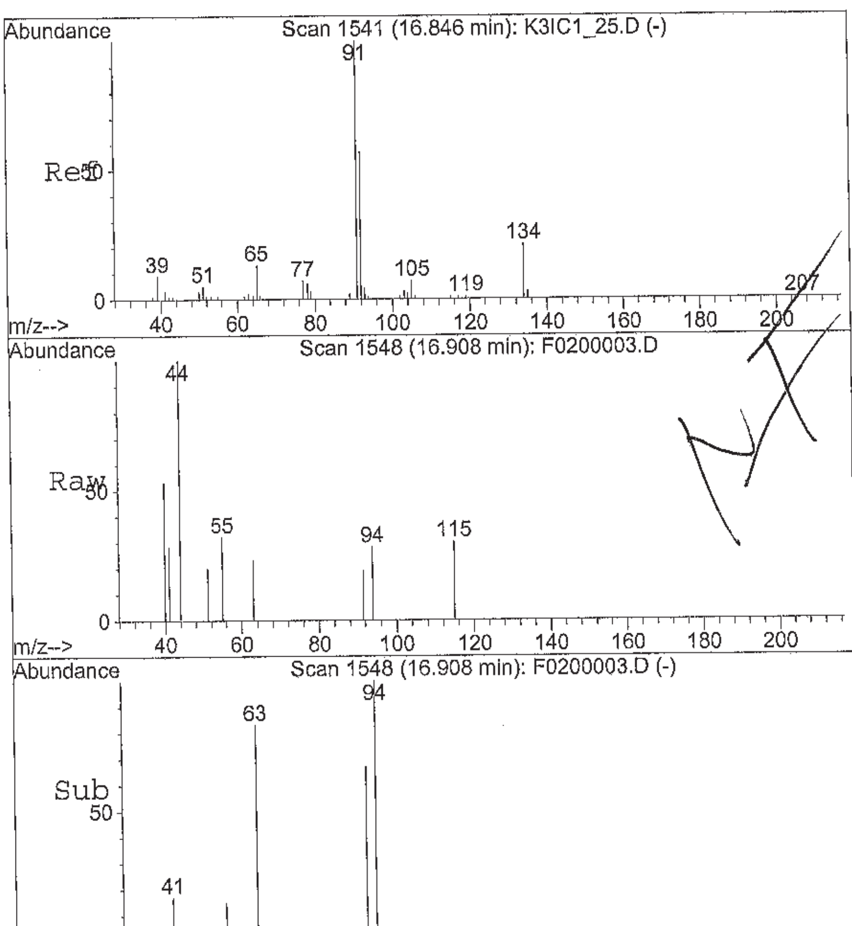


#69
p-Isopropyltoluene
Concen: 0.08 ug/L
RT: 16.38 min Scan# 1485
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:119 Resp: 1382

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

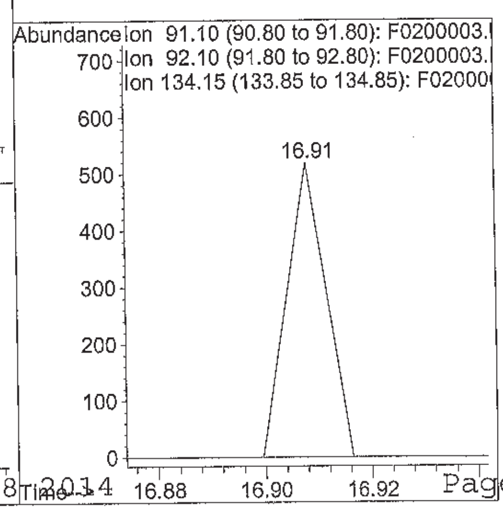


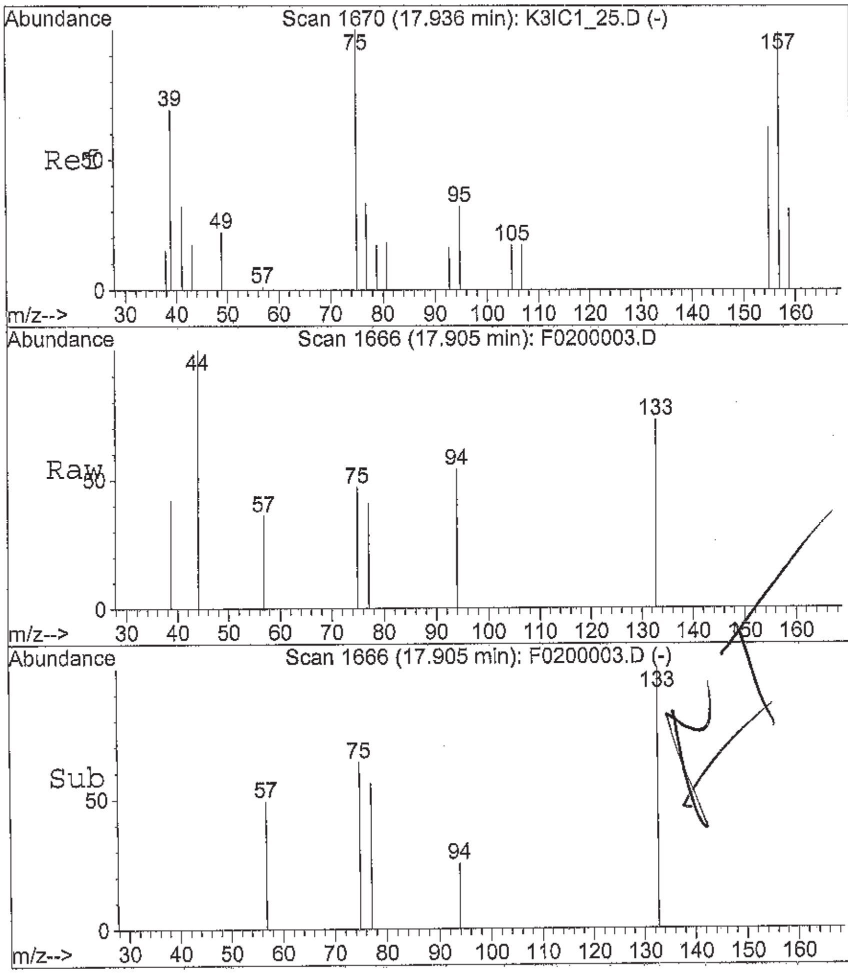


#72
n-Butylbenzene
Concen: 0.01 ug/L
RT: 16.91 min Scan# 1548
Delta R.T. 0.06 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion: 91 Resp: 263

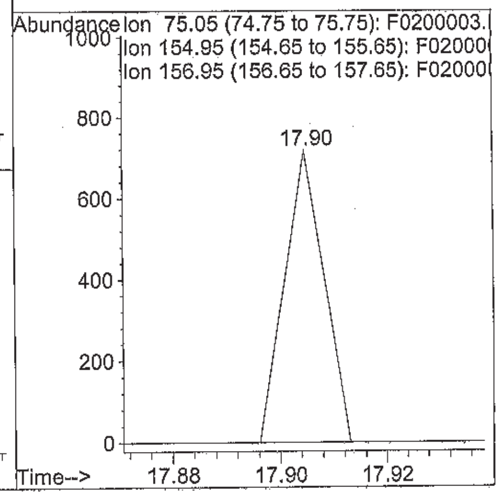
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#

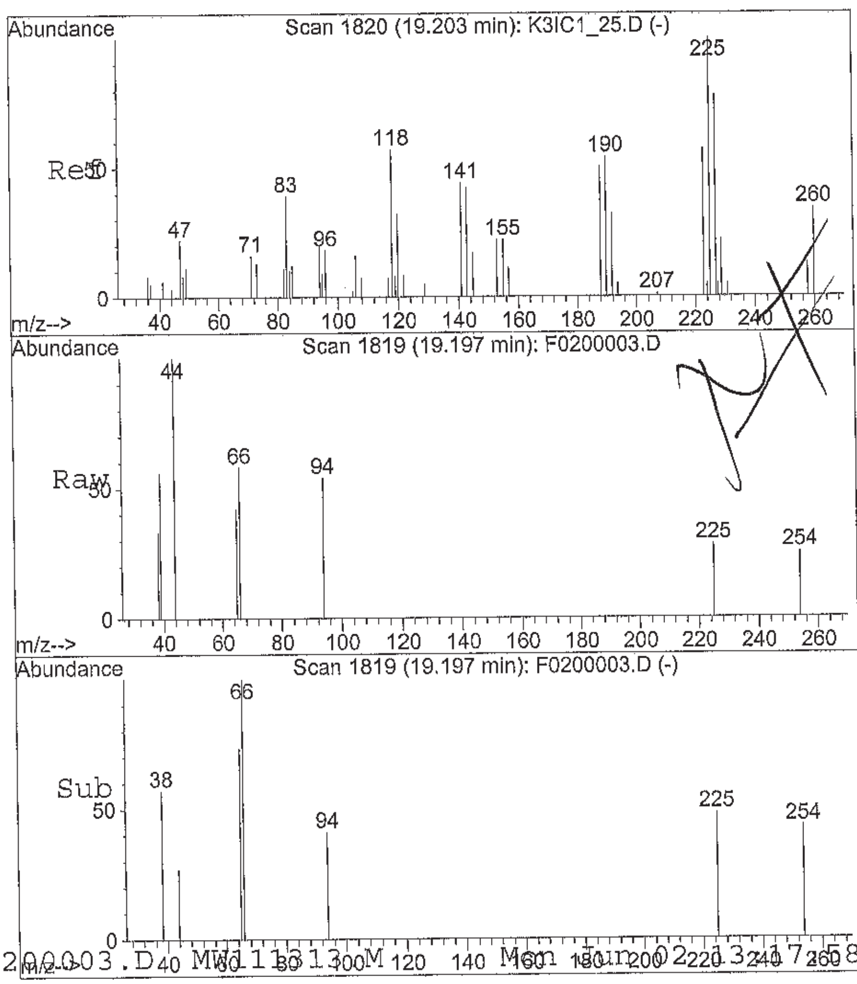




#74
1,2-Dibromo-3-chloropropane
Concen: 1.37 ug/L
RT: 17.90 min   Scan# 1666
Delta R.T.   -0.03 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

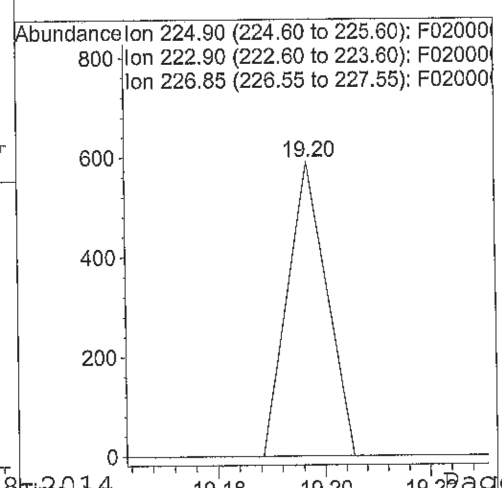
Tgt Ion: 75	Resp:		364
Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#

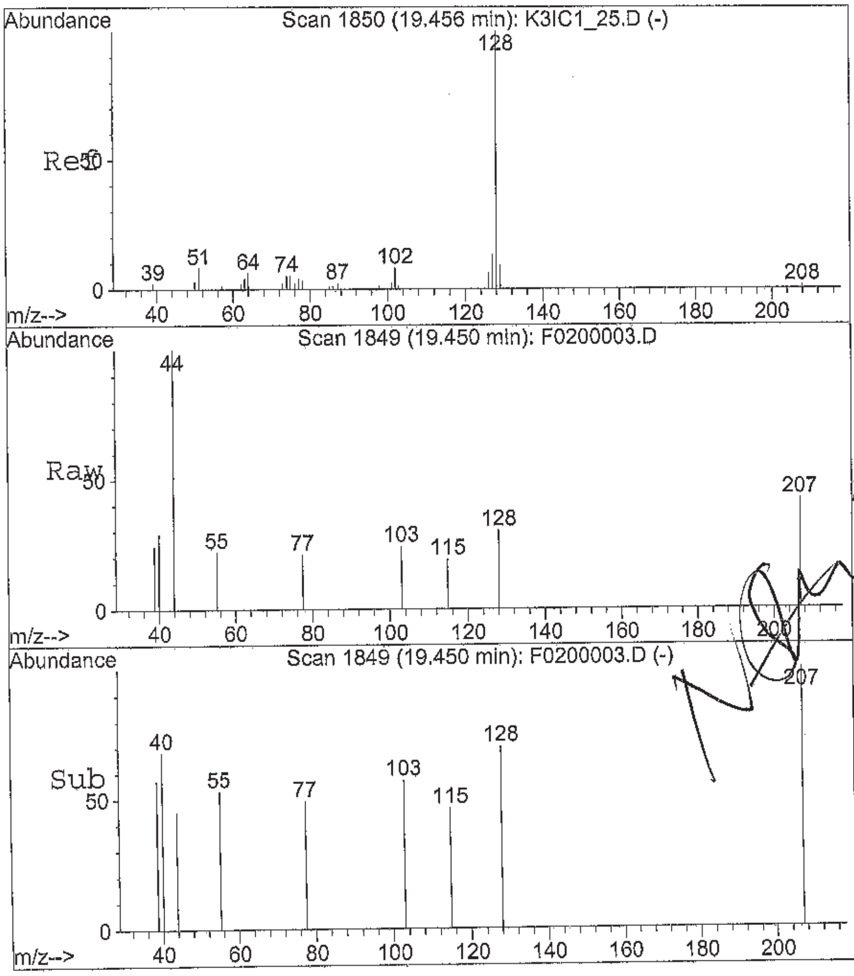




#76
Hexachlorobutadiene
Concen: 0.26 ug/L
RT: 19.20 min   Scan# 1819
Delta R.T.   -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

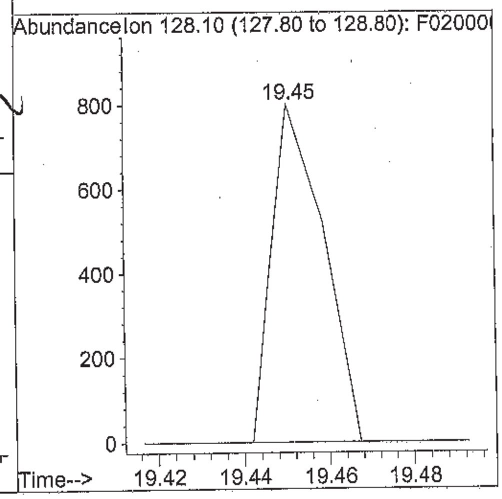
Tgt Ion:225	Resp:		299
Ion	Ratio	Lower	Upper
225	100		
223	0.0	52.0	78.0#
227	0.0	50.6	75.8#





#77
Naphthalene
Concen: 0.05 ug/L
RT: 19.45 min Scan# 1849
Delta R.T. -0.01 min
Lab File: F0200003.D
Acq: 2 Jun 2014 12:51 pm

Tgt Ion:128 Resp: 670



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\060214L3\F0200003.D          Vial: 2
Acq On    :  2 Jun 2014  12:51 pm                       Operator: DN
Sample    : 34F0201-DUP1                                Inst     : GC/MS Ins
Misc      : 100cc  SVL-528-SA8-SV-5.0-6.0               Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun  3  7:30 19114               Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
  1) Fluorobenzene (IS)           10.29   96  1396912    12.50 ug/L   -0.03
  7) Chlorobenzene-d5 (IS)        13.92  117  1285027    12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS   16.50  152   641852    12.50 ug/L   -0.01

System Monitoring Compounds
  2) Dibromofluoromethane (SU1)    9.42  113   429432m   11.82 ug/L   -0.01
  Spiked Amount      12.500   Range  75 - 125    Recovery    =   94.56%
  3) Chloroform-d (SU6)            9.18   84   743878m   14.27 ug/L   -0.01
  Spiked Amount      12.500   Range  70 - 140    Recovery    =  114.16%
  4) Methylene Chloride-d2 (SU5    7.07   86   313142    10.28 ug/L   -0.01
  Spiked Amount      12.500   Range  70 - 140    Recovery    =   82.24%
  5) 1,2-Dichloroethane-d4 (SU2    9.89   65   367900m   14.82 ug/L   -0.01
  Spiked Amount      12.500   Range  75 - 125    Recovery    =  118.56%
  6) Benzene-d6 (SU7)              9.93   84  1187305    10.83 ug/L   -0.02
  Spiked Amount      12.500   Range  70 - 140    Recovery    =   86.64%
  8) Toluene-d8 (SU3)             12.20   98  1321563    10.84 ug/L   -0.02
  Spiked Amount      12.500   Range  75 - 125    Recovery    =   86.72%
  9) 4-Bromofluorobenzene (SU4)   15.22   95   621191m   12.34 ug/L   -0.01
  Spiked Amount      12.500   Range  75 - 125    Recovery    =   98.72%

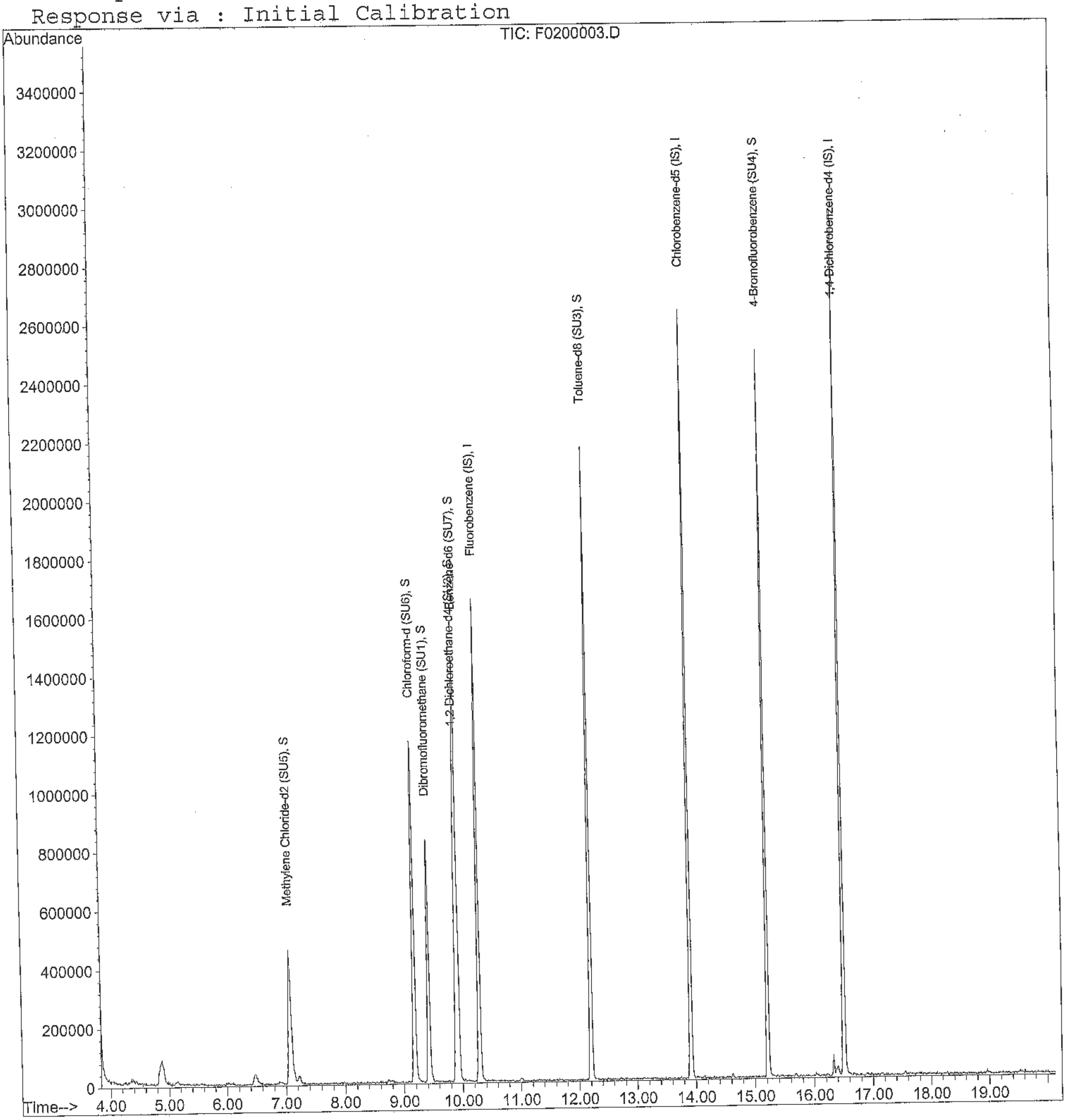
Target Compounds                                                    Qvalue

-------------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200003.D Vial: 2
Acq On : 2 Jun 2014 12:51 pm Operator: DN
Sample : 34F0201-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 3 7:30 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION
LABORATORY CONTROL SAMPLES

```
Data File : C:\HPCHEM\1\DATA\060214L3\F02LCS01.D        Vial: 10
Acq On    :  2 Jun 2014  10:14 am                      Operator: DN
Sample    : 34F0201-BS1                                Inst    : GC/MS Ins
Misc      : 20cc  1.25/2.5/12.5 ug/L LCS               Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun  2 10:41 19114               Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title        : 8260B   GC/MS #3   ICAL 11/13/13  DN
Last Update  : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

AT

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1340147	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1028974	12.50 ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	463879	12.50 ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	437130	13.08 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 104.64%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	487198	15.34 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 122.72%	
39) Toluene-d8 (SU3)	12.21	98	1292115	13.46 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 107.68%	
58) 4-Bromofluorobenzene (SU4)	15.21	95	516854	12.28 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	= 98.24%	

Target Compounds					Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	45929	1.40 ug/L	99
4) Chloromethane	4.45	50	31266	1.27 ug/L	100
5) Vinyl Chloride	4.60	62	28150	1.19 ug/L	71
6) Bromomethane	5.09	96	22764	1.37 ug/L	86
7) Chloroethane	5.25	64	12654	1.22 ug/L	98
8) (F11) Trichlorofluorometha	5.65	101	50063	1.36 ug/L	90
9) (F113) 1,1,2-Trichloro-tri	6.35	151	32181	1.22 ug/L	92
10) 1,1-Dichloroethene	6.42	96	41125	1.30 ug/L #	41
11) Acetone	6.46	58	20671	4.79 ug/L #	1
12) (IPA) Leak Check Compound	6.51	45	105227	65.34 ug/L	81
13) Carbon disulfide	6.85	76	136636	1.23 ug/L	96
14) Methylene Chloride	7.10	84	41022	1.11 ug/L #	72
15) (TBA) tert-Butanol	7.09	59	12464	5.45 ug/L #	88
16) (MTBE) Methyl-t-butyl ethe	7.40	73	146504	1.93 ug/L #	85
17) trans-1,2-Dichloroethene	7.47	96	40551	1.12 ug/L #	62
18) 1,1-Dichloroethane	8.06	63	75861	1.26 ug/L	94
19) cis-1,2-Dichloroethene	8.82	96	43644	1.04 ug/L	62
20) 2,2-Dichloropropane	8.84	77	5657	0.11 ug/L #	57
21) (MEK) 2-Butanone	8.80	72	7611	2.02 ug/L #	1
22) (DIPE) Diisopropyl Ether	8.01	45	149374	1.43 ug/L #	86
23) Bromochloromethane	9.17	128	17900	1.00 ug/L #	56
24) Chloroform	9.21	83	90933	1.30 ug/L	92

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\060214L3\F02LCS01.D Vial: 10
Acq On : 2 Jun 2014 10:14 am Operator: DN
Sample : 34F0201-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:41 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	(ETBE) 2-ethoxy 2-methyl p	8.49	59	125347	1.29 ug/L	#	94
26)	1,1,1-Trichloroethane	9.50	97	62896	1.14 ug/L		94
27)	(TAME) tert-Amyl methyl et	10.00	73	102348	1.21 ug/L	#	87
29)	1,1-Dichloropropene	9.69	75	73517	1.42 ug/L	#	89
30)	Carbon Tetrachloride	9.71	117	56683	1.26 ug/L		99
31)	Benzene	9.98	78	126210	1.00 ug/L	#	72
32)	1,2-Dichloroethane	9.98	62	49627	1.11 ug/L		87
33)	Trichloroethene	10.74	130	45164	1.11 ug/L	#	85
34)	1,2-Dichloropropane	11.04	63	38791	1.29 ug/L	#	24
35)	Dibromomethane	11.21	93	34904	1.48 ug/L	#	85
36)	Bromodichloromethane	11.34	83	85295	1.80 ug/L		94
37)	cis-1,3-Dichloropropene	11.87	75	63224	1.22 ug/L	#	65
40)	(MIBK) 4-Methyl-2-Pentanon	12.11	43	33918	1.65 ug/L	#	100
41)	Toluene	12.28	91	150872	1.08 ug/L		95
42)	trans-1,3-Dichloropropene	12.50	75	55172	1.19 ug/L	#	44
43)	1,1,2-Trichloroethane	12.76	83	29517	1.17 ug/L	#	77
44)	Tetrachloroethene	12.93	164	57314	1.16 ug/L		88
45)	1,3-Dichloropropane	12.96	76	60999	1.27 ug/L		91
46)	2-Hexanone	12.97	43	69329	3.08 ug/L	#	86
47)	Dibromochloromethane	13.25	129	58532	1.62 ug/L	#	93
48)	1,2-Dibromoethane	13.42	107	46118	1.41 ug/L		99
49)	Chlorobenzene	13.95	112	104019	1.10 ug/L	#	78
50)	1,1,1,2-Tetrachloroethane	14.02	131	47326	1.41 ug/L		93
51)	Ethylbenzene	14.02	91	214794	1.35 ug/L		90
52)	m,p-Xylenes	14.15	106	128730	2.27 ug/L	#	60
53)	o-Xylene	14.61	106	69500	1.24 ug/L		23
54)	Styrene	14.62	104	93689	1.14 ug/L	#	66
55)	Bromoform	14.91	173	34403	1.68 ug/L	#	85
56)	Isopropylbenzene	15.00	105	216128	1.41 ug/L	#	87
57)	1,2,3-Trichloropropane	15.42	75	69629	1.66 ug/L		1
60)	1,1,2,2-Tetrachloroethane	15.34	83	54778	1.64 ug/L		94
61)	Bromobenzene	15.43	156	41304	1.13 ug/L	#	49
62)	n-Propylbenzene	15.46	91	282058	1.50 ug/L	#	91
63)	2-Chlorotoluene	15.61	91	192969	1.67 ug/L	#	83
64)	1,3,5-Trimethylbenzene	15.62	105	189115	1.64 ug/L	#	81
65)	4-Chlorotoluene	15.72	91	184419	1.73 ug/L	#	84
66)	tert-Butylbenzene	16.01	119	144033	1.46 ug/L	#	56

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\060214L3\F02LCS01.D Vial: 10
Acq On : 2 Jun 2014 10:14 am Operator: DN
Sample : 34F0201-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:41 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

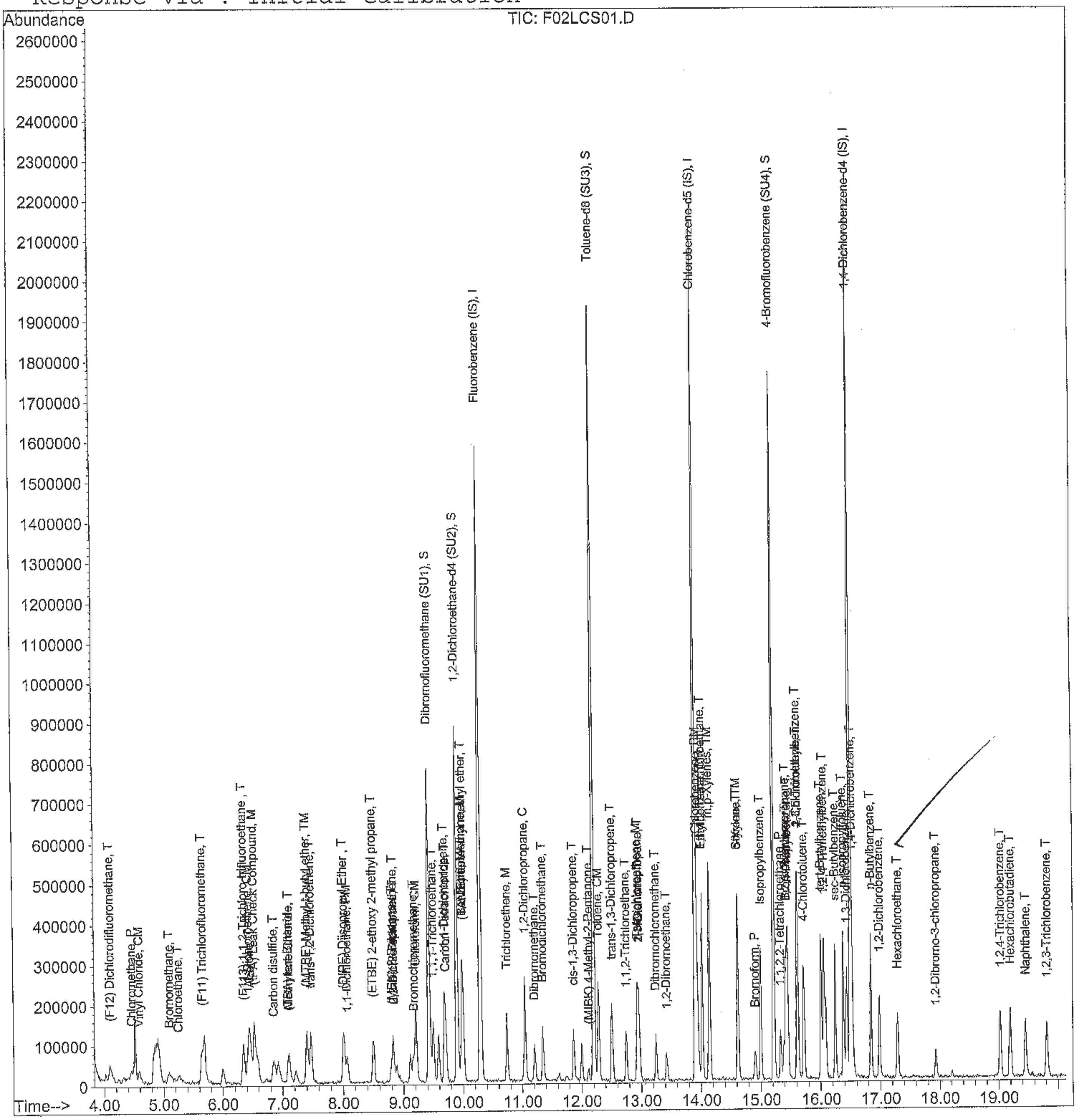
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,4-Trimethylbenzene	16.06	105	197996	1.64 ug/L #	82
68)	sec-Butylbenzene	16.24	105	227794	1.46 ug/L	93
69)	p-Isopropyltoluene	16.38	119	188141	1.48 ug/L #	82
70)	1,3-Dichlorobenzene	16.44	146	86616	1.26 ug/L #	88
71)	1,4-Dichlorobenzene	16.54	146	85497	1.25 ug/L	93
72)	n-Butylbenzene	16.84	91	213432	1.60 ug/L #	90
73)	1,2-Dichlorobenzene	16.99	146	70156	1.15 ug/L #	85
74)	1,2-Dibromo-3-chloropropan	17.92	75	23697	4.43 ug/L #	70
75)	1,2,4-Trichlorobenzene	19.03	180	51291	1.24 ug/L #	95
76)	Hexachlorobutadiene	19.20	225	35809	1.92 ug/L	88
77)	Naphthalene	19.45	128	128510	1.40 ug/L	100
78)	Hexachloroethane	17.29	201	15511	1.16 ug/L #	66
79)	1,2,3-Trichlorobenzene	19.81	180	46260	1.18 ug/L #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F02LCS01.D Vial: 10
Acq On : 2 Jun 2014 10:14 am Operator: DN
Sample : 34F0201-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 2 10:41 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION BLANK

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F02BLK01.D
Acq On : 2 Jun 2014 11:15 am
Sample : 34F0201-BLK1
Misc : 100cc AMBIENT AIR/H20
MS Integration Params: rteint.p
Quant Time: Jun 2 12:33 19114

Vial: 11
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1631767	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1469972	12.50 ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	712180	12.50 ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.42	113	480490m	11.81 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 94.48%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	447803m	11.58 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 92.64%	
39) Toluene-d8 (SU3)	12.20	98	1604817	11.71 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 93.68%	
58) 4-Bromofluorobenzene (SU4)	15.21	95	803898m	13.37 ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery	= 106.96%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) (F12) Dichlorodifluorometh	3.87	85	431	0.11 ~~ug/L~~ # NSM	44
4) Chloromethane	4.42	50	2833	-0.19 ~~ug/L~~	93
5) Vinyl Chloride	4.48	62	356	0.12 ~~ug/L~~ #	1
6) Bromomethane	5.12	96	1265	-1.07 ~~ug/L~~ #	18
7) Chloroethane	5.20	64	2426	2.47 ~~ug/L~~	90
8) (F11) Trichlorofluorometha	5.50	101	391	0.09 ~~ug/L~~ #	16
11) Acetone	6.48	58	5279	3.30 ~~ug/L~~ # NT	1
12) (IPA) Leak Check Compound	6.53	45	6298	32.12 ~~ug/L~~ # NSM	57
13) Carbon disulfide	6.74	76	366	0.03 ~~ug/L~~ # NSK	76
14) Methylene Chloride	7.08	84	3885	0.87 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.09	59	263	0.94 ~~ug/L~~ #	77
16) (MTBE) Methyl-t-butyl ethe	7.44	73	294	0.03 ~~ug/L~~ #	55
18) 1,1-Dichloroethane	8.13	63	259	0.04 ~~ug/L~~ #	1
19) cis-1,2-Dichloroethene	8.60	96	295	0.06 ug/L #	3
20) 2,2-Dichloropropane	8.89	77	406	0.06 ~~ug/L~~ # NSM	48
22) (DIPE) Diisopropyl Ether	8.18	45	345	0.03 ~~ug/L~~ #	48
23) Bromochloromethane	9.04	128	265	0.12 ~~ug/L~~ #	1
24) Chloroform	9.20	83	3903	0.46 ~~ug/L~~ #	18
29) 1,1-Dichloropropene	9.92	75	615	0.10 ~~ug/L~~ #	1
30) Carbon Tetrachloride	9.55	117	266	0.05 ug/L #	2
31) Benzene	9.92	78	13039	0.85 ug/L #	67
32) 1,2-Dichloroethane	9.92	62	12933	2.38 ~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F02BLK01.D Vial: 11
Acq On : 2 Jun 2014 11:15 am Operator: DN
Sample : 34F0201-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:33 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	1,2-Dichloropropane	11.05	63	610	0.17 ~~ug/L~~ # NSM	25
35)	Dibromomethane	11.21	93	297	0.10 ug/L #	19
40)	(MIBK) 4-Methyl-2-Pentanon	12.14	43	568	0.19 ~~ug/L~~ #	100
41)	Toluene	12.28	91	1411	0.07 ug/L #0.0014	~~1~~
42)	trans-1,3-Dichloropropene	12.41	75	270	0.04 ~~ug/L~~ # NSM	1
45)	1,3-Dichloropropane	13.08	76	267	0.04 ~~ug/L~~ #	41
46)	2-Hexanone	12.97	43	1763	0.55 ~~ug/L~~ #	37
48)	1,2-Dibromoethane	13.66	107	262	0.06 ~~ug/L~~ #	3
51)	Ethylbenzene	14.00	91	1311	0.06 ~~ug/L~~ #	45
52)	m,p-Xylenes	14.12	106	359	0.04 ~~ug/L~~ #	63
54)	Styrene	14.61	104	2037	-0.70 ~~ug/L~~ # NSM	63
56)	Isopropylbenzene	15.00	105	316	0.01 ~~ug/L~~ #	55
57)	1,2,3-Trichloropropane	15.42	75	310	0.05 ~~ug/L~~ #	1
60)	1,1,2,2-Tetrachloroethane	15.20	83	260	0.05 ~~ug/L~~ #	18
62)	n-Propylbenzene	15.49	91	270	0.01 ~~ug/L~~ #	56
63)	2-Chlorotoluene	15.62	91	339	0.02 ~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.59	105	270	0.02 ~~ug/L~~ # NSM	31
65)	4-Chlorotoluene	15.74	91	267	0.02 ~~ug/L~~ #	44
66)	tert-Butylbenzene	16.01	119	296	0.02 ~~ug/L~~ #	24
67)	1,2,4-Trimethylbenzene	16.06	105	982	0.05 ~~ug/L~~ #	33
68)	sec-Butylbenzene	16.34	105	780	0.03 ~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	1146	0.06 ~~ug/L~~ # NSM	1
70)	1,3-Dichlorobenzene	16.54	146	590	0.06 ~~ug/L~~ #	24
71)	1,4-Dichlorobenzene	16.54	146	590	0.06 ug/L #	22
72)	n-Butylbenzene	16.82	91	374	0.02 ~~ug/L~~ #	30
74)	1,2-Dibromo-3-chloropropan	17.97	75	268	1.21 ~~ug/L~~ #	6
77)	Naphthalene	19.45	128	1281	0.09 ~~ug/L~~	100

(#) = qualifier out of range (m) = manual integration
F02BLK01.D MW111313.M Mon Jun 02 12:33:59 2014

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\060214L3\F02BLK01.D          Vial: 11
Acq On    :  2 Jun 2014  11:15 am                    Operator: DN
Sample    : 34F0201-BLK1                             Inst    : GC/MS Ins
Misc      : 100cc  AMBIENT AIR/H20                   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun  2 12:33 19114              Quant Results File: MW111313.RES

Method        : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title         : 8260B    GC/MS #3   ICAL 11/13/13  DN
Last Update   : Wed Nov 13 19:38:32 2013
Response via  : Initial Calibration
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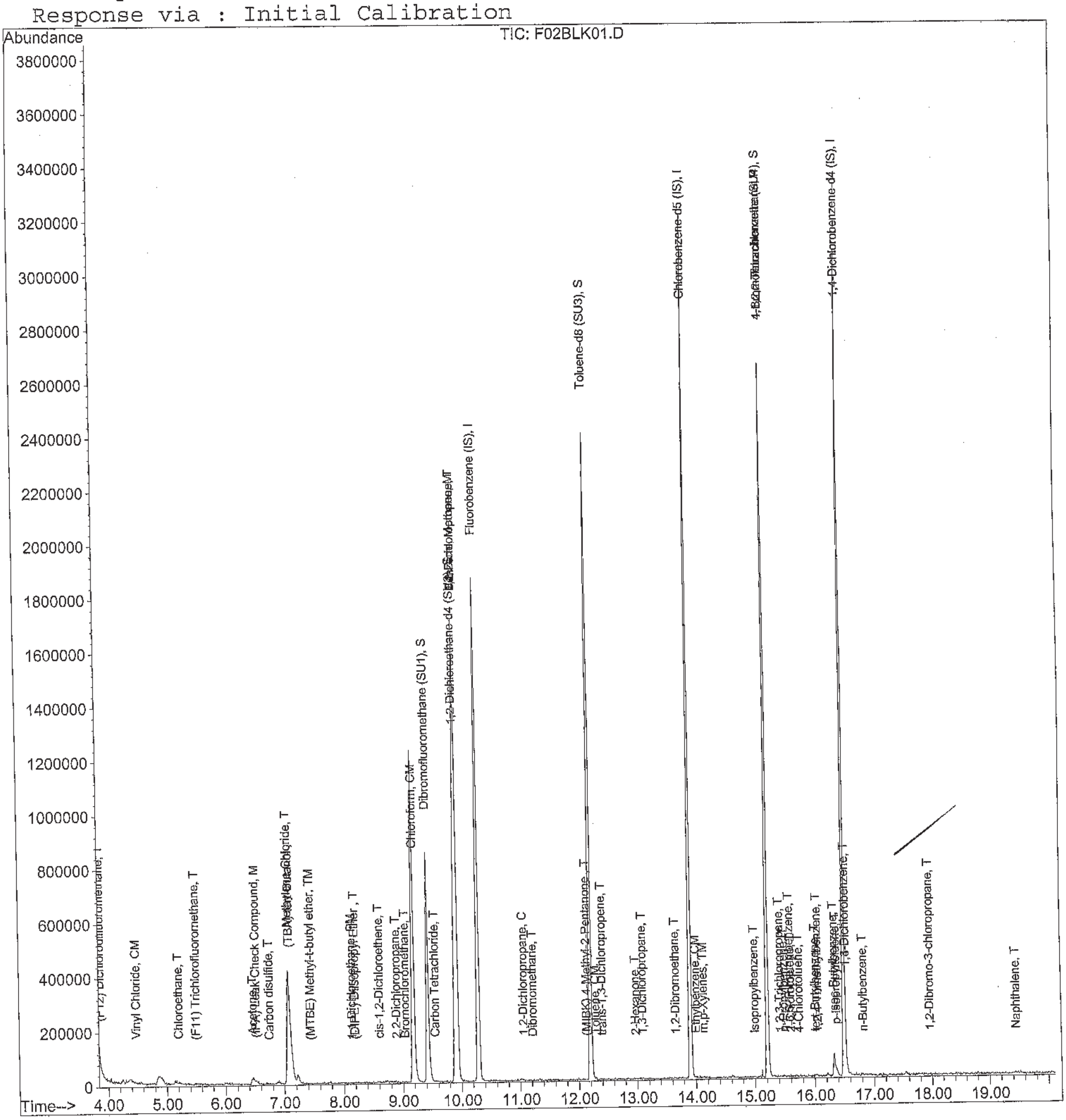
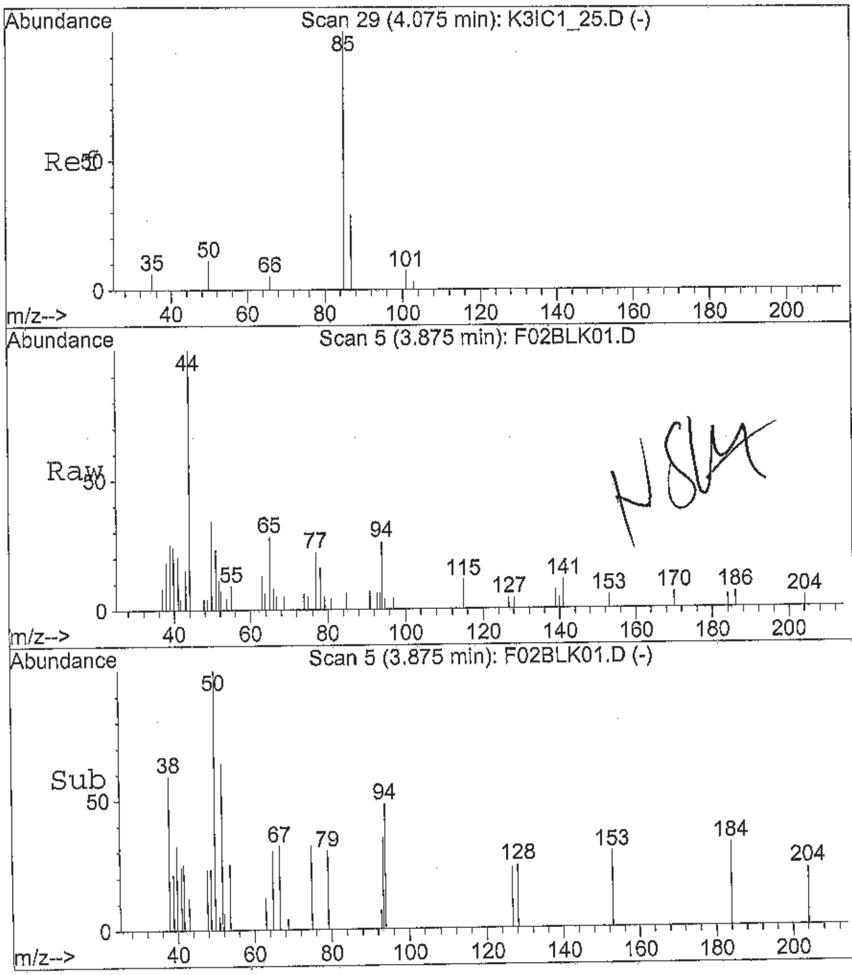


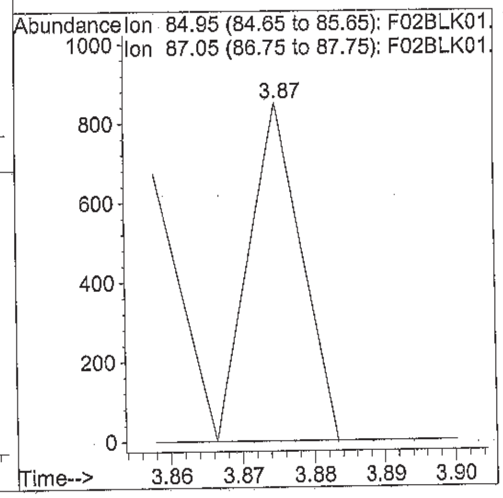
F02BLK01.D   MW111313.M   Mon Jun 02 12:34:02 2014

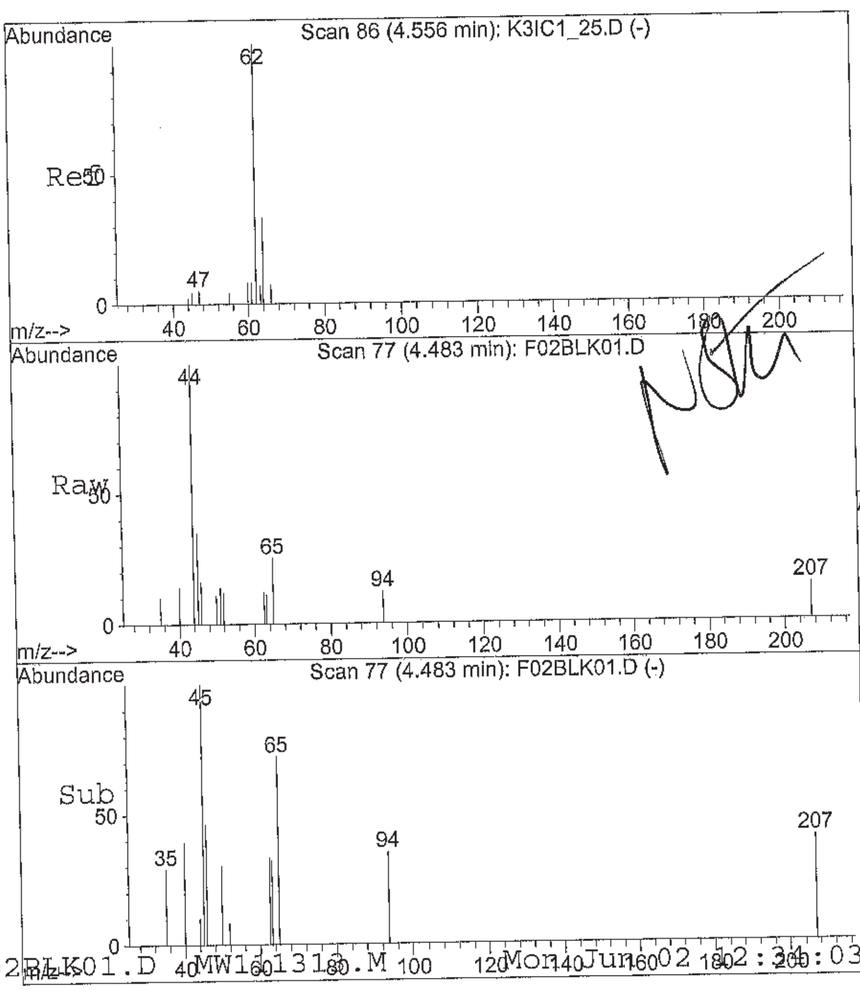


#3
(F12) Dichlorodifluoromethane
Concen: 0.11 ug/L
RT: 3.87 min Scan# 5
Delta R.T. -0.20 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 85 Resp: 431

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

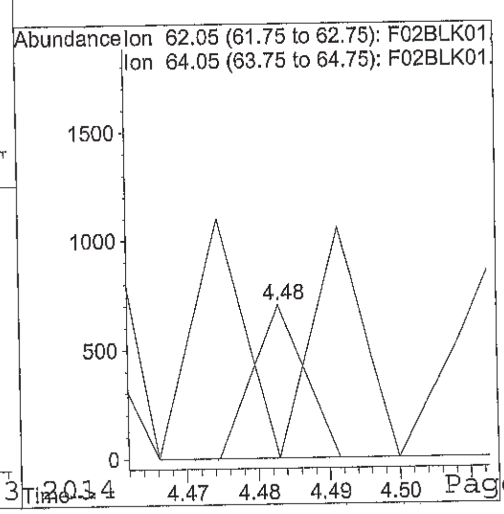


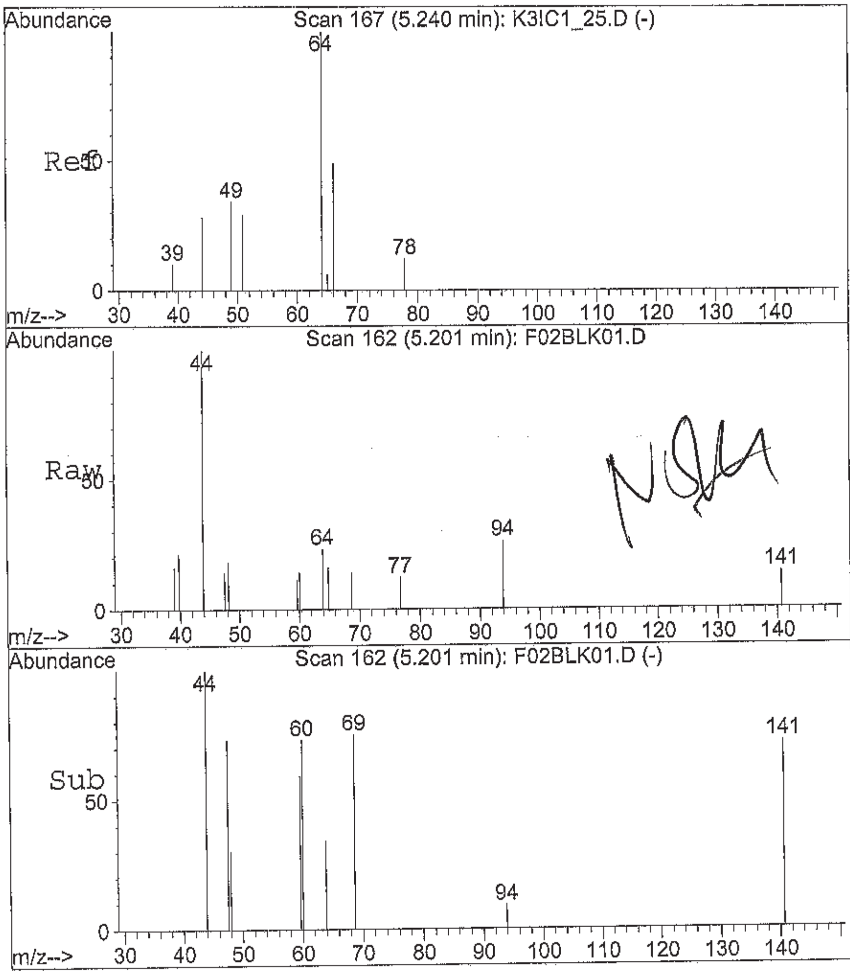


#5
Vinyl Chloride
Concen: 0.12 ug/L
RT: 4.48 min Scan# 77
Delta R.T. -0.07 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 62 Resp: 356

Ion	Ratio	Lower	Upper
62	100		
64	150.0	25.6	38.4#

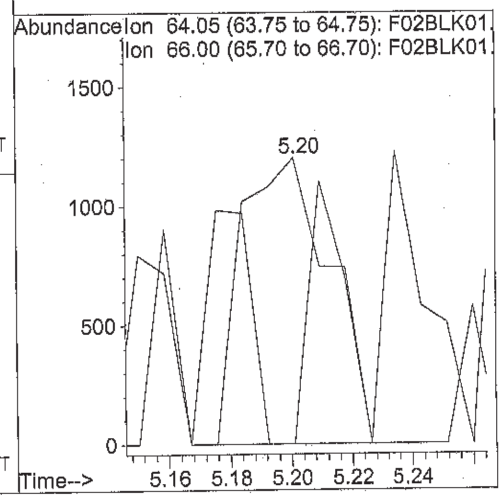


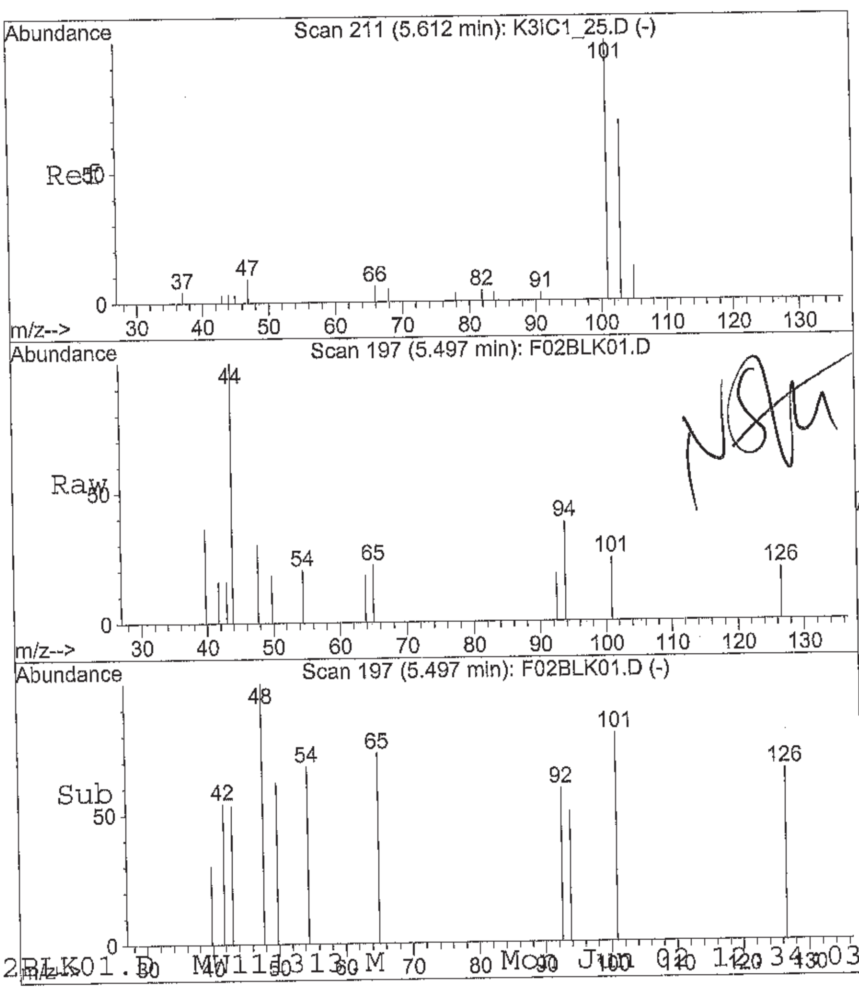


#7
Chloroethane
Concen: 2.47 ug/L
RT: 5.20 min Scan# 162
Delta R.T. -0.04 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 64 Resp: 2426

Ion	Ratio	Lower	Upper
64	100		
66	37.6	35.4	53.0

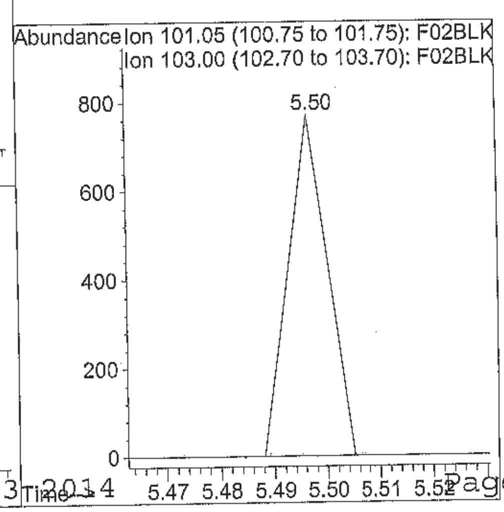


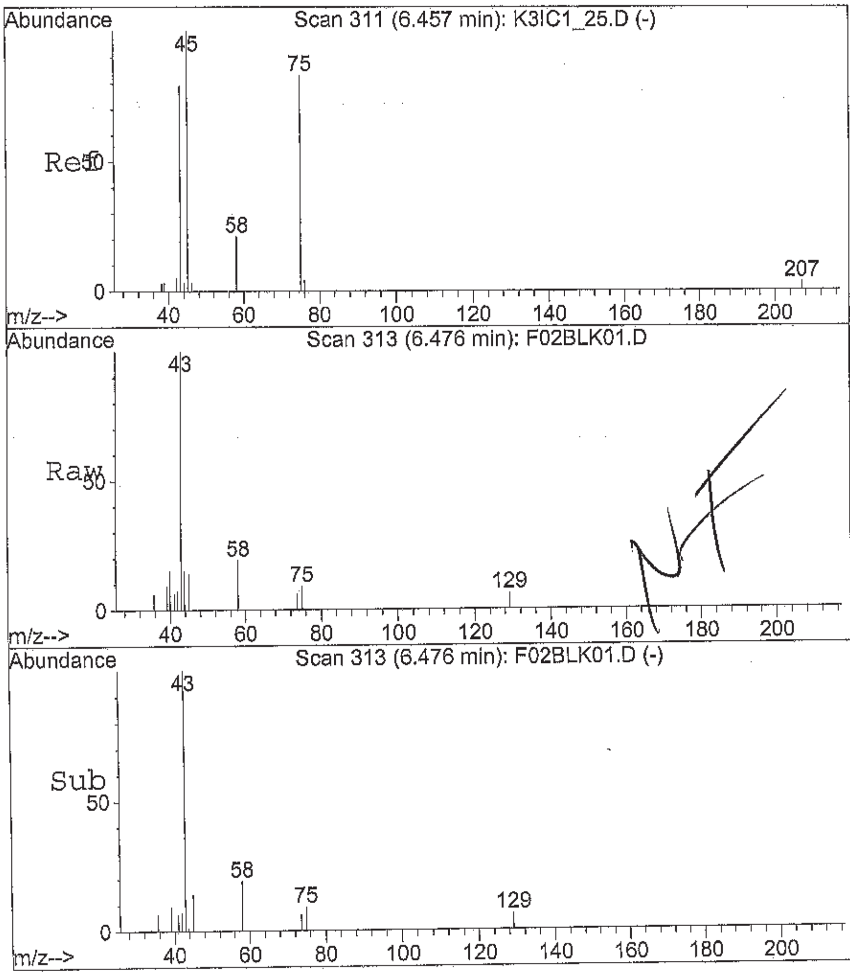


#8
(F11) Trichlorofluoromethane
Concen: 0.09 ug/L
RT: 5.50 min Scan# 197
Delta R.T. -0.12 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:101 Resp: 391

Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.5	81.7#

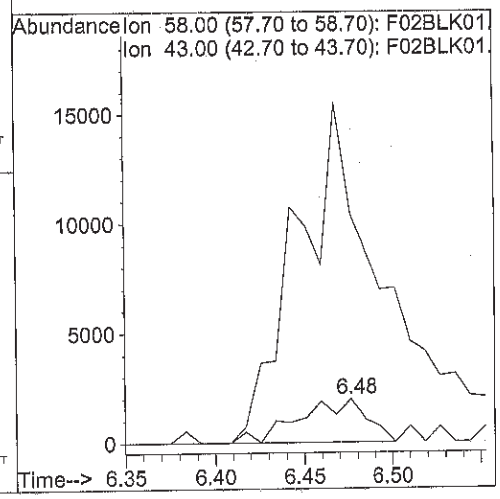


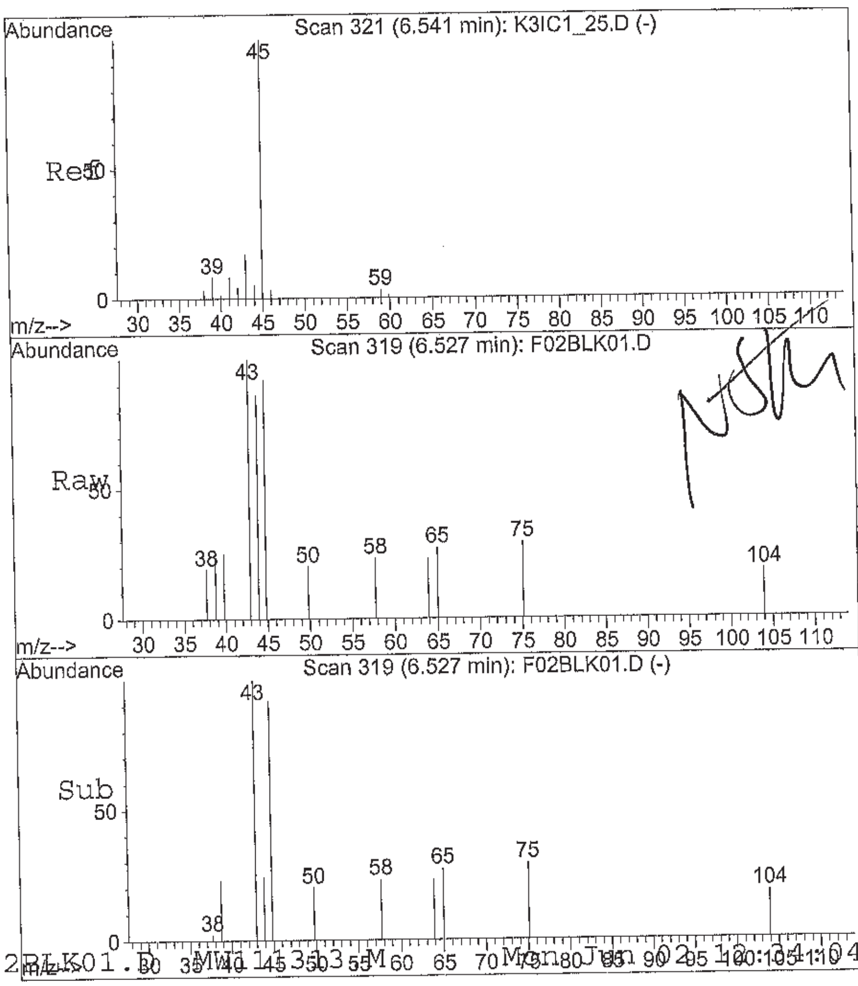


#11
Acetone
Concen: 3.30 ug/L
RT: 6.48 min Scan# 313
Delta R.T. 0.02 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 58 Resp: 5279

Ion	Ratio	Lower	Upper
58	100		
43	1012.3	360.9	541.3#

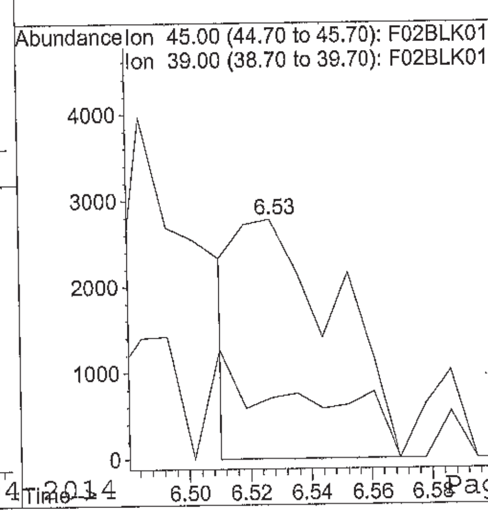


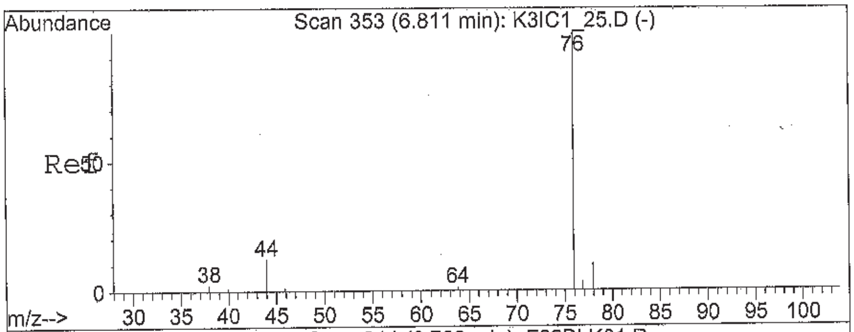


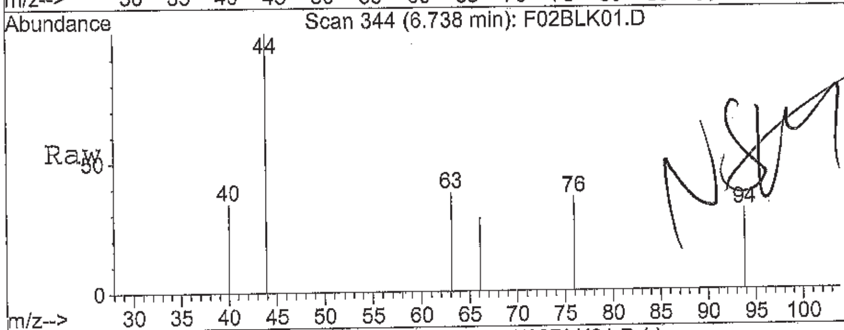
#12
(IPA) Leak Check Compound
Concen: 32.12 ug/L
RT: 6.53 min Scan# 319
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

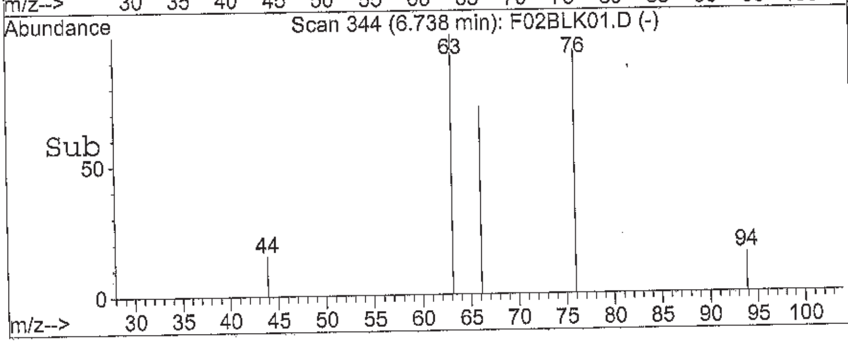
Tgt Ion: 45 Resp: 6298

Ion	Ratio	Lower	Upper
45	100		
39	20.6	4.9	7.3#





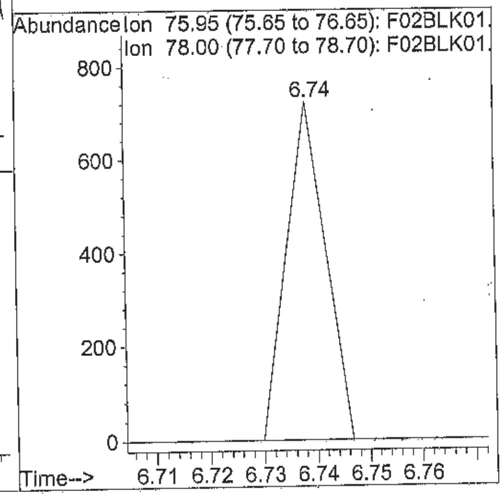


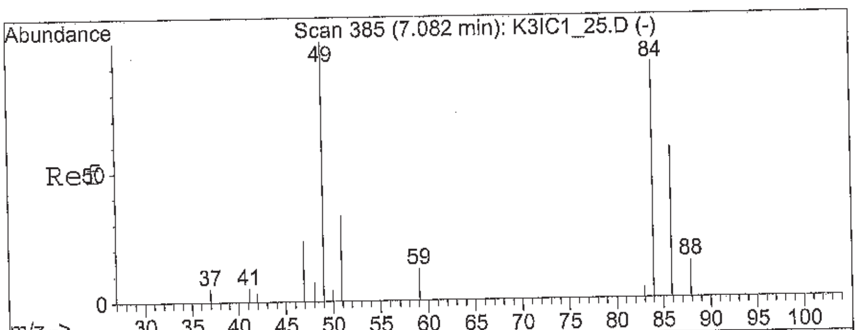


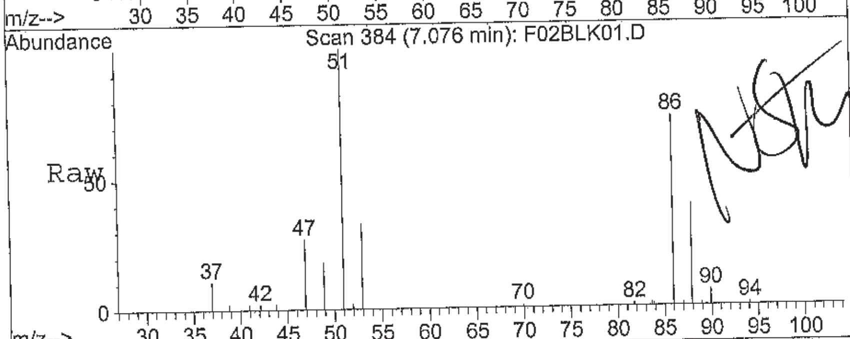
#13
Carbon disulfide
Concen: 0.03 ug/L
RT: 6.74 min Scan# 344
Delta R.T. -0.07 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

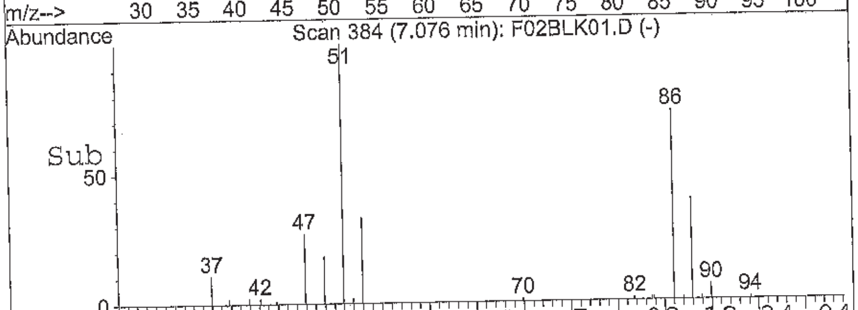
Tgt Ion: 76 Resp: 366

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#





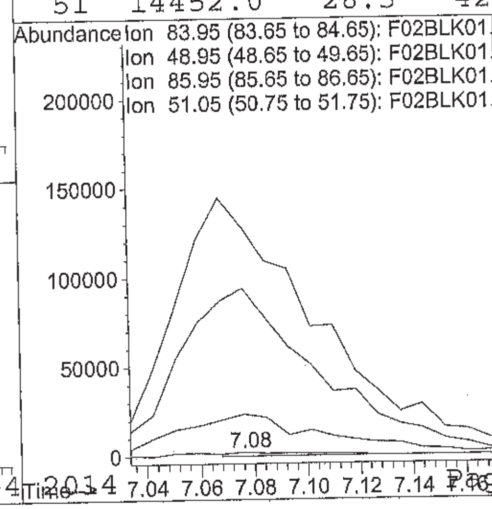


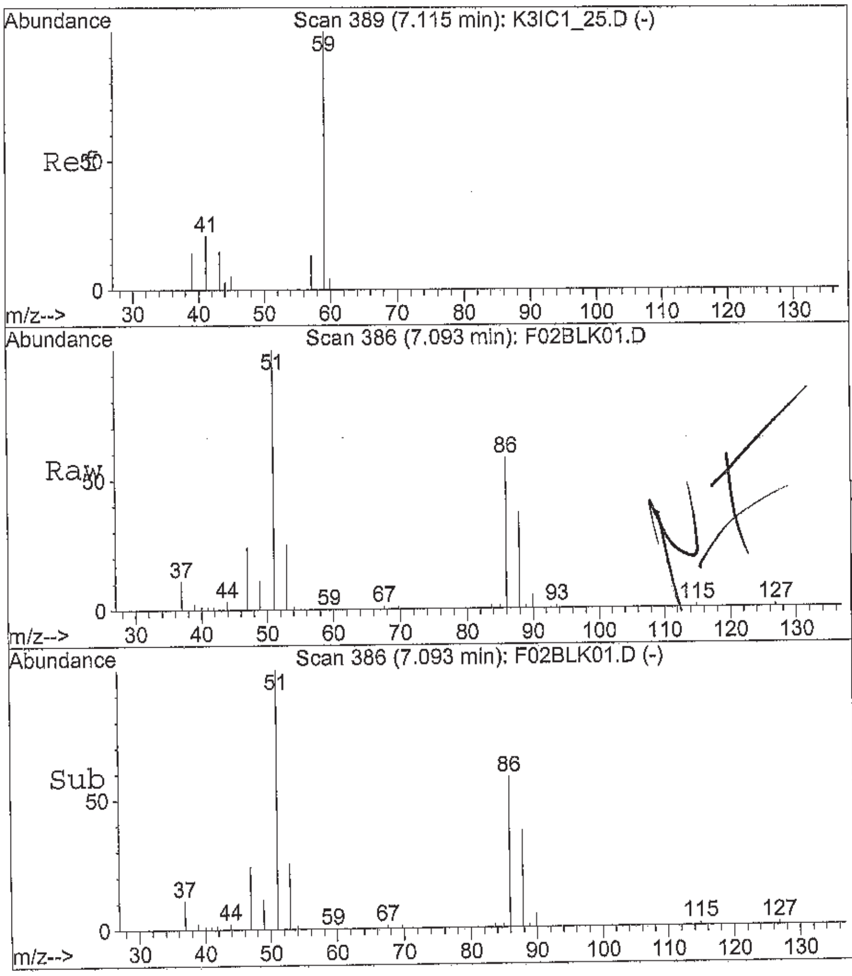


#14
Methylene Chloride
Concen: 0.87 ug/L
RT: 7.08 min Scan# 384
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 84 Resp: 3885

Ion	Ratio	Lower	Upper
84	100		
49	2500.3	89.8	134.6#
86	9168.7	51.1	76.7#
51	14452.0	28.5	42.7#

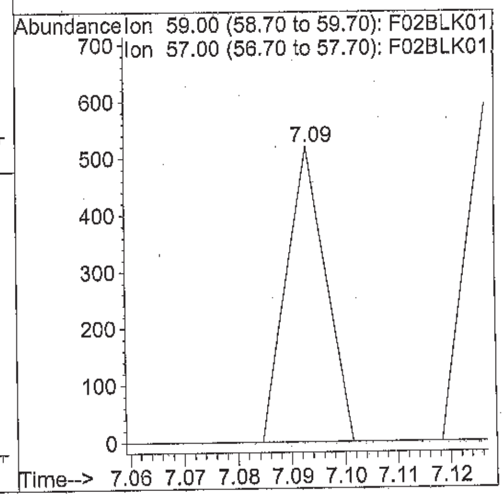


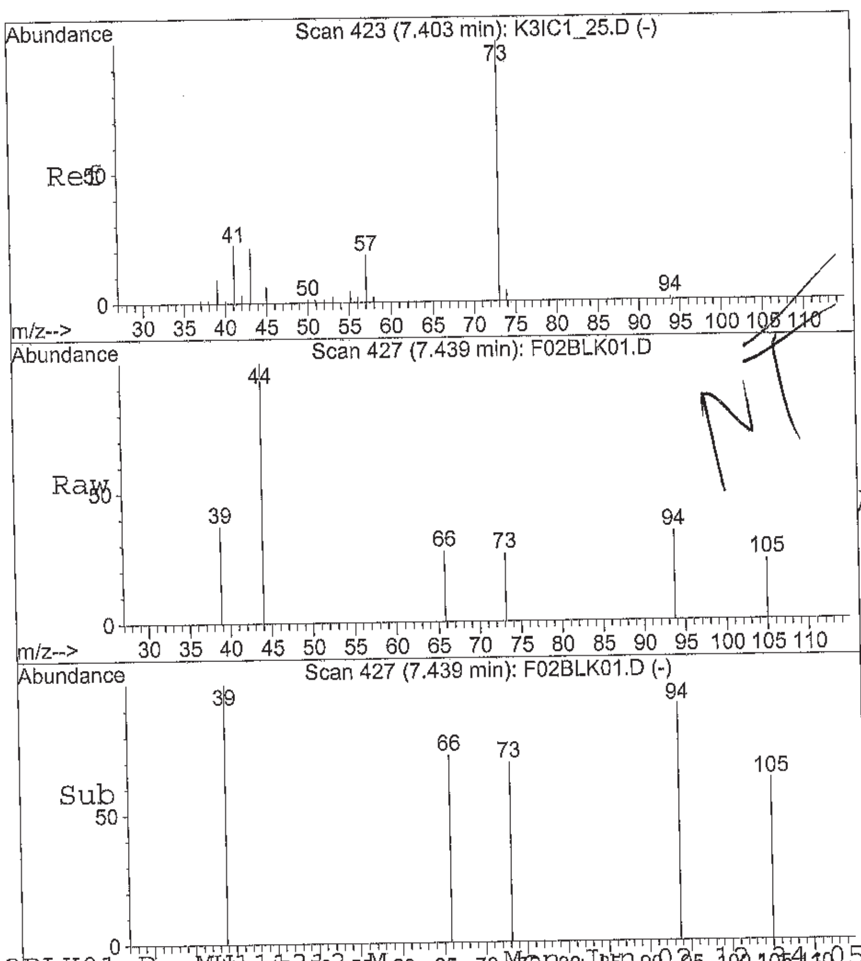


#15
(TBA) tert-Butanol
Concen: 0.94 ug/L
RT: 7.09 min Scan# 386
Delta R.T. -0.02 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 59 Resp: 263

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

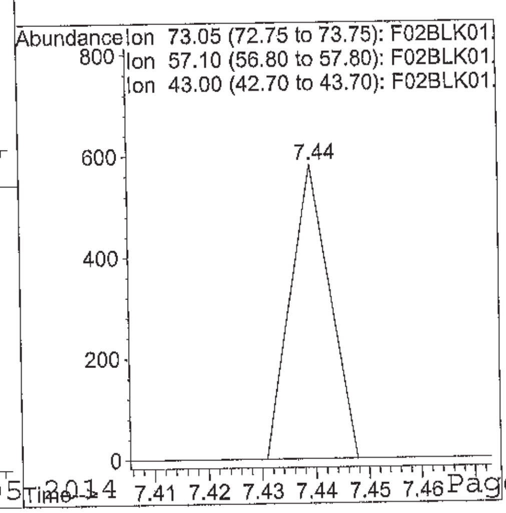


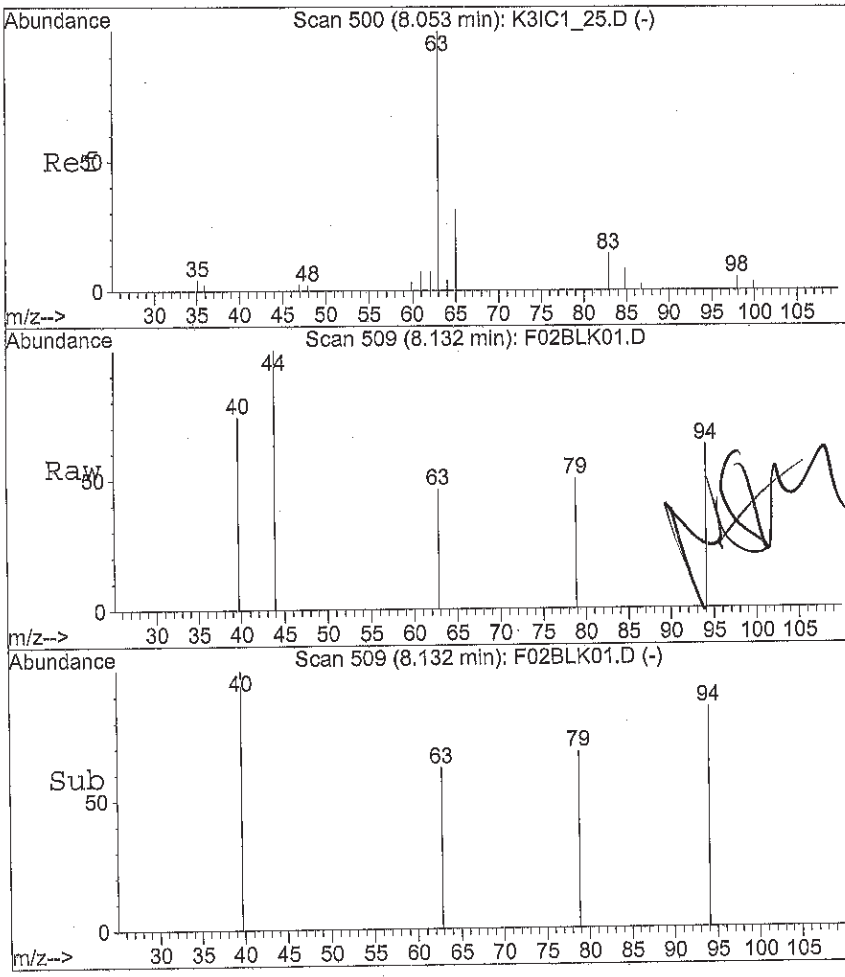


#16
(MTBE) Methyl-t-butyl ether
Concen: 0.03 ug/L
RT: 7.44 min Scan# 427
Delta R.T. 0.04 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 73 Resp: 294

Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.8	23.8#
43	0.0	18.4	27.6#

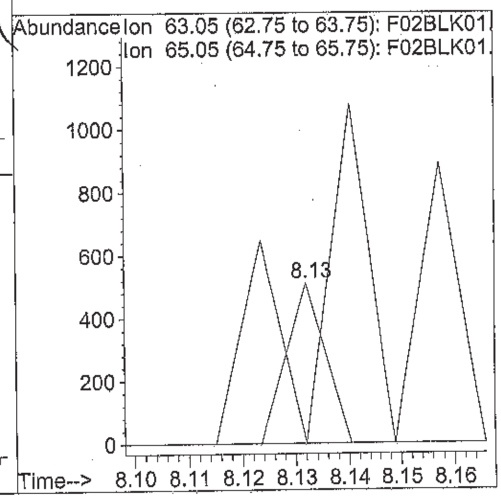


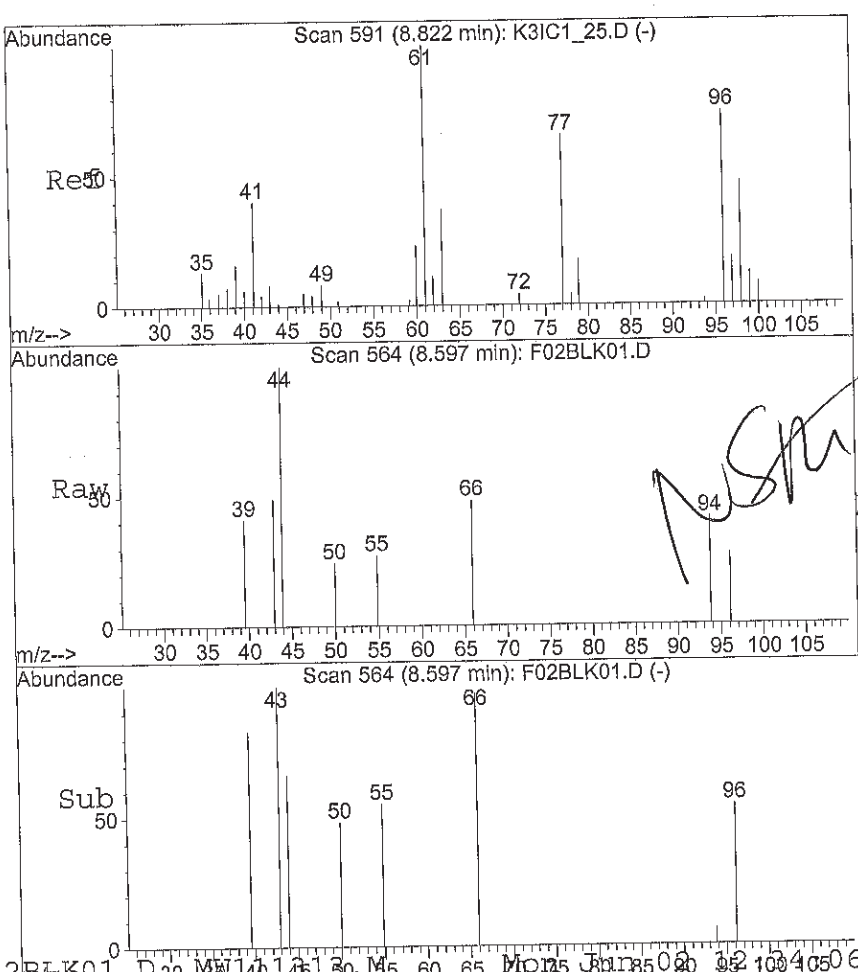


#18
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 8.13 min Scan# 509
Delta R.T. 0.08 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 63 Resp: 259

Ion	Ratio	Lower	Upper
63	100		
65	511.2	25.8	38.8#

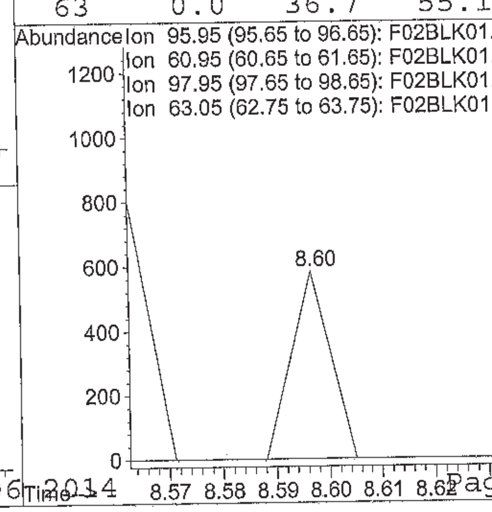


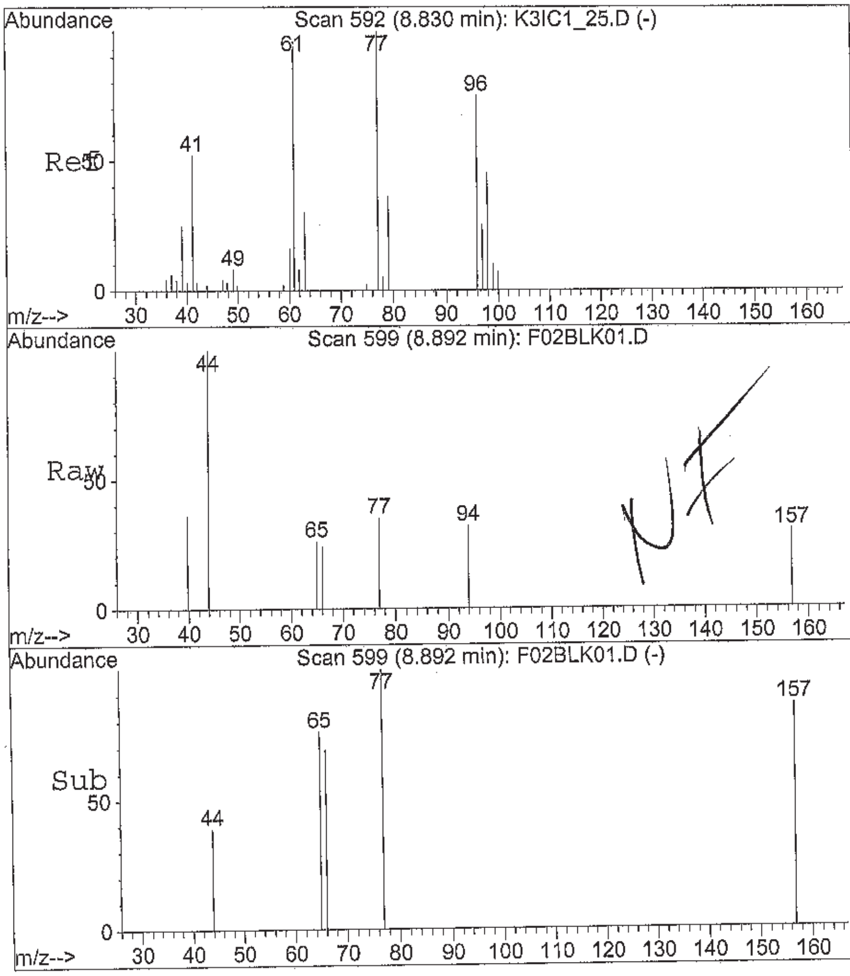


#19
cis-1,2-Dichloroethene
Concen: 0.06 ug/L
RT: 8.60 min Scan# 564
Delta R.T. -0.23 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 96 Resp: 295

Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

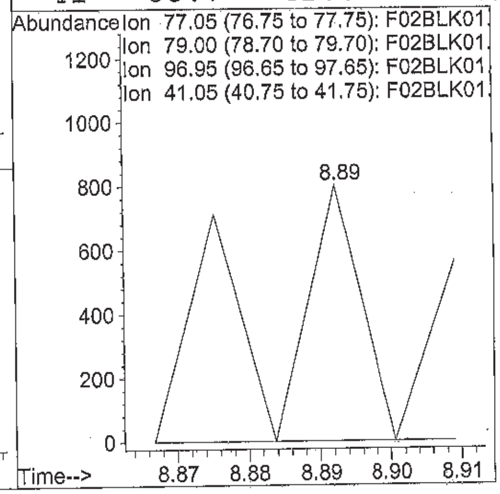


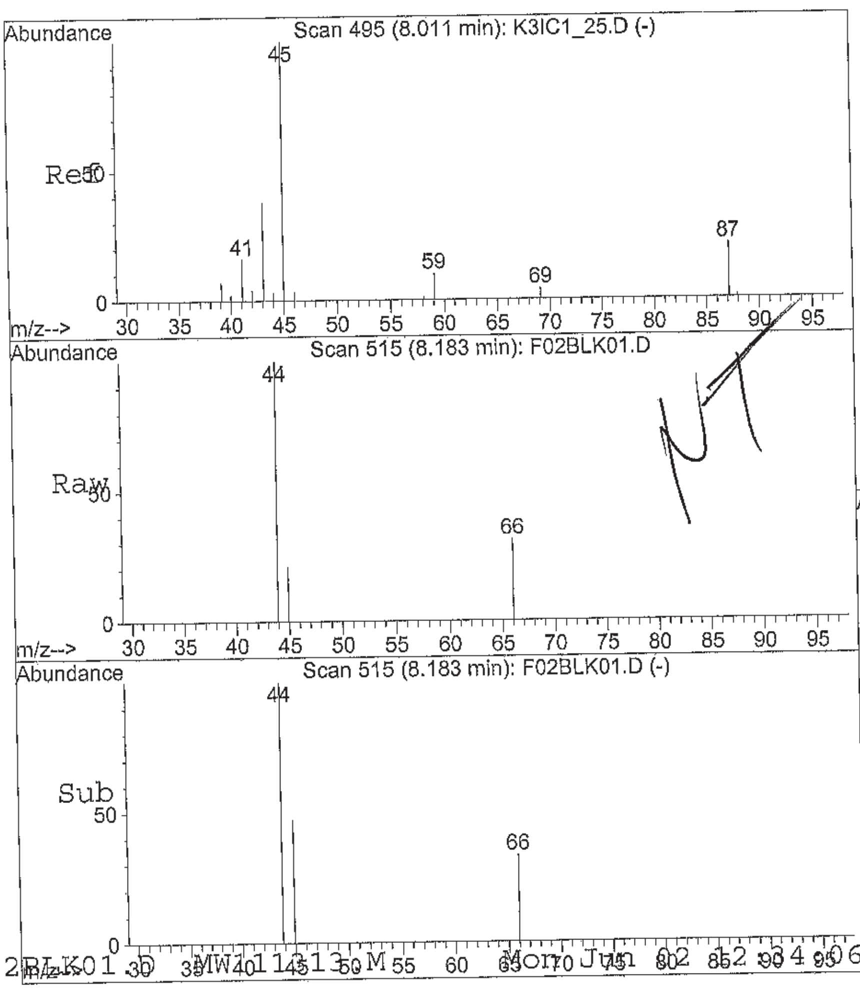


#20
2,2-Dichloropropane
Concen: 0.06 ug/L
RT: 8.89 min Scan# 599
Delta R.T. 0.06 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 77 Resp: 406

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	88.7	42.6	64.0#

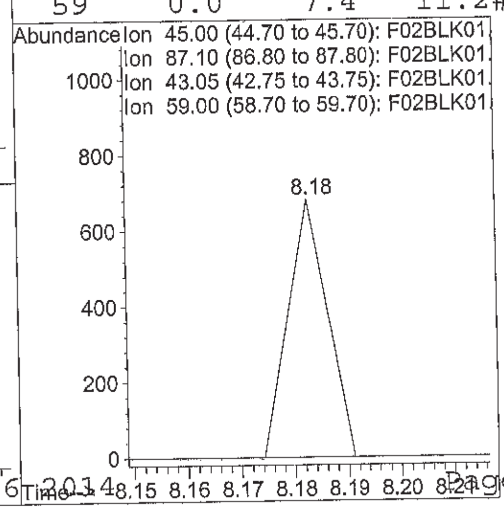


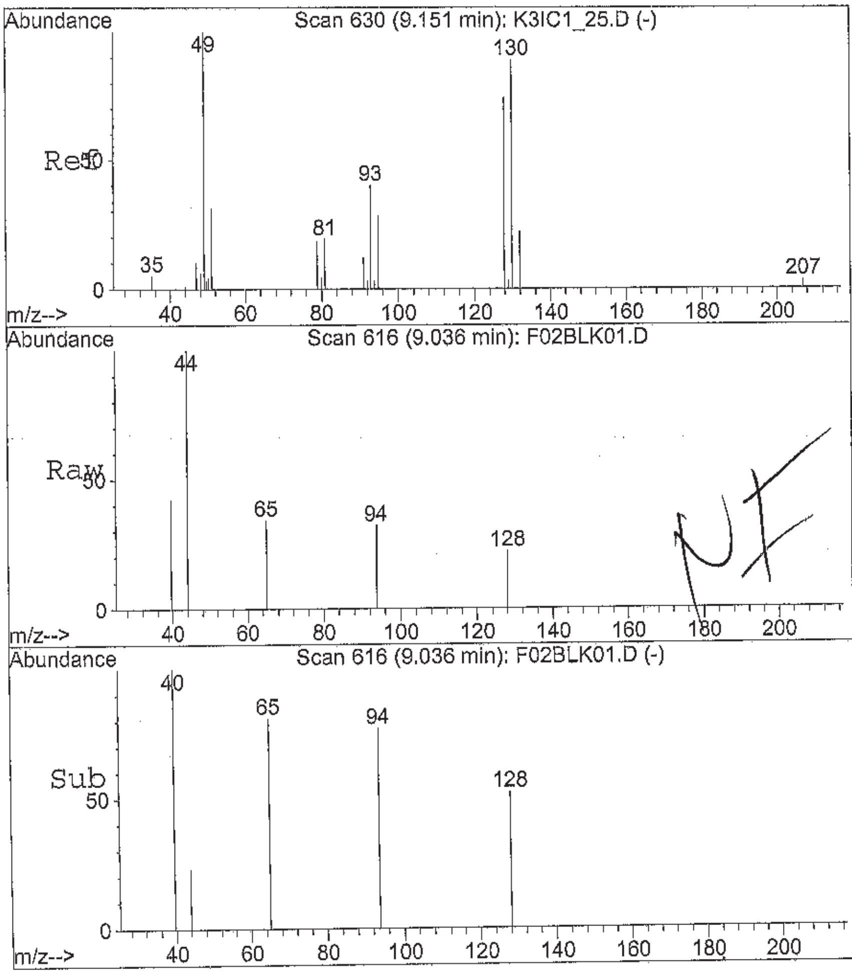


#22
(DIPE) Diisopropyl Ether
Concen: 0.03 ug/L
RT: 8.18 min Scan# 515
Delta R.T. 0.17 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 45 Resp: 345

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

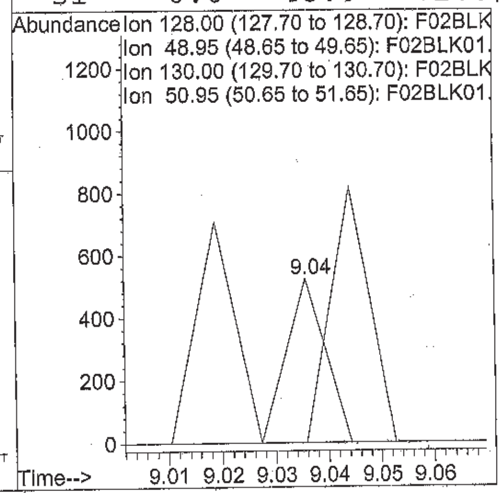


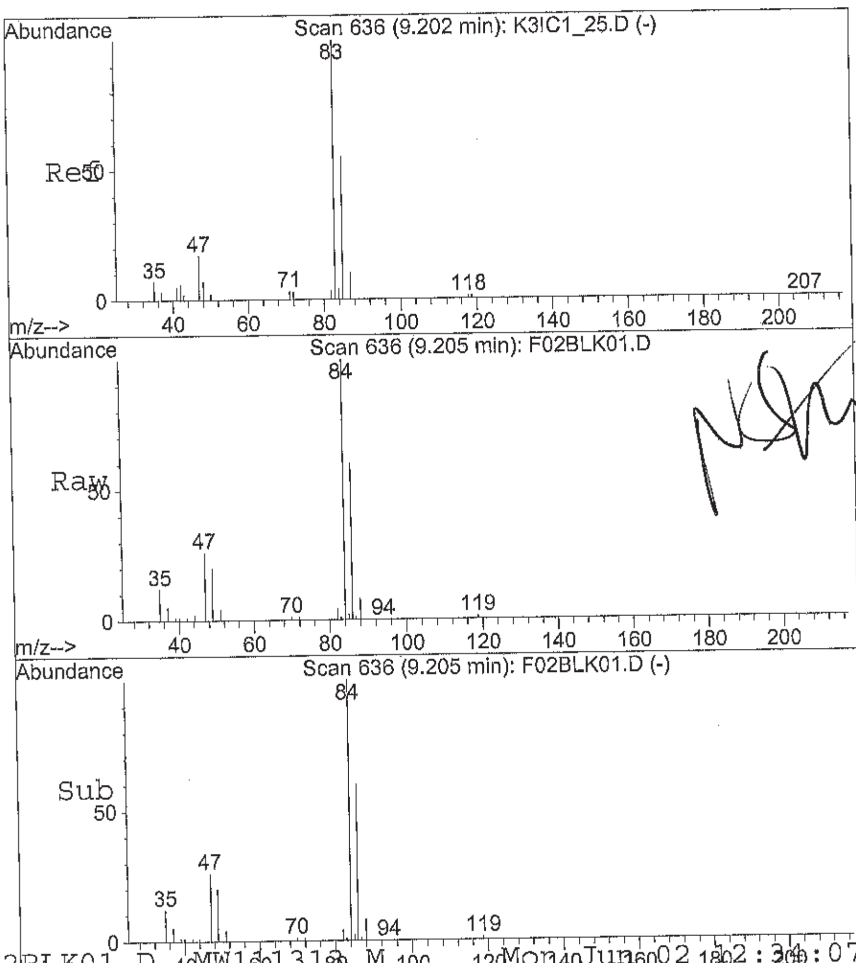


#23
Bromochloromethane
Concen: 0.12 ug/L
RT: 9.04 min Scan# 616
Delta R.T. -0.12 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:128 Resp: 265

Ion	Ratio	Lower	Upper
128	100		
49	0.0	117.4	176.0#
130	0.0	111.0	166.6#
51	0.0	48.0	72.0#

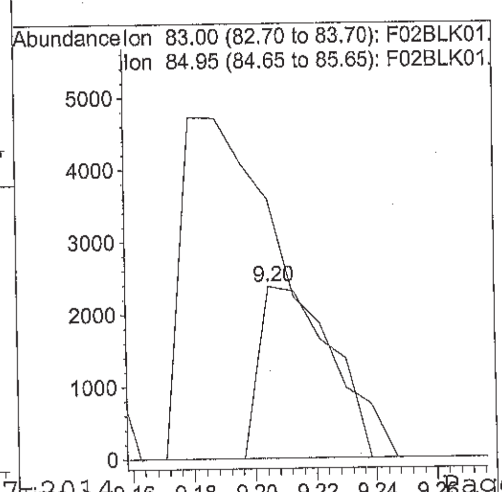


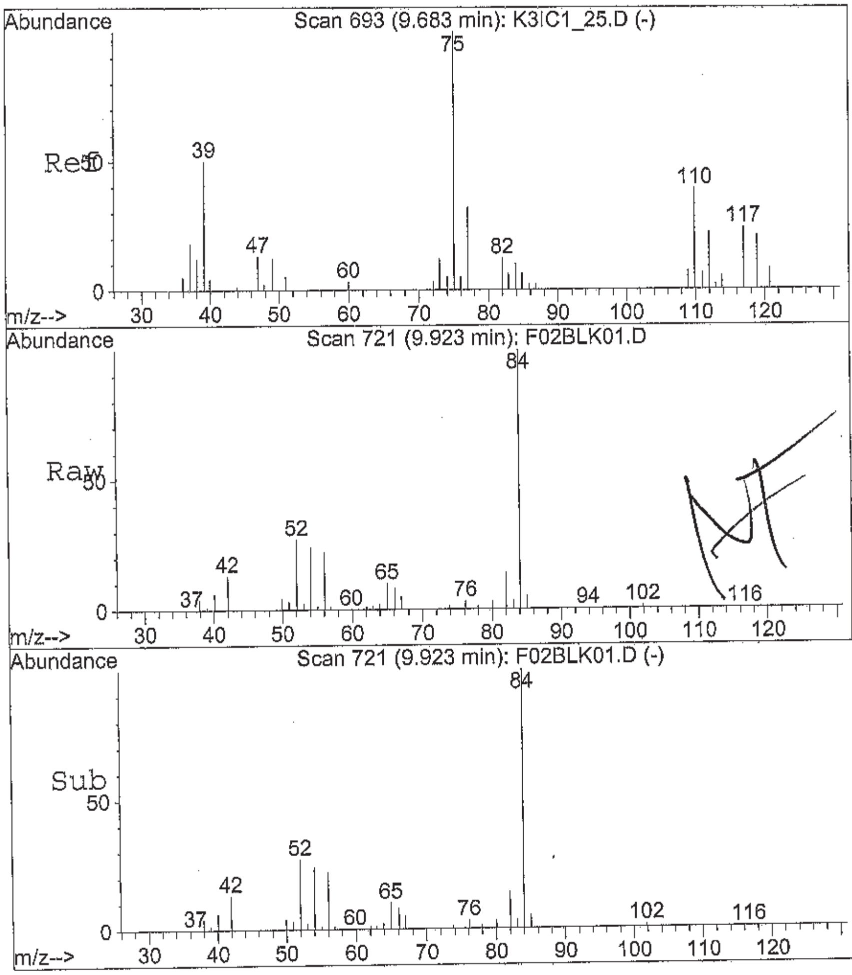


#24
Chloroform
Concen: 0.46 ug/L
RT: 9.20 min Scan# 636
Delta R.T. 0.00 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 83 Resp: 3903

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

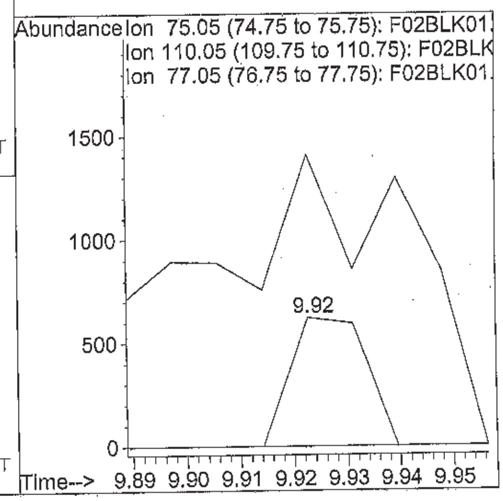


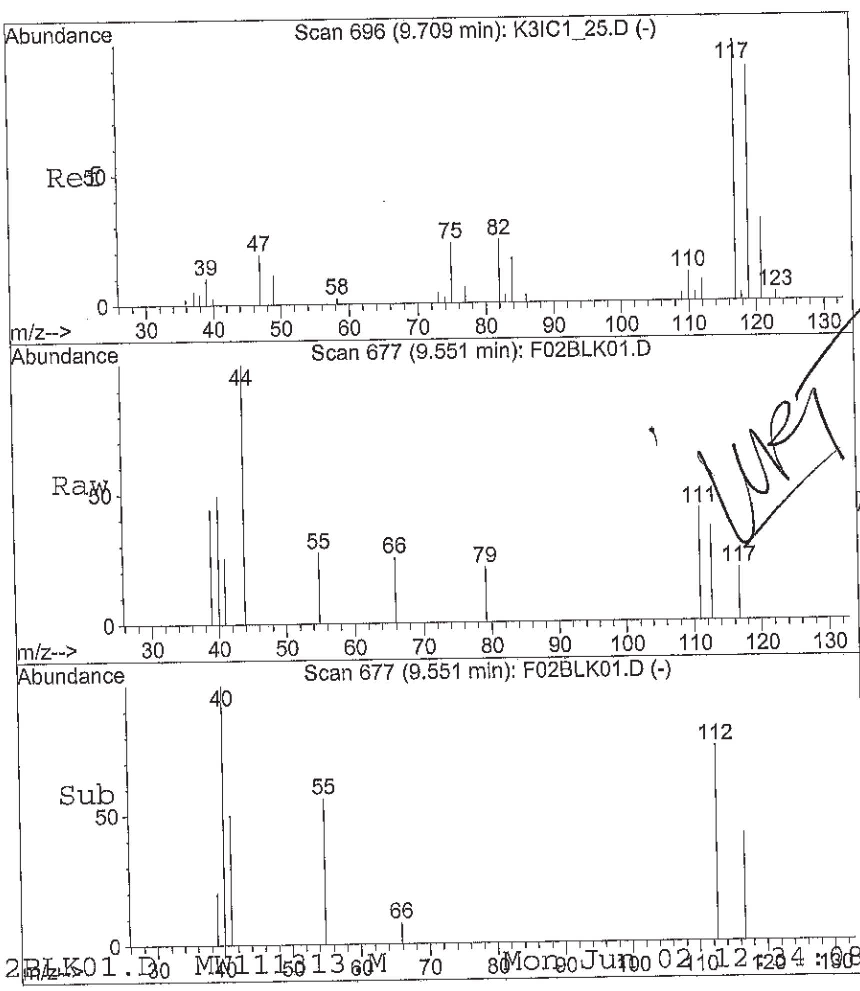


#29
1,1-Dichloropropene
Concen: 0.10 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.24 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 75 Resp: 615

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	631.4	25.0	37.4#

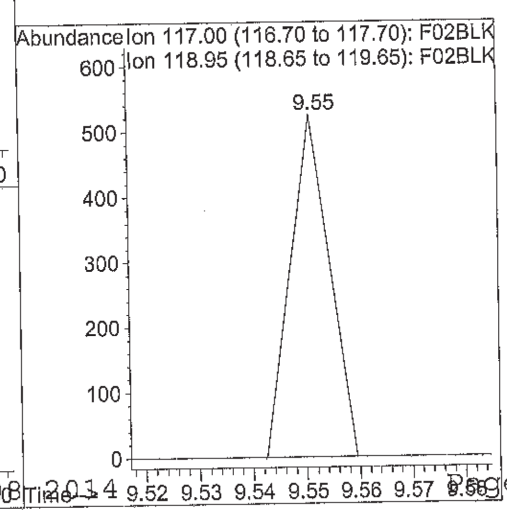


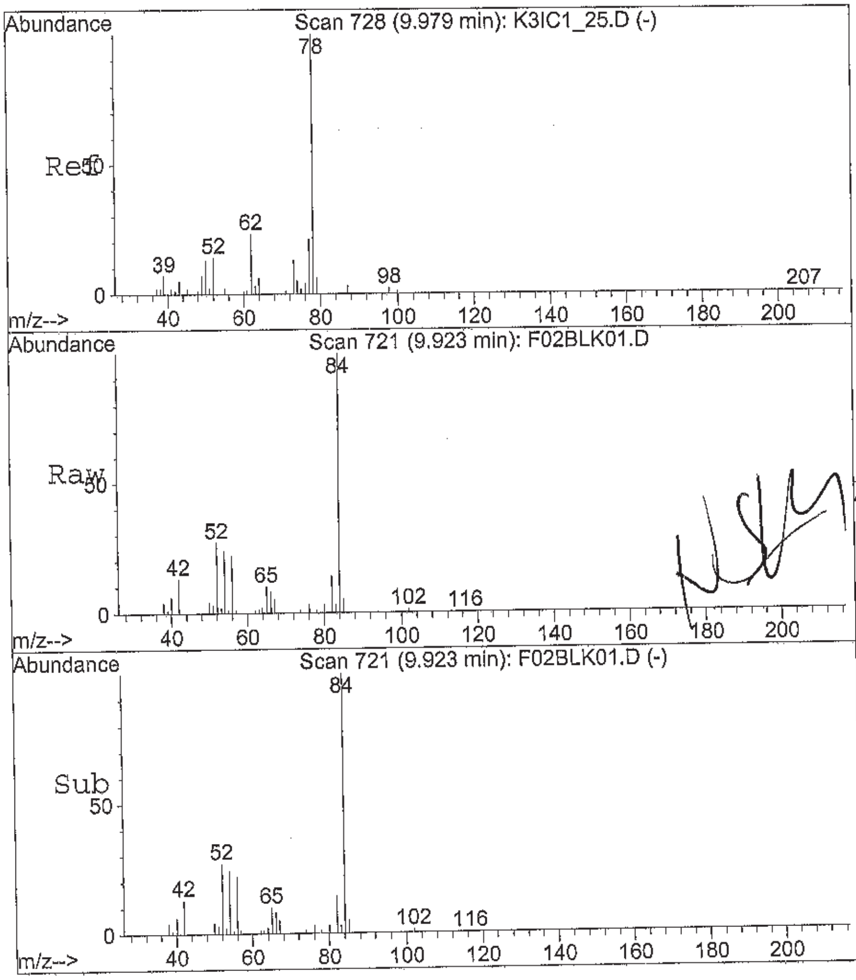


#30
Carbon Tetrachloride
Concen: 0.05 ug/L
RT: 9.55 min Scan# 677
Delta R.T. -0.16 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:117 Resp: 266

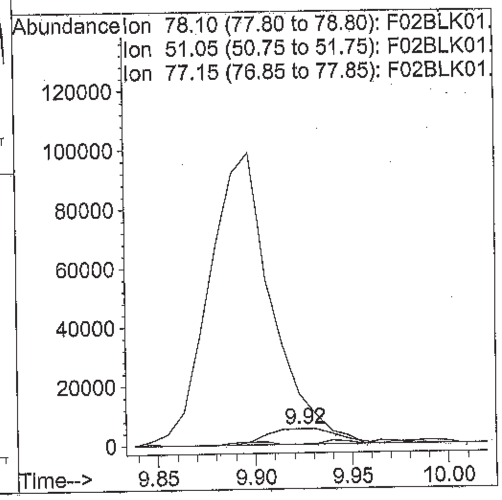
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#

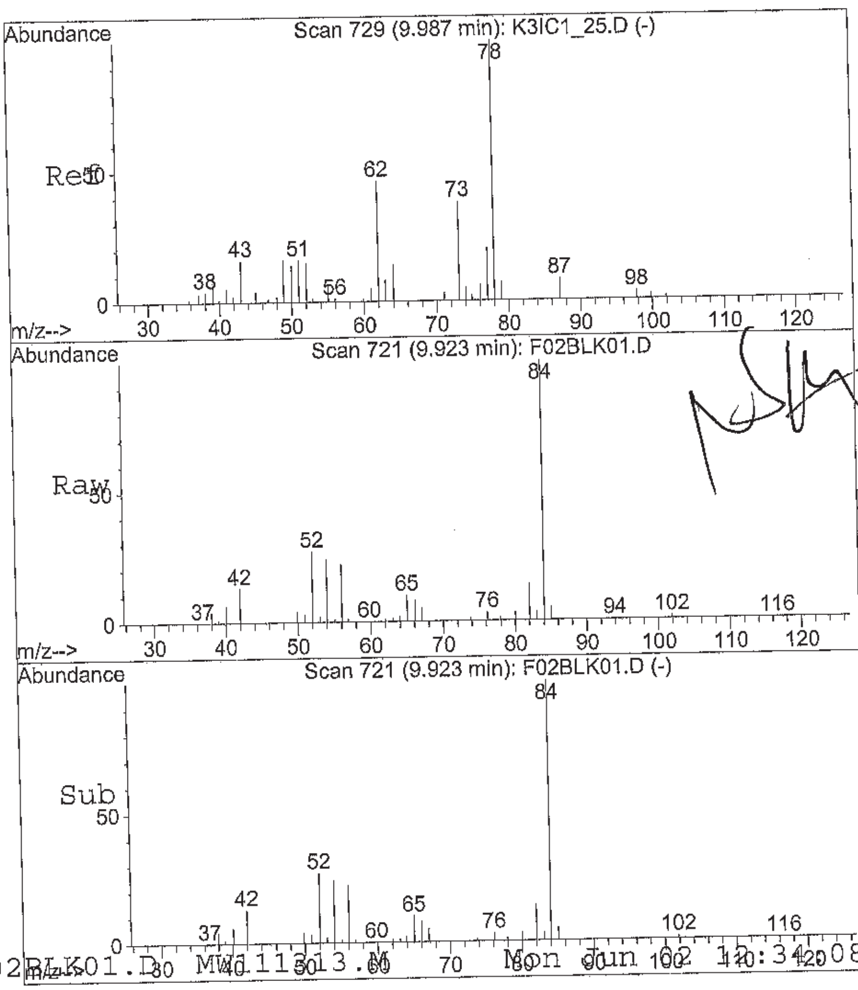




#31
Benzene
Concen: 0.85 ug/L
RT: 9.92 min   Scan# 721
Delta R.T.   -0.06 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

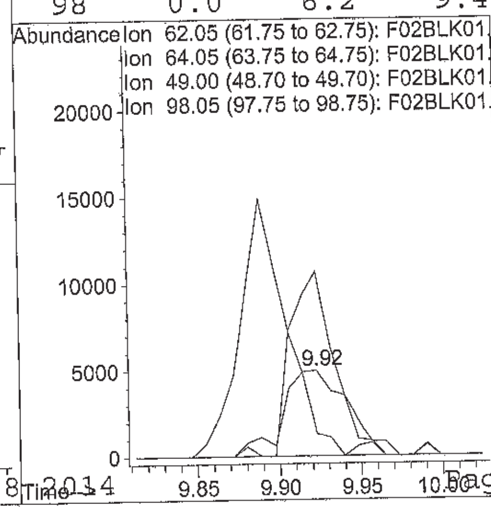
Tgt Ion: 78	Resp:		13039
Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	8.3	16.6	24.8#

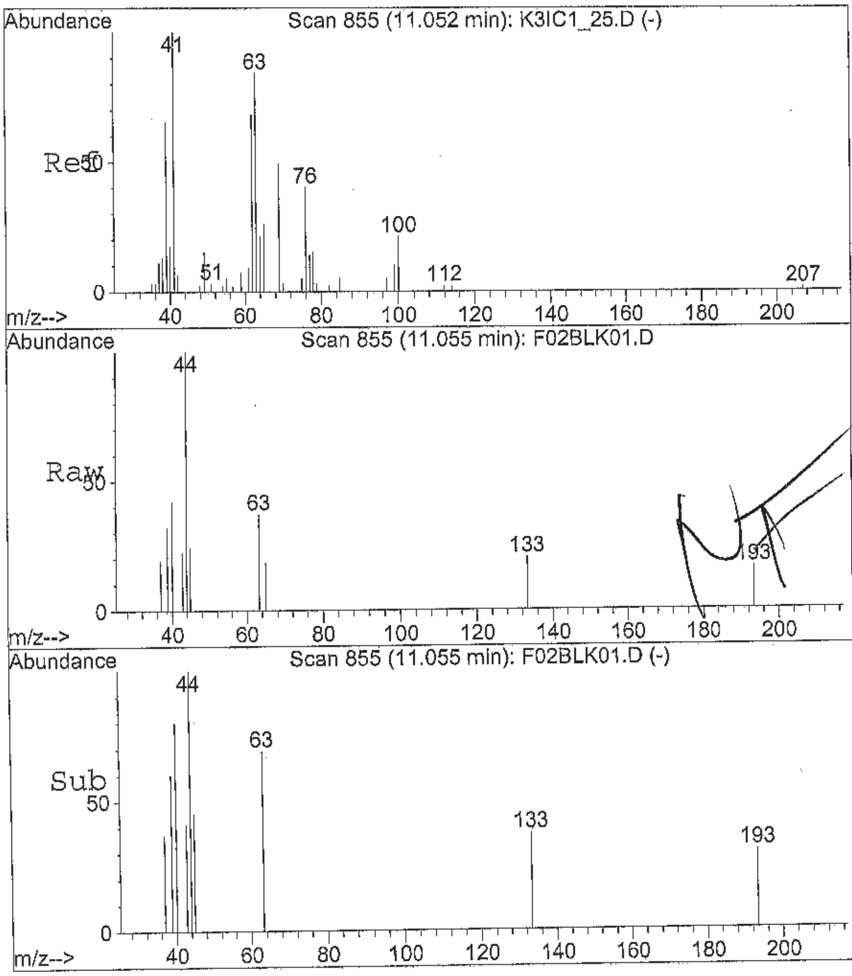




#32
1,2-Dichloroethane
Concen: 2.38 ug/L
RT: 9.92 min   Scan# 721
Delta R.T.   -0.06 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 62	Resp:		12933
Ion	Ratio	Lower	Upper
62	100		
64	160.2	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

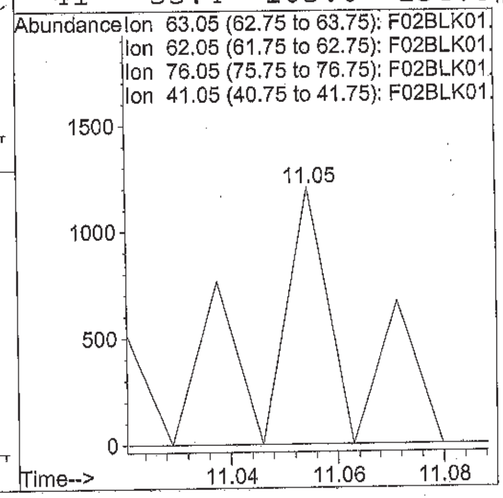


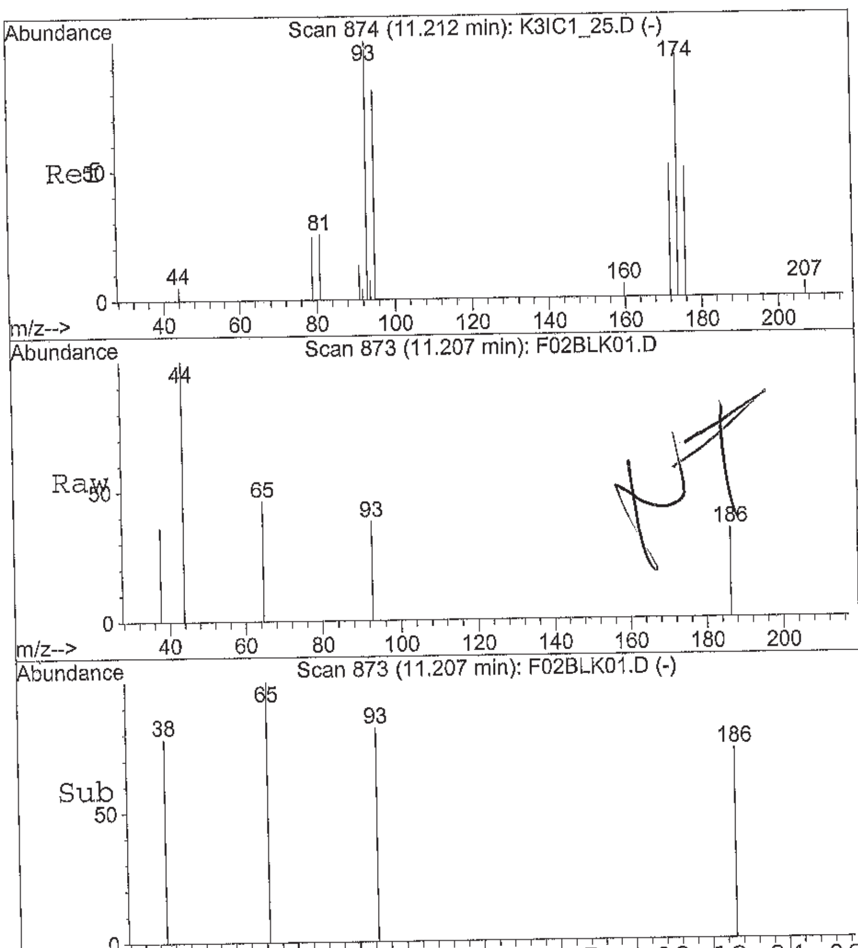


#34
1,2-Dichloropropane
Concen: 0.17 ug/L
RT: 11.05 min Scan# 855
Delta R.T. 0.00 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 63 Resp: 610

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	55.4	103.0	154.6#

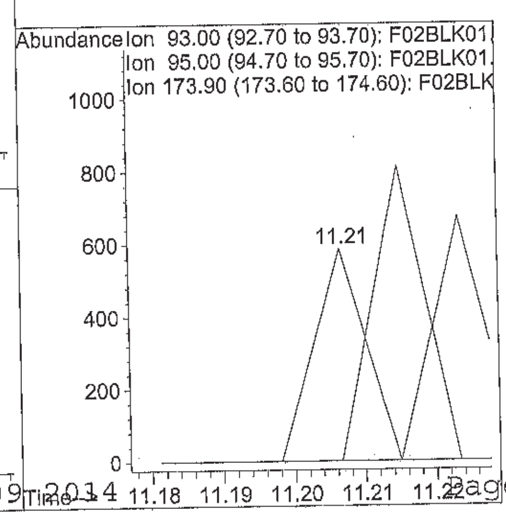


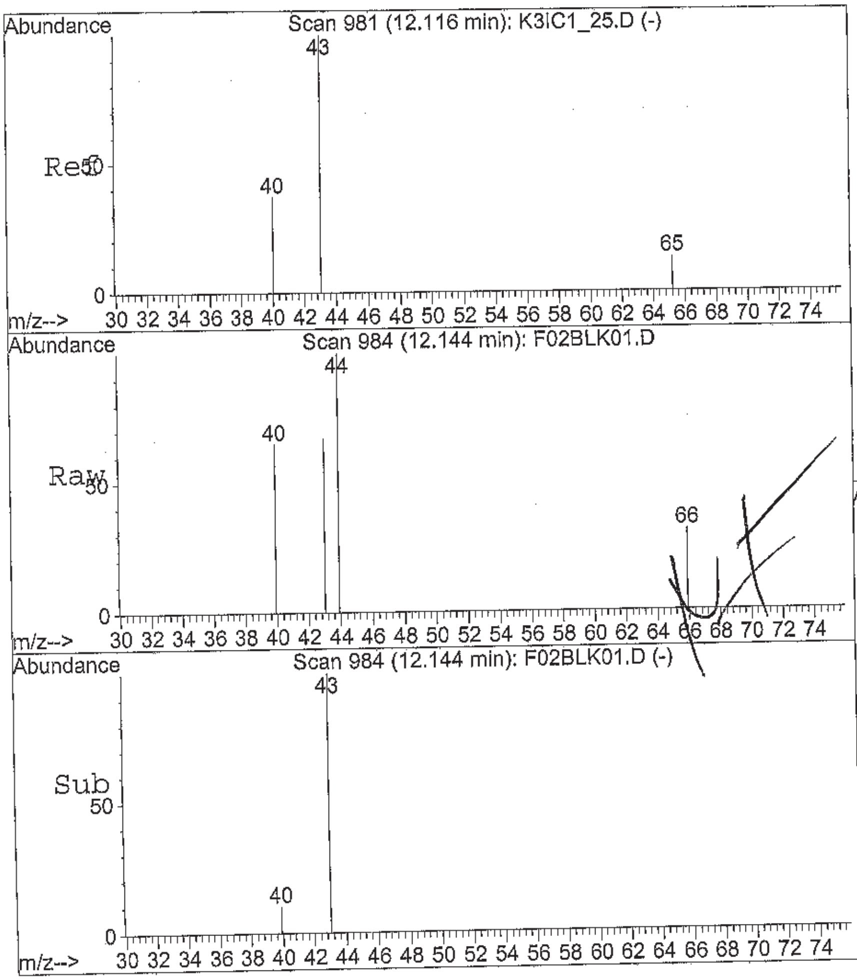


#35
Dibromomethane
Concen: 0.10 ug/L
RT: 11.21 min Scan# 873
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 93 Resp: 297

Ion	Ratio	Lower	Upper
93	100		
95	138.4	66.2	99.2#
174	0.0	75.5	113.3#

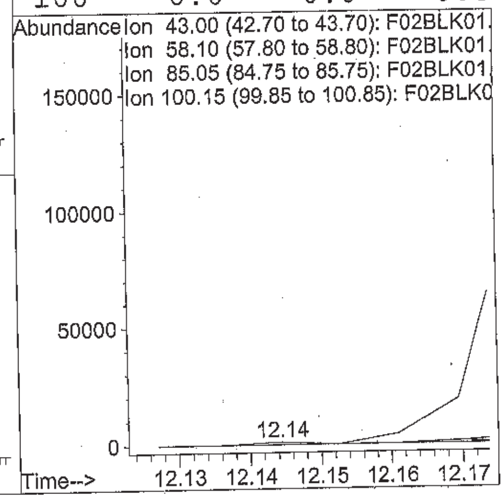


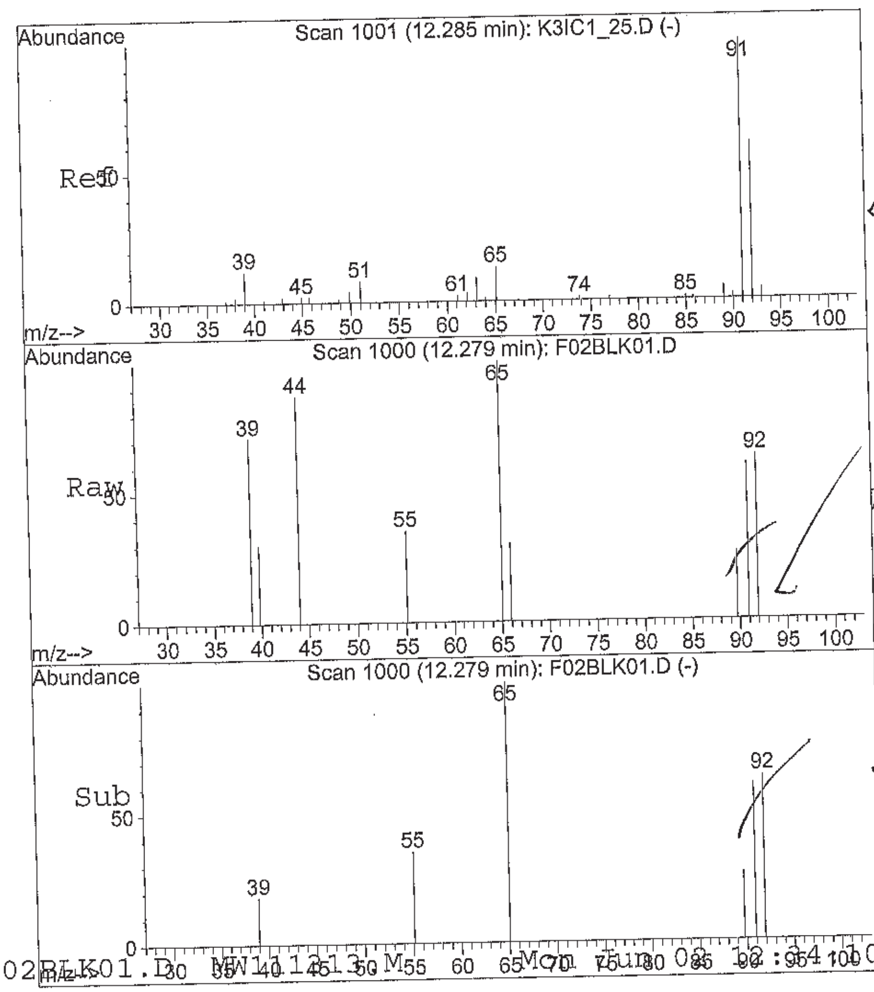


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.19 ug/L
RT: 12.14 min Scan# 984
Delta R.T. 0.03 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 43 Resp: 568

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

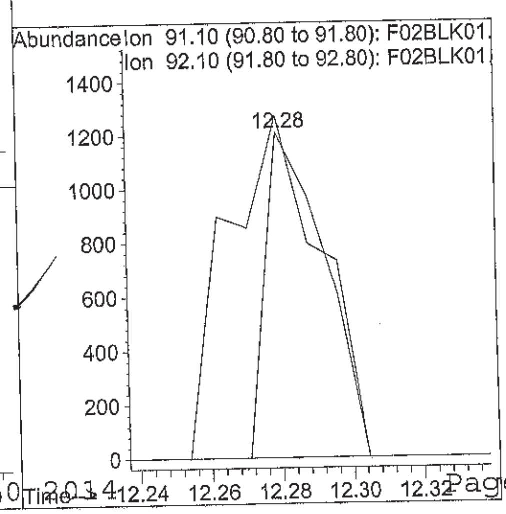


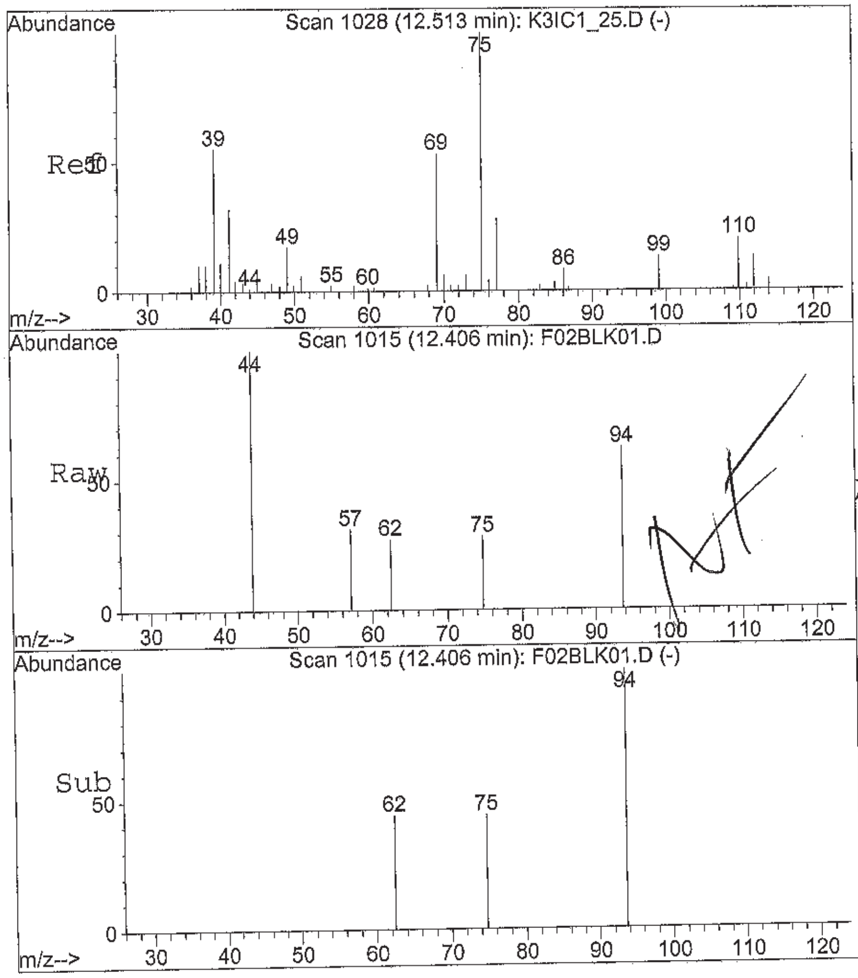


#41
Toluene
Concen: 0.07 ug/L
RT: 12.28 min Scan# 1000
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 91 Resp: 1411

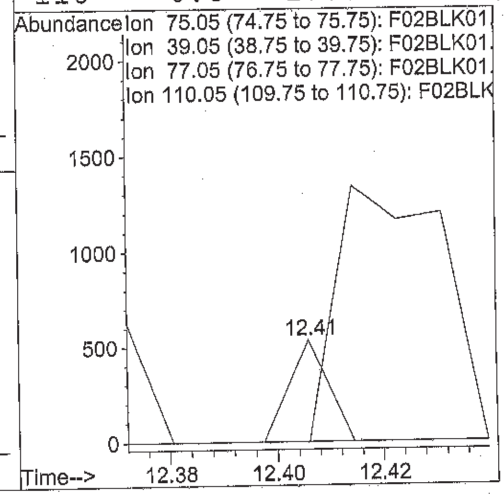
Ion	Ratio	Lower	Upper
91	100		
92	163.1	47.4	71.0#

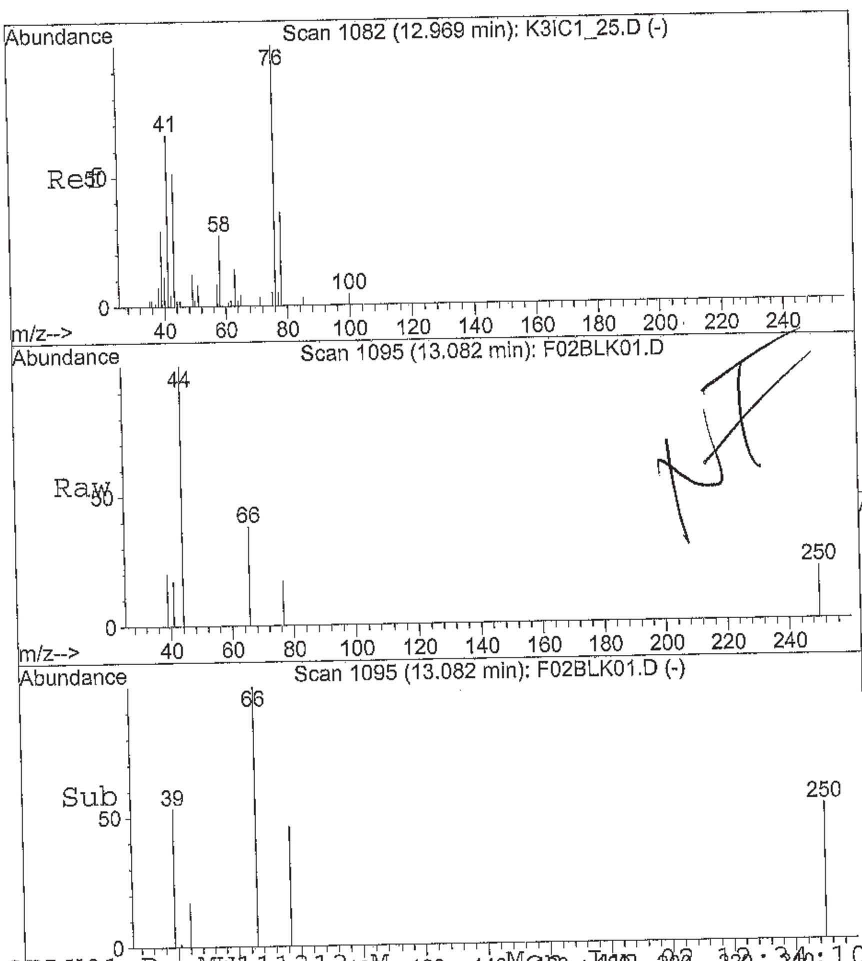




#42
trans-1,3-Dichloropropene
Concen: 0.04 ug/L
RT: 12.41 min Scan# 1015
Delta R.T. -0.11 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

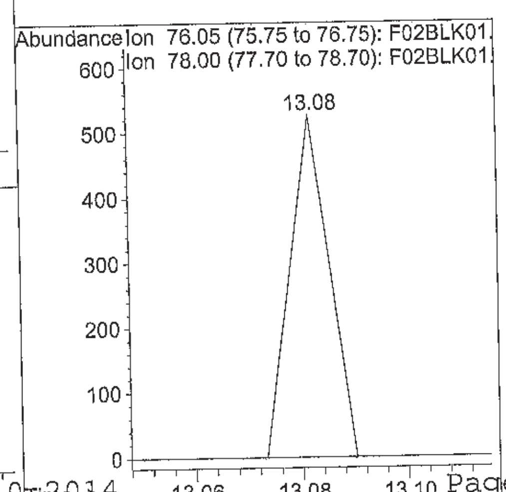
Tgt Ion: 75	Resp:		270
Ion	Ratio	Lower	Upper
75	100		
39	823.7	53.6	80.4#
77	0.0	25.4	38.2#
110	0.0	17.6	26.4#

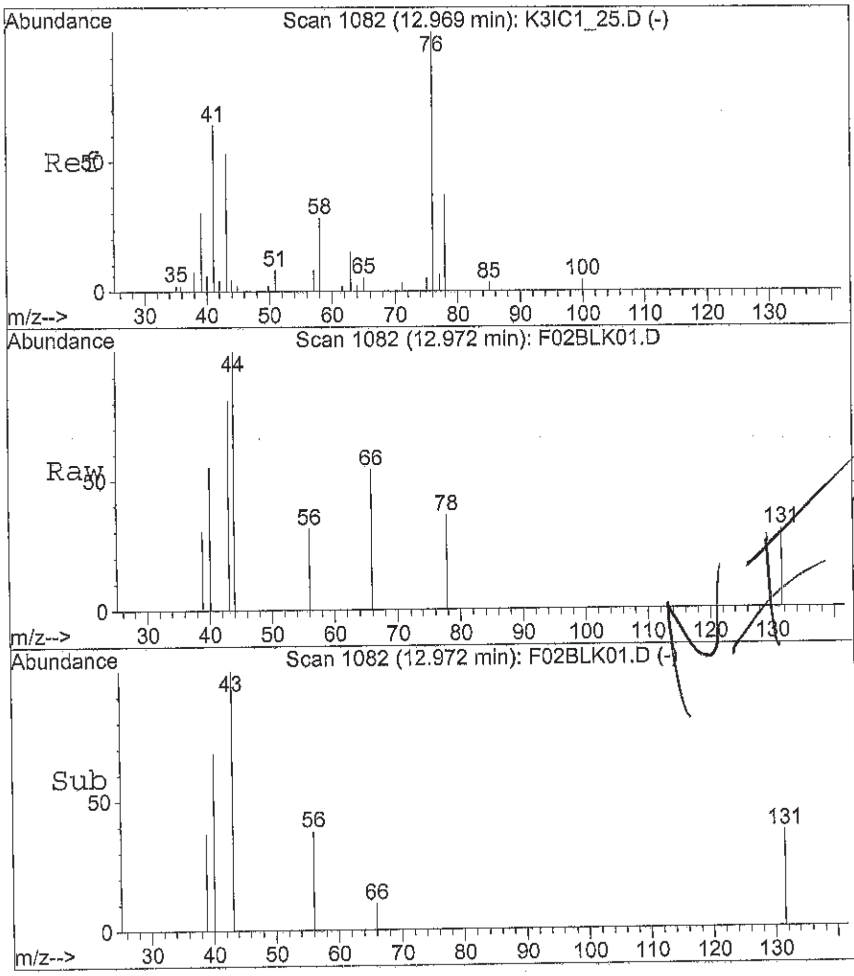




#45
1,3-Dichloropropane
Concen: 0.04 ug/L
RT: 13.08 min Scan# 1095
Delta R.T. 0.11 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 76	Resp:		267
Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.9	40.3#

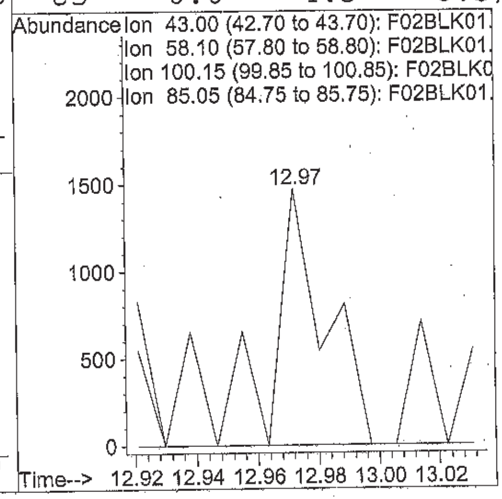


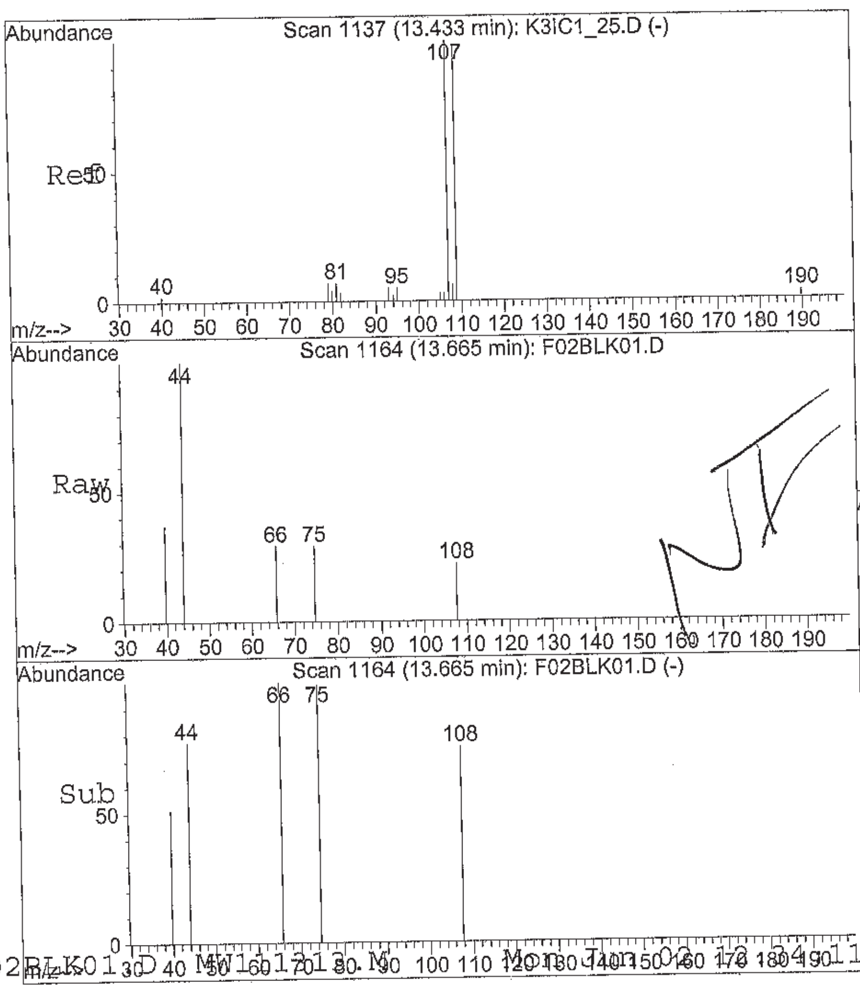


#46
2-Hexanone
Concen: 0.55 ug/L
RT: 12.97 min Scan# 1082
Delta R.T. 0.00 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 43 Resp: 1763

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

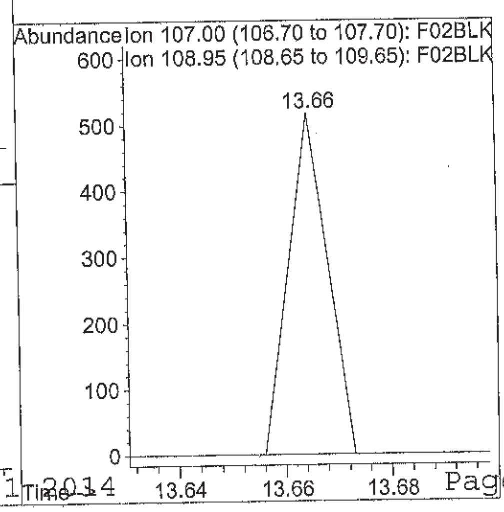


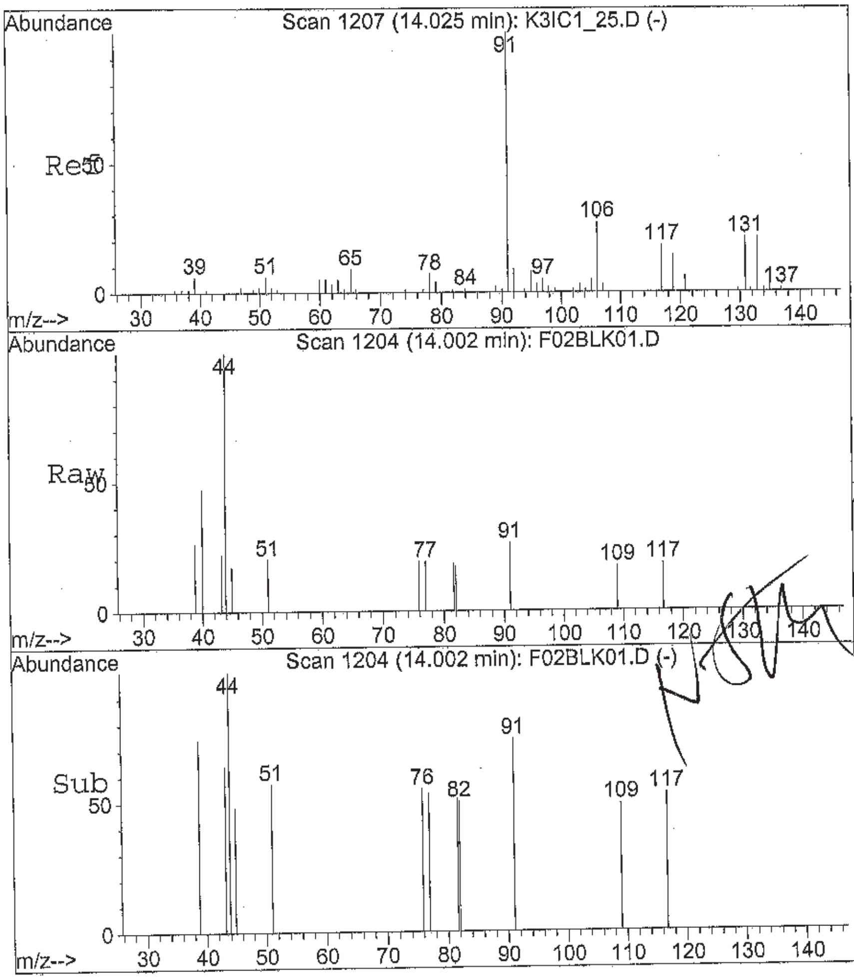


#48
1,2-Dibromoethane
Concen: 0.06 ug/L
RT: 13.66 min Scan# 1164
Delta R.T. 0.23 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:107 Resp: 262

Ion	Ratio	Lower	Upper
107	100		
109	0.0	74.4	111.6#

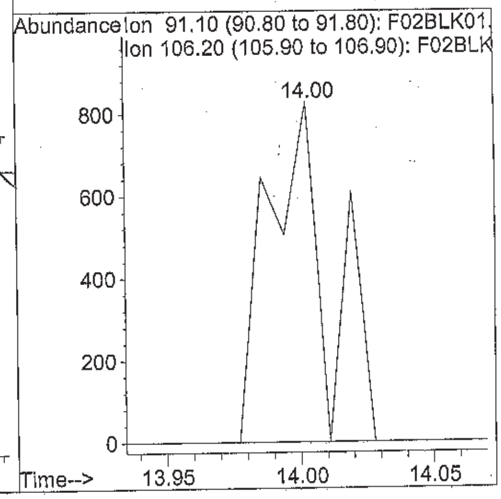


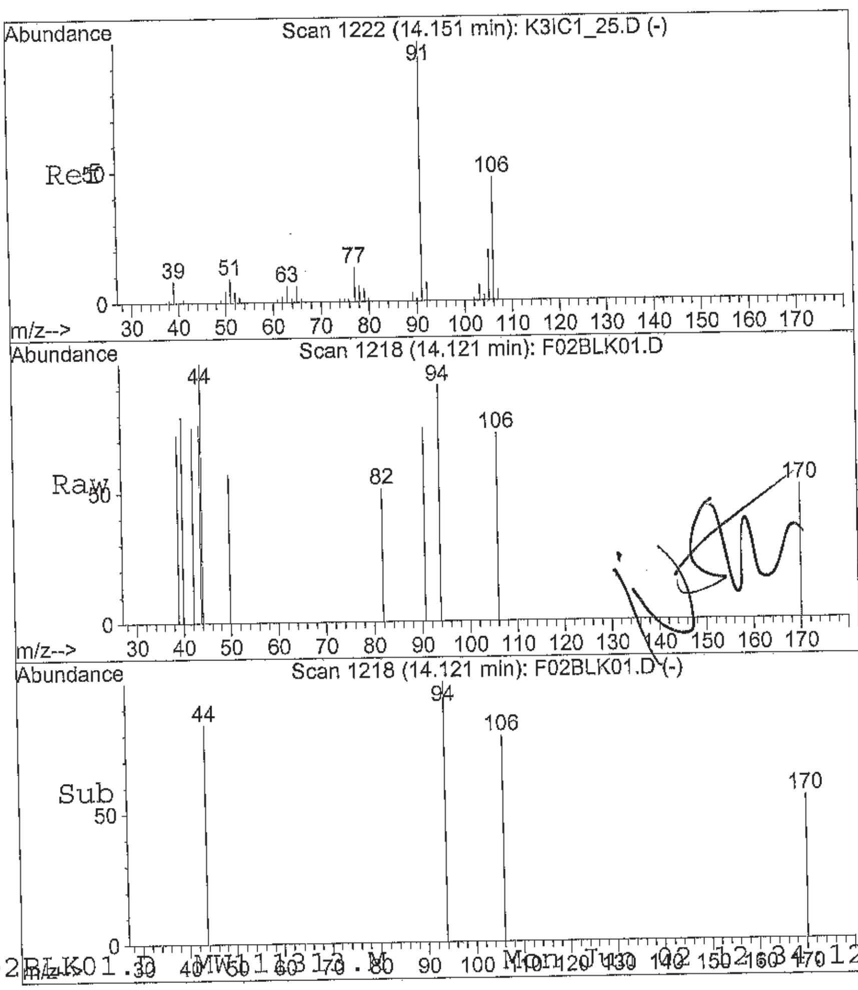


#51
Ethylbenzene
Concen: 0.06 ug/L
RT: 14.00 min Scan# 1204
Delta R.T. -0.02 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 91 Resp: 1311

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

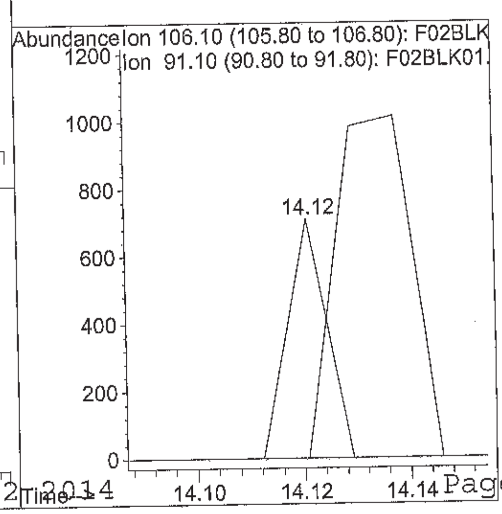


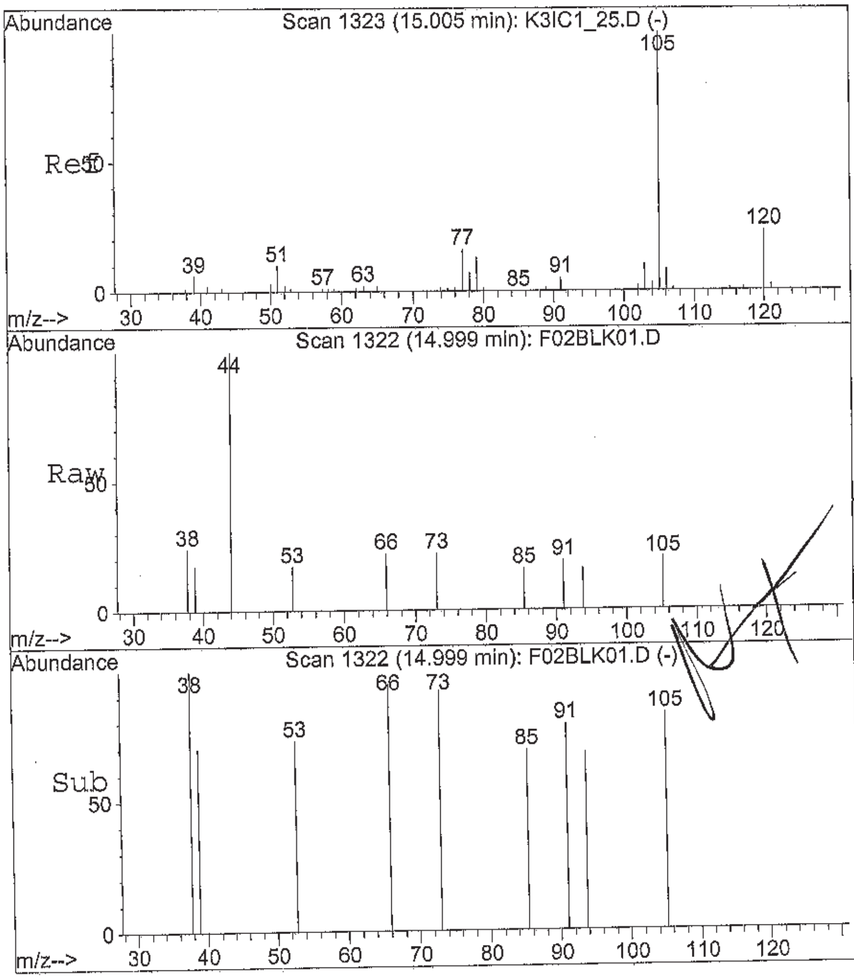


#52
m,p-Xylenes
Concen: 0.04 ug/L
RT: 14.12 min Scan# 1218
Delta R.T. -0.03 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:106 Resp: 359

Ion	Ratio	Lower	Upper
106	100		
91	281.9	177.1	265.7#

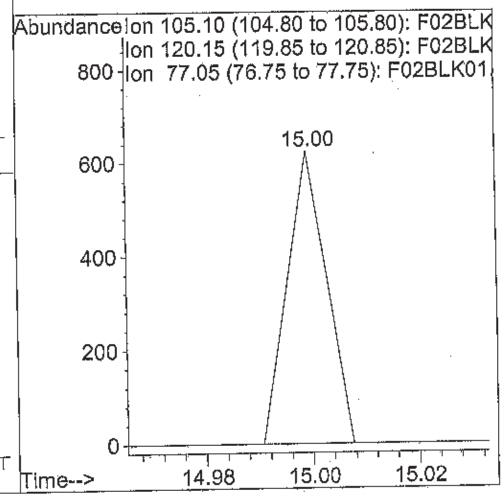


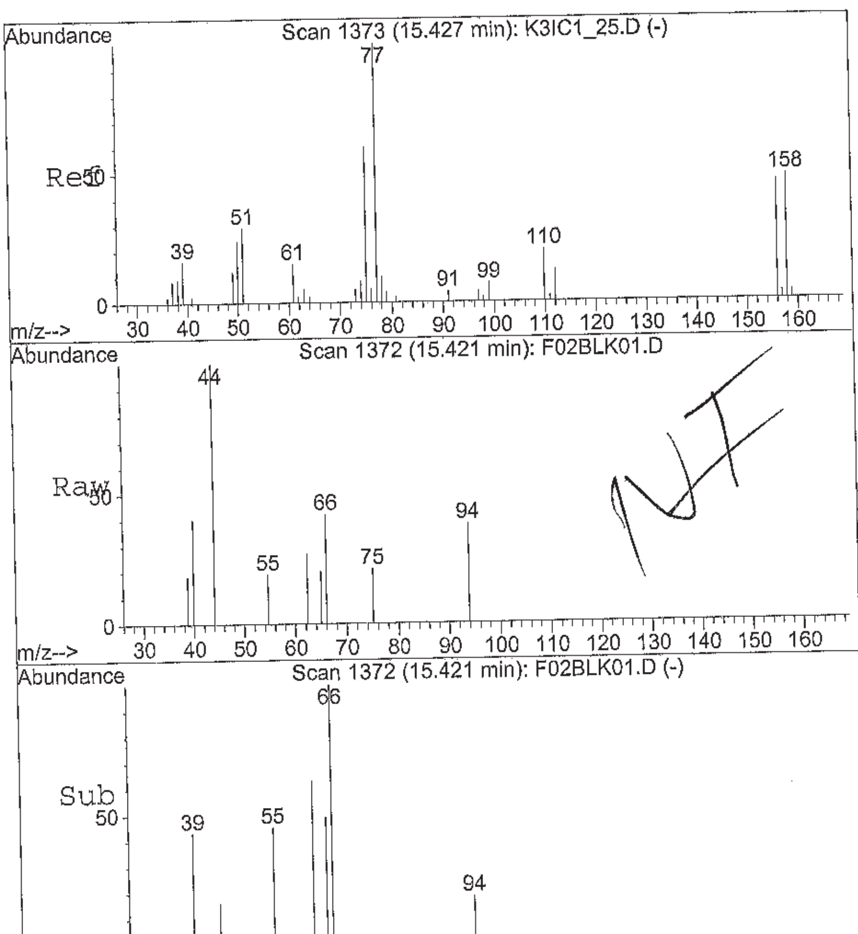


#56
Isopropylbenzene
Concen: 0.01 ug/L
RT: 15.00 min Scan# 1322
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:105 Resp: 316

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

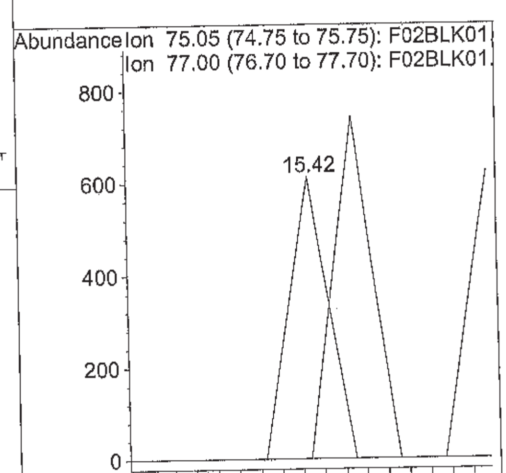


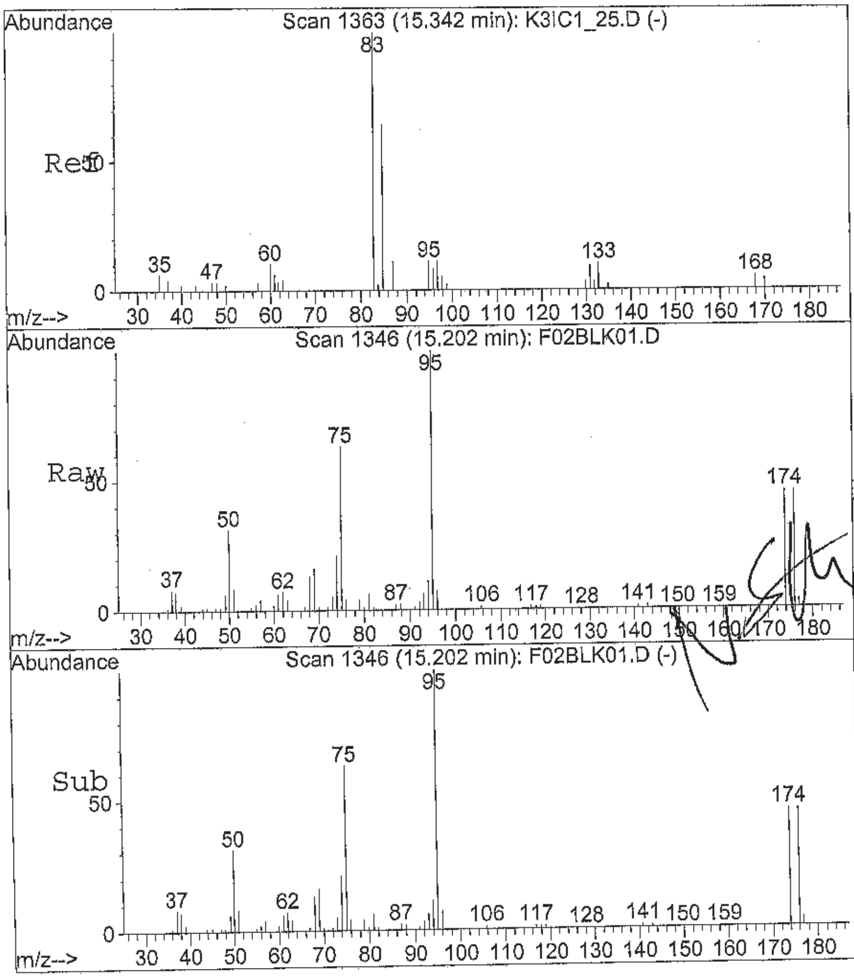


#57
1,2,3-Trichloropropane
Concen: 0.05 ug/L
RT: 15.42 min Scan# 1372
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 75 Resp: 310

Ion	Ratio	Lower	Upper
75	100		
77	121.3	31.2	46.8#

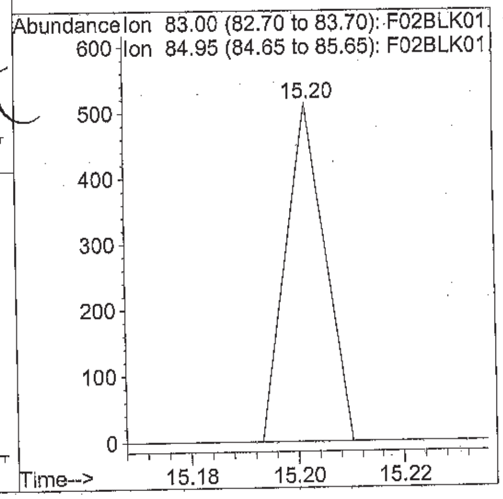


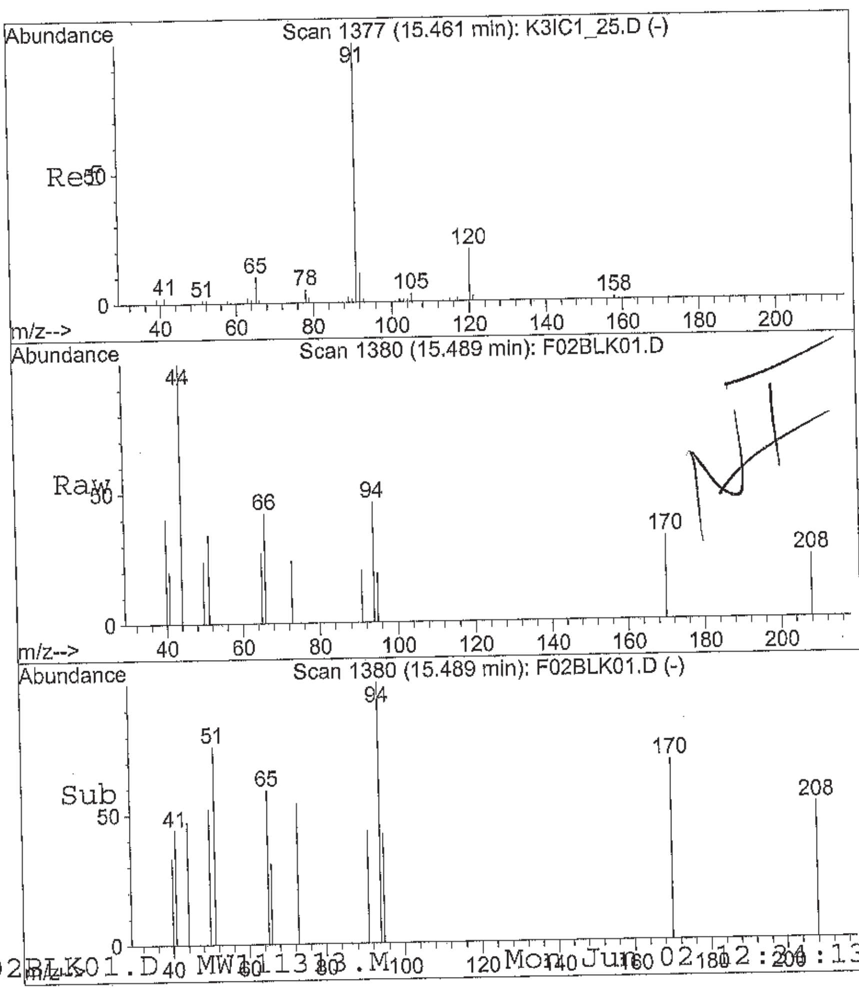


#60
1,1,2,2-Tetrachloroethane
Concen: 0.05 ug/L
RT: 15.20 min Scan# 1346
Delta R.T. -0.14 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 83 Resp: 260

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.2	76.8#

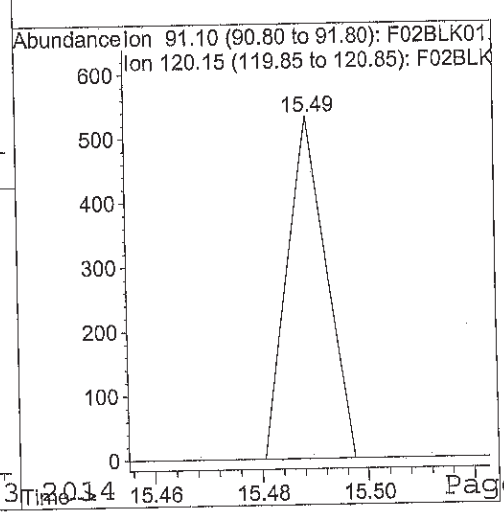


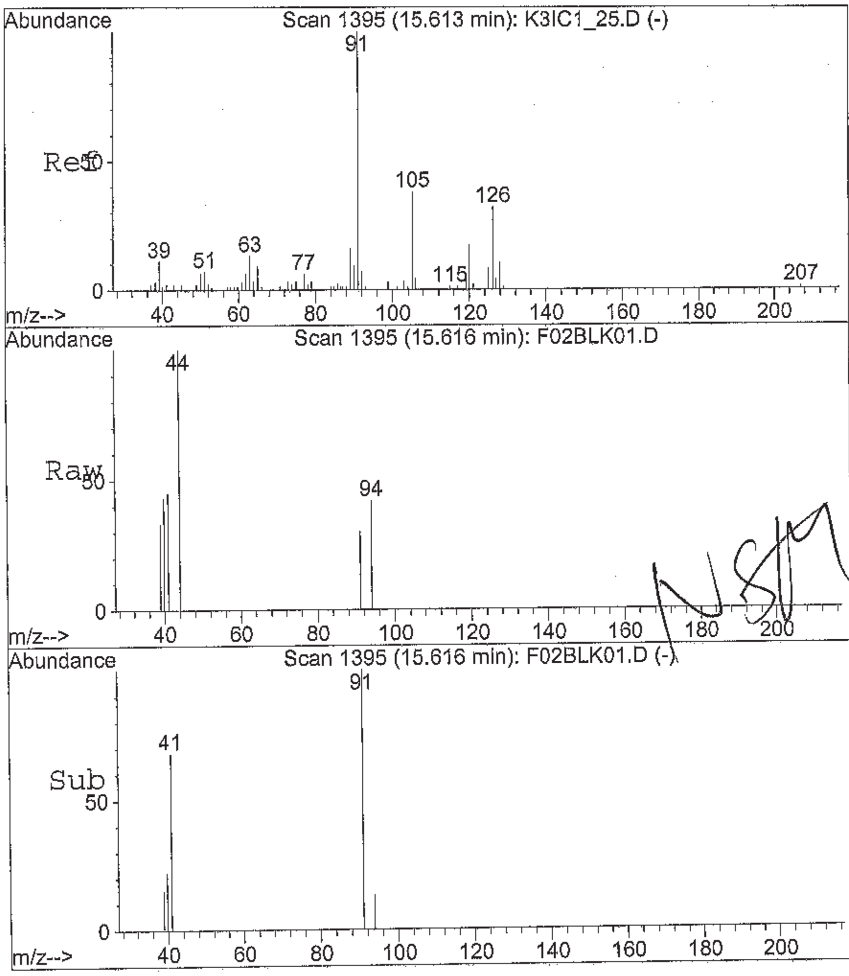


#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.49 min Scan# 1380
Delta R.T. 0.03 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 91 Resp: 270

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

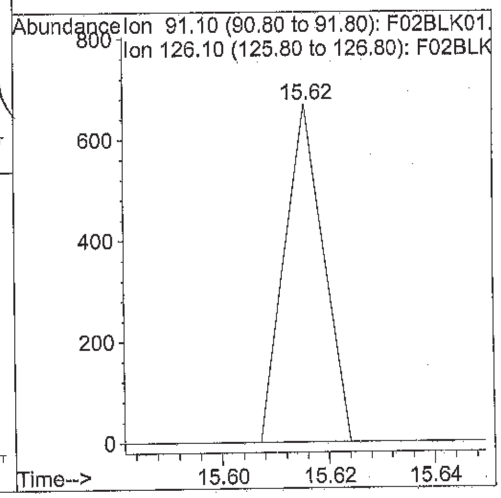


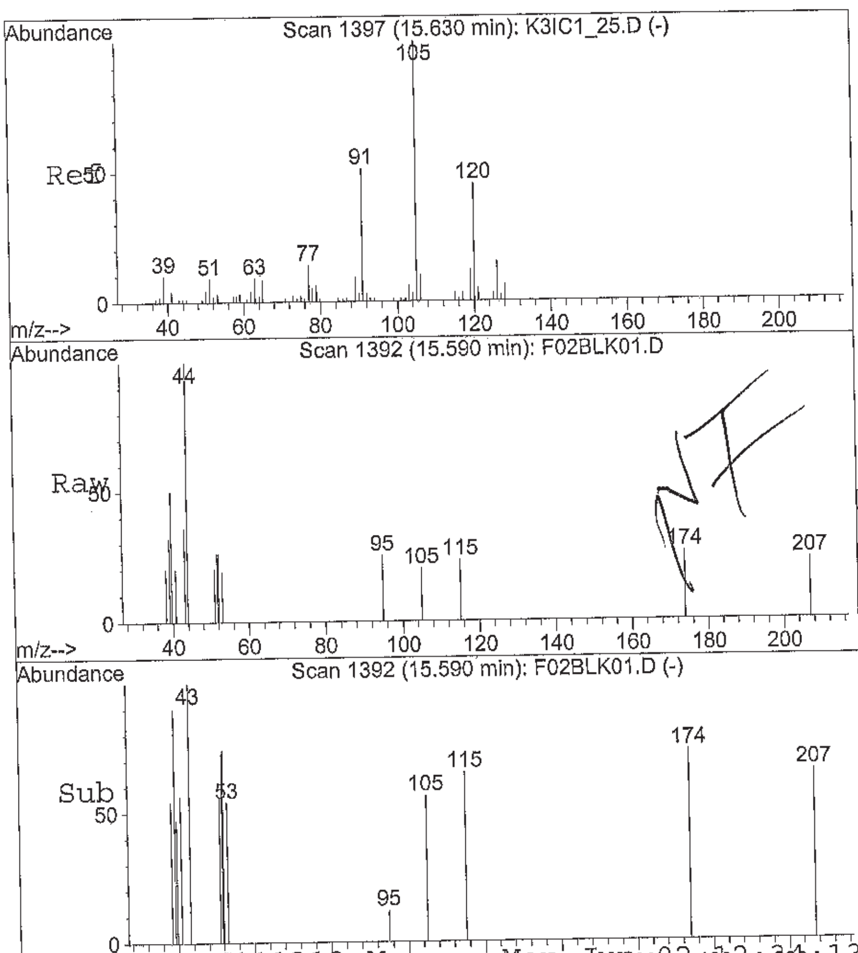


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1395
Delta R.T. 0.00 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 91 Resp: 339

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

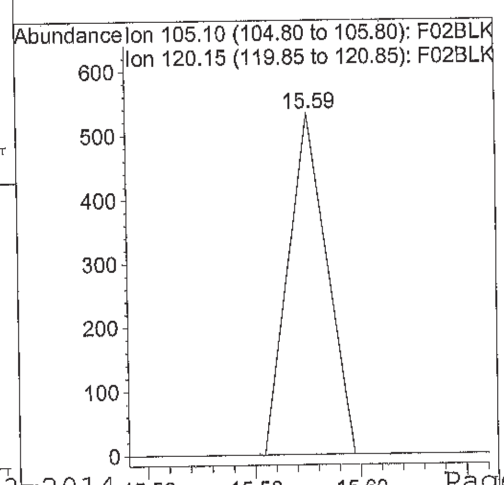


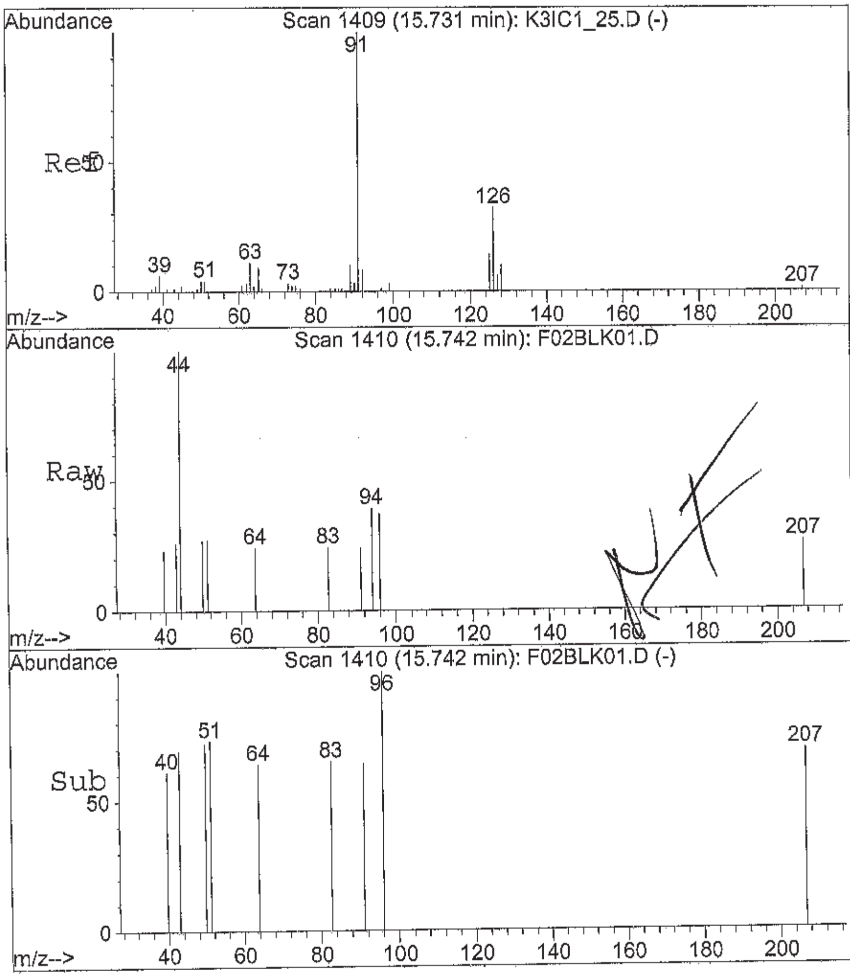


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.59 min Scan# 1392
Delta R.T. -0.04 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:105 Resp: 270

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

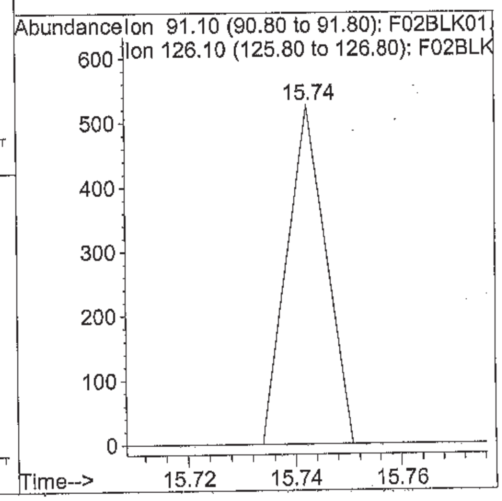


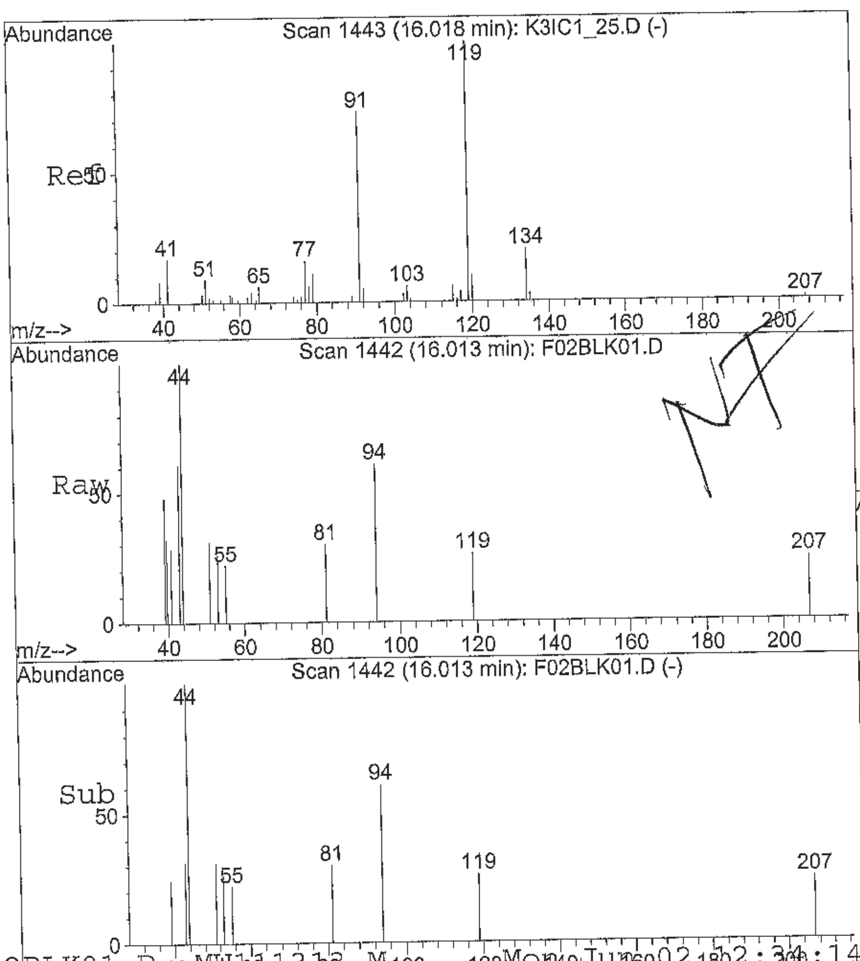


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.74 min Scan# 1410
Delta R.T. 0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 91 Resp: 267

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

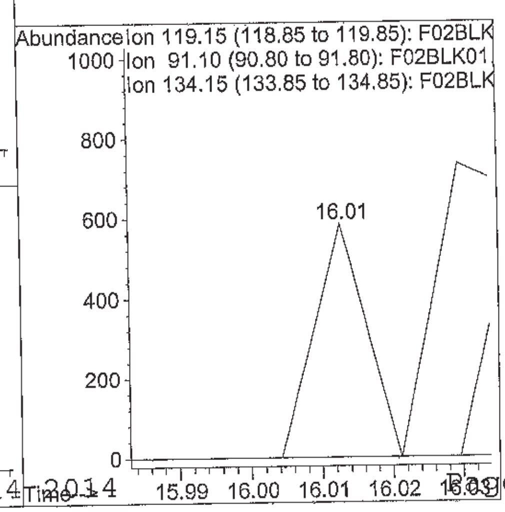


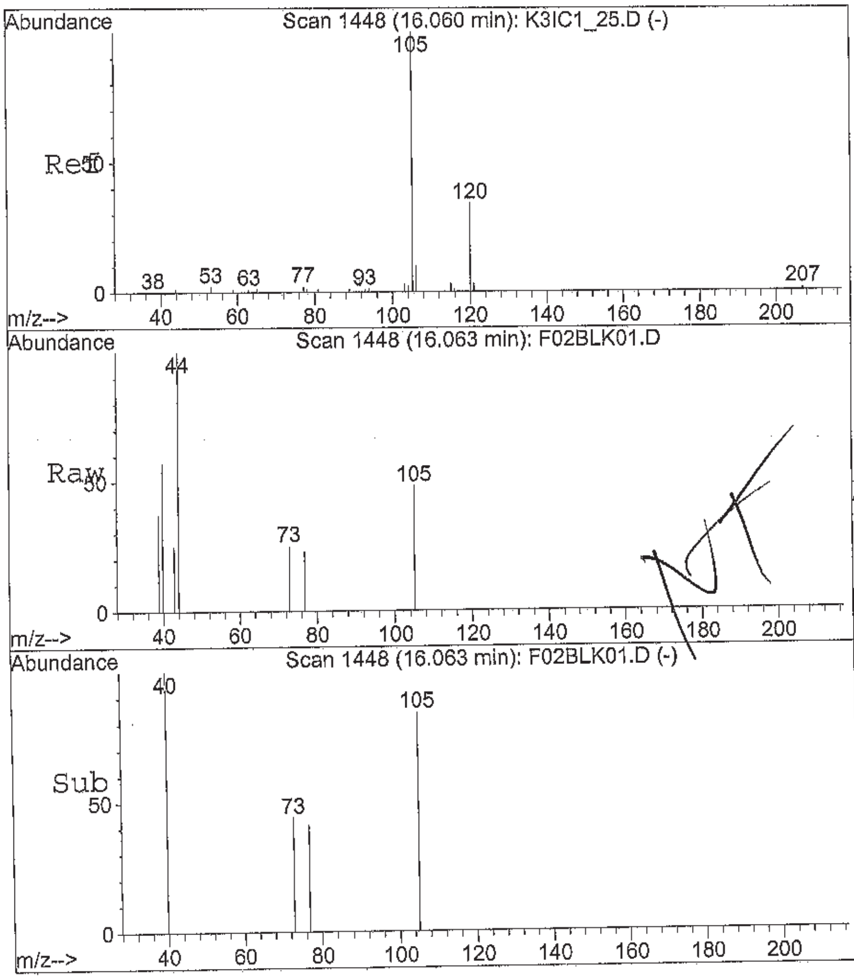


#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.01 min Scan# 1442
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:119 Resp: 296

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

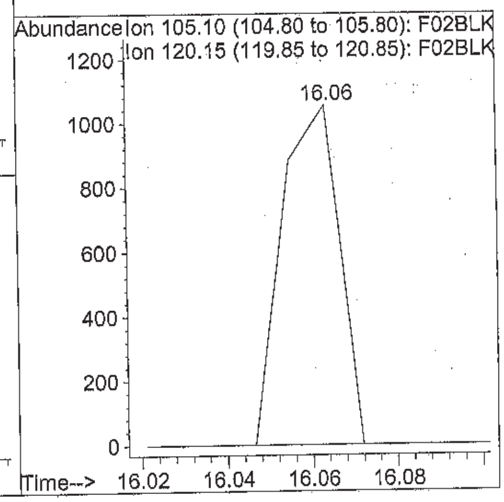


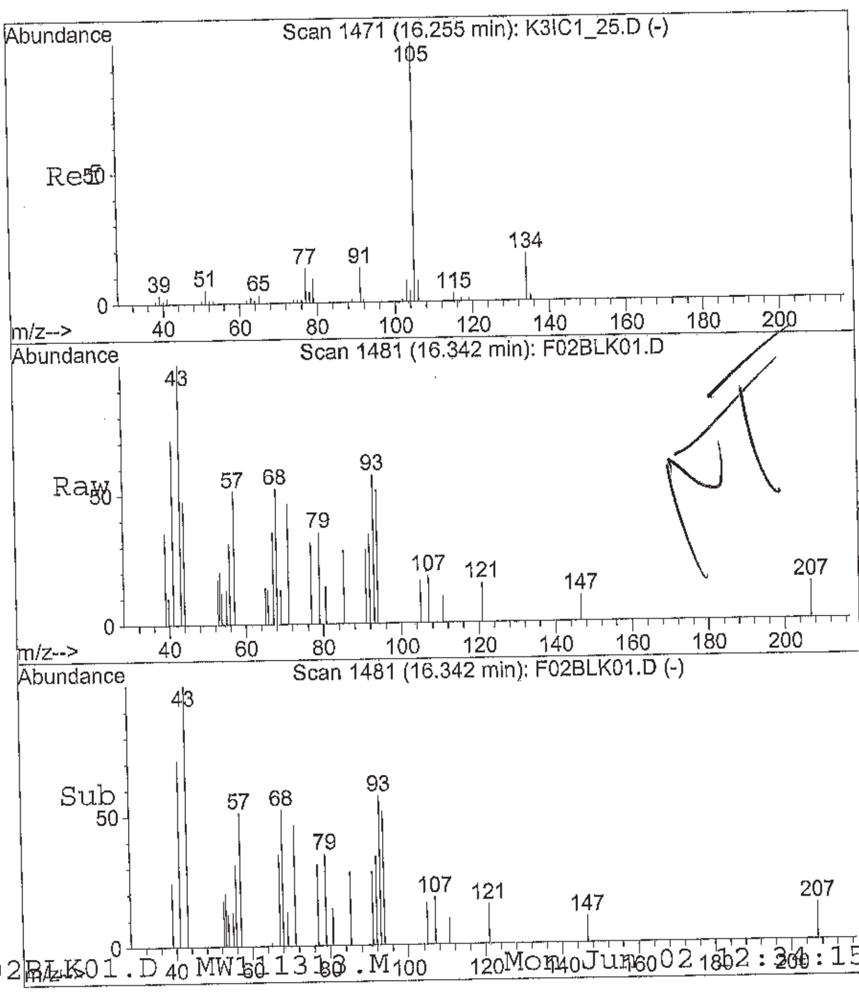


#67
1,2,4-Trimethylbenzene
Concen: 0.05 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. 0.00 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:105 Resp: 982

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

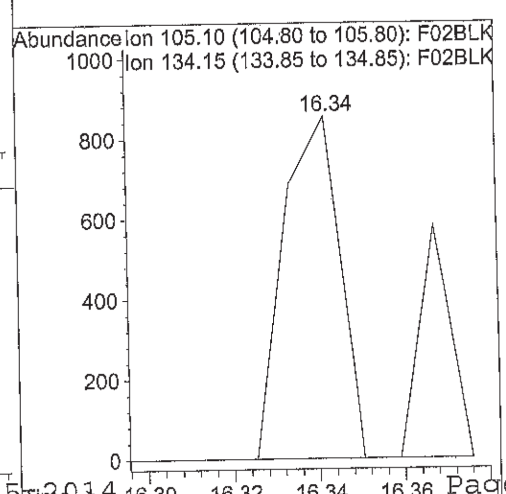


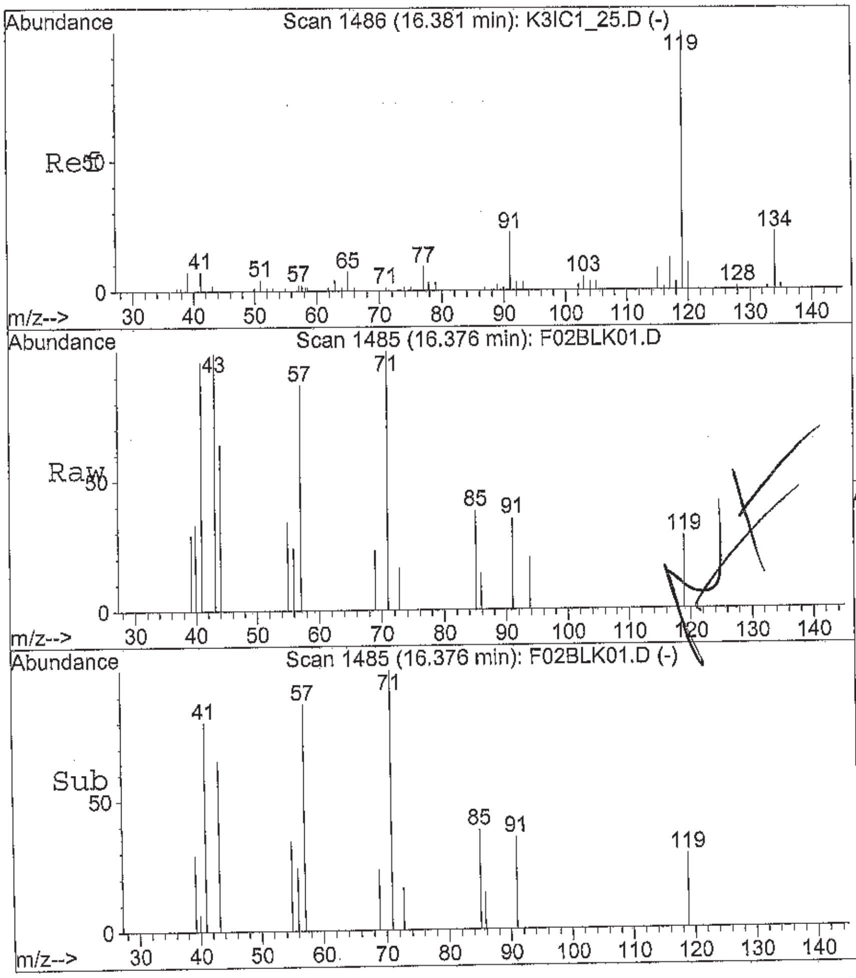


#68
sec-Butylbenzene
Concen: 0.03 ug/L
RT: 16.34 min Scan# 1481
Delta R.T. 0.09 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:105 Resp: 780

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

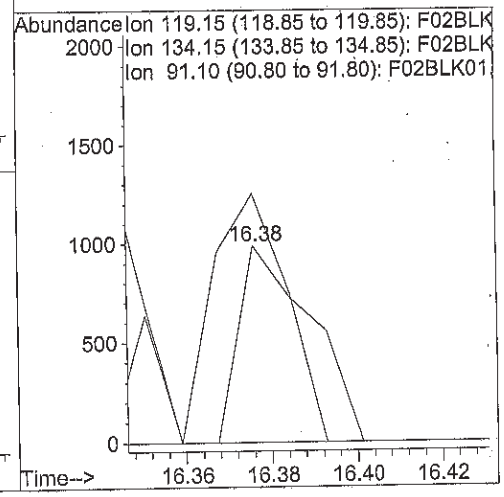


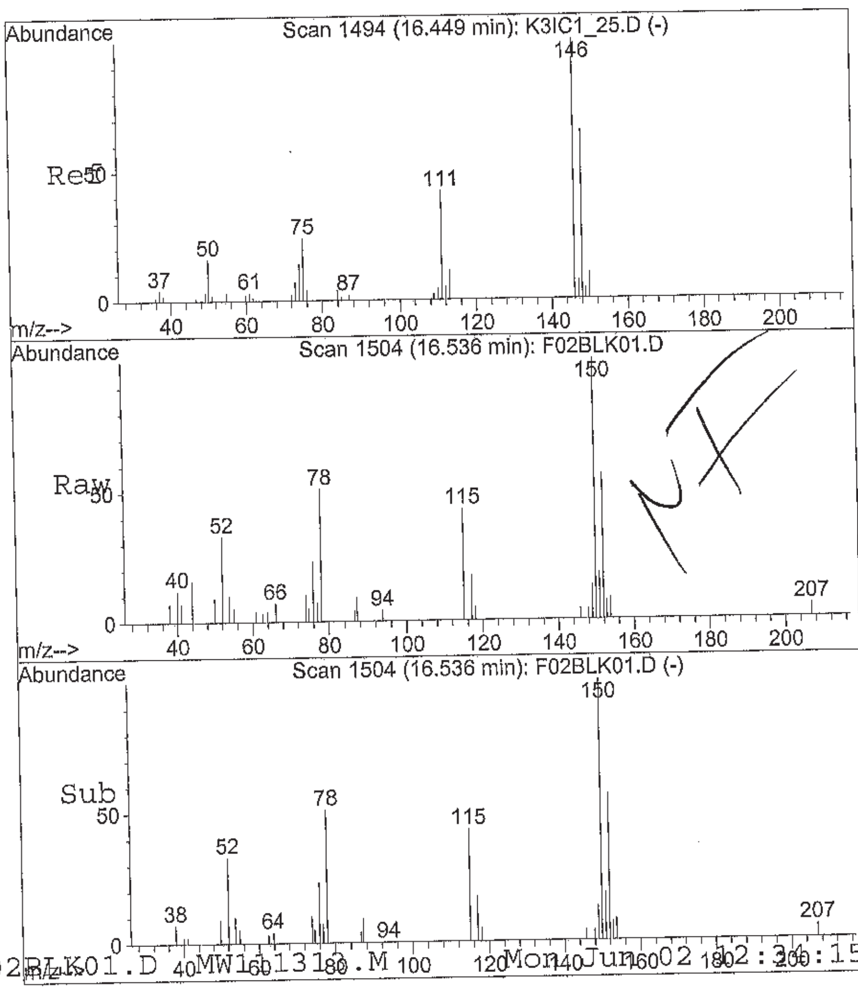


#69
p-Isopropyltoluene
Concen: 0.06 ug/L
RT: 16.38 min Scan# 1485
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:119 Resp: 1146

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	130.5	19.6	29.4#

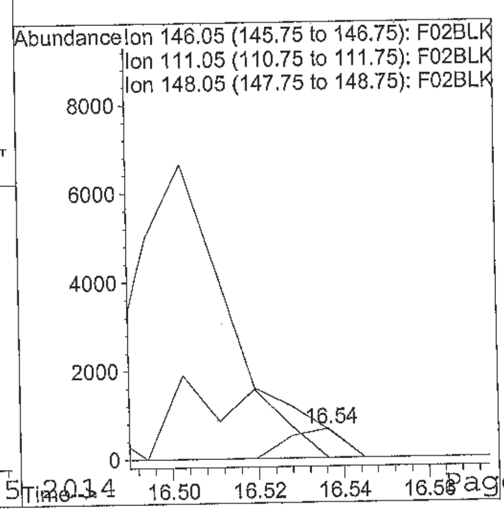


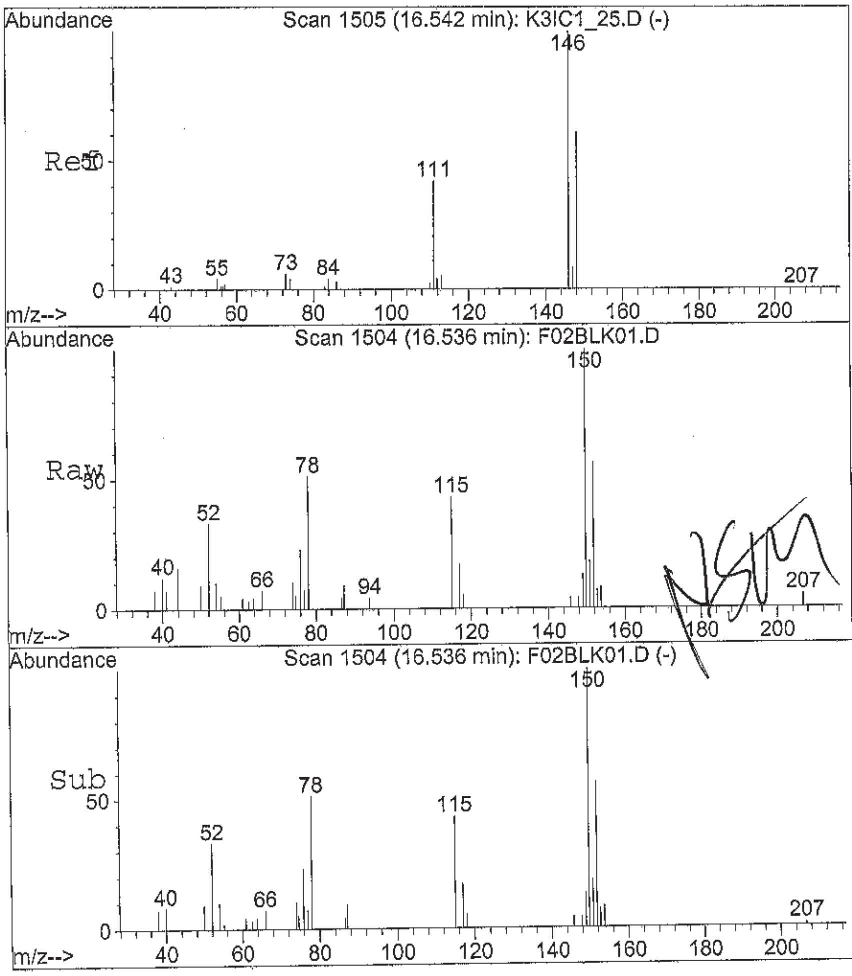


#70
1,3-Dichlorobenzene
Concen: 0.06 ug/L
RT: 16.54 min Scan# 1504
Delta R.T. 0.09 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:146 Resp: 590

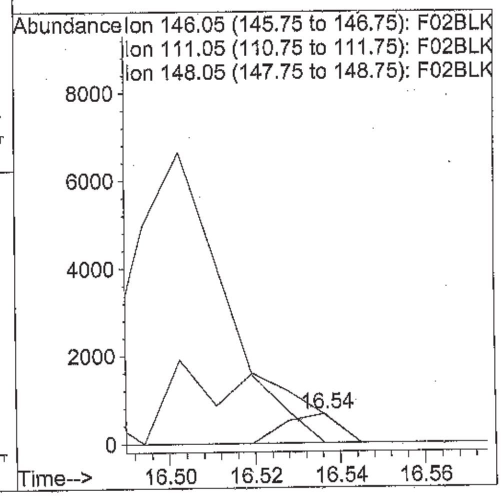
Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.2	51.4#
148	0.0	50.9	76.3#

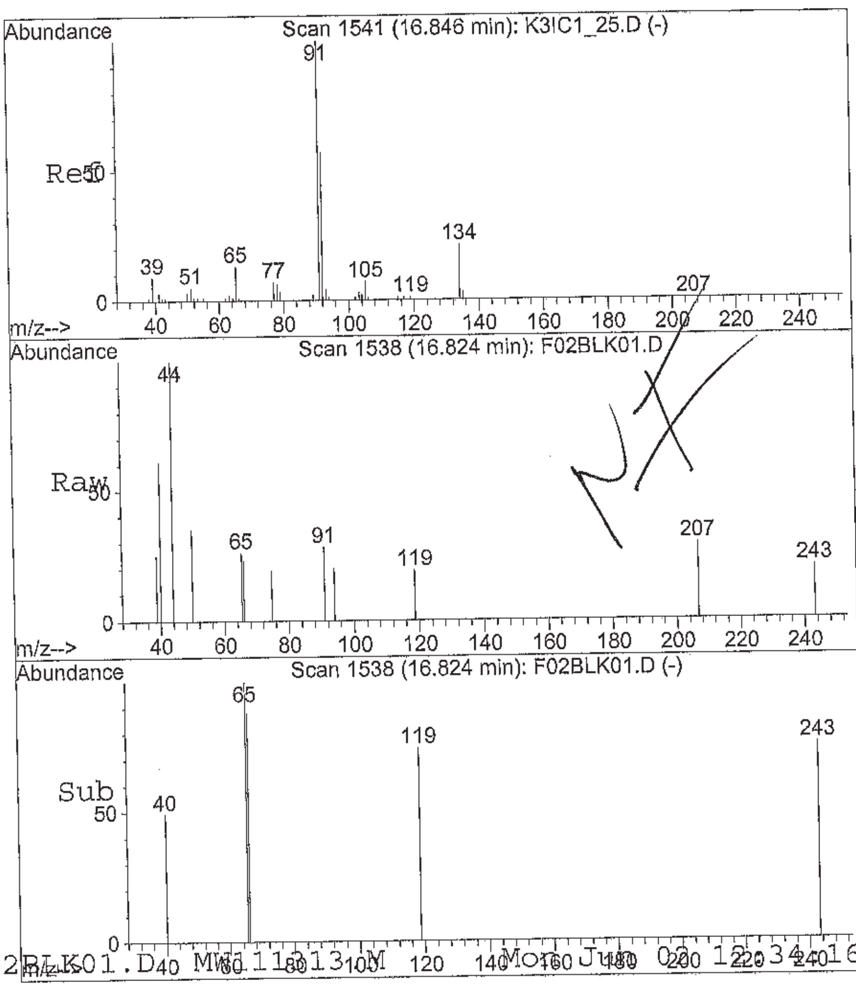




#71
1,4-Dichlorobenzene
Concen: 0.06 ug/L
RT: 16.54 min Scan# 1504
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

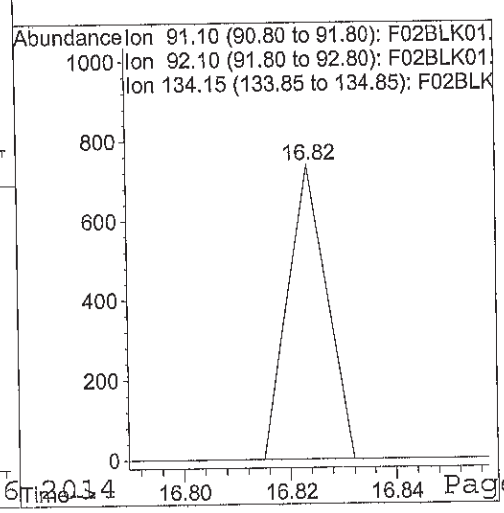
Tgt	Ion:146	Resp:	590
Ion	Ratio	Lower	Upper
146	100		
111	0.0	37.6	56.4#
148	0.0	52.6	78.8#

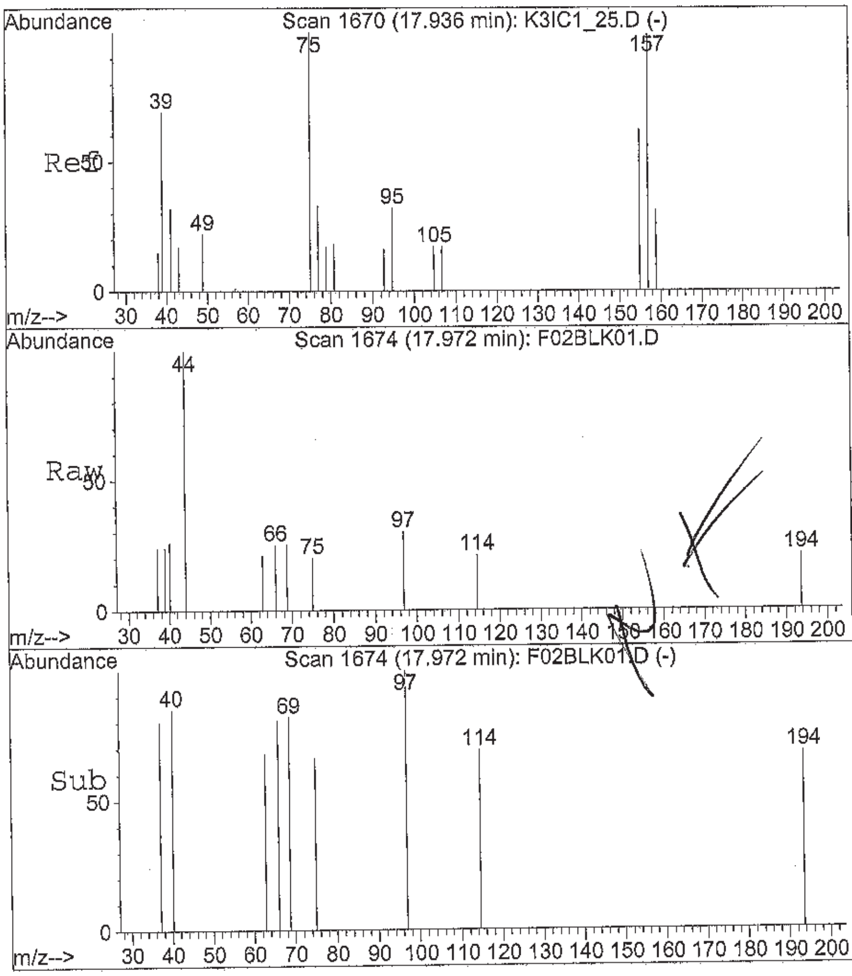




#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.82 min Scan# 1538
Delta R.T. -0.02 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt	Ion: 91	Resp:	374
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#

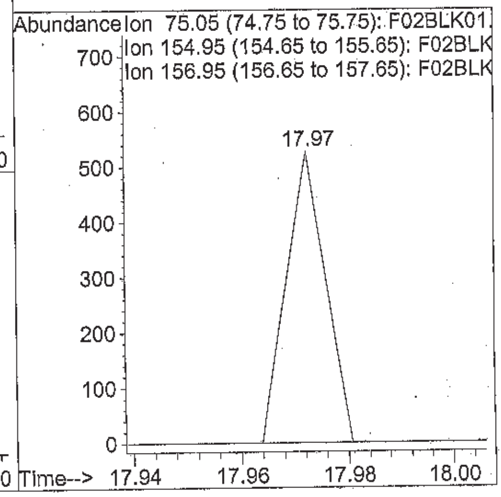


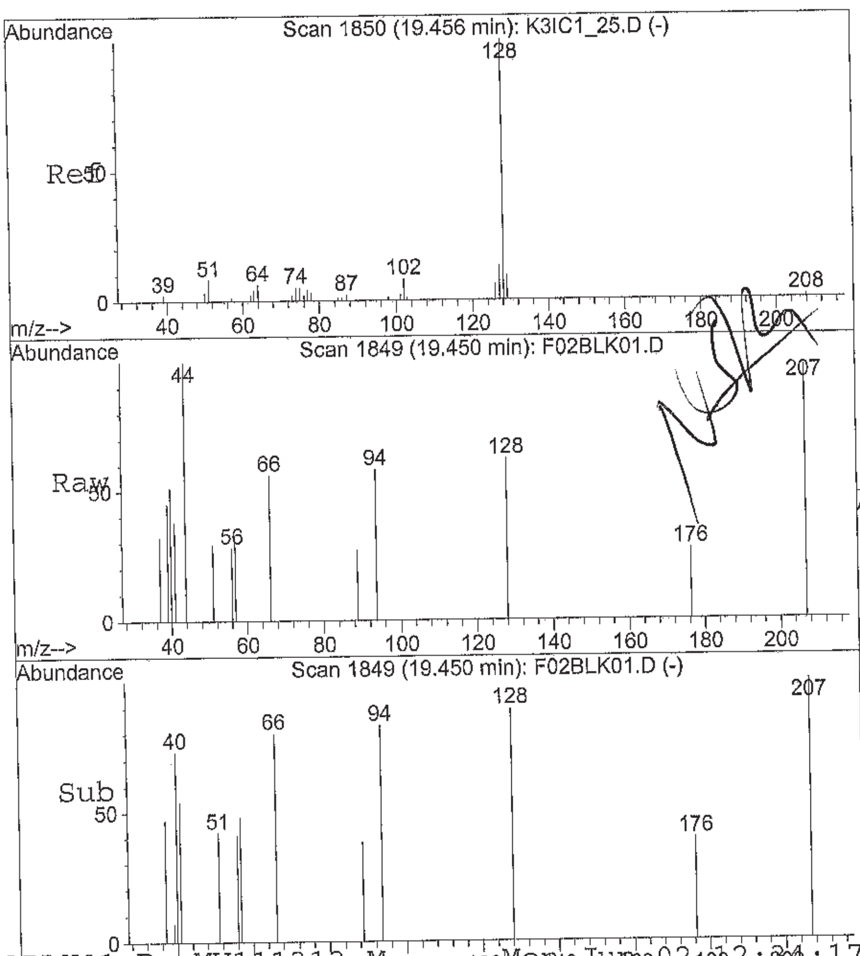


#74
1,2-Dibromo-3-chloropropane
Concen: 1.21 ug/L
RT: 17.97 min Scan# 1674
Delta R.T. 0.04 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion: 75 Resp: 268

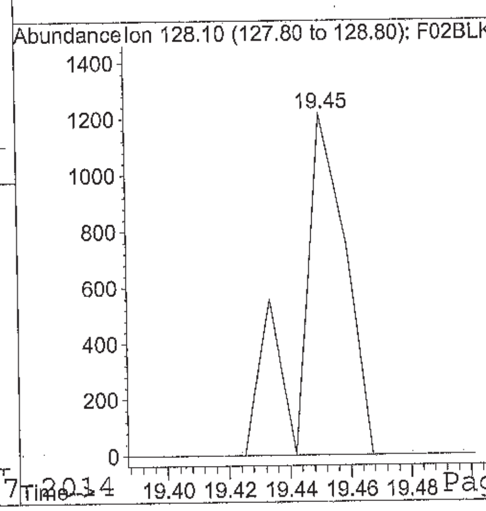
Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#





#77
Naphthalene
Concen: 0.09 ug/L
RT: 19.45 min Scan# 1849
Delta R.T. -0.01 min
Lab File: F02BLK01.D
Acq: 2 Jun 2014 11:15 am

Tgt Ion:128 Resp: 1281



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\060214L3\F02BLK01.D          Vial: 11
Acq On    :  2 Jun 2014  11:15 am                      Operator: DN
Sample    : 34F0201-BLK1                               Inst     : GC/MS Ins
Misc      : 100cc  AMBIENT AIR/H20                     Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun  3  7:27 19114              Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1631767	12.50 ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.91	117	1469938	12.50 ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	712180	12.50 ug/L	-0.01

System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.42	113	480490m	11.32 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.56%	
3) Chloroform-d (SU6)	9.18	84	849749m	13.96 ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery =	111.68%	
4) Methylene Chloride-d2 (SU5	7.08	86	356203	10.01 ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	80.08%	
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	447803m	15.44 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	123.52%	
6) Benzene-d6 (SU7)	9.92	84	1385164	10.82 ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery =	86.56%	
8) Toluene-d8 (SU3)	12.20	98	1604817	11.51 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.08%	
9) 4-Bromofluorobenzene (SU4)	15.21	95	803898m	13.96 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.68%	

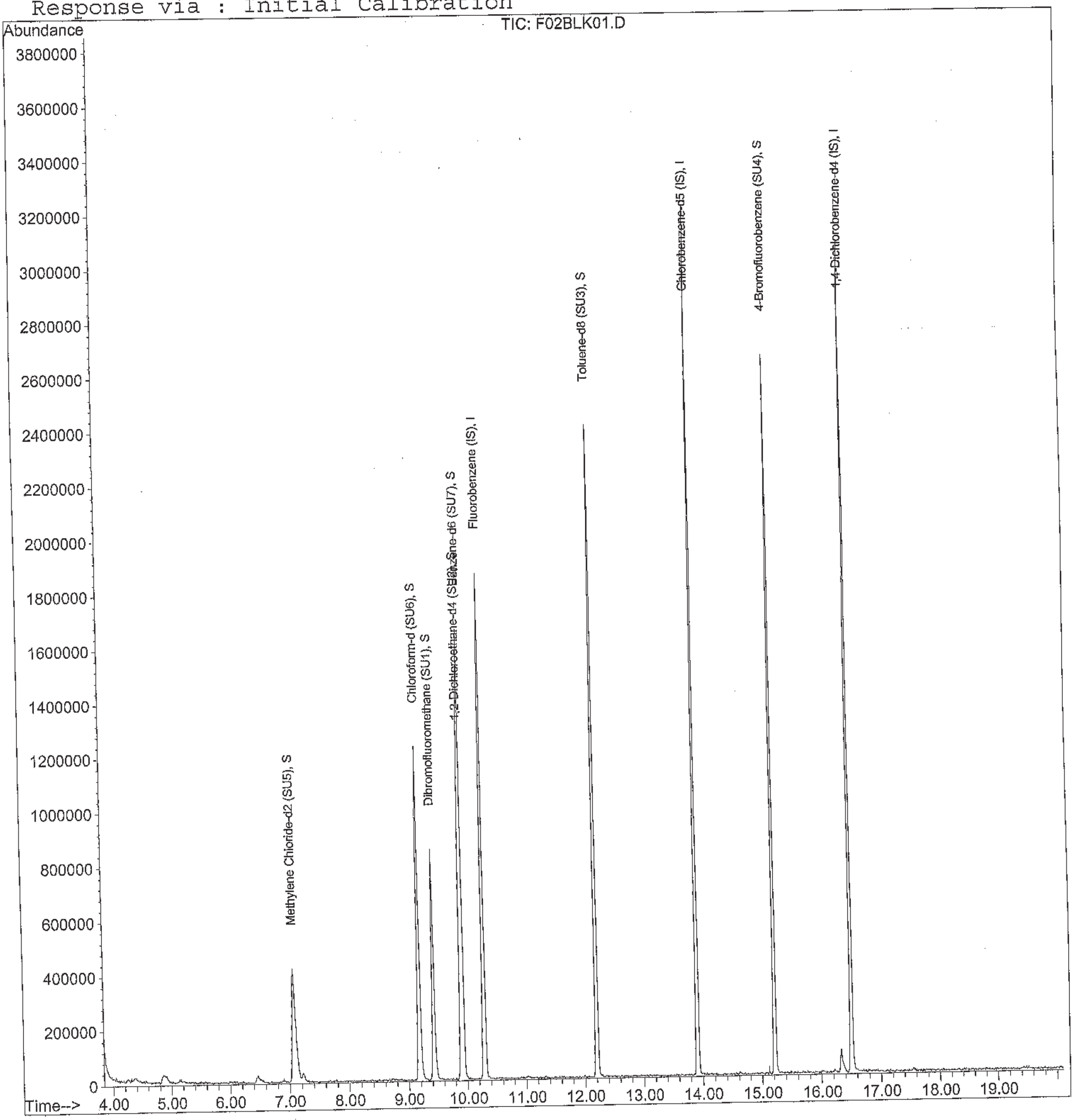
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F02BLK01.D   Vial: 11
Acq On   : 2 Jun 2014 11:15 am   Operator: DN
Sample   : 34F0201-BLK1   Inst   : GC/MS Ins
Misc   : 100cc AMBIENT AIR/H20   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 3 7:27 19114   Quant Results File: SS072713.RES

Method   : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title   : 8260B   GC/MS #3   ICAL SSSF 07/27/13 DN
Last Update   : Mon Nov 18 10:31:39 2013
Response via   : Initial Calibration



Raw Data for Analyzed Samples Including Chromatograms, Quantitation Reports and Spectra

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200001.D Vial: 11
Acq On : 2 Jun 2014 11:46 am Operator: DN
Sample : 3F40201-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:47 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	959959	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	899548	12.50	ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	456072	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	270540m	11.30	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.40%			
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	285346m	12.54	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.32%			
39) Toluene-d8 (SU3)	12.20	98	947418	11.29	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.32%			
58) 4-Bromofluorobenzene (SU4)	15.21	95	449683m	12.22	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.76%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	3.87	85	270	0.11	~~ug/L~~ # NSM	44
4) Chloromethane	4.39	50	3448	0.92	~~ug/L~~ #	54
5) Vinyl Chloride	4.40	62	289	0.17	~~ug/L~~ #	43
6) Bromomethane	5.14	96	2397	0.49	~~ug/L~~	89
7) Chloroethane	5.22	64	699	1.56	~~ug/L~~	91
8) (F11) Trichlorofluorometha	5.71	101	281	0.11	~~ug/L~~ # NSM	16
10) 1,1-Dichloroethene	6.18	96	283	0.12	~~ug/L~~ #	34
11) Acetone	6.46	58	6749	14.29	~~ug/L~~ #	1
12) (IPA) Leak Check Compound	6.55	45	2677	23.21	~~ug/L~~ # NSM	1
13) Carbon disulfide	6.87	76	297	0.04	~~ug/L~~ # NSM	76
14) Methylene Chloride	7.06	84	7916	3.00	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.93	59	1307	7.98	~~ug/L~~ #	77
16) (MTBE) Methyl-t-butyl ethe	7.40	73	270	0.05	~~ug/L~~ #	1
17) trans-1,2-Dichloroethene	7.43	96	254	0.10	~~ug/L~~ #	4
18) 1,1-Dichloroethane	8.09	63	270	0.06	~~ug/L~~ #	42
19) cis-1,2-Dichloroethene	8.65	96	257	0.09	~~ug/L~~ # NSM	3
20) 2,2-Dichloropropane	8.78	77	407	0.11	~~ug/L~~ #	1
22) (DIPE) Diisopropyl Ether	7.82	45	282	0.04	~~ug/L~~ #	1
23) Bromochloromethane	9.00	128	355	0.28	~~ug/L~~ #	1
24) Chloroform	9.19	83	1062	0.21	ug/L #	18
29) 1,1-Dichloropropene	9.85	75	294	0.08	ug/L #	41
31) Benzene	9.95	78	3108	0.34	~~ug/L~~ #	57

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200001.D Vial: 11
Acq On : 2 Jun 2014 11:46 am Operator: DN
Sample : 3F40201-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:47 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

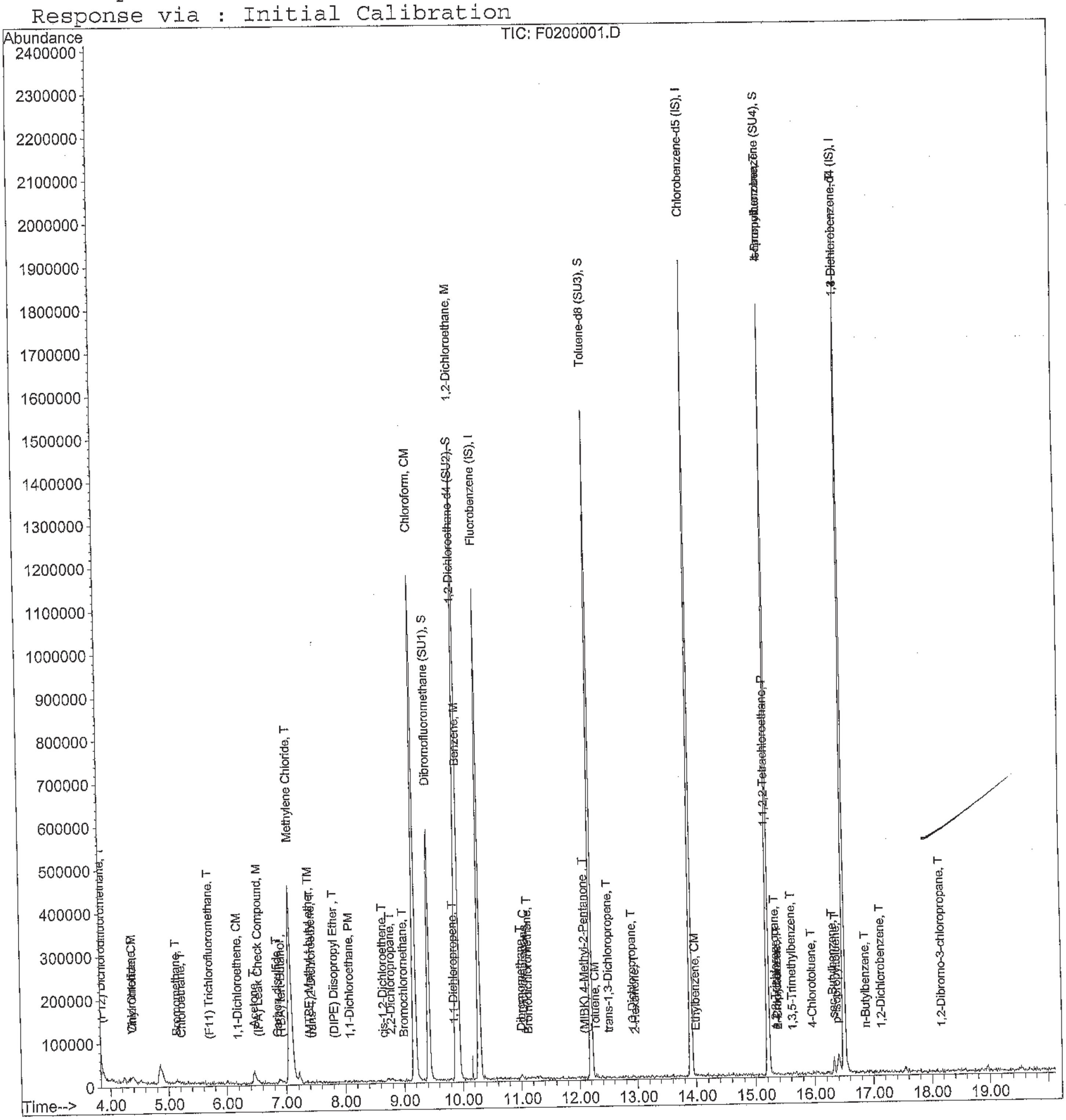
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,2-Dichloroethane	9.92	62	13541	4.24 ug/L # NSM	1
34)	1,2-Dichloropropane	11.06	63	300	0.14 ~~ug/L~~ #	2
35)	Dibromomethane	11.01	93	272	0.16 ~~ug/L~~ #	5
36)	Bromodichloromethane	11.13	83	263	0.08 ~~ug/L~~ #	21
40)	(MIBK) 4-Methyl-2-Pentanon	12.10	43	288	0.16 ~~ug/L~~ #	100
41)	Toluene	12.28	91	342	0.03 ug/L # 0.0006	1
42)	trans-1,3-Dichloropropene	12.50	75	256	0.06 ~~ug/L~~ # NSM	1
45)	1,3-Dichloropropane	12.92	76	539	0.13 ~~ug/L~~ #	70
46)	2-Hexanone	12.97	43	1526	0.78 ~~ug/L~~ #	37
51)	Ethylbenzene	14.00	91	1606	0.12 ~~ug/L~~ #	45
54)	Styrene	14.62	104	597	-0.79 ~~ug/L~~ #	58
56)	Isopropylbenzene	15.21	105	1562	0.12 ~~ug/L~~ #	1
57)	1,2,3-Trichloropropane	15.35	75	284	0.08 ~~ug/L~~ # NSM	36
60)	1,1,2,2-Tetrachloroethane	15.19	83	253	0.08 ~~ug/L~~ #	18
62)	n-Propylbenzene	15.39	91	267	0.01 ug/L #	56
63)	2-Chlorotoluene	15.39	91	267	0.02 ~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.62	105	264	0.02 ug/L #	18
65)	4-Chlorotoluene	15.96	91	339	0.03 ~~ug/L~~ #	44
68)	sec-Butylbenzene	16.31	105	283	0.02 ~~ug/L~~ # NSM	62
69)	p-Isopropyltoluene	16.37	119	266	0.02 ~~ug/L~~ #	1
70)	1,3-Dichlorobenzene	16.50	146	307	0.05 ~~ug/L~~ #	1
71)	1,4-Dichlorobenzene	16.50	146	307	0.05 ~~ug/L~~ #	1
72)	n-Butylbenzene	16.87	91	283	0.02 ug/L #	30
73)	1,2-Dichlorobenzene	17.13	146	254	0.04 ug/L #	24
74)	1,2-Dibromo-3-chloropropan	18.16	75	374	1.59 ~~ug/L~~ #	6

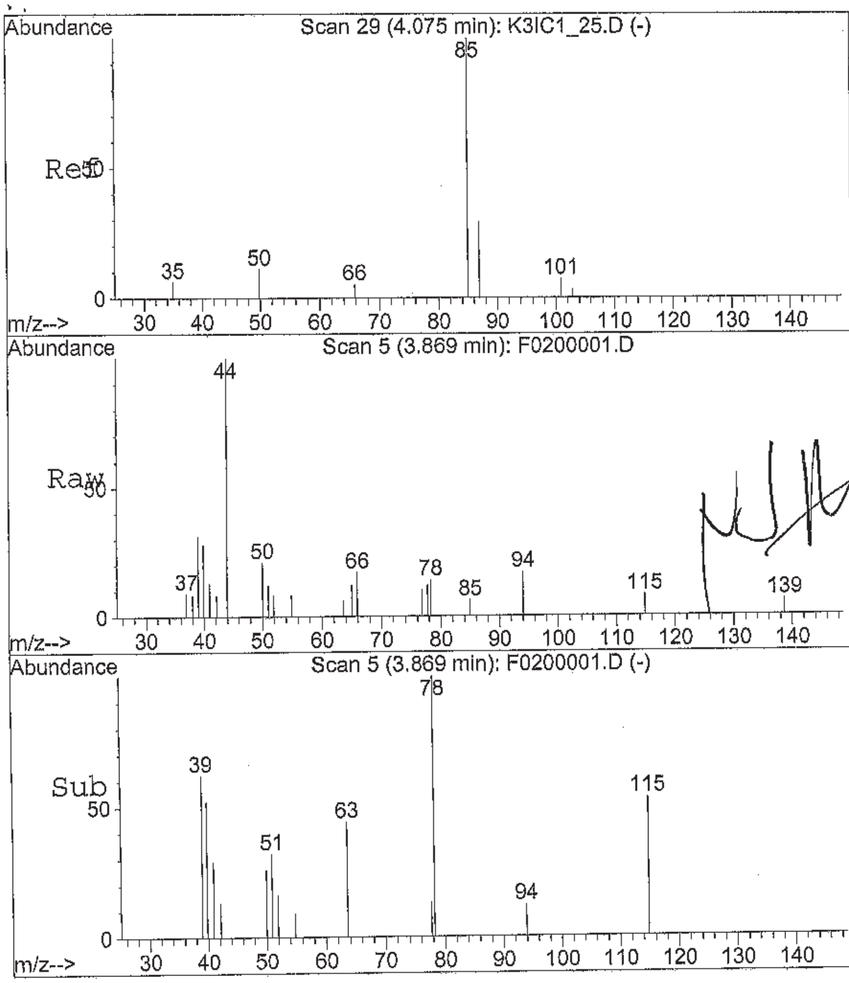
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200001.D Vial: 11
Acq On : 2 Jun 2014 11:46 am Operator: DN
Sample : 3F40201-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:47 19114 Quant Results File: MW111313.RES

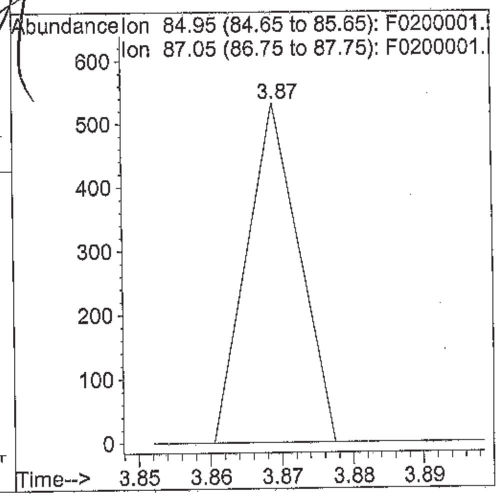
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

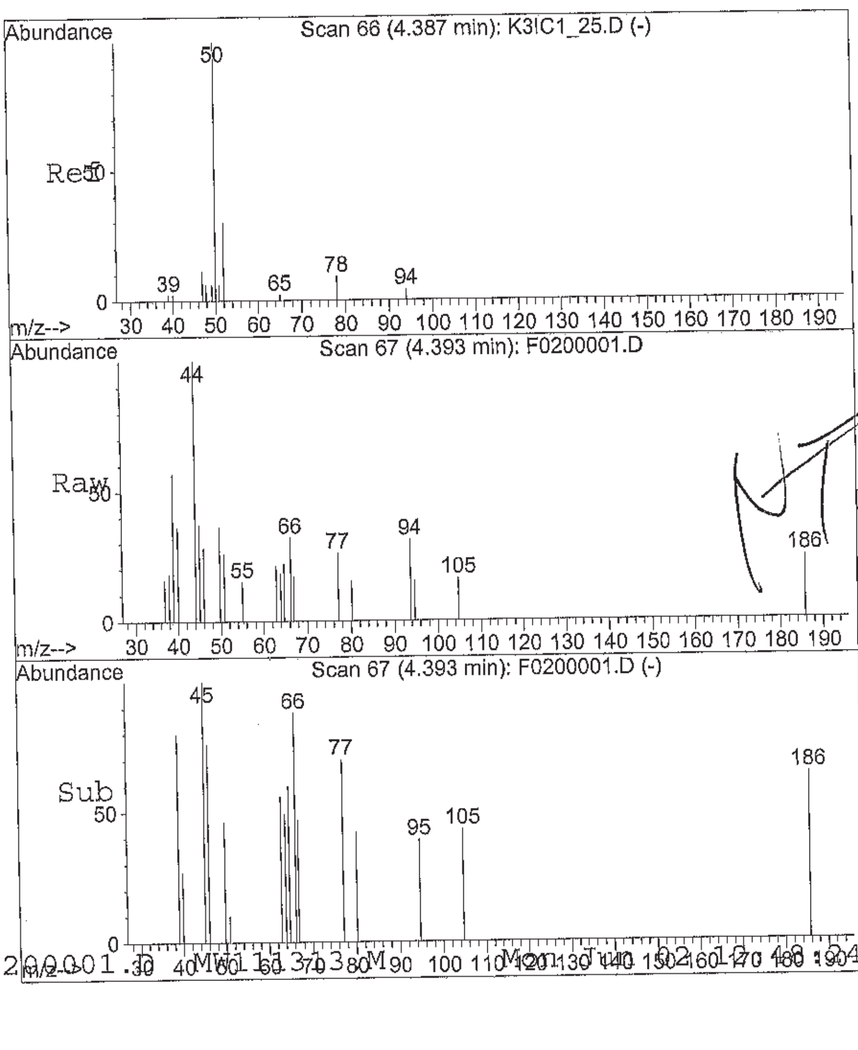




#3
(F12) Dichlorodifluoromethane
Concen: 0.11 ug/L
RT: 3.87 min Scan# 5
Delta R.T. -0.21 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

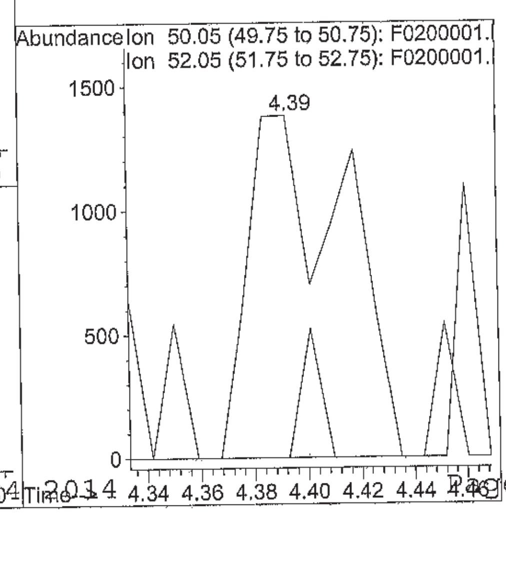
Tgt Ion: 85	Resp:		270
Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

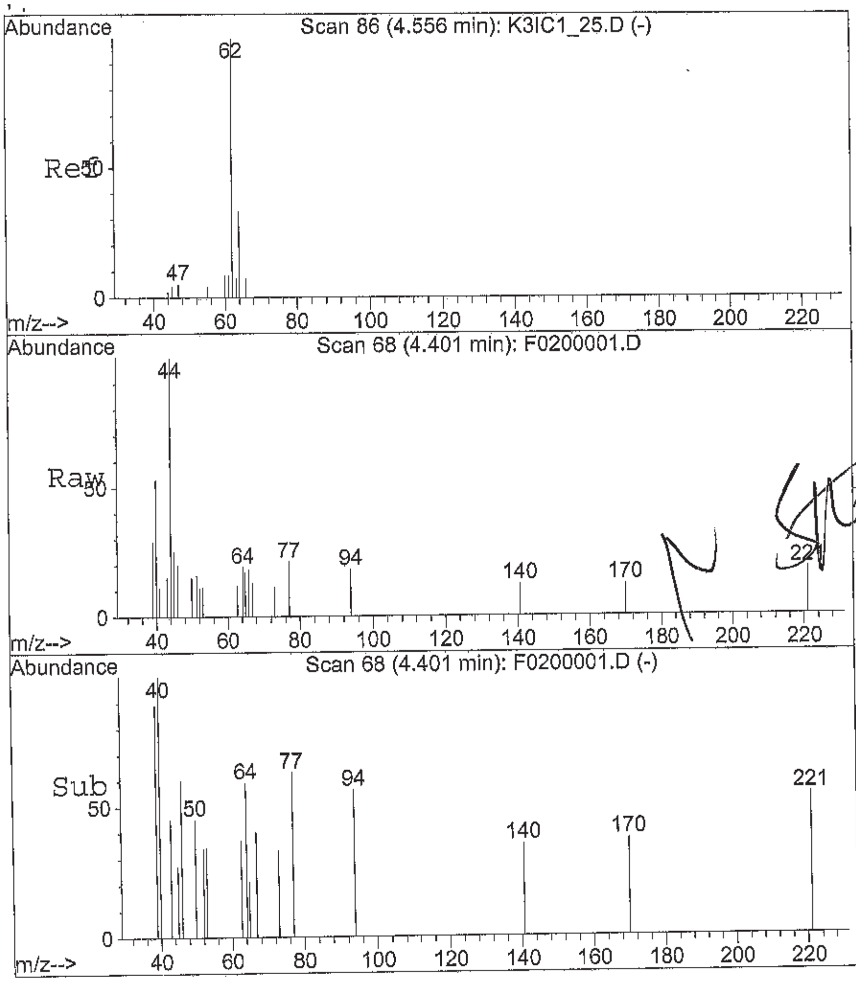




#4
Chloromethane
Concen: 0.92 ug/L
RT: 4.39 min Scan# 67
Delta R.T. 0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

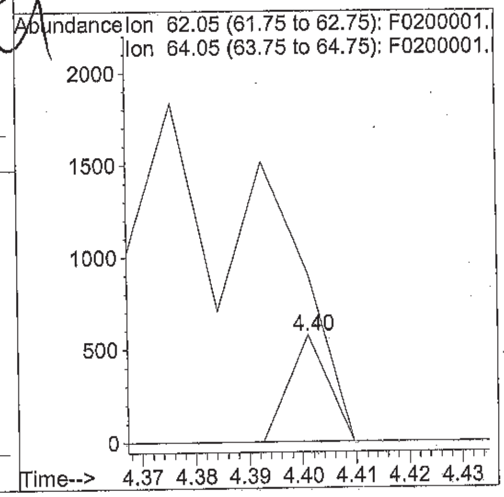
Tgt Ion: 50	Resp:		3448
Ion	Ratio	Lower	Upper
50	100		
52	7.7	26.9	40.3#

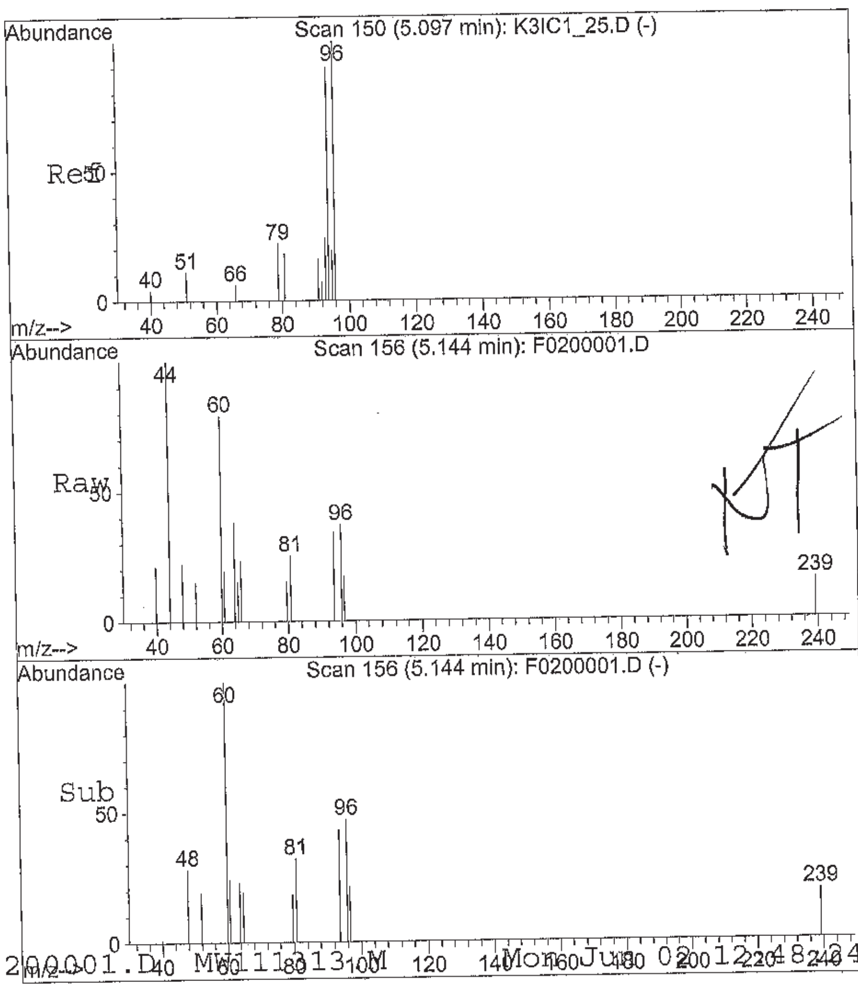




#5
Vinyl Chloride
Concen: 0.17 ug/L
RT: 4.40 min   Scan# 68
Delta R.T.   -0.15 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

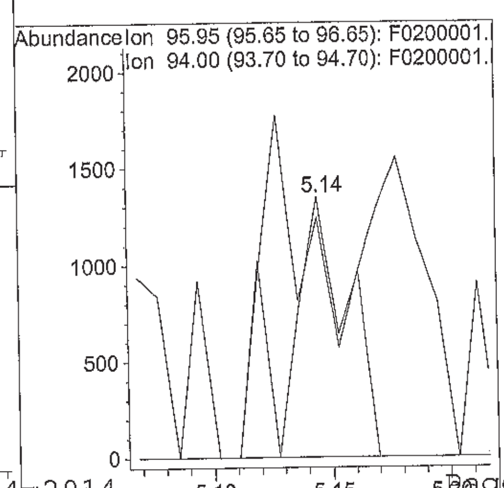
Tgt Ion: 62	Resp:		289
Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.6	38.4#

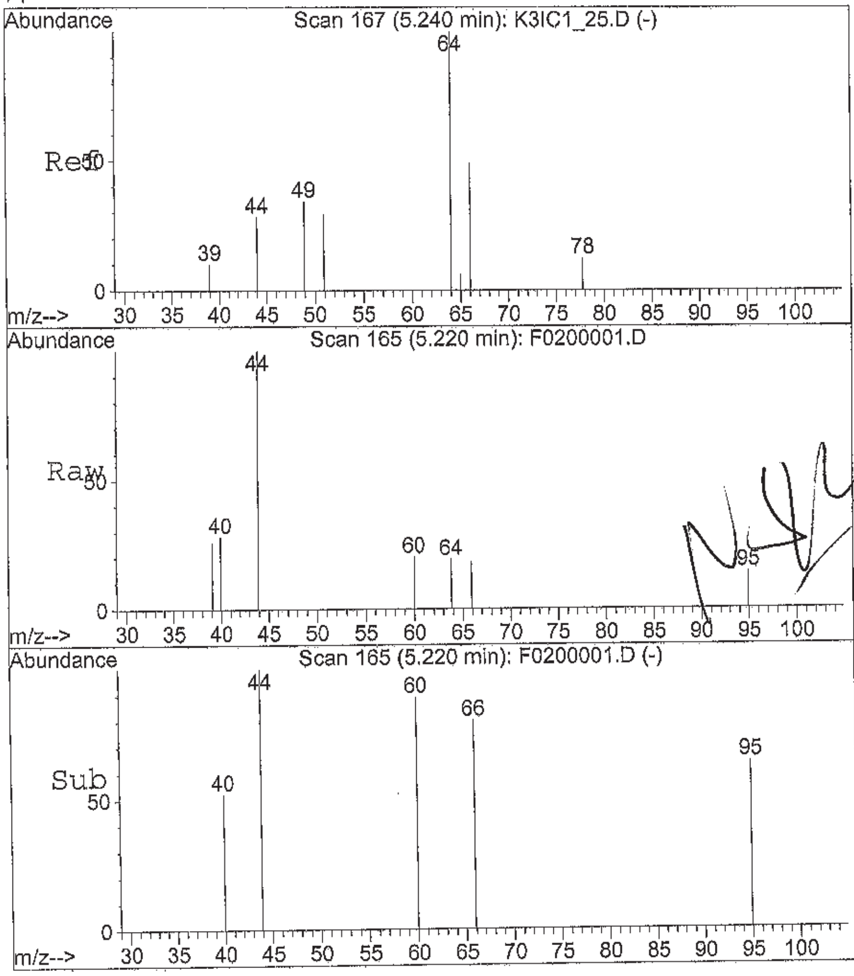




#6
Bromomethane
Concen: 0.49 ug/L
RT: 5.14 min   Scan# 156
Delta R.T.   0.05 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

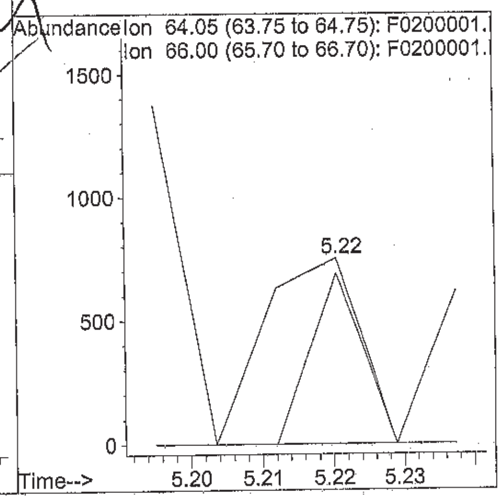
Tgt Ion: 96	Resp:		2397
Ion	Ratio	Lower	Upper
96	100		
94	113.2	101.0	151.4

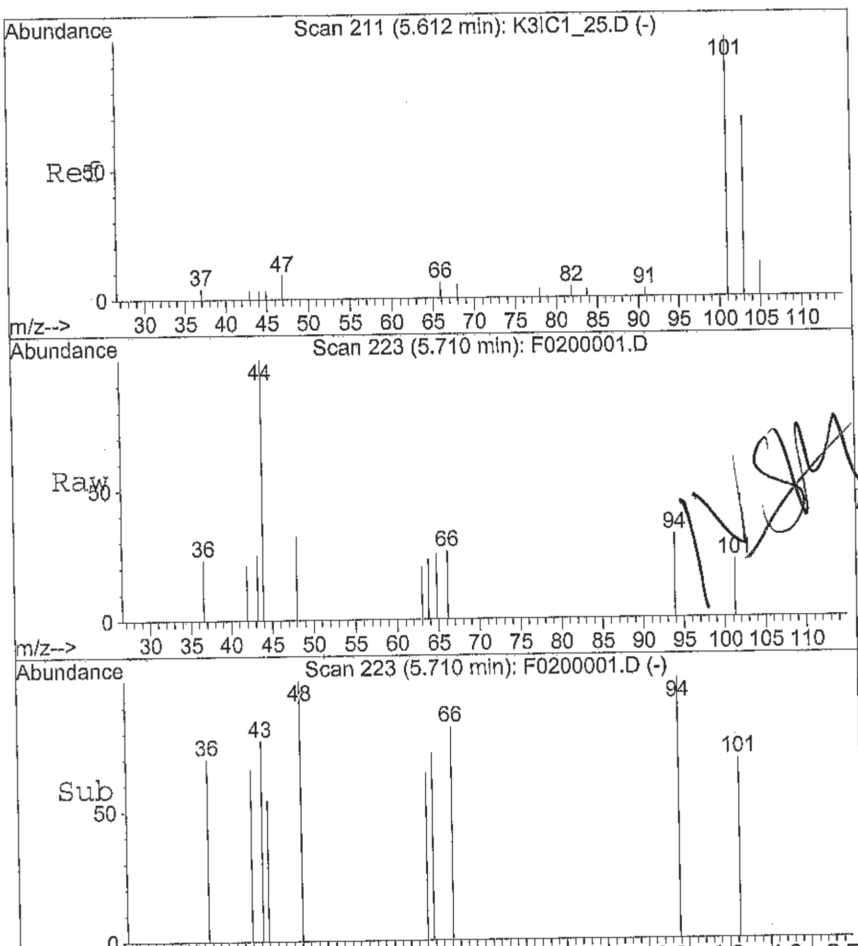




#7
Chloroethane
Concen: 1.56 ug/L
RT: 5.22 min Scan# 165
Delta R.T. -0.02 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

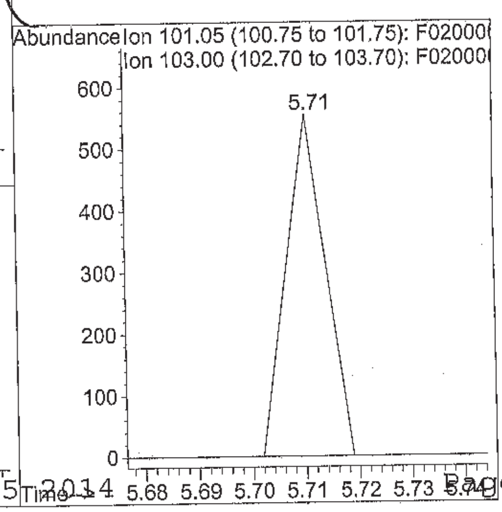
Tgt Ion: 64	Resp:		699
Ion	Ratio	Lower	Upper
64	100		
66	49.8	35.4	53.0

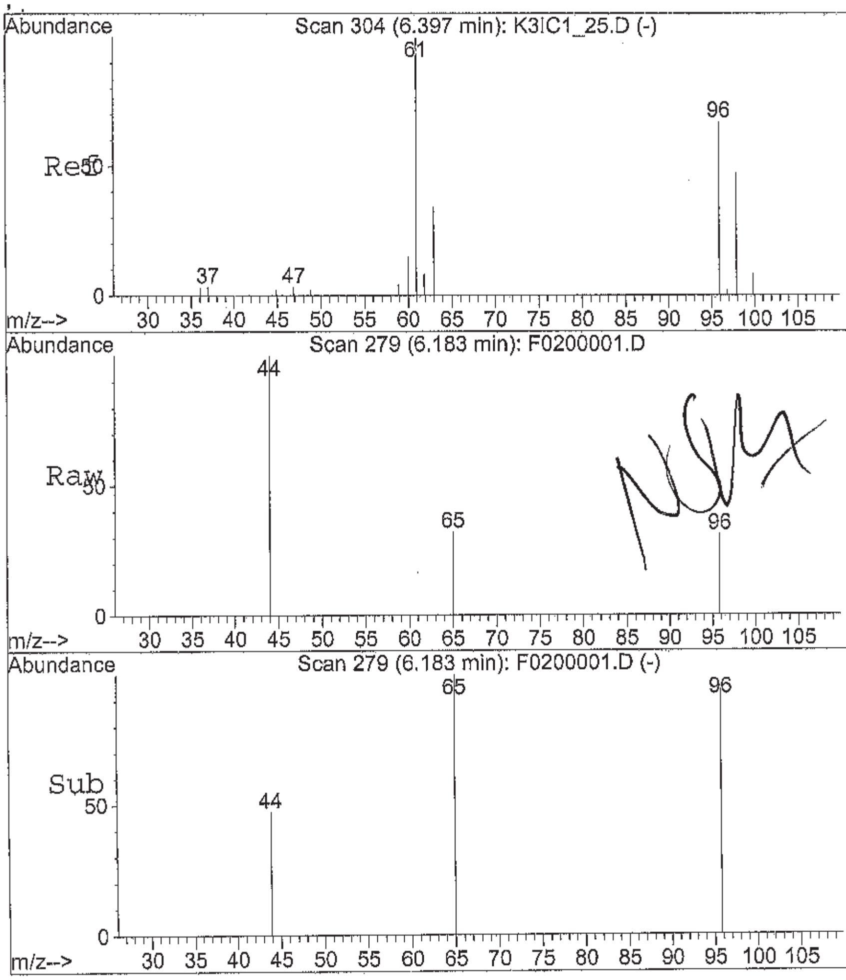




#8
(F11) Trichlorofluoromethane
Concen: 0.11 ug/L
RT: 5.71 min Scan# 223
Delta R.T. 0.10 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:101	Resp:		281
Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.5	81.7#

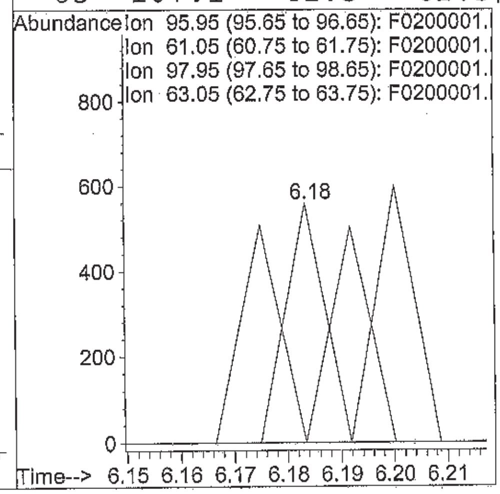


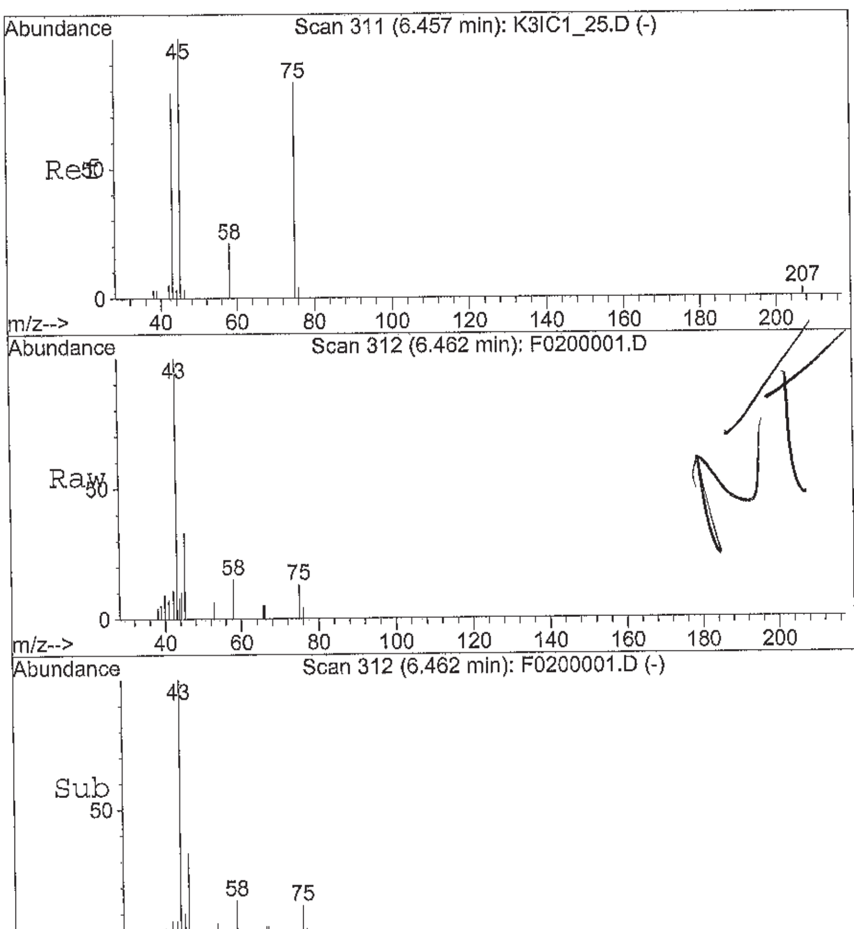


#10
1,1-Dichloroethene
Concen: 0.12 ug/L
RT: 6.18 min Scan# 279
Delta R.T. -0.21 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 96 Resp: 283

Ion	Ratio	Lower	Upper
96	100		
61	90.1	130.0	195.0#
98	0.0	56.2	84.4#
63	107.1	41.5	62.3#

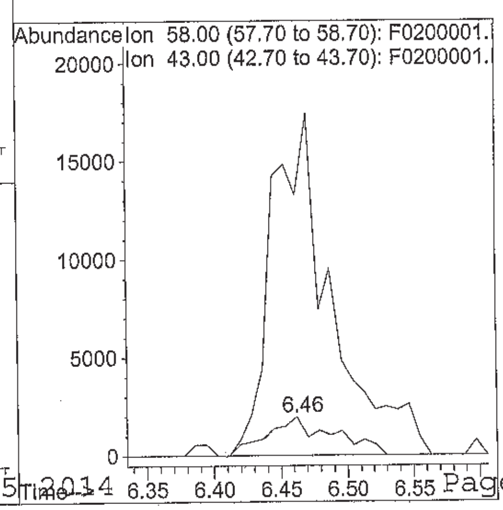


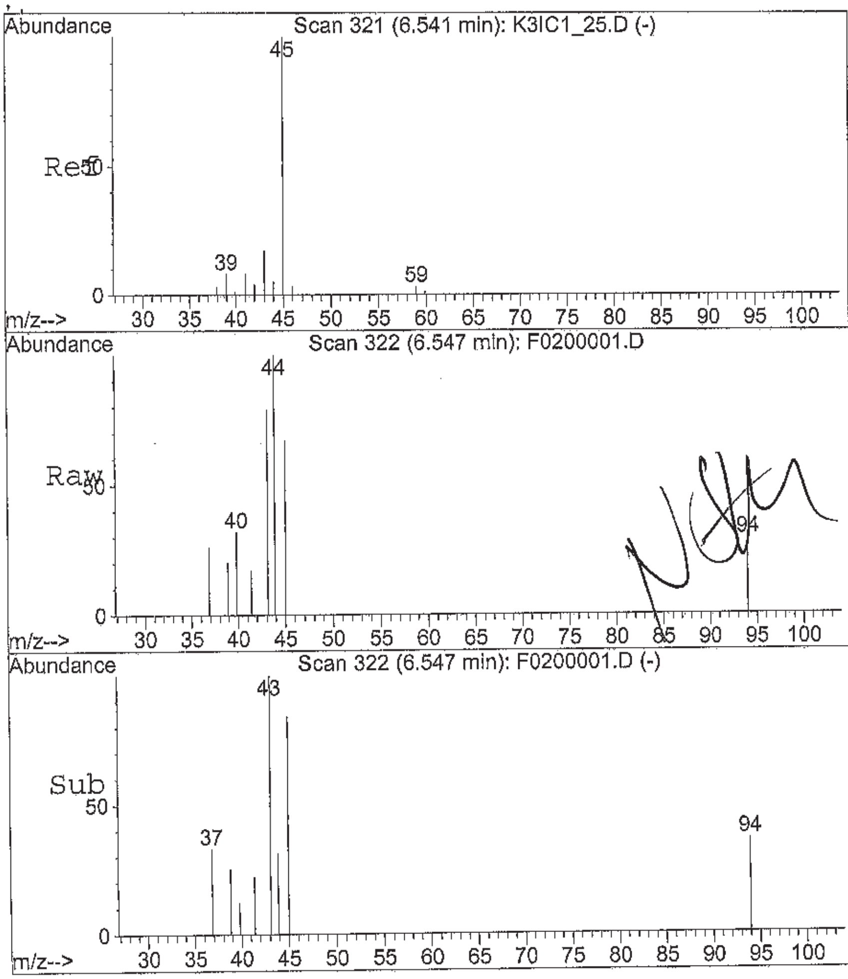


#11
Acetone
Concen: 14.29 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 58 Resp: 6749

Ion	Ratio	Lower	Upper
58	100		
43	800.8	360.9	541.3#

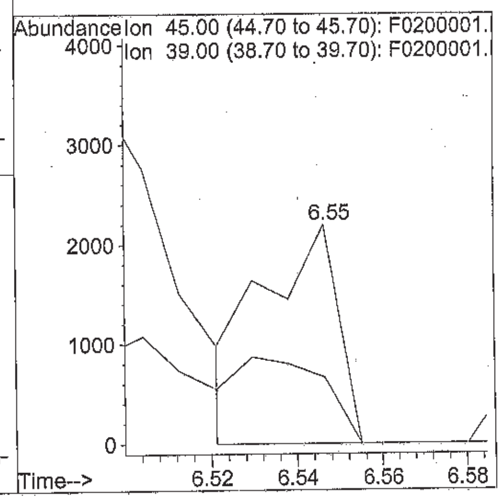


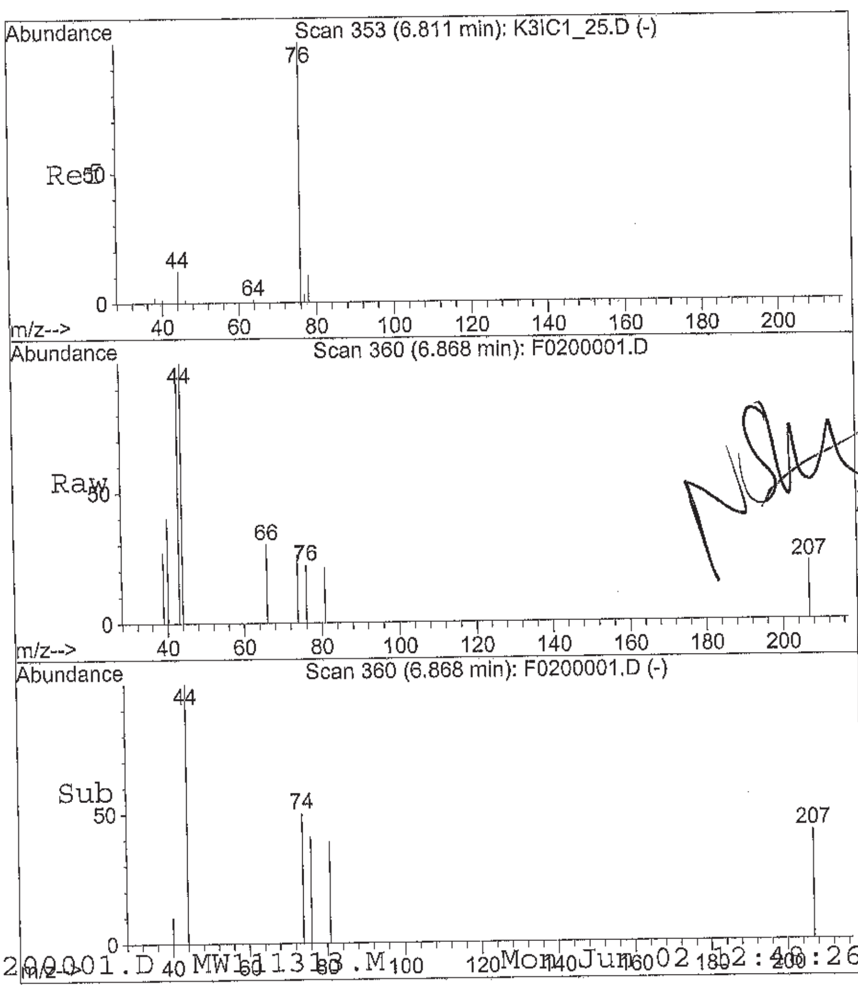


#12
(IPA) Leak Check Compound
Concen: 23.21 ug/L
RT: 6.55 min Scan# 322
Delta R.T. 0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 45 Resp: 2677

Ion	Ratio	Lower	Upper
45	100		
39	43.9	4.9	7.3#

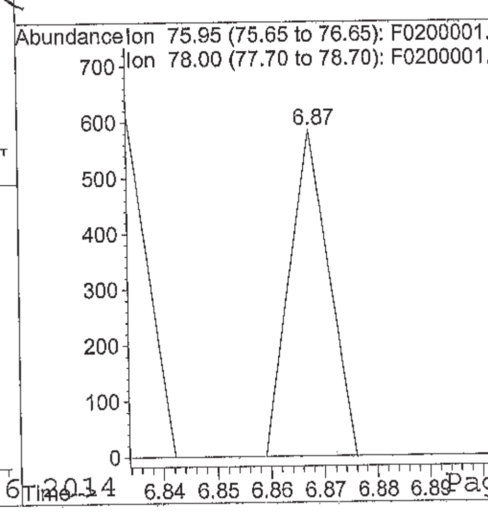


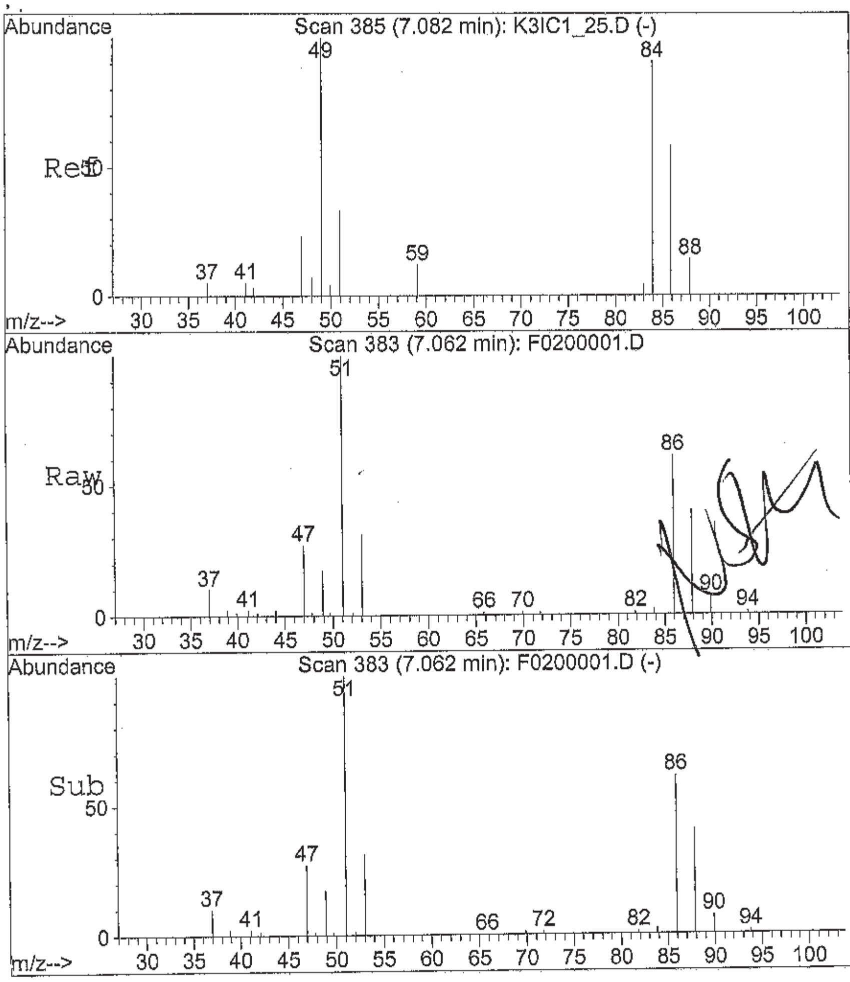


#13
Carbon disulfide
Concen: 0.04 ug/L
RT: 6.87 min Scan# 360
Delta R.T. 0.06 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 76 Resp: 297

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

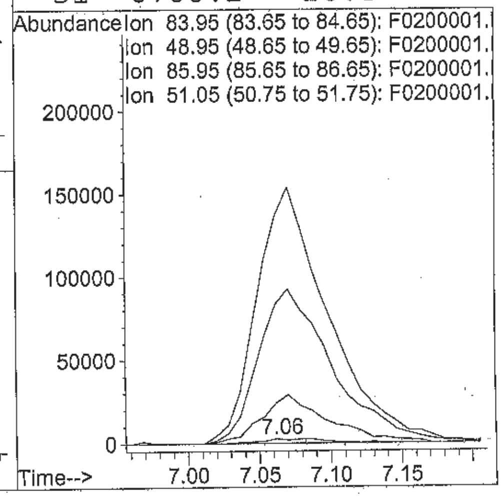


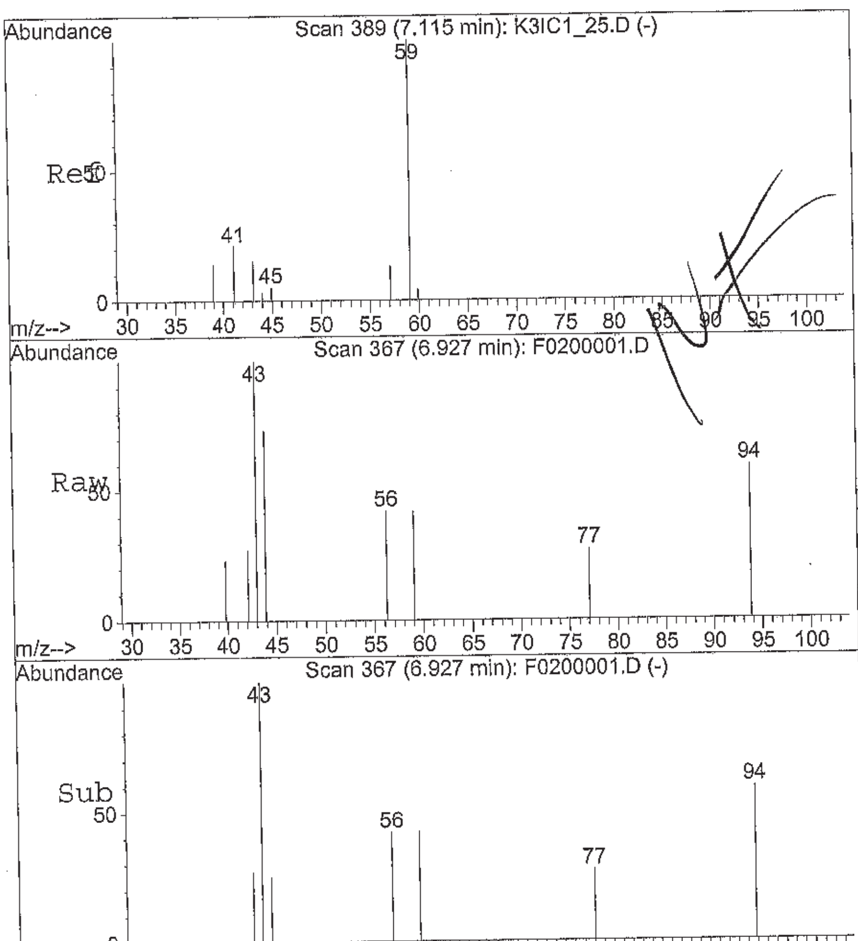


#14
Methylene Chloride
Concen: 3.00 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 84 Resp: 7916

Ion	Ratio	Lower	Upper
84	100		
49	1179.4	89.8	134.6#
86	4221.8	51.1	76.7#
51	6788.2	28.5	42.7#

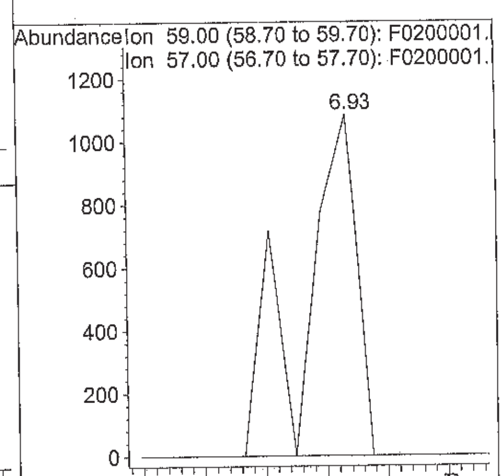


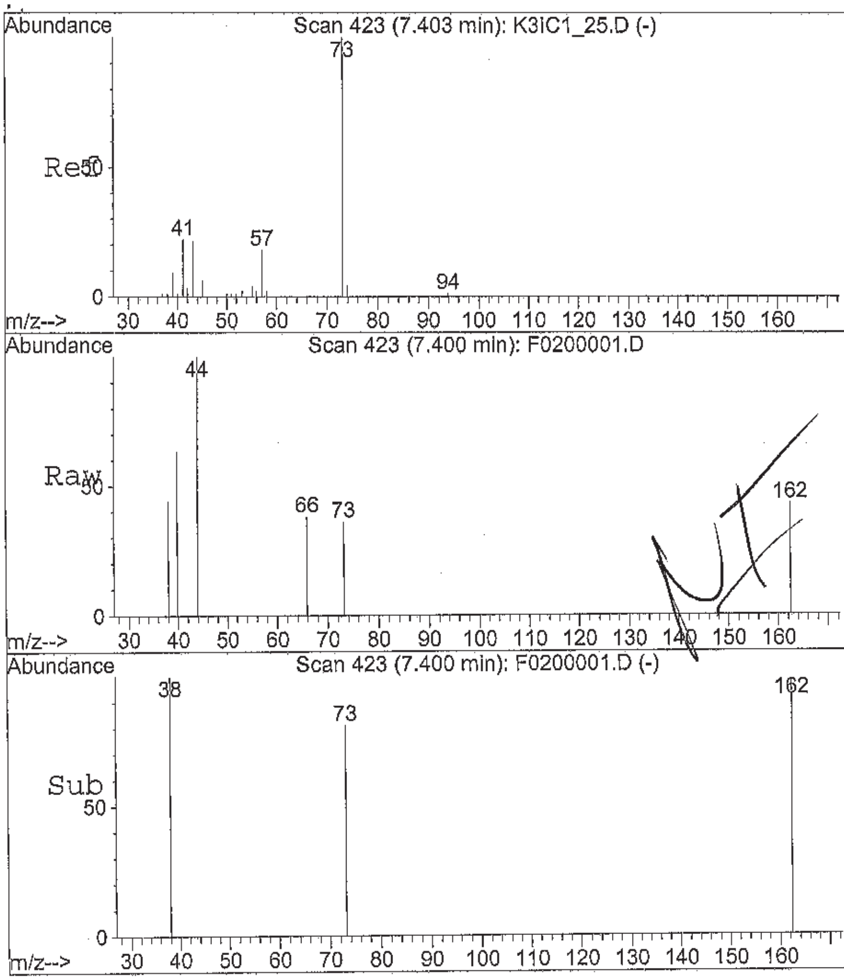


#15
(TBA) tert-Butanol
Concen: 7.98 ug/L
RT: 6.93 min Scan# 367
Delta R.T. -0.19 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 59 Resp: 1307

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

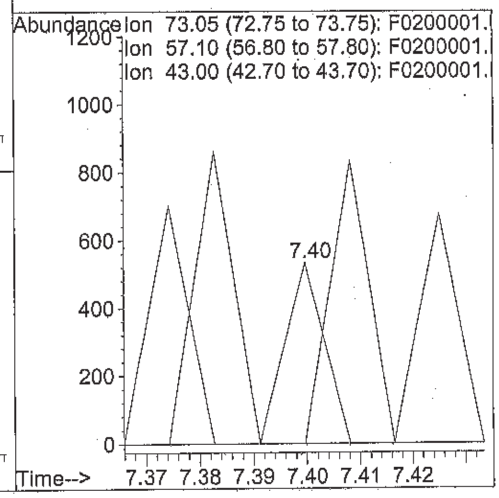


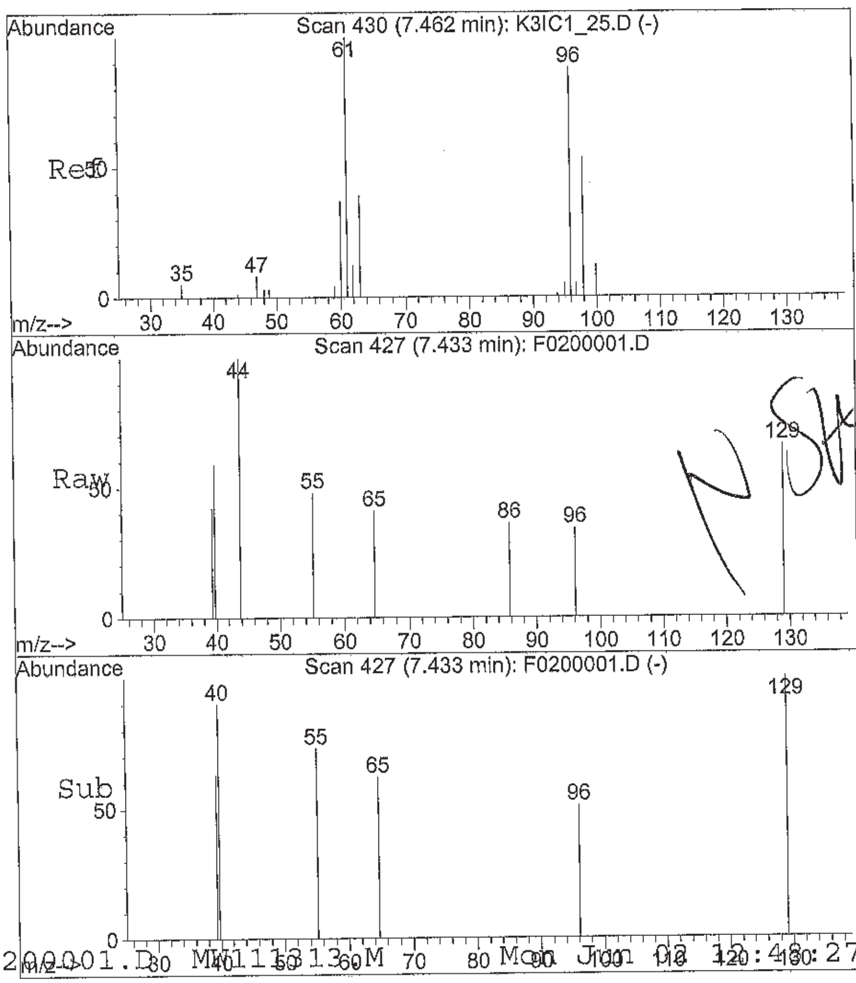


#16
(MTBE) Methyl-t-butyl ether
Concen: 0.05 ug/L
RT: 7.40 min Scan# 423
Delta R.T. -0.00 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 73 Resp: 270

Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.8	23.8#
43	283.3	18.4	27.6#

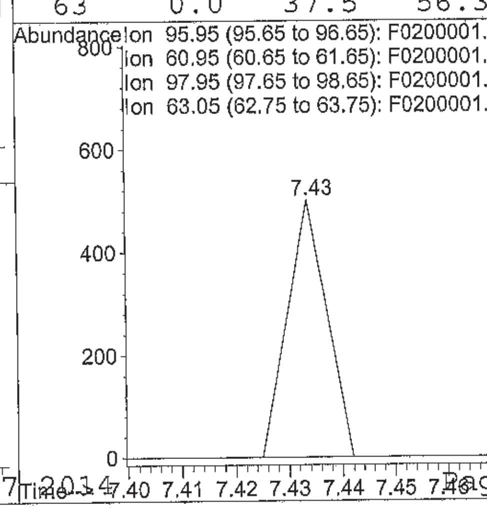


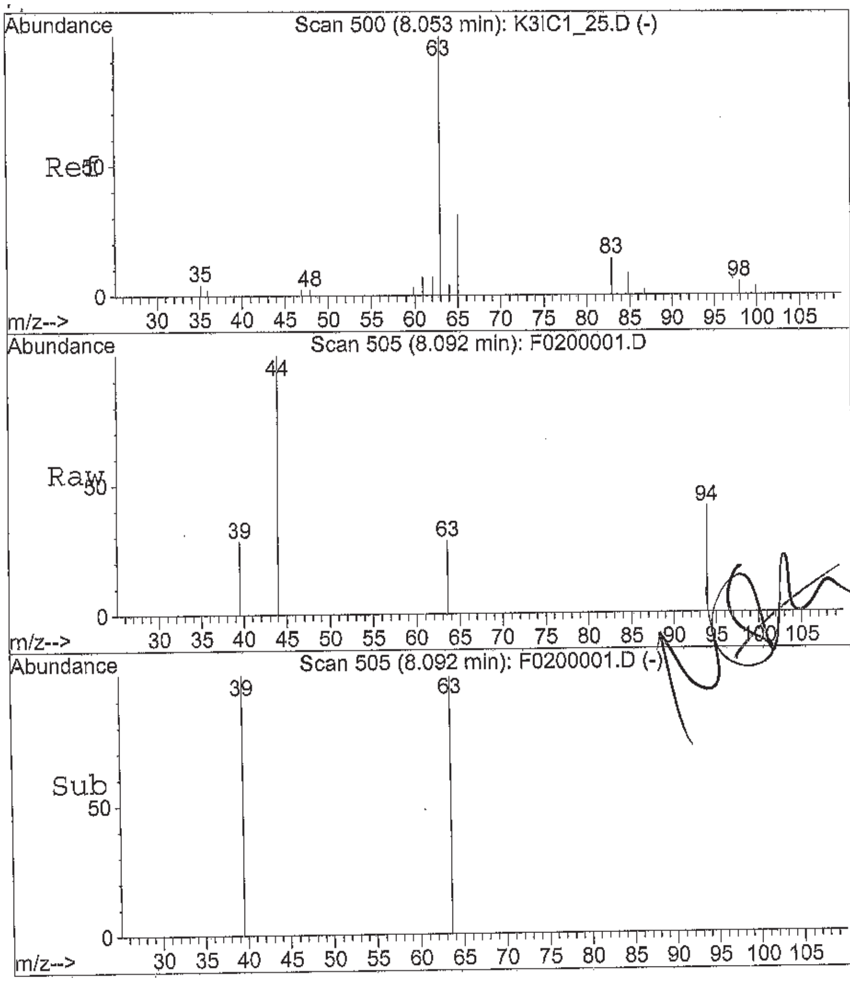


#17
trans-1,2-Dichloroethene
Concen: 0.10 ug/L
RT: 7.43 min Scan# 427
Delta R.T. -0.03 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 96 Resp: 254

Ion	Ratio	Lower	Upper
96	100		
61	0.0	104.2	156.2#
98	0.0	50.2	75.4#
63	0.0	37.5	56.3#

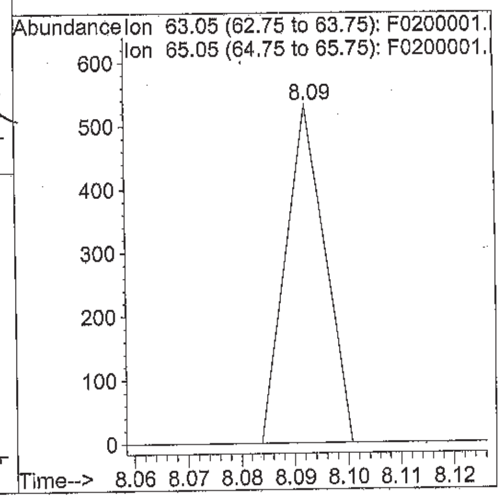


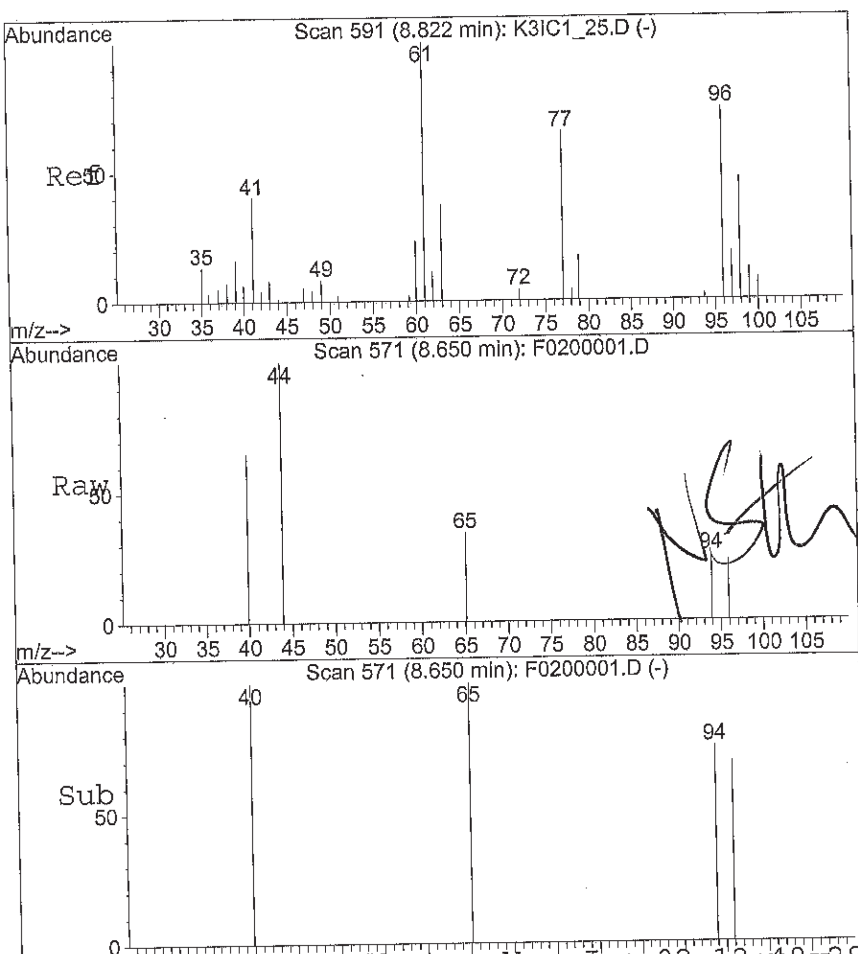


#18
1,1-Dichloroethane
Concen: 0.06 ug/L
RT: 8.09 min Scan# 505
Delta R.T. 0.04 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 63 Resp: 270

Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.8#

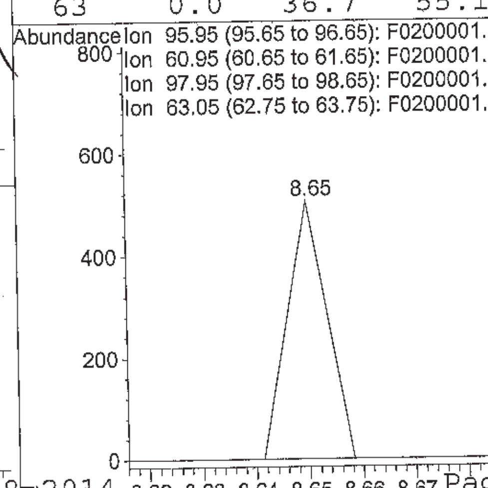


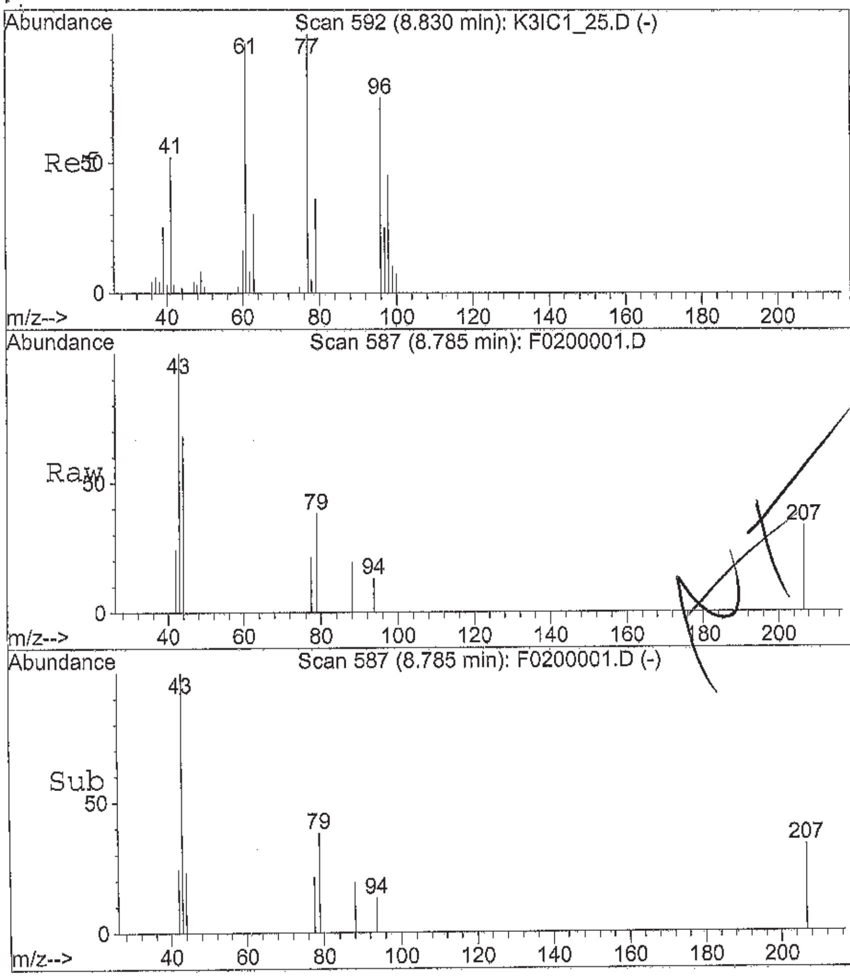


#19
cis-1,2-Dichloroethene
Concen: 0.09 ug/L
RT: 8.65 min Scan# 571
Delta R.T. -0.17 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 96 Resp: 257

Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

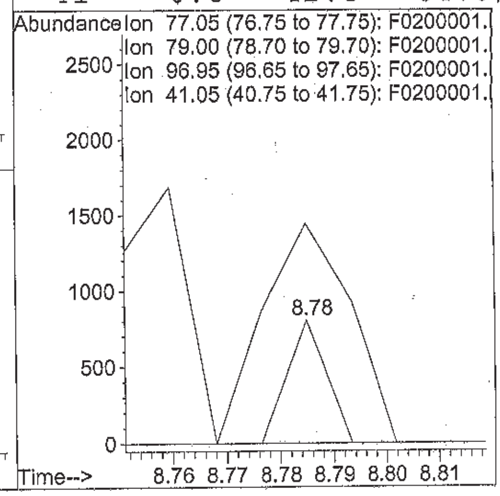


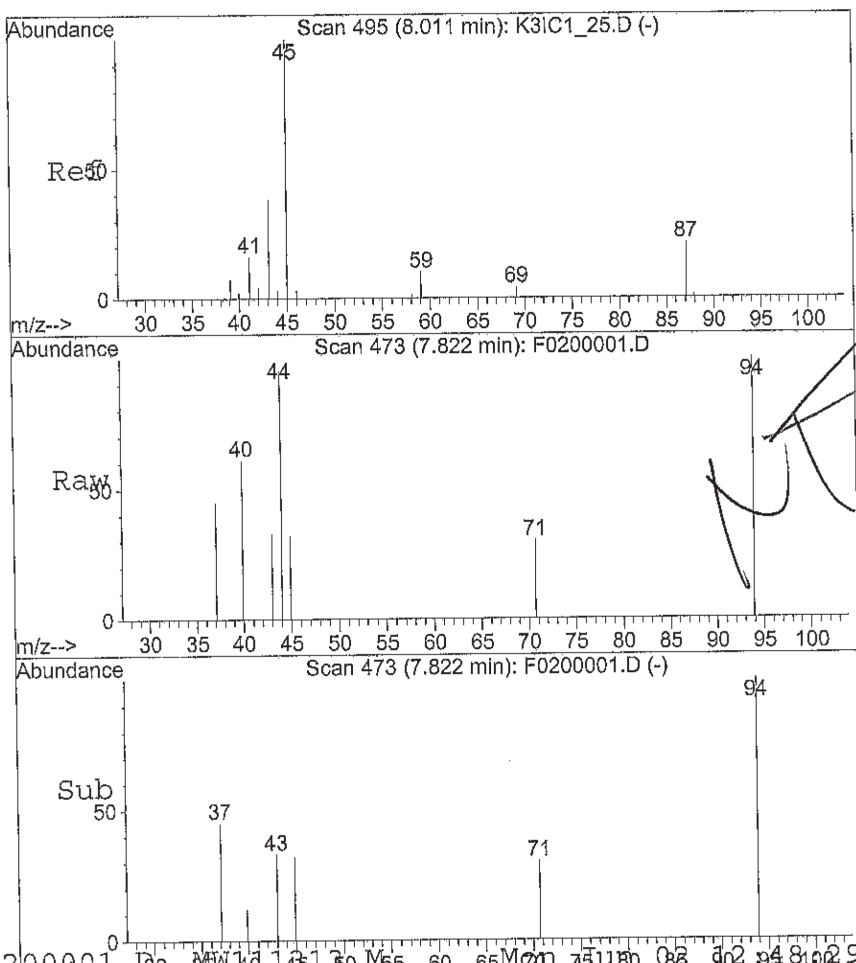


#20
2,2-Dichloropropane
Concen: 0.11 ug/L
RT: 8.78 min Scan# 587
Delta R.T. -0.05 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 77 Resp: 407

Ion	Ratio	Lower	Upper
77	100		
79	402.5	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

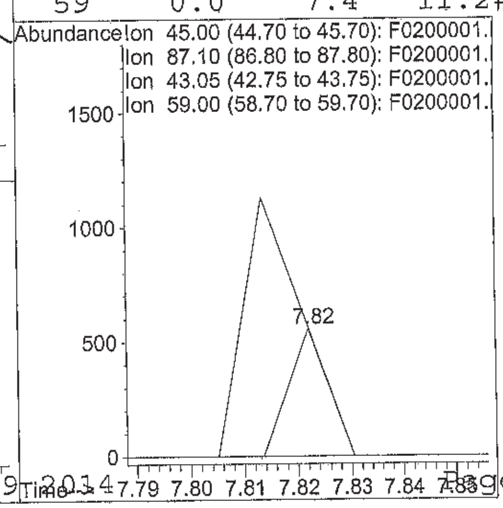


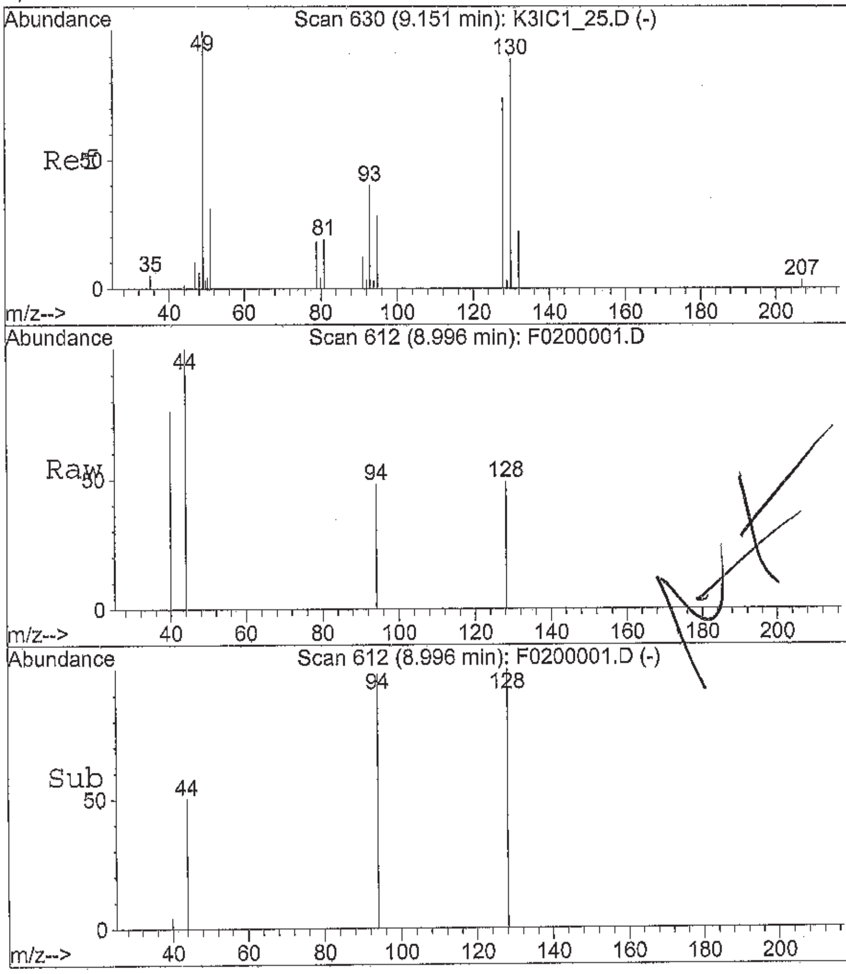


#22
(DIPE) Diisopropyl Ether
Concen: 0.04 ug/L
RT: 7.82 min Scan# 473
Delta R.T. -0.19 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 45 Resp: 282

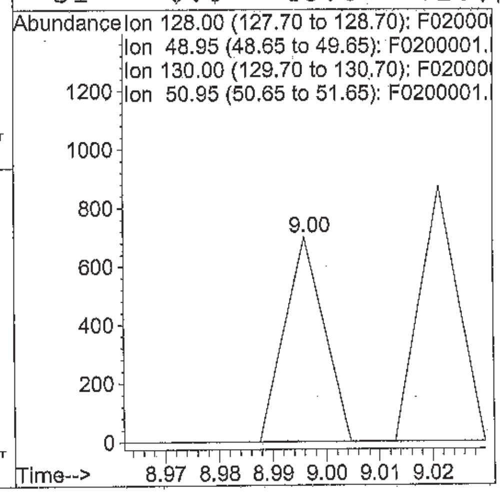
Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	304.3	30.5	45.7#
59	0.0	7.4	11.2#

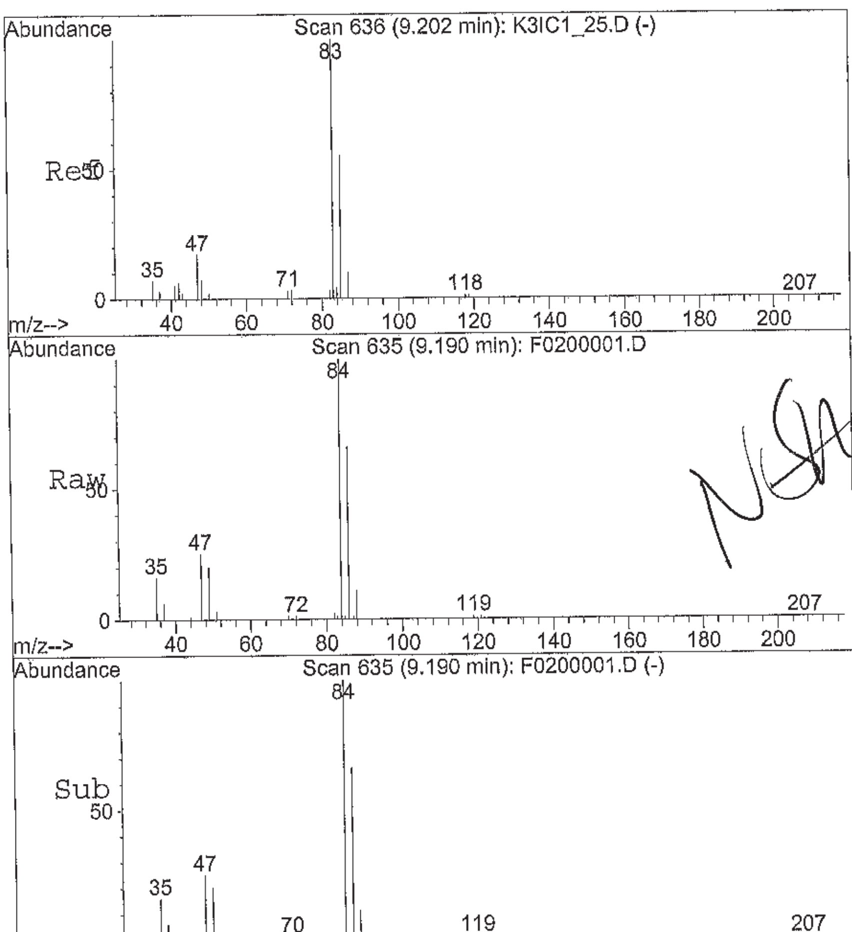




#23
Bromochloromethane
Concen: 0.28 ug/L
RT: 9.00 min Scan# 612
Delta R.T. -0.15 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

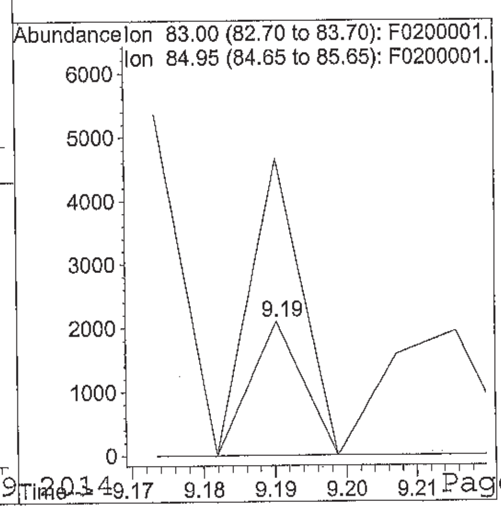
Tgt	Ion:128	Resp:	355
Ion	Ratio	Lower	Upper
128	100		
49	0.0	117.4	176.0#
130	0.0	111.0	166.6#
51	0.0	48.0	72.0#

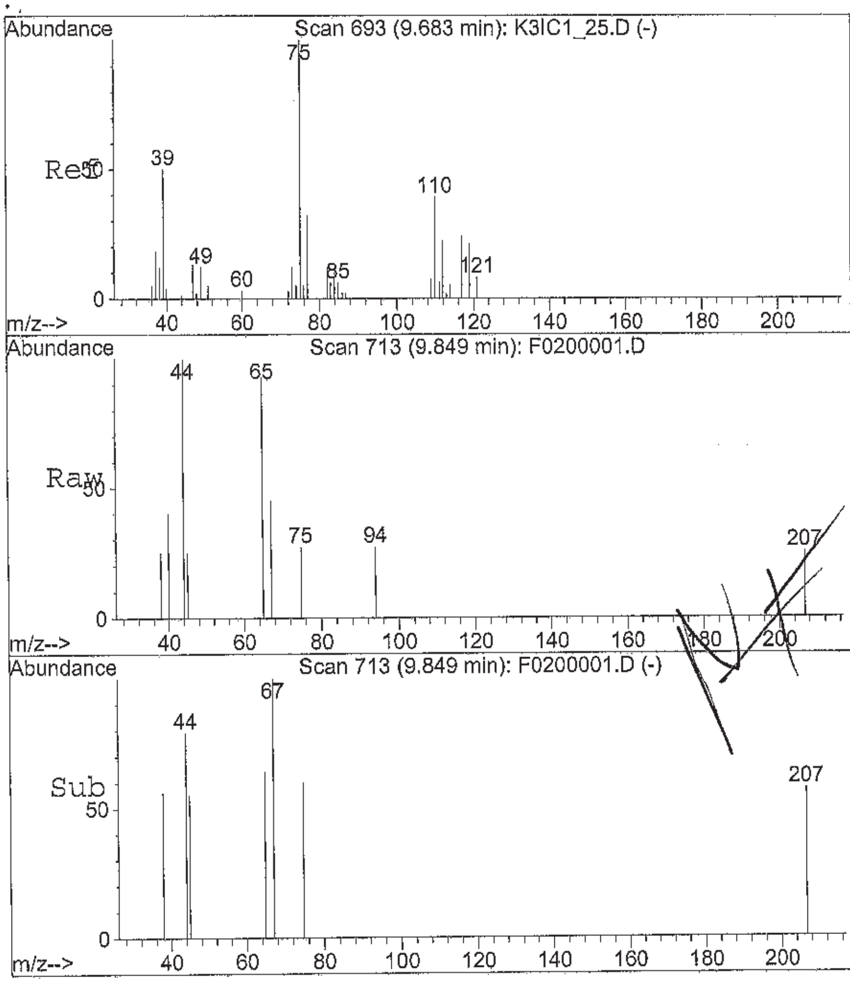




#24
Chloroform
Concen: 0.21 ug/L
RT: 9.19 min Scan# 635
Delta R.T. -0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt	Ion: 83	Resp:	1062
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

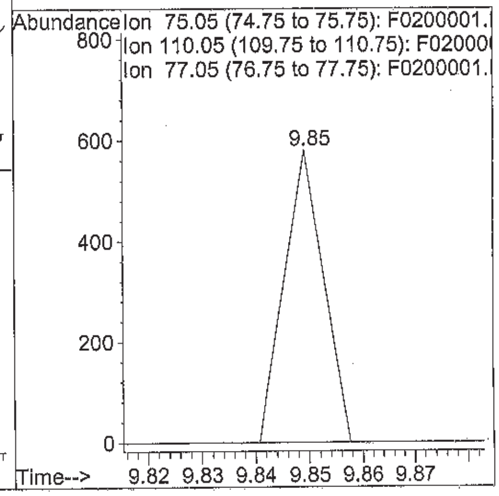


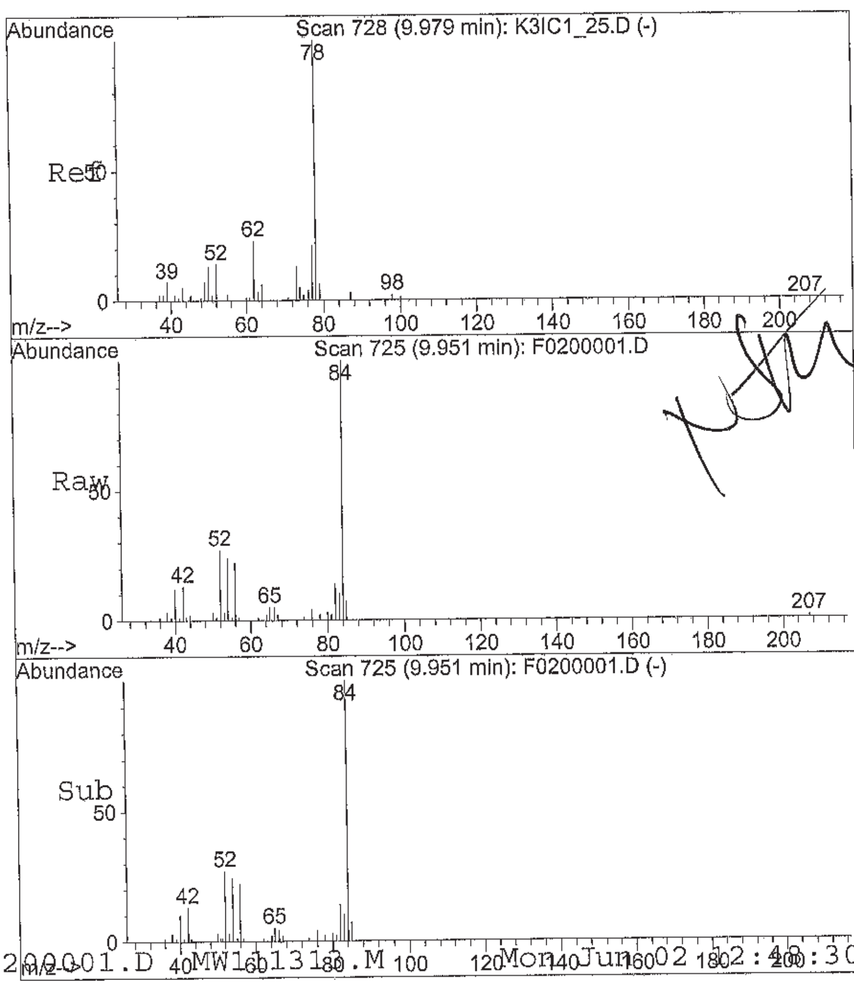


#29
1,1-Dichloropropene
Concen: 0.08 ug/L
RT: 9.85 min Scan# 713
Delta R.T. 0.17 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 75 Resp: 294

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	0.0	25.0	37.4#

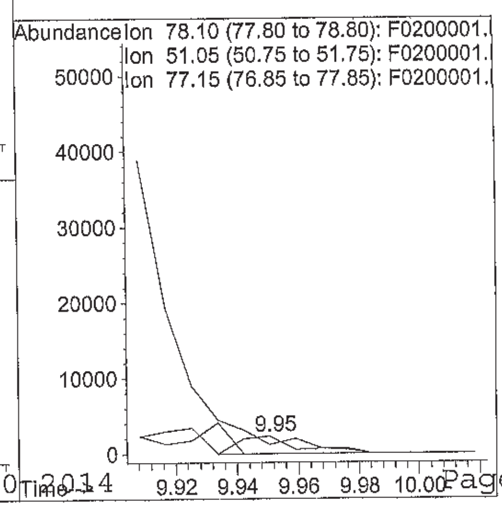


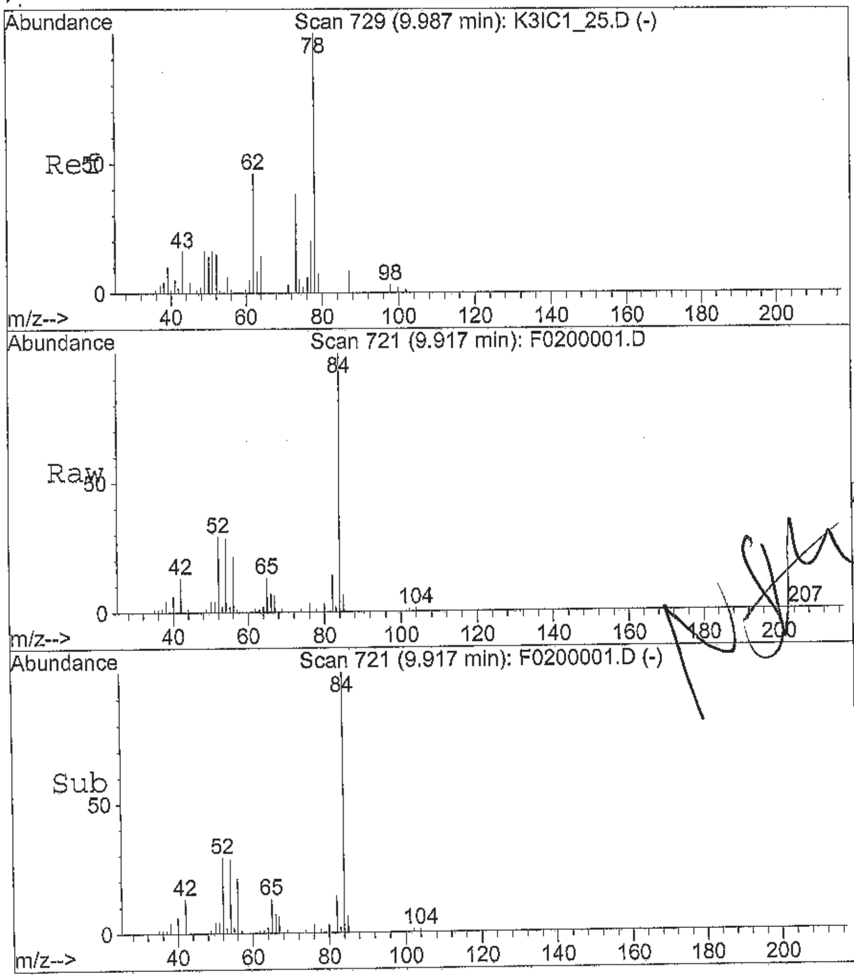


#31
Benzene
Concen: 0.34 ug/L
RT: 9.95 min Scan# 725
Delta R.T. -0.03 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 78 Resp: 3108

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

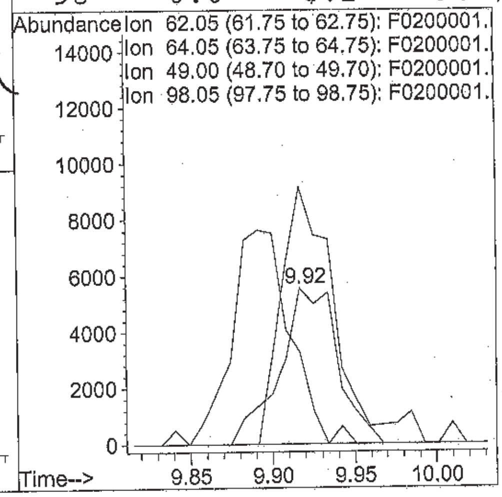


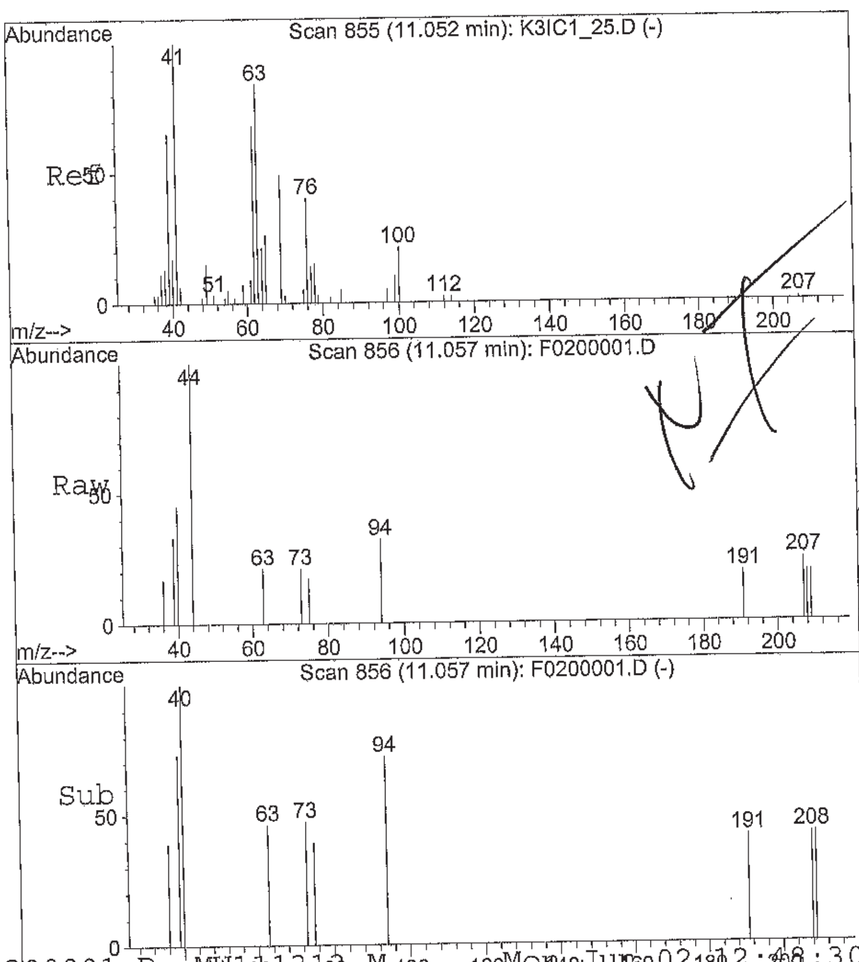


#32
1,2-Dichloroethane
Concen: 4.24 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 62 Resp: 13541

Ion	Ratio	Lower	Upper
62	100		
64	146.0	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

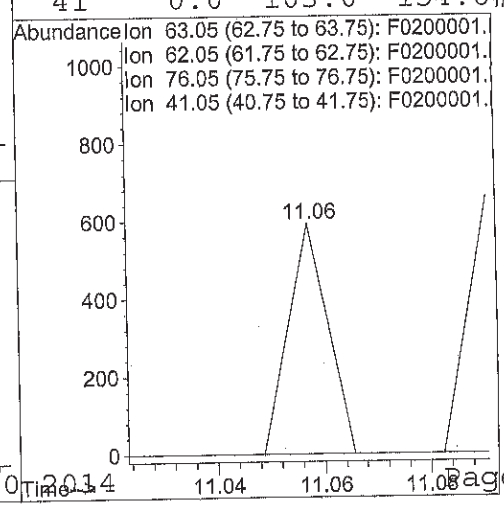


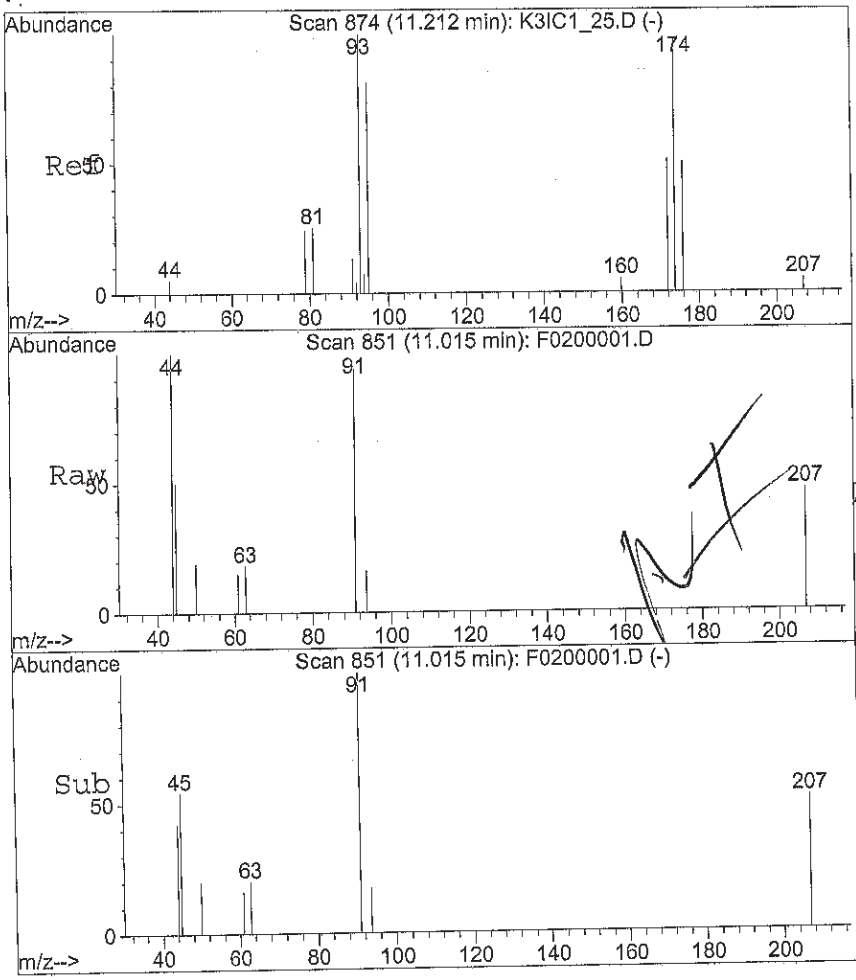


#34
1,2-Dichloropropane
Concen: 0.14 ug/L
RT: 11.06 min Scan# 856
Delta R.T. 0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 63 Resp: 300

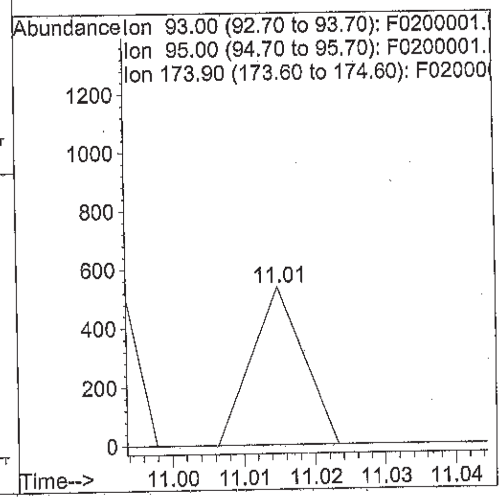
Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	0.0	103.0	154.6#

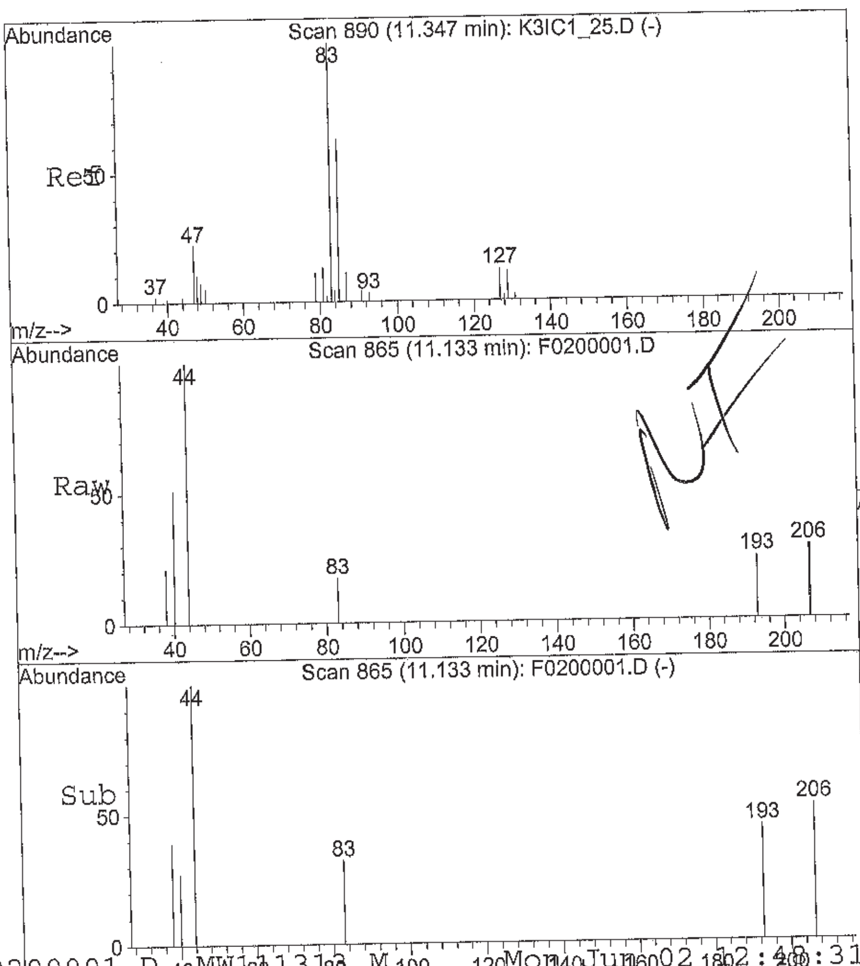




#35
Dibromomethane
Concen: 0.16 ug/L
RT: 11.01 min Scan# 851
Delta R.T. -0.20 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

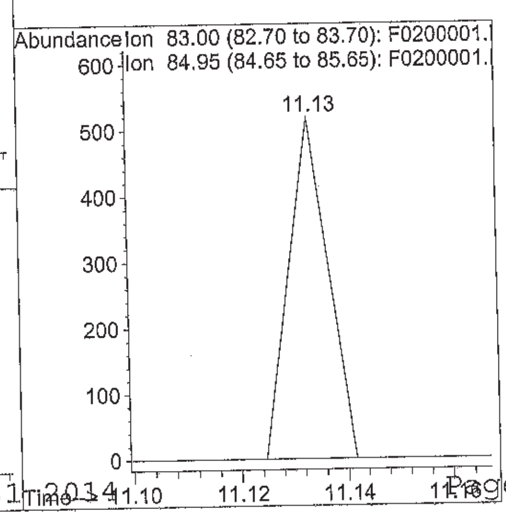
Tgt Ion: 93	Resp:		272
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

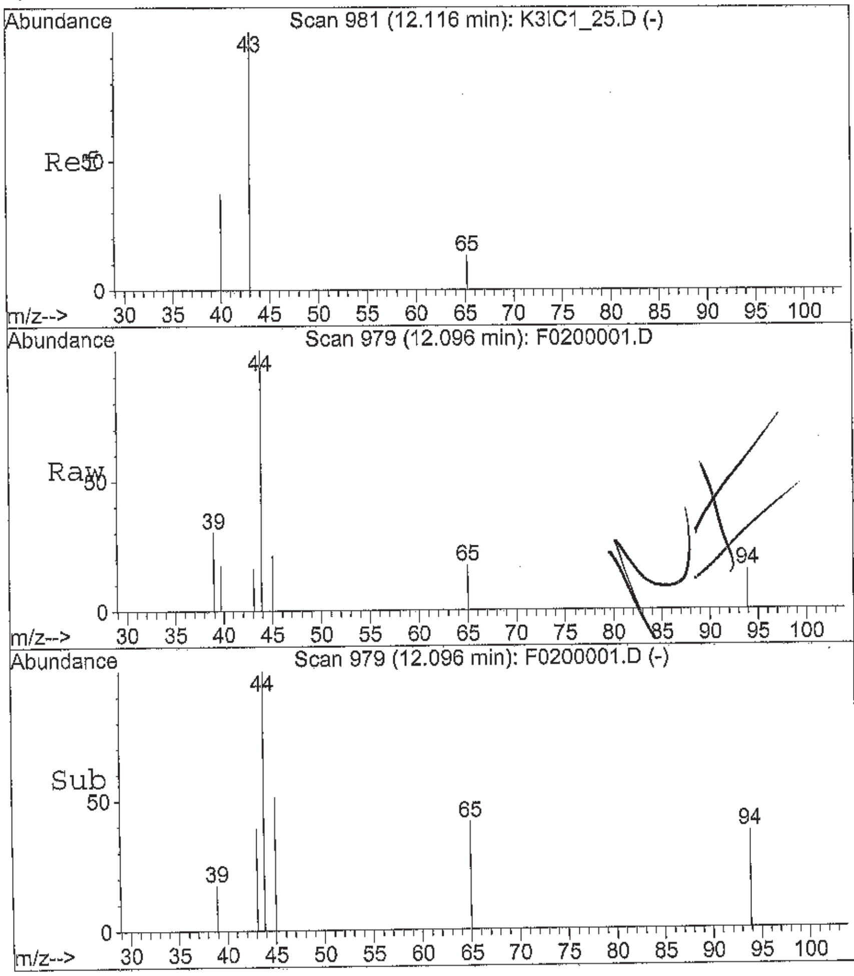




#36
Bromodichloromethane
Concen: 0.08 ug/L
RT: 11.13 min Scan# 865
Delta R.T. -0.21 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 83	Resp:		263
Ion	Ratio	Lower	Upper
83	100		
85	0.0	48.2	72.2#

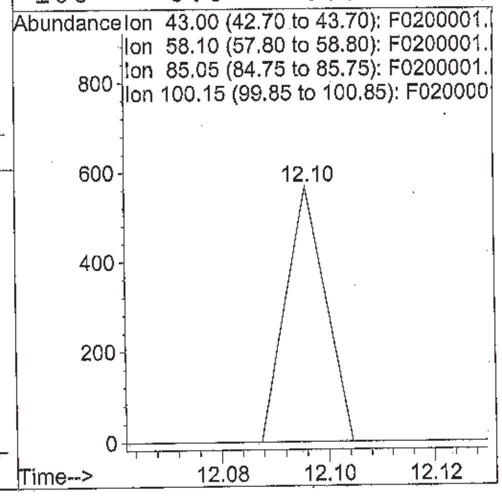


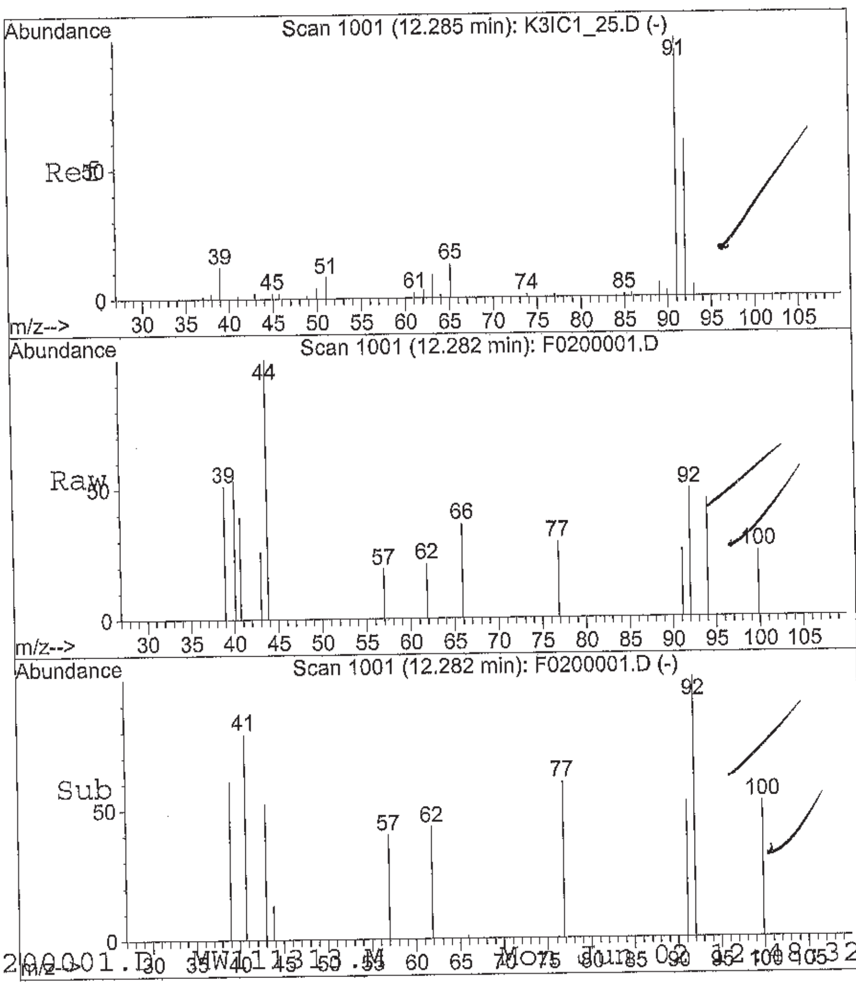


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.16 ug/L
RT: 12.10 min Scan# 979
Delta R.T. -0.02 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 43 Resp: 288

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

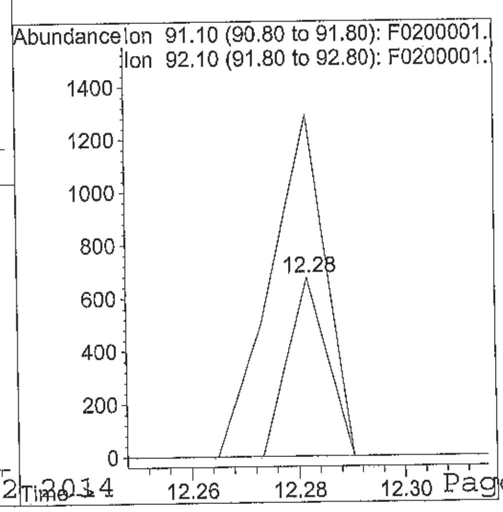


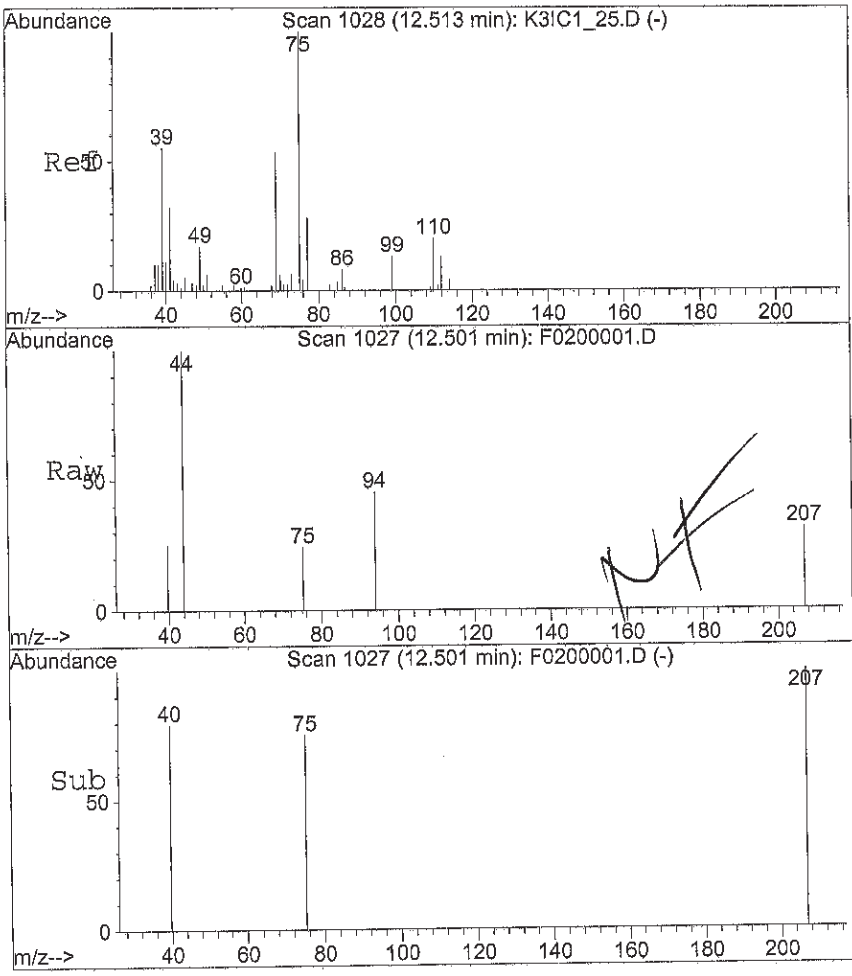


#41
Toluene
Concen: 0.03 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.00 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 91 Resp: 342

Ion	Ratio	Lower	Upper
91	100		
92	266.7	47.4	71.0#

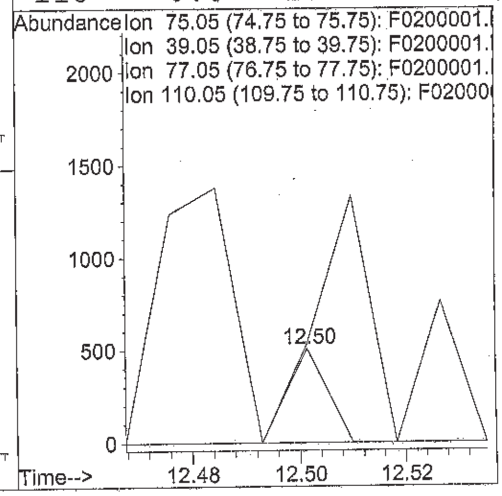


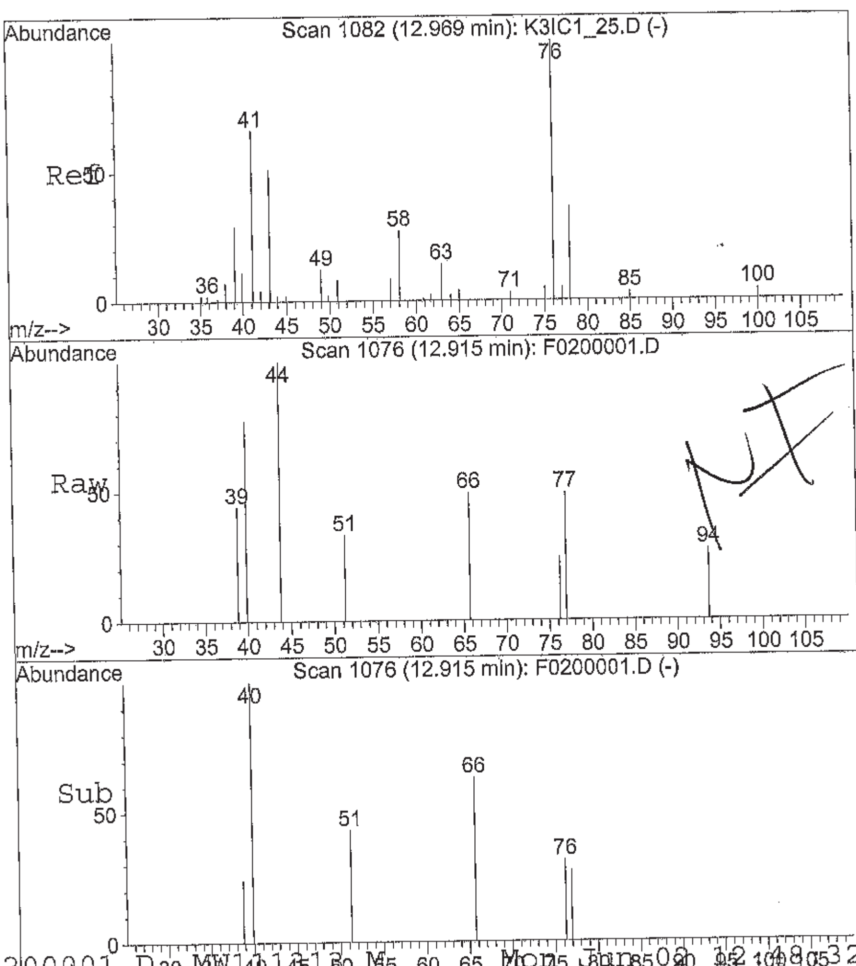


#42
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 12.50 min Scan# 1027
Delta R.T. -0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 75 Resp: 256

Ion	Ratio	Lower	Upper
75	100		
39	519.9	53.6	80.4#
77	0.0	25.4	38.2#
110	0.0	17.6	26.4#

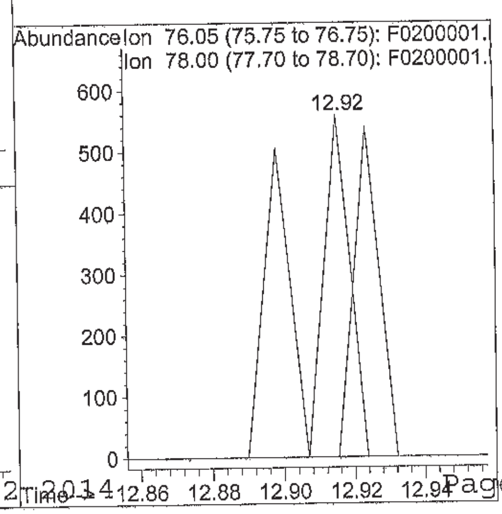


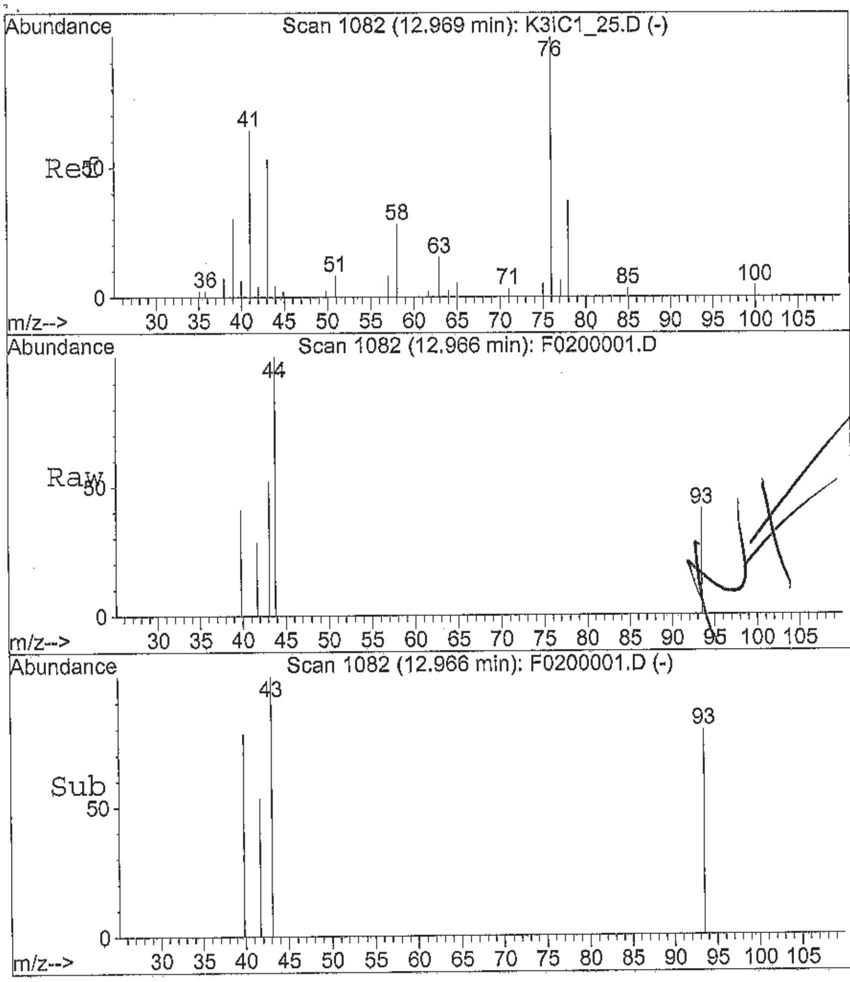


#45
1,3-Dichloropropane
Concen: 0.13 ug/L
RT: 12.92 min Scan# 1076
Delta R.T. -0.05 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 76 Resp: 539

Ion	Ratio	Lower	Upper
76	100		
78	50.6	26.9	40.3#

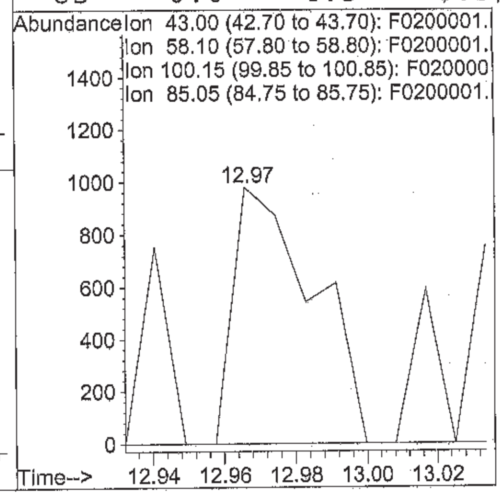


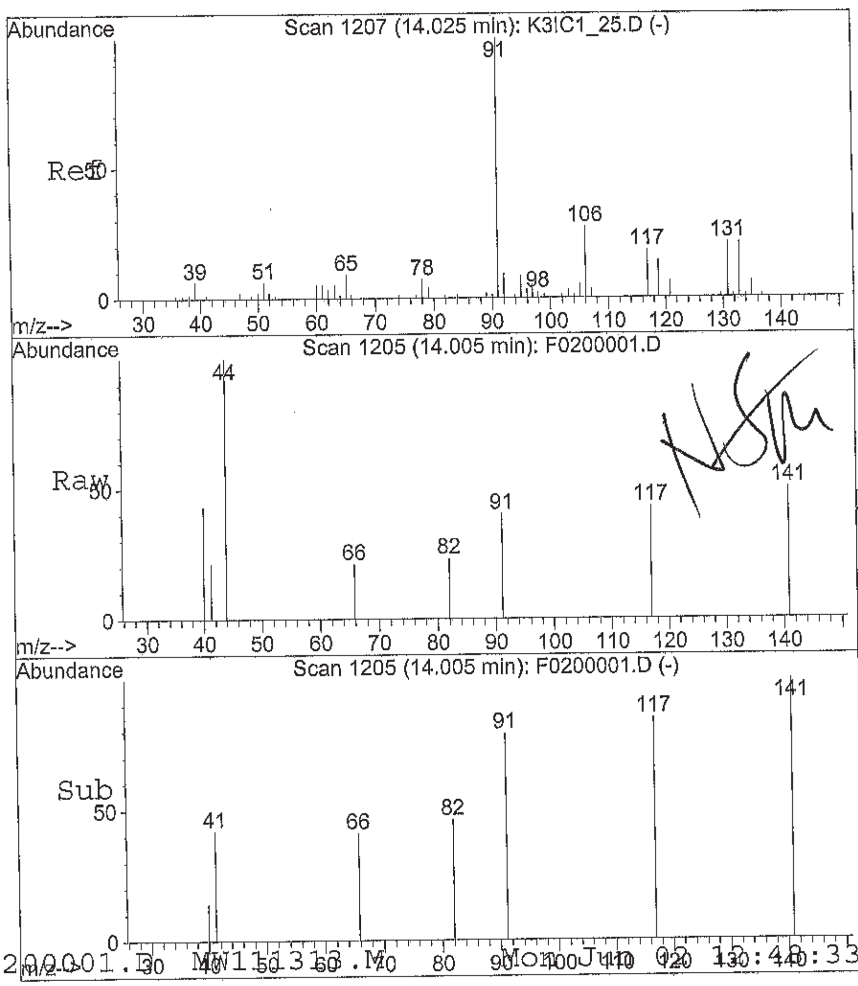


#46
2-Hexanone
Concen: 0.78 ug/L
RT: 12.97 min Scan# 1082
Delta R.T. -0.00 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 43 Resp: 1526

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

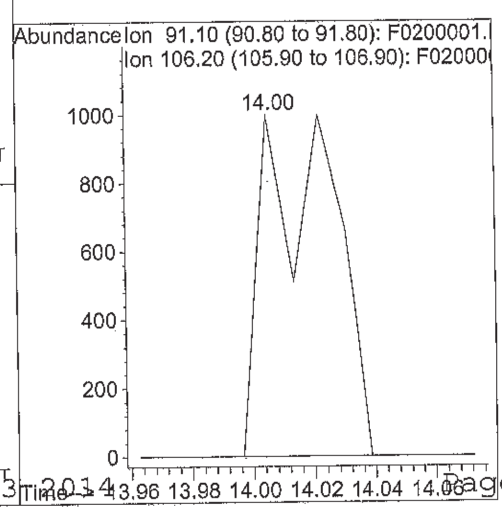


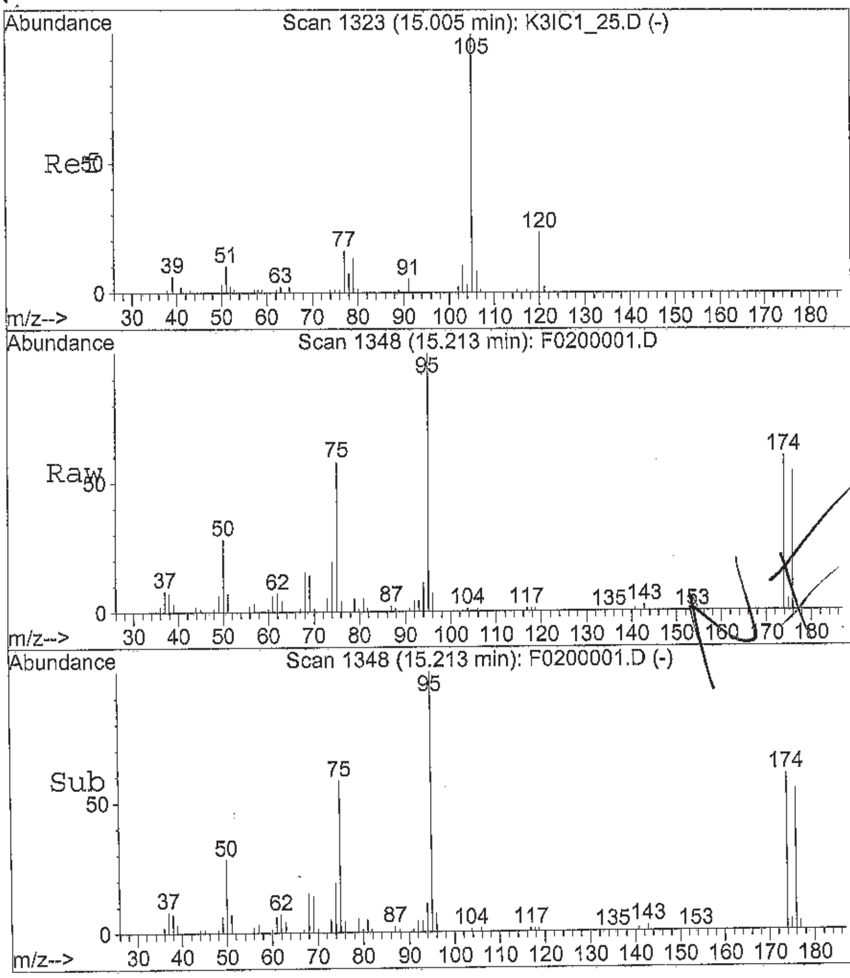


#51
Ethylbenzene
Concen: 0.12 ug/L
RT: 14.00 min Scan# 1205
Delta R.T. -0.02 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 91 Resp: 1606

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

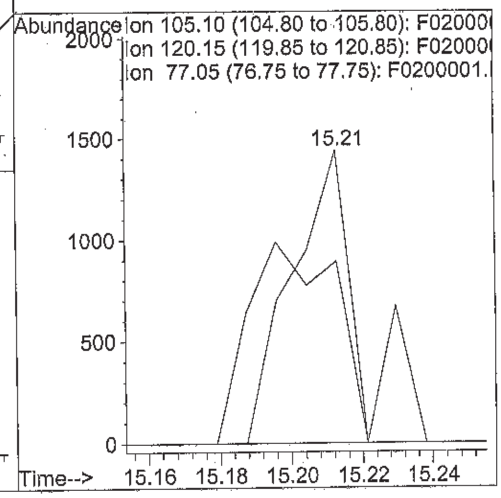


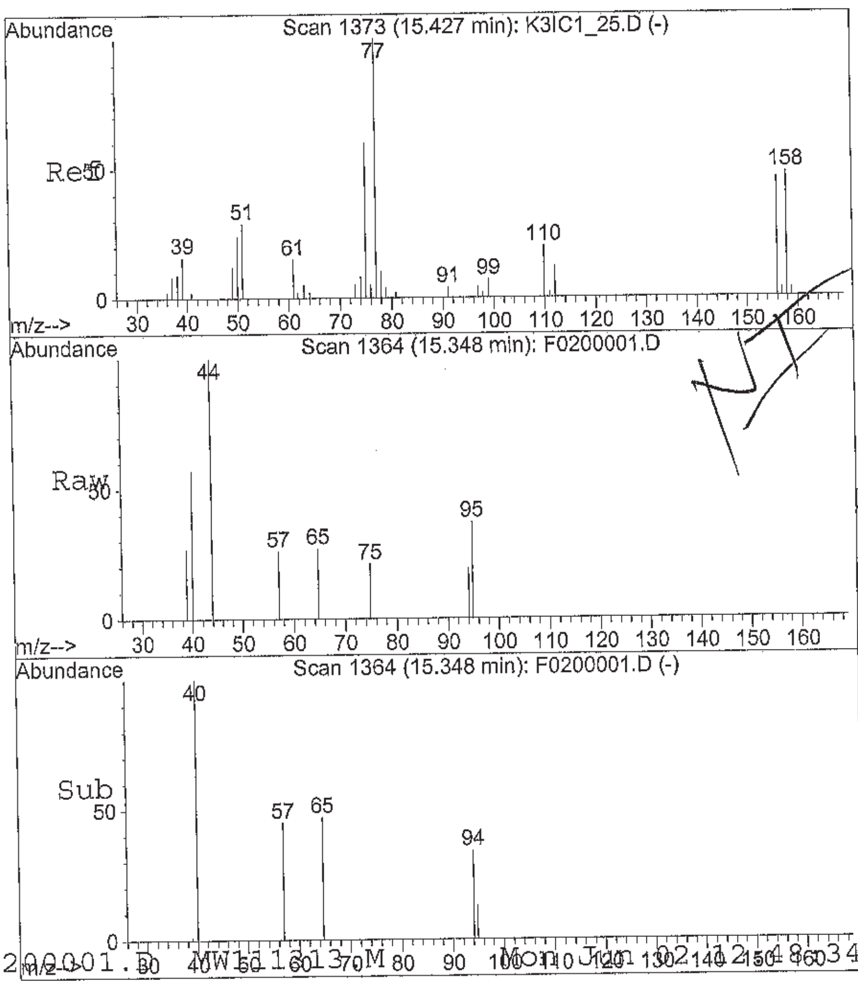


#56
Isopropylbenzene
Concen: 0.12 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. 0.21 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:105 Resp: 1562

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	128.8	13.1	19.7#

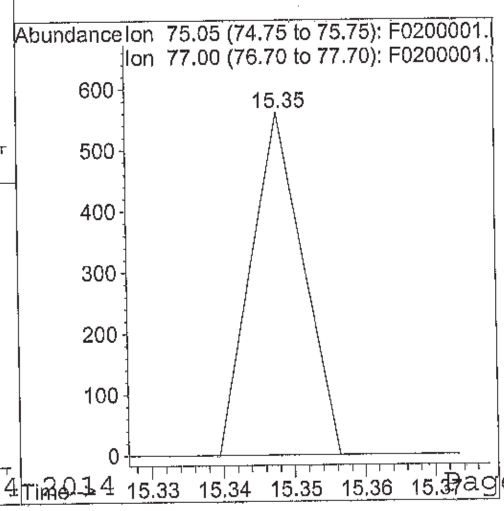


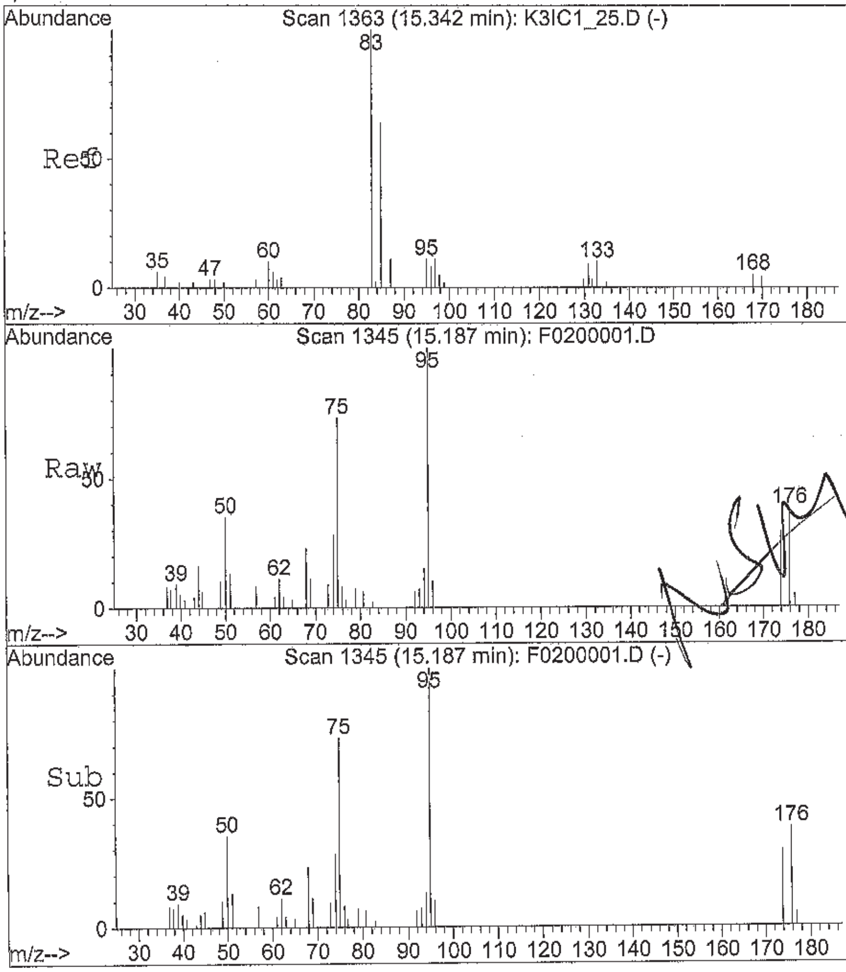


#57
1,2,3-Trichloropropane
Concen: 0.08 ug/L
RT: 15.35 min Scan# 1364
Delta R.T. -0.08 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 75 Resp: 284

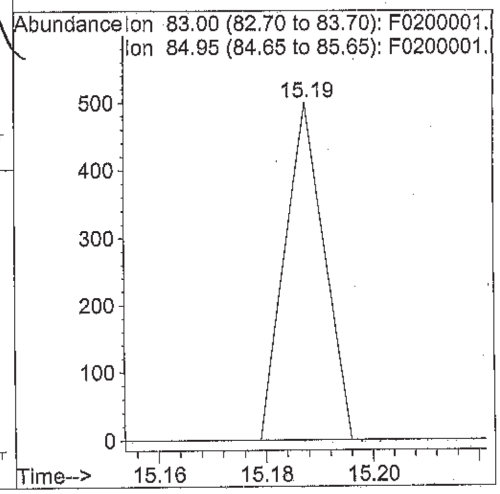
Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

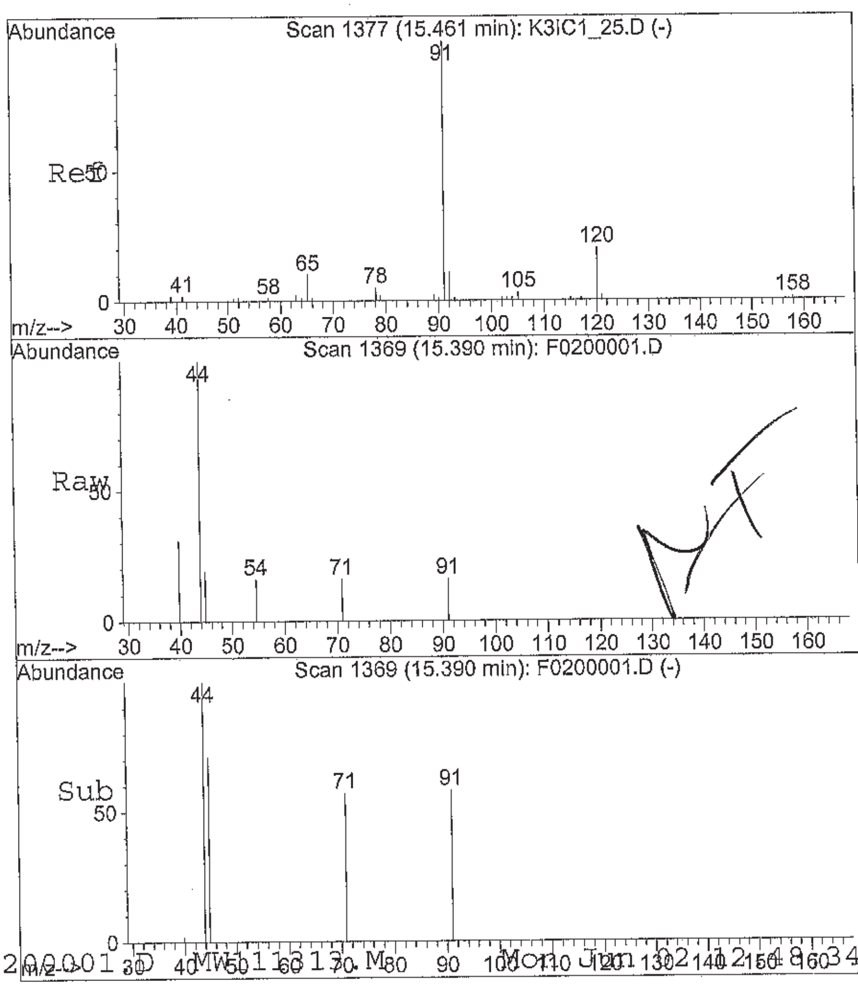




#60
1,1,2,2-Tetrachloroethane
Concen: 0.08 ug/L
RT: 15.19 min Scan# 1345
Delta R.T. -0.15 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

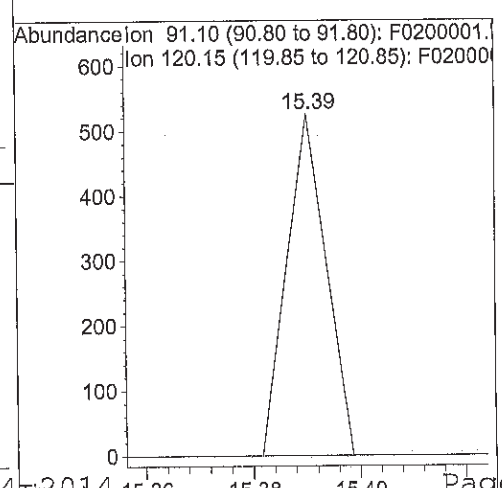
Tgt Ion: 83	Resp:		253
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.2	76.8#

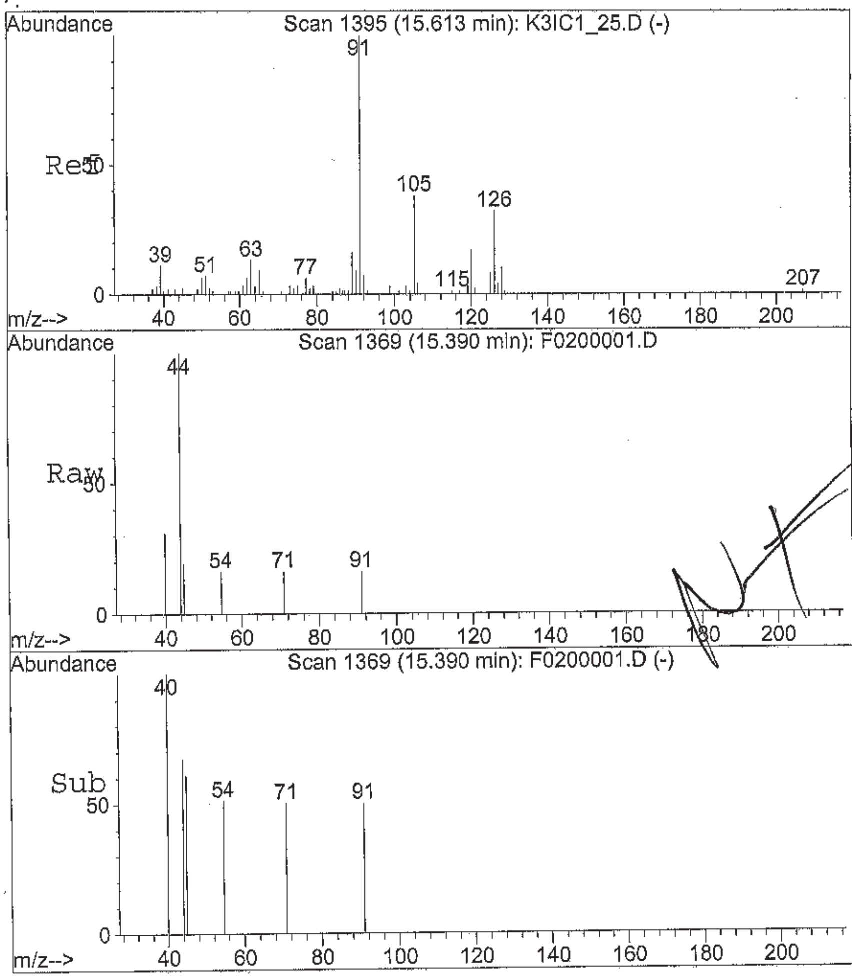




#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.39 min Scan# 1369
Delta R.T. -0.07 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 91	Resp:		267
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

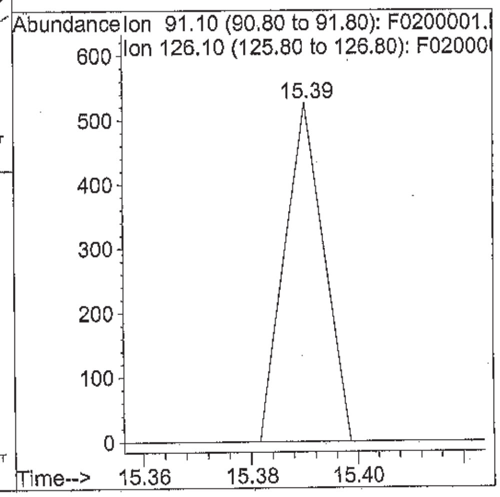


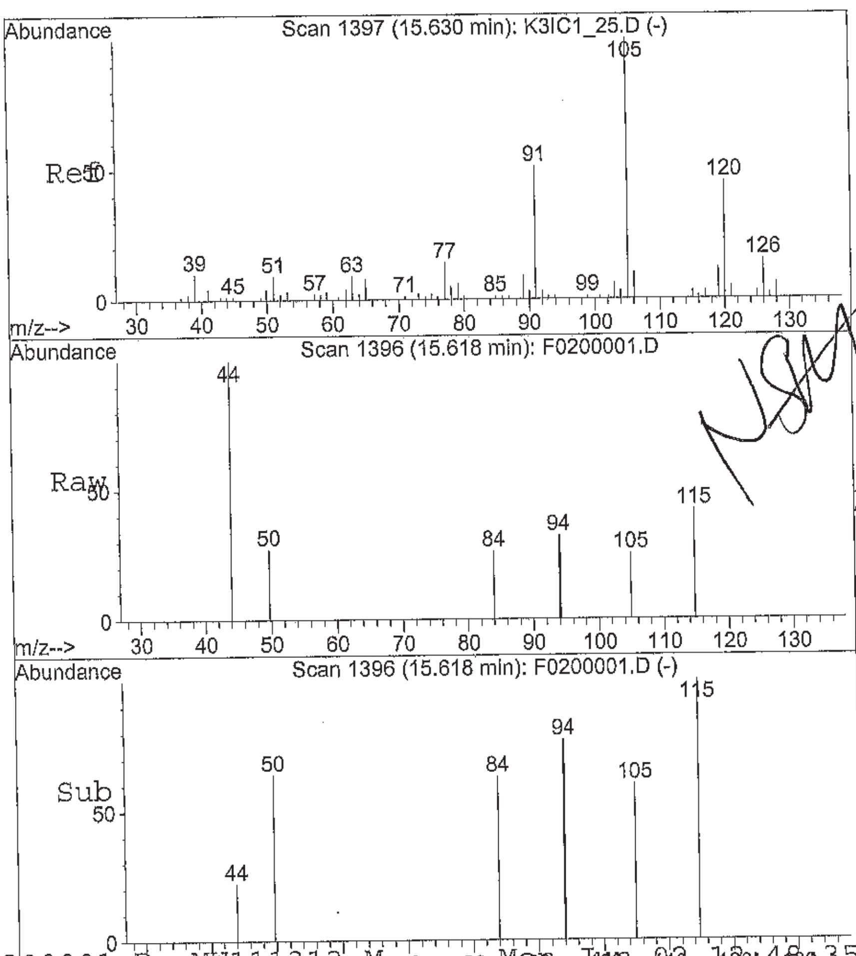


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.39 min Scan# 1369
Delta R.T. -0.22 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 91 Resp: 267

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

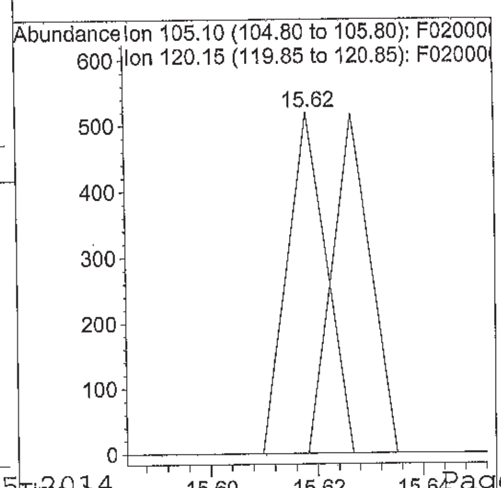




#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:105 Resp: 264

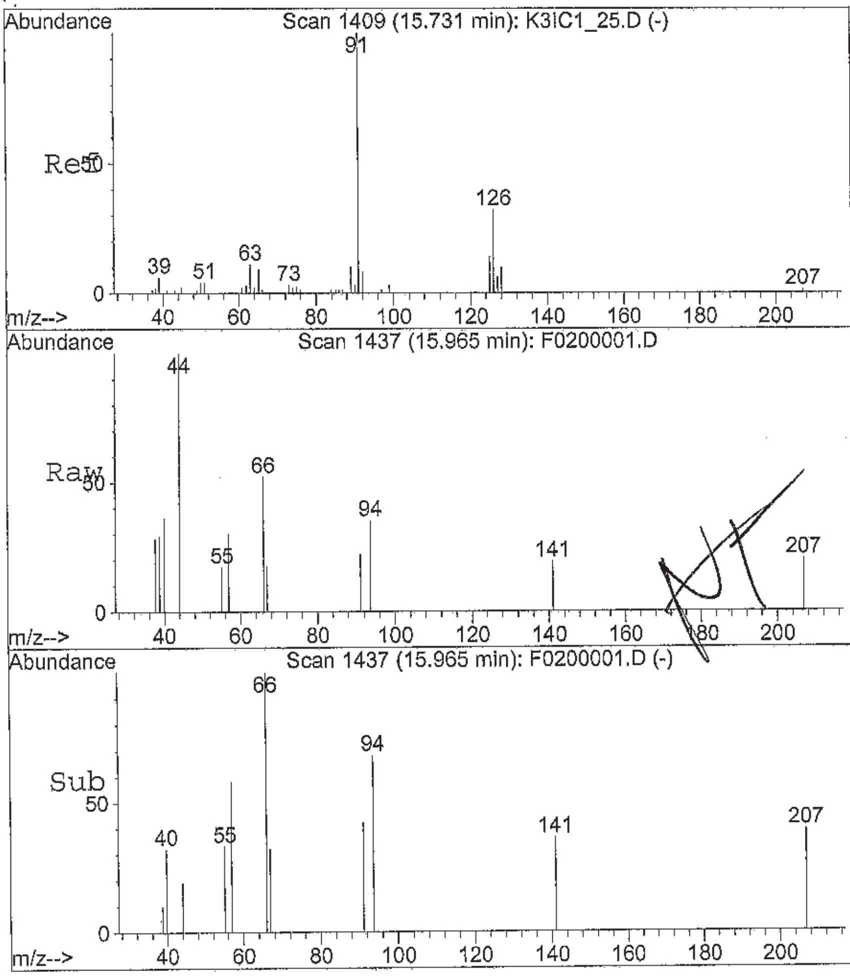
Ion	Ratio	Lower	Upper
105	100		
120	99.2	36.4	54.6#

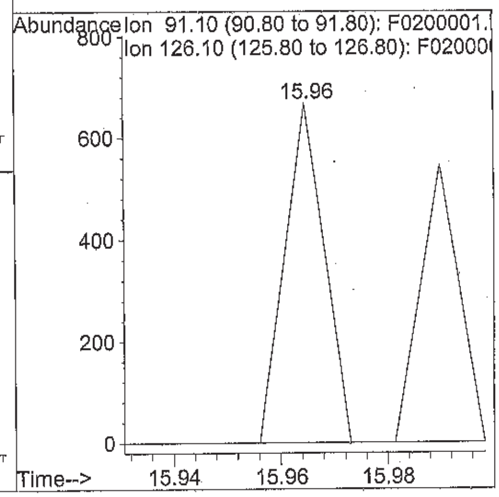


#65
4-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.96 min Scan# 1437
Delta R.T. 0.23 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 91 Resp: 339

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

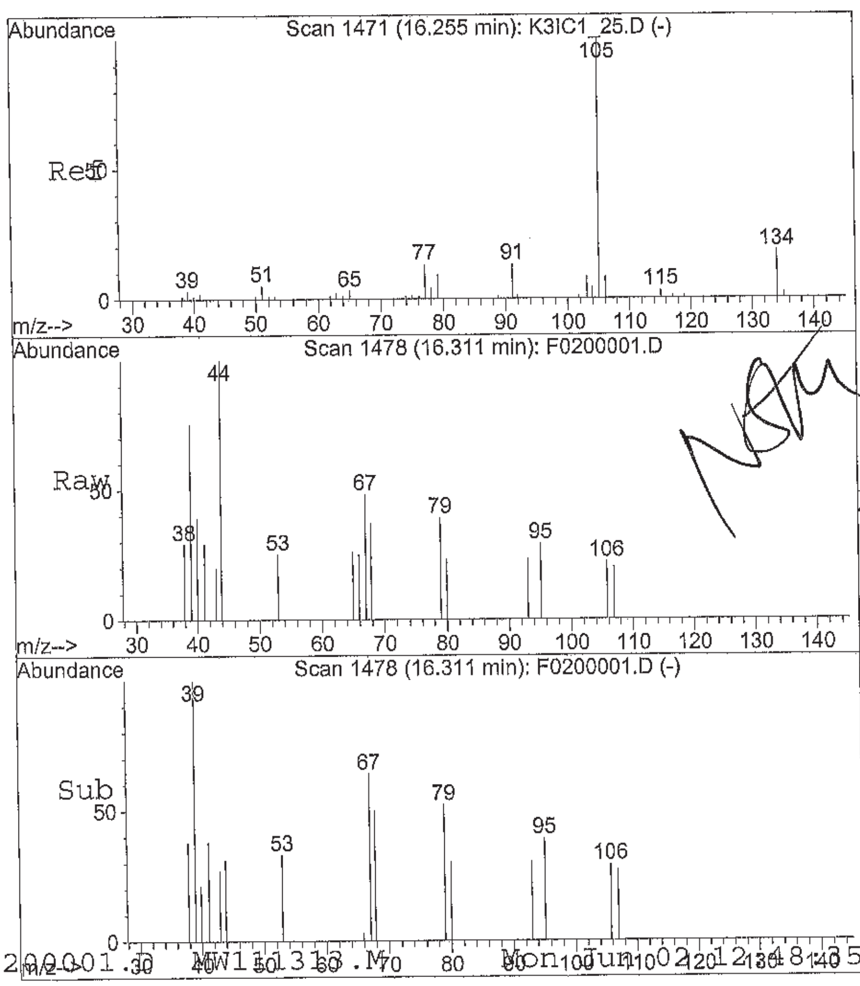


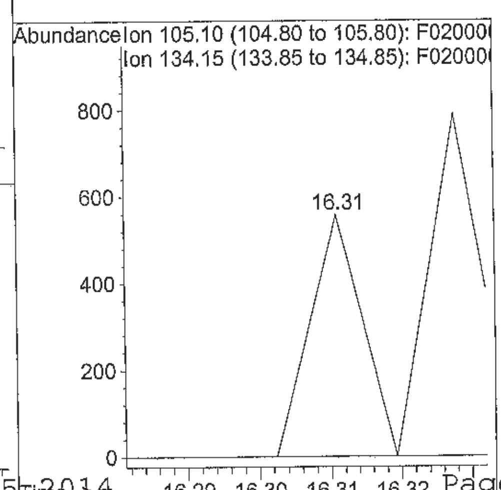


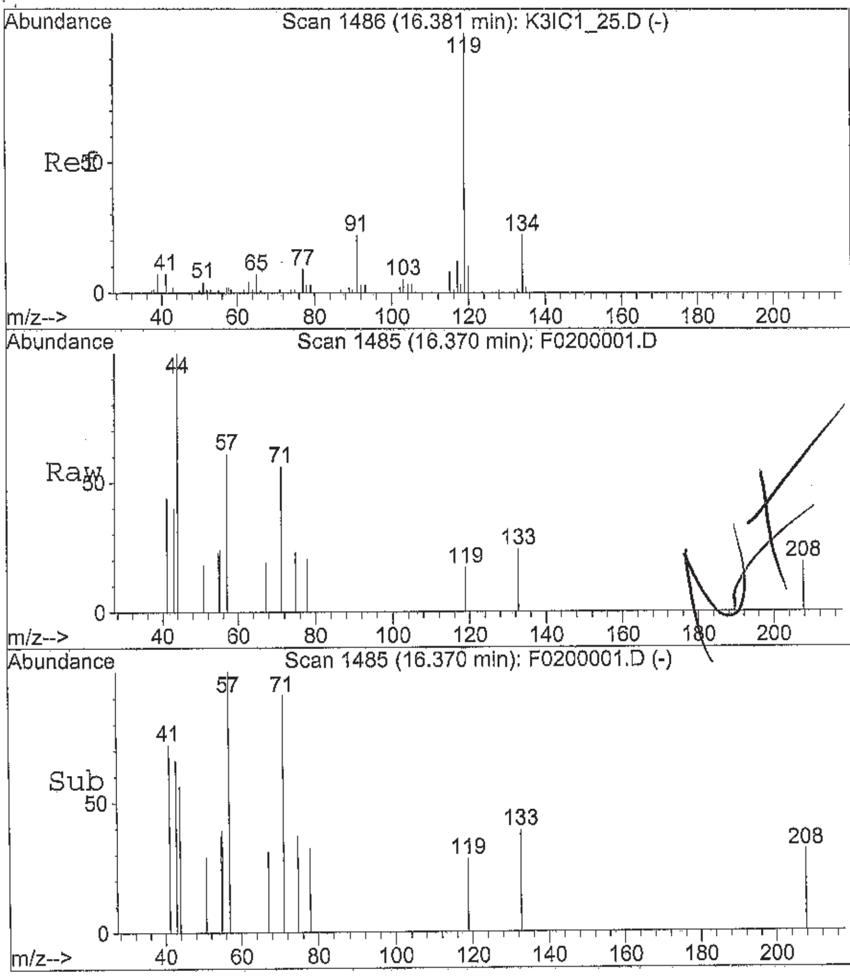
#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.31 min Scan# 1478
Delta R.T. 0.06 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:105 Resp: 283

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#



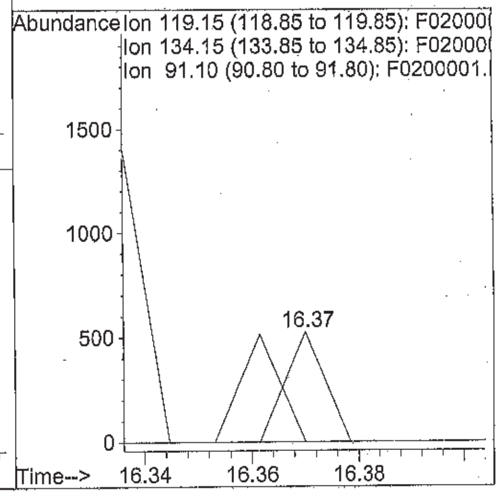


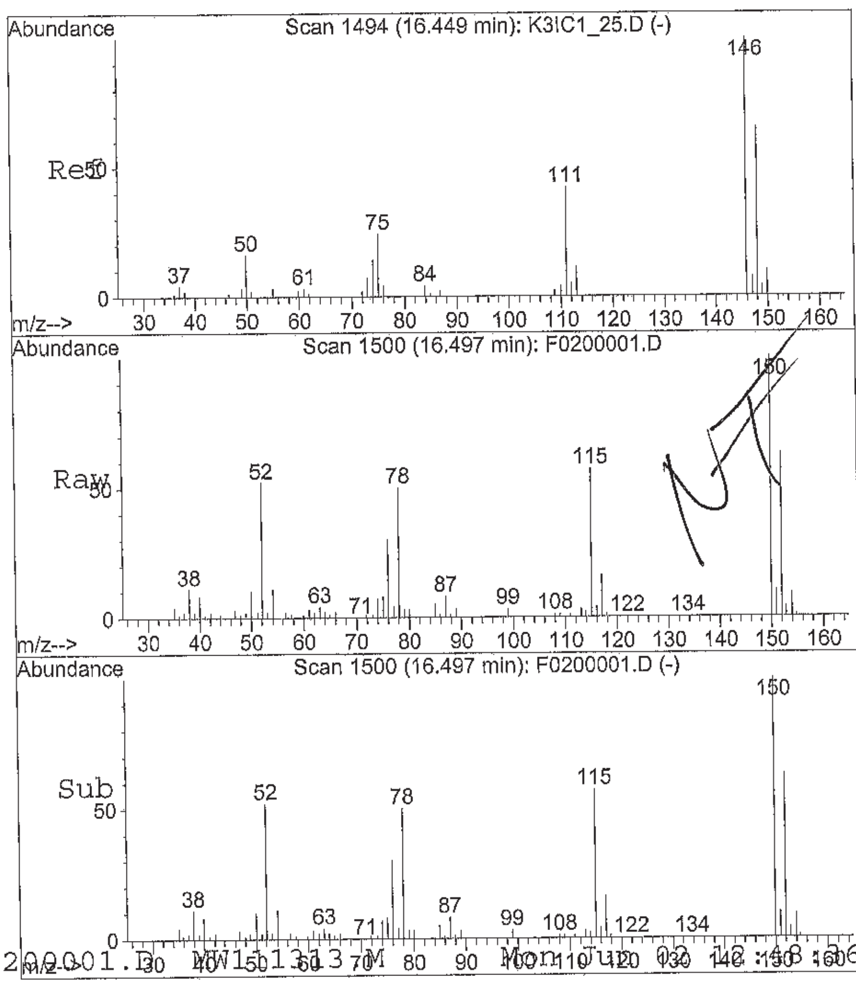


#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:119 Resp: 266

Ion	Ratio	Lower	Upper
119	100		
134	97.7	17.4	26.2#
91	0.0	19.6	29.4#

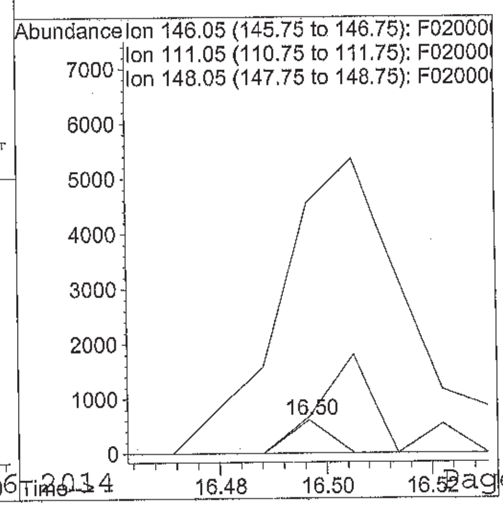


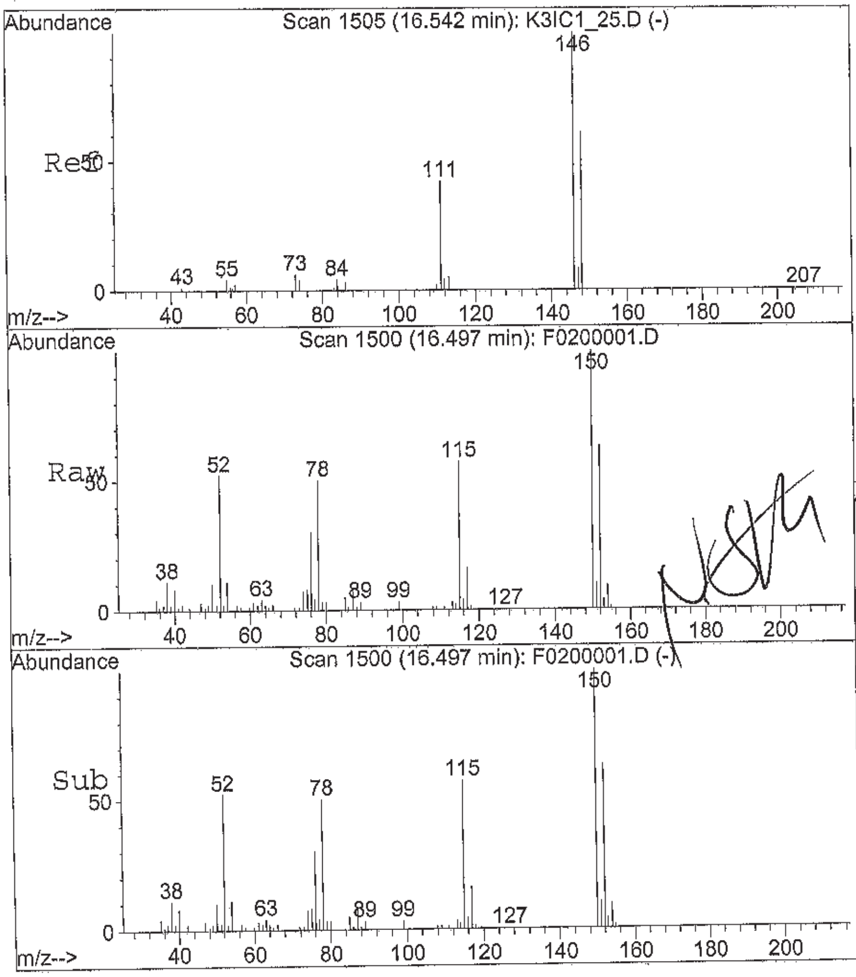


#70
1,3-Dichlorobenzene
Concen: 0.05 ug/L
RT: 16.50 min Scan# 1500
Delta R.T. 0.05 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:146 Resp: 307

Ion	Ratio	Lower	Upper
146	100		
111	2899.0	34.2	51.4#
148	495.4	50.9	76.3#

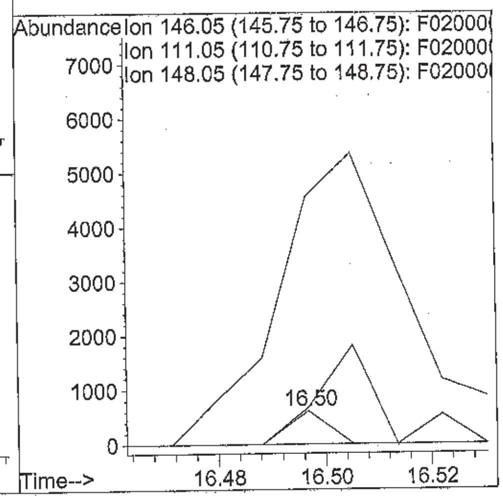


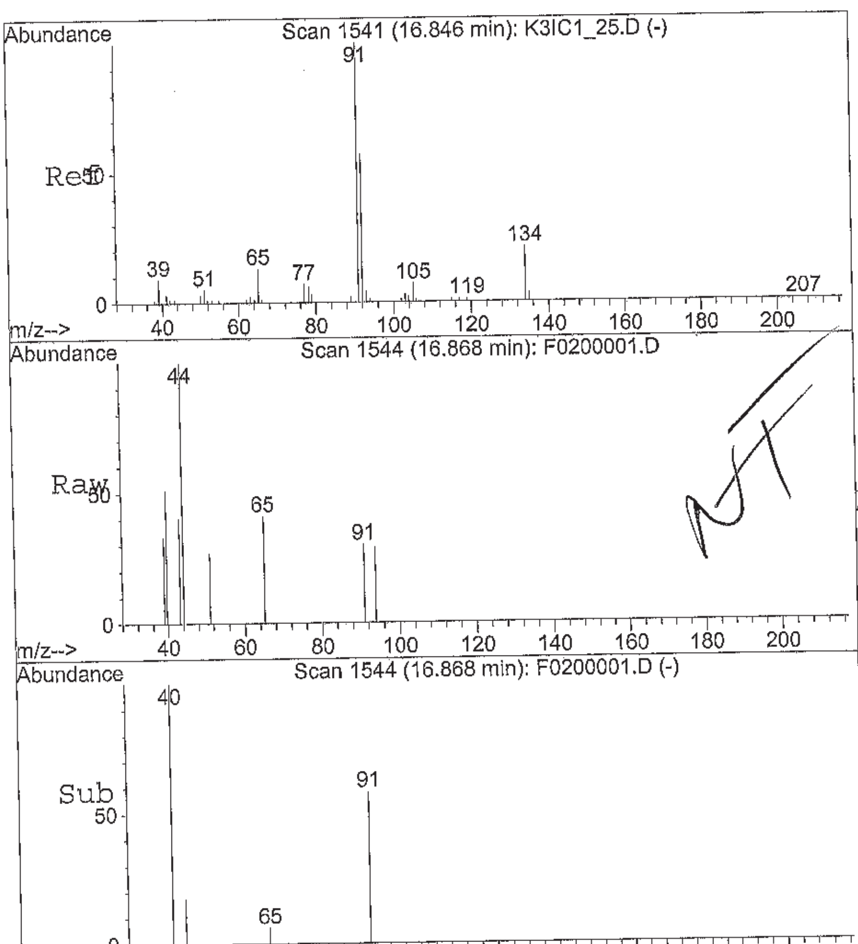


#71
1,4-Dichlorobenzene
Concen: 0.05 ug/L
RT: 16.50 min Scan# 1500
Delta R.T. -0.05 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion:146 Resp: 307

Ion	Ratio	Lower	Upper
146	100		
111	2899.0	37.6	56.4#
148	495.4	52.6	78.8#

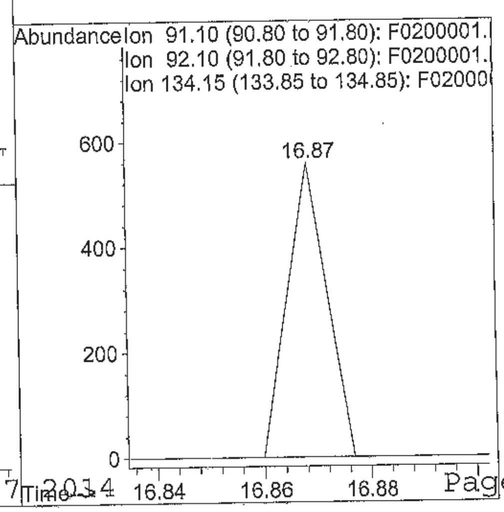


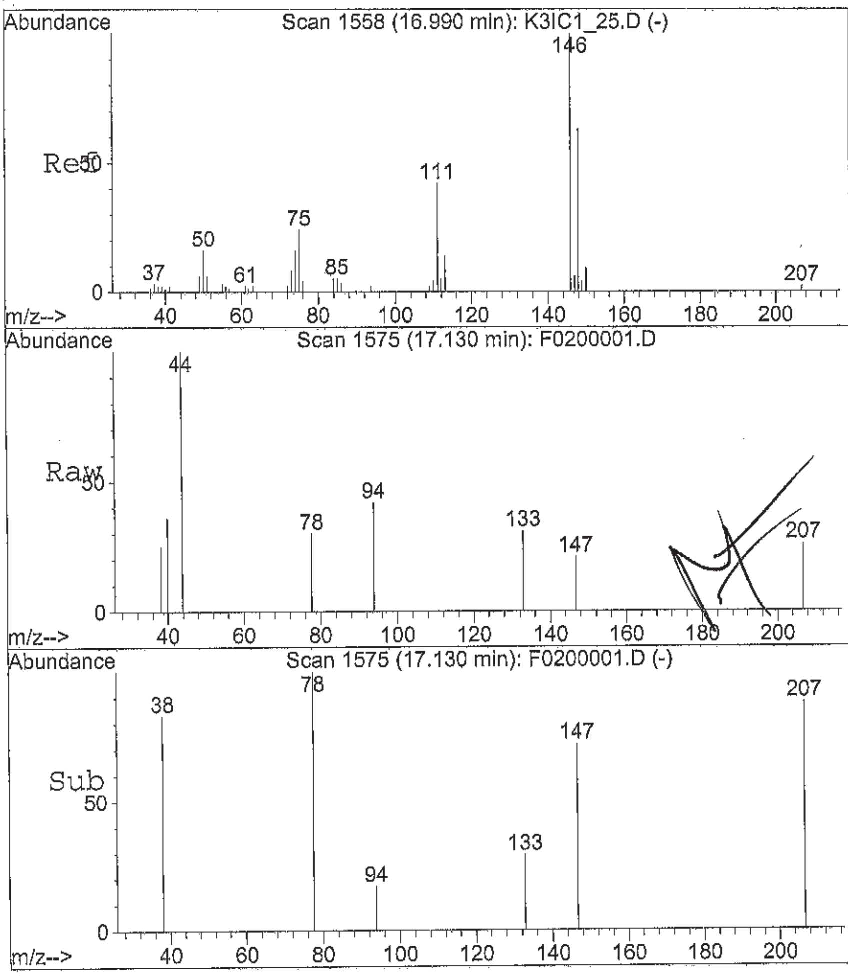


#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.87 min Scan# 1544
Delta R.T. 0.02 min
Lab File: F0200001.D
Acq: 2 Jun 2014 11:46 am

Tgt Ion: 91 Resp: 283

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#

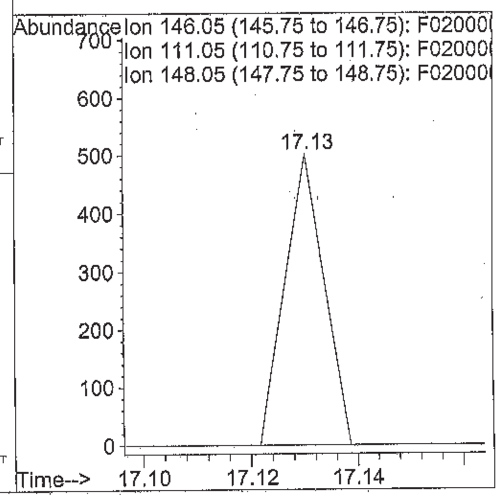


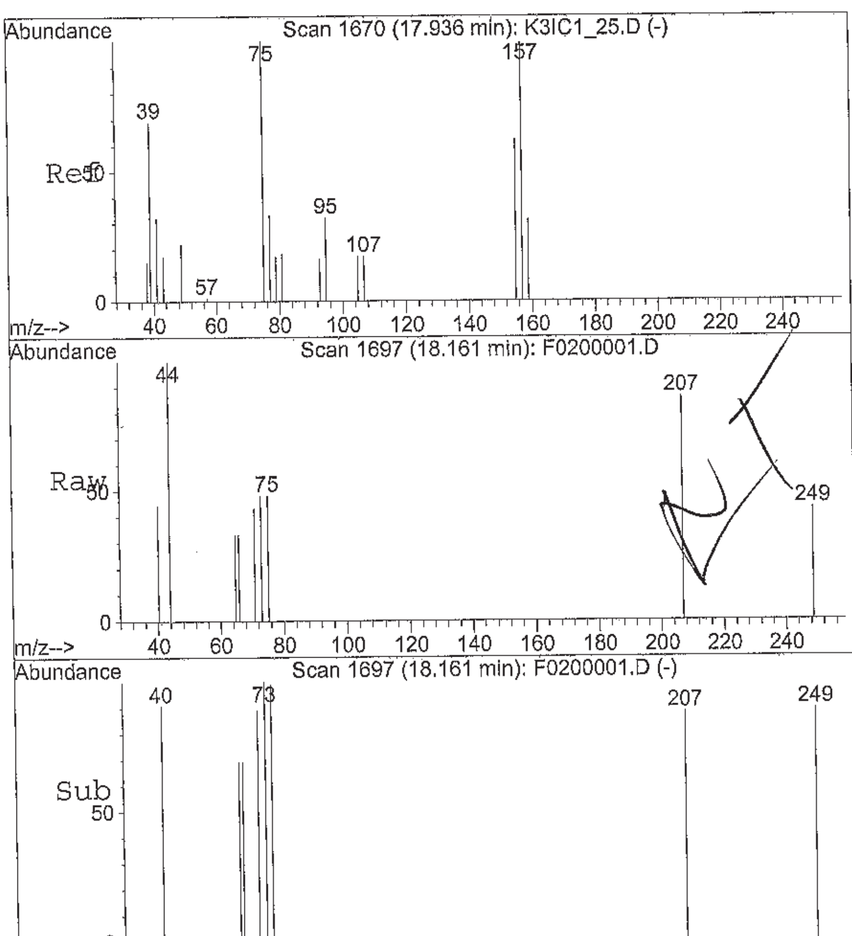


#73
1,2-Dichlorobenzene
Concen: 0.04 ug/L
RT: 17.13 min   Scan# 1575
Delta R.T.   0.14 min
Lab File: F0200001.D
Acq: 2 Jun 2014   11:46 am

Tgt Ion:146 Resp: 254

Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.7	52.1#
148	0.0	51.7	77.5#

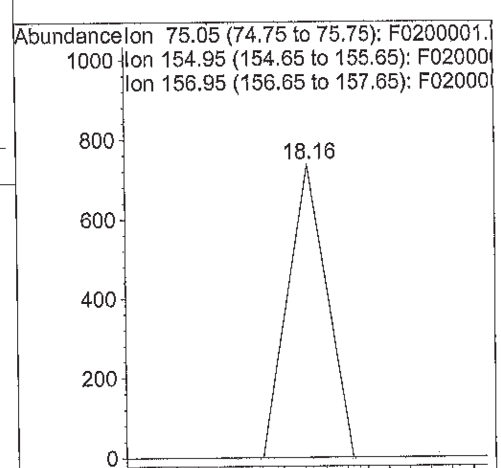




#74
1,2-Dibromo-3-chloropropane
Concen: 1.59 ug/L
RT: 18.16 min   Scan# 1697
Delta R.T.   0.23 min
Lab File: F0200001.D
Acq: 2 Jun 2014   11:46 am

Tgt Ion: 75 Resp: 374

Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\060214L3\F0200001.D           Vial: 11
Acq On    :  2 Jun 2014  11:46 am                        Operator: DN
Sample    : 3F40201-01                                   Inst     : GC/MS Ins
Misc      : 100cc  Equipment Blank                       Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun  3  7:23 19114               Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	959959	12.50 ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	899548	12.50 ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	456072	12.50 ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	270525m	10.84 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery	= 86.72%	
3) Chloroform-d (SU6)	9.17	84	462180m	12.90 ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery	= 103.20%	
4) Methylene Chloride-d2 (SU5	7.07	86	277877m	13.27 ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery	= 106.16%	
5) 1,2-Dichloroethane-d4 (SU2	9.88	65	227984m	13.36 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery	= 106.88%	
6) Benzene-d6 (SU7)	9.93	84	1056734m	14.03 ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery	= 112.24%	
8) Toluene-d8 (SU3)	12.20	98	947418	11.10 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery	= 88.80%	
9) 4-Bromofluorobenzene (SU4)	15.21	95	392355m	11.14 ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery	= 89.12%	

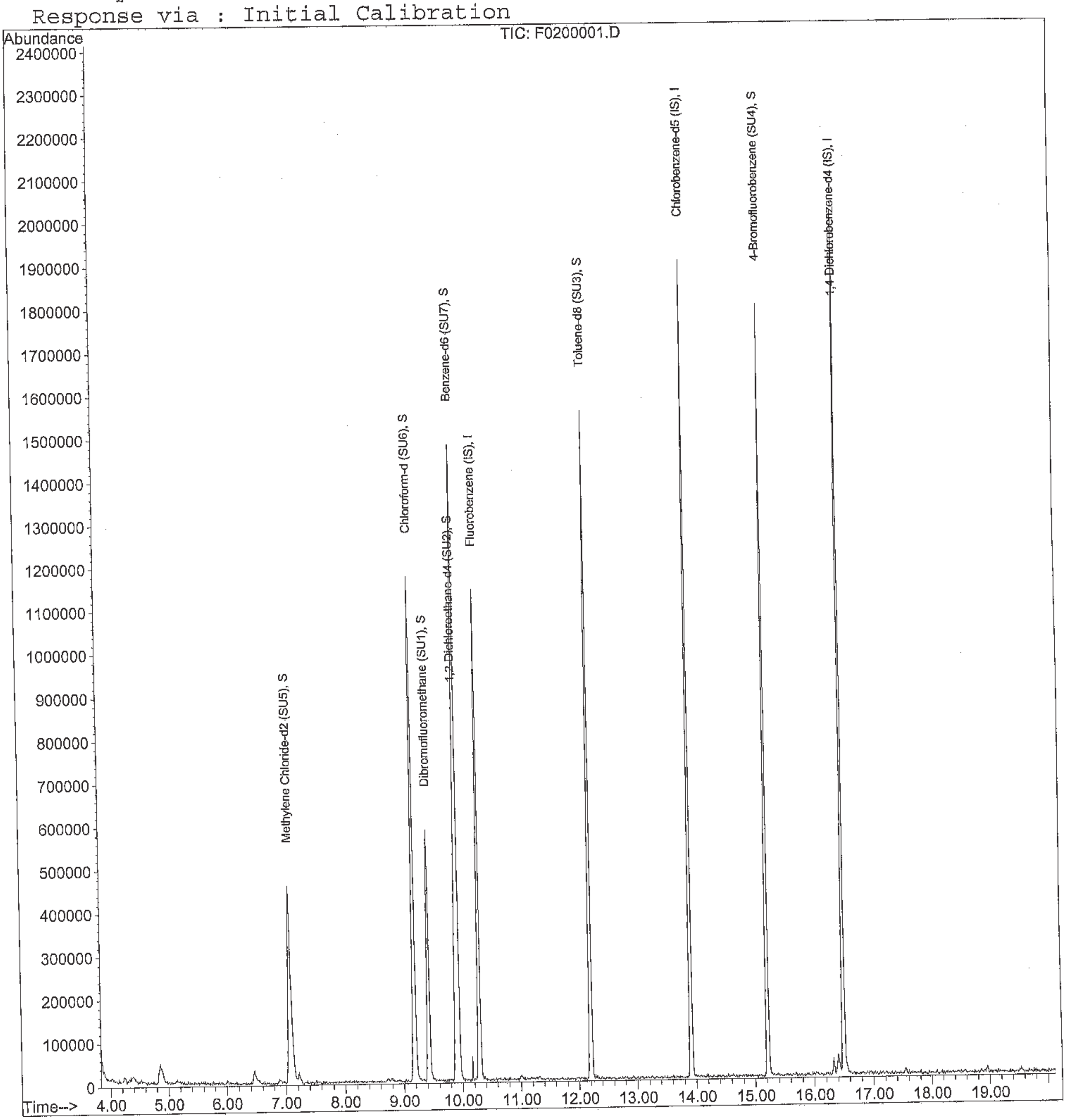
Target Compounds   Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200001.D   Vial: 11
Acq On   : 2 Jun 2014 11:46 am   Operator: DN
Sample   : 3F40201-01   Inst   : GC/MS Ins
Misc   : 100cc Equipment Blank   Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 3 7:23 19114   Quant Results File: SS072713.RES

Method   : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title   : 8260B   GC/MS #3   ICAL SSSF 07/27/13 DN
Last Update   : Mon Nov 18 10:31:39 2013
Response via   : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200002.D Vial: 1
Acq On : 2 Jun 2014 12:16 pm Operator: DN
Sample : 3F40201-02 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:57 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1361744	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1270833	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	624007	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.42	113	392551m	11.56	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	92.48%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	357991m	11.09	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	88.72%		
39) Toluene-d8 (SU3)	12.20	98	1339609	11.30	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.40%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	592792m	11.40	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	91.20%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	1657	0.50	~~ug/L~~ # NSM	44
4) Chloromethane	4.39	50	5008	0.97	~~ug/L~~ #	77
5) Vinyl Chloride	4.41	62	313	0.13	~~ug/L~~ #	1
6) Bromomethane	5.14	96	709	-1.30	~~ug/L~~ #	43
7) Chloroethane	5.20	64	1791	2.27	~~ug/L~~	97
8) (F11) Trichlorofluorometha	5.66	101	263	0.07	~~ug/L~~ #	52
11) Acetone	6.48	58	6358	7.27	~~ug/L #~~ NT	1
12) (IPA) Leak Check Compound	6.49	45	46799	286.00	~~ug/L~~ # NSM	87
13) Carbon disulfide	6.86	76	2687	0.24	~~ug/L~~ #	84
14) Methylene Chloride	7.08	84	4498	1.20	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.90	59	1358	5.85	~~ug/L~~ # NT	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	275	0.04	~~ug/L~~ # NSM	1
17) trans-1,2-Dichloroethene	7.62	96	313	0.09	~~ug/L~~ #	4
18) 1,1-Dichloroethane	8.04	63	264	0.04	~~ug/L~~ #	42
19) cis-1,2-Dichloroethene	8.98	96	296	0.07	~~ug/L~~ #	3
20) 2,2-Dichloropropane	8.75	77	851	0.16	~~ug/L~~ #	1
21) (MEK) 2-Butanone	8.80	72	272	0.71	~~ug/L~~ #	1
22) (DIPE) Diisopropyl Ether	7.92	45	410	0.04	~~ug/L~~ #	56
24) Chloroform	9.20	83	1955	0.27	~~ug/L~~ #	1
25) (ETBE) 2-ethoxy 2-methyl p	8.44	59	286	0.03	~~ug/L~~ #	1
30) Carbon Tetrachloride	9.66	117	266	0.06	ug/L 0.0012	99
31) Benzene	9.93	78	13109	1.02	~~ug/L~~ # NSM	70

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\060214L3\F0200002.D Vial: 1
Acq On : 2 Jun 2014 12:16 pm Operator: DN
Sample : 3F40201-02 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:57 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

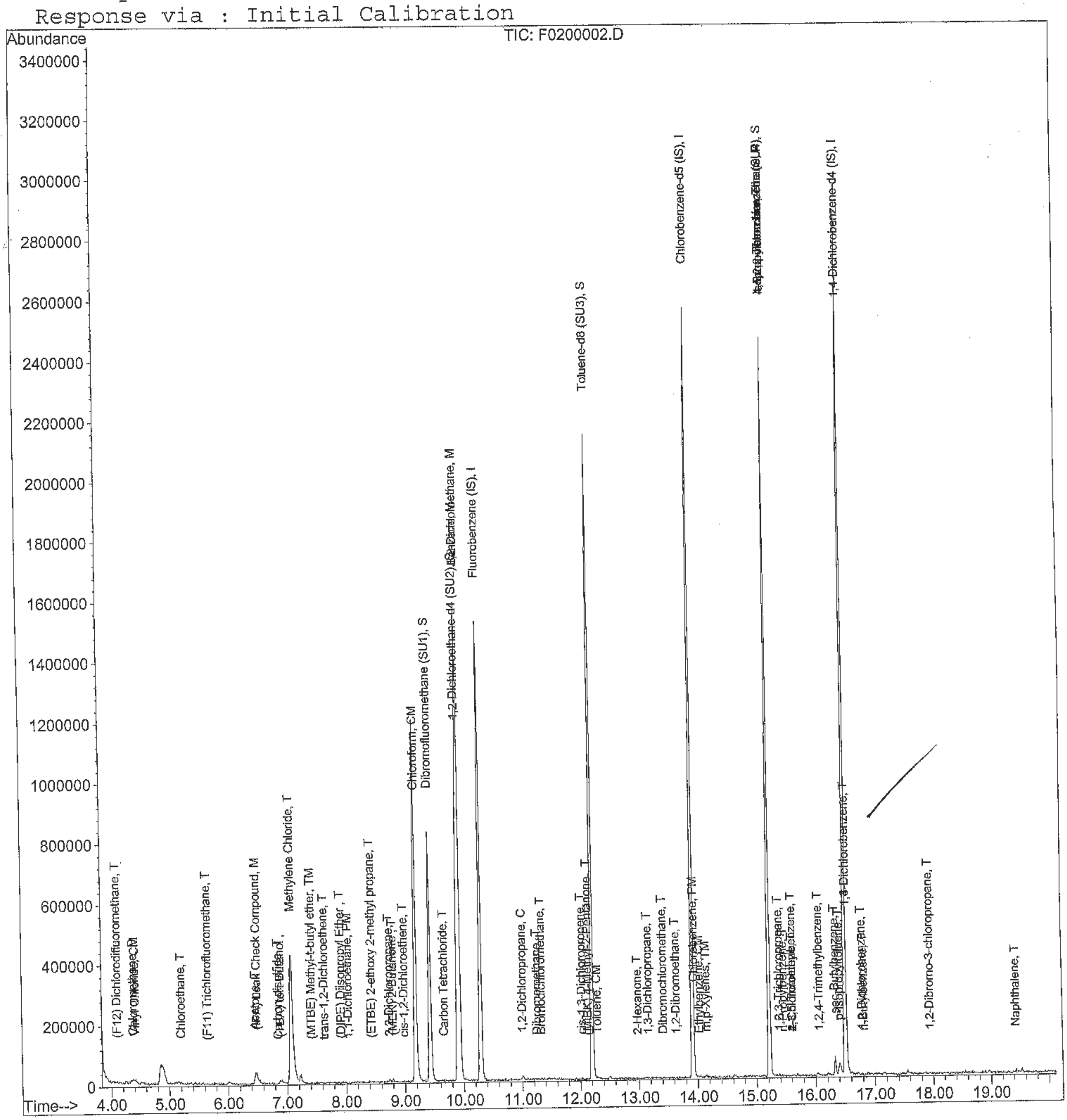
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	1,2-Dichloroethane	9.92	62	11263	2.48	~~ug/L~~ # NSM	1
34)	1,2-Dichloropropane	11.01	63	316	0.10	~~ug/L~~ #	2
35)	Dibromomethane	11.26	93	349	0.15	~~ug/L~~ #	5
36)	Bromodichloromethane	11.32	83	558	0.12	~~ug/L~~ #	21
37)	cis-1,3-Dichloropropene	12.02	75	309	0.06	~~ug/L~~ #	36
40)	(MIBK) 4-Methyl-2-Pentanon	12.14	43	608	0.24	~~ug/L~~ #	100
41)	Toluene	12.29	91	2610	0.15	✓ug/L # 0.003	66
45)	1,3-Dichloropropane	13.16	76	270	0.05	~~ug/L~~ # NSM	41
46)	2-Hexanone	12.99	43	396	0.14	~~ug/L~~ #	76
47)	Dibromochloromethane	13.40	129	256	0.06	~~ug/L~~ #	21
48)	1,2-Dibromoethane	13.62	107	255	0.06	~~ug/L~~ #	3
49)	Chlorobenzene	13.95	112	257	0.02	~~ug/L~~ #	28
51)	Ethylbenzene	14.03	91	2572	0.13	~~ug/L~~ # SM	45
52)	m,p-Xylenes	14.14	106	632	0.09	✓ug/L # 0.0018	1
54)	Styrene	14.63	104	2276	-0.64	~~ug/L~~ # NSM	48
56)	Isopropylbenzene	15.23	105	3222	0.17	~~ug/L~~ #	1
57)	1,2,3-Trichloropropane	15.38	75	1018	0.20	~~ug/L~~ #	36
60)	1,1,2,2-Tetrachloroethane	15.21	83	929	0.21	~~ug/L~~ #	57
62)	n-Propylbenzene	15.46	91	394	0.02	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.61	91	462	0.03	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.61	105	271	0.02	~~ug/L~~ #	31
65)	4-Chlorotoluene	15.61	91	462	0.03	~~ug/L~~ # NSM	44
67)	1,2,4-Trimethylbenzene	16.06	105	728	0.04	~~ug/L~~ #	82
68)	sec-Butylbenzene	16.33	105	781	0.04	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.39	119	1205	0.07	~~ug/L~~ #	77
70)	1,3-Dichlorobenzene	16.54	146	254	0.03	~~ug/L~~ #	1
71)	1,4-Dichlorobenzene	16.54	146	254	0.03	~~ug/L~~ #	1
72)	n-Butylbenzene	16.81	91	576	0.03	~~ug/L~~ #	30
73)	1,2-Dichlorobenzene	16.78	146	257	0.03	~~ug/L~~ #	24
74)	1,2-Dibromo-3-chloropropan	17.94	75	262	1.25	~~ug/L~~ #	6
77)	Naphthalene	19.44	128	285	0.02	~~ug/L~~	100

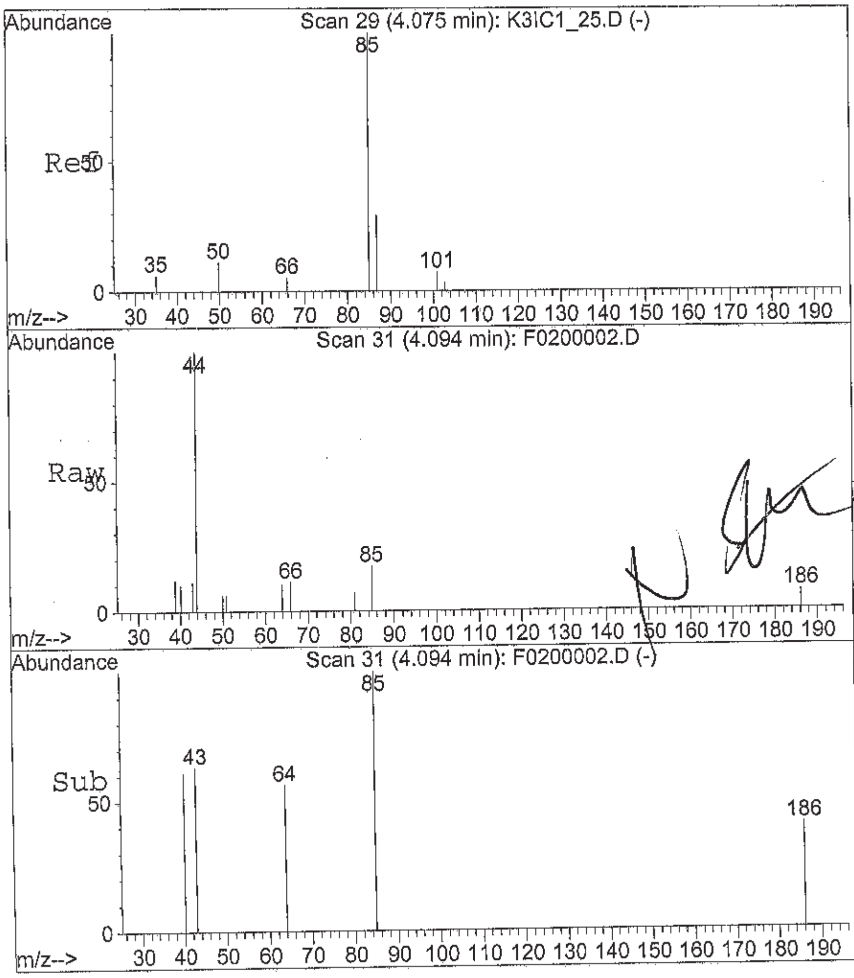
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200002.D Vial: 1
Acq On : 2 Jun 2014 12:16 pm Operator: DN
Sample : 3F40201-02 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 12:57 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

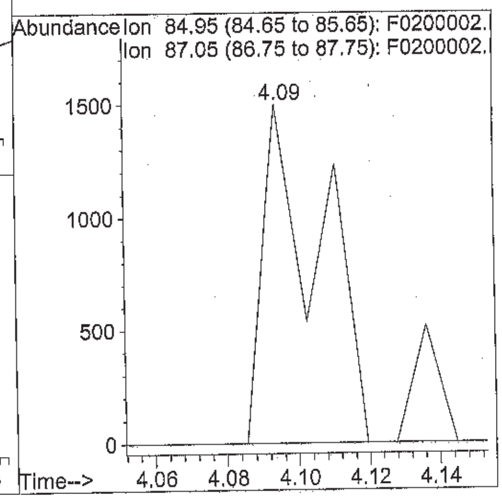


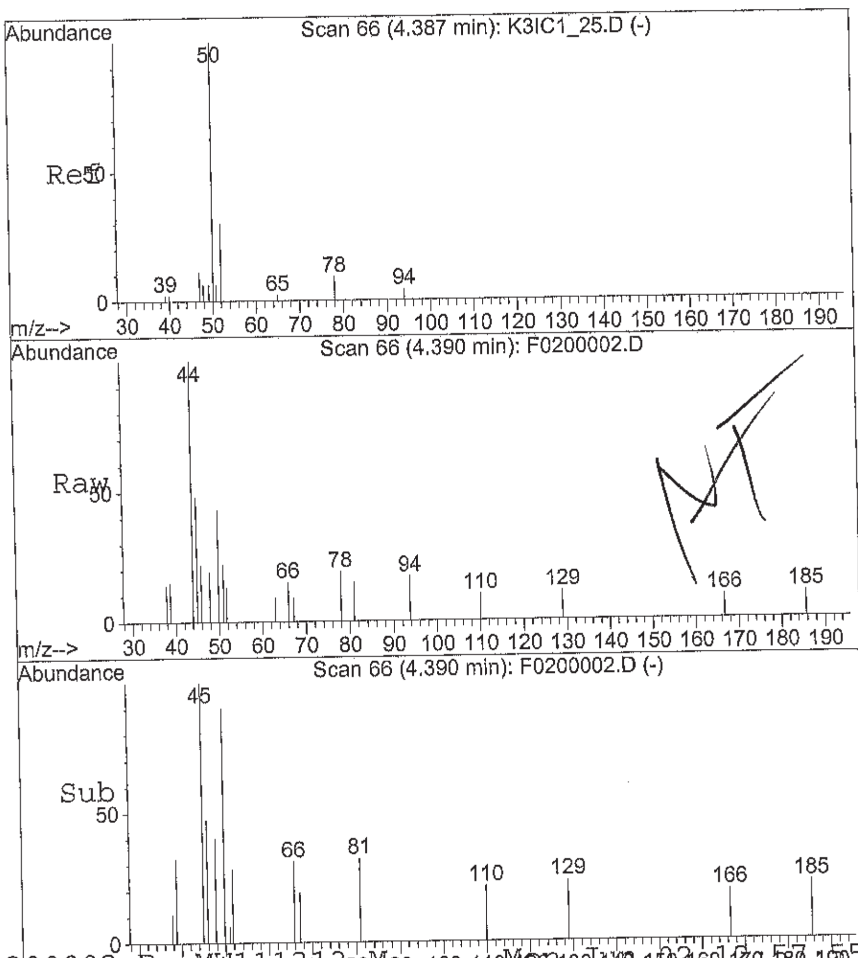


#3
(F12) Dichlorodifluoromethane
Concen: 0.50 ug/L
RT: 4.09 min Scan# 31
Delta R.T. 0.02 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 85 Resp: 1657

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

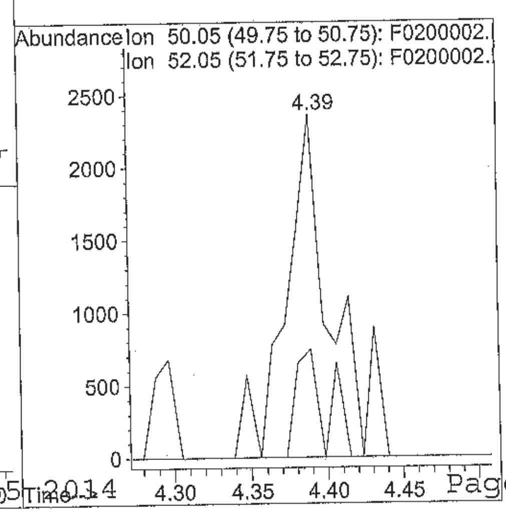


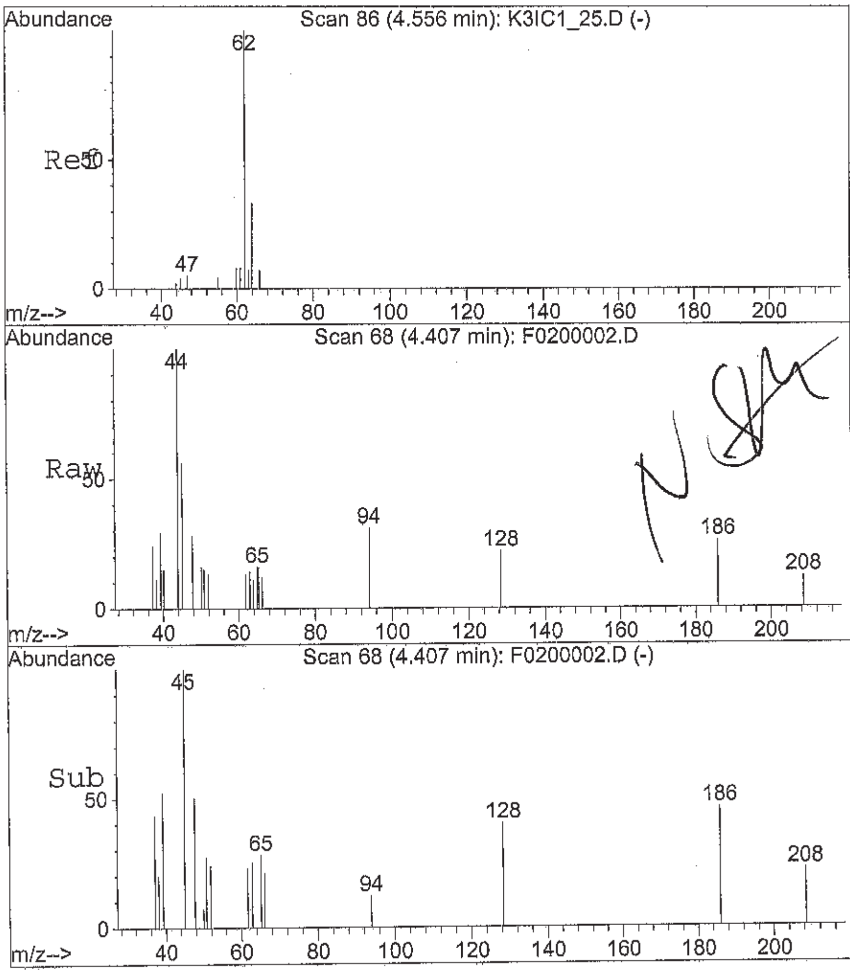


#4
Chloromethane
Concen: 0.97 ug/L
RT: 4.39 min Scan# 66
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 50 Resp: 5008

Ion	Ratio	Lower	Upper
50	100		
52	20.6	26.9	40.3#

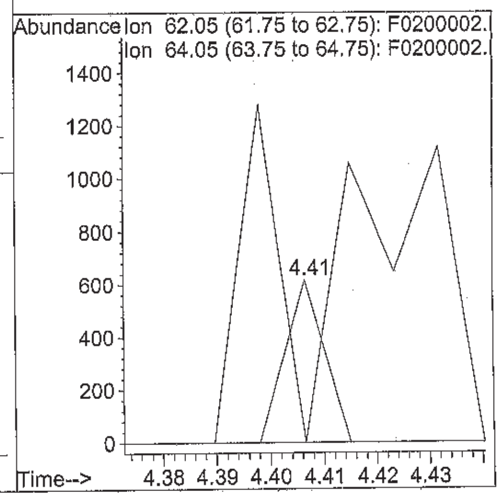


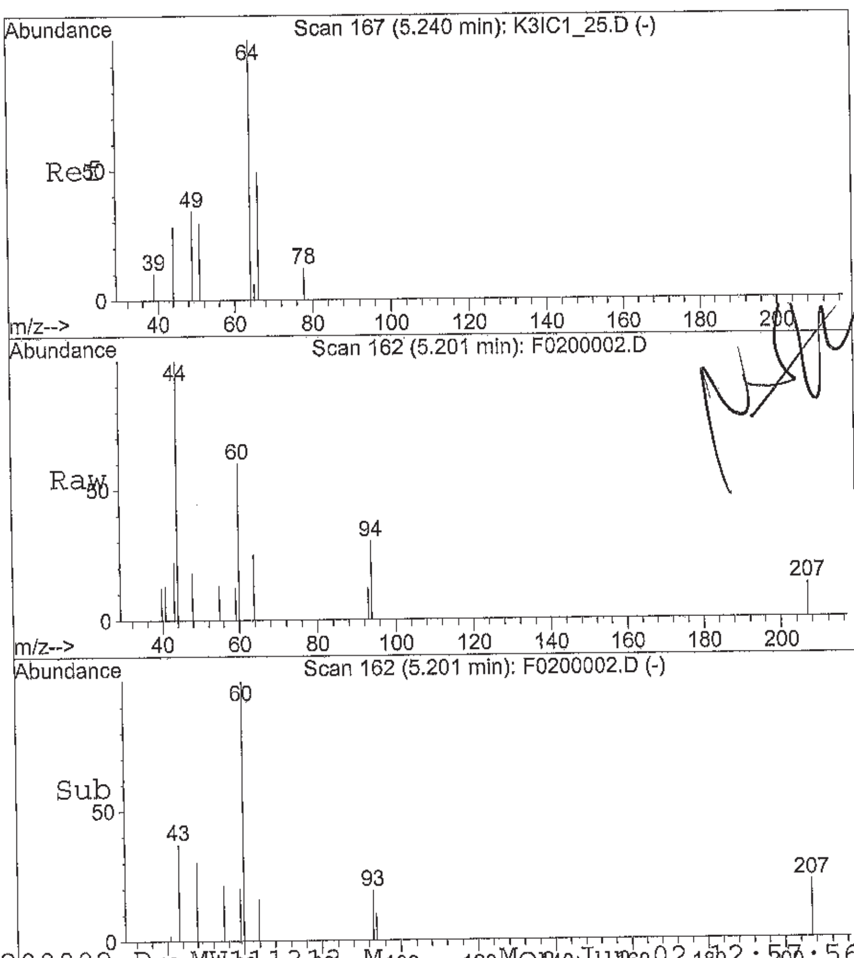


#5
Vinyl Chloride
Concen: 0.13 ug/L
RT: 4.41 min Scan# 68
Delta R.T. -0.15 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 62 Resp: 313

Ion	Ratio	Lower	Upper
62	100		
64	207.0	25.6	38.4#

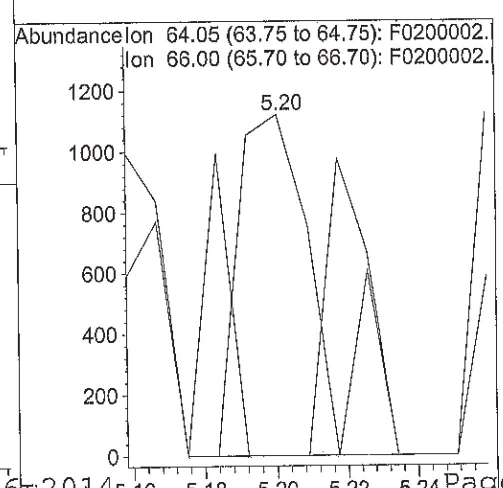


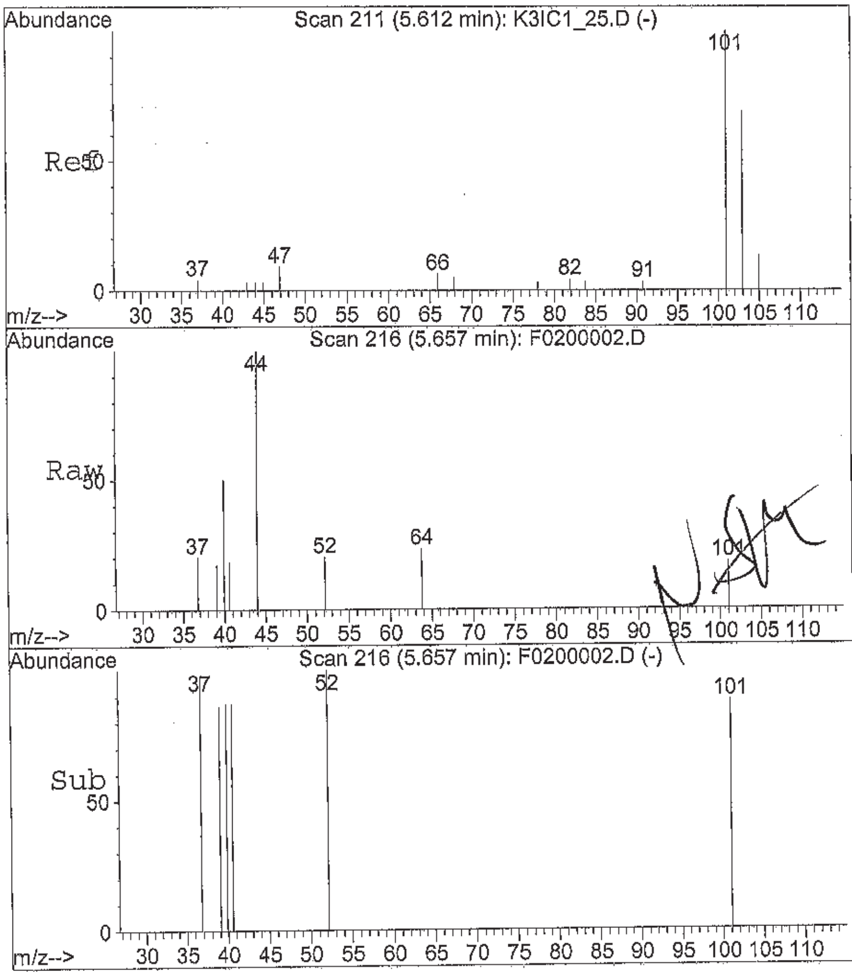


#7
Chloroethane
Concen: 2.27 ug/L
RT: 5.20 min Scan# 162
Delta R.T. -0.04 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 64 Resp: 1791

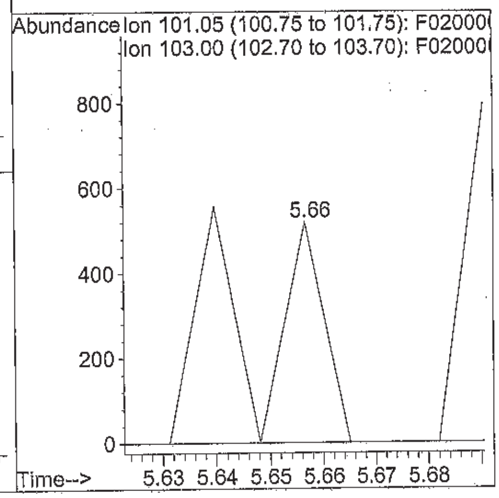
Ion	Ratio	Lower	Upper
64	100		
66	46.3	35.4	53.0

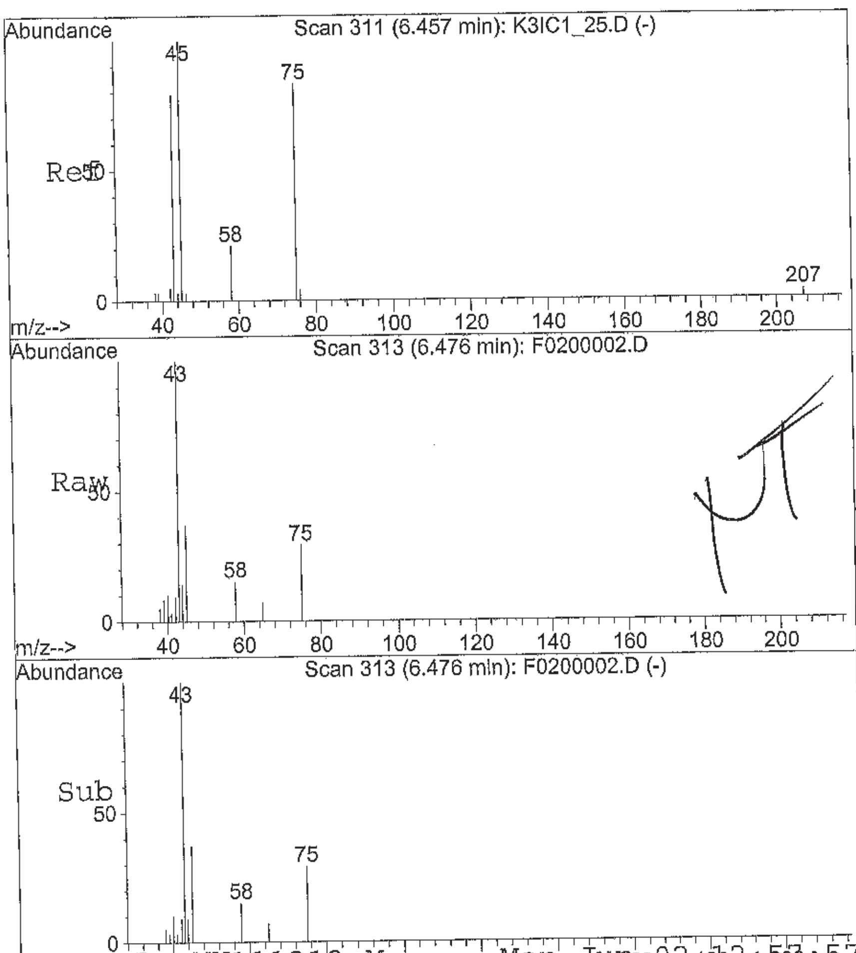




#8
(F11) Trichlorofluoromethane
Concen: 0.07 ug/L
RT: 5.66 min Scan# 216
Delta R.T. 0.04 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

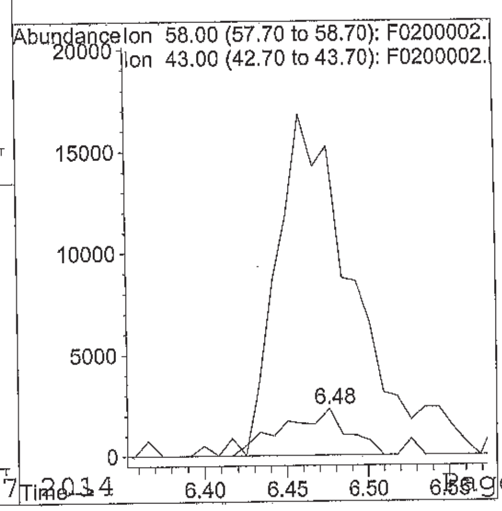
Tgt	Ion:101	Resp:	263
Ion	Ratio	Lower	Upper
101	100		
103	107.2	54.5	81.7#





#11
Acetone
Concen: 7.27 ug/L
RT: 6.48 min Scan# 313
Delta R.T. 0.02 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

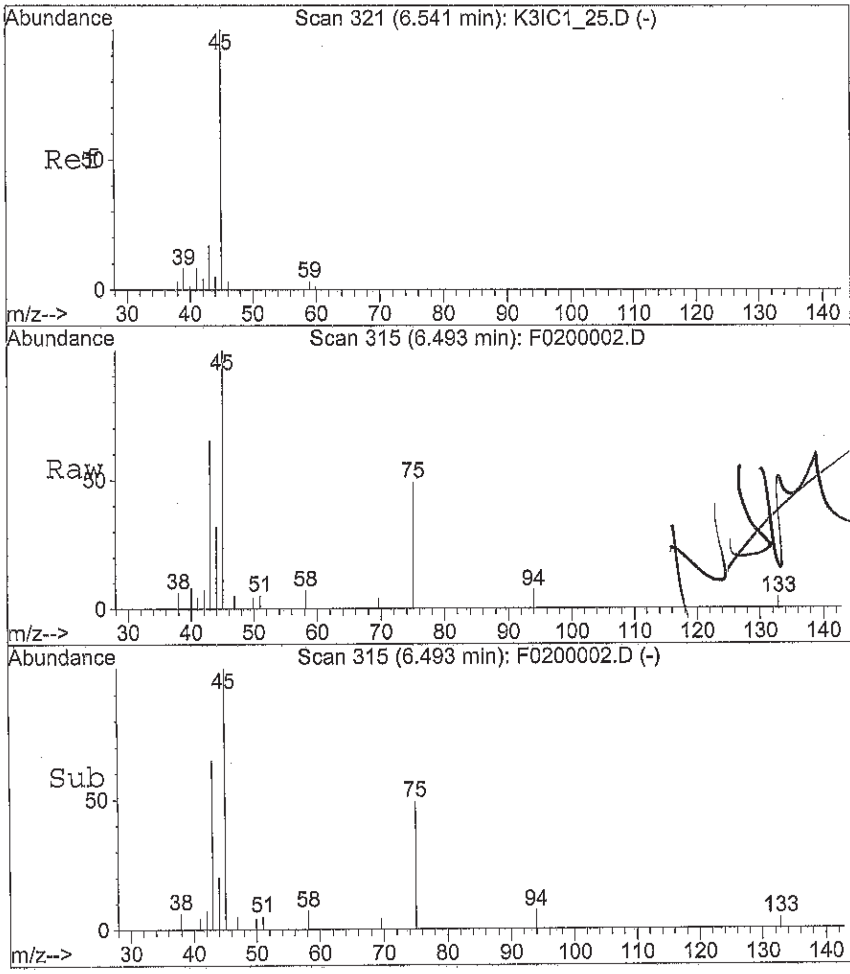
Tgt	Ion: 58	Resp:	6358
Ion	Ratio	Lower	Upper
58	100		
43	881.8	360.9	541.3#

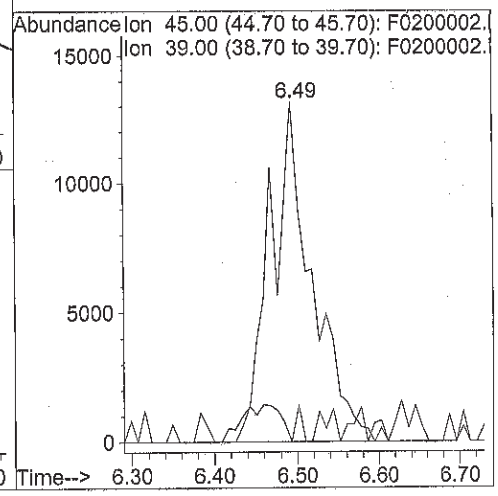


#12
(IPA) Leak Check Compound
Concen: 286.00 ug/L
RT: 6.49 min Scan# 315
Delta R.T. -0.05 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 45 Resp: 46799

Ion	Ratio	Lower	Upper
45	100		
39	1.5	4.9	7.3#

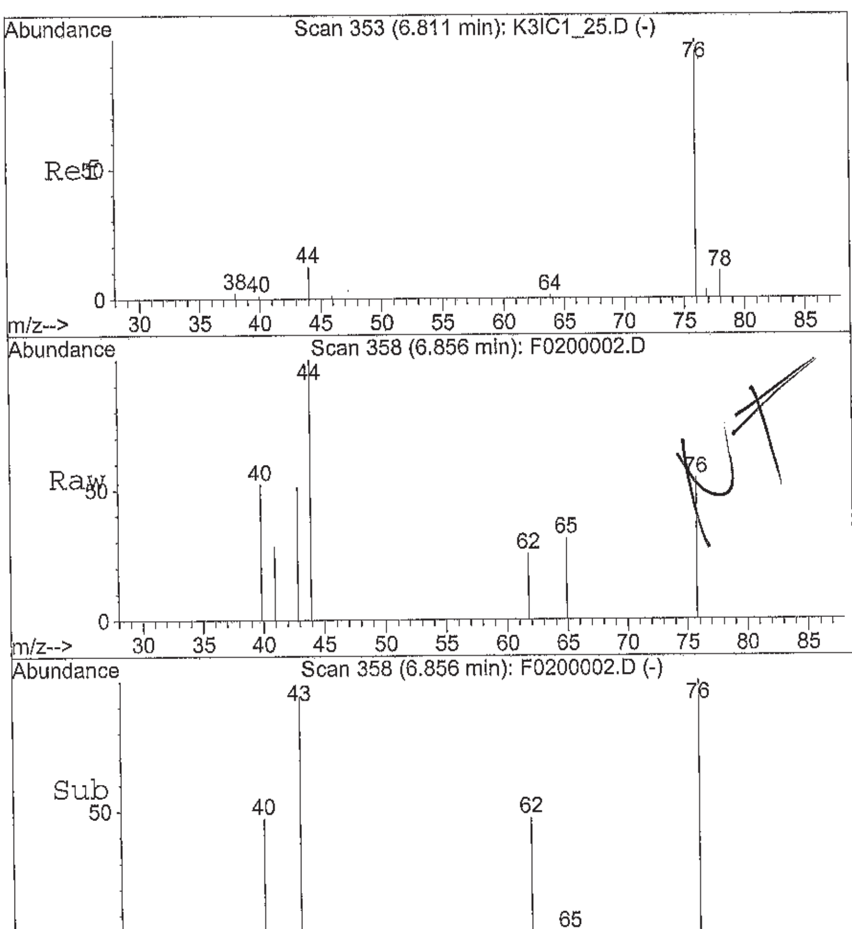


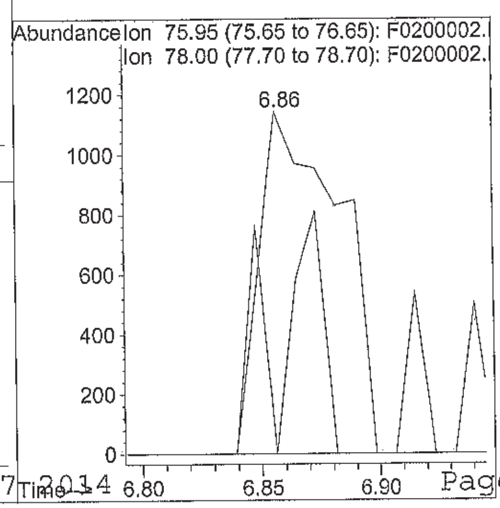


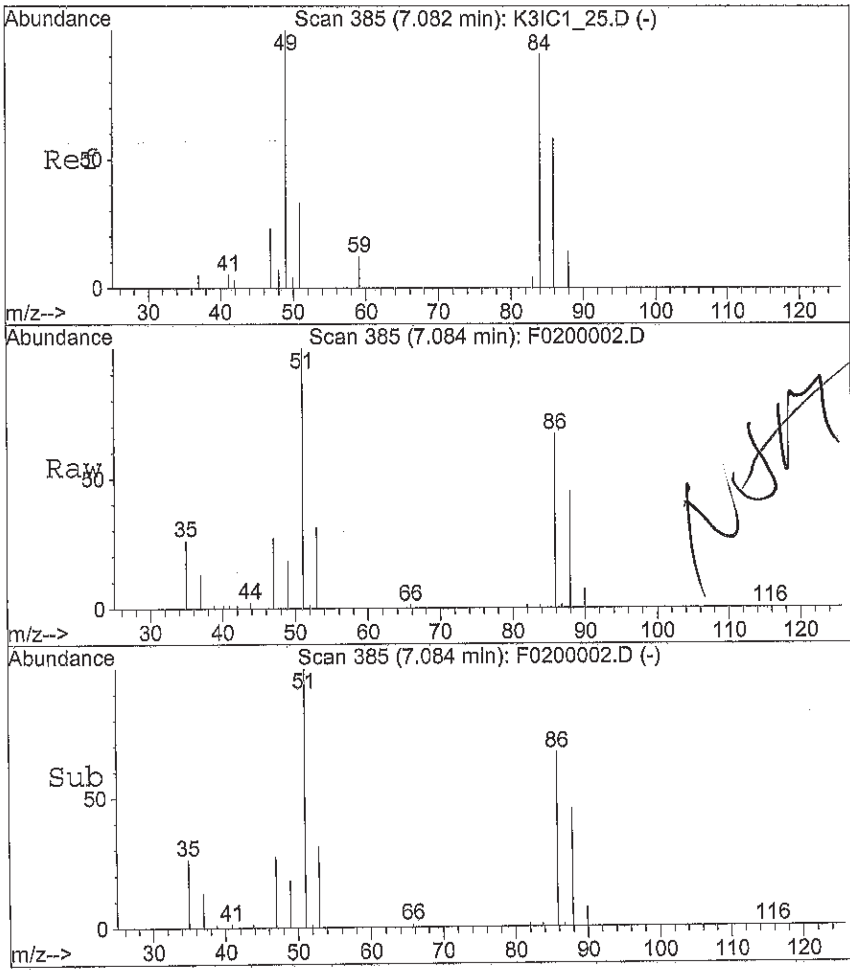
#13
Carbon disulfide
Concen: 0.24 ug/L
RT: 6.86 min Scan# 358
Delta R.T. 0.04 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 76 Resp: 2687

Ion	Ratio	Lower	Upper
76	100		
78	14.4	7.0	10.4#



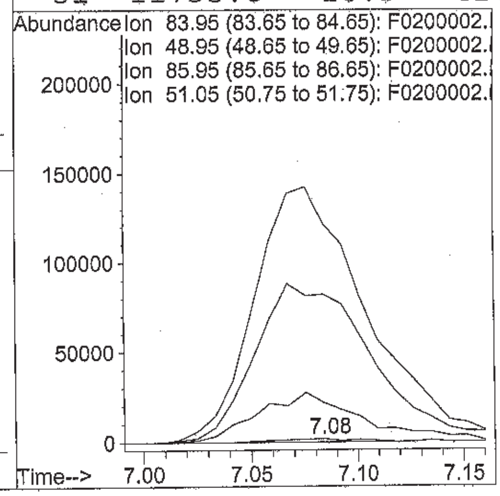


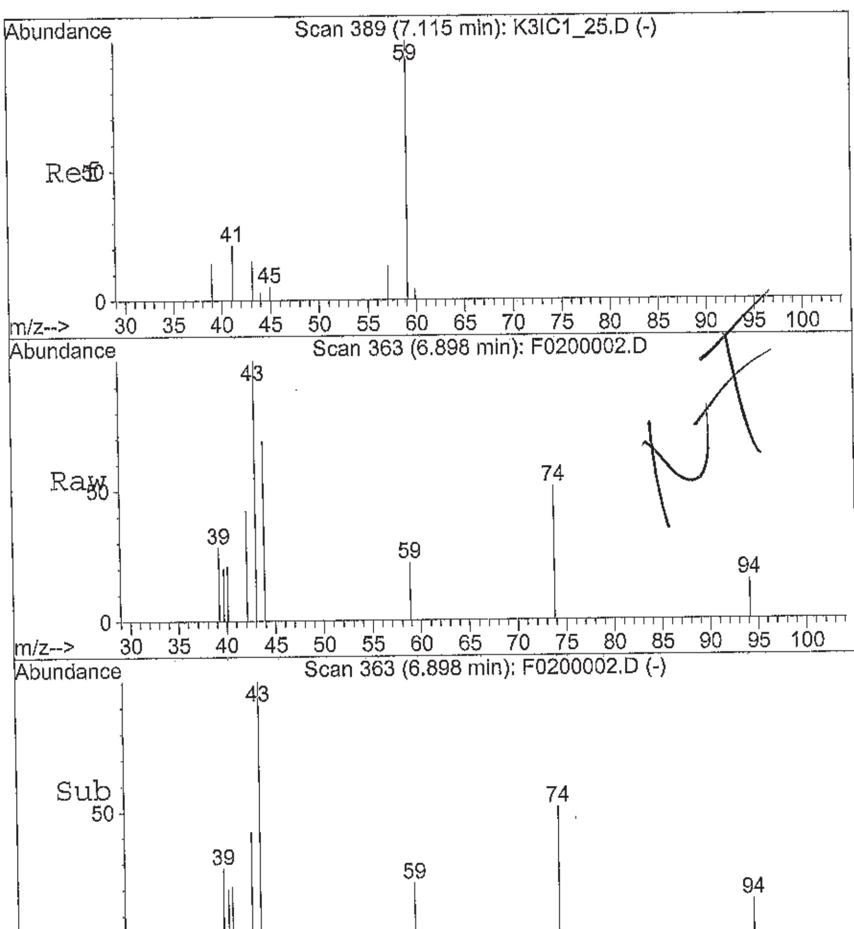


#14
Methylene Chloride
Concen: 1.20 ug/L
RT: 7.08 min Scan# 385
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 84 Resp: 4498

Ion	Ratio	Lower	Upper
84	100		
49	2077.6	89.8	134.6#
86	7515.3	51.1	76.7#
51	11735.8	28.5	42.7#

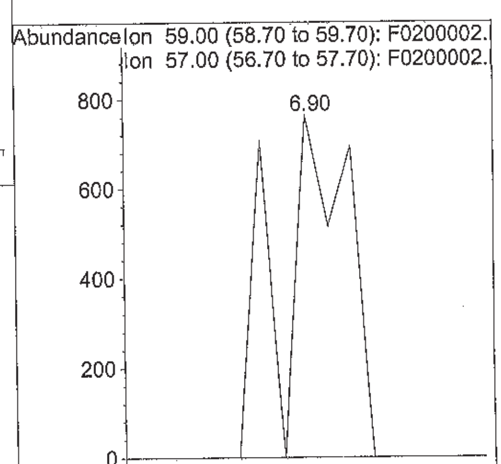


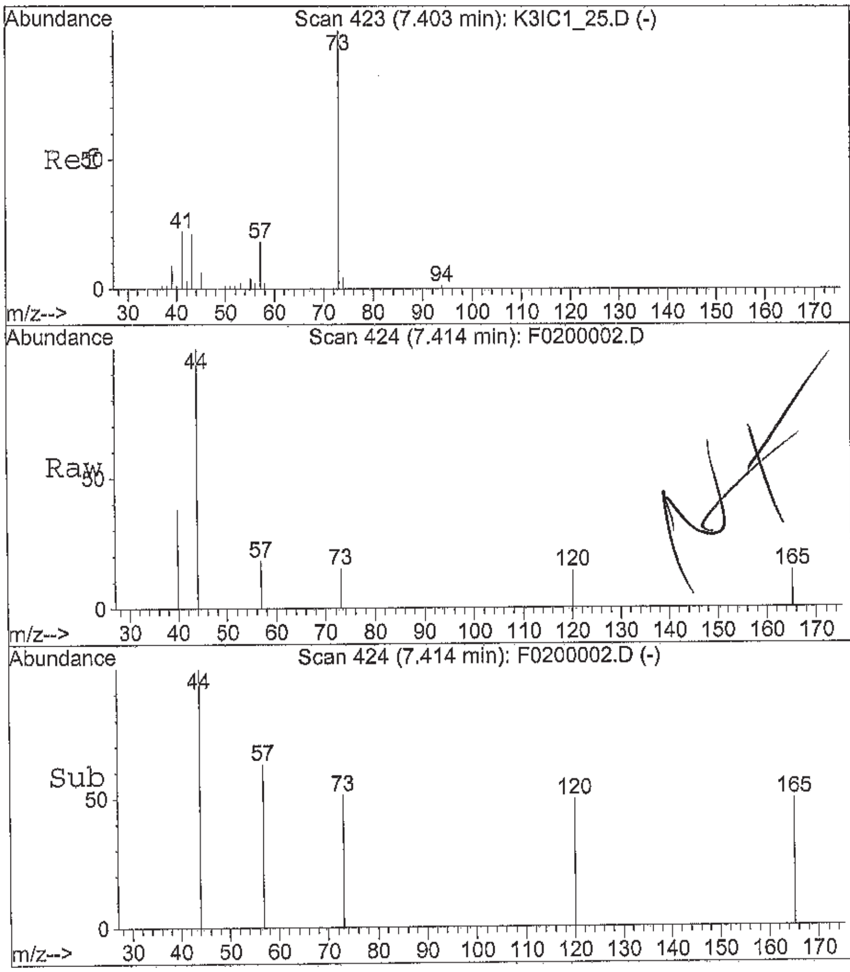


#15
(TBA) tert-Butanol
Concen: 5.85 ug/L
RT: 6.90 min Scan# 363
Delta R.T. -0.22 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 59 Resp: 1358

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

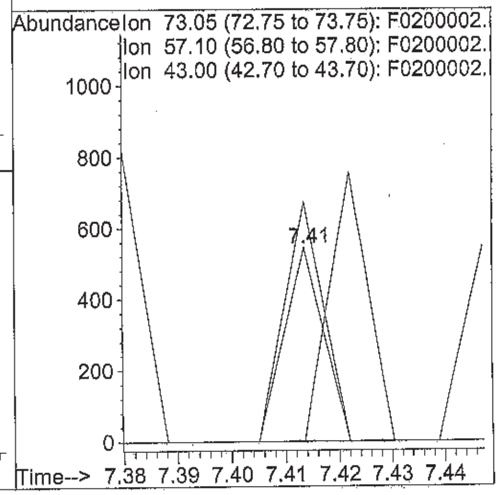


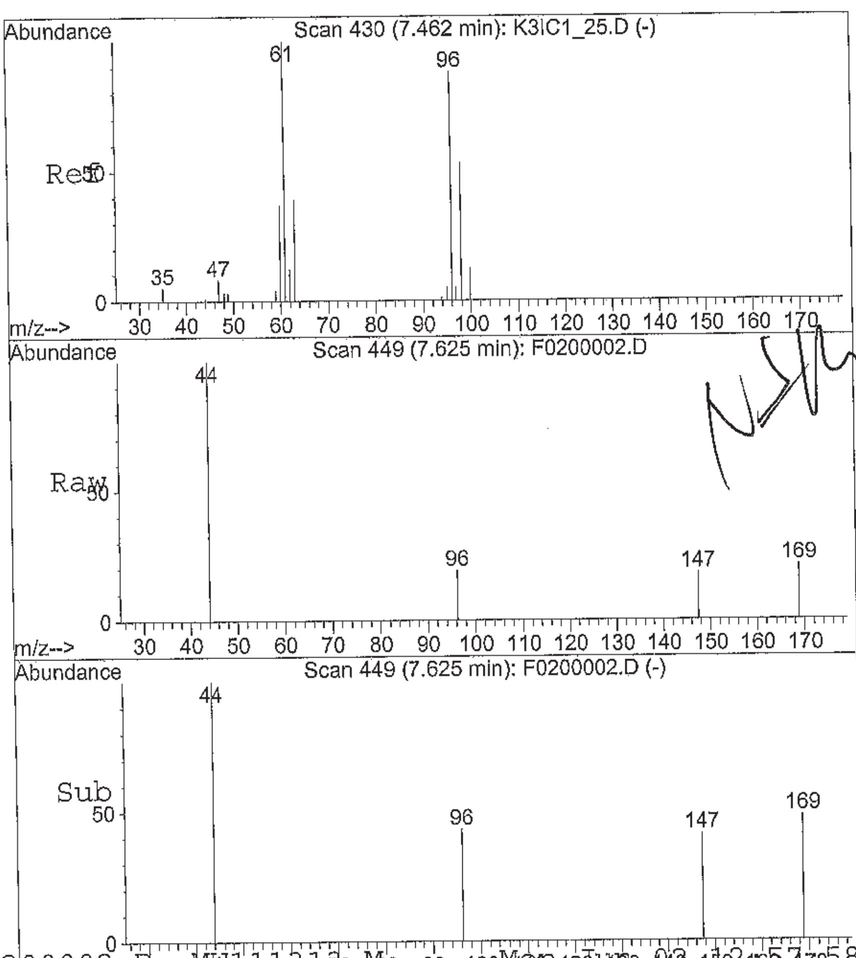


#16
(MTBE) Methyl-t-butyl ether
Concen: 0.04 ug/L
RT: 7.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 73 Resp: 275

Ion	Ratio	Lower	Upper
73	100		
57	124.4	15.8	23.8#
43	139.6	18.4	27.6#

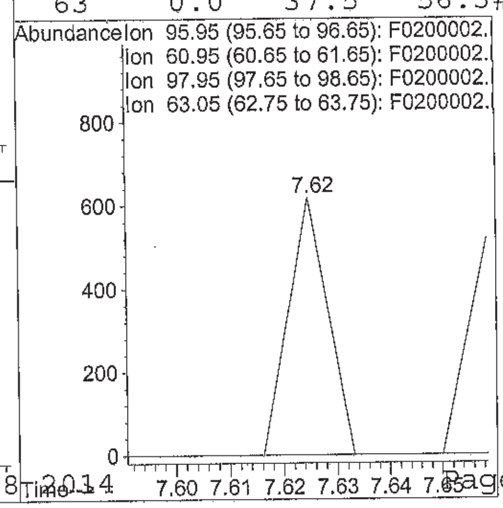


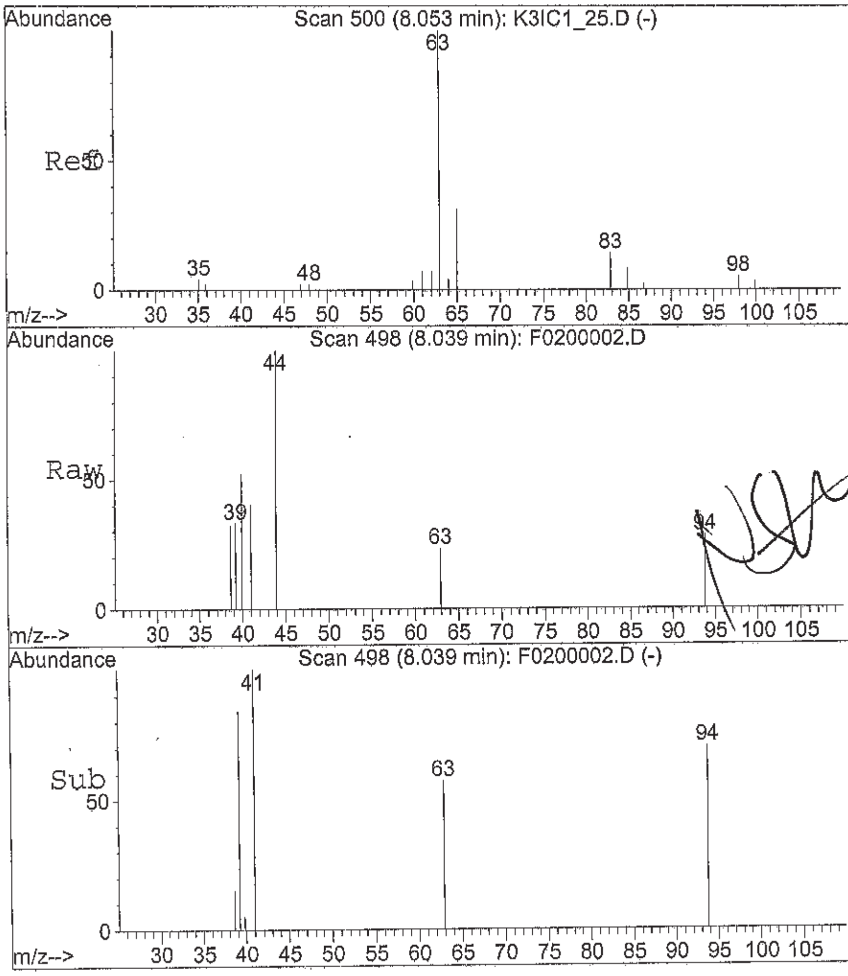


#17
trans-1,2-Dichloroethene
Concen: 0.09 ug/L
RT: 7.62 min Scan# 449
Delta R.T. 0.16 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 96 Resp: 313

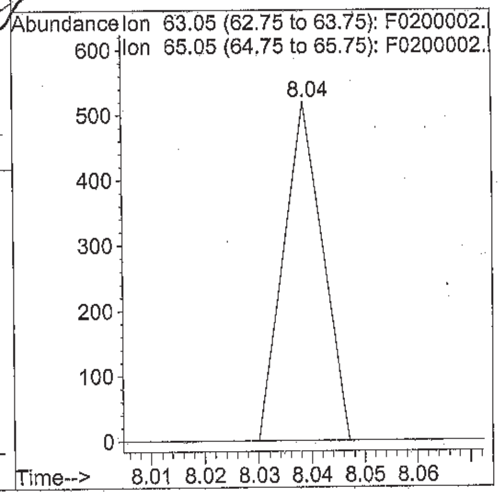
Ion	Ratio	Lower	Upper
96	100		
61	0.0	104.2	156.2#
98	0.0	50.2	75.4#
63	0.0	37.5	56.3#

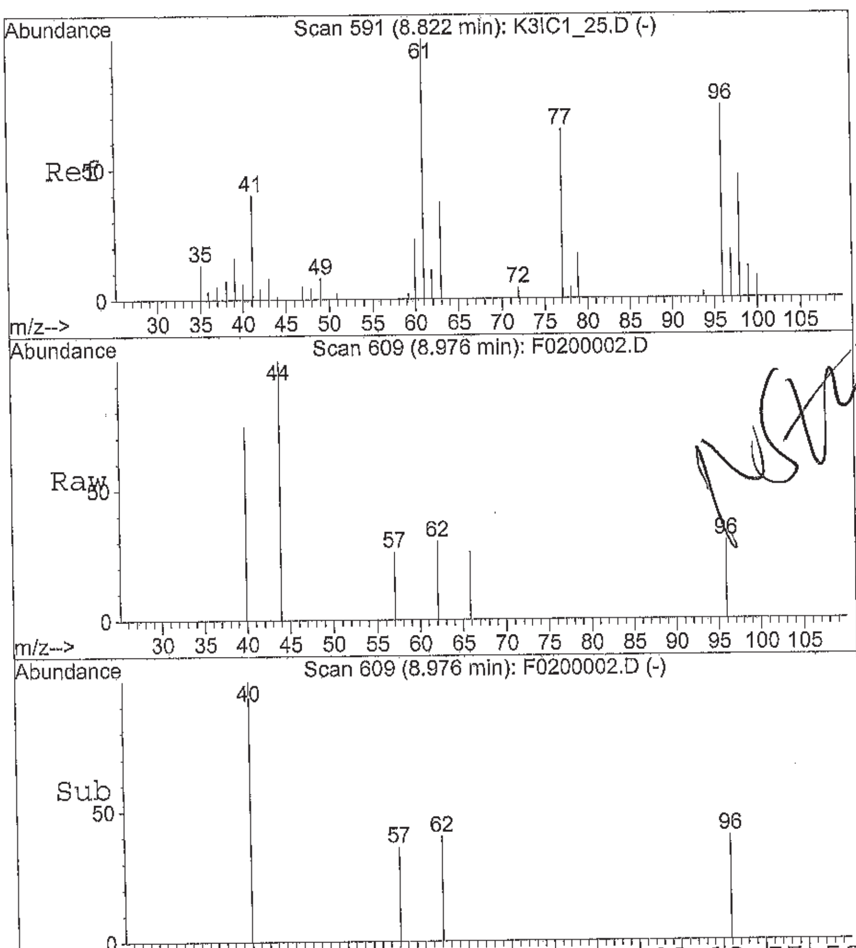




#18
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 8.04 min Scan# 498
Delta R.T. -0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

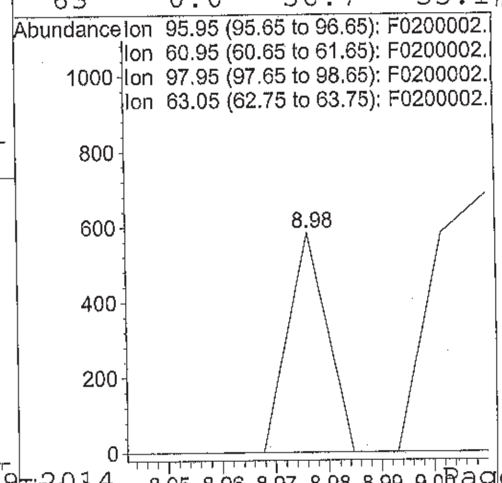
Tgt Ion: 63	Resp:		264
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.8#

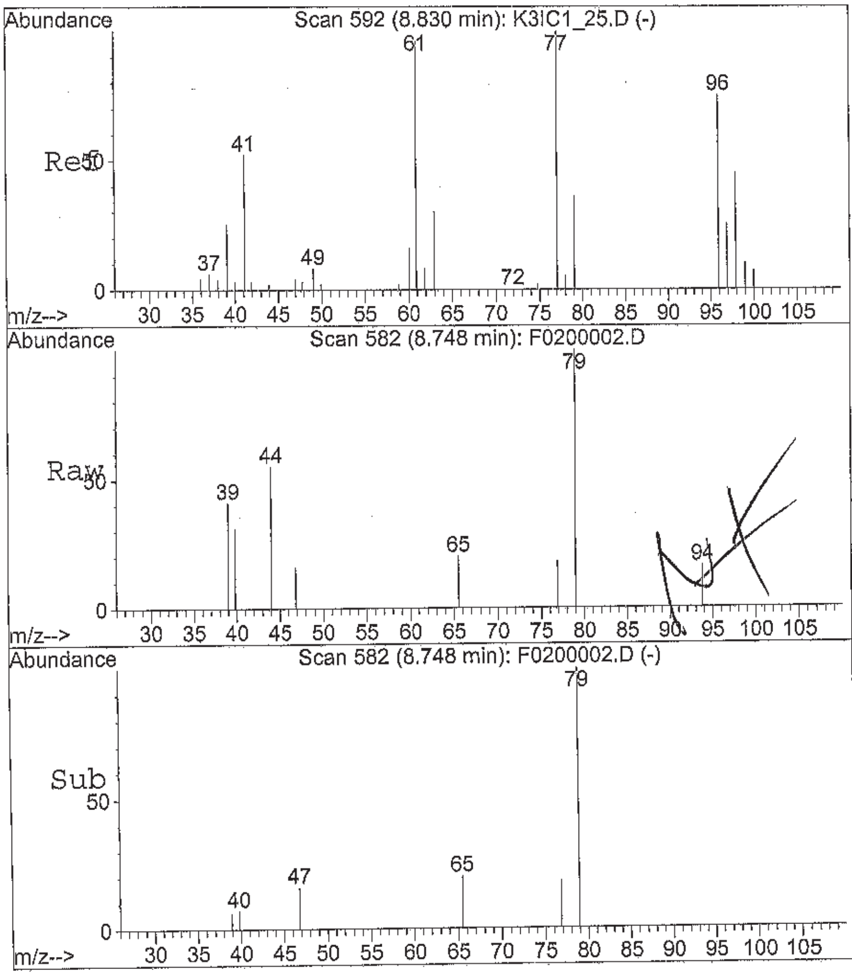




#19
cis-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 8.98 min Scan# 609
Delta R.T. 0.15 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 96	Resp:		296
Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

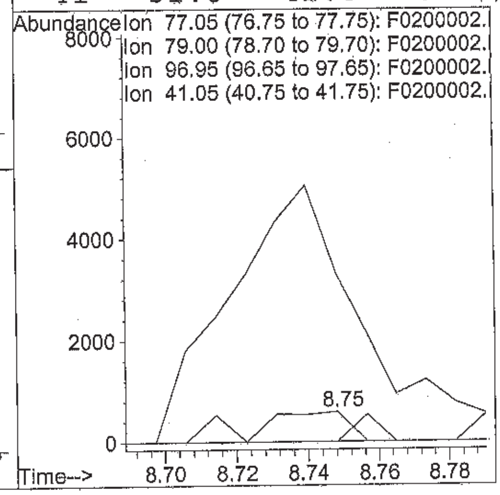


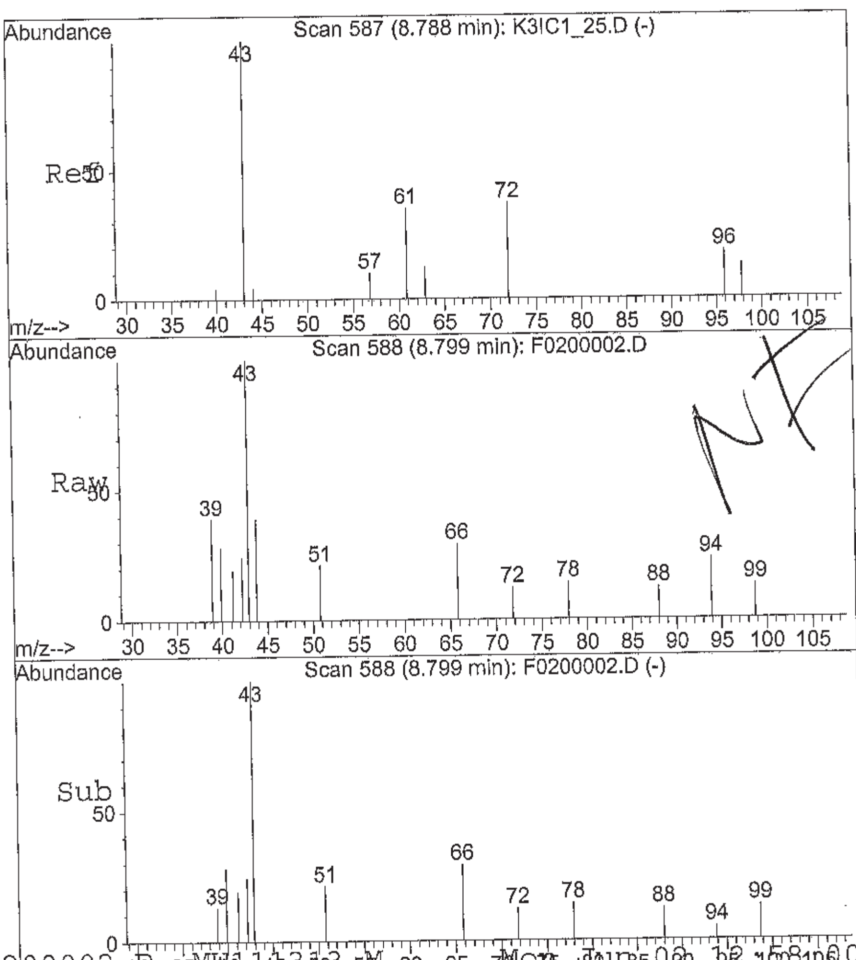


#20
2,2-Dichloropropane
Concen: 0.16 ug/L
RT: 8.75 min Scan# 582
Delta R.T. -0.08 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 77 Resp: 851

Ion	Ratio	Lower	Upper
77	100		
79	1538.0	26.6	40.0#
97	0.0	18.9	28.3#
41	31.8	42.6	64.0#

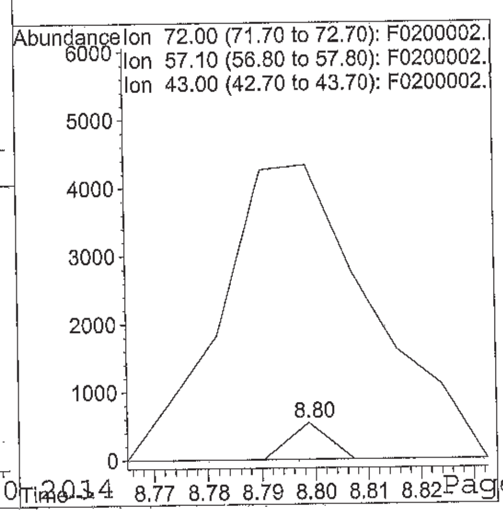


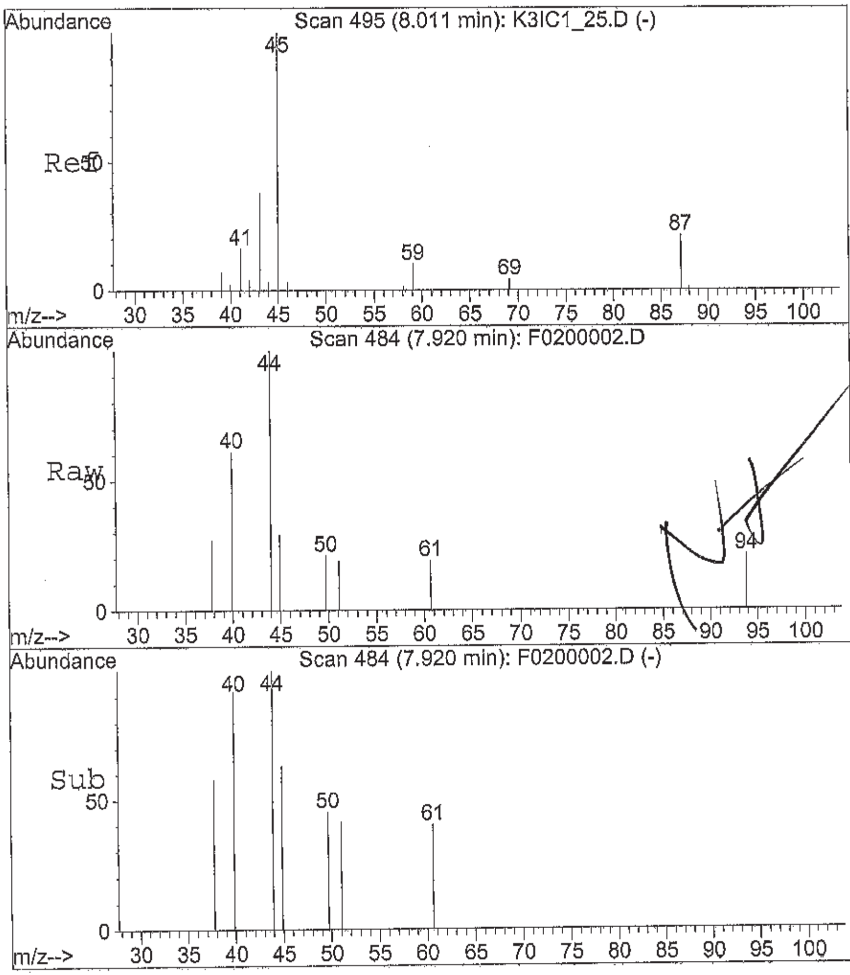


#21
(MEK) 2-Butanone
Concen: 0.71 ug/L
RT: 8.80 min Scan# 588
Delta R.T. 0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 72 Resp: 272

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	3122.4	314.2	471.2#

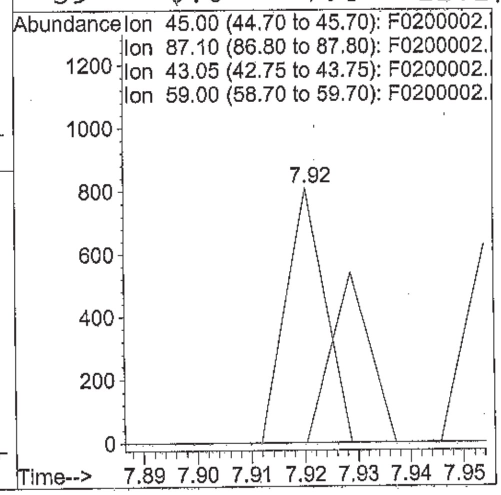


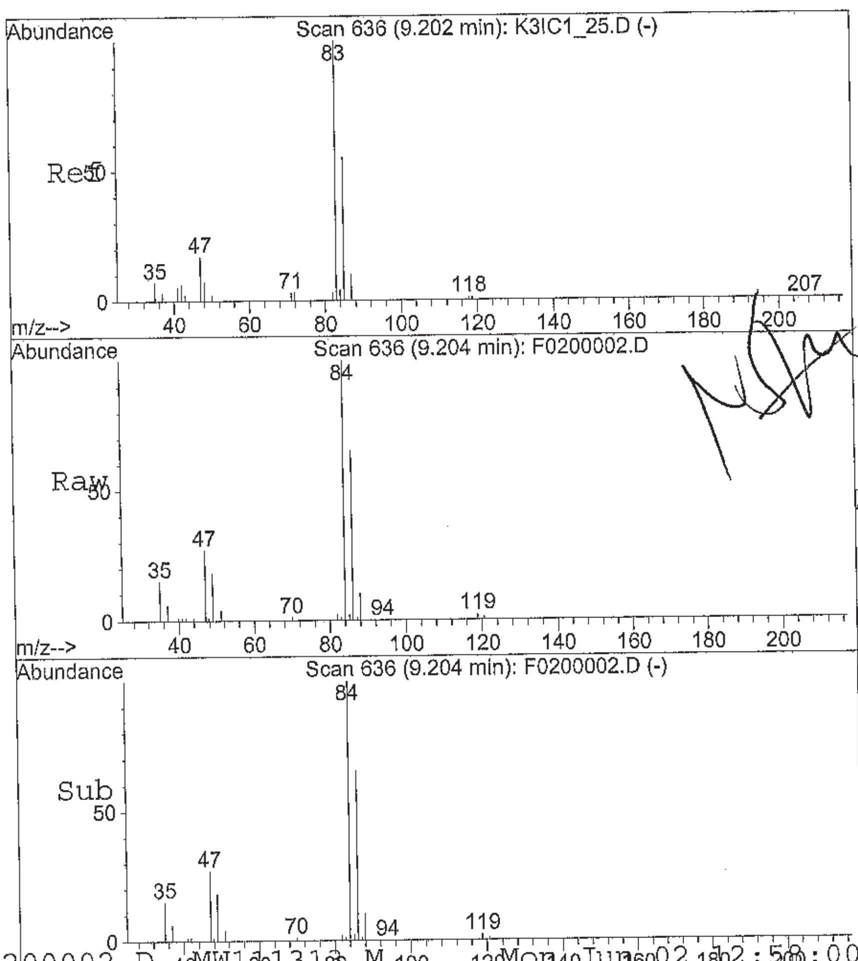


#22
(DIPE) Diisopropyl Ether
Concen: 0.04 ug/L
RT: 7.92 min Scan# 484
Delta R.T. -0.09 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 45 Resp: 410

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	66.6	30.5	45.7#
59	0.0	7.4	11.2#

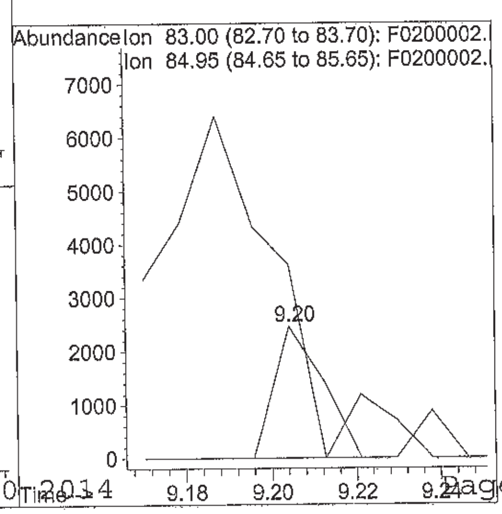


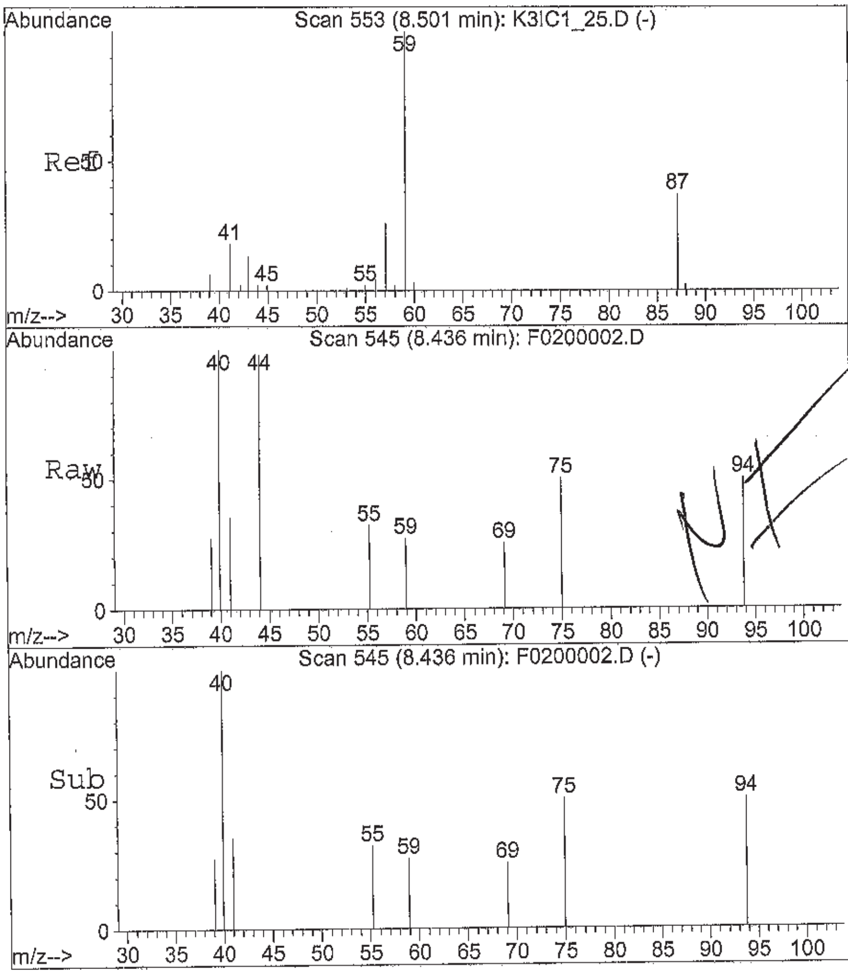


#24
Chloroform
Concen: 0.27 ug/L
RT: 9.20 min Scan# 636
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 83 Resp: 1955

Ion	Ratio	Lower	Upper
83	100		
85	621.9	51.8	77.6#

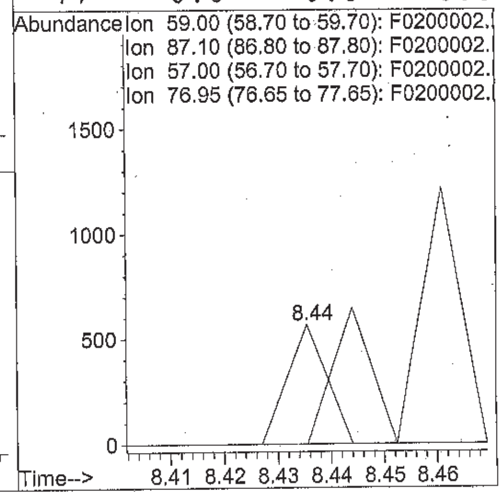


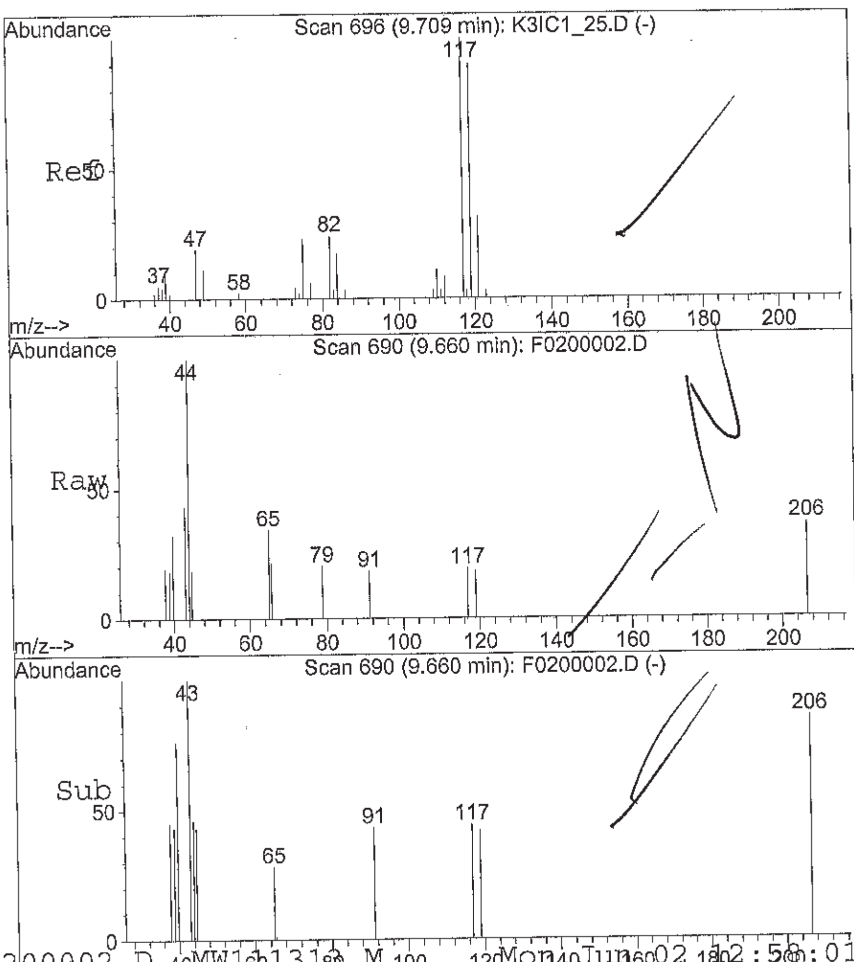


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.03 ug/L
RT: 8.44 min Scan# 545
Delta R.T. -0.07 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 59 Resp: 286

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	114.3	19.8	29.6#
77	0.0	0.0	0.0

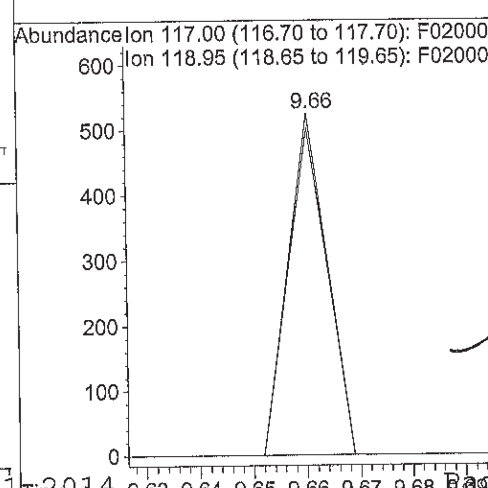


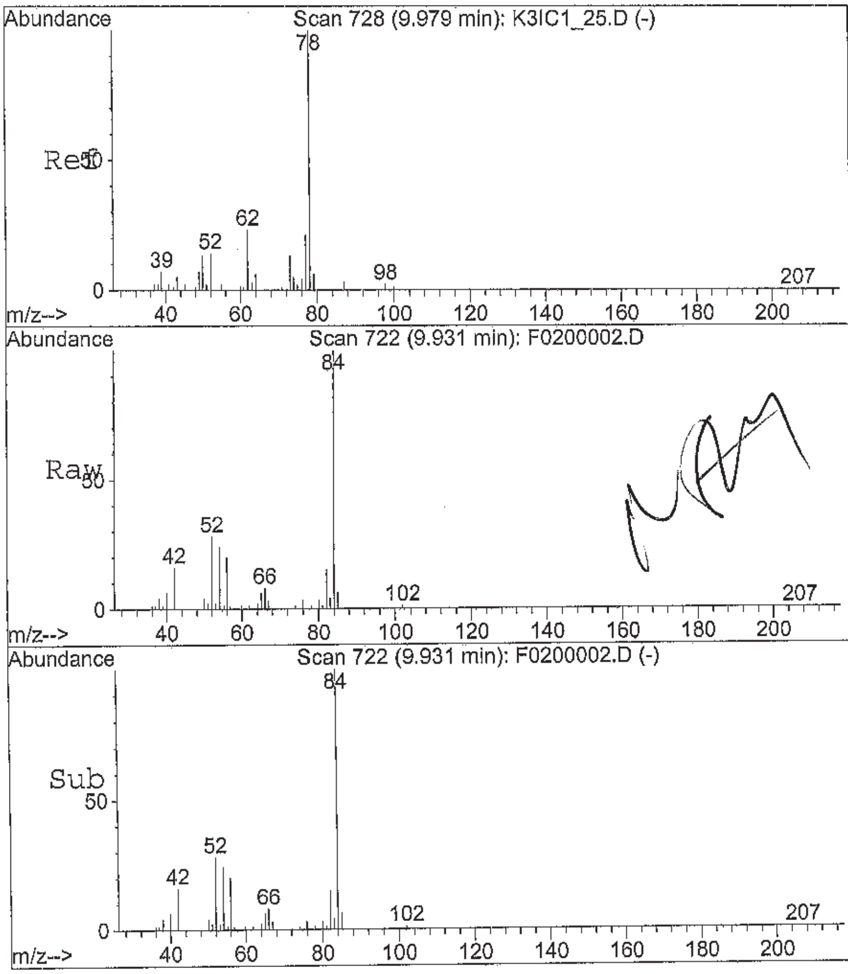


#30
Carbon Tetrachloride
Concen: 0.06 ug/L
RT: 9.66 min Scan# 690
Delta R.T. -0.05 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:117 Resp: 266

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8

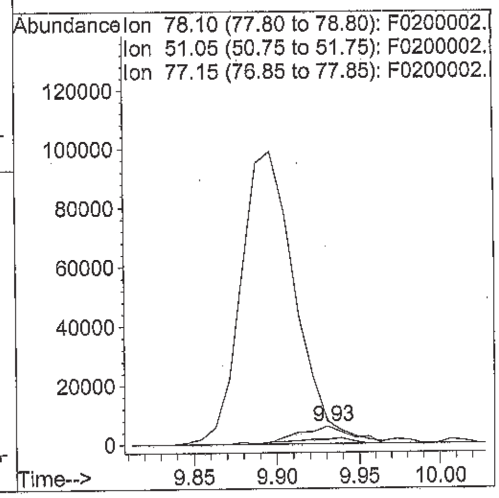


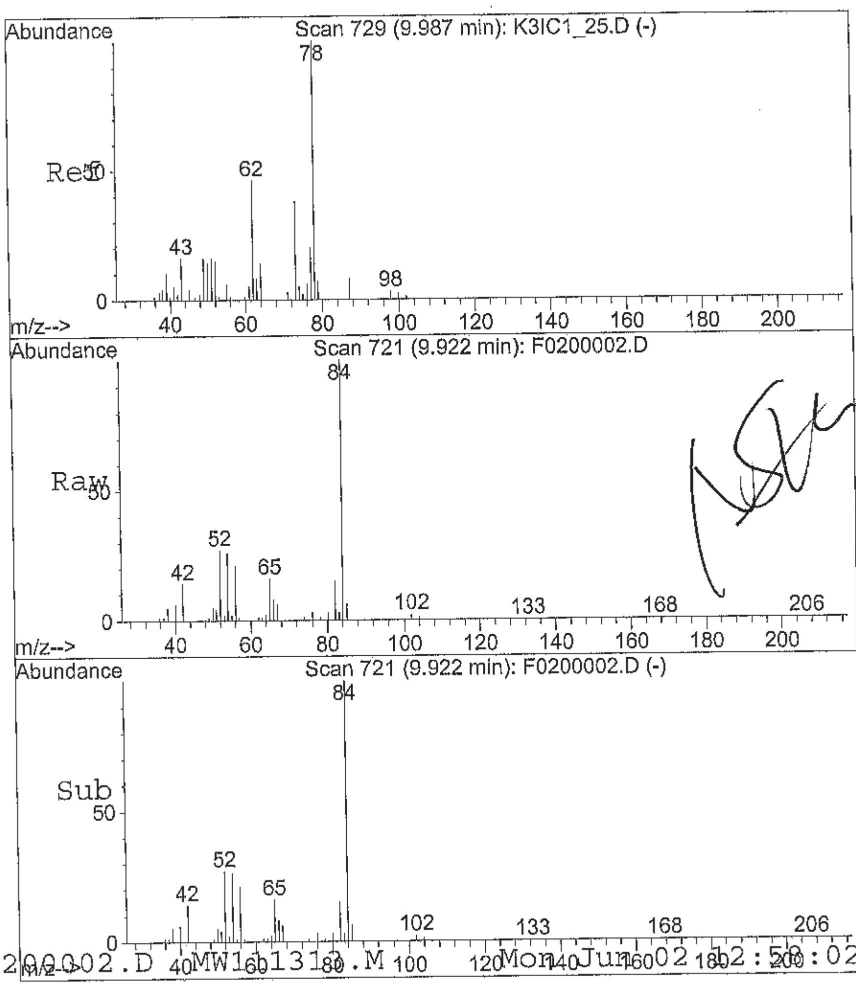


#31
Benzene
Concen: 1.02 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.05 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 78 Resp: 13109

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	30.7	16.6	24.8#

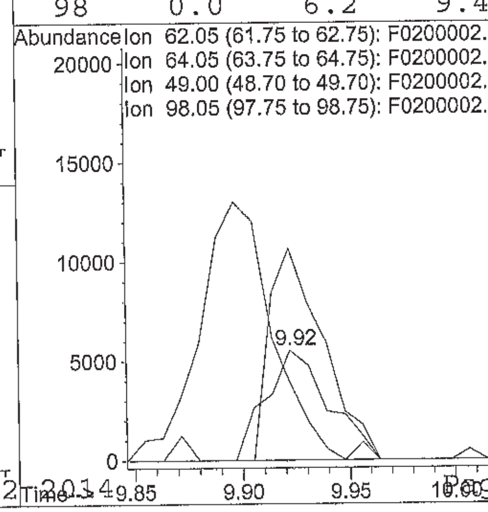


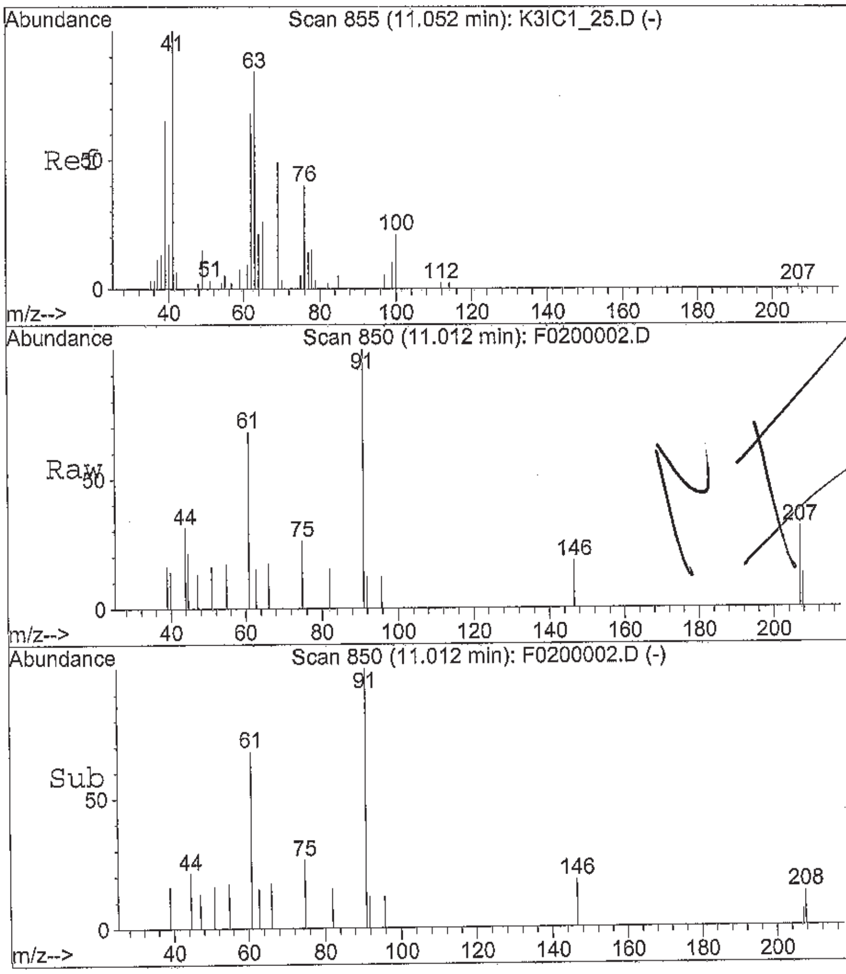


#32
1,2-Dichloroethane
Concen: 2.48 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 62 Resp: 11263

Ion	Ratio	Lower	Upper
62	100		
64	166.7	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

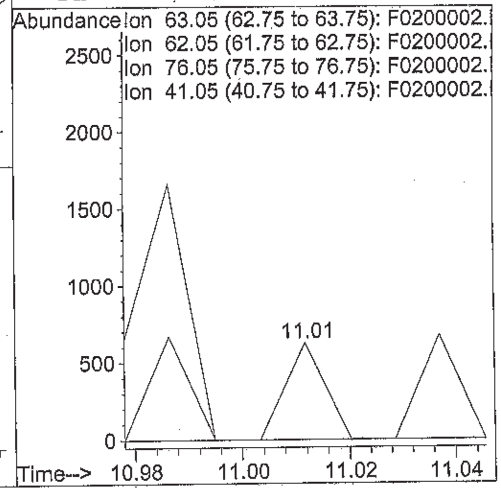


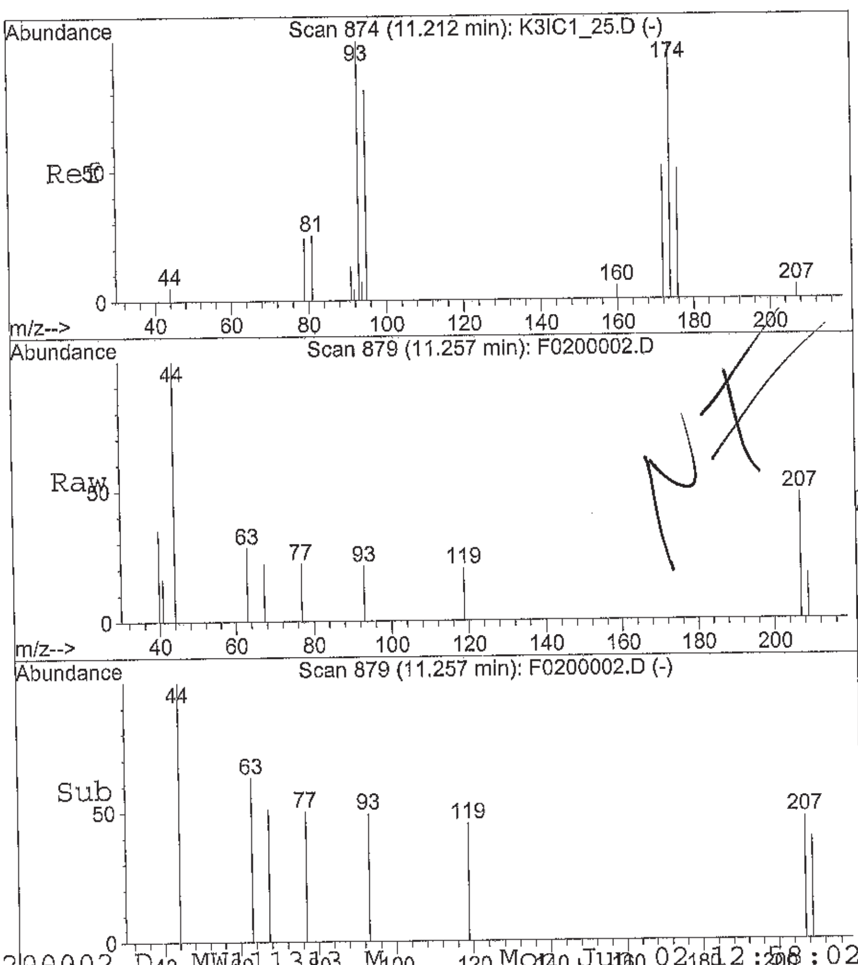


#34
1,2-Dichloropropane
Concen: 0.10 ug/L
RT: 11.01 min Scan# 850
Delta R.T. -0.04 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 63 Resp: 316

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	0.0	103.0	154.6#

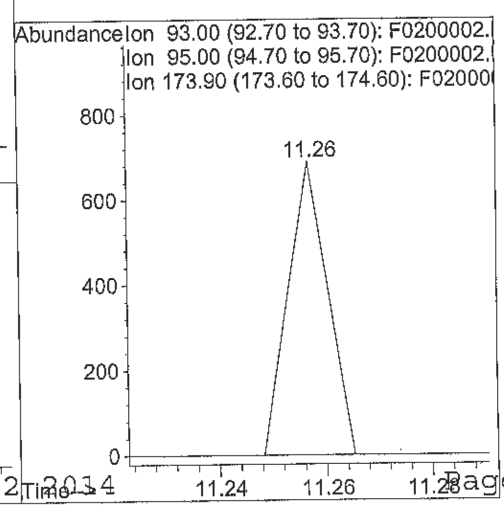


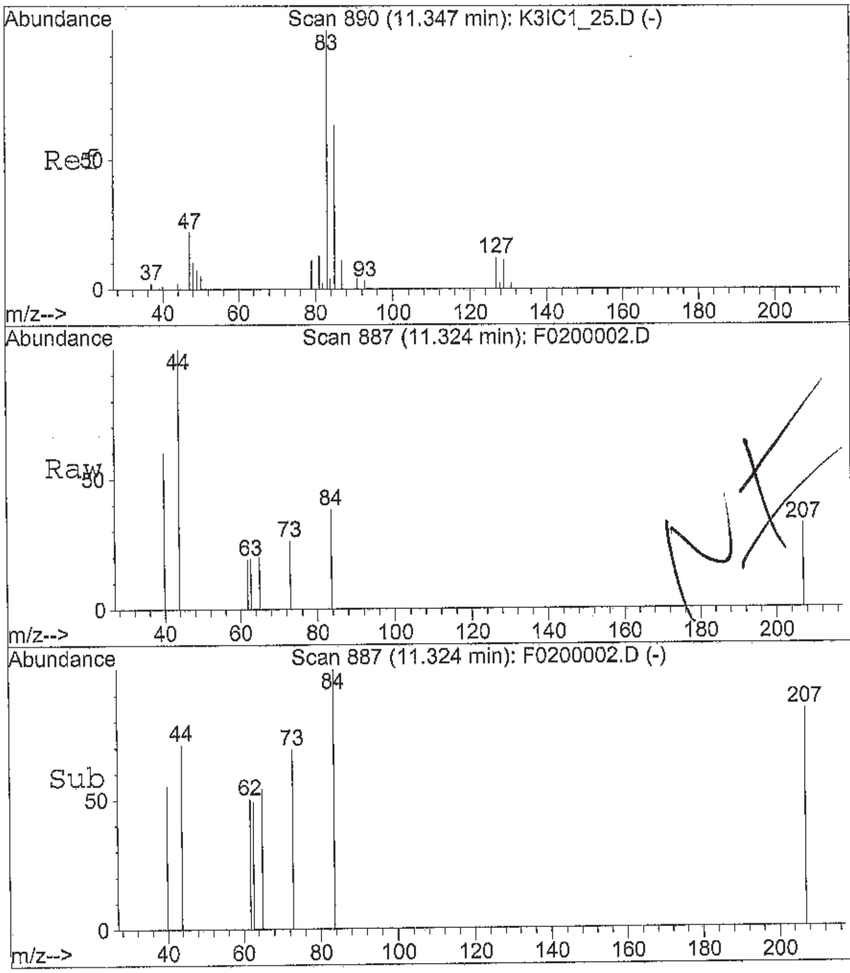


#35
Dibromomethane
Concen: 0.15 ug/L
RT: 11.26 min Scan# 879
Delta R.T. 0.04 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 93 Resp: 349

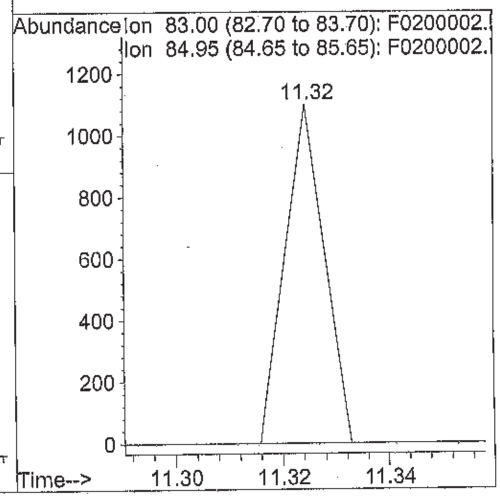
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

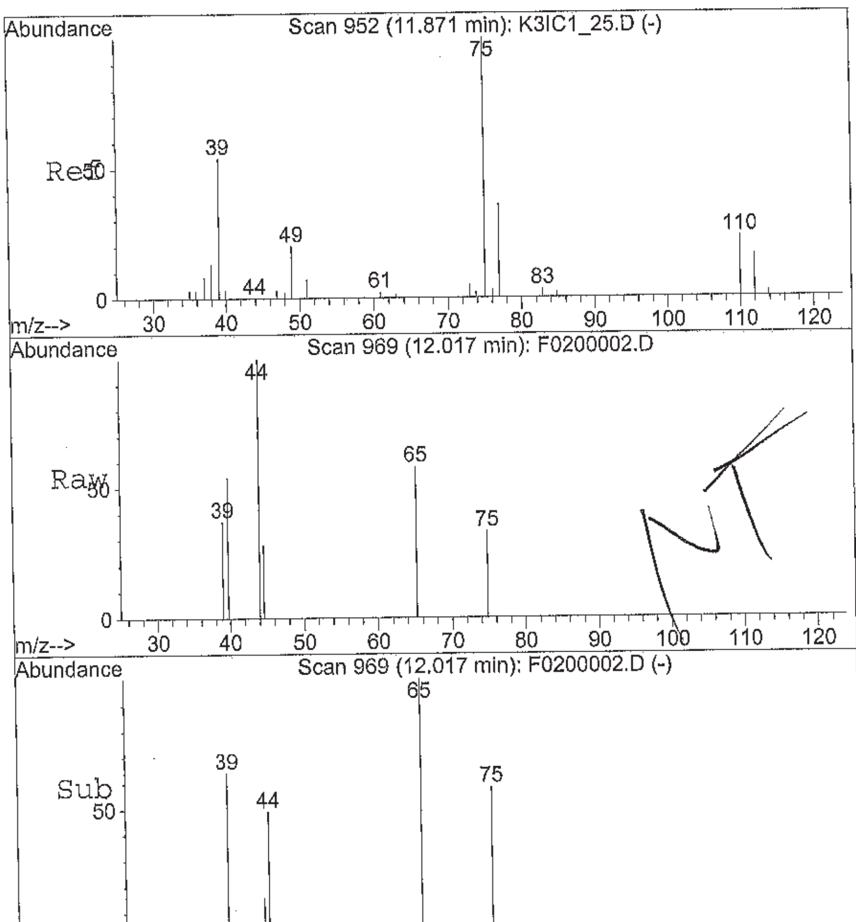




#36
Bromodichloromethane
Concen: 0.12 ug/L
RT: 11.32 min Scan# 887
Delta R.T. -0.02 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

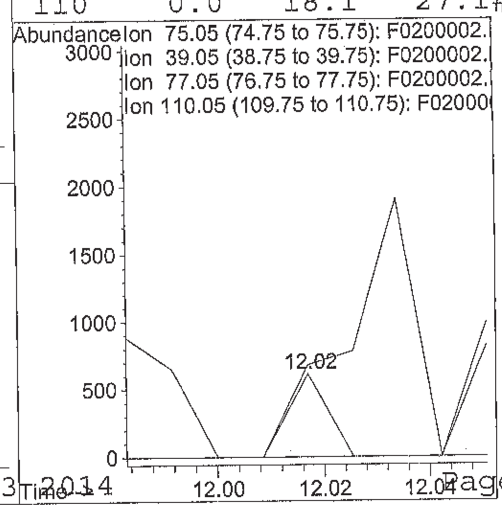
Tgt Ion: 83	Resp:		558
Ion	Ratio	Lower	Upper
83	100		
85	0.0	48.2	72.2#

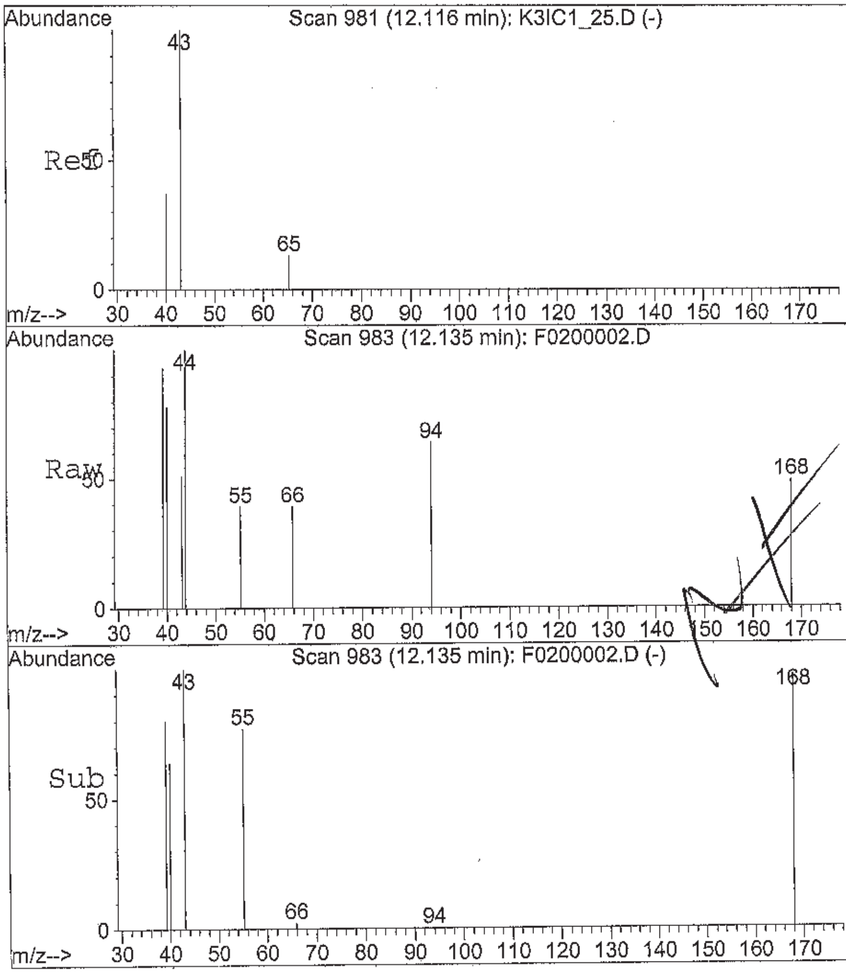




#37
cis-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 12.02 min Scan# 969
Delta R.T. 0.15 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 75	Resp:		309
Ion	Ratio	Lower	Upper
75	100		
39	0.0	40.7	61.1#
77	0.0	28.8	43.2#
110	0.0	18.1	27.1#

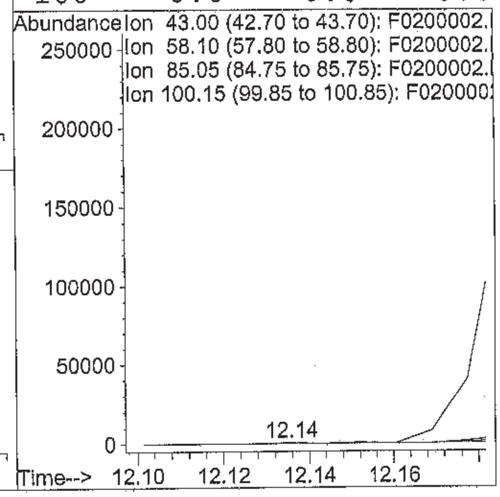


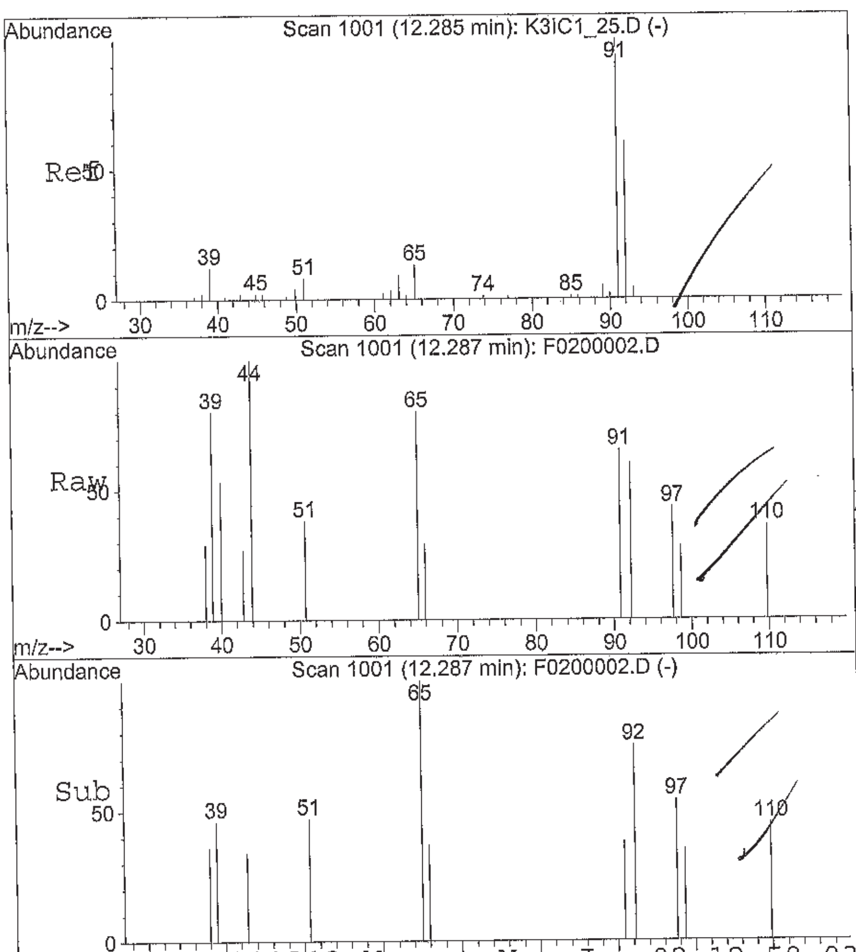


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.24 ug/L
RT: 12.14 min Scan# 983
Delta R.T. 0.02 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 43 Resp: 608

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

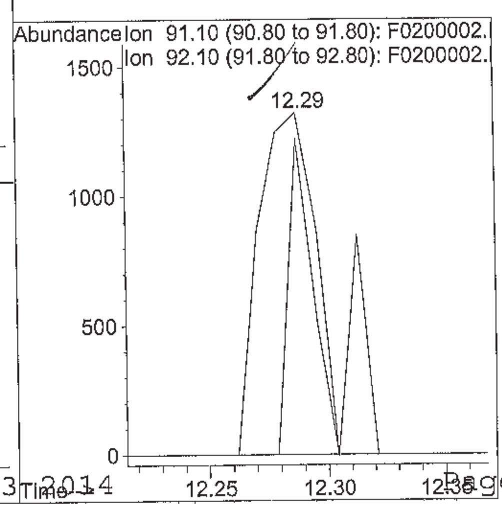




#41
Toluene
Concen: 0.15 ug/L
RT: 12.29 min Scan# 1001
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 91 Resp: 2610

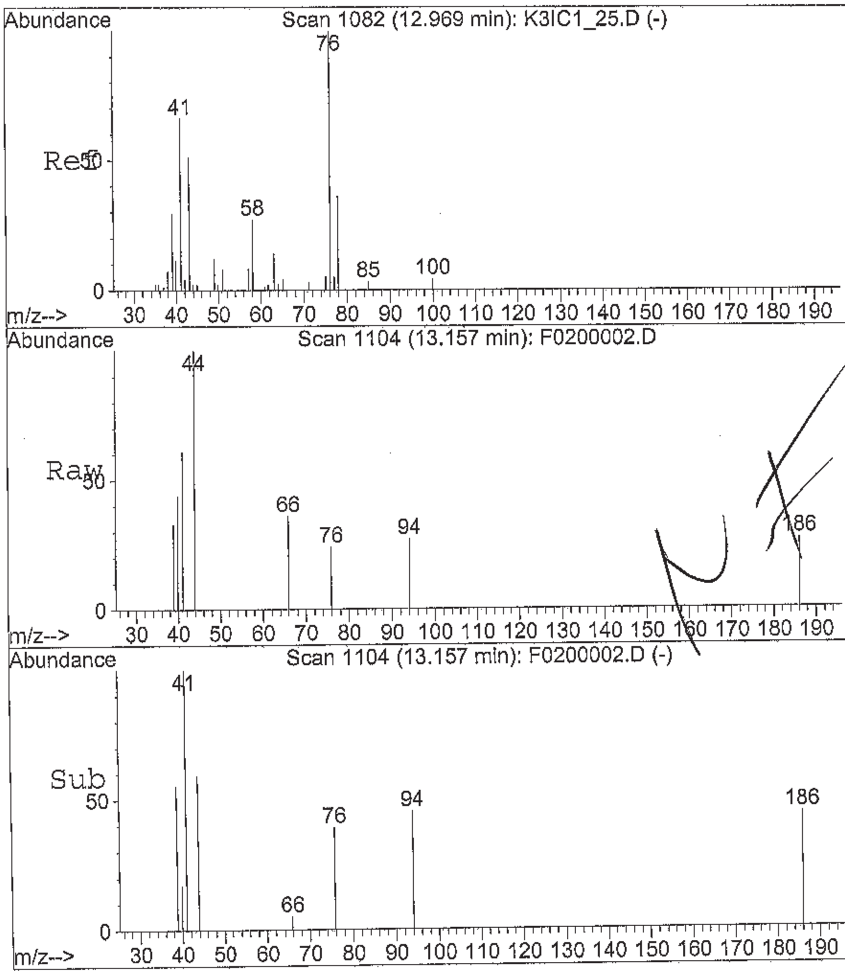
Ion	Ratio	Lower	Upper
91	100		
92	33.5	47.4	71.0#

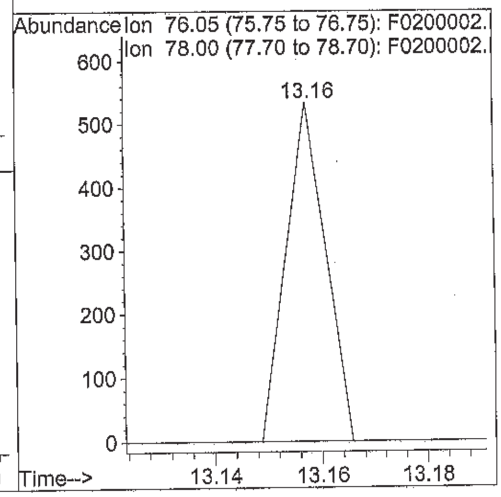


#45
1,3-Dichloropropane
Concen: 0.05 ug/L
RT: 13.16 min   Scan# 1104
Delta R.T.   0.19 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 76 Resp: 270

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.9	40.3#

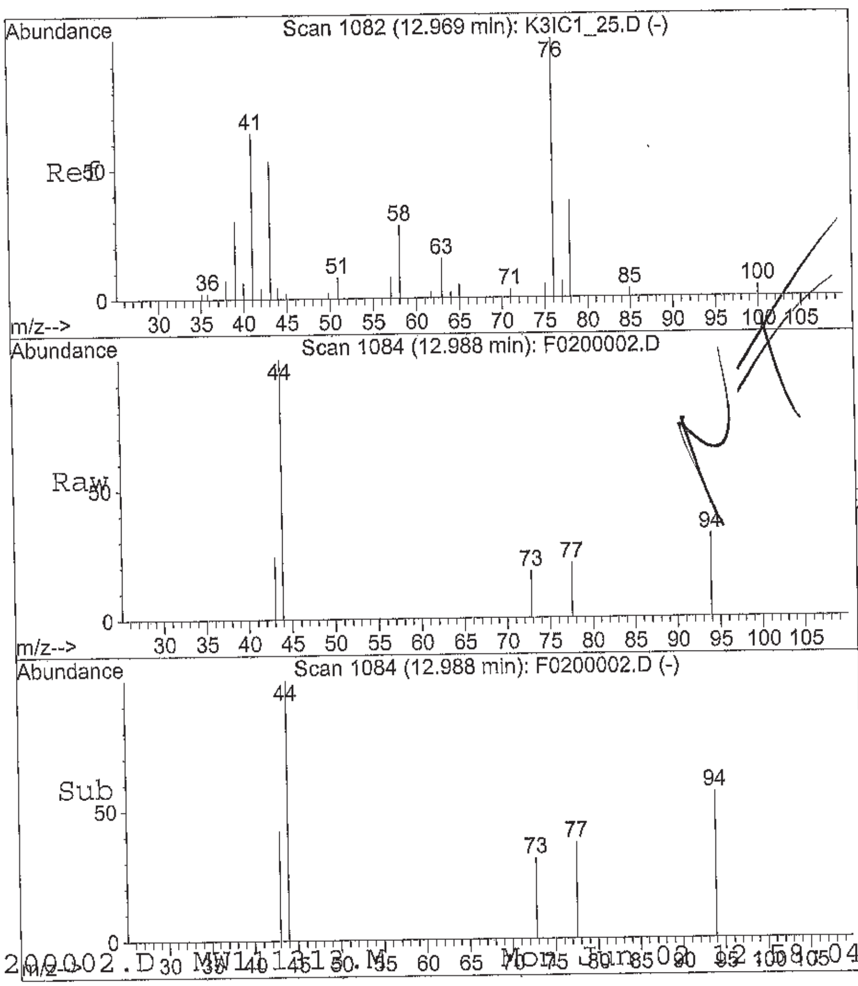


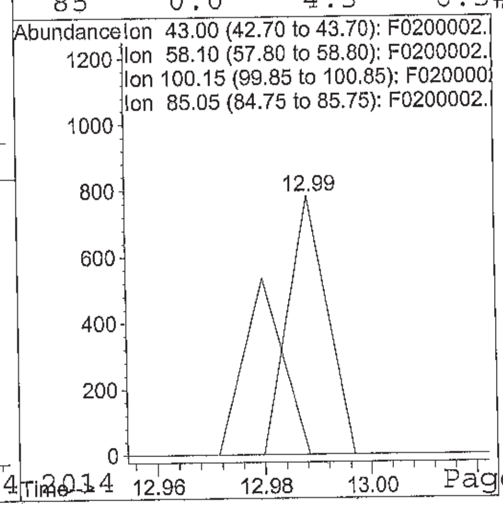


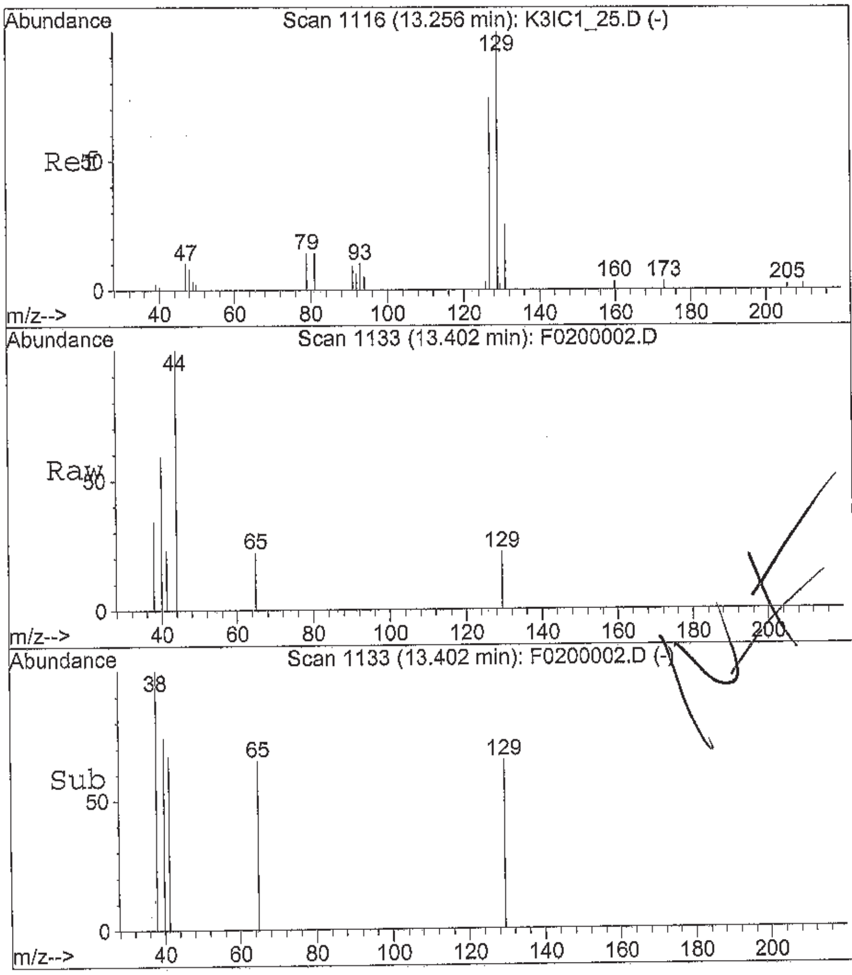
#46
2-Hexanone
Concen: 0.14 ug/L
RT: 12.99 min   Scan# 1084
Delta R.T.   0.02 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 43 Resp: 396

Ion	Ratio	Lower	Upper
43	100		
58	68.4	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#



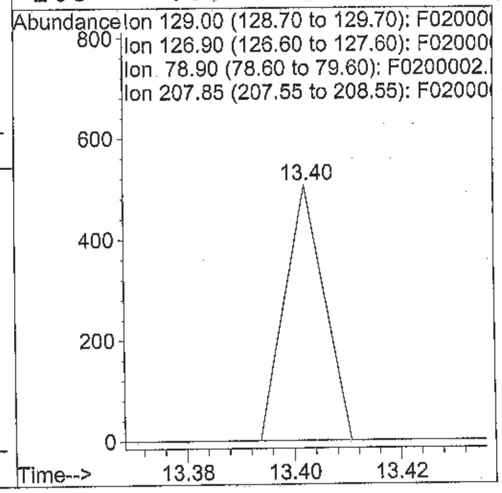


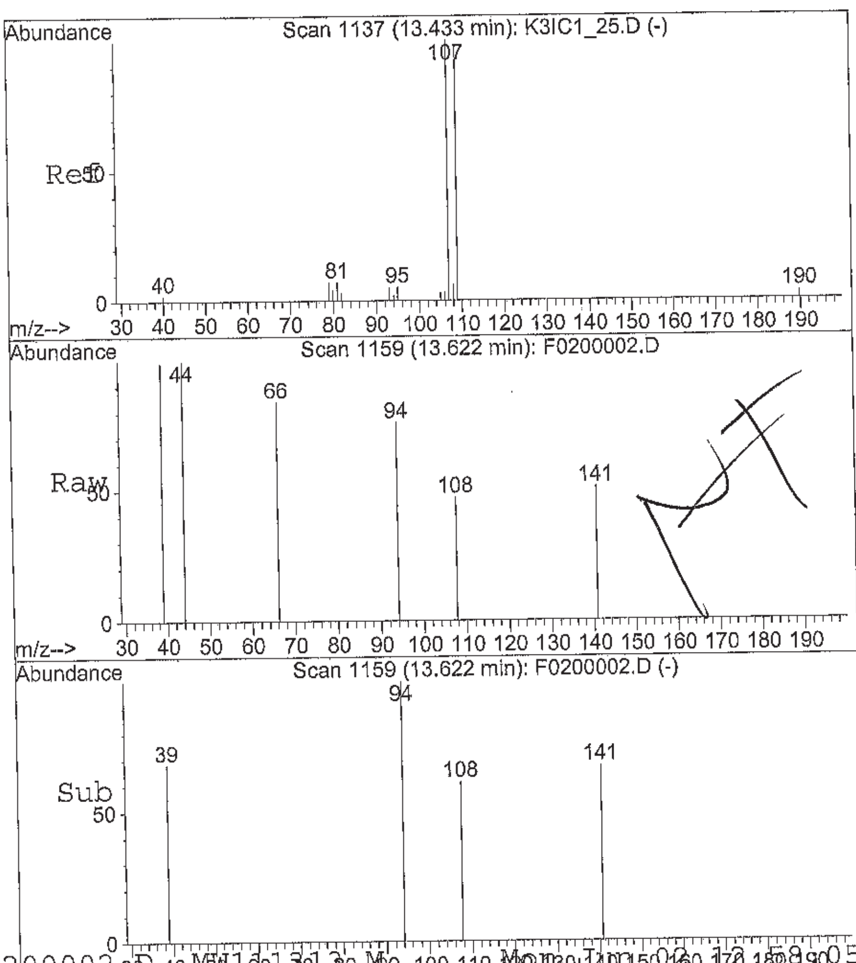


#47
Dibromochloromethane
Concen: 0.06 ug/L
RT: 13.40 min Scan# 1133
Delta R.T. 0.15 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:129 Resp: 256

Ion	Ratio	Lower	Upper
129	100		
127	0.0	61.6	92.4#
79	0.0	10.7	16.1#
208	0.0	1.4	2.0#

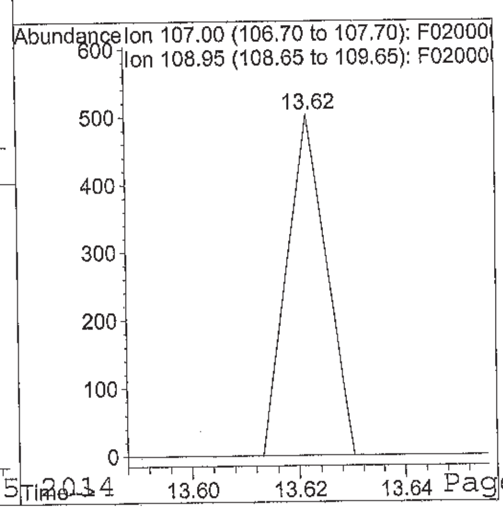


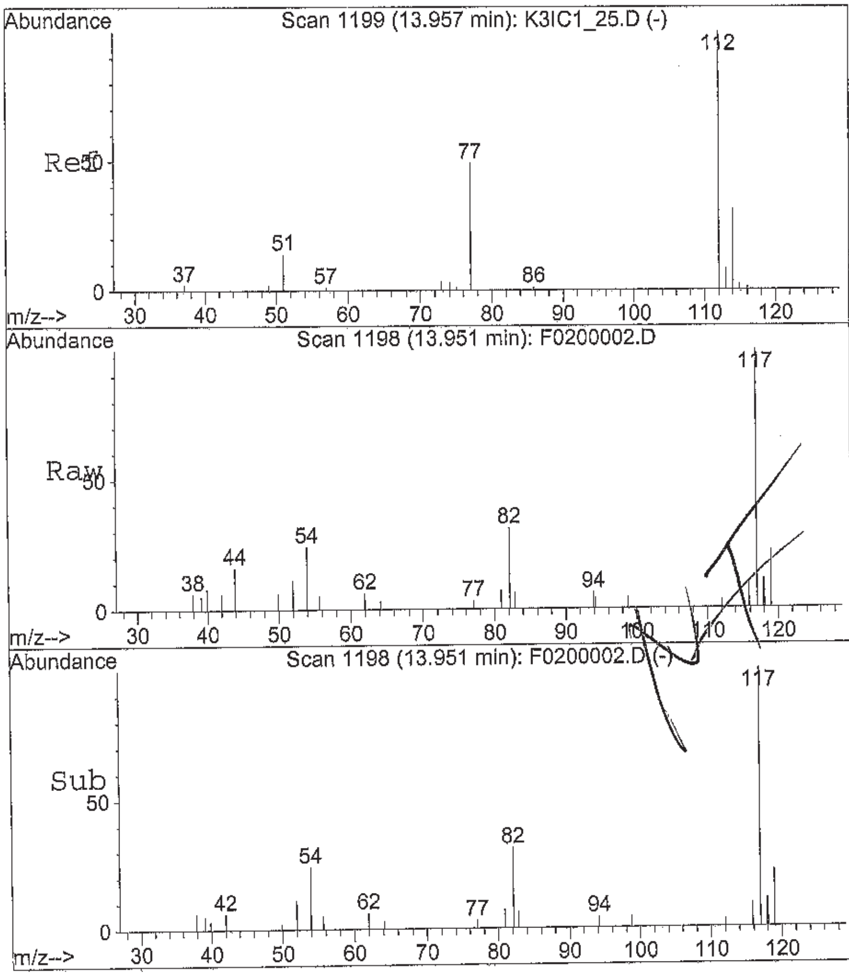


#48
1,2-Dibromoethane
Concen: 0.06 ug/L
RT: 13.62 min Scan# 1159
Delta R.T. 0.19 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:107 Resp: 255

Ion	Ratio	Lower	Upper
107	100		
109	0.0	74.4	111.6#

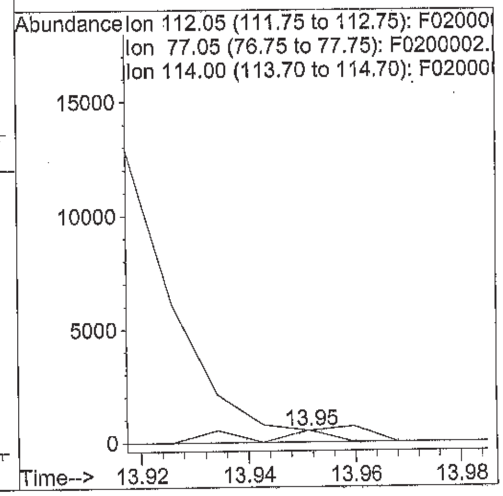


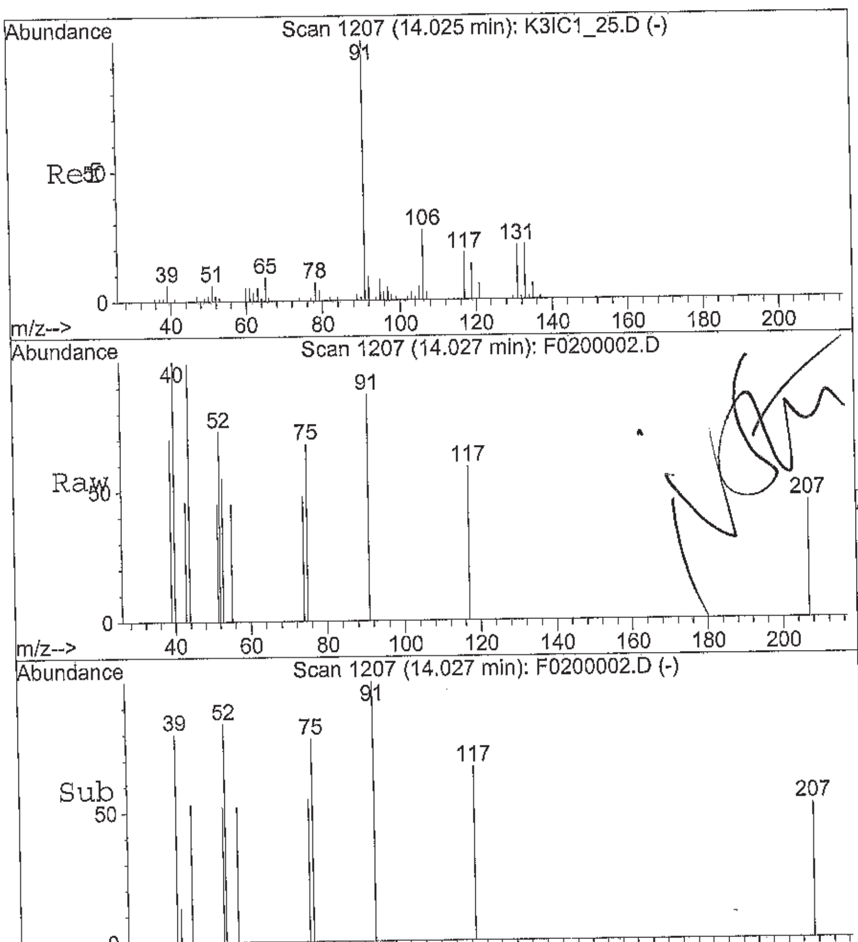


#49
Chlorobenzene
Concen: 0.02 ug/L
RT: 13.95 min Scan# 1198
Delta R.T. -0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:112 Resp: 257

Ion	Ratio	Lower	Upper
112	100		
77	0.0	48.2	72.4#
114	0.0	24.4	36.6#

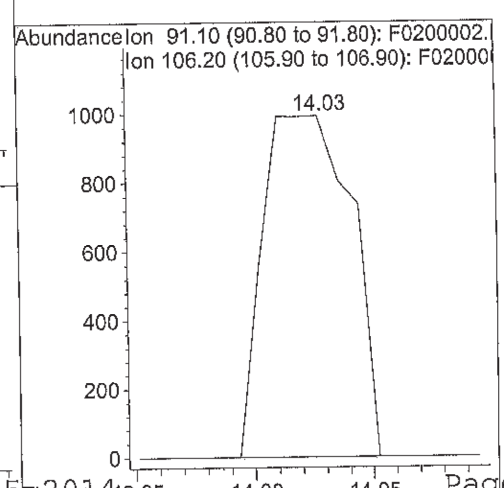


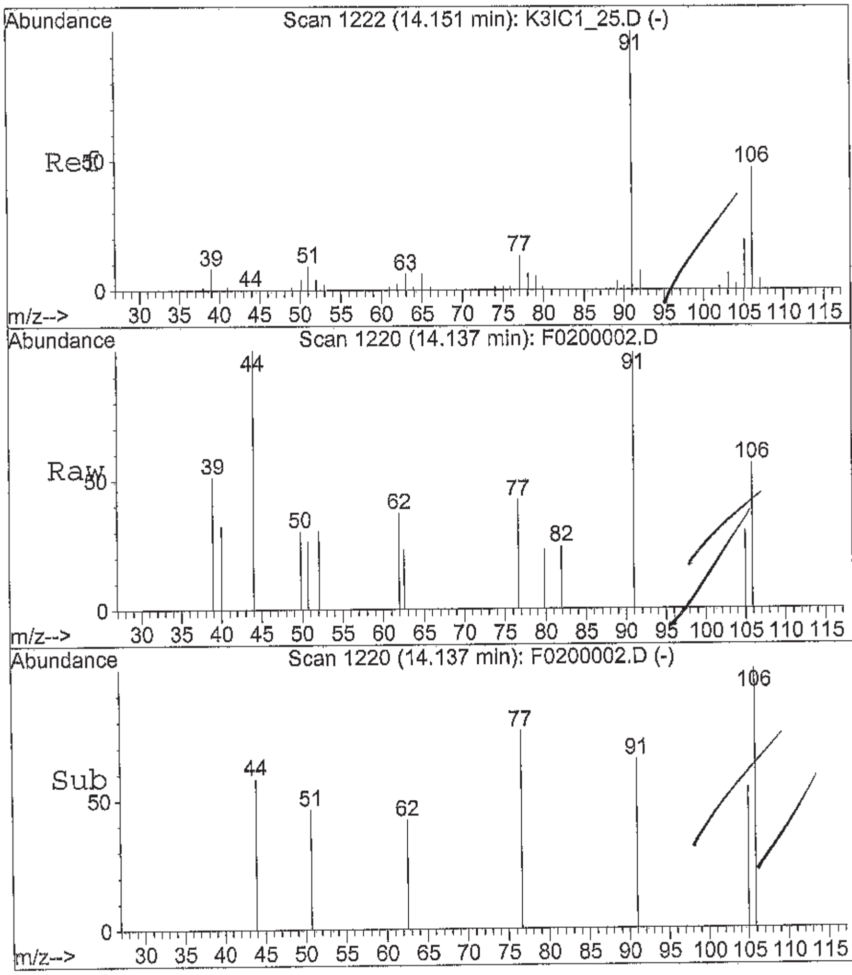


#51
Ethylbenzene
Concen: 0.13 ug/L
RT: 14.03 min Scan# 1207
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 91 Resp: 2572

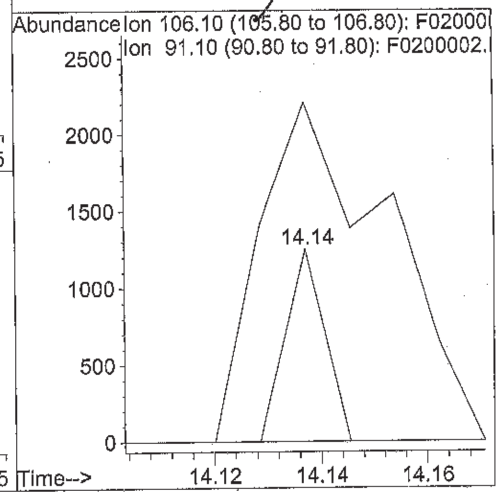
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

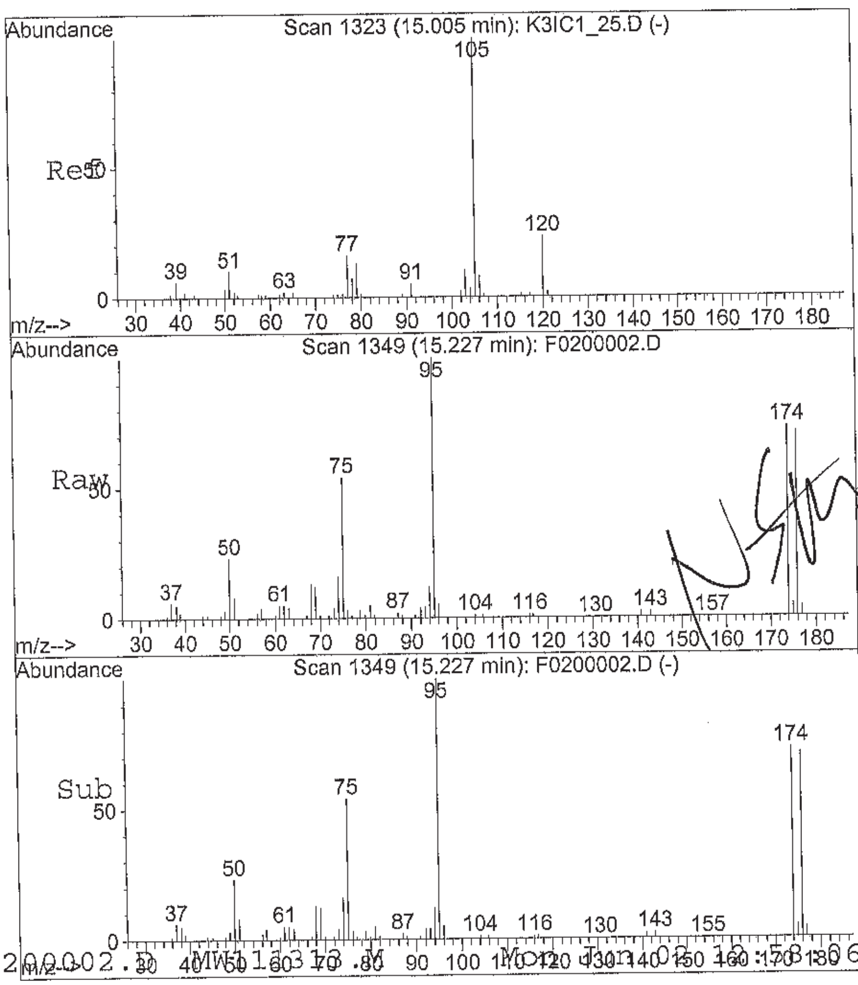




#52
m,p-Xylenes
Concen: 0.09 ug/L
RT: 14.14 min Scan# 1220
Delta R.T. -0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

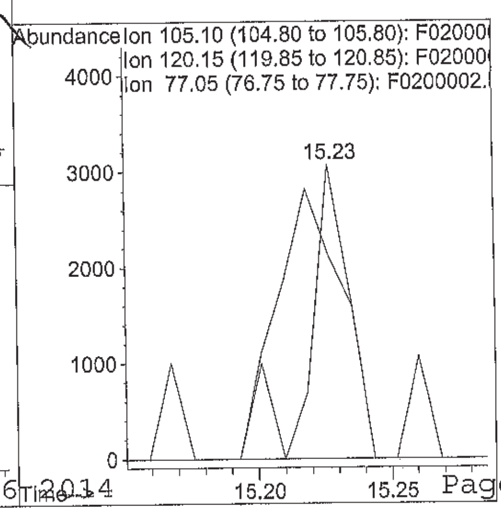
Tgt	Ion:106	Resp:	632
Ion	Ratio	Lower	Upper
106	100		
91	581.3	177.1	265.7#





#56
Isopropylbenzene
Concen: 0.17 ug/L
RT: 15.23 min Scan# 1349
Delta R.T. 0.22 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

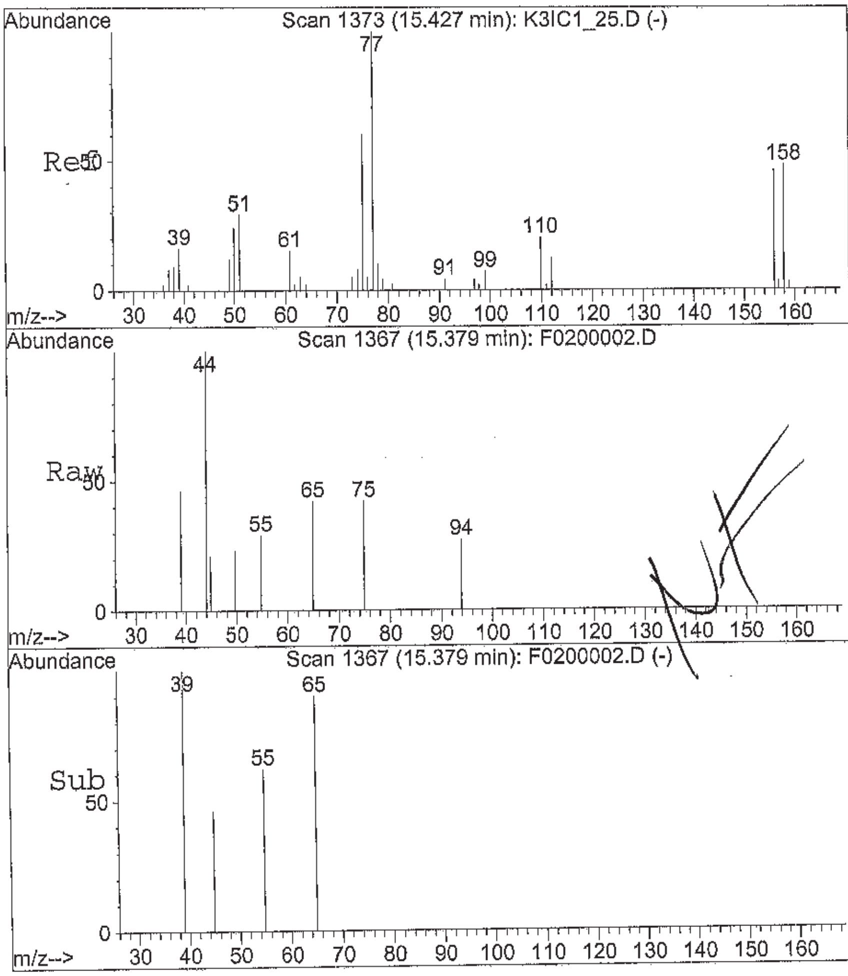
Tgt	Ion:105	Resp:	3222
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	149.5	13.1	19.7#

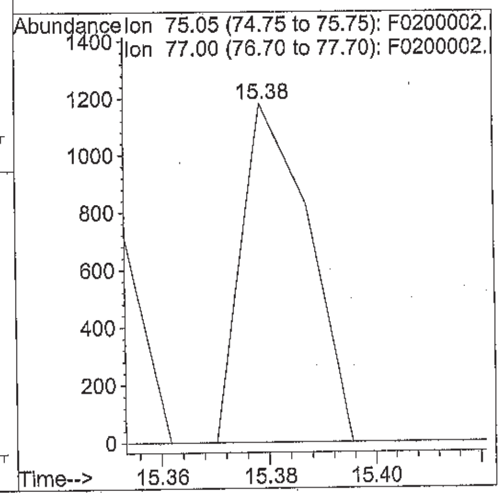


#57
1,2,3-Trichloropropane
Concen: 0.20 ug/L
RT: 15.38 min Scan# 1367
Delta R.T. -0.05 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 75 Resp: 1018

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

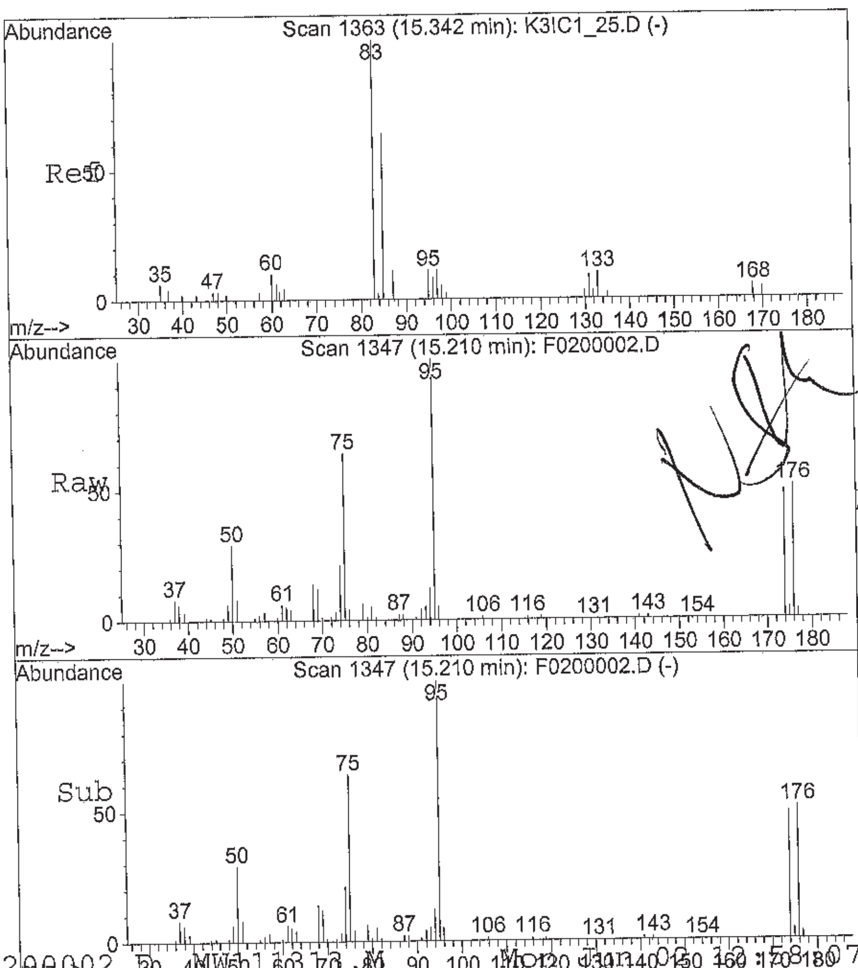


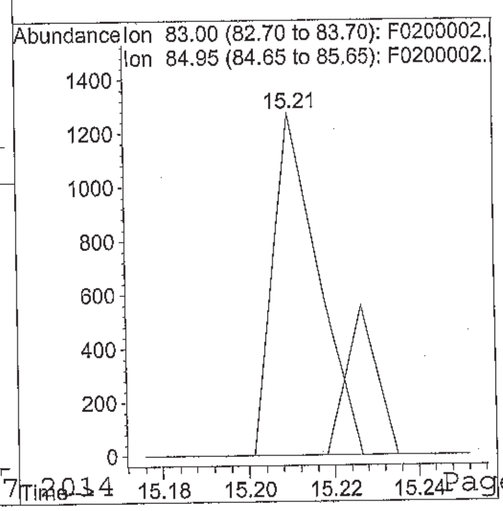


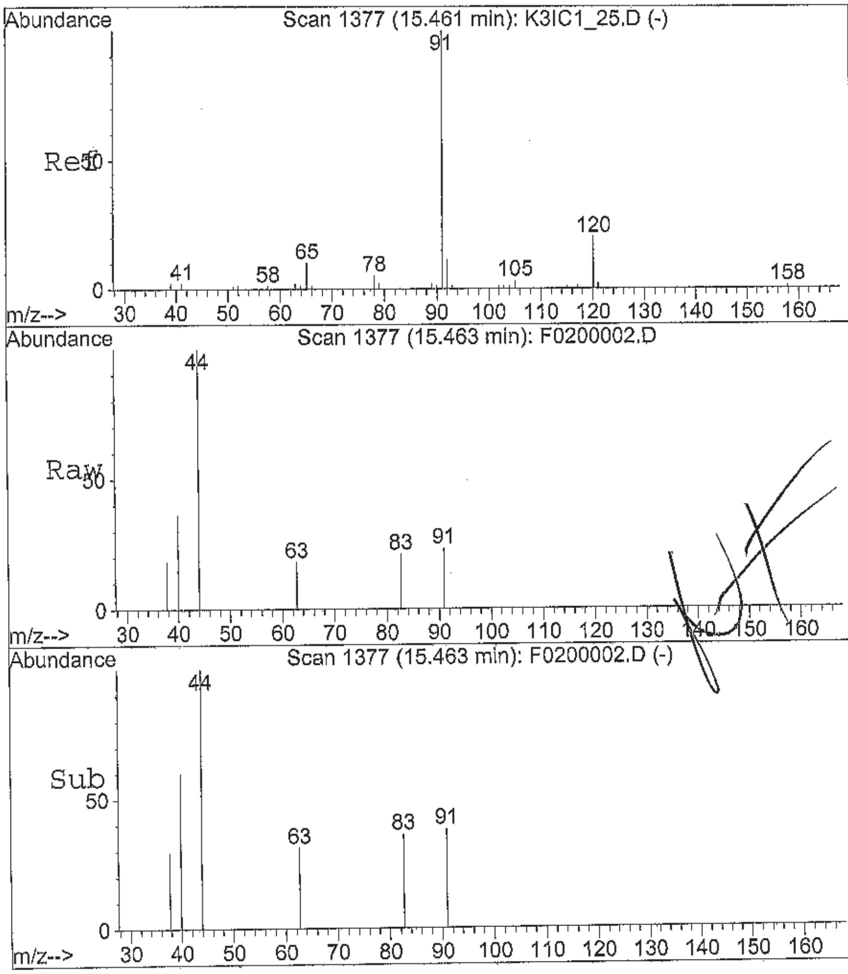
#60
1,1,2,2-Tetrachloroethane
Concen: 0.21 ug/L
RT: 15.21 min Scan# 1347
Delta R.T. -0.13 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 83 Resp: 929

Ion	Ratio	Lower	Upper
83	100		
85	30.4	51.2	76.8#



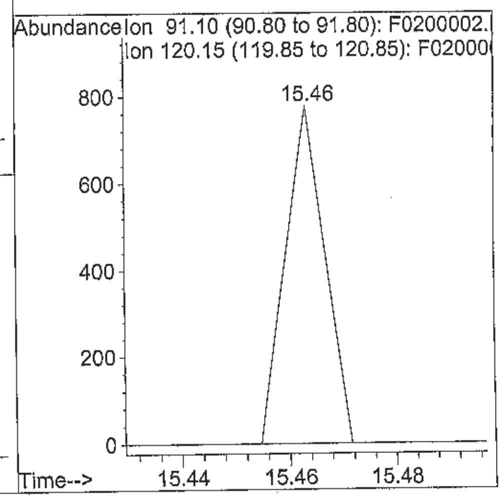


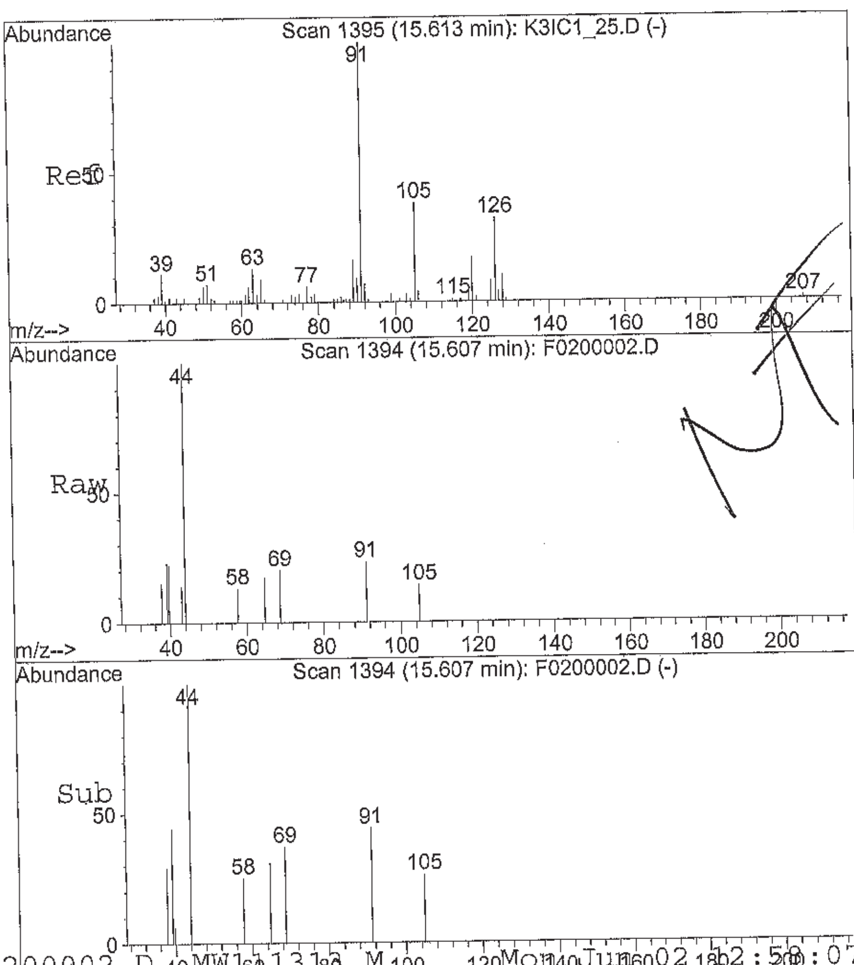


#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.46 min   Scan# 1377
Delta R.T.   0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014   12:16 pm

Tgt Ion: 91 Resp: 394

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

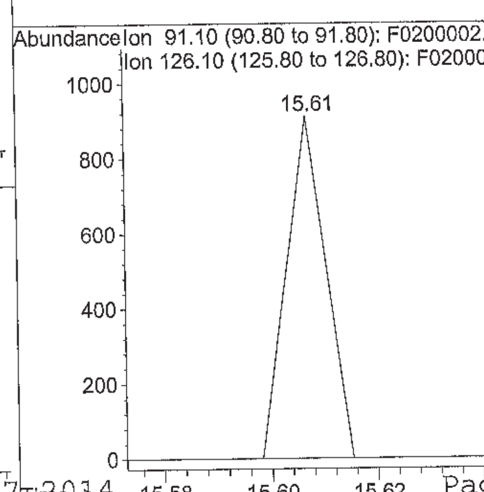


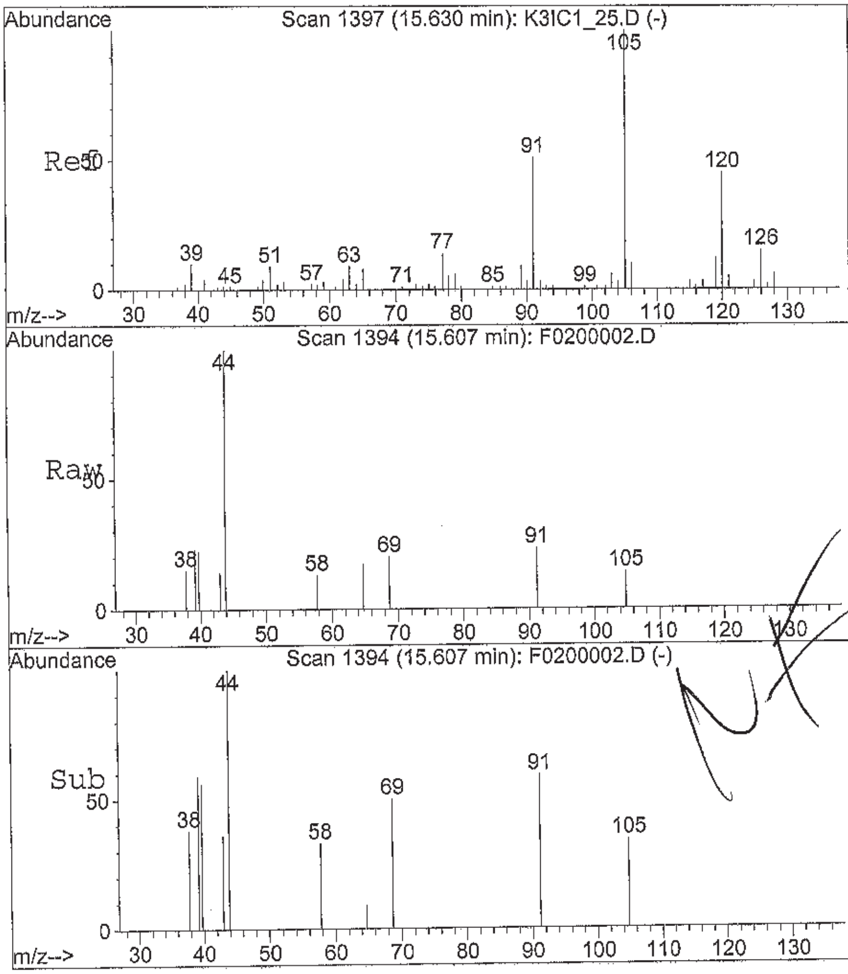


#63
2-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.61 min   Scan# 1394
Delta R.T.   -0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014   12:16 pm

Tgt Ion: 91 Resp: 462

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

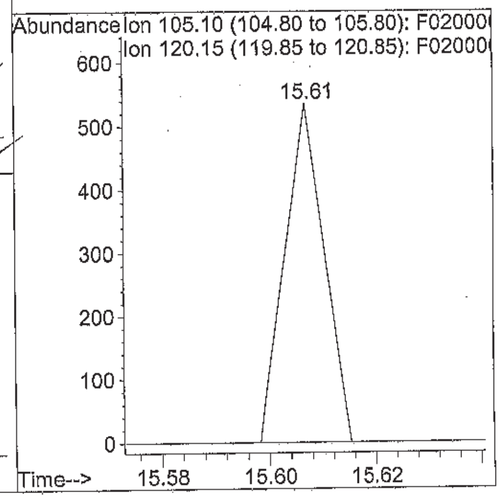


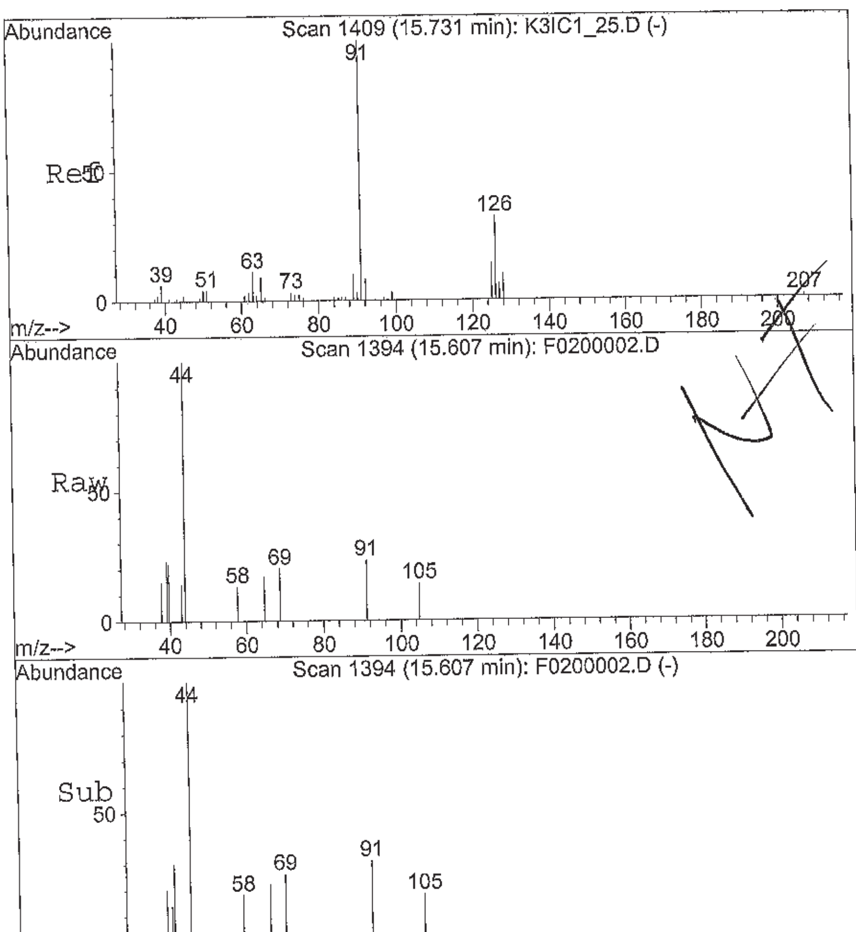


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.61 min Scan# 1394
Delta R.T. -0.02 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:105 Resp: 271

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

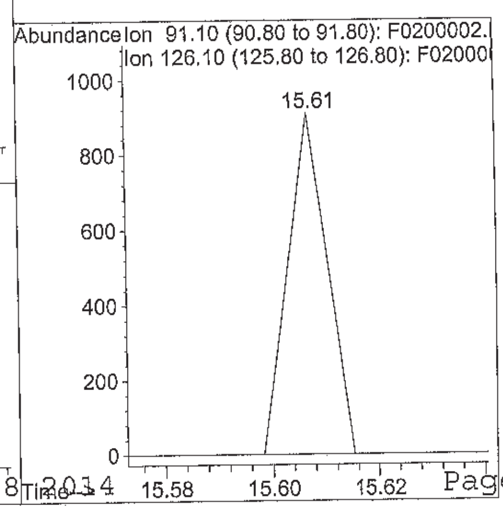


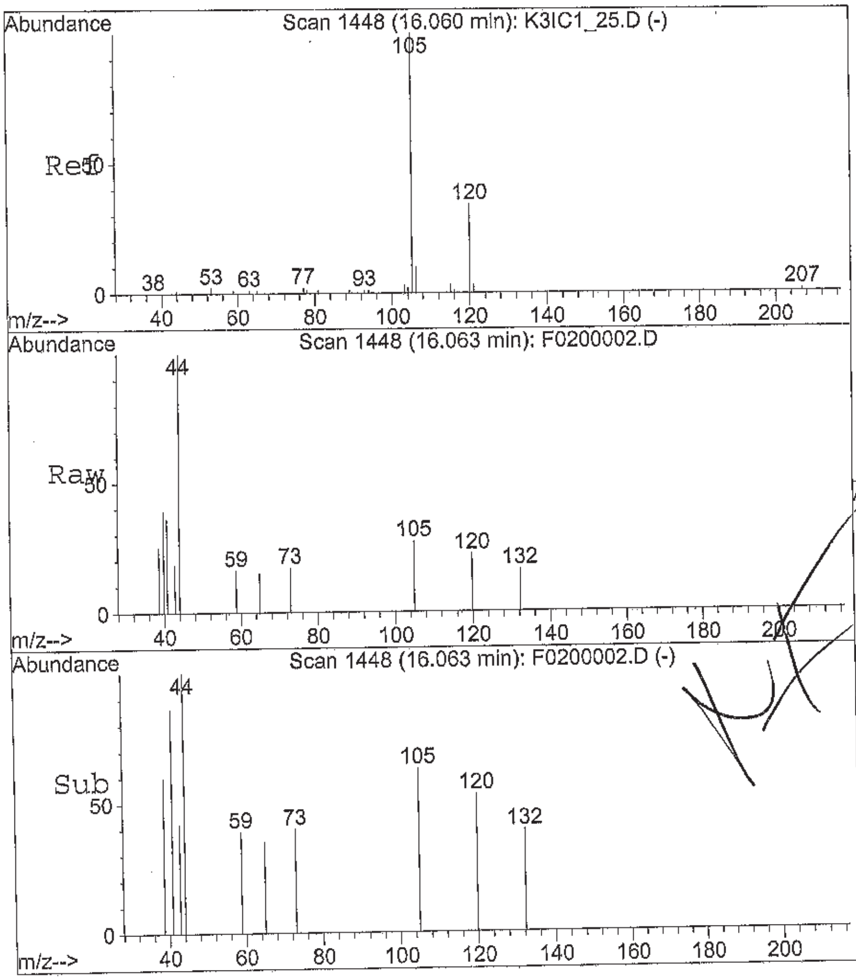


#65
4-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.61 min Scan# 1394
Delta R.T. -0.12 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 91 Resp: 462

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

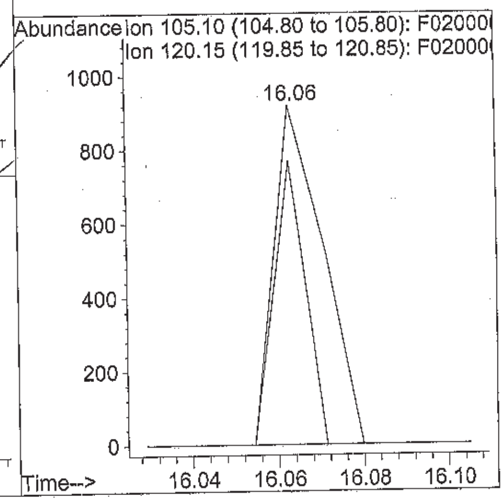


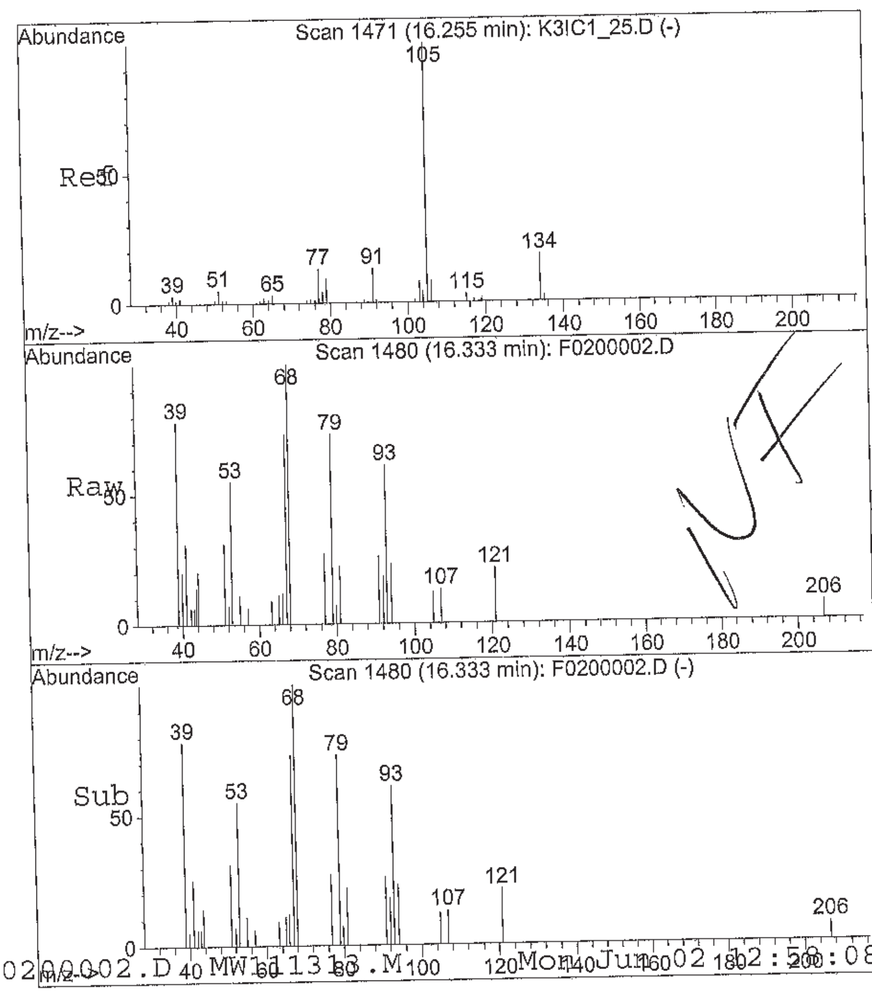


#67
1,2,4-Trimethylbenzene
Concen: 0.04 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:105 Resp: 728

Ion	Ratio	Lower	Upper
105	100		
120	53.4	33.8	50.8#

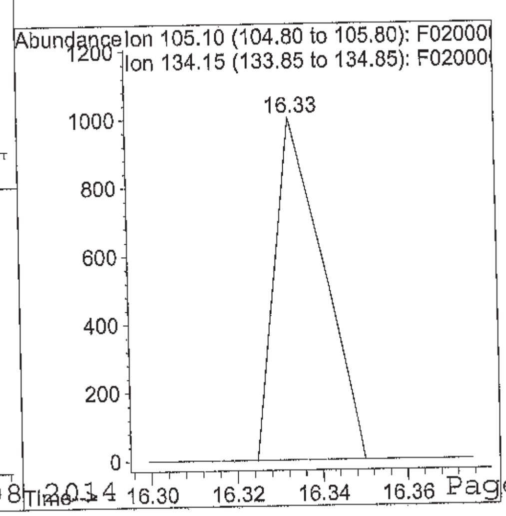


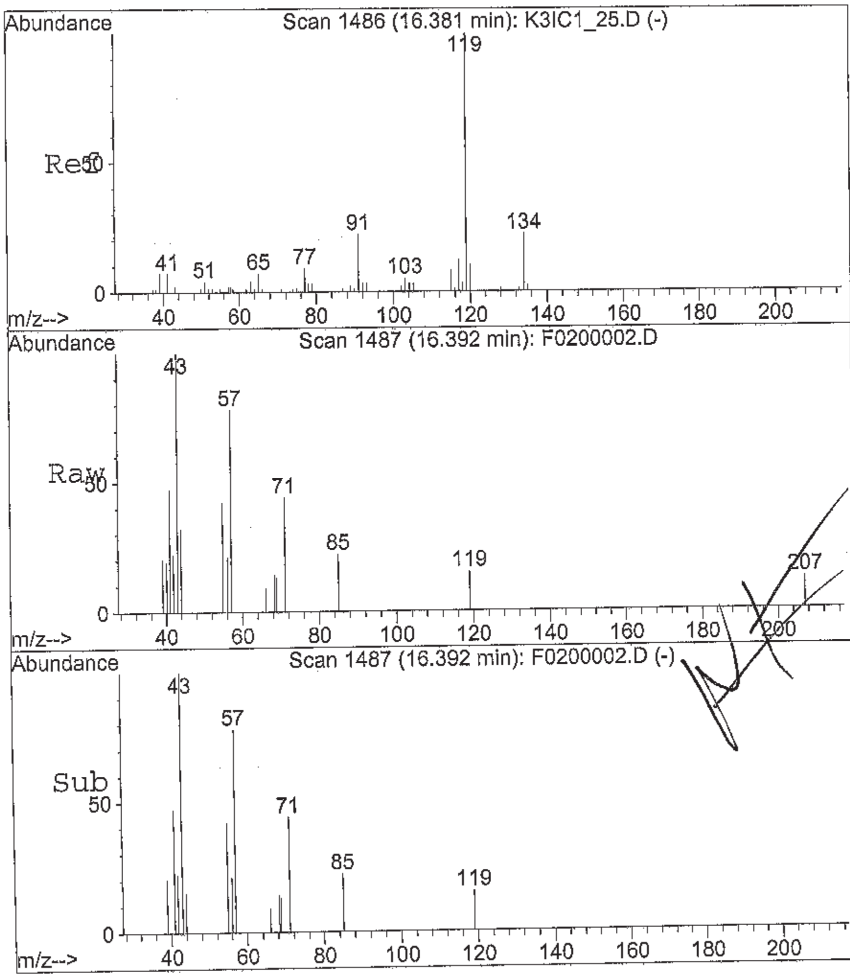


#68
sec-Butylbenzene
Concen: 0.04 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:105 Resp: 781

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

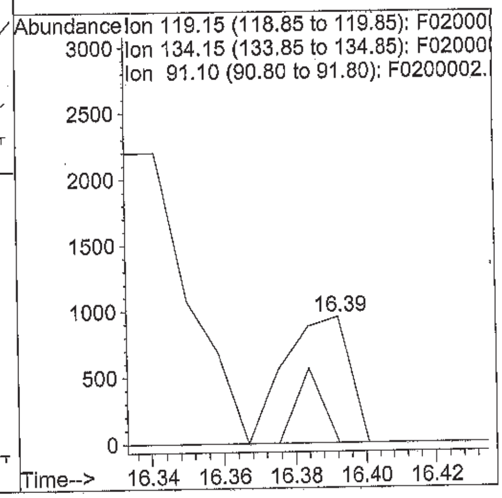


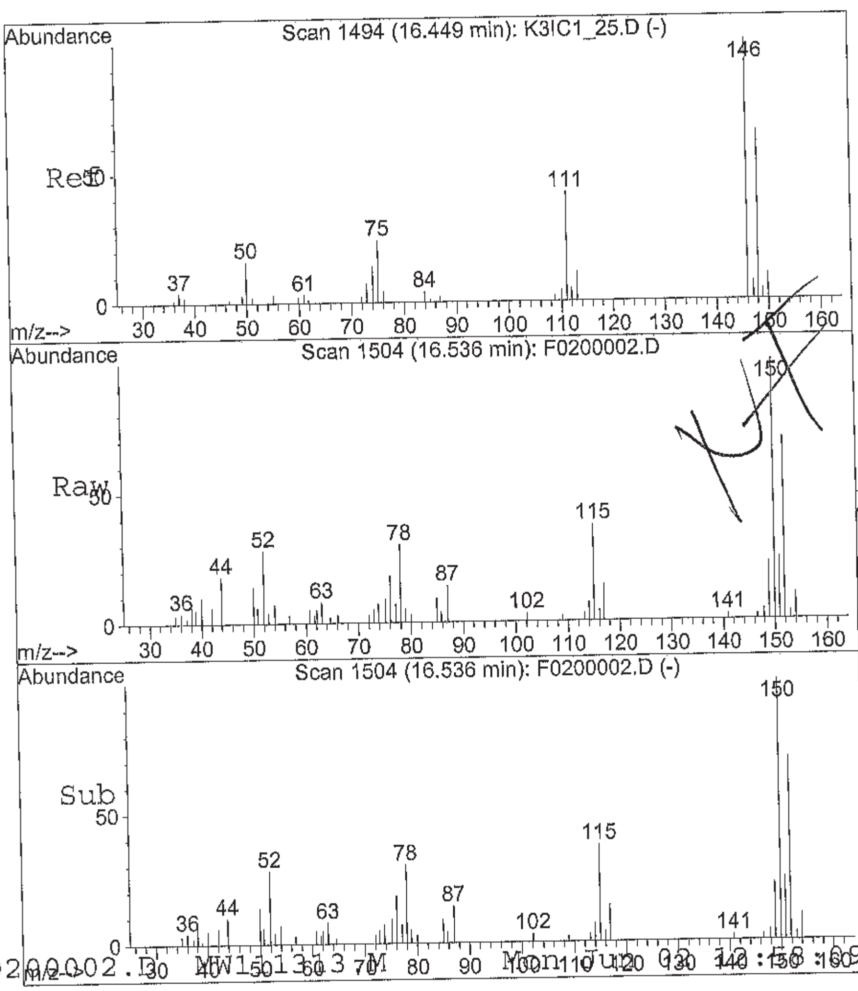


#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.39 min Scan# 1487
Delta R.T. 0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:119 Resp: 1205

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	23.4	19.6	29.4

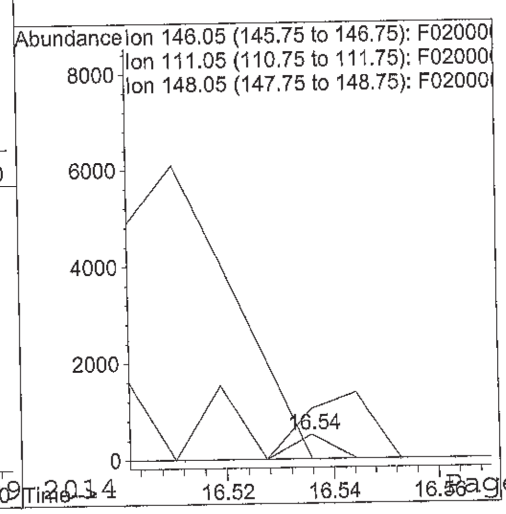


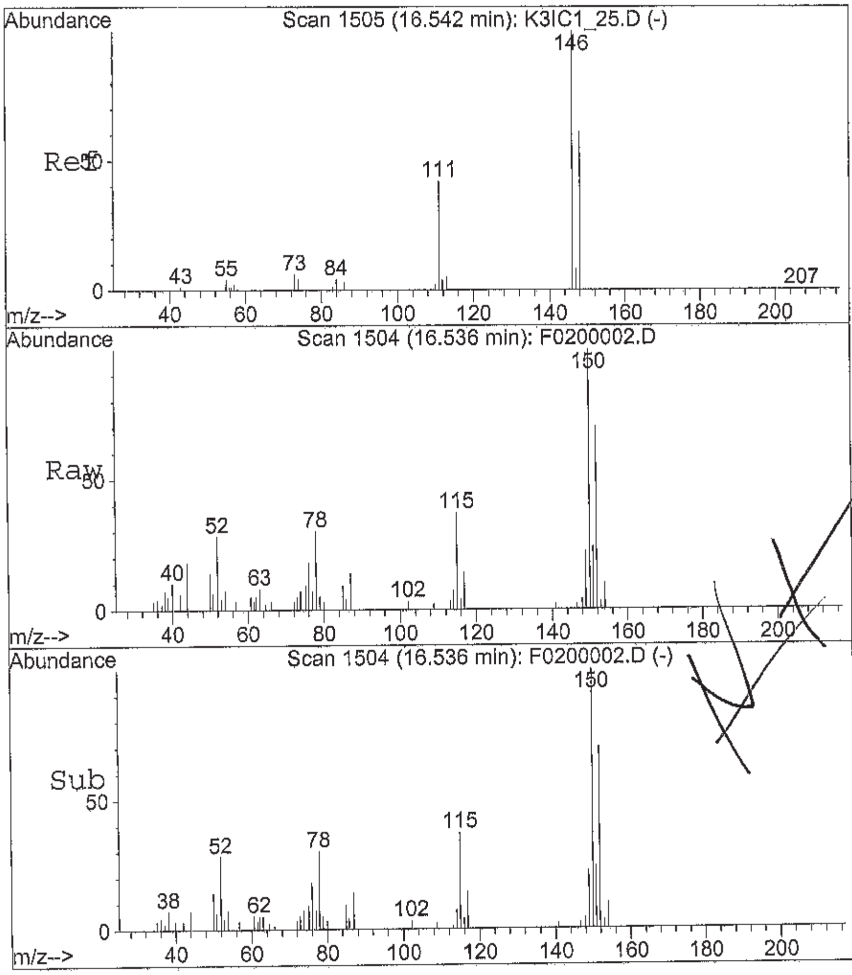


#70
1,3-Dichlorobenzene
Concen: 0.03 ug/L
RT: 16.54 min Scan# 1504
Delta R.T. 0.09 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:146 Resp: 254

Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.2	51.4#
148	480.7	50.9	76.3#

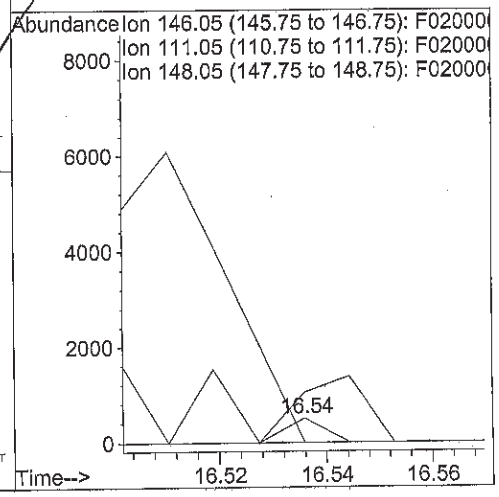


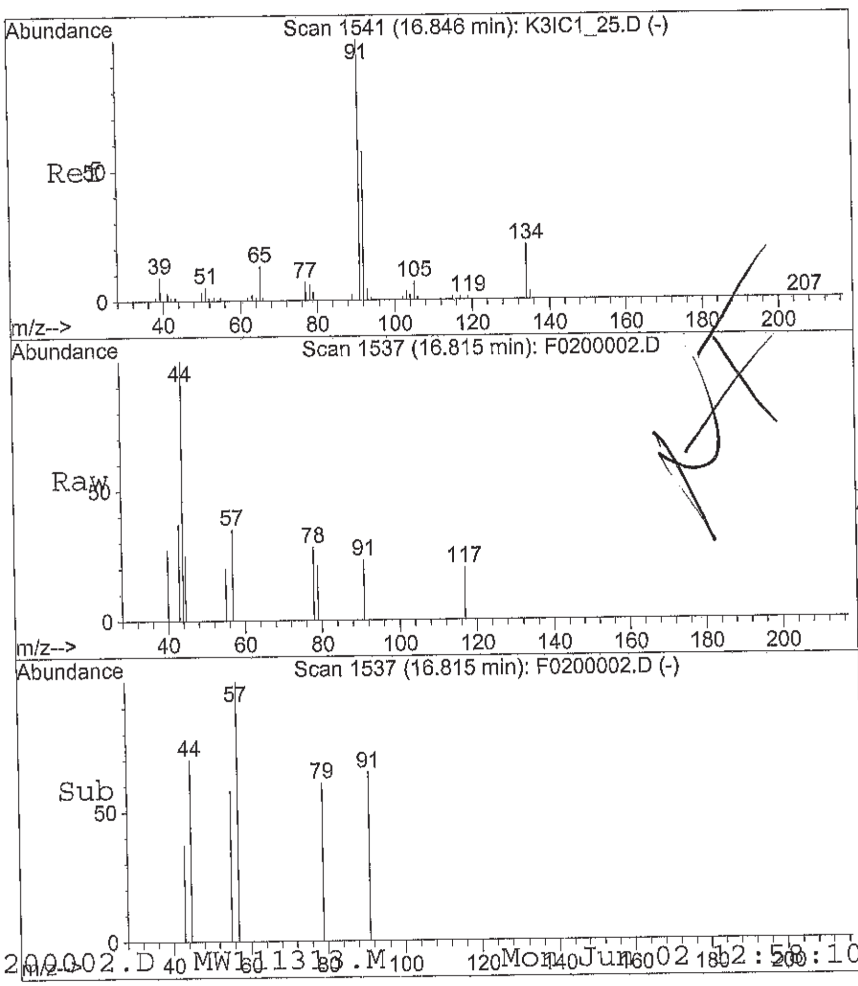


#71
1,4-Dichlorobenzene
Concen: 0.03 ug/L
RT: 16.54 min Scan# 1504
Delta R.T. -0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:146 Resp: 254

Ion	Ratio	Lower	Upper
146	100		
111	0.0	37.6	56.4#
148	480.7	52.6	78.8#

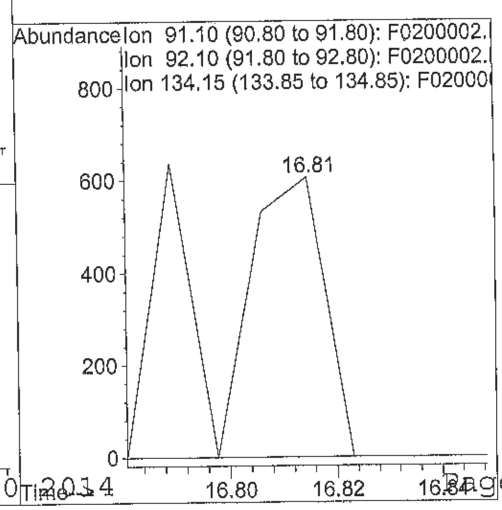


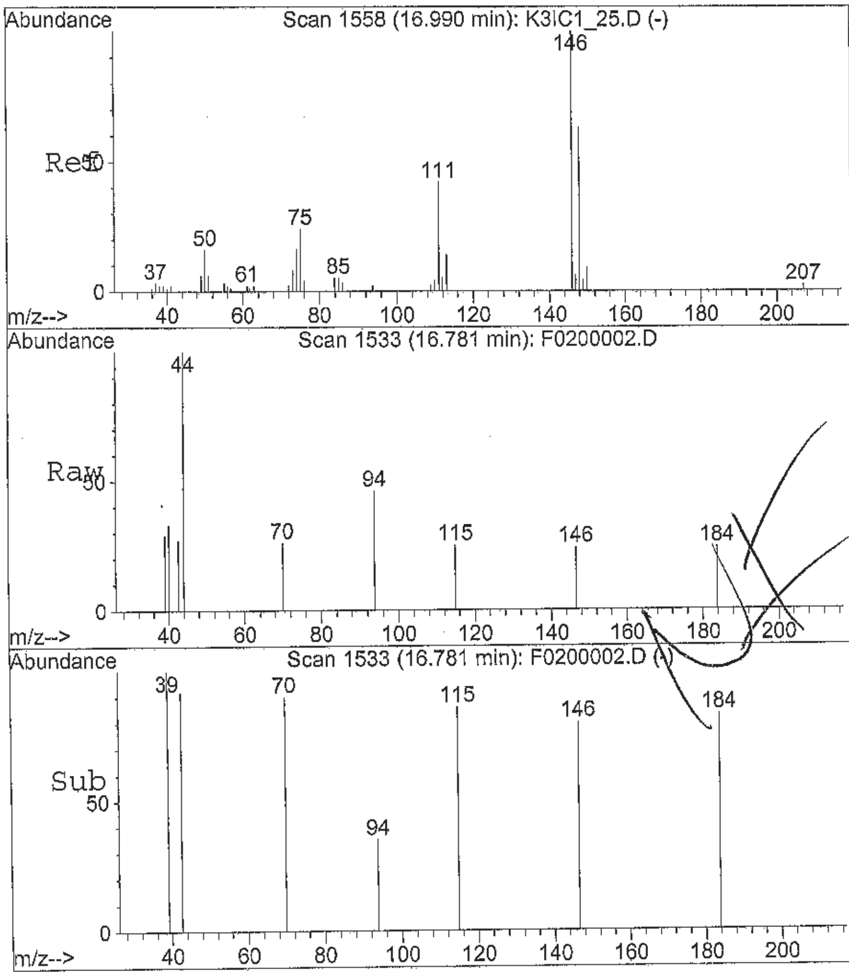


#72
n-Butylbenzene
Concen: 0.03 ug/L
RT: 16.81 min Scan# 1537
Delta R.T. -0.03 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 91 Resp: 576

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#

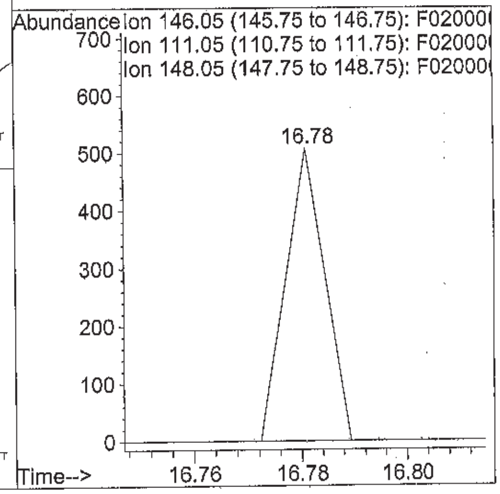


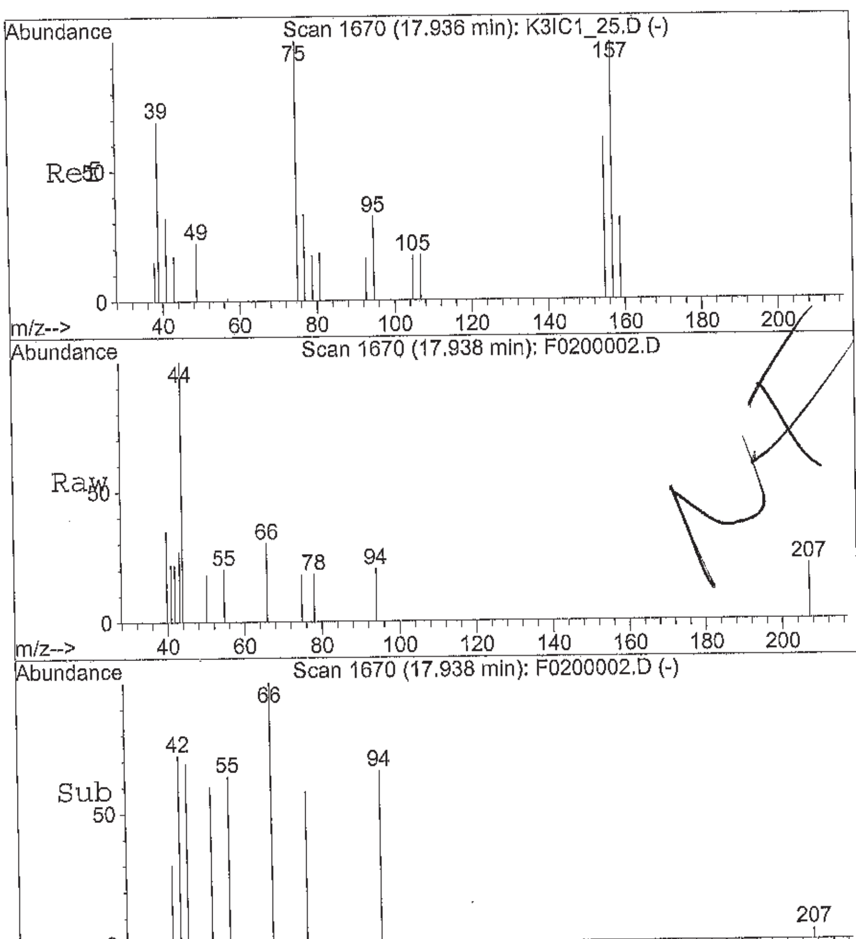


#73
1,2-Dichlorobenzene
Concen: 0.03 ug/L
RT: 16.78 min Scan# 1533
Delta R.T. -0.21 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:146 Resp: 257

Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.7	52.1#
148	0.0	51.7	77.5#

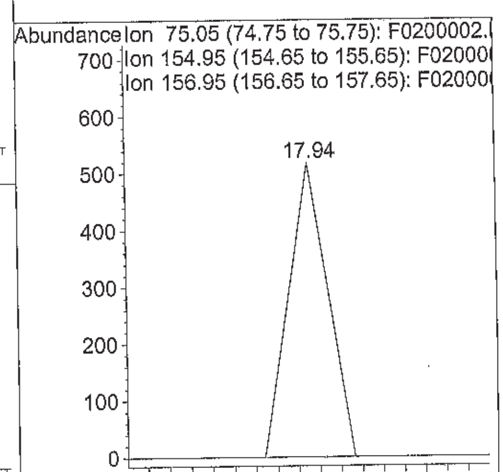


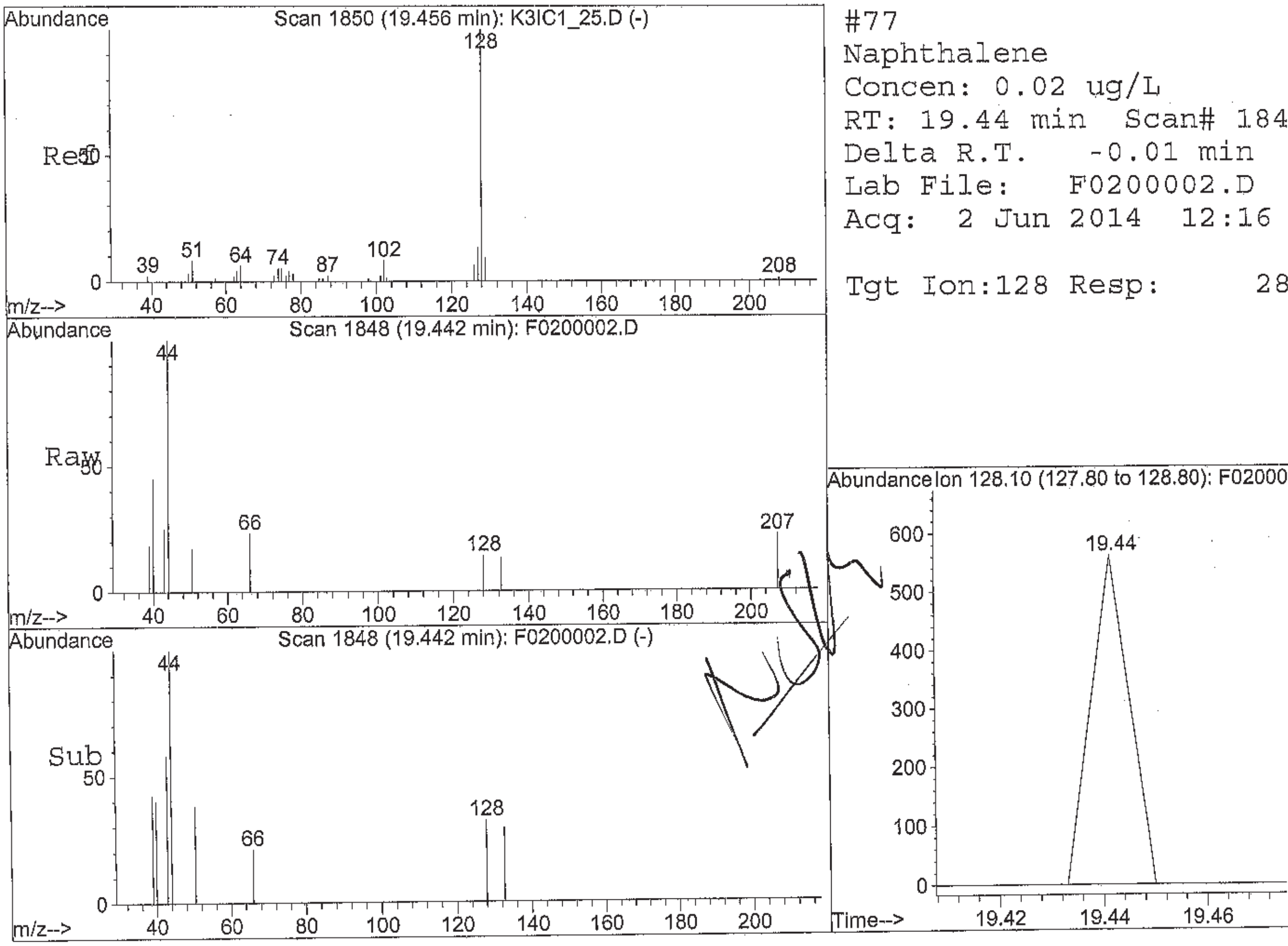


#74
1,2-Dibromo-3-chloropropane
Concen: 1.25 ug/L
RT: 17.94 min Scan# 1670
Delta R.T. 0.00 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion: 75 Resp: 262

Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#





#77
Naphthalene
Concen: 0.02 ug/L
RT: 19.44 min Scan# 1848
Delta R.T. -0.01 min
Lab File: F0200002.D
Acq: 2 Jun 2014 12:16 pm

Tgt Ion:128 Resp: 285

```
Data File : C:\HPCHEM\1\DATA\060214L3\F0200002.D          Vial: 1
Acq On    :  2 Jun 2014  12:16 pm                      Operator: DN
Sample    : 3F40201-02                                 Inst     : GC/MS Ins
Misc      : 100cc  SVL-528-SA8-SV-5.0-6.0              Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun  3  7:29 19114                Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title        : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update  : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
  1) Fluorobenzene (IS)           10.29   96  1361744    12.50 ug/L   -0.03
  7) Chlorobenzene-d5 (IS)        13.92  117  1269802    12.50 ug/L   -0.01
 10) 1,4-Dichlorobenzene-d4 (IS   16.50  152   624007    12.50 ug/L   -0.01

System Monitoring Compounds
  2) Dibromofluoromethane (SU1)    9.42  113   392573m   11.09 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   88.72%
  3) Chloroform-d (SU6)            9.19   84   602544m   11.86 ug/L    0.00
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   94.88%
  4) Methylene Chloride-d2 (SU5    7.07   86   338037    11.38 ug/L   -0.01
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   91.04%
  5) 1,2-Dichloroethane-d4 (SU2    9.89   65   357991m   14.79 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125    Recovery   =  118.32%
  6) Benzene-d6 (SU7)              9.92   84  1223508    11.45 ug/L   -0.03
  Spiked Amount     12.500   Range  70 - 140    Recovery   =   91.60%
  8) Toluene-d8 (SU3)             12.20   98  1339609    11.12 ug/L   -0.02
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   88.96%
  9) 4-Bromofluorobenzene (SU4)   15.22   95   592792m   11.92 ug/L   -0.01
  Spiked Amount     12.500   Range  75 - 125    Recovery   =   95.36%

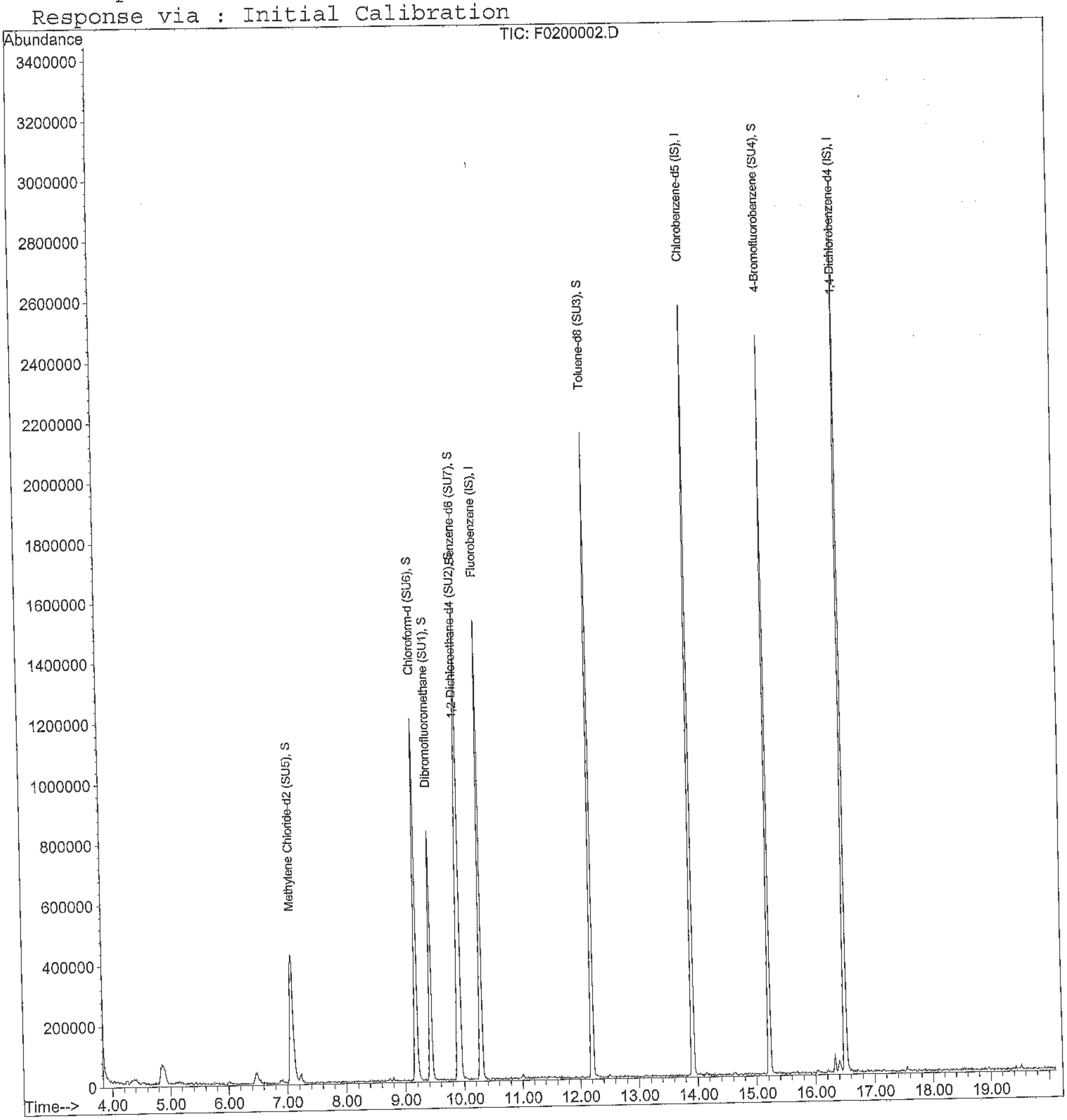
Target Compounds                                                   Qvalue
```

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200002.D Vial: 1
Acq On : 2 Jun 2014 12:16 pm Operator: DN
Sample : 3F40201-02 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 3 7:29 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200004.D Vial: 3
Acq On : 2 Jun 2014 1:21 pm Operator: DN
Sample : 3F40201-03 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 13:44 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AR

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1277102	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1204182	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	617289	12.50	ug/L	0.00

System Monitoring Compounds

2) Dibromofluoromethane (SU1)	9.43	113	443521m	13.92	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.36%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	444869m	14.69	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	117.52%		
39) Toluene-d8 (SU3)	12.21	98	1249266	11.12	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	88.96%		
58) 4-Bromofluorobenzene (SU4)	15.21	95	658626m	13.37	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	106.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) (F12) Dichlorodifluorometh	4.12	85	890	0.28	~~ug/L~~ # NSM	44
4) Chloromethane	4.43	50	1438	-0.55	~~ug/L~~	94
5) Vinyl Chloride	4.45	62	314	0.14	~~ug/L~~ #	1
6) Bromomethane	5.11	96	4359	1.33	~~ug/L~~	81
7) Chloroethane	5.16	64	1770	2.35	~~ug/L~~	90
10) 1,1-Dichloroethene	6.49	96	379	0.13	~~ug/L~~ #	1
11) Acetone	6.46	58	5730	6.76	~~ug/L~~ #	1
12) (IPA) Leak Check Compound	6.49	45	104307	679.69	~~ug/L~~ NSM	82
13) Carbon disulfide	6.84	76	14548	1.37	~~ug/L~~ #	81
14) Methylene Chloride	7.08	84	4061	1.16	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.95	59	302	1.39	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.39	73	270	0.04	~~ug/L~~ #	1
18) 1,1-Dichloroethane	8.10	63	271	0.05	~~ug/L~~ #	1
20) 2,2-Dichloropropane	8.81	77	395	0.08	~~ug/L~~ #	36
21) (MEK) 2-Butanone	8.80	72	330	0.92	~~ug/L~~ # NSM	1
22) (DIPE) Diisopropyl Ether	8.06	45	258	0.03	~~ug/L~~ #	48
24) Chloroform	9.23	83	2471	0.37	~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.44	59	356	0.04	~~ug/L~~ #	44
26) 1,1,1-Trichloroethane	9.35	97	293	0.06	~~ug/L~~ # NSM	23
29) 1,1-Dichloropropene	9.71	75	272	0.06	~~ug/L~~ #	6
31) Benzene	9.99	78	633	0.05	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.93	62	12568	2.96	~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200004.D Vial: 3
Acq On : 2 Jun 2014 1:21 pm Operator: DN
Sample : 3F40201-03 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 13:44 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

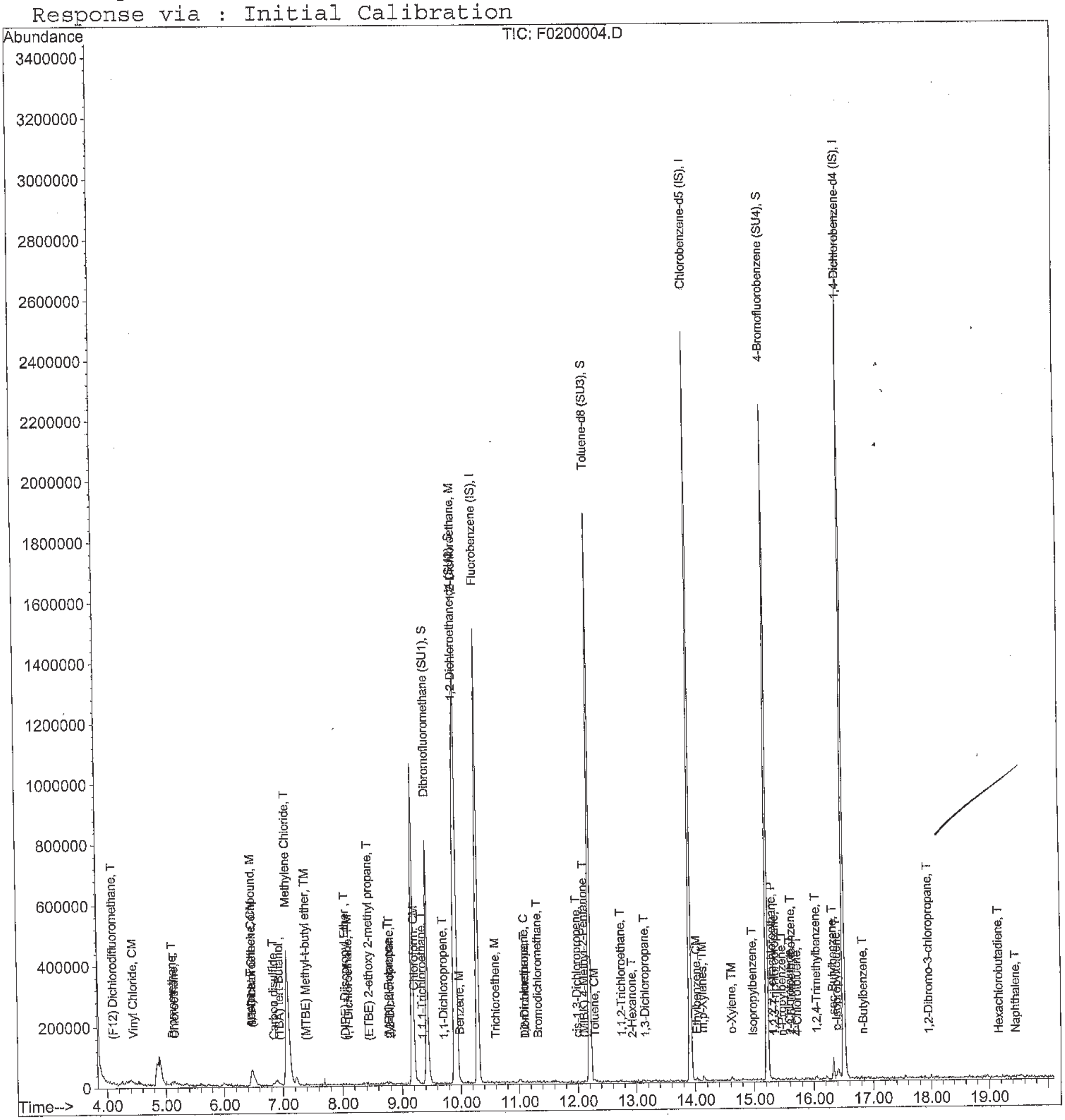
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33)	Trichloroethene	10.59	130	259	0.07	~~ug/L #~~	4
34)	1,2-Dichloropropane	11.09	63	398	0.14	~~ug/L #~~	52
35)	Dibromomethane	11.09	93	358	0.16	~~ug/L #~~	5
36)	Bromodichloromethane	11.34	83	254	0.06	~~ug/L #~~	21
37)	cis-1,3-Dichloropropene	12.00	75	264	0.05	~~ug/L #~~	1
40)	(MIBK) 4-Methyl-2-Pentanon	12.11	43	1090	0.45	~~ug/L #~~	100
41)	Toluene	12.30	91	6415	0.39	~~ug/L #~~	62
43)	1,1,2-Trichloroethane	12.75	83	368	0.12	~~ug/L #~~	10
45)	1,3-Dichloropropane	13.16	76	275	0.05	~~ug/L #~~	41
46)	2-Hexanone	12.93	43	313	0.12	~~ug/L~~ #	37
51)	Ethylbenzene	14.03	91	2741	0.15	~~ug/L~~ #	45
52)	m,p-Xylenes	14.14	106	3584	0.54	ug/L 0.0148	79
53)	o-Xylene	14.63	106	259	0.04	ug/L # 0.0008	1
54)	Styrene	14.61	104	1223	-0.75	~~ug/L #~~	1
56)	Isopropylbenzene	14.98	105	303	0.02	~~ug/L #~~	1
57)	1,2,3-Trichloropropane	15.36	75	821	0.17	~~ug/L #~~	37
60)	1,1,2,2-Tetrachloroethane	15.31	83	323	0.07	~~ug/L #~~	18
62)	n-Propylbenzene	15.46	91	958	0.04	~~ug/L #~~	56
63)	2-Chlorotoluene	15.60	91	281	0.02	~~ug/L #~~	45
64)	1,3,5-Trimethylbenzene	15.63	105	1099	0.07	~~ug/L #~~	68
65)	4-Chlorotoluene	15.73	91	287	0.02	~~ug/L #~~	44
67)	1,2,4-Trimethylbenzene	16.05	105	1977	0.12	~~ug/L #~~	67
68)	sec-Butylbenzene	16.34	105	1008	0.05	~~ug/L #~~	62
69)	p-Isopropyltoluene	16.38	119	465	0.03	~~ug/L #~~	52
72)	n-Butylbenzene	16.83	91	281	0.02	~~ug/L #~~	30
74)	1,2-Dibromo-3-chloropropan	17.95	75	270	1.26	~~ug/L #~~	6
76)	Hexachlorobutadiene	19.15	225	254	0.24	~~ug/L #~~	18
77)	Naphthalene	19.45	128	269	0.02	ug/L	100

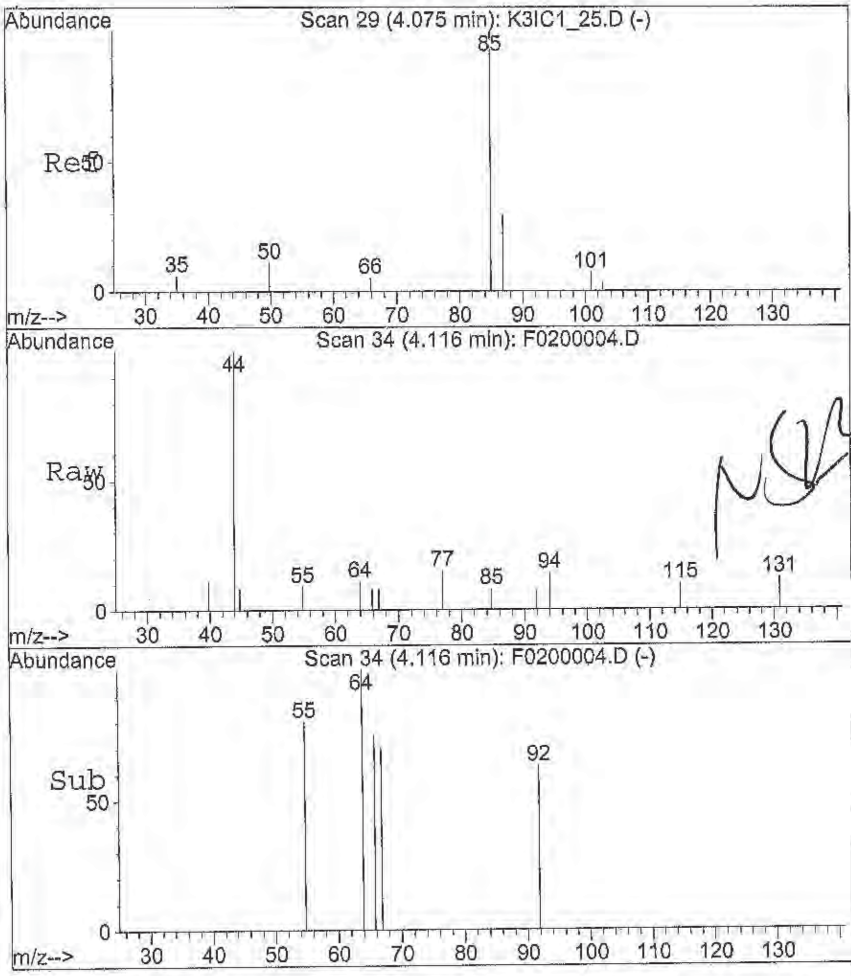
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200004.D Vial: 3
Acq On : 2 Jun 2014 1:21 pm Operator: DN
Sample : 3F40201-03 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 13:44 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

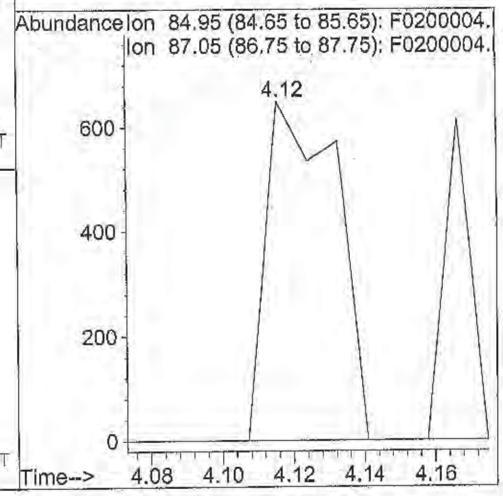


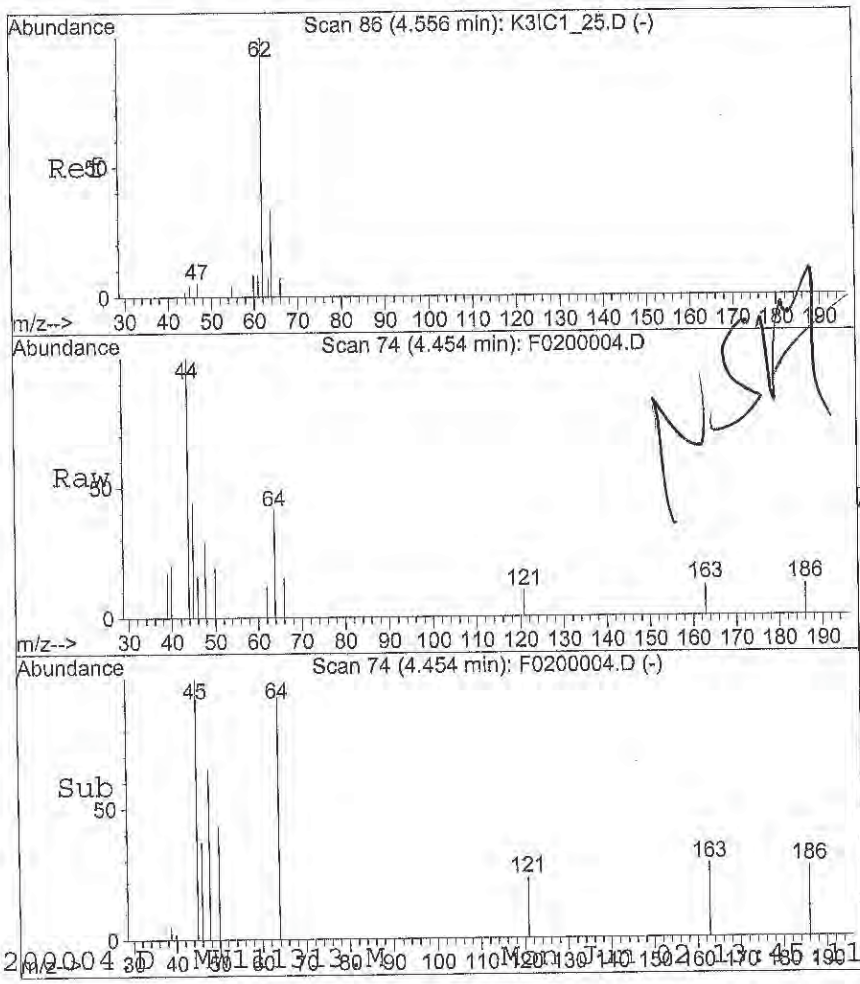


#3
(F12) Dichlorodifluoromethane
Concen: 0.28 ug/L
RT: 4.12 min Scan# 34
Delta R.T. 0.04 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 85 Resp: 890

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

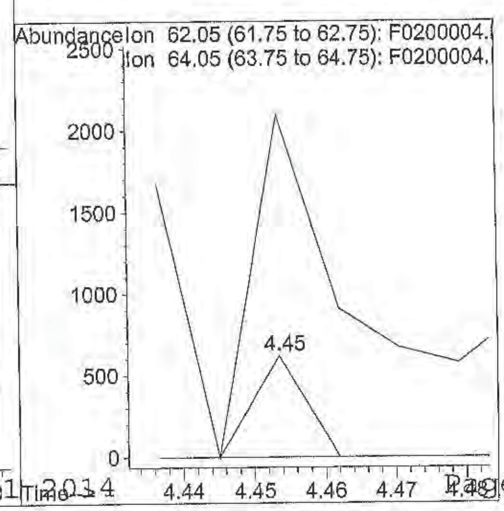


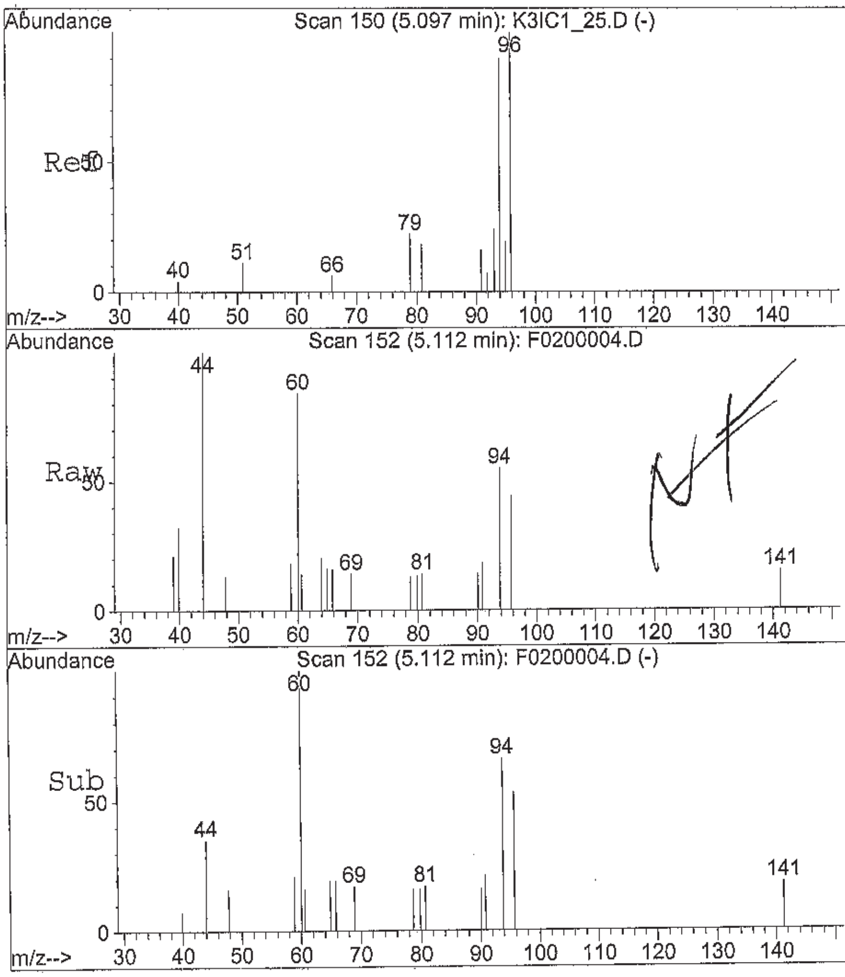


#5
Vinyl Chloride
Concen: 0.14 ug/L
RT: 4.45 min Scan# 74
Delta R.T. -0.10 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 62 Resp: 314

Ion	Ratio	Lower	Upper
62	100		
64	1093.3	25.6	38.4#

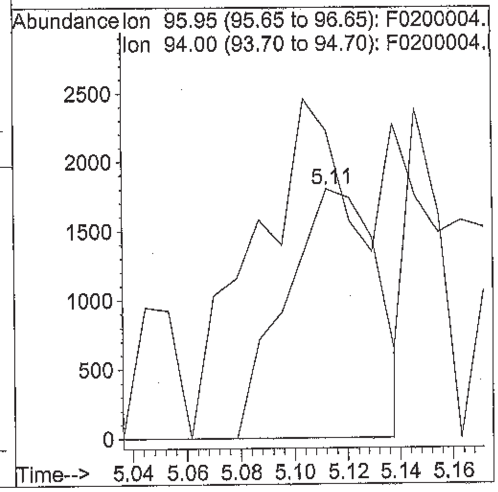


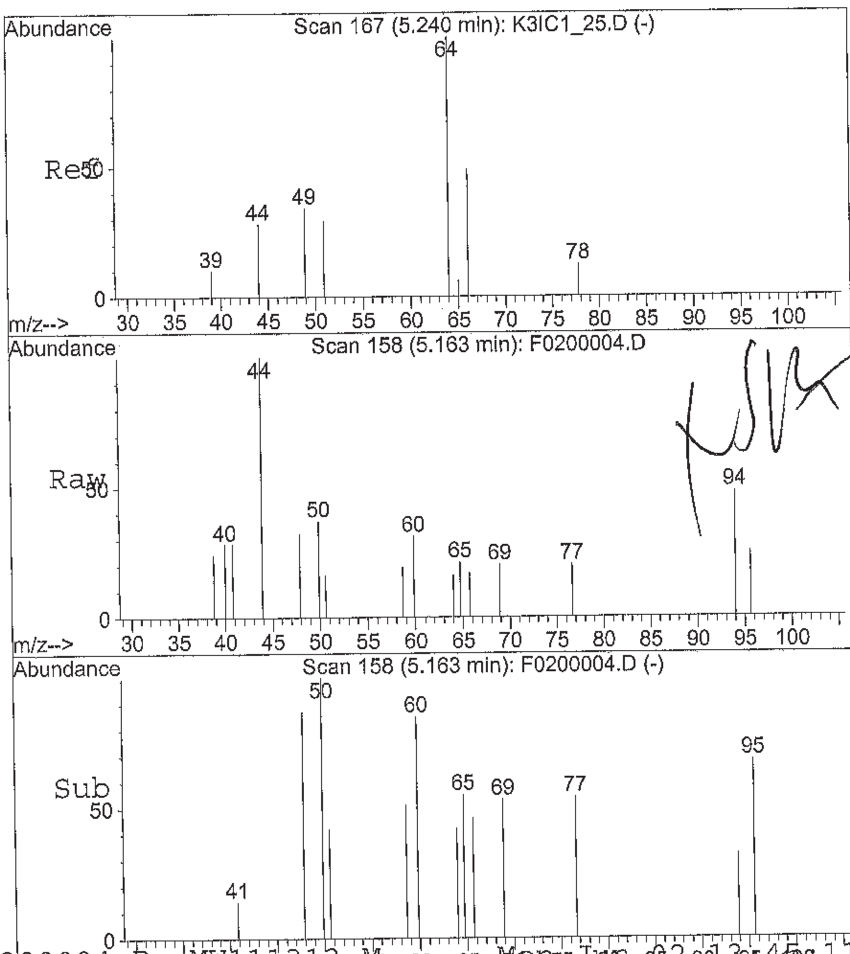


#6
Bromomethane
Concen: 1.33 ug/L
RT: 5.11 min   Scan# 152
Delta R.T.   0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion: 96 Resp: 4359

Ion	Ratio	Lower	Upper
96	100		
94	148.2	101.0	151.4

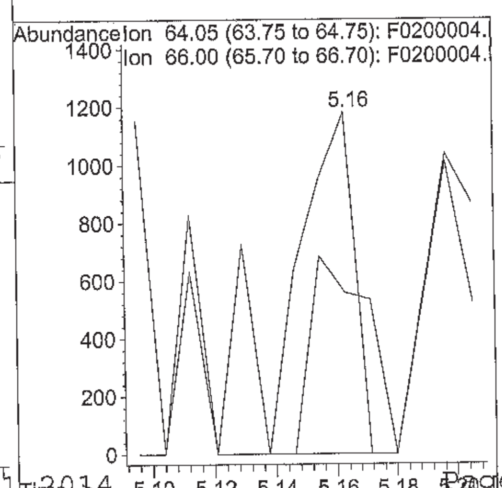


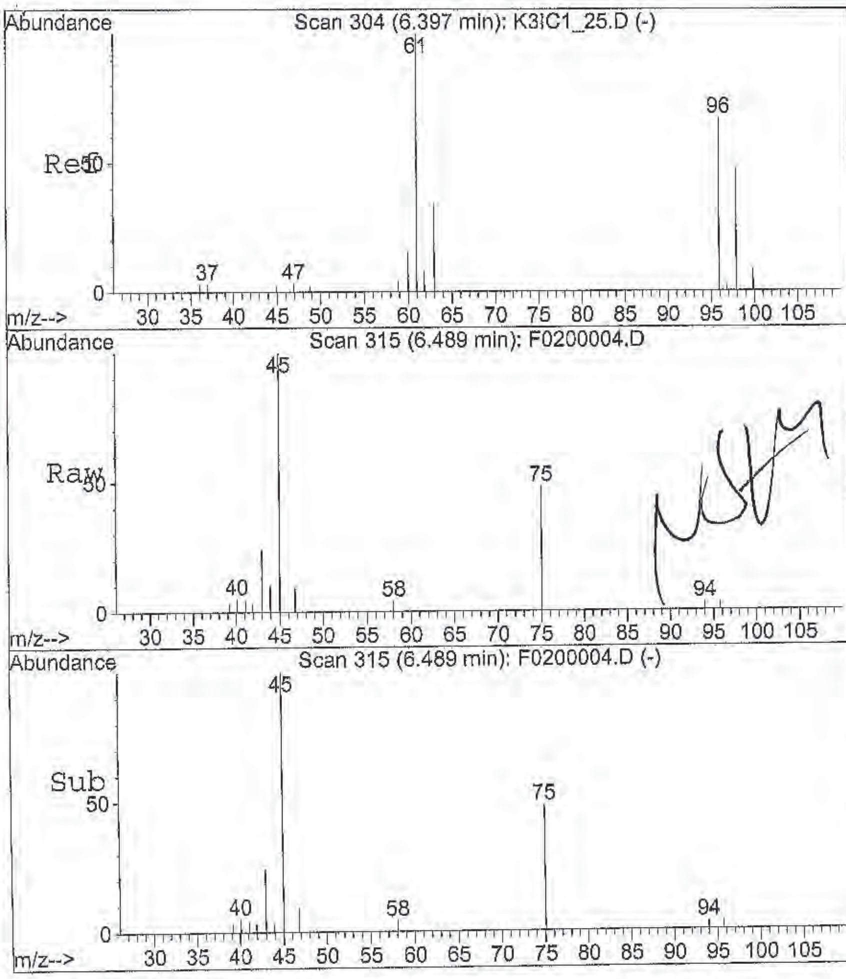


#7
Chloroethane
Concen: 2.35 ug/L
RT: 5.16 min   Scan# 158
Delta R.T.   -0.08 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion: 64 Resp: 1770

Ion	Ratio	Lower	Upper
64	100		
66	50.8	35.4	53.0

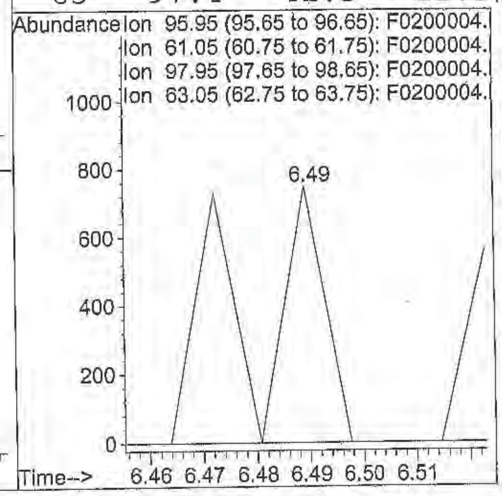


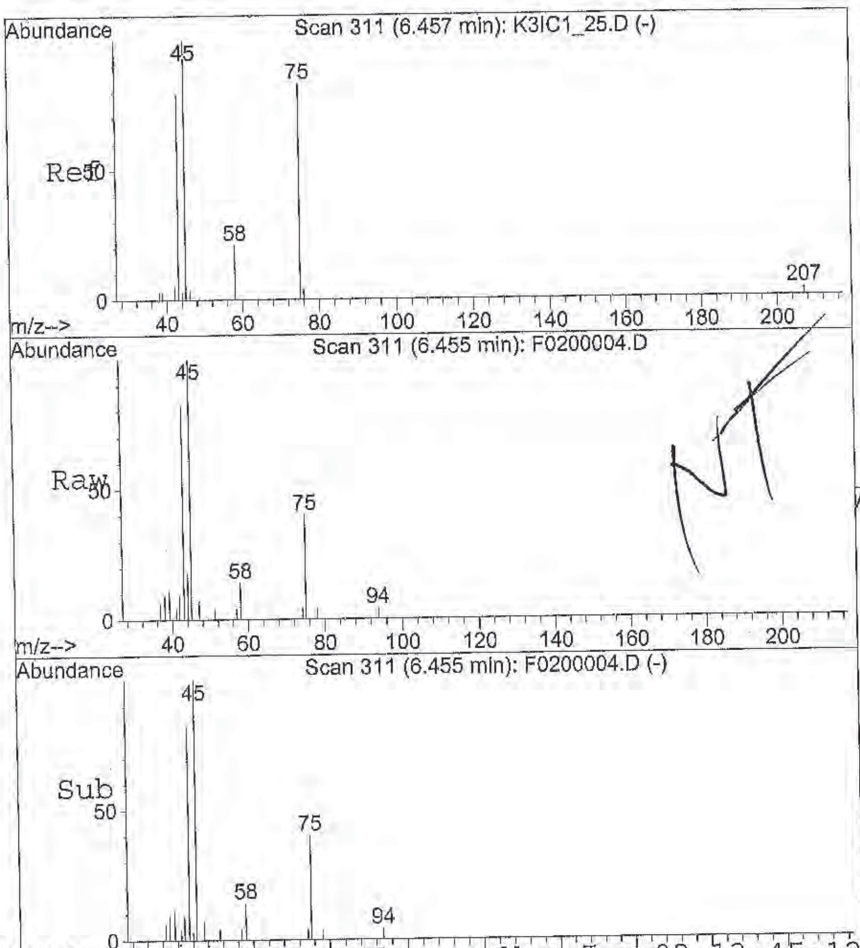


#10
1,1-Dichloroethene
Concen: 0.13 ug/L
RT: 6.49 min Scan# 315
Delta R.T. 0.09 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 96 Resp: 379

Ion	Ratio	Lower	Upper
96	100		
61	0.0	130.0	195.0#
98	0.0	56.2	84.4#
63	97.4	41.5	62.3#

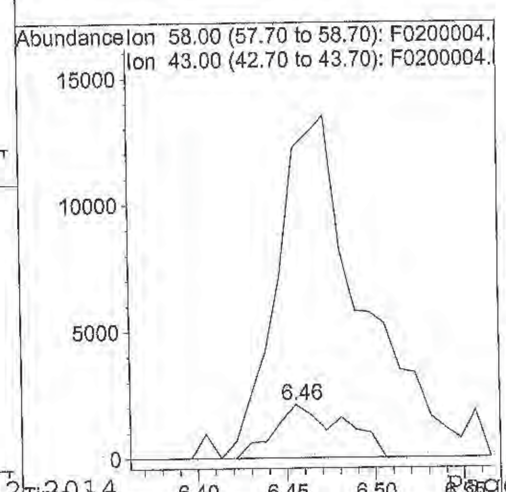


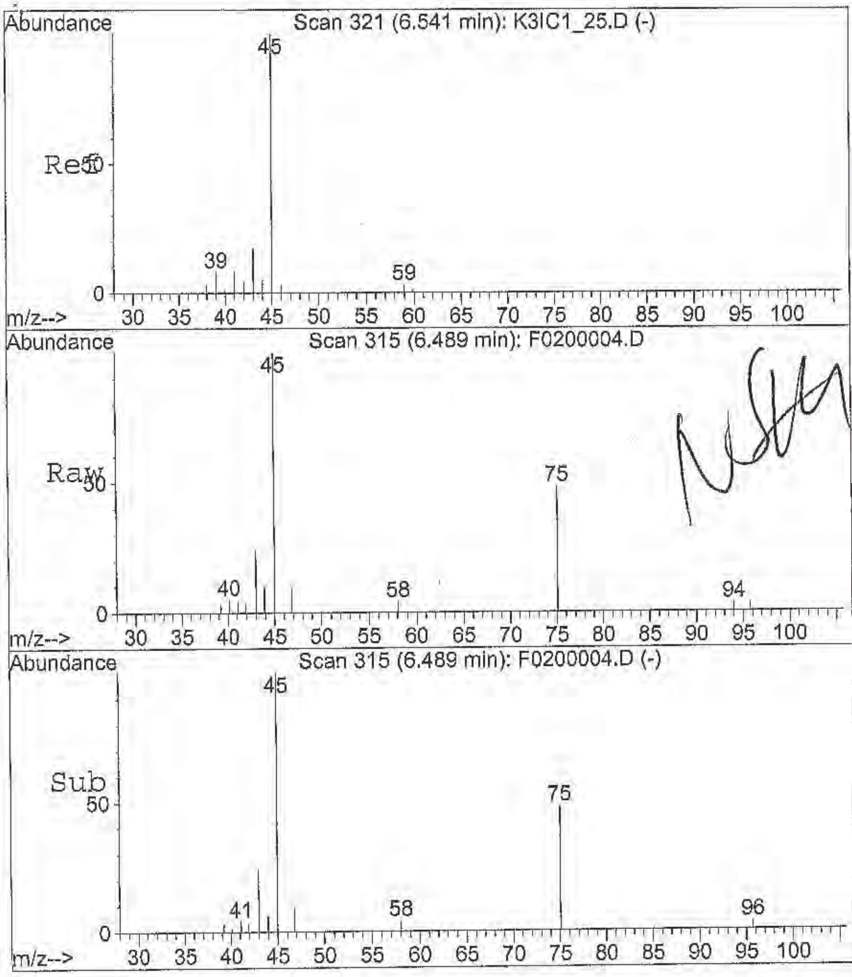


#11
Acetone
Concen: 6.76 ug/L
RT: 6.46 min Scan# 311
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 58 Resp: 5730

Ion	Ratio	Lower	Upper
58	100		
43	815.3	360.9	541.3#

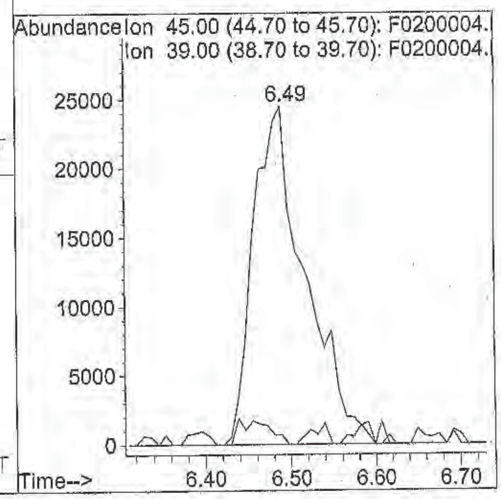


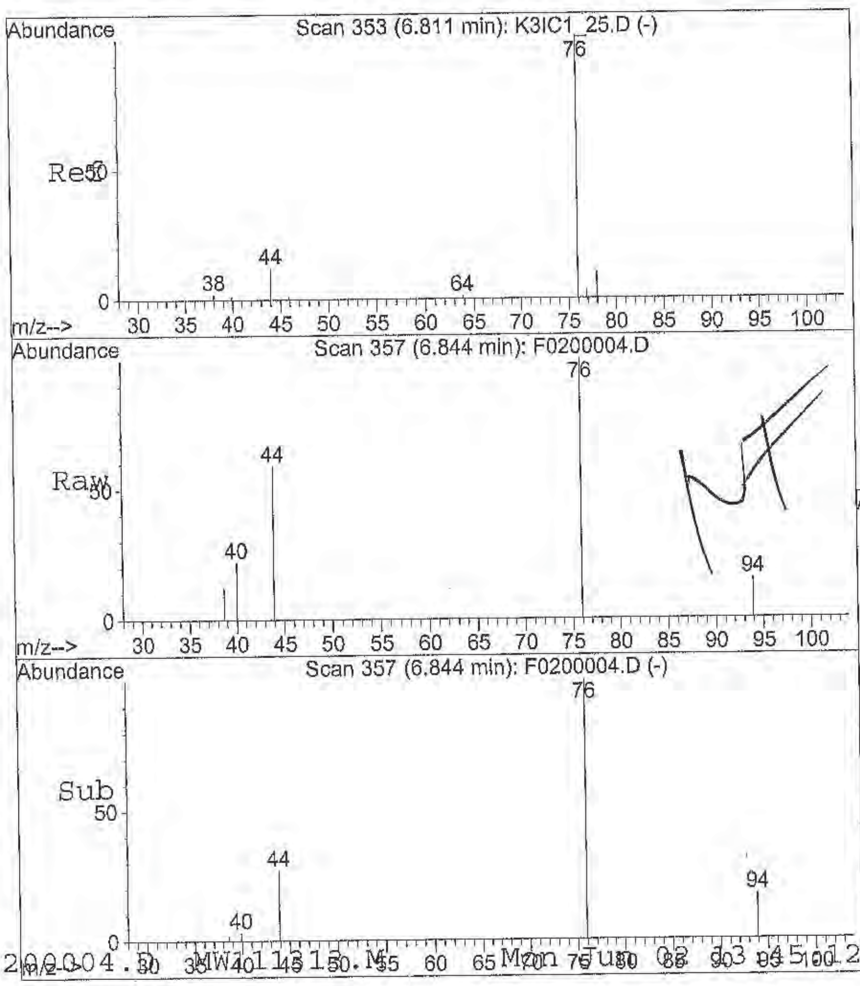


#12
(IPA) Leak Check Compound
Concen: 679.69 ug/L
RT: 6.49 min Scan# 315
Delta R.T. -0.05 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 45 Resp: 104307

Ion	Ratio	Lower	Upper
45	100		
39	0.0	4.9	7.3#

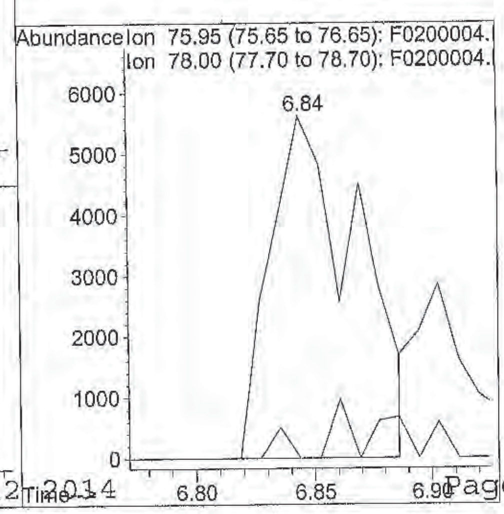


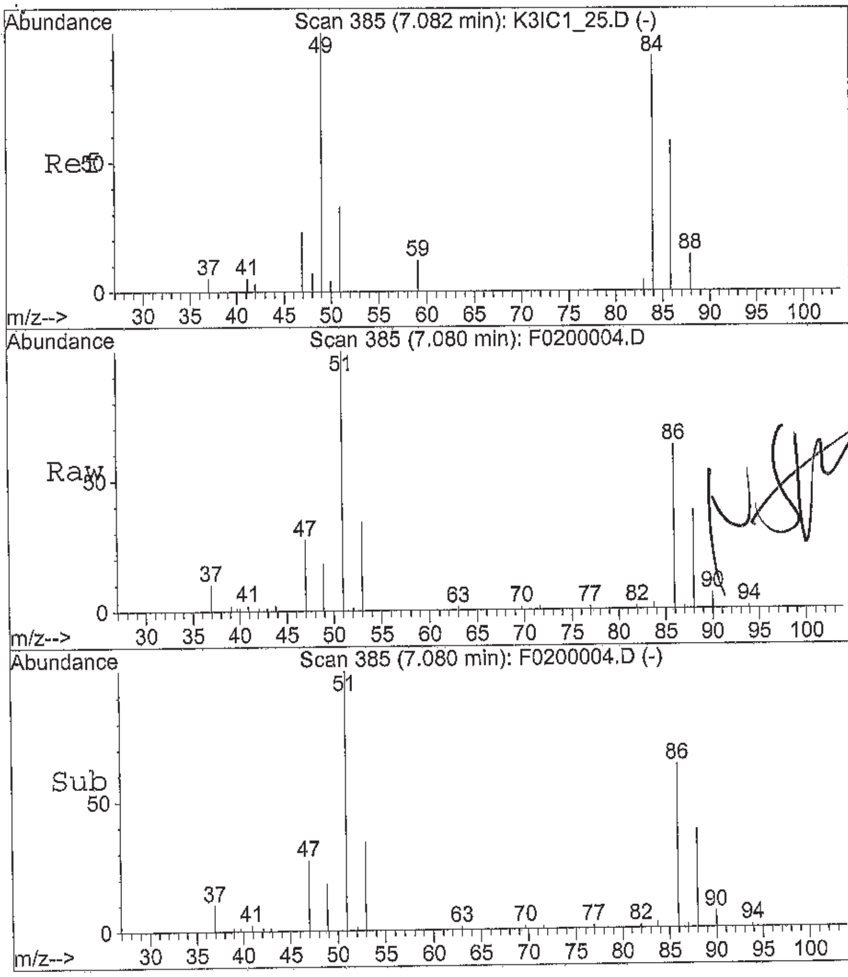


#13
Carbon disulfide
Concen: 1.37 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 76 Resp: 14548

Ion	Ratio	Lower	Upper
76	100		
78	1.8	7.0	10.4#

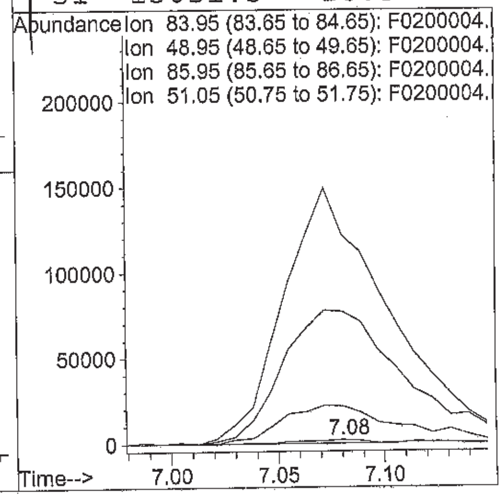


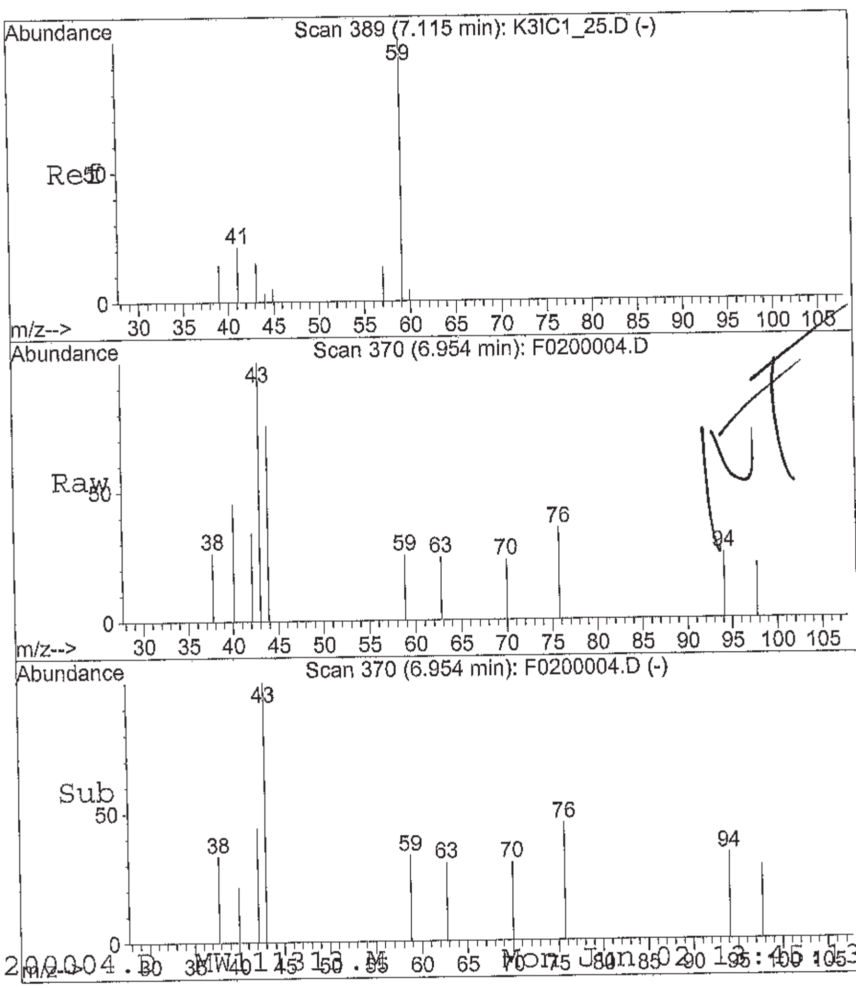


#14
Methylene Chloride
Concen: 1.16 ug/L
RT: 7.08 min   Scan# 385
Delta R.T.   -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion: 84 Resp: 4061

Ion	Ratio	Lower	Upper
84	100		
49	2145.2	89.8	134.6#
86	7700.5	51.1	76.7#
51	13051.5	28.5	42.7#

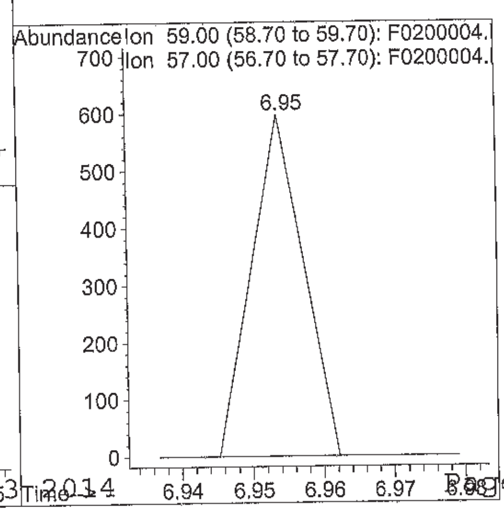


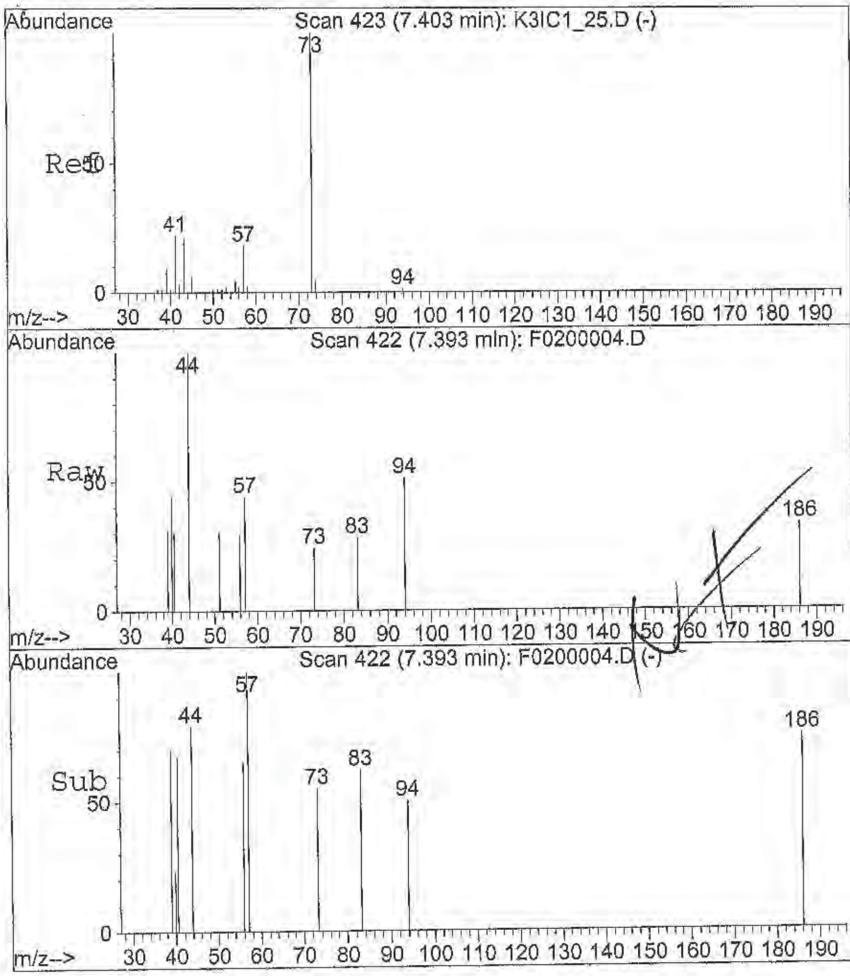


#15
(TBA) tert-Butanol
Concen: 1.39 ug/L
RT: 6.95 min   Scan# 370
Delta R.T.   -0.16 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion: 59 Resp: 302

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

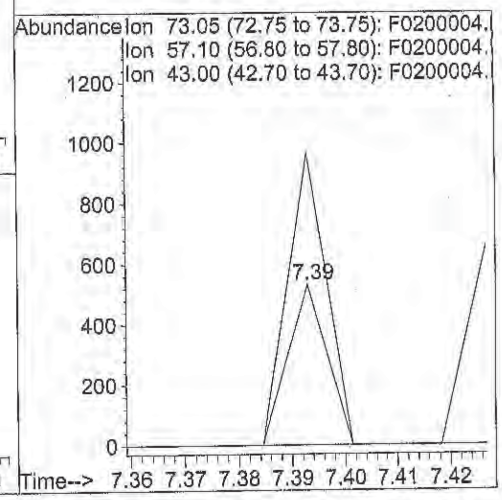


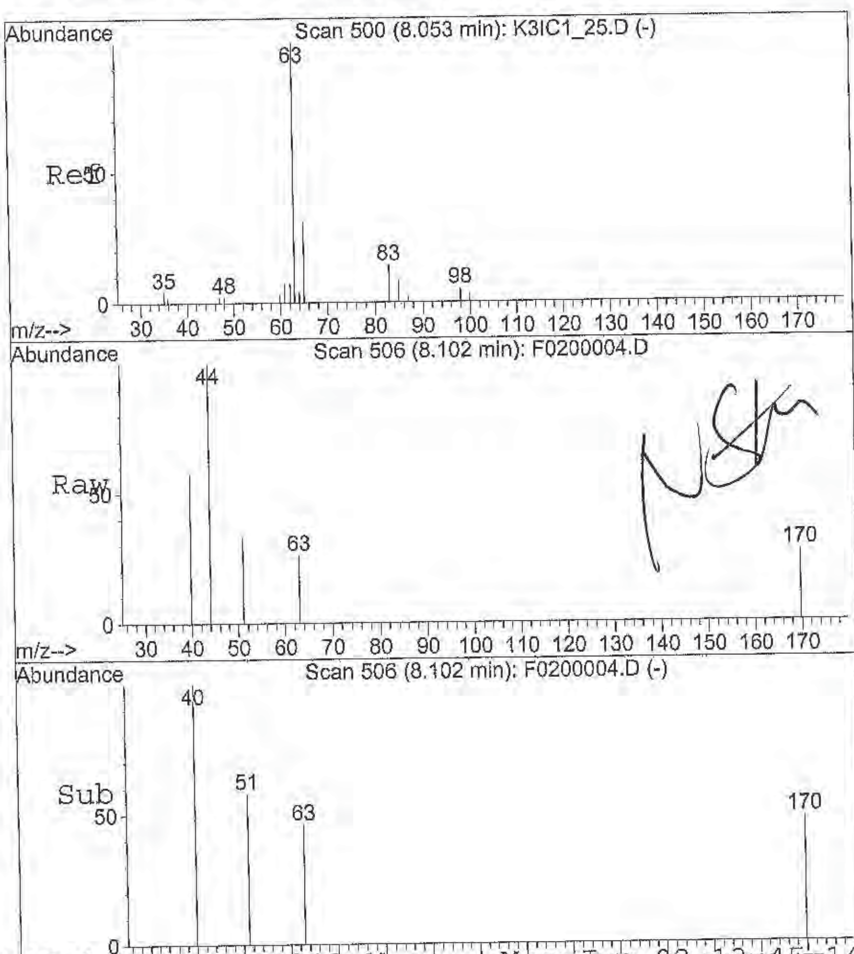


#16
(MTBE) Methyl-t-butyl ether
Concen: 0.04 ug/L
RT: 7.39 min Scan# 422
Delta R.T. -0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 73 Resp: 270

Ion	Ratio	Lower	Upper
73	100		
57	181.1	15.8	23.8#
43	0.0	18.4	27.6#

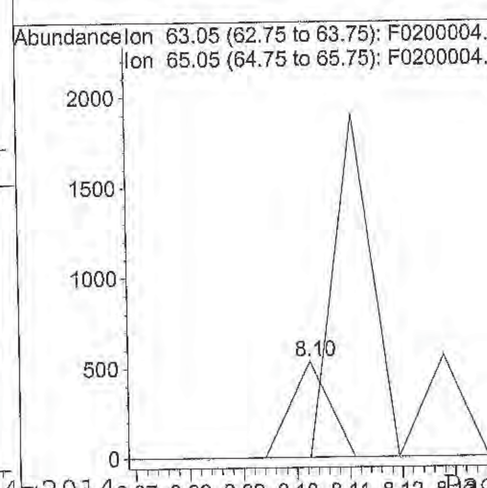




#18
1,1-Dichloroethane
Concen: 0.05 ug/L
RT: 8.10 min Scan# 506
Delta R.T. 0.05 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

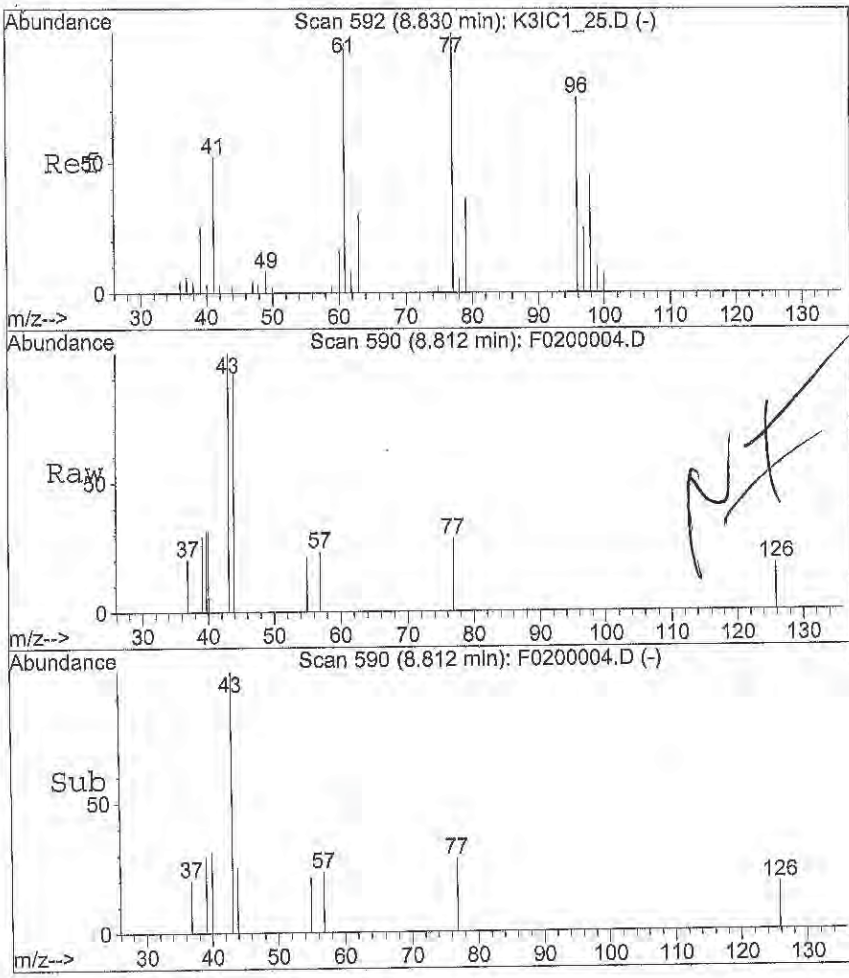
Tgt Ion: 63 Resp: 271

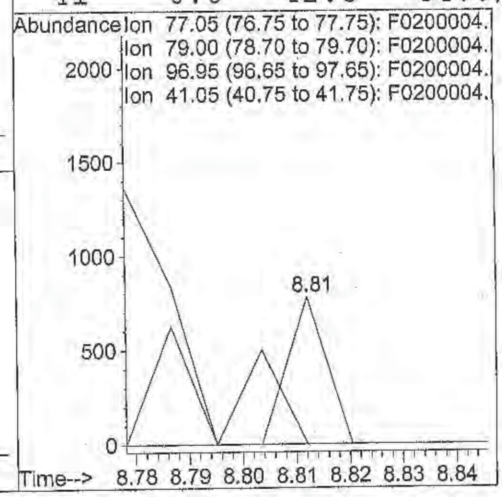
Ion	Ratio	Lower	Upper
63	100		
65	460.5	25.8	38.8#



#20
2,2-Dichloropropane
Concen: 0.08 ug/L
RT: 8.81 min   Scan# 590
Delta R.T.   -0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

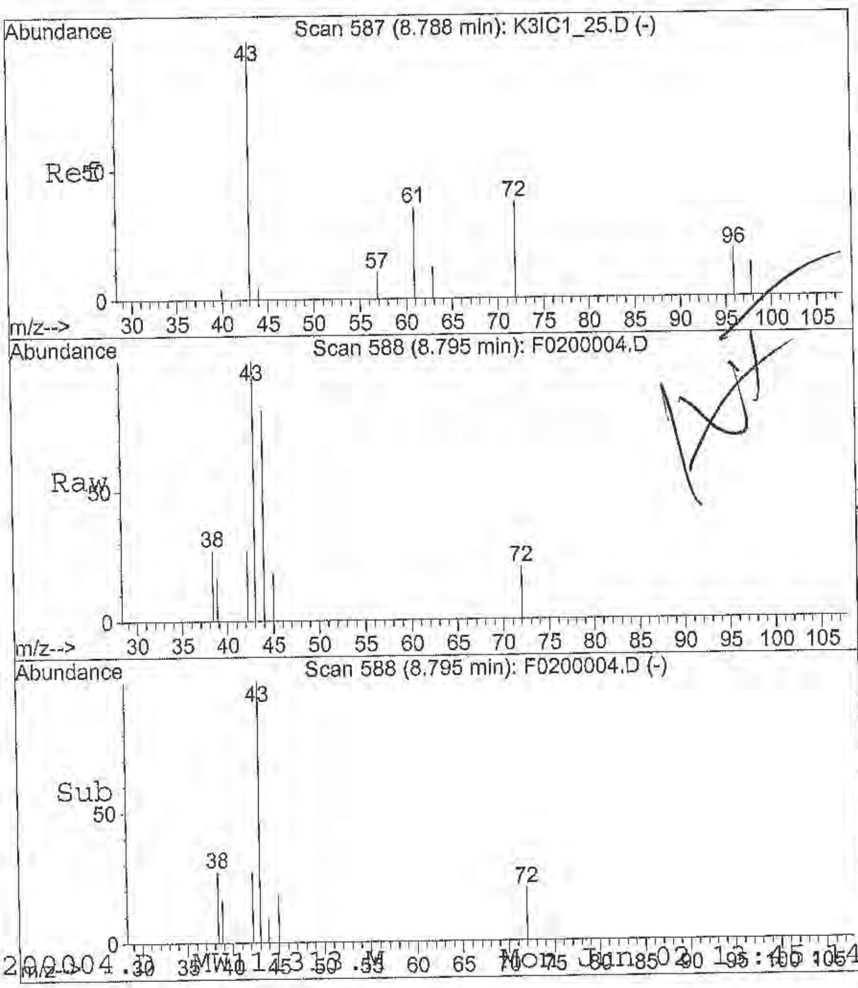
Tgt Ion: 77	Resp:		395
Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

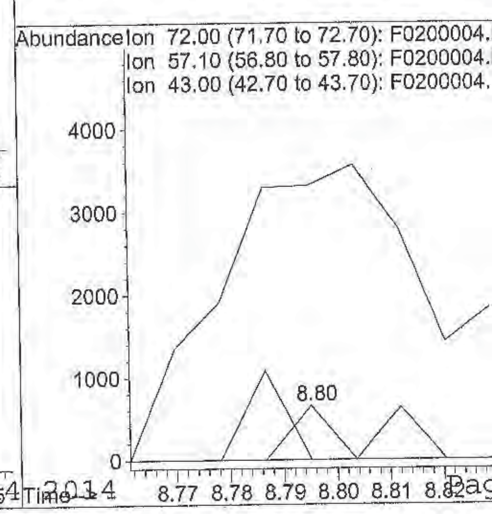


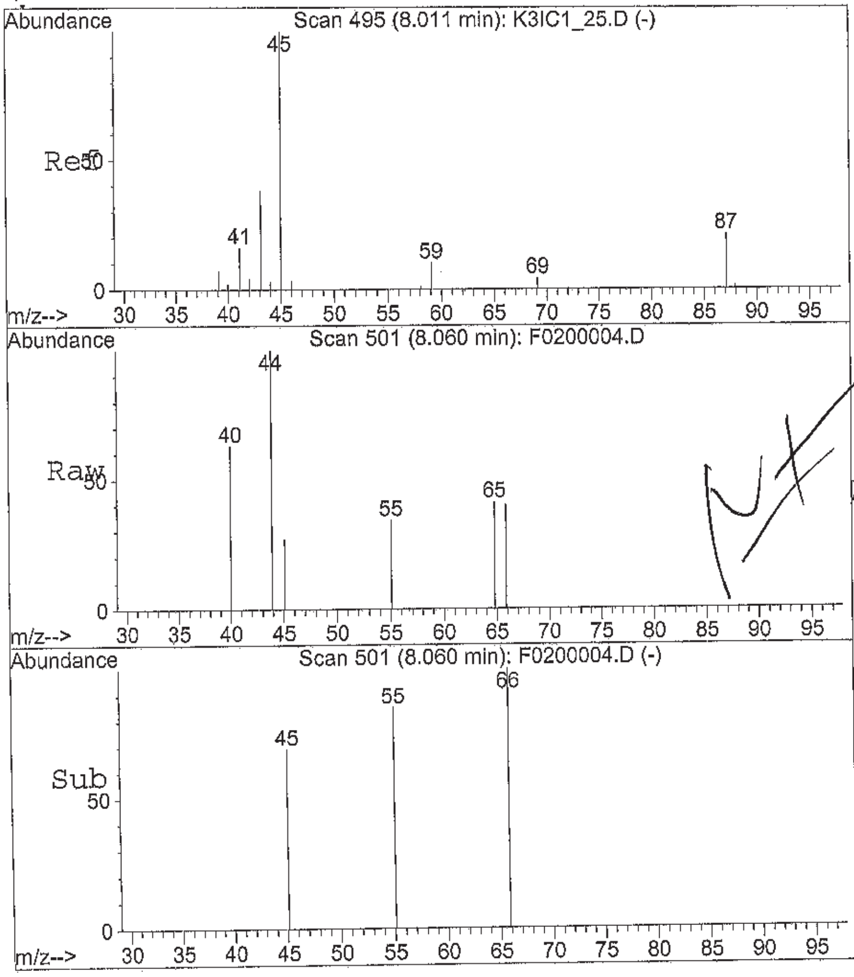


#21
(MEK) 2-Butanone
Concen: 0.92 ug/L
RT: 8.80 min   Scan# 588
Delta R.T.   0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion: 72	Resp:		330
Ion	Ratio	Lower	Upper
72	100		
57	97.3	17.5	26.3#
43	3076.7	314.2	471.2#

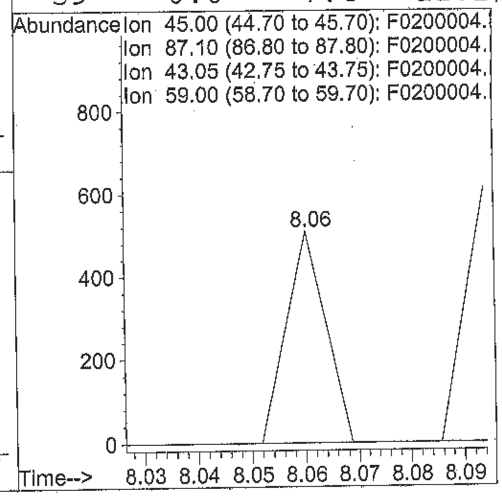


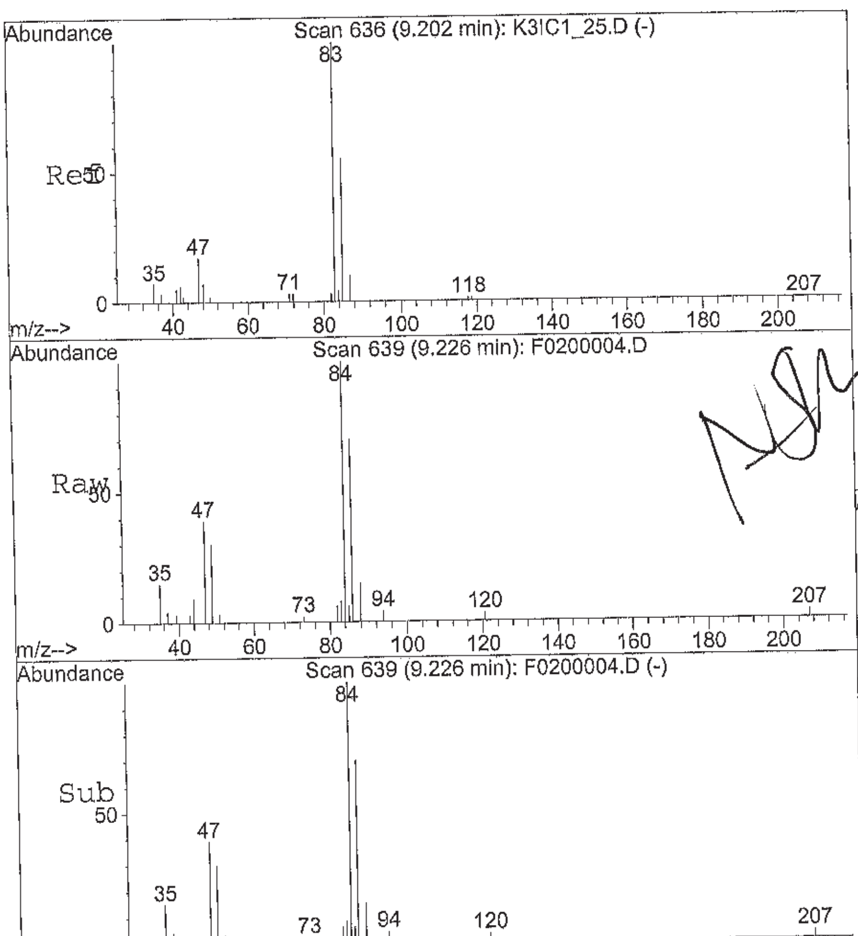




#22
(DIPE) Diisopropyl Ether
Concen: 0.03 ug/L
RT: 8.06 min   Scan# 501
Delta R.T.   0.05 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

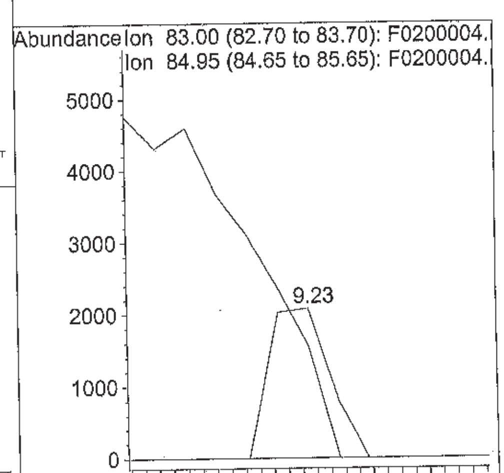
Tgt Ion: 45	Resp:		258
Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

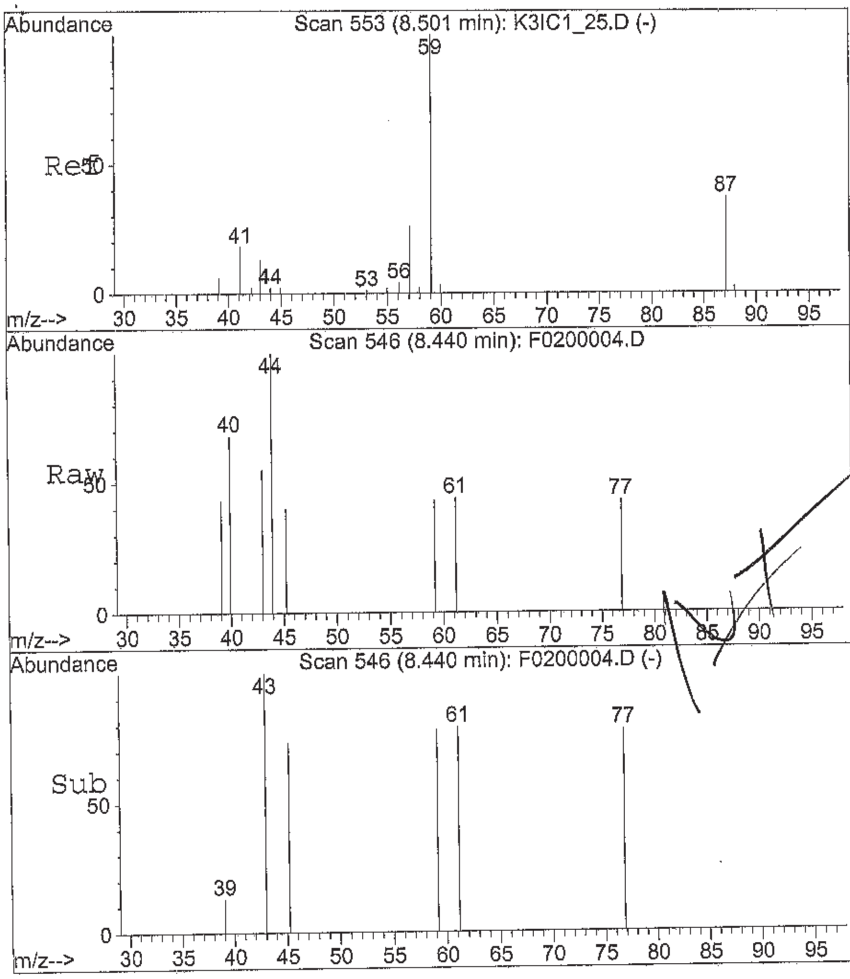




#24
Chloroform
Concen: 0.37 ug/L
RT: 9.23 min   Scan# 639
Delta R.T.   0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion: 83	Resp:		2471
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

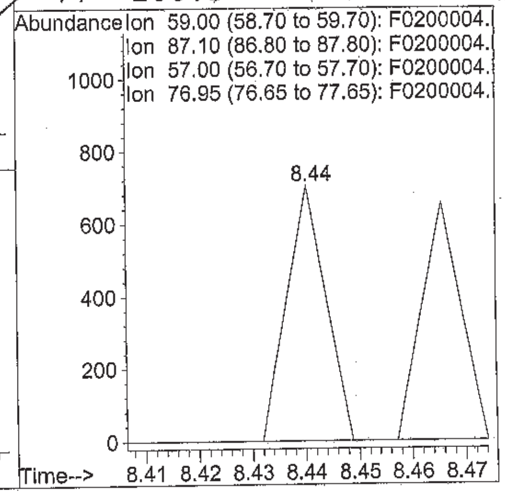


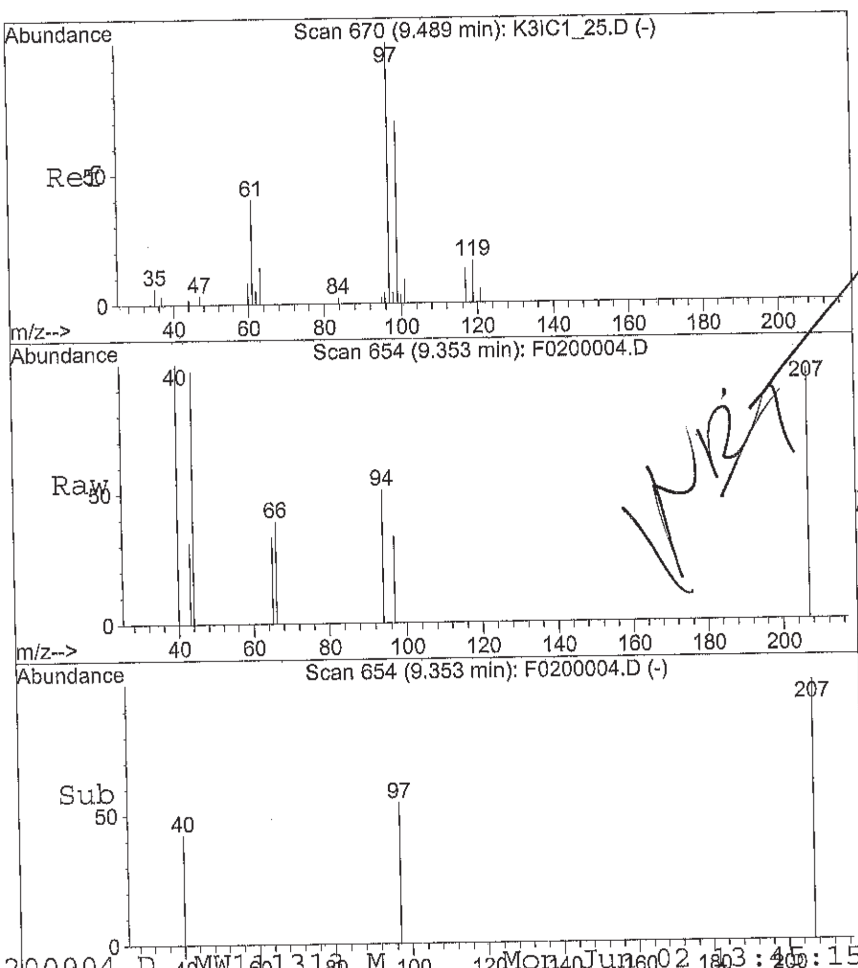


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.04 ug/L
RT: 8.44 min Scan# 546
Delta R.T. -0.06 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 59 Resp: 356

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	100.3	0.0	0.0#

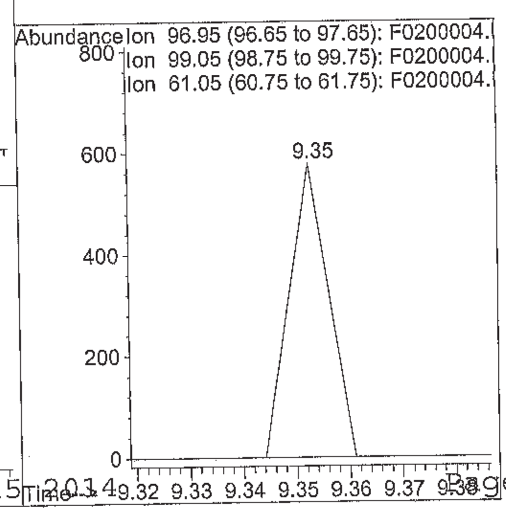


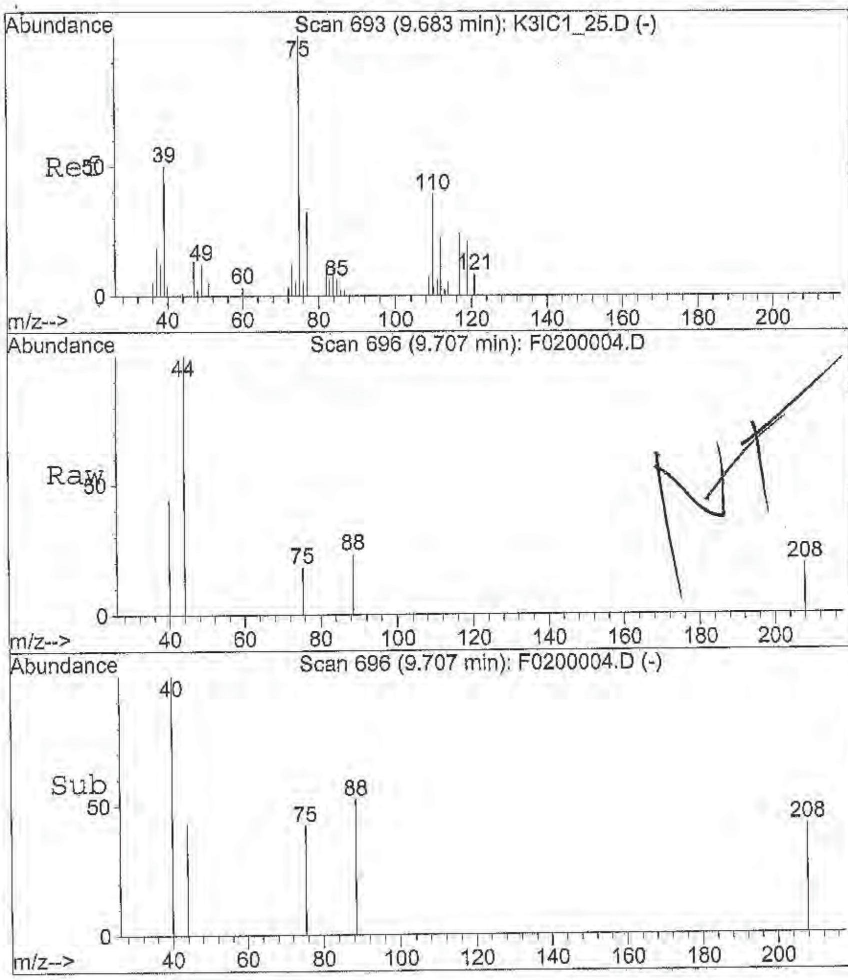


#26
1,1,1-Trichloroethane
Concen: 0.06 ug/L
RT: 9.35 min Scan# 654
Delta R.T. -0.14 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 97 Resp: 293

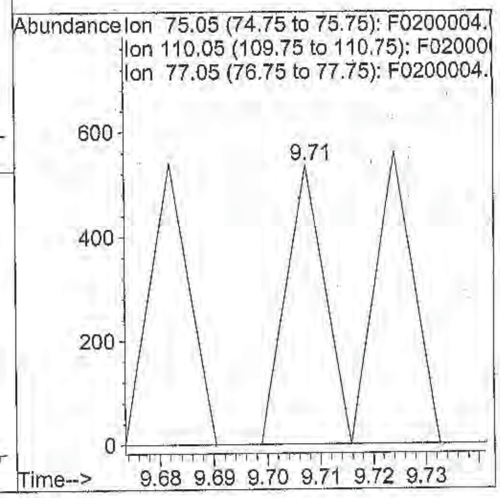
Ion	Ratio	Lower	Upper
97	100		
99	0.0	54.7	82.1#
61	0.0	32.3	48.5#

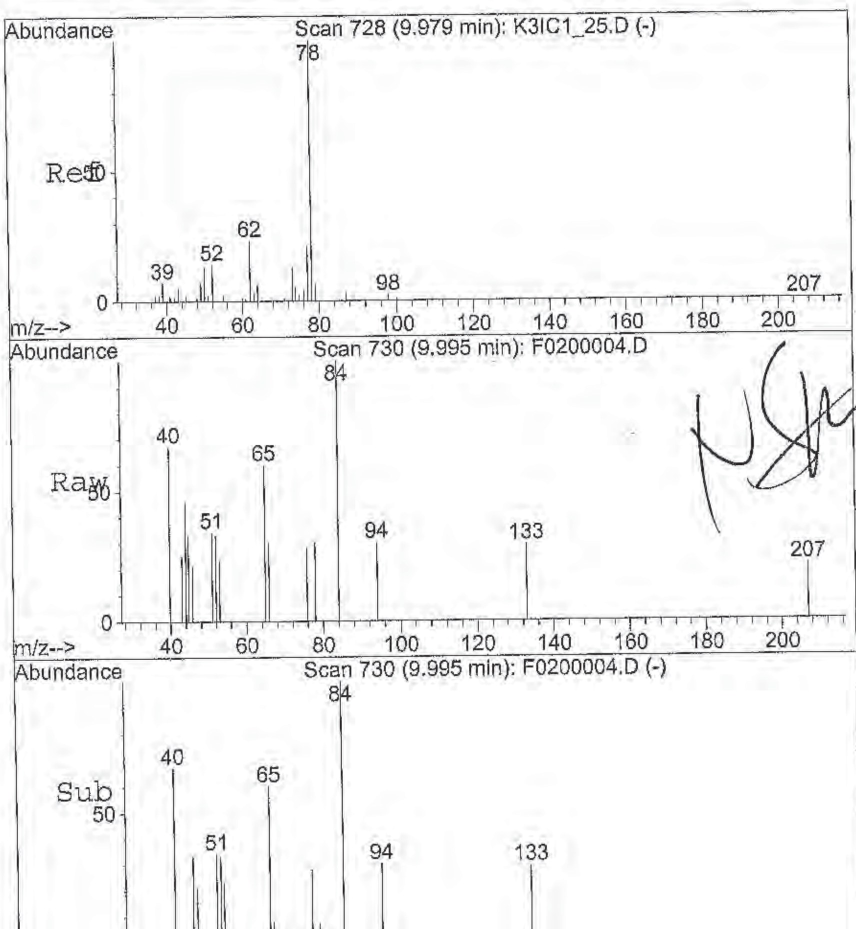




#29
1,1-Dichloropropene
Concen: 0.06 ug/L
RT: 9.71 min Scan# 696
Delta R.T. 0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

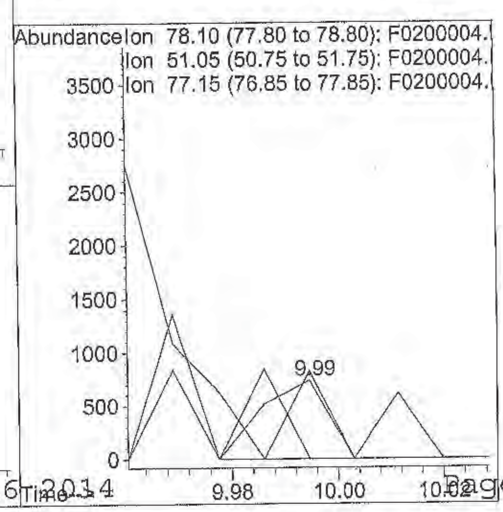
Tgt	Ion: 75	Resp:	272
Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	104.4	25.0	37.4#

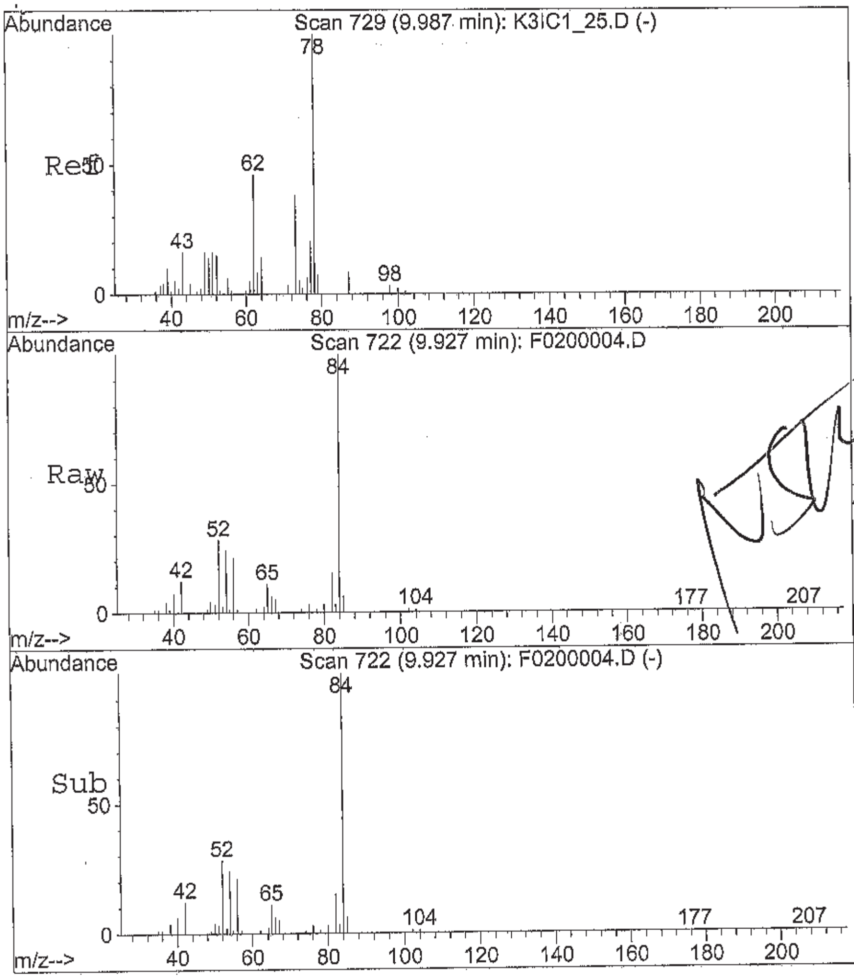




#31
Benzene
Concen: 0.05 ug/L
RT: 9.99 min Scan# 730
Delta R.T. 0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt	Ion: 78	Resp:	633
Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

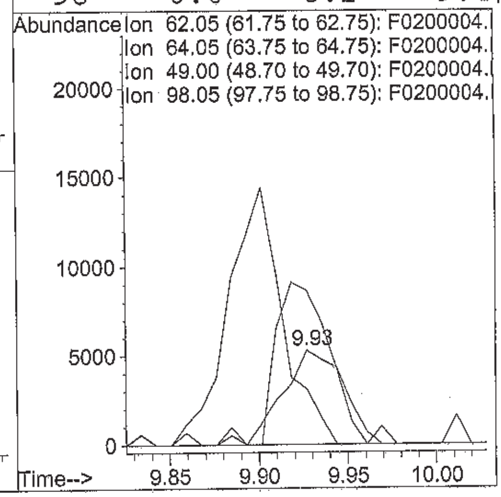


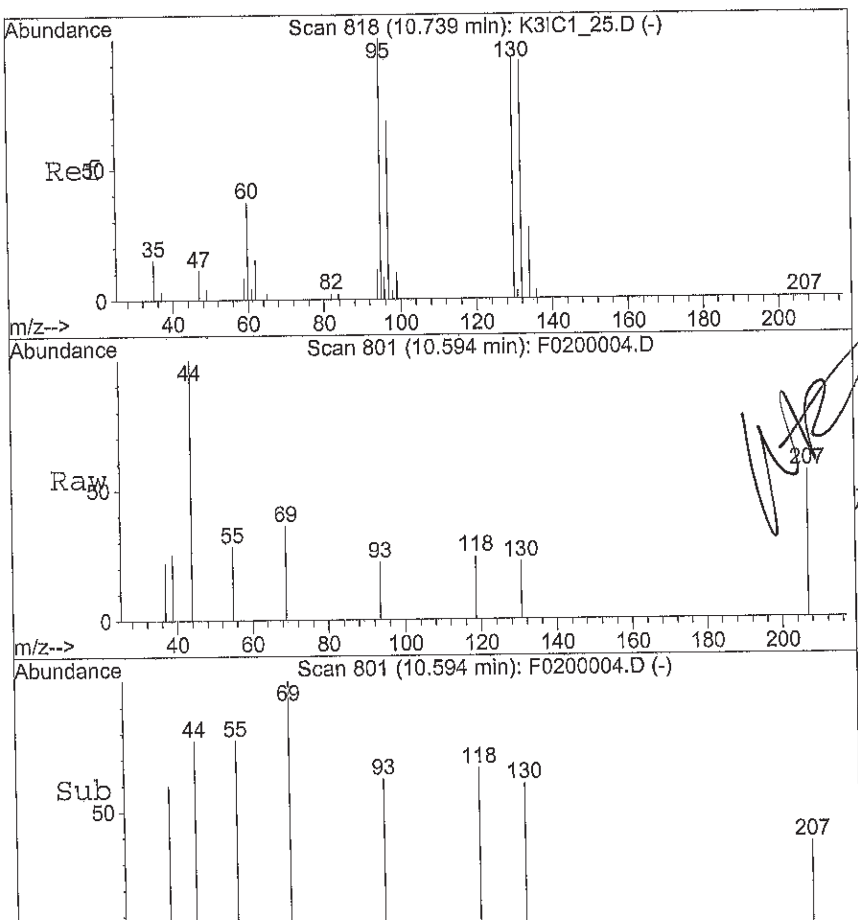


#32
1,2-Dichloroethane
Concen: 2.96 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 62 Resp: 12568

Ion	Ratio	Lower	Upper
62	100		
64	155.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

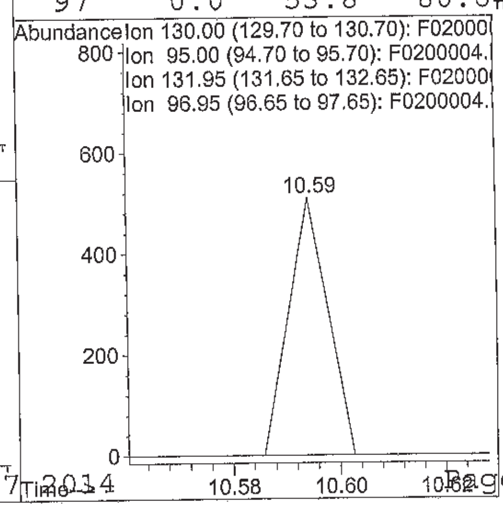


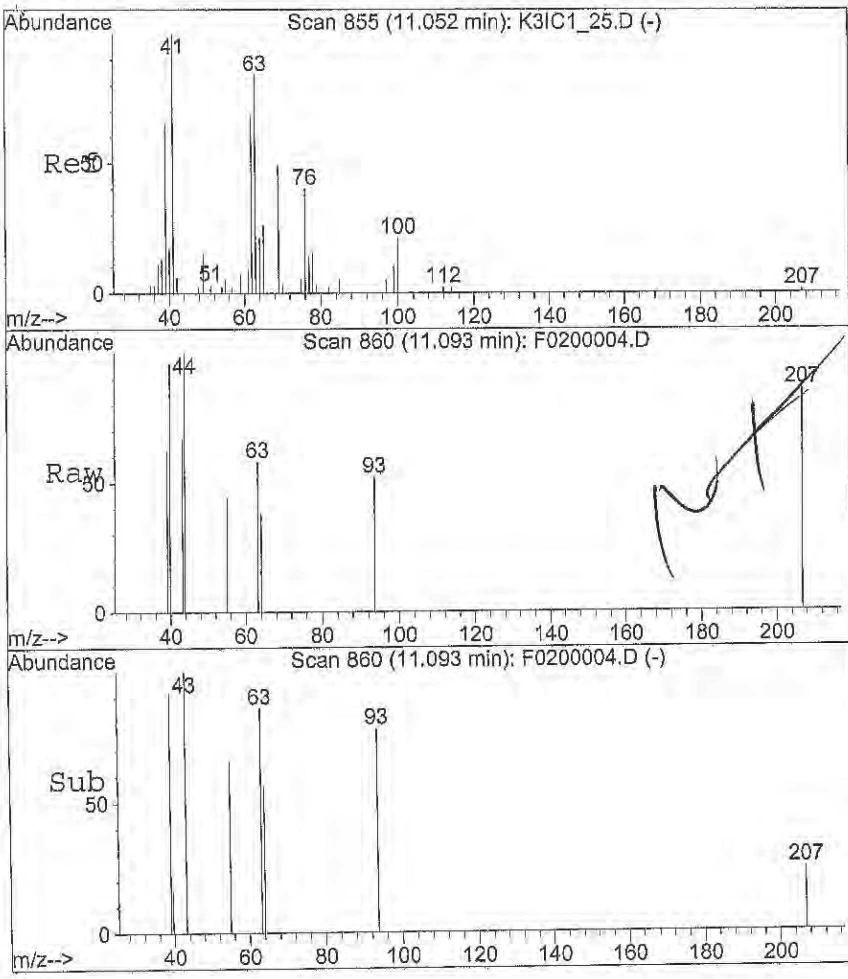


#33
Trichloroethene
Concen: 0.07 ug/L
RT: 10.59 min Scan# 801
Delta R.T. -0.14 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:130 Resp: 259

Ion	Ratio	Lower	Upper
130	100		
95	0.0	82.8	124.2#
132	0.0	77.4	116.2#
97	0.0	53.8	80.6#

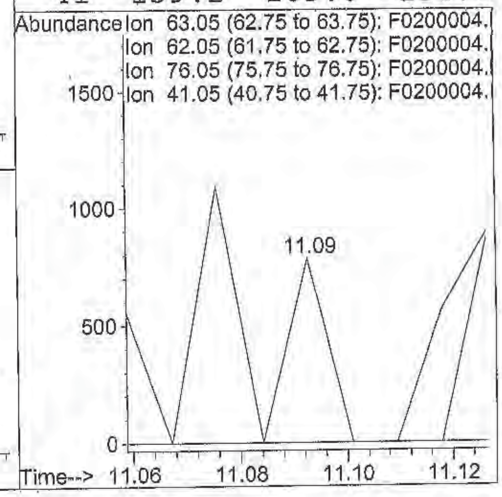


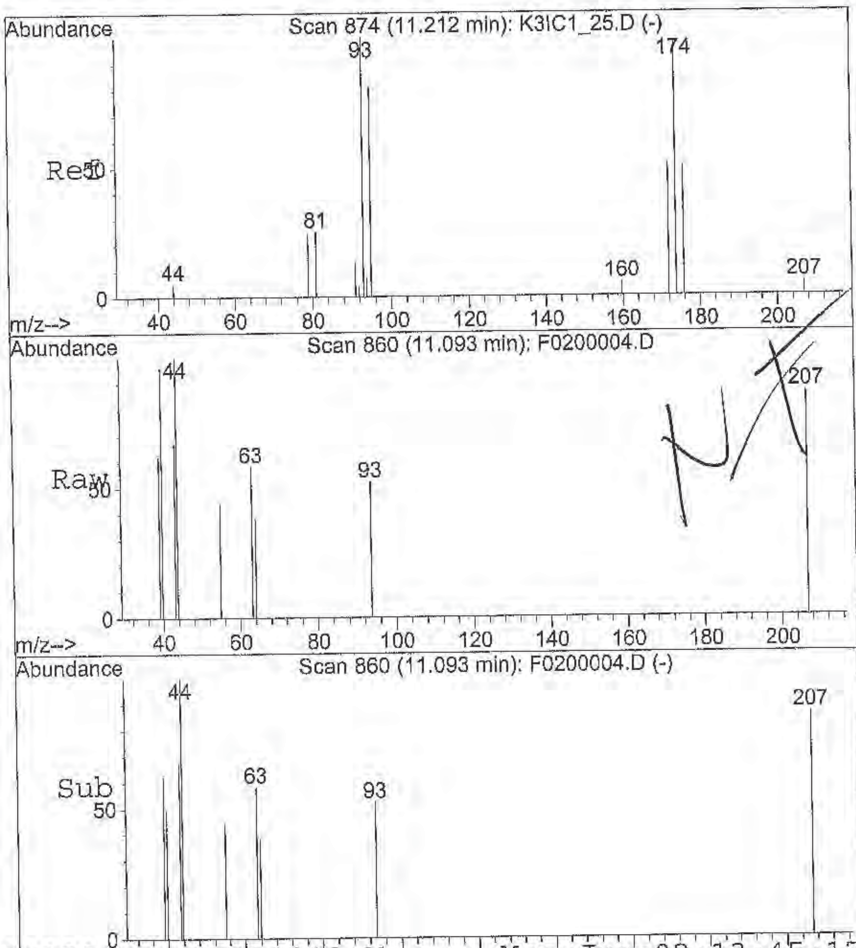


#34
1,2-Dichloropropane
Concen: 0.14 ug/L
RT: 11.09 min Scan# 860
Delta R.T. 0.04 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 63 Resp: 398

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	139.2	103.0	154.6

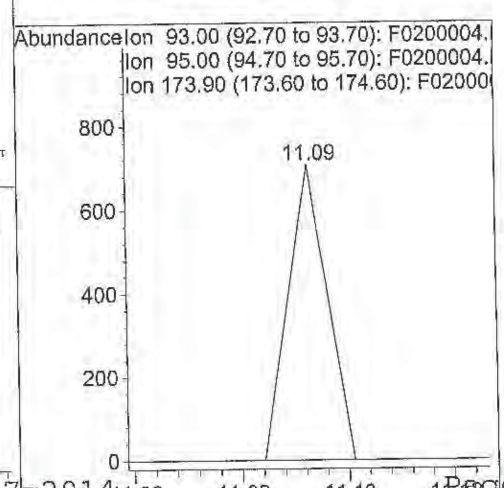


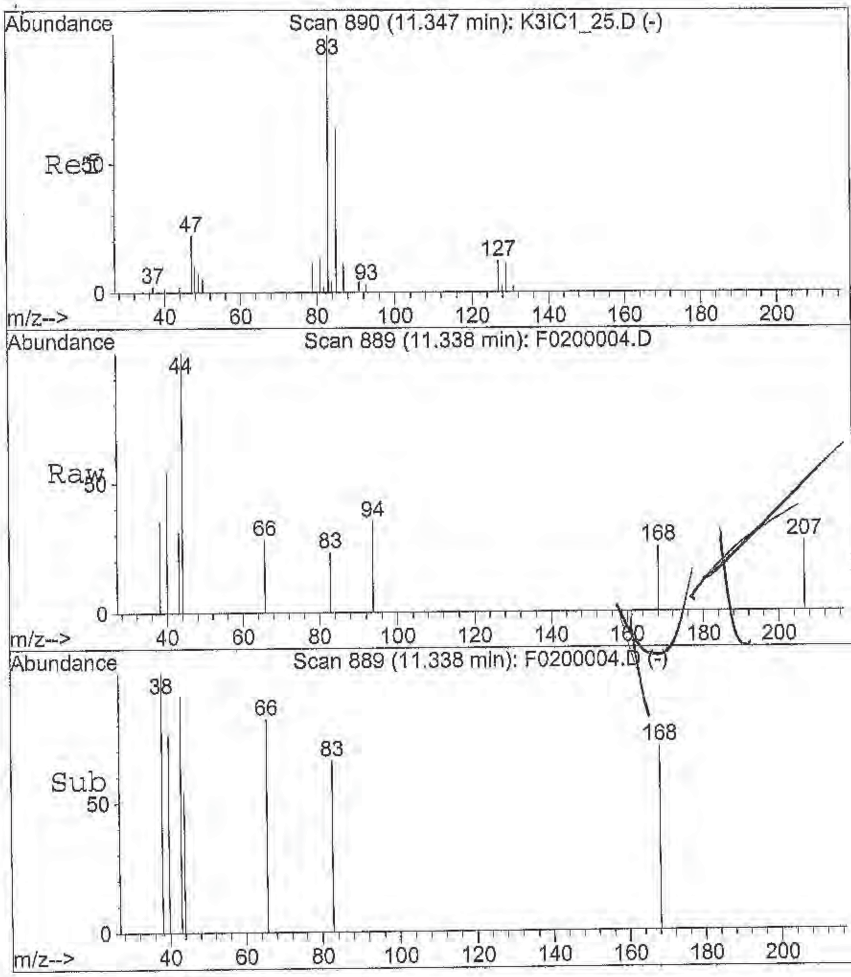


#35
Dibromomethane
Concen: 0.16 ug/L
RT: 11.09 min Scan# 860
Delta R.T. -0.12 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 93 Resp: 358

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

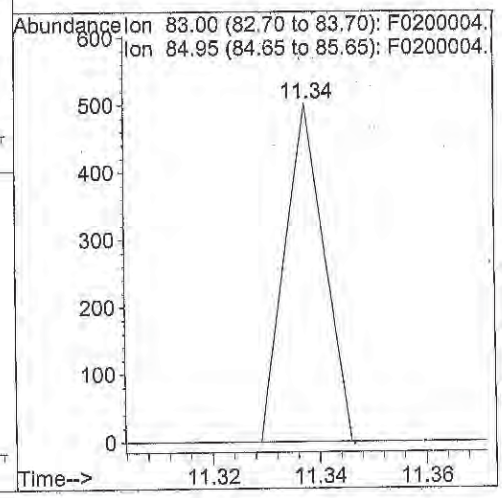


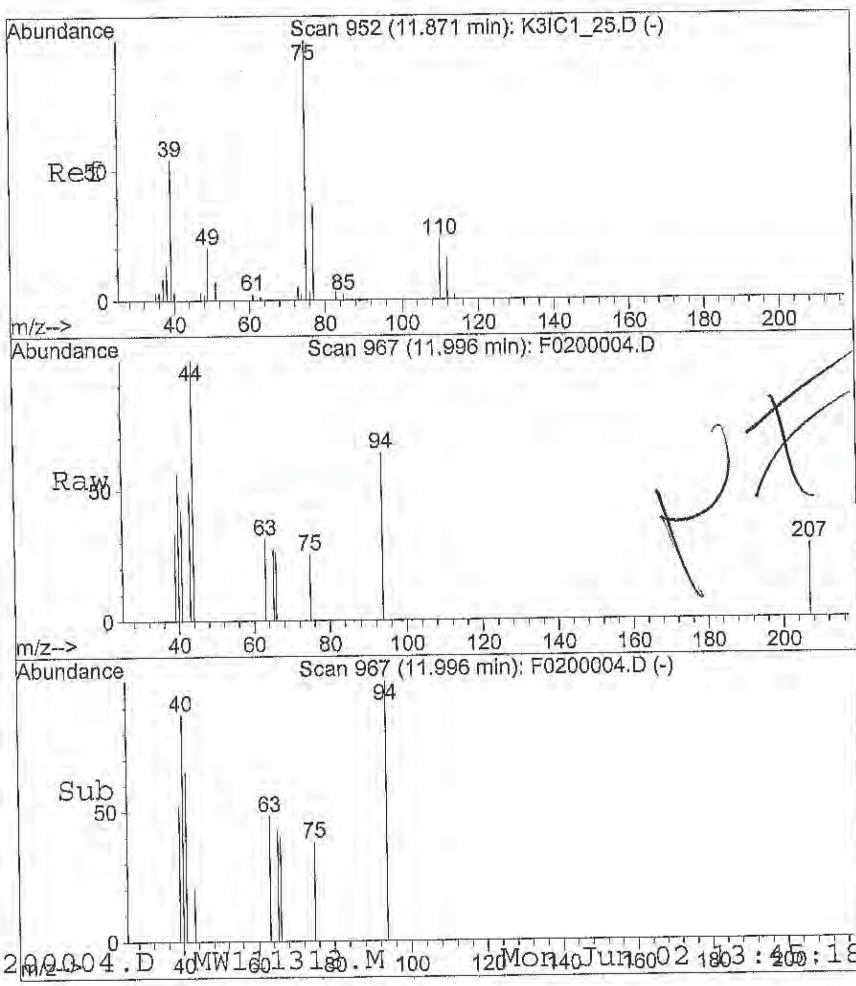


#36
Bromodichloromethane
Concen: 0.06 ug/L
RT: 11.34 min Scan# 889
Delta R.T. -0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 83 Resp: 254

Ion	Ratio	Lower	Upper
83	100		
85	0.0	48.2	72.2#

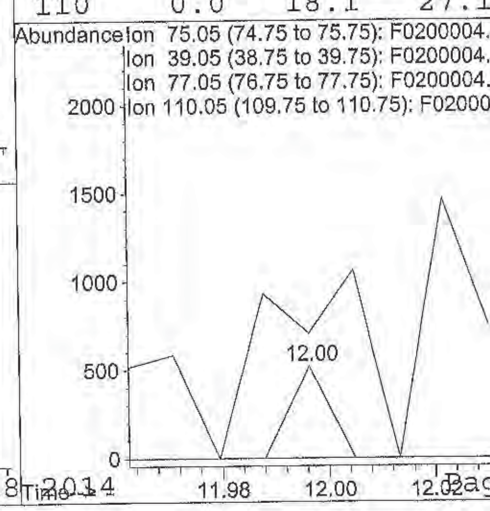


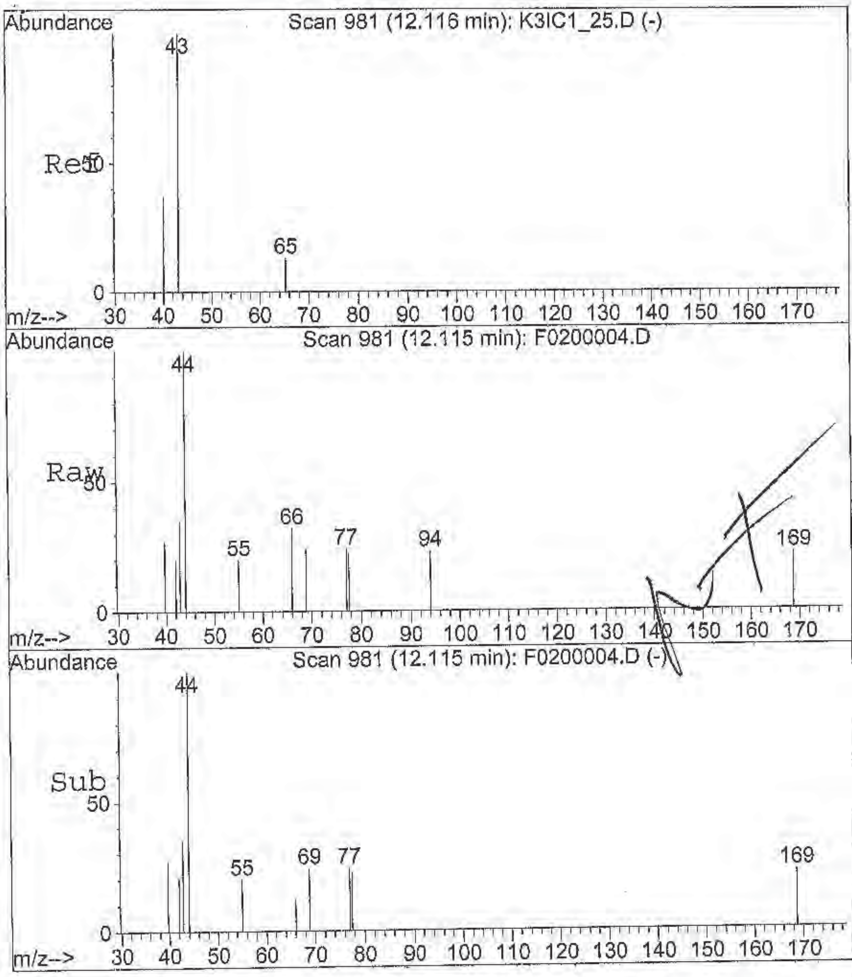


#37
cis-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 12.00 min Scan# 967
Delta R.T. 0.13 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 75 Resp: 264

Ion	Ratio	Lower	Upper
75	100		
39	517.8	40.7	61.1#
77	0.0	28.8	43.2#
110	0.0	18.1	27.1#

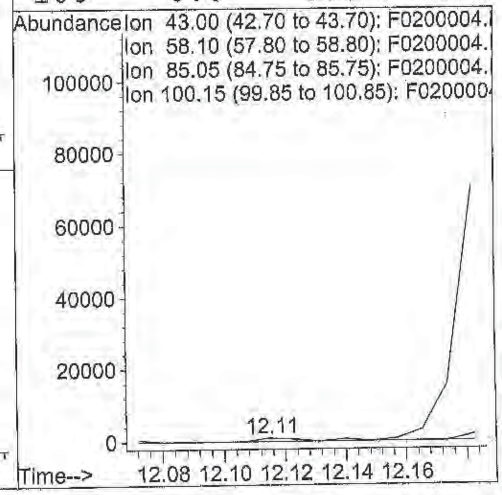


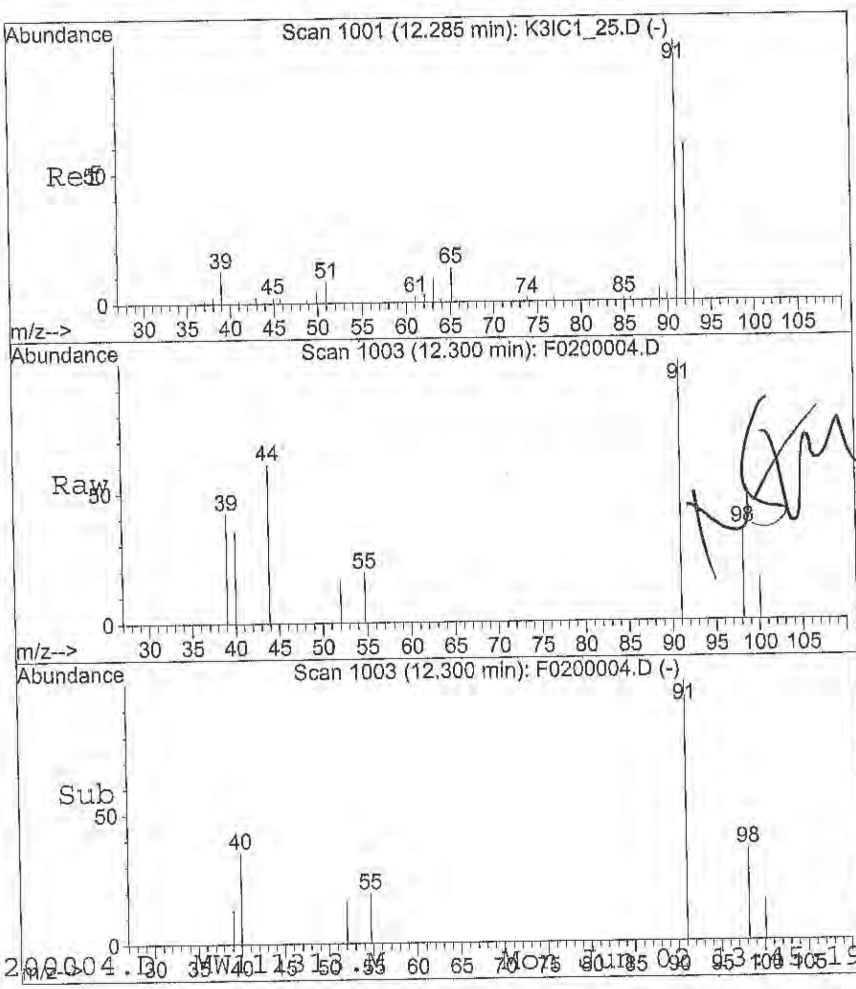


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.45 ug/L
RT: 12.11 min Scan# 981
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 43 Resp: 1090

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

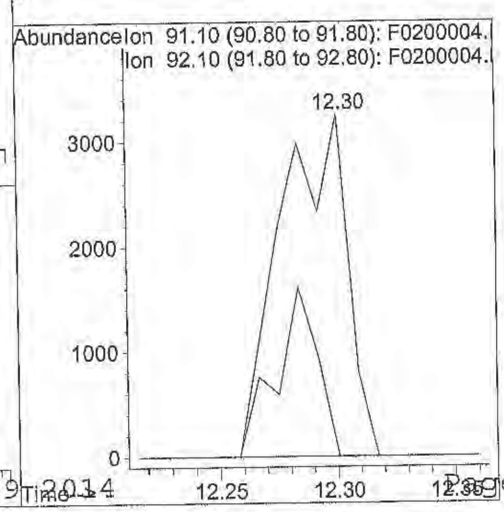


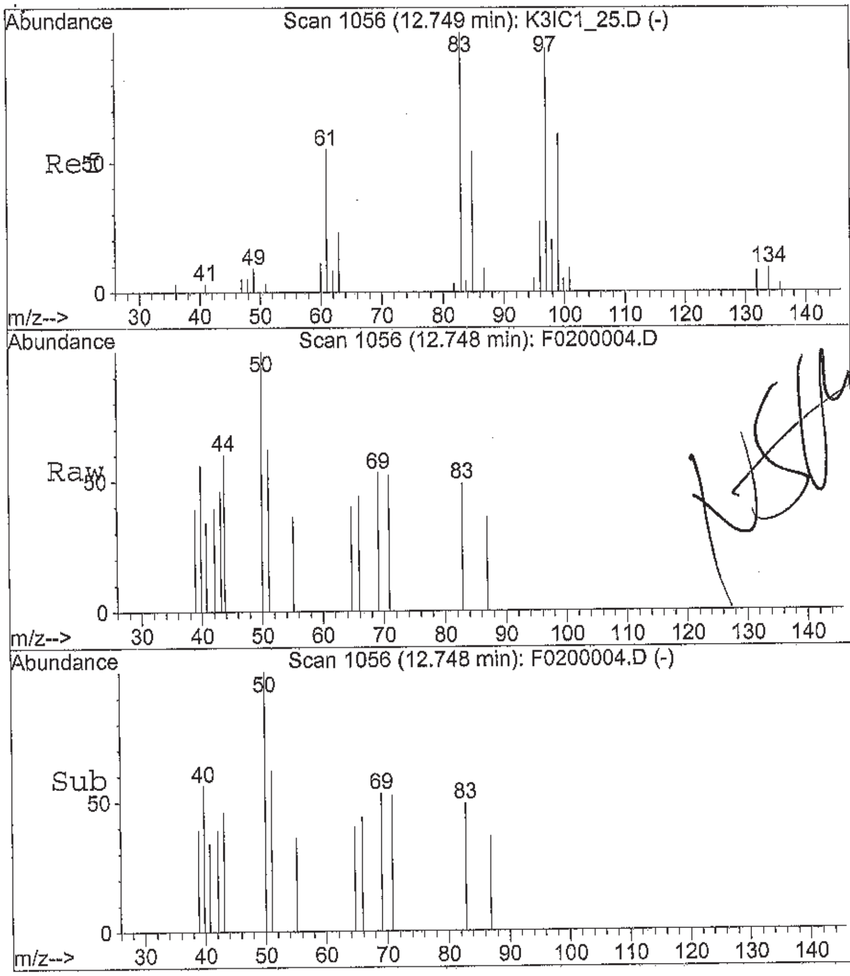


#41
Toluene
Concen: 0.39 ug/L
RT: 12.30 min Scan# 1003
Delta R.T. 0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 91 Resp: 6415

Ion	Ratio	Lower	Upper
91	100		
92	30.7	47.4	71.0#

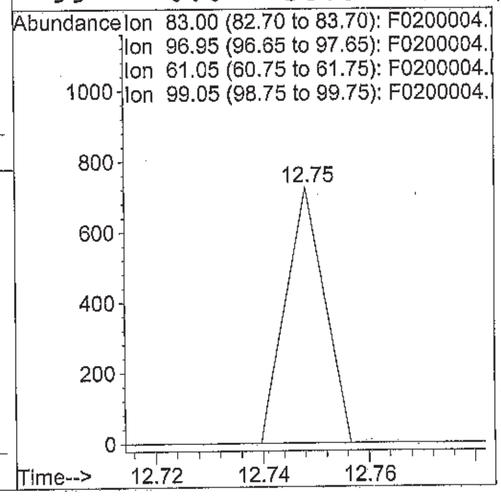


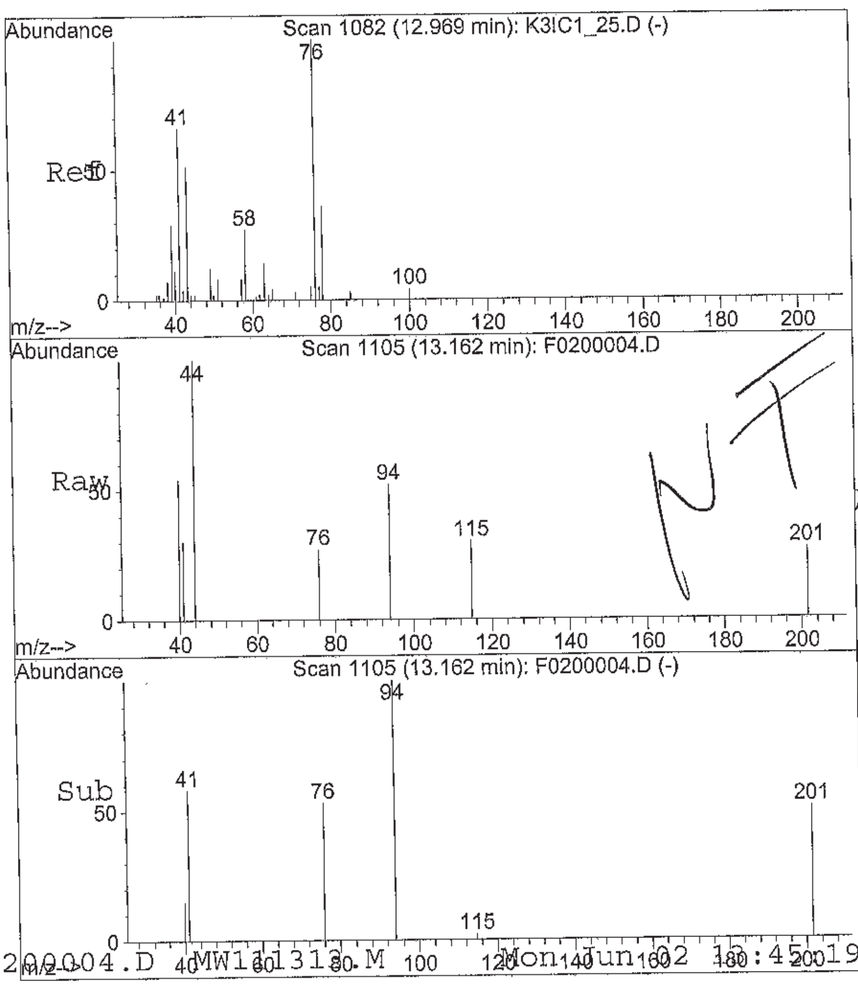


#43
1,1,2-Trichloroethane
Concen: 0.12 ug/L
RT: 12.75 min Scan# 1056
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 83 Resp: 368

Ion	Ratio	Lower	Upper
83	100		
97	0.0	79.4	119.0#
61	0.0	47.4	71.2#
99	0.0	56.3	84.5#

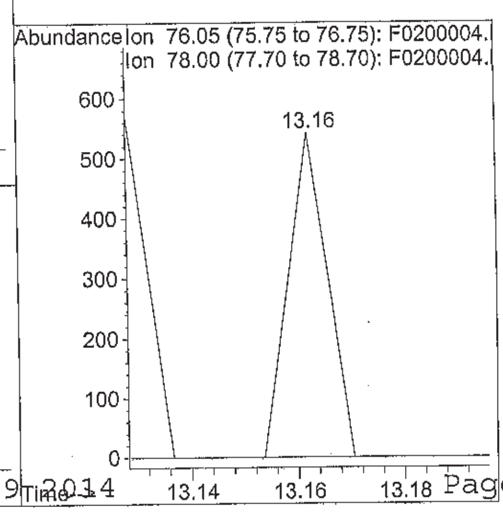


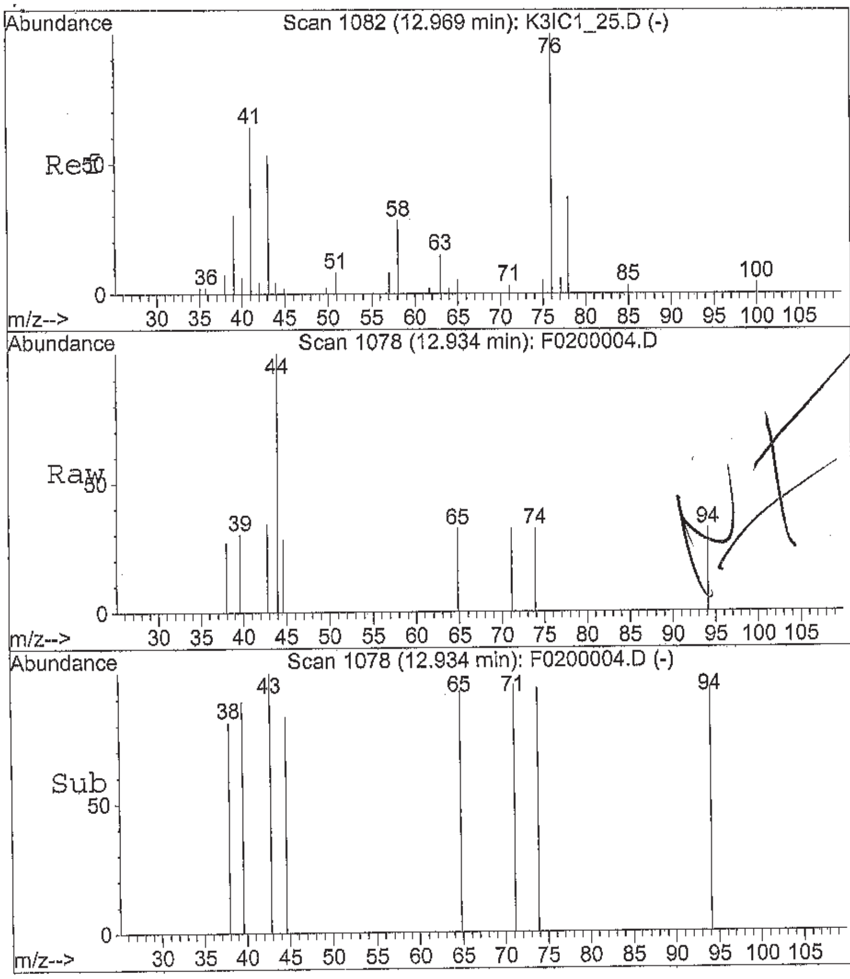


#45
1,3-Dichloropropane
Concen: 0.05 ug/L
RT: 13.16 min Scan# 1105
Delta R.T. 0.19 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 76 Resp: 275

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.9	40.3#

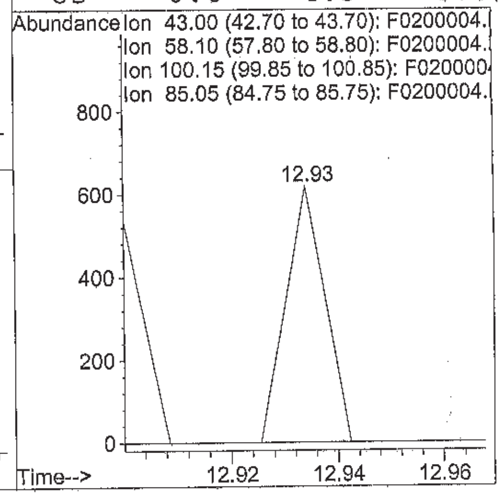


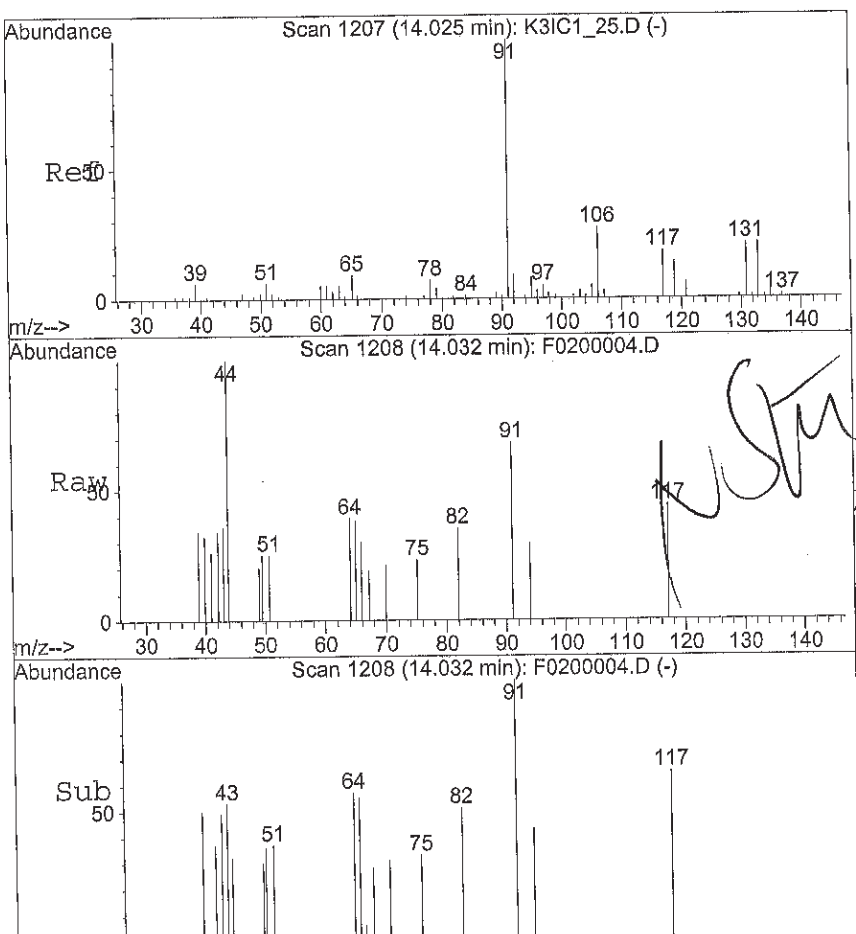


#46
2-Hexanone
Concen: 0.12 ug/L
RT: 12.93 min Scan# 1078
Delta R.T. -0.03 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 43 Resp: 313

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

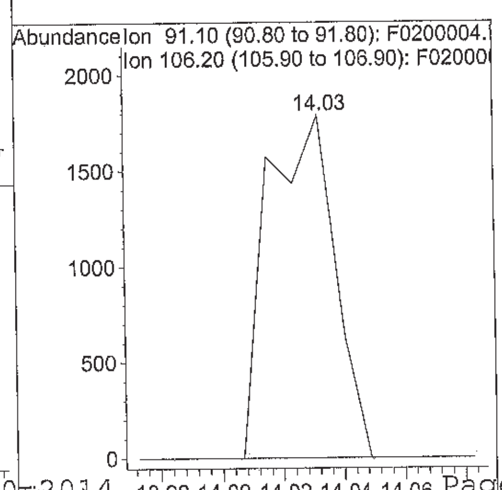




#51
Ethylbenzene
Concen: 0.15 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 91 Resp: 2741

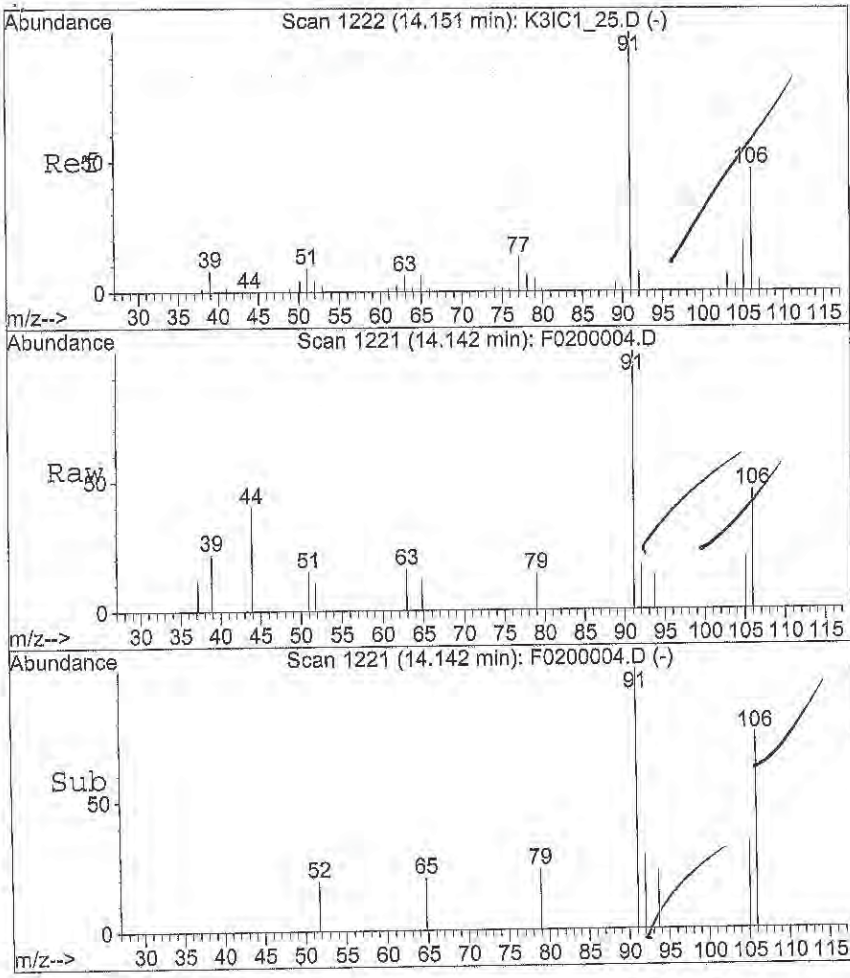
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

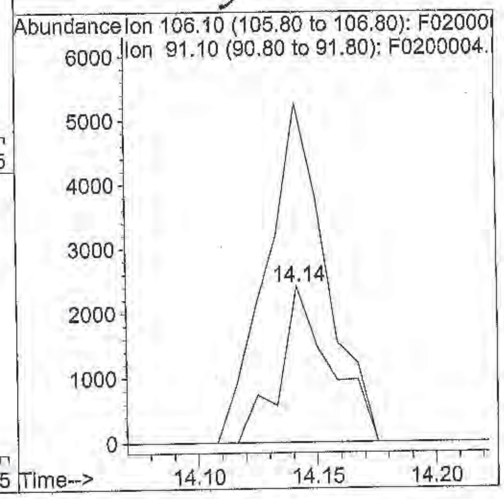


#52
m,p-Xylenes
Concen: 0.54 ug/L
RT: 14.14 min   Scan# 1221
Delta R.T.   -0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion:106 Resp: 3584

Ion	Ratio	Lower	Upper
106	100		
91	254.9	177.1	265.7

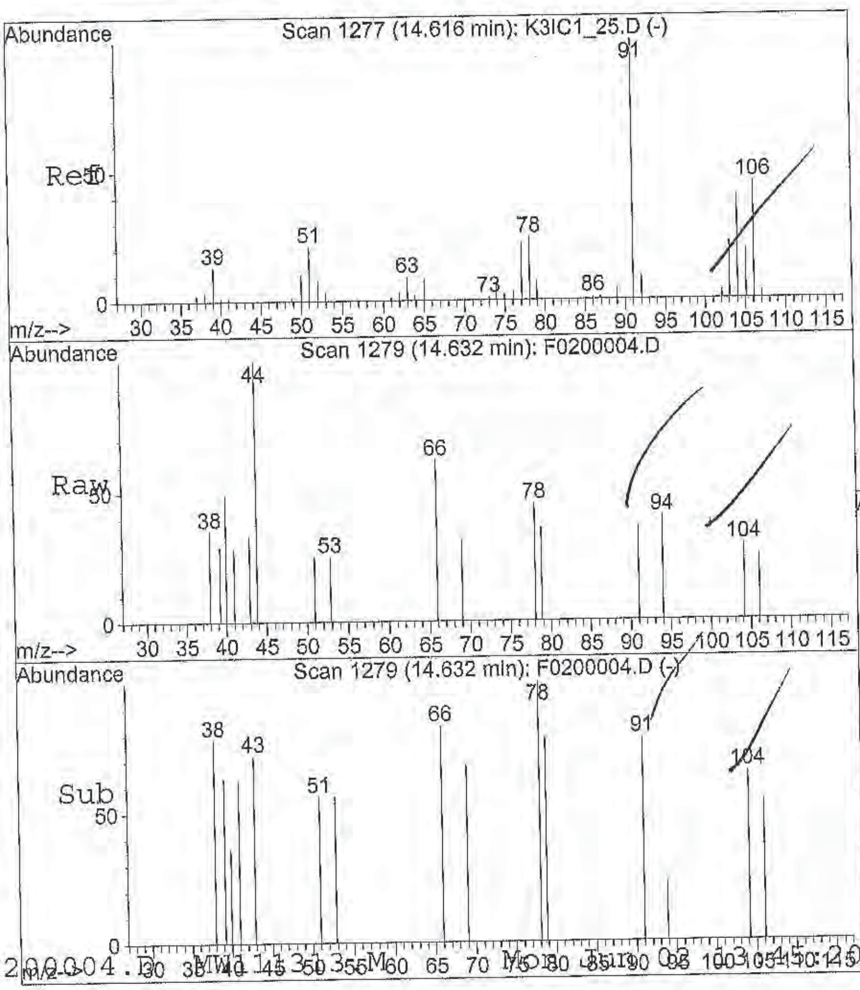


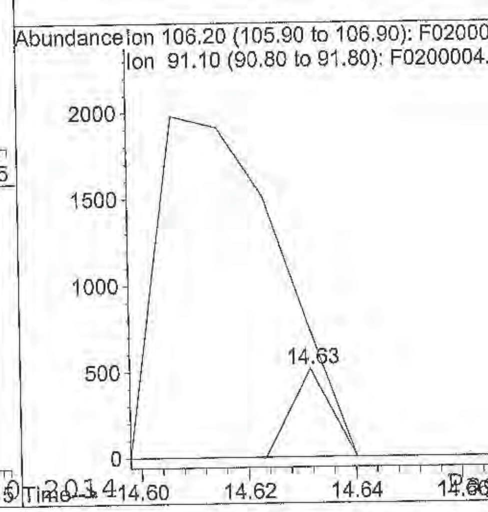


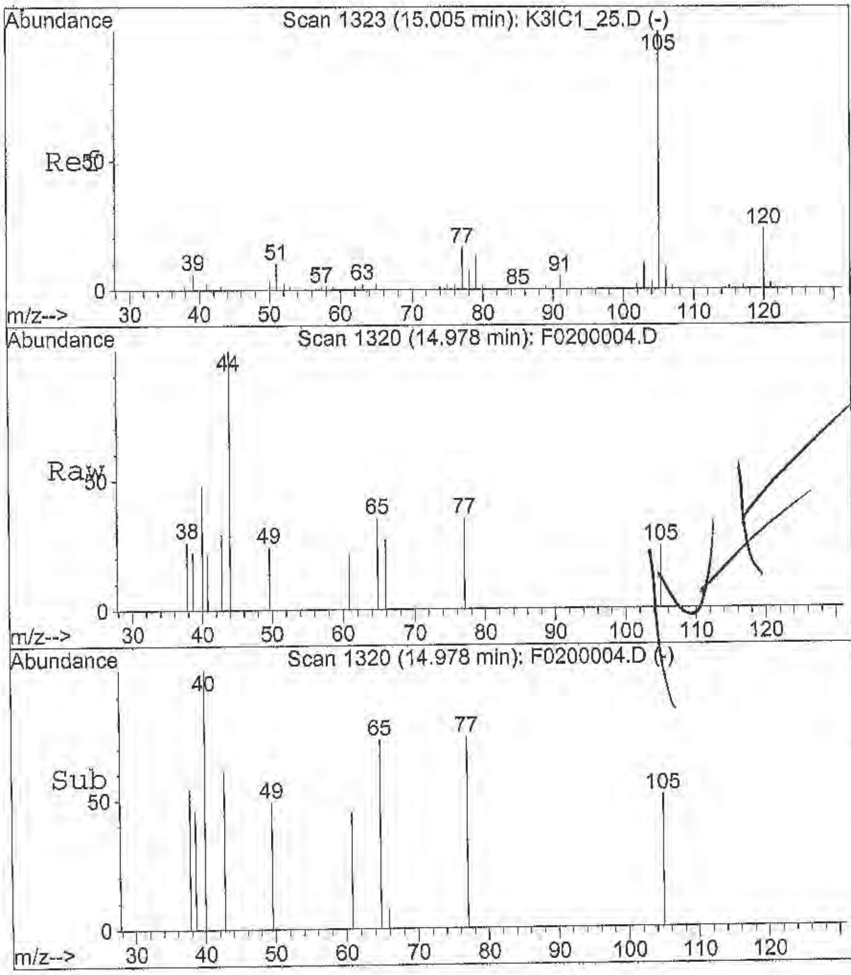
#53
o-Xylene
Concen: 0.04 ug/L
RT: 14.63 min   Scan# 1279
Delta R.T.   0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014   1:21 pm

Tgt Ion:106 Resp: 259

Ion	Ratio	Lower	Upper
106	100		
91	0.0	179.0	268.6#



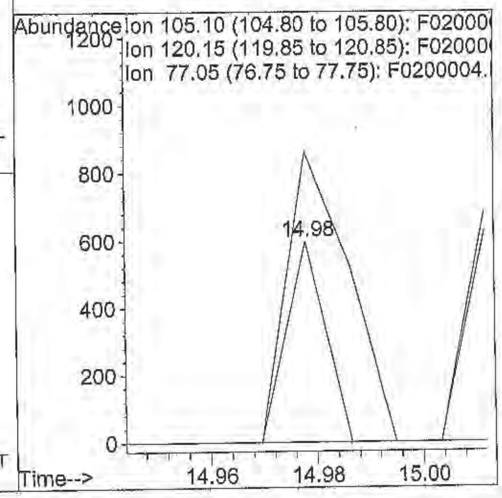


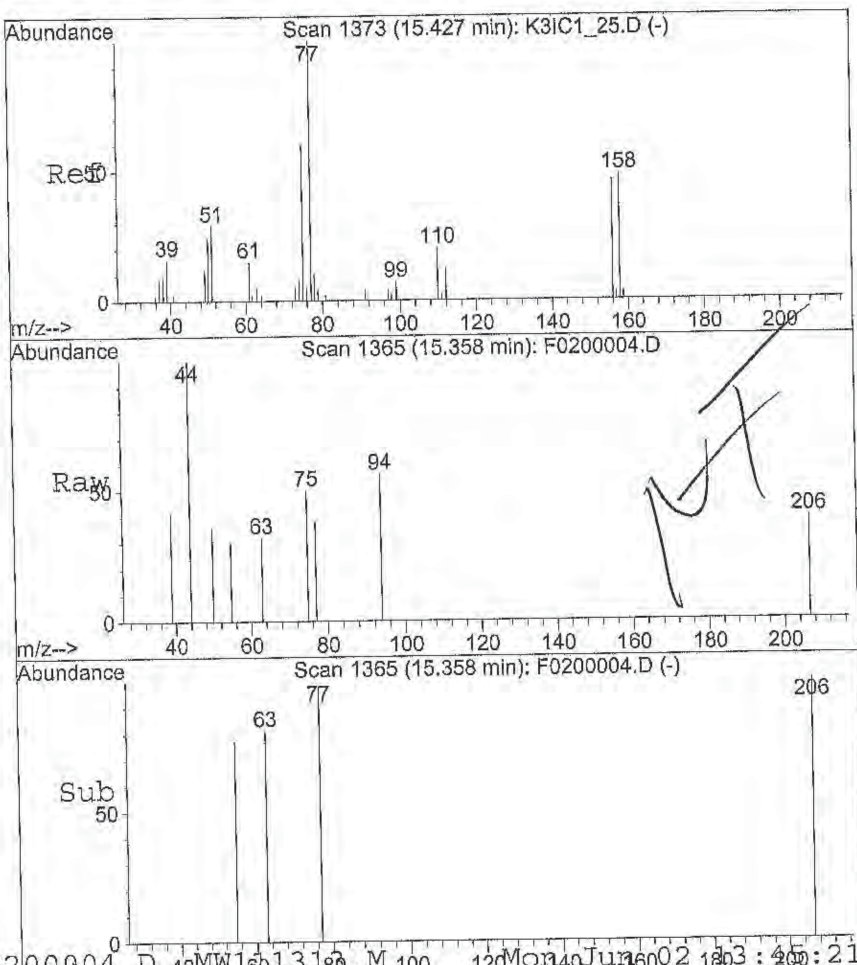


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 14.98 min Scan# 1320
Delta R.T. -0.03 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:105 Resp: 303

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	231.0	13.1	19.7#

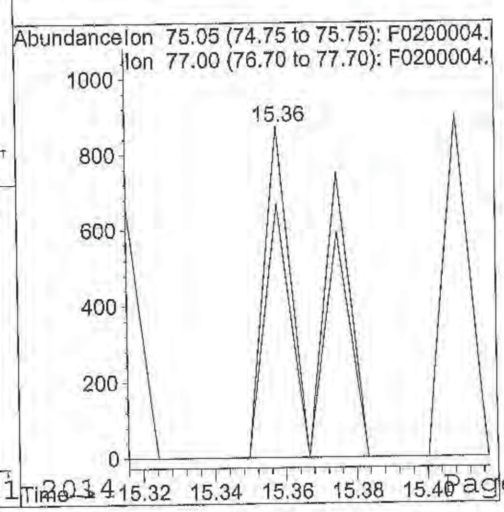


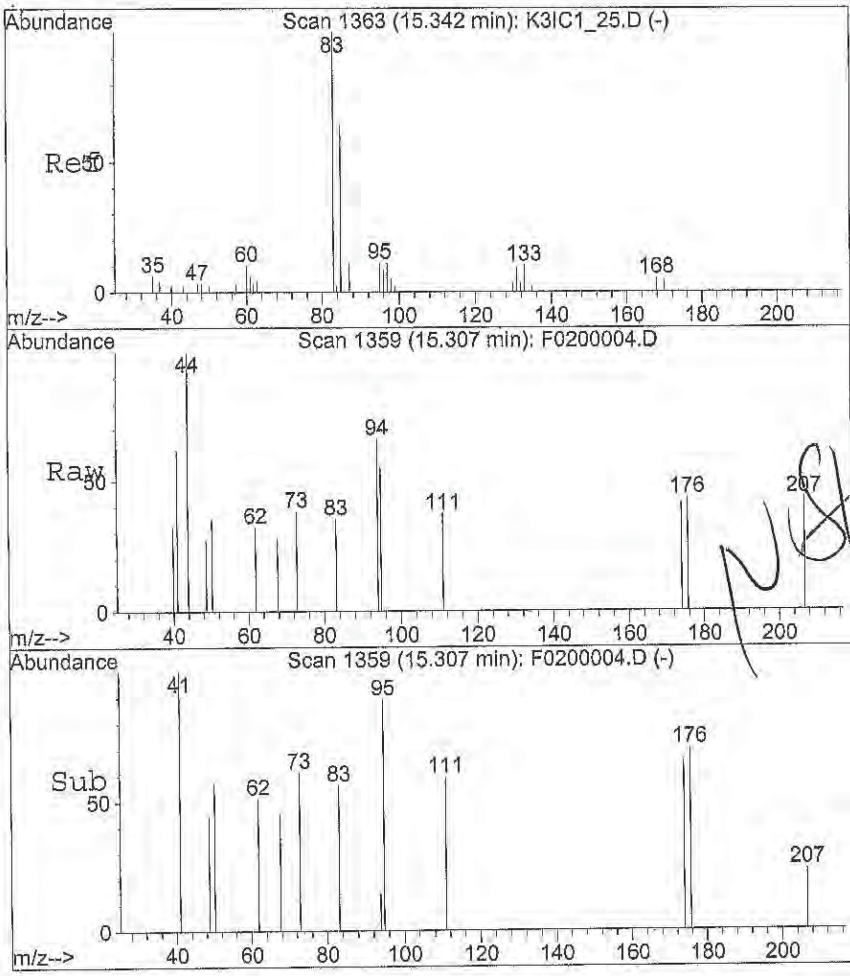


#57
1,2,3-Trichloropropane
Concen: 0.17 ug/L
RT: 15.36 min Scan# 1365
Delta R.T. -0.07 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 75 Resp: 821

Ion	Ratio	Lower	Upper
75	100		
77	77.5	31.2	46.8#

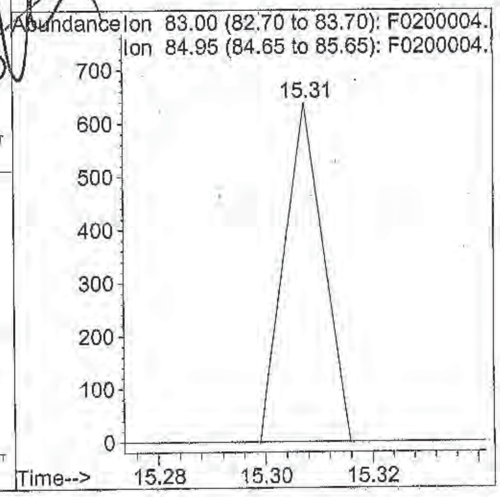


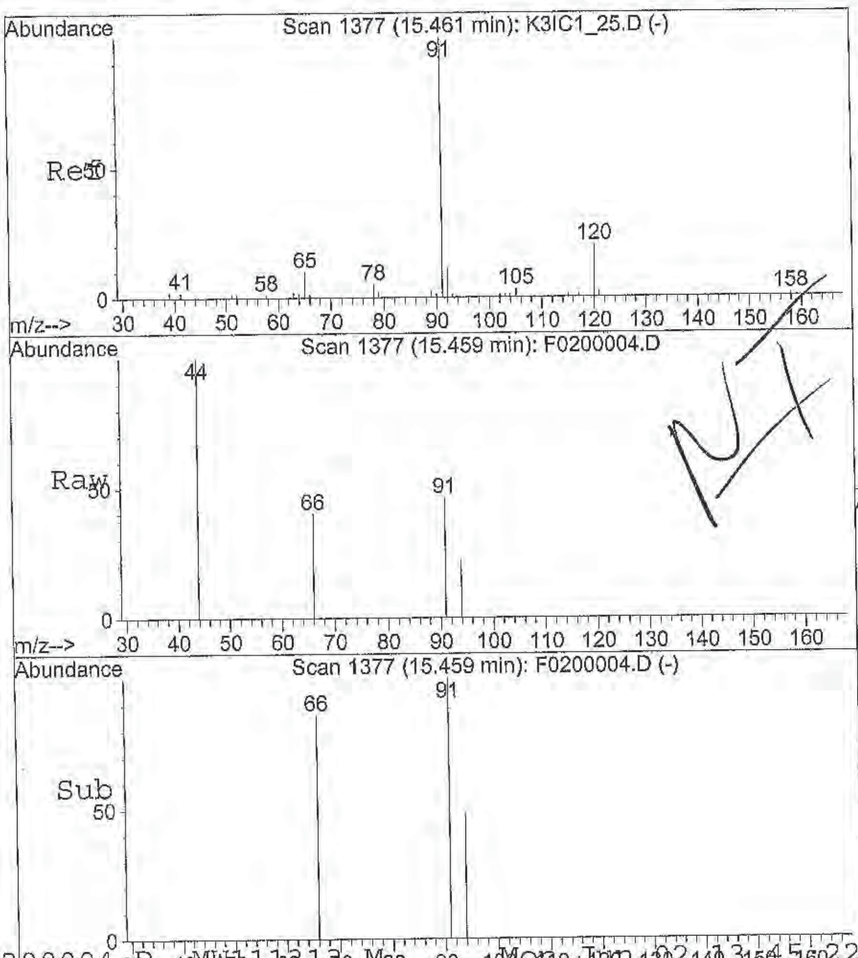


#60
1,1,2,2-Tetrachloroethane
Concen: 0.07 ug/L
RT: 15.31 min Scan# 1359
Delta R.T. -0.03 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 83 Resp: 323

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.2	76.8#

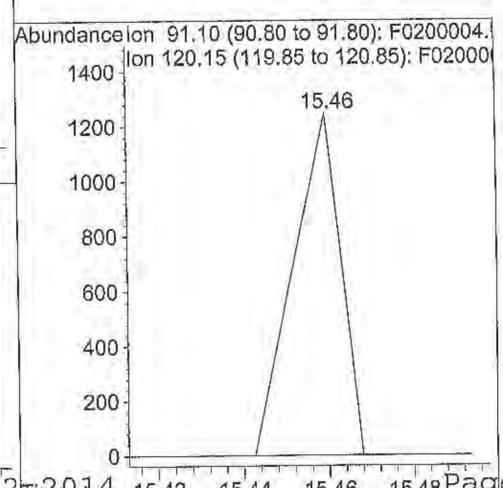


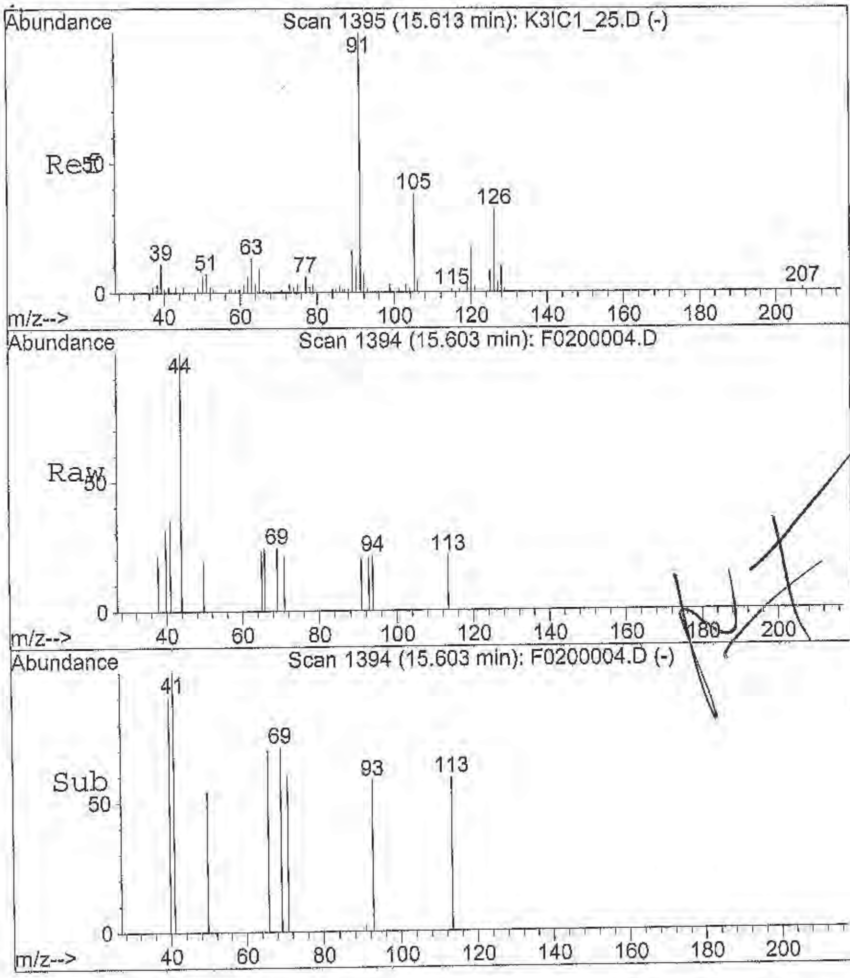


#62
n-Propylbenzene
Concen: 0.04 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 91 Resp: 958

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

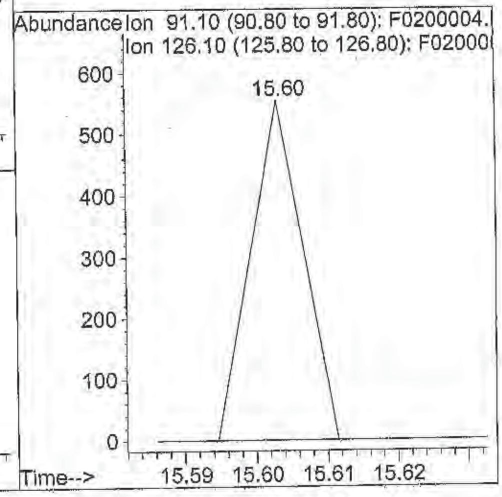


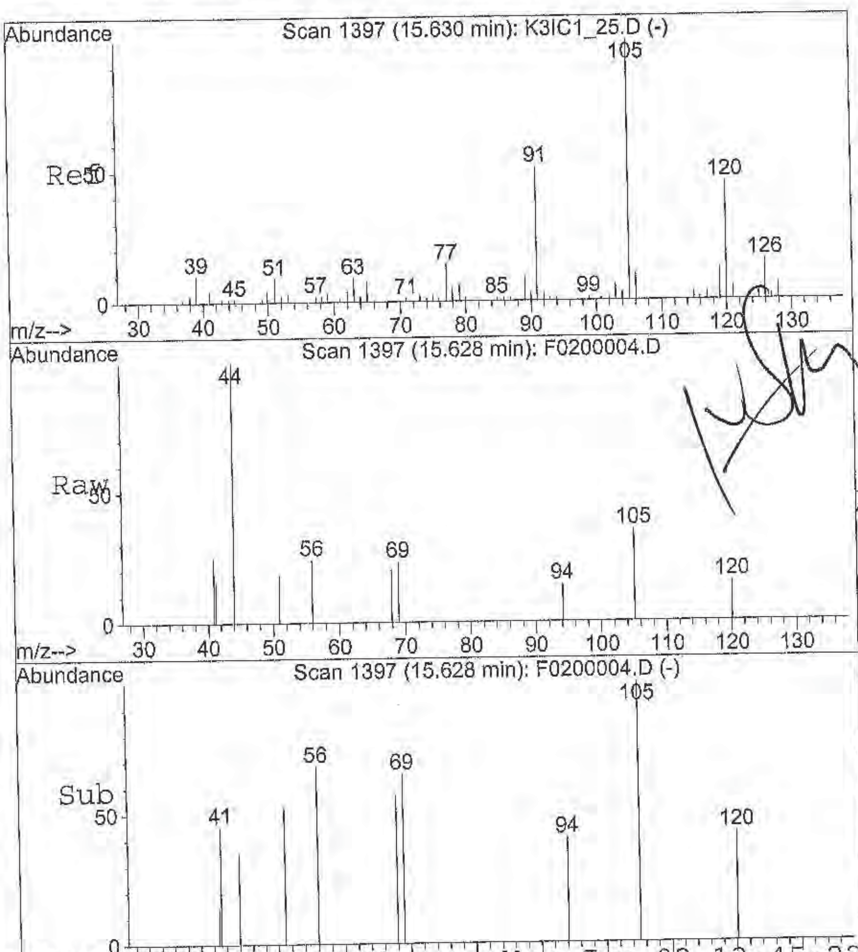


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 91 Resp: 281

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

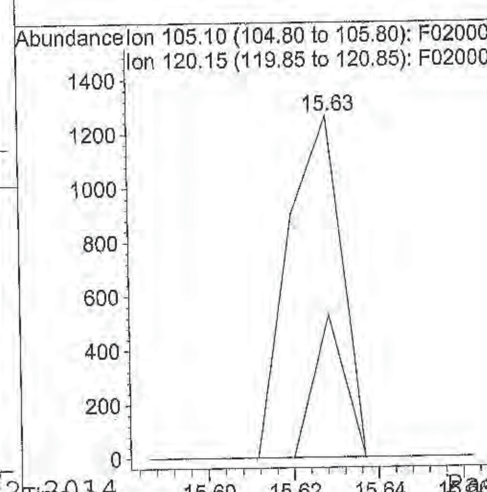


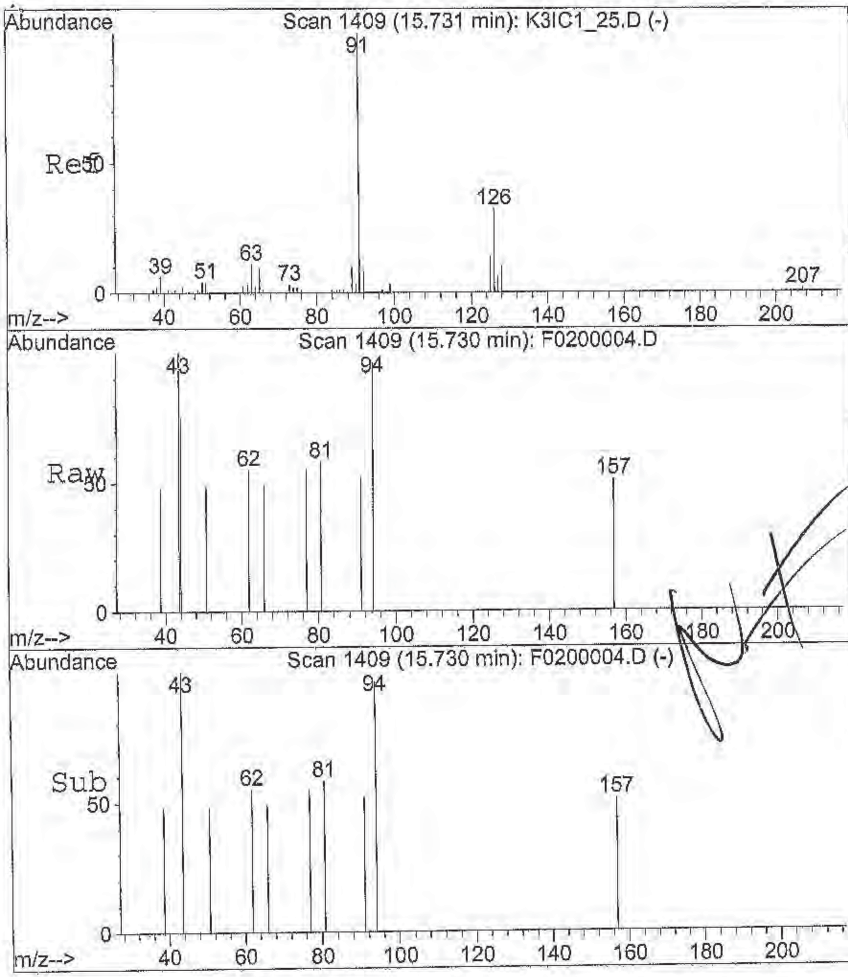


#64
1,3,5-Trimethylbenzene
Concen: 0.07 ug/L
RT: 15.63 min Scan# 1397
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:105 Resp: 1099

Ion	Ratio	Lower	Upper
105	100		
120	24.3	36.4	54.6#

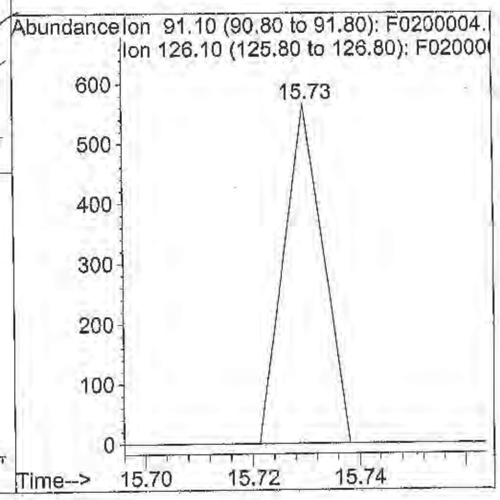


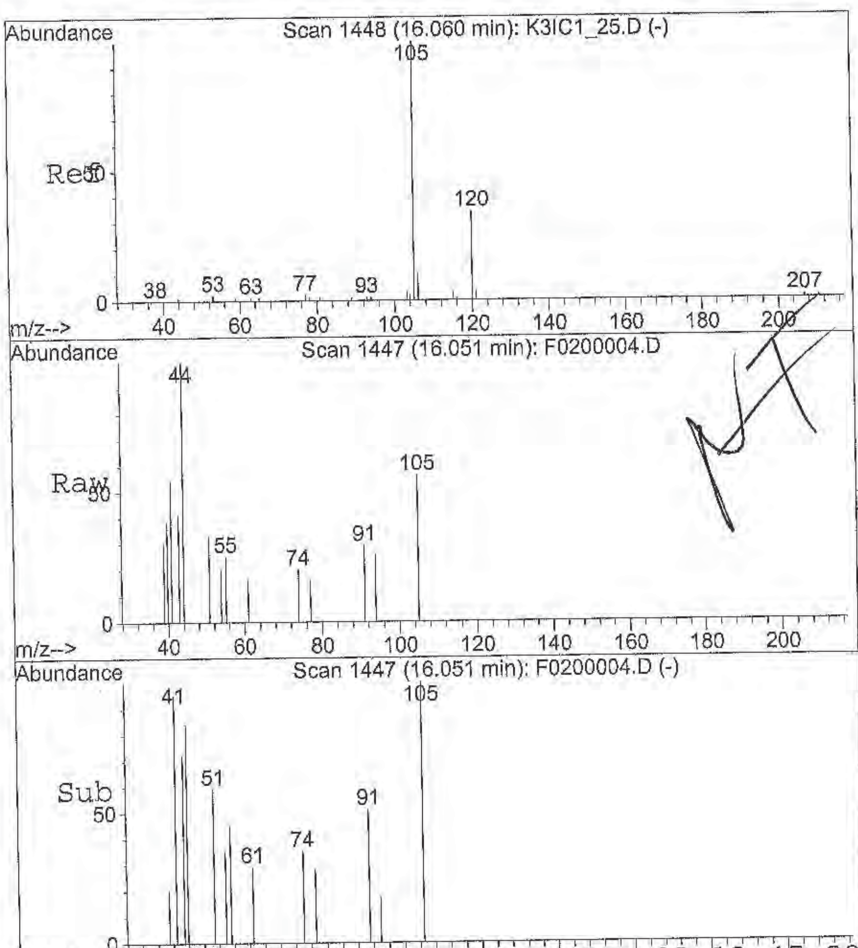


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.73 min Scan# 1409
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 91 Resp: 287

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

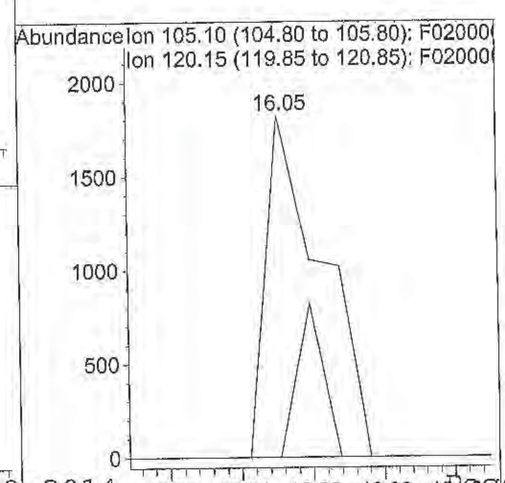


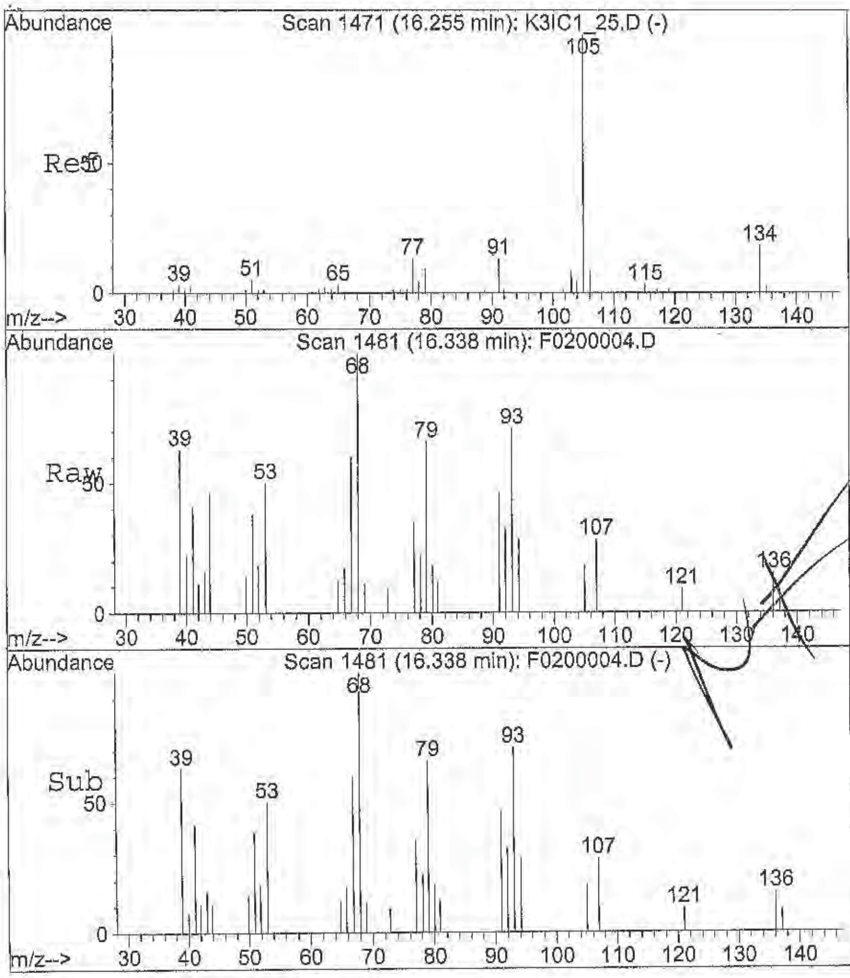


#67
1,2,4-Trimethylbenzene
Concen: 0.12 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. -0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:105 Resp: 1977

Ion	Ratio	Lower	Upper
105	100		
120	21.1	33.8	50.8#

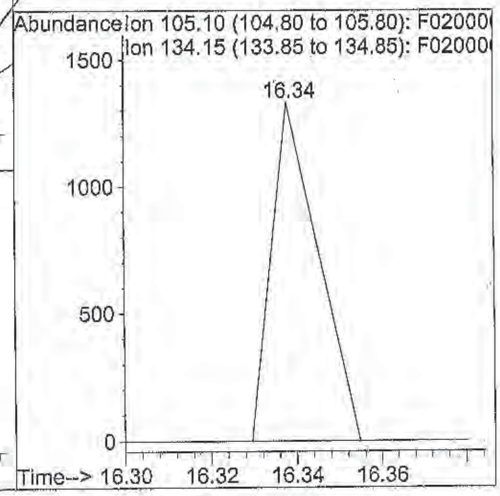


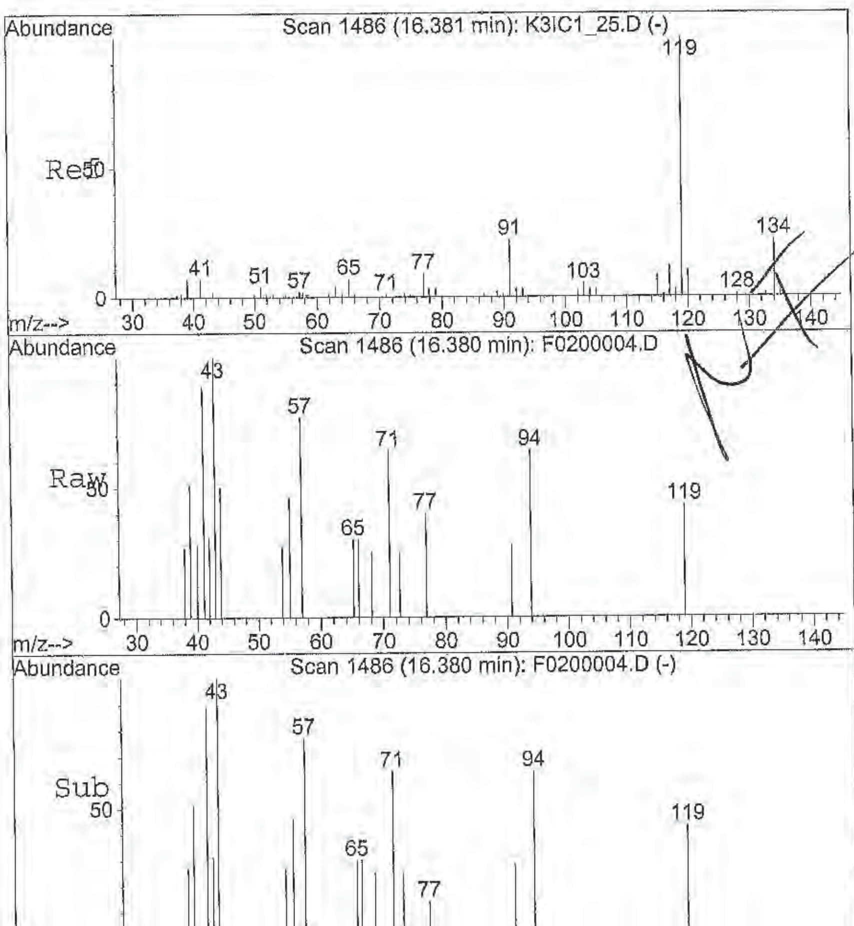


#68
sec-Butylbenzene
Concen: 0.05 ug/L
RT: 16.34 min Scan# 1481
Delta R.T. 0.08 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:105 Resp: 1008

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

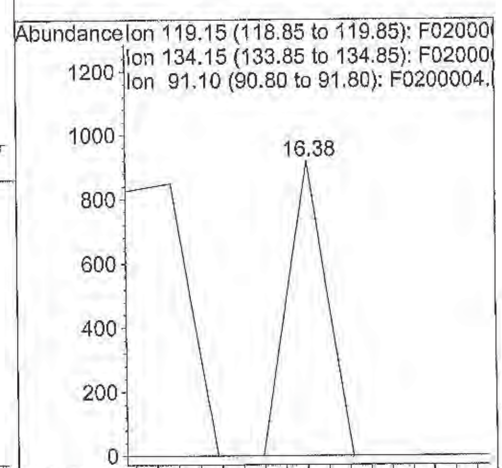


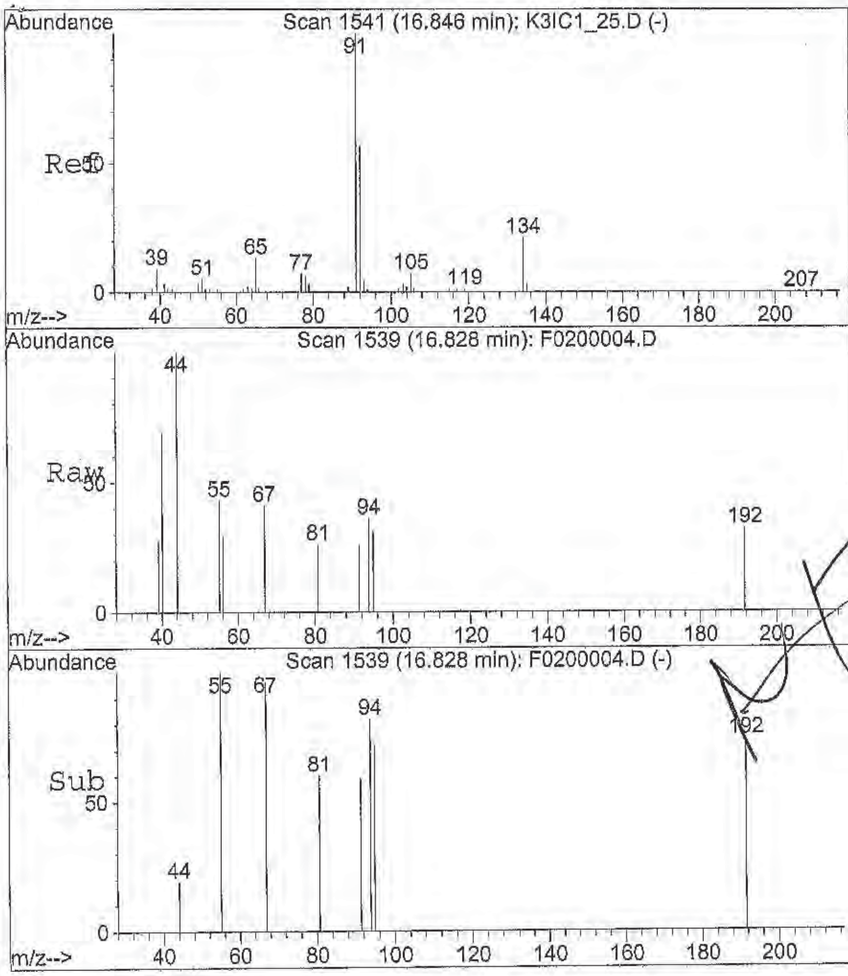


#69
p-Isopropyltoluene
Concen: 0.03 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:119 Resp: 465

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

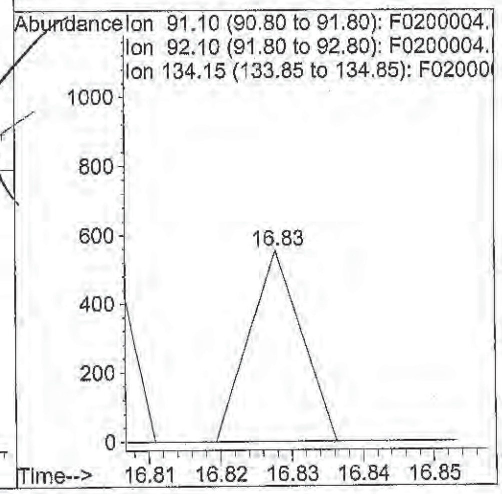


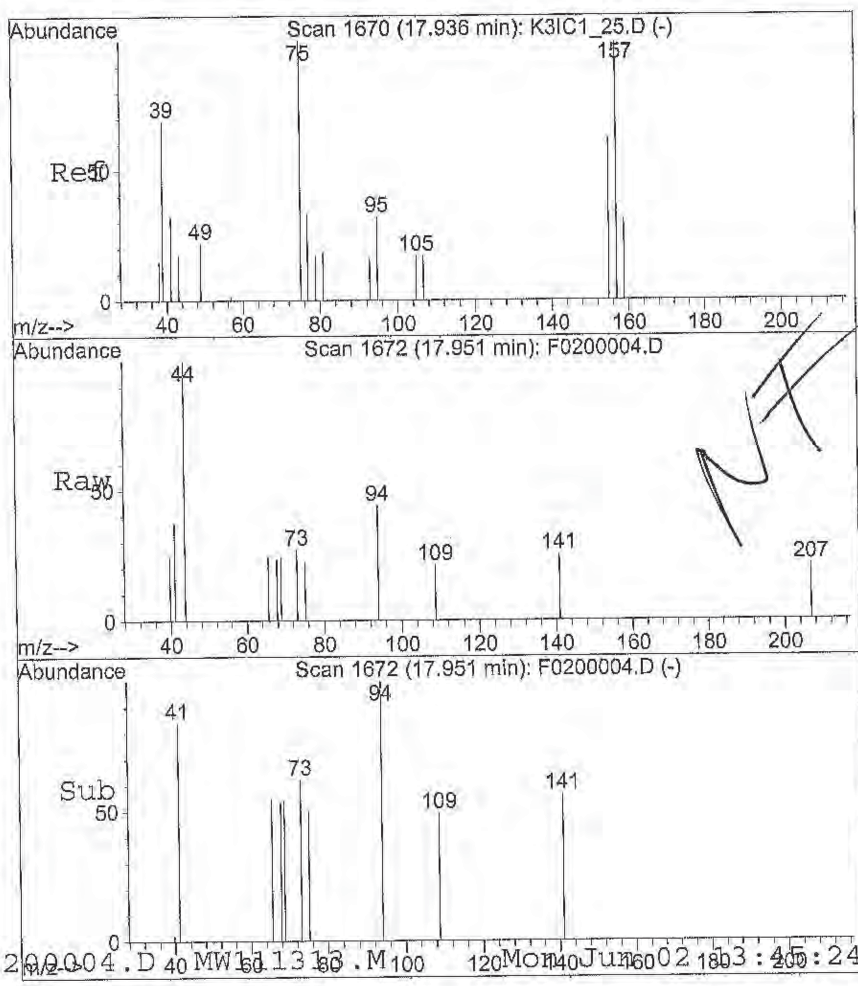


#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.83 min Scan# 1539
Delta R.T. -0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 91 Resp: 281

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#

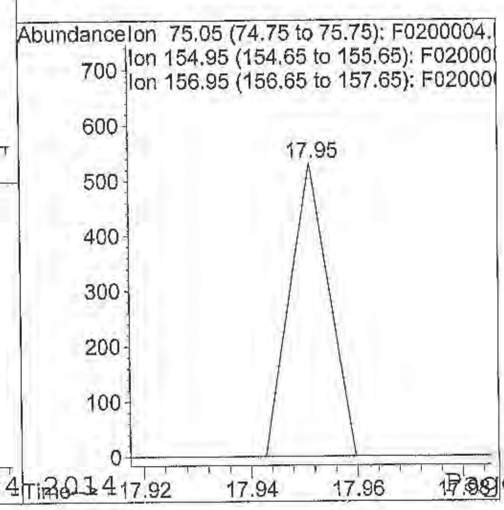


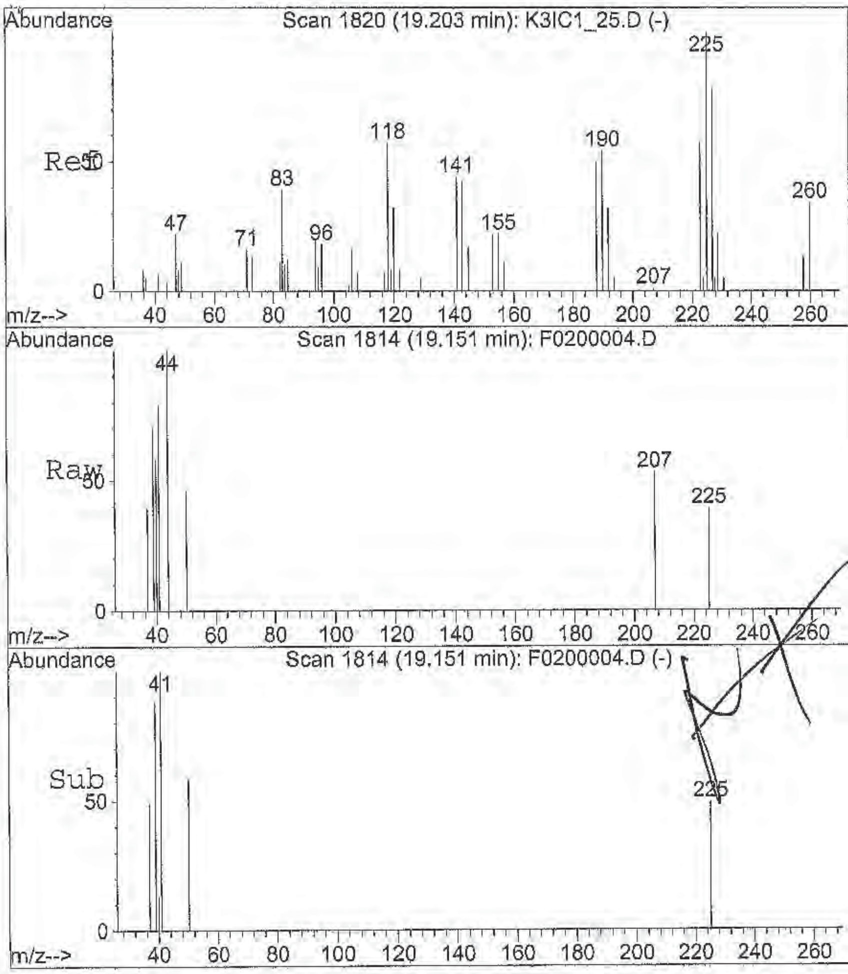


#74
1,2-Dibromo-3-chloropropane
Concen: 1.26 ug/L
RT: 17.95 min Scan# 1672
Delta R.T. 0.02 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion: 75 Resp: 270

Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#

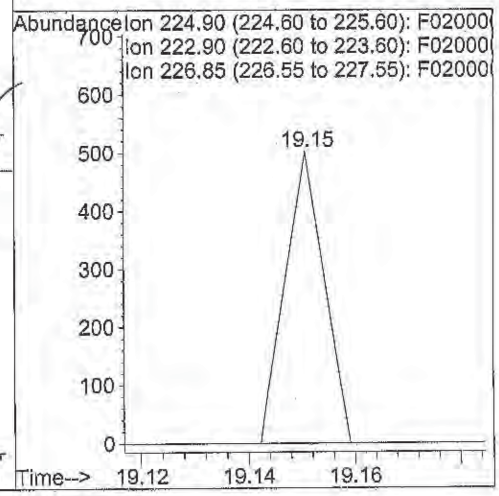


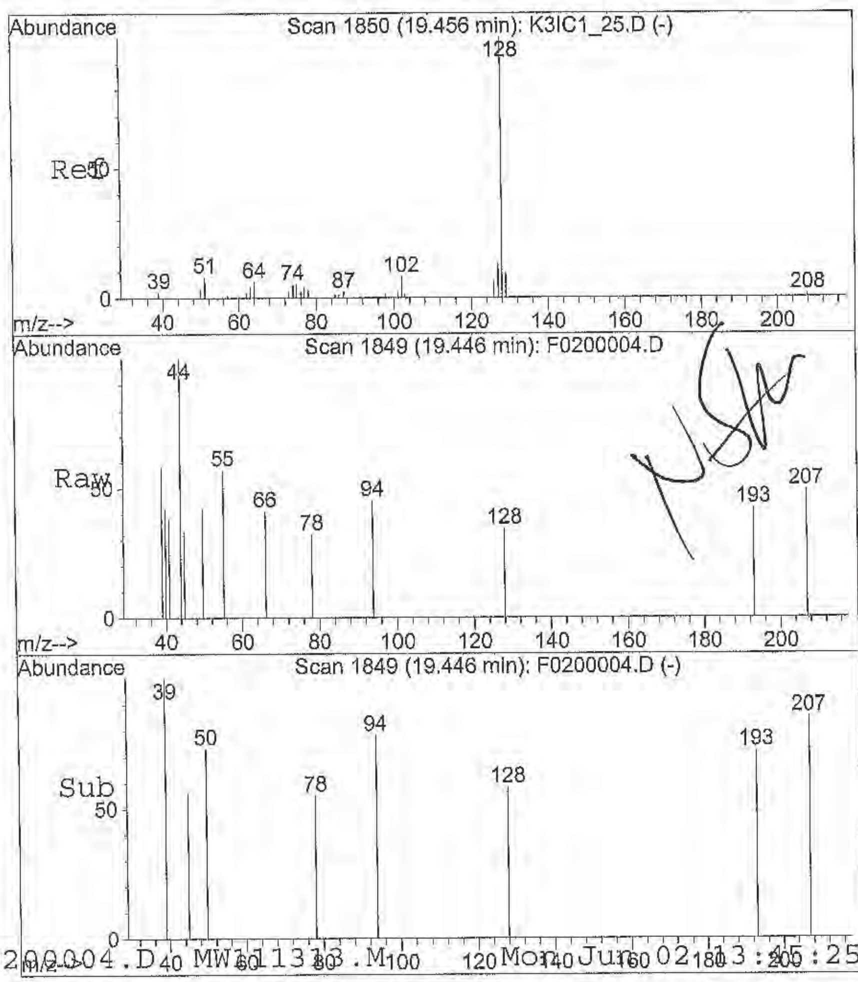


#76
Hexachlorobutadiene
Concen: 0.24 ug/L
RT: 19.15 min Scan# 1814
Delta R.T. -0.05 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:225 Resp: 254

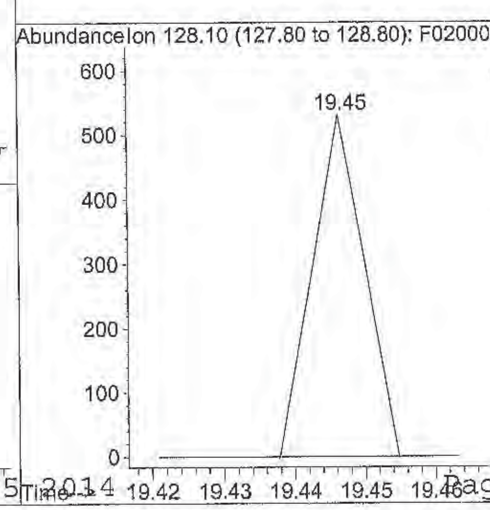
Ion	Ratio	Lower	Upper
225	100		
223	0.0	52.0	78.0#
227	0.0	50.6	75.8#





#77
Naphthalene
Concen: 0.02 ug/L
RT: 19.45 min Scan# 1849
Delta R.T. -0.01 min
Lab File: F0200004.D
Acq: 2 Jun 2014 1:21 pm

Tgt Ion:128 Resp: 269



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200004.D Vial: 3
Acq On : 2 Jun 2014 1:21 pm Operator: DN
Sample : 3F40201-03 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 3 7:36 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1277102	12.50 ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1204182	12.50 ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	617289	12.50 ug/L	0.00

System Monitoring Compounds

	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Dibromofluoromethane (SU1)	9.43	113	443521m	13.35 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	106.80%	
3) Chloroform-d (SU6)	9.18	84	562313m	11.80 ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	94.40%	
4) Methylene Chloride-d2 (SU5	7.07	86	312718	11.23 ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery =	89.84%	
5) 1,2-Dichloroethane-d4 (SU2	9.88	65	235446m	10.37 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	82.96%	
6) Benzene-d6 (SU7)	9.93	84	1160099	11.58 ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery =	92.64%	
8) Toluene-d8 (SU3)	12.21	98	1249266	10.94 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	87.52%	
9) 4-Bromofluorobenzene (SU4)	15.21	95	659396m	13.98 ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery =	111.84%	

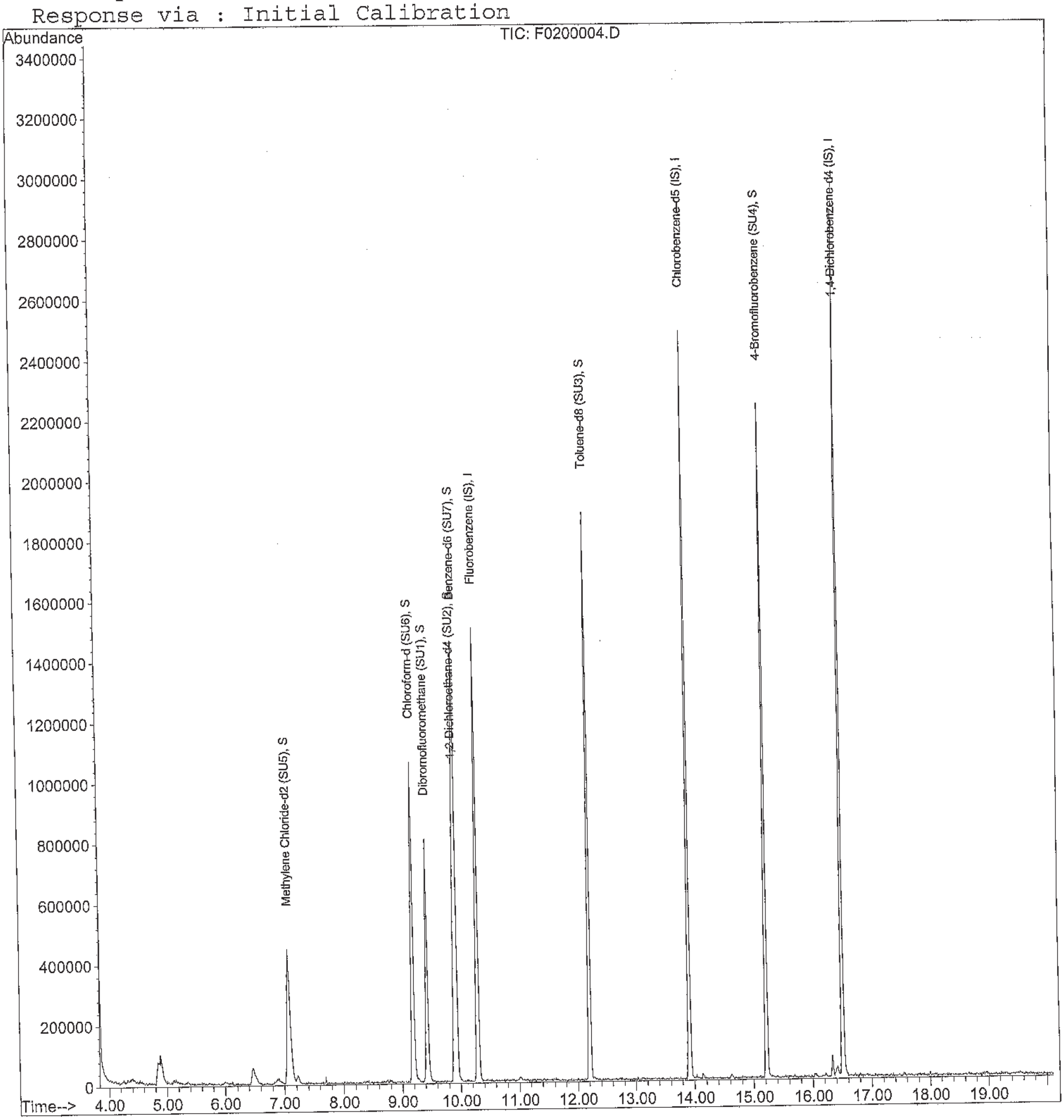
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : C:\HPCHEM\1\DATA\060214L3\F0200004.D          Vial: 3
Acq On    :  2 Jun 2014   1:21 pm                       Operator: DN
Sample    : 3F40201-03                                  Inst    : GC/MS Ins
Misc      : 100cc  SVL-528-SA8-SV-11.0-12.0             Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun  3  7:36 19114                 Quant Results File: SS072713.RES

Method          : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title           : 8260B    GC/MS #3   ICAL SSSF 07/27/13  DN
Last Update     : Mon Nov 18 10:31:39 2013
Response via    : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200005.D Vial: 4
Acq On : 2 Jun 2014 1:50 pm Operator: DN
Sample : 3F40201-04 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-18.5-19.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 14:18 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AK

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.30	96	1249356	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1155970	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	626548	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.43	113	387681m	12.44 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	99.52%	
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	347766m	11.74 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.92%	
39) Toluene-d8 (SU3)	12.20	98	1220977	11.32 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.56%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	552359m	11.68 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	93.44%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	337	0.11 ~~ug/L~~ # NSM	44
4) Chloromethane	4.39	50	3615	0.50 ~~ug/L~~ #	64
5) Vinyl Chloride	4.51	62	276	0.13 ~~ug/L~~ #	1
6) Bromomethane	5.11	96	3887	1.05 ~~ug/L~~ #	1
7) Chloroethane	5.35	64	836	1.49 ~~ug/L~~	88
10) 1,1-Dichloroethene	6.54	96	297	0.10 ~~ug/L~~ #	25
11) Acetone	6.47	58	7582	11.35 ~~ug/L~~ # NT	53
12) (IPA) Leak Check Compound	6.49	45	122248	814.29 ug/L # NSM	93
13) Carbon disulfide	6.84	76	1405	0.14 ~~ug/L~~ #	49
14) Methylene Chloride	7.07	84	4172	1.22 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.93	59	938	4.40 ~~ug/L~~ # NT	25
16) (MTBE) Methyl-t-butyl ethe	7.21	73	323	0.05 ~~ug/L~~ # NSM	1
18) 1,1-Dichloroethane	8.05	63	282	0.05 ~~ug/L~~ #	1
19) cis-1,2-Dichloroethene	8.75	96	264	0.07 ~~ug/L~~ #	48
20) 2,2-Dichloropropane	8.83	77	367	0.07 ~~ug/L~~ #	36
21) (MEK) 2-Butanone	8.79	72	396	1.13 ~~ug/L~~ # NSM	1
22) (DIPE) Diisopropyl Ether	8.10	45	328	0.03 ~~ug/L~~ #	1
24) Chloroform	9.21	83	3380	0.52 ~~ug/L~~ #	51
25) (ETBE) 2-ethoxy 2-methyl p	8.50	59	264	0.03 ~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.92	75	664	0.14 ~~ug/L~~ #	1
31) Benzene	9.92	78	12822	1.09 ~~ug/L~~ #	79
32) 1,2-Dichloroethane	9.93	62	12662	3.04 ~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\060214L3\F0200005.D Vial: 4
Acq On : 2 Jun 2014 1:50 pm Operator: DN
Sample : 3F40201-04 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-18.5-19.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 14:18 19114 Quant Results File: MW111313.RES

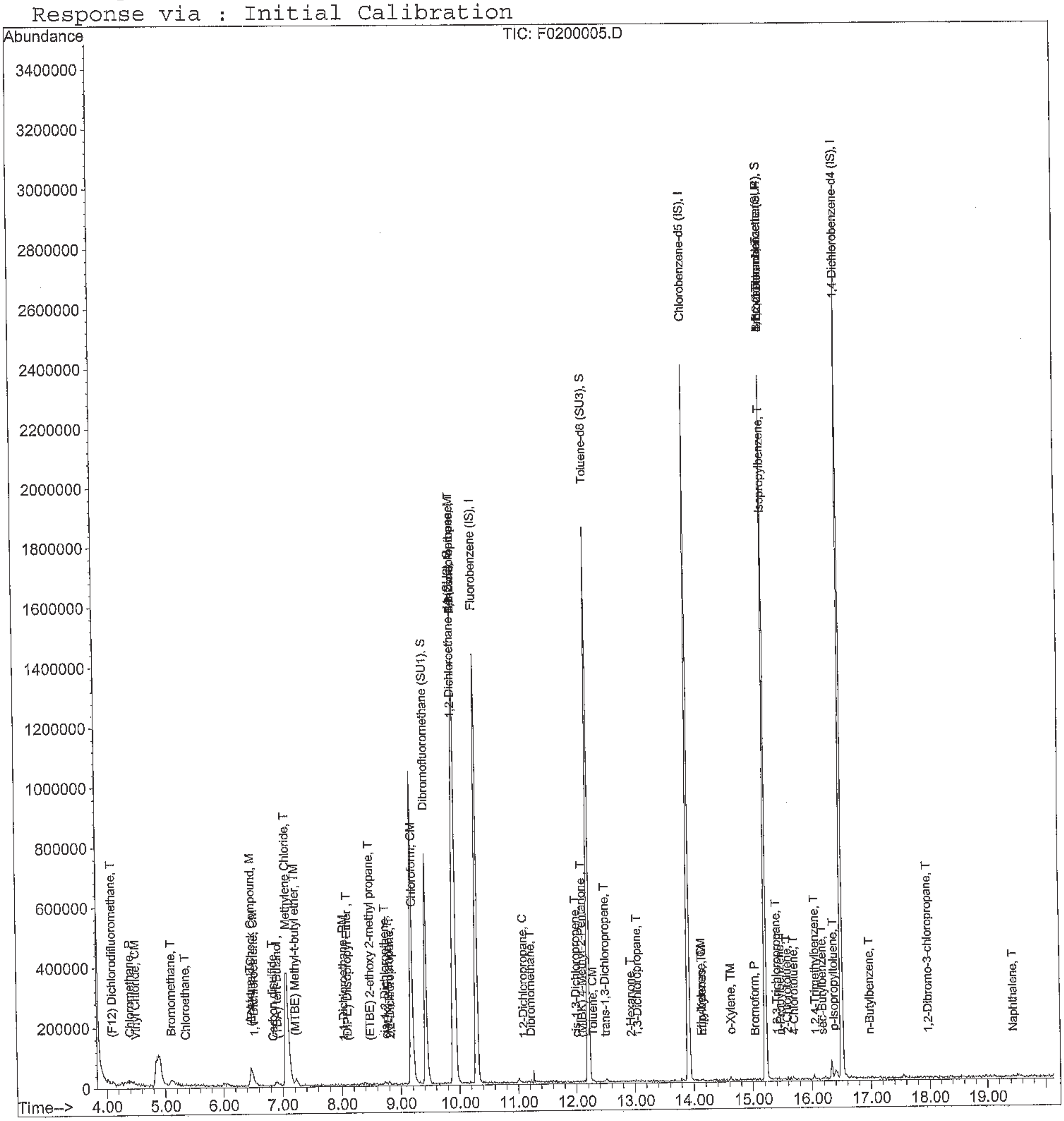
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34)	1,2-Dichloropropane	11.09	63	299	0.11	~~ug/L~~ # NSM	39
35)	Dibromomethane	11.22	93	268	0.12	~~ug/L~~ #	5
37)	cis-1,3-Dichloropropene	12.00	75	273	0.06	~~ug/L~~ #	1
40)	(MIBK) 4-Methyl-2-Pentanon	12.10	43	504	0.22	~~ug/L~~ #	100
41)	Toluene	12.29	91	1541	0.10	ug/L # 0.0027	74
42)	trans-1,3-Dichloropropene	12.49	75	259	0.05	~~ug/L~~ # MMI	1
45)	1,3-Dichloropropane	13.06	76	257	0.05	~~ug/L~~ #	1
46)	2-Hexanone	12.95	43	417	0.16	~~ug/L~~ #	64
51)	Ethylbenzene	14.13	91	2396	0.13	~~ug/L~~ WRT	~~95~~
52)	m,p-Xylenes	14.15	106	1456	0.23	ug/L 0.0046	65
53)	o-Xylene	14.64	106	258	0.04	~~ug/L~~ NSM	72
54)	Styrene	14.63	104	2536	-0.59	~~ug/L~~ #	80
55)	Bromoform	15.05	173	273	0.12	~~ug/L~~ #	42
56)	Isopropylbenzene	15.24	105	1646	0.10	~~ug/L~~ # NSM	1
57)	1,2,3-Trichloropropane	15.41	75	391	0.08	~~ug/L~~ #	36
60)	1,1,2,2-Tetrachloroethane	15.22	83	475	0.11	~~ug/L~~ # NSM	18
61)	Bromobenzene	15.22	156	397	0.08	~~ug/L~~ #	1
62)	n-Propylbenzene	15.47	91	470	0.02	~~ug/L~~ #	56
63)	2-Chlorotoluene	15.60	91	561	0.04	~~ug/L~~ #	45
65)	4-Chlorotoluene	15.71	91	606	0.04	~~ug/L~~ #	44
67)	1,2,4-Trimethylbenzene	16.07	105	516	0.03	~~ug/L~~ #	33
68)	sec-Butylbenzene	16.19	105	271	0.01	~~ug/L~~ # NSM	62
69)	p-Isopropyltoluene	16.37	119	438	0.03	~~ug/L~~ #	52
72)	n-Butylbenzene	16.98	91	307	0.02	~~ug/L~~ #	30
74)	1,2-Dibromo-3-chloropropan	17.97	75	334	1.34	~~ug/L~~ #	6
77)	Naphthalene	19.45	128	257	0.02	~~ug/L~~	100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\060214L3\F0200005.D Vial: 4
Acq On : 2 Jun 2014 1:50 pm Operator: DN
Sample : 3F40201-04 Inst : GC/MS Ins
Misc : 100cc SVL-528-SA8-SV-18.5-19.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Jun 2 14:18 19114 Quant Results File: MW111313.RES

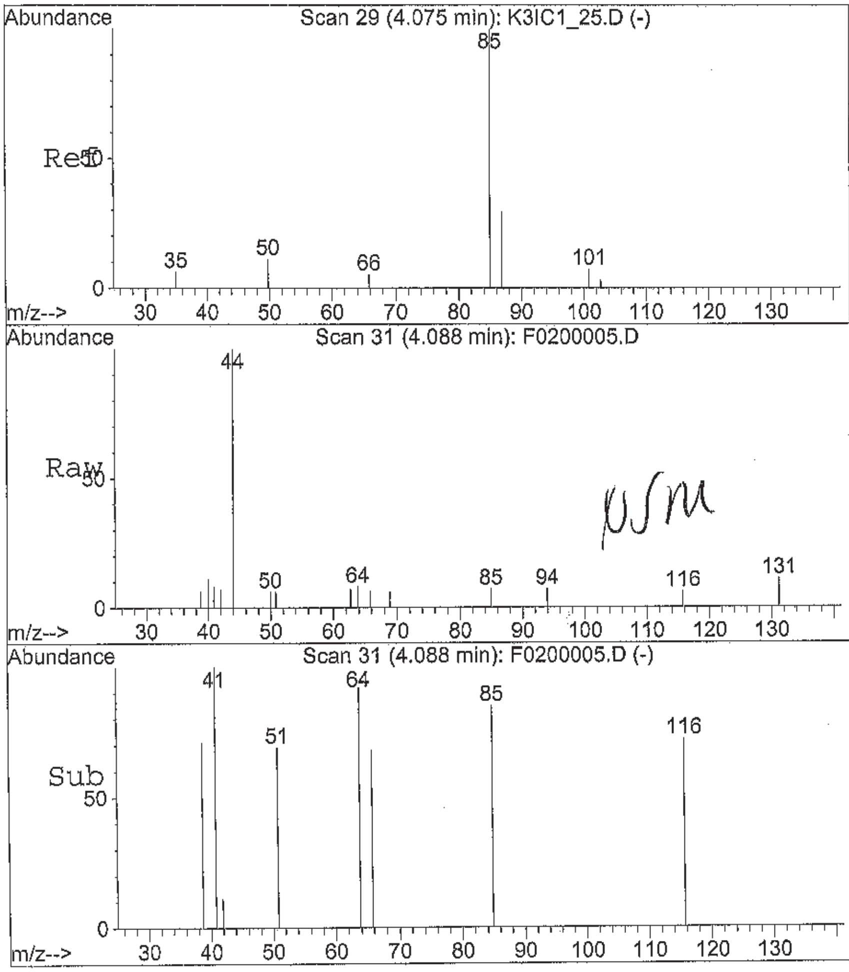
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

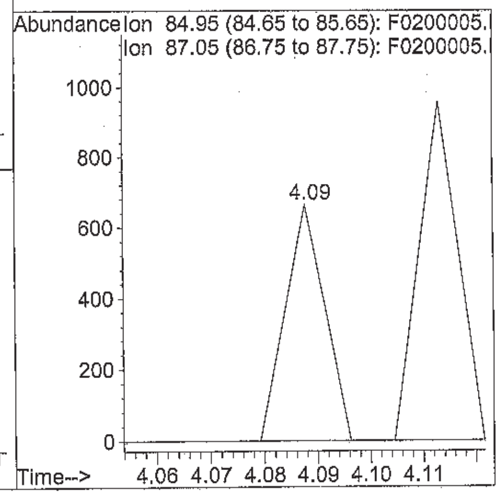


#3
(F12) Dichlorodifluoromethane
Concen: 0.11 ug/L
RT: 4.09 min Scan# 31
Delta R.T. 0.01 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 85 Resp: 337

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

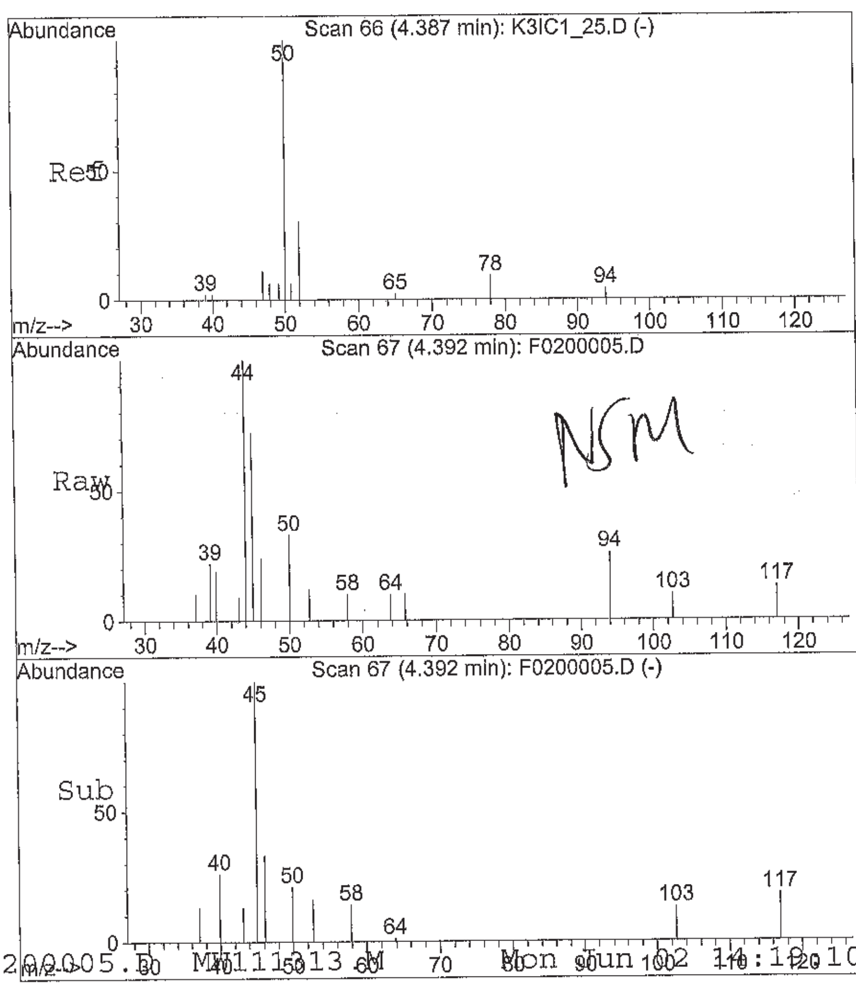


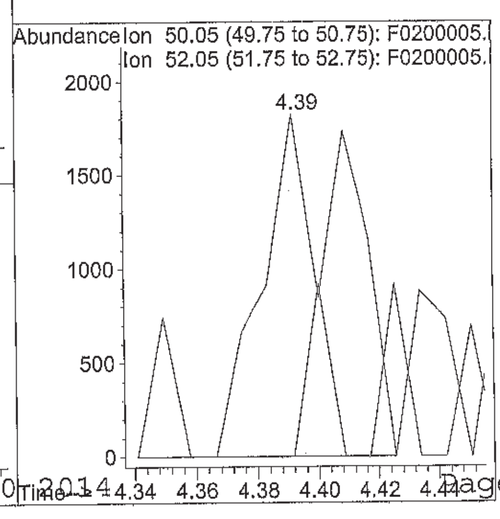


#4
Chloromethane
Concen: 0.50 ug/L
RT: 4.39 min Scan# 67
Delta R.T. 0.00 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 50 Resp: 3615

Ion	Ratio	Lower	Upper
50	100		
52	12.9	26.9	40.3#

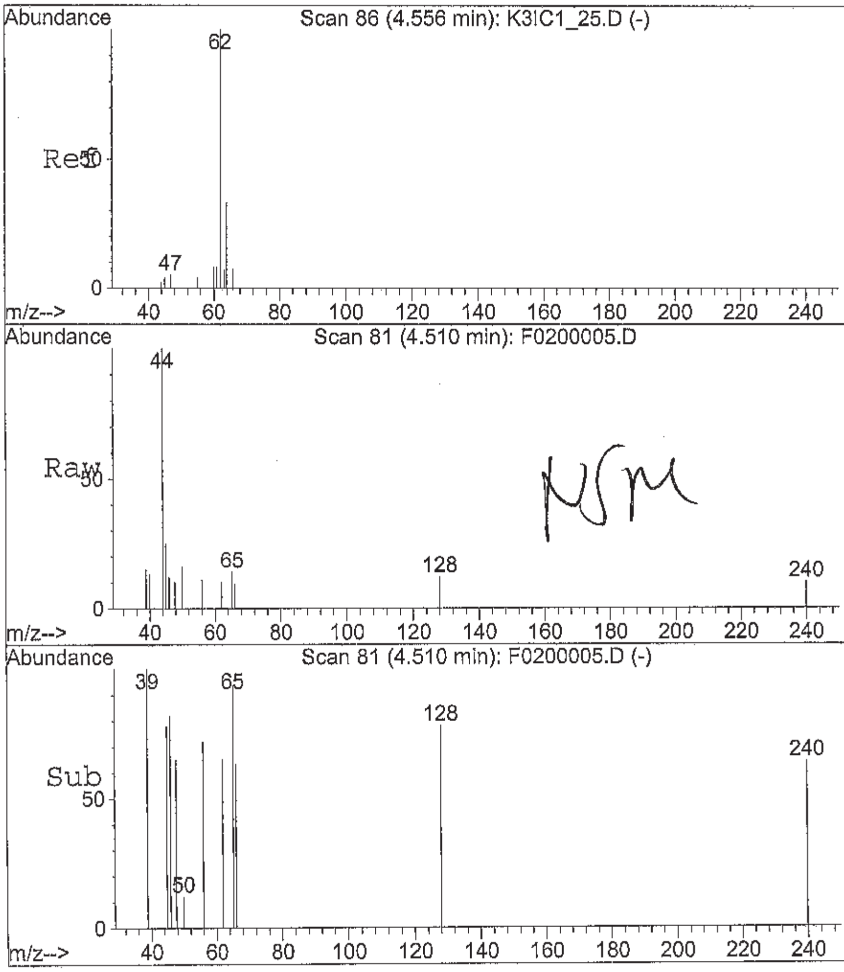


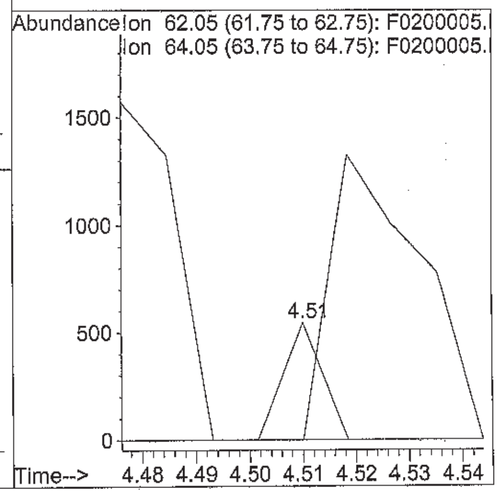


#5
Vinyl Chloride
Concen: 0.13 ug/L
RT: 4.51 min   Scan# 81
Delta R.T.   -0.05 min
Lab File: F0200005.D
Acq: 2 Jun 2014   1:50 pm

Tgt Ion: 62 Resp: 276

Ion	Ratio	Lower	Upper
62	100		
64	570.7	25.6	38.4#

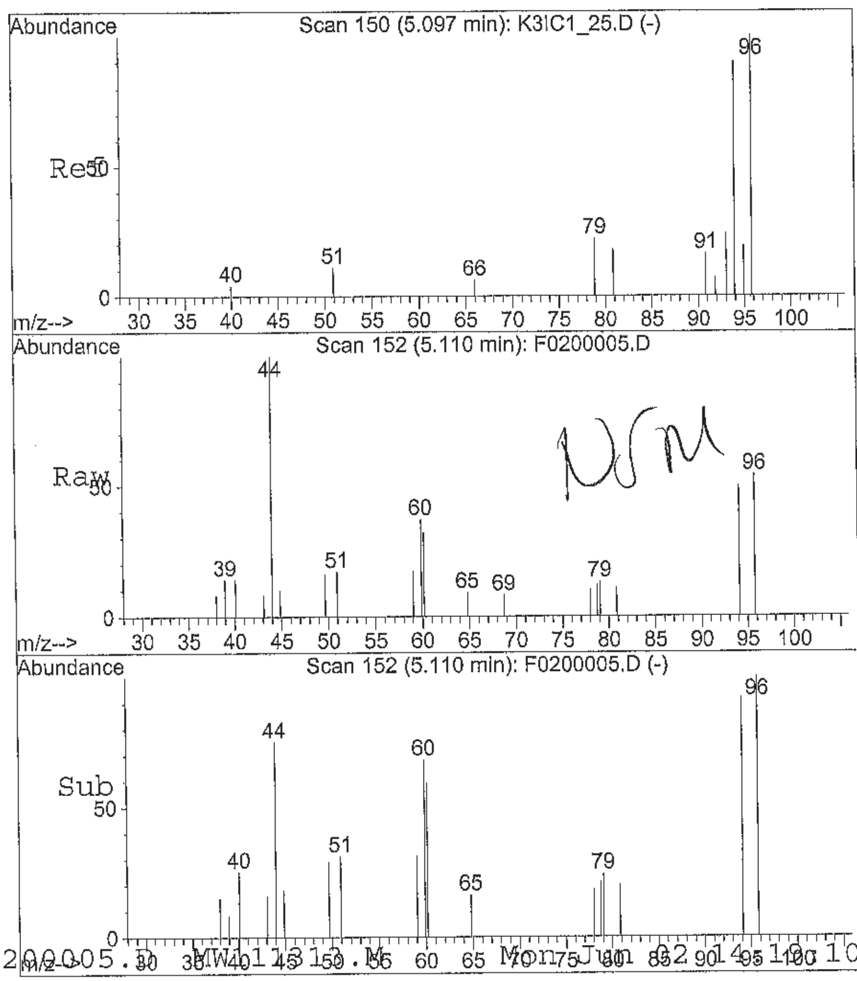


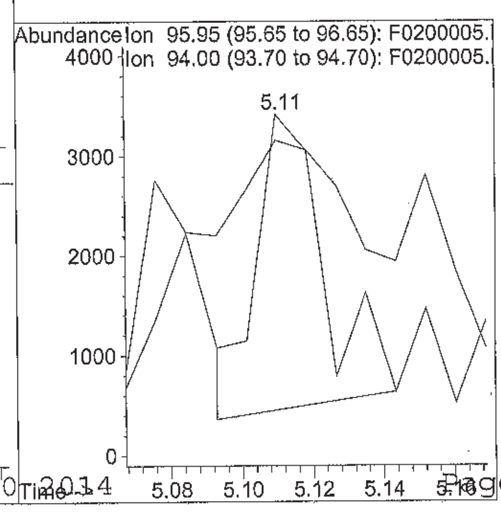


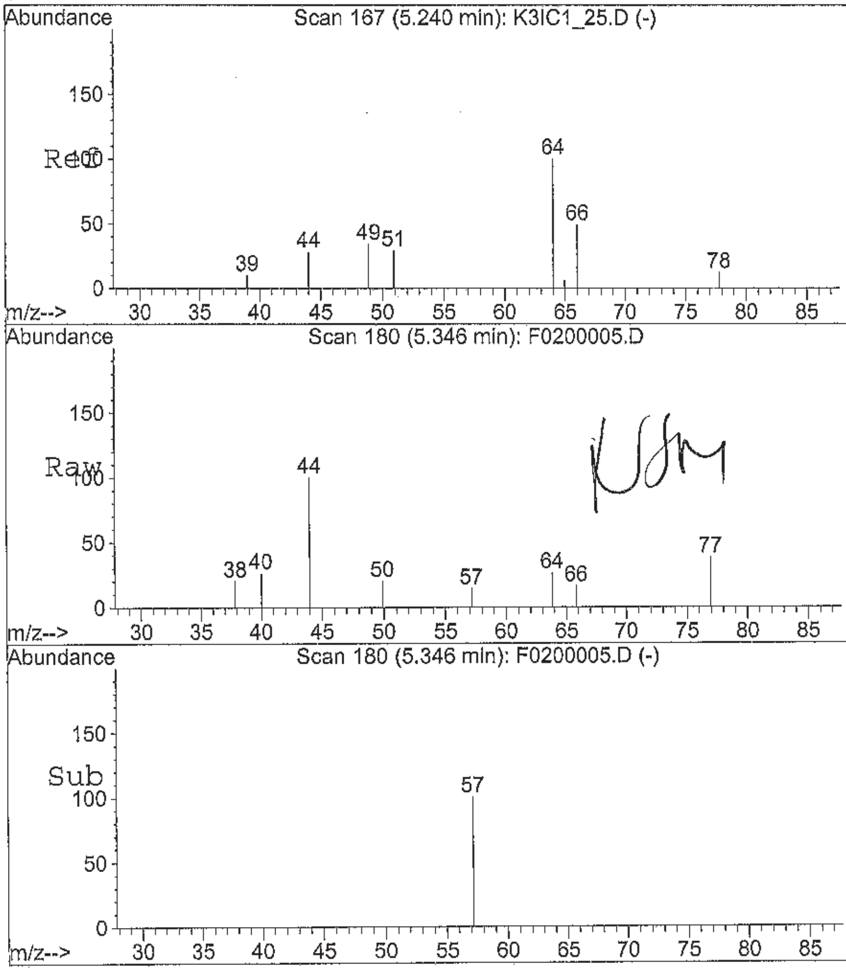
#6
Bromomethane
Concen: 1.05 ug/L
RT: 5.11 min   Scan# 152
Delta R.T.   0.01 min
Lab File: F0200005.D
Acq: 2 Jun 2014   1:50 pm

Tgt Ion: 96 Resp: 3887

Ion	Ratio	Lower	Upper
96	100		
94	335.3	101.0	151.4#



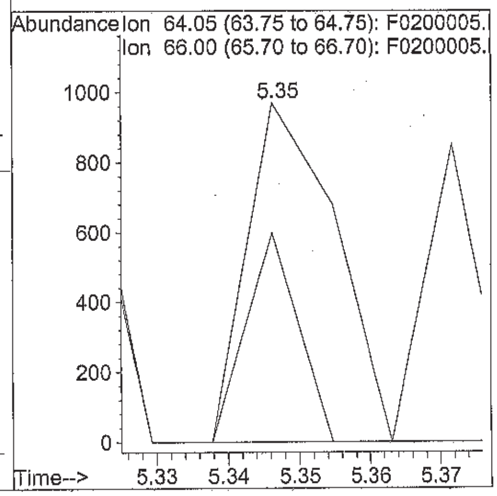


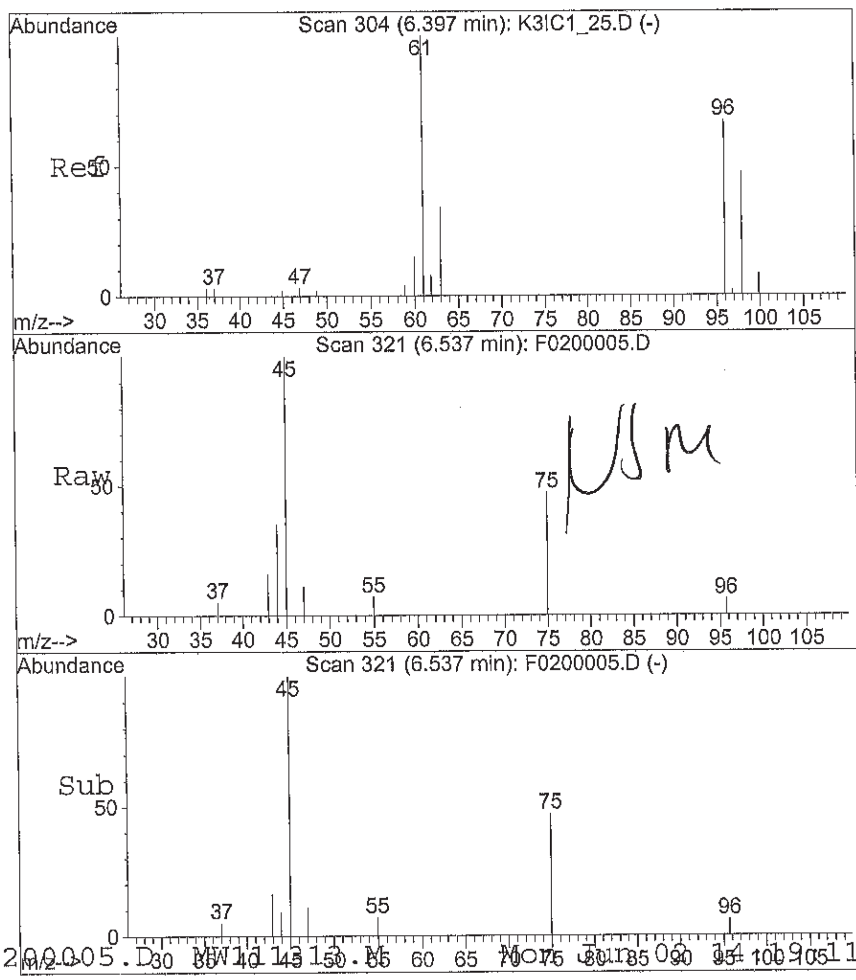


#7
Chloroethane
Concen: 1.49 ug/L
RT: 5.35 min Scan# 180
Delta R.T. 0.11 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 64 Resp: 836

Ion	Ratio	Lower	Upper
64	100		
66	36.2	35.4	53.0

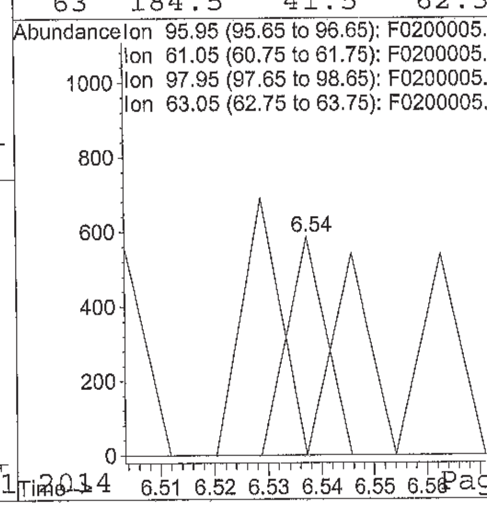




#10
1,1-Dichloroethene
Concen: 0.10 ug/L
RT: 6.54 min Scan# 321
Delta R.T. 0.14 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 96 Resp: 297

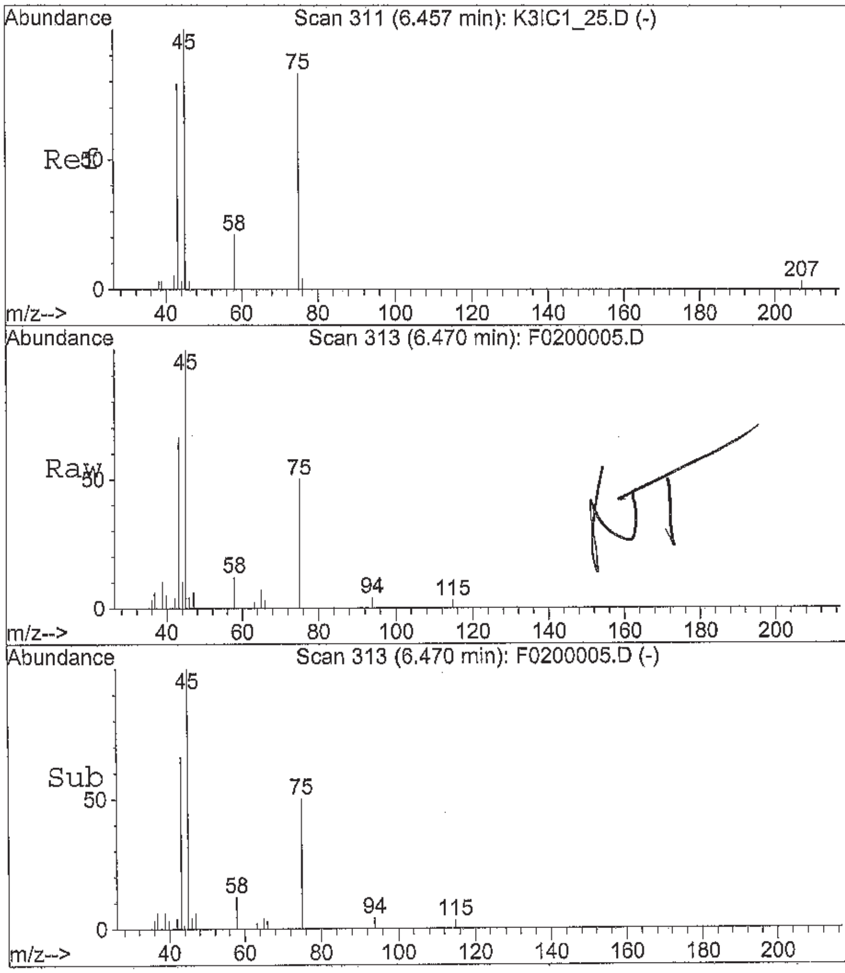
Ion	Ratio	Lower	Upper
96	100		
61	117.8	130.0	195.0#
98	0.0	56.2	84.4#
63	184.5	41.5	62.3#

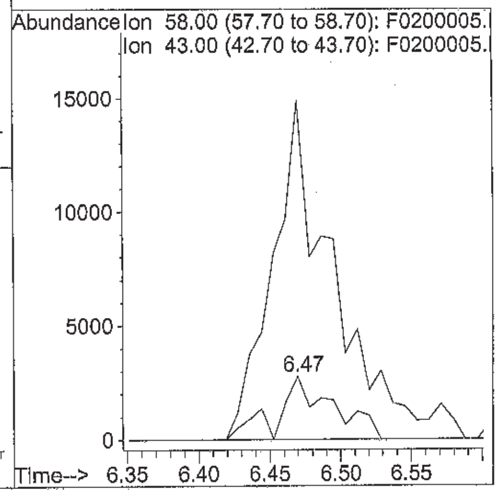


#11
Acetone
Concen: 11.35 ug/L
RT: 6.47 min   Scan# 313
Delta R.T.   0.01 min
Lab File: F0200005.D
Acq: 2 Jun 2014   1:50 pm

Tgt Ion: 58 Resp: 7582

Ion	Ratio	Lower	Upper
58	100		
43	572.8	360.9	541.3#

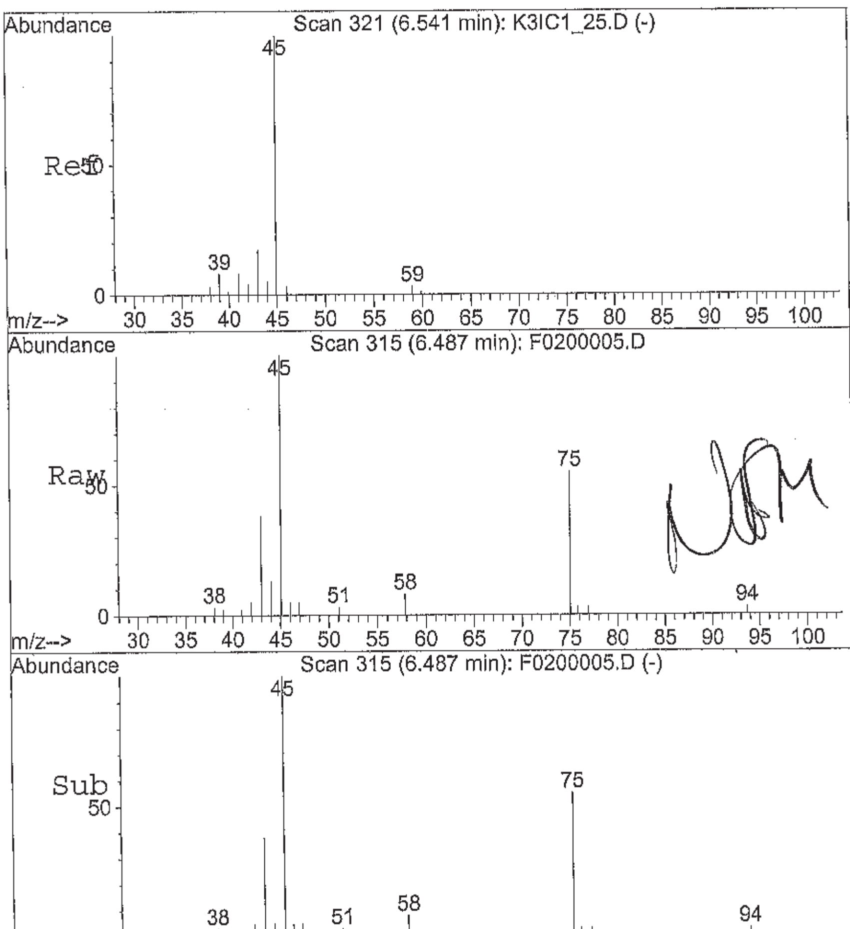


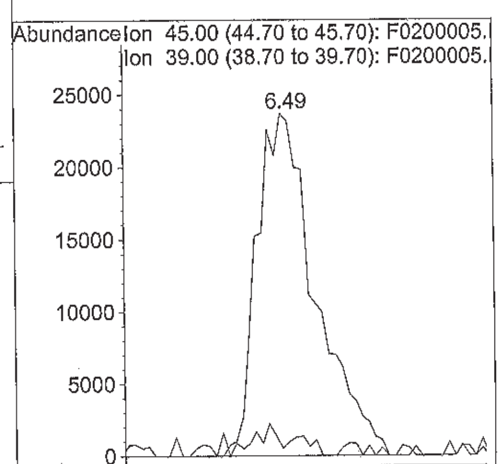


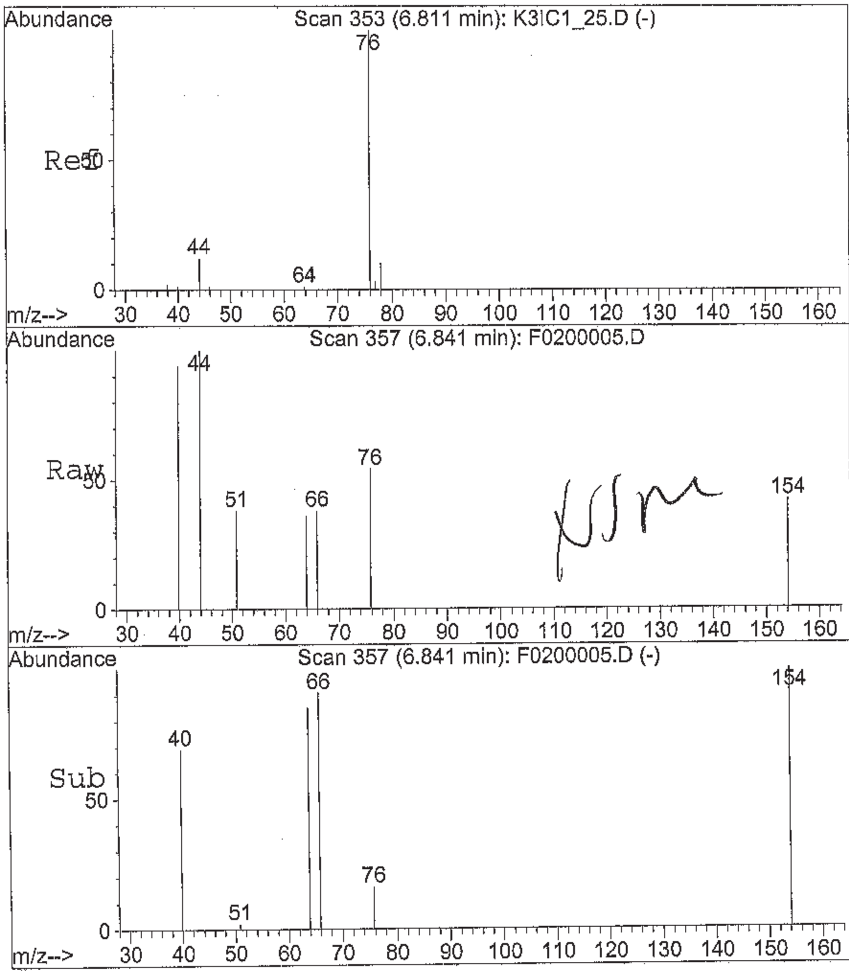
#12
(IPA) Leak Check Compound
Concen: 814.29 ug/L
RT: 6.49 min   Scan# 315
Delta R.T.   -0.05 min
Lab File: F0200005.D
Acq: 2 Jun 2014   1:50 pm

Tgt Ion: 45 Resp: 122248

Ion	Ratio	Lower	Upper
45	100		
39	3.7	4.9	7.3#



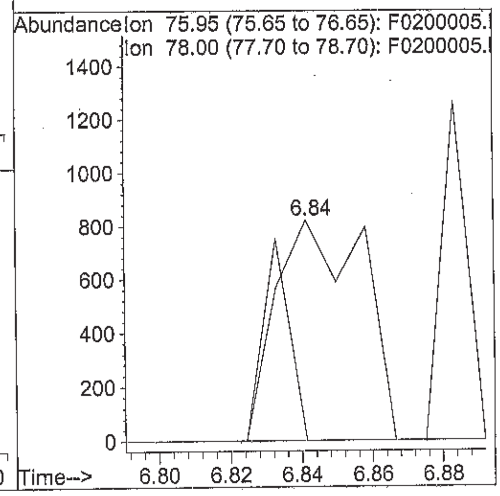


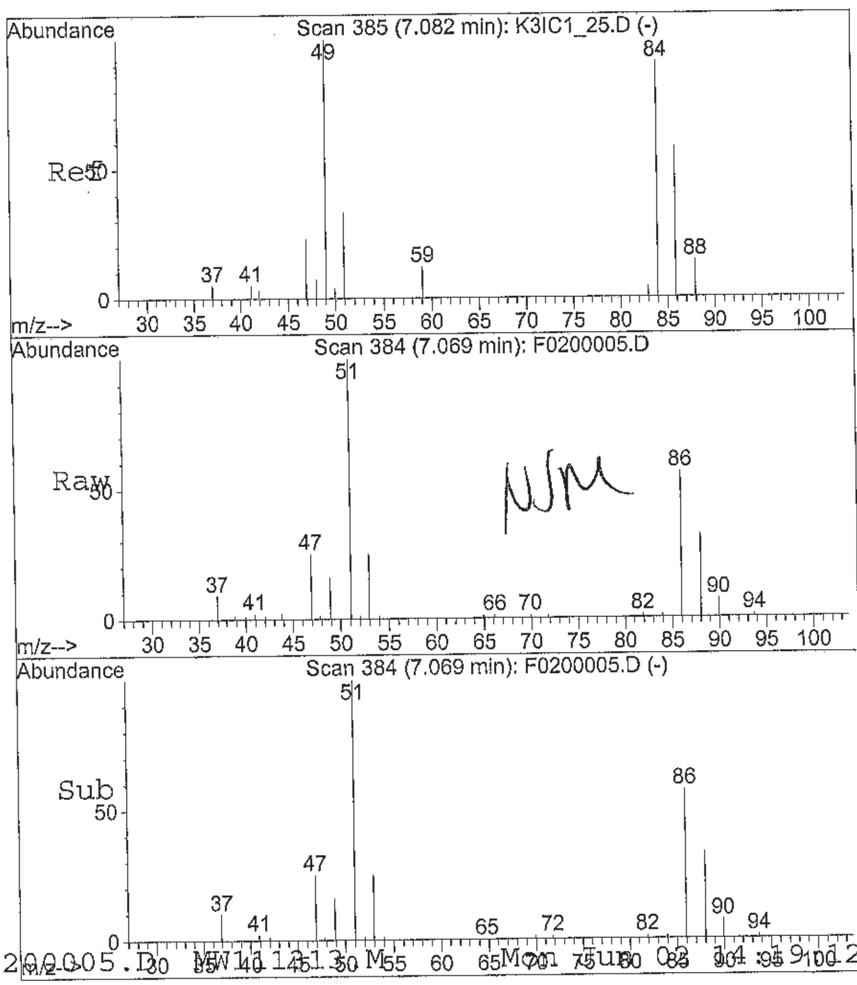


#13
Carbon disulfide
Concen: 0.14 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 76 Resp: 1405

Ion	Ratio	Lower	Upper
76	100		
78	27.1	7.0	10.4#

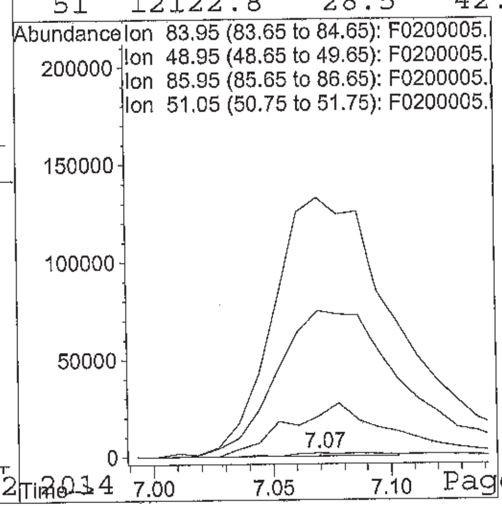


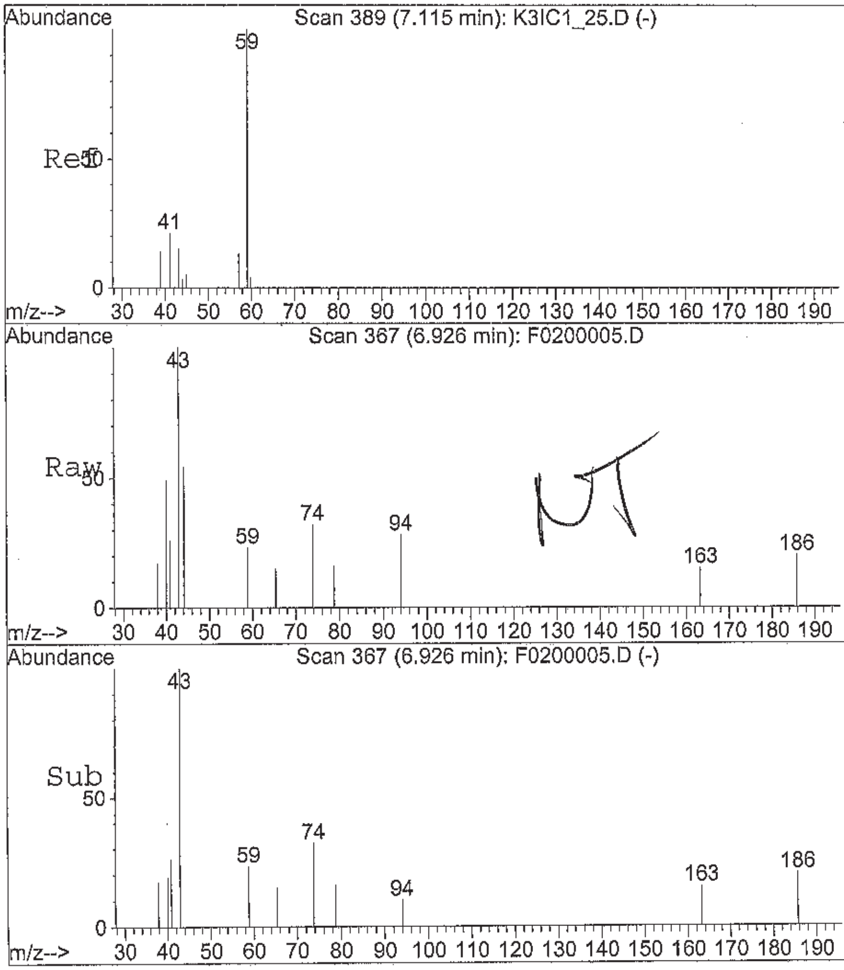


#14
Methylene Chloride
Concen: 1.22 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 84 Resp: 4172

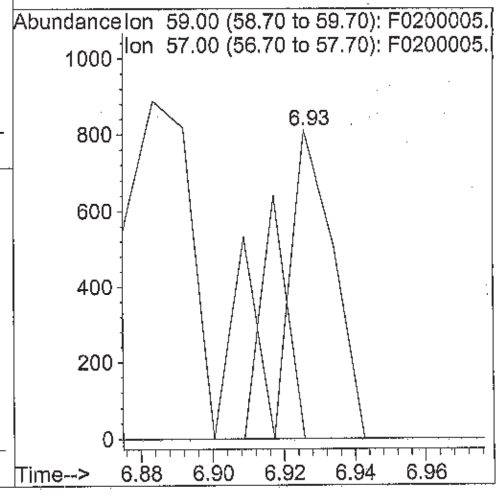
Ion	Ratio	Lower	Upper
84	100		
49	2072.1	89.8	134.6#
86	6941.9	51.1	76.7#
51	12122.8	28.5	42.7#

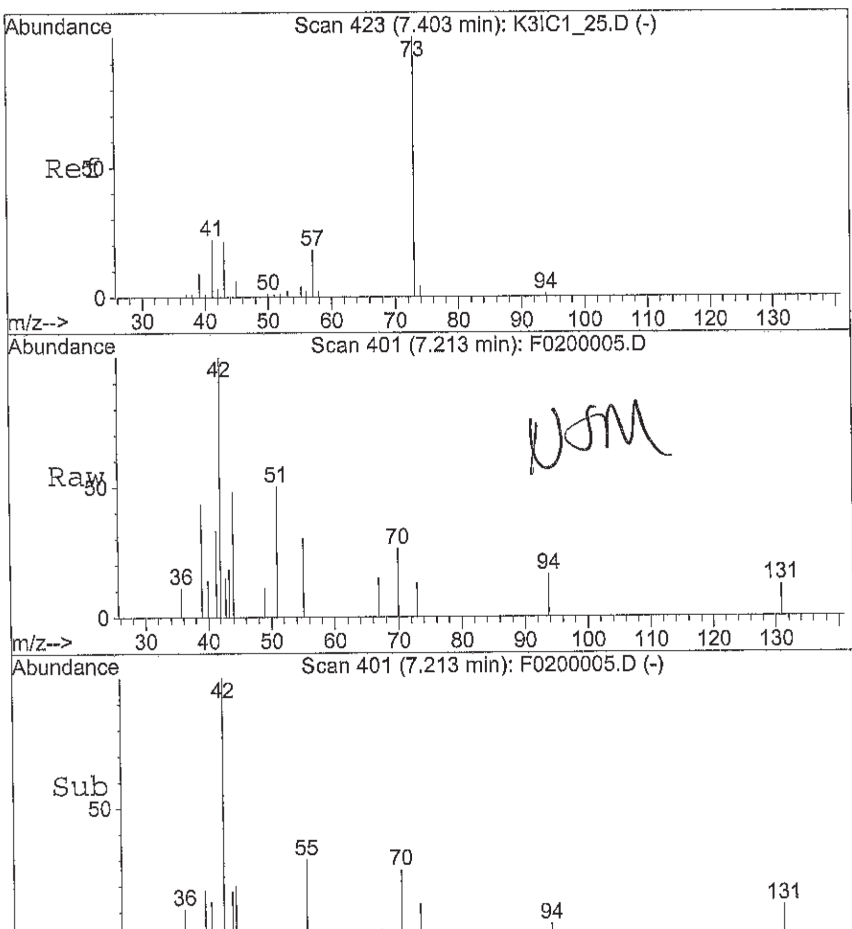




#15
(TBA) tert-Butanol
Concen: 4.40 ug/L
RT: 6.93 min Scan# 367
Delta R.T. -0.19 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

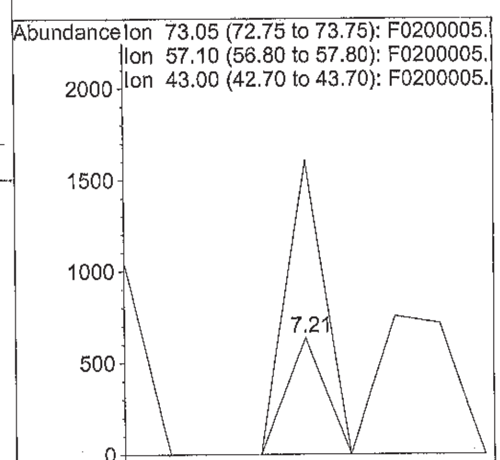
Tgt Ion: 59	Resp:		938
Ion	Ratio	Lower	Upper
59	100		
57	34.5	6.4	9.6#

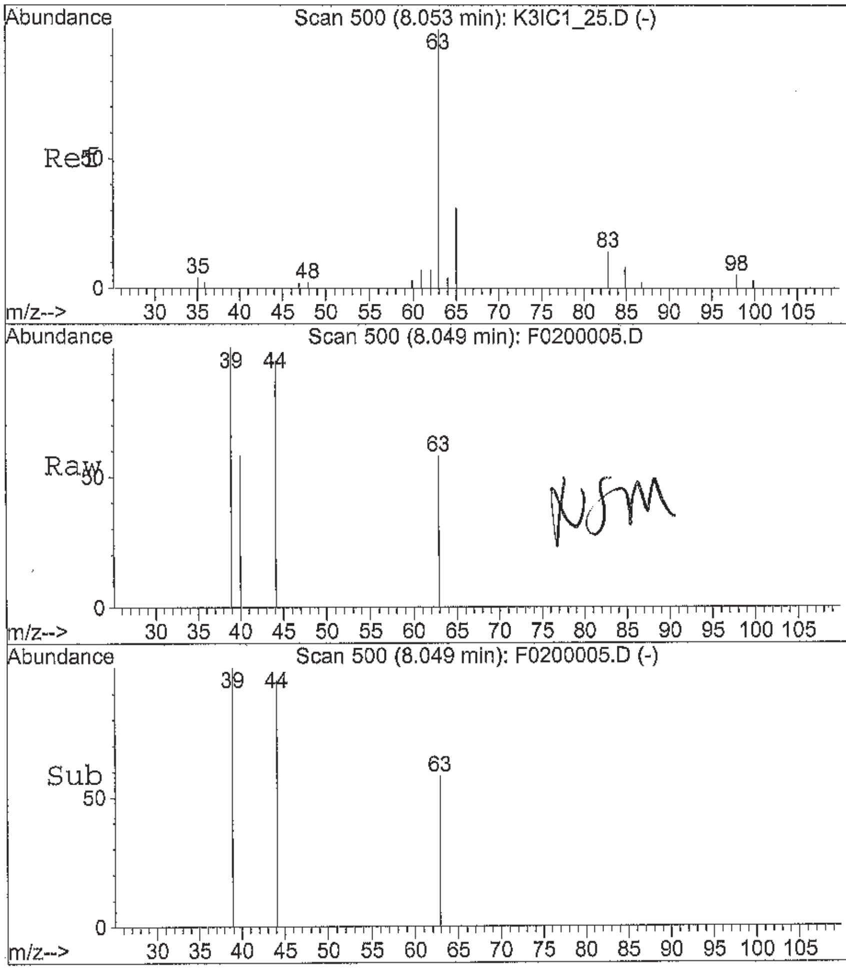




#16
(MTBE) Methyl-t-butyl ether
Concen: 0.05 ug/L
RT: 7.21 min Scan# 401
Delta R.T. -0.19 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 73	Resp:		323
Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.8	23.8#
43	481.7	18.4	27.6#

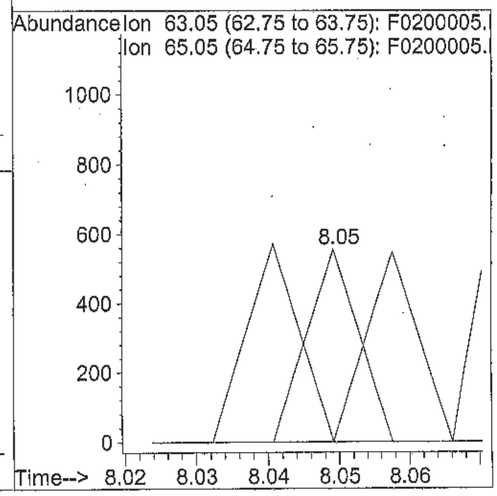


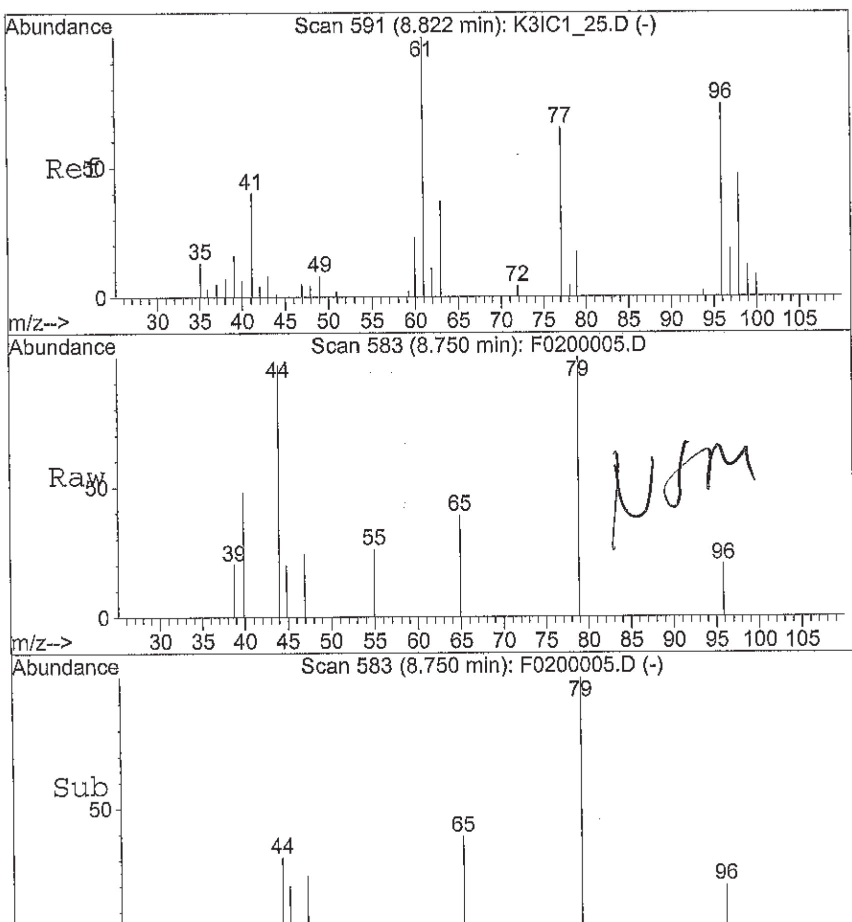


#18
1,1-Dichloroethane
Concen: 0.05 ug/L
RT: 8.05 min Scan# 500
Delta R.T. -0.00 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 63 Resp: 282

Ion	Ratio	Lower	Upper
63	100		
65	201.1	25.8	38.8#

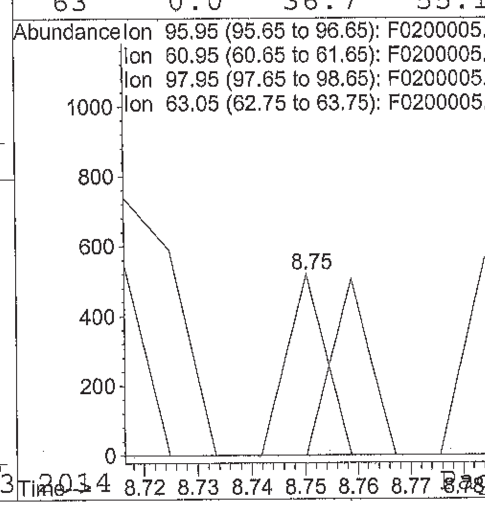


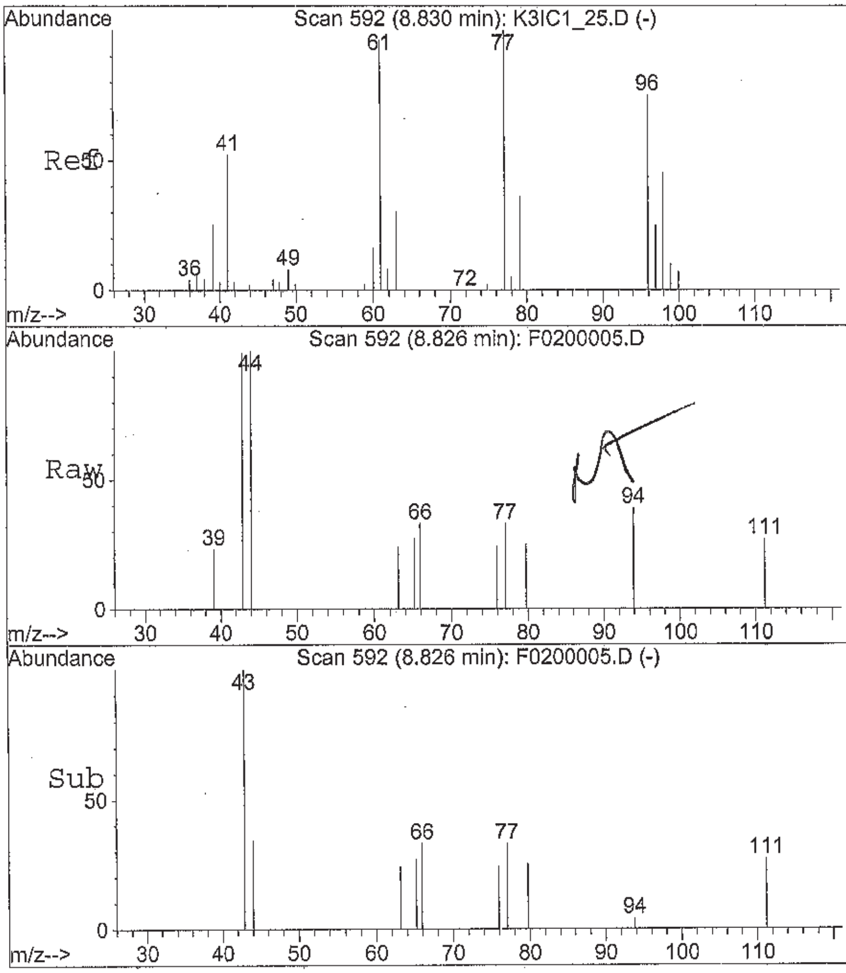


#19
cis-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 8.75 min Scan# 583
Delta R.T. -0.07 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 96 Resp: 264

Ion	Ratio	Lower	Upper
96	100		
61	97.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

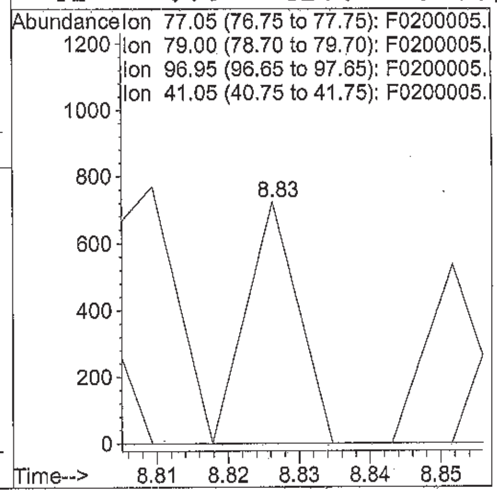


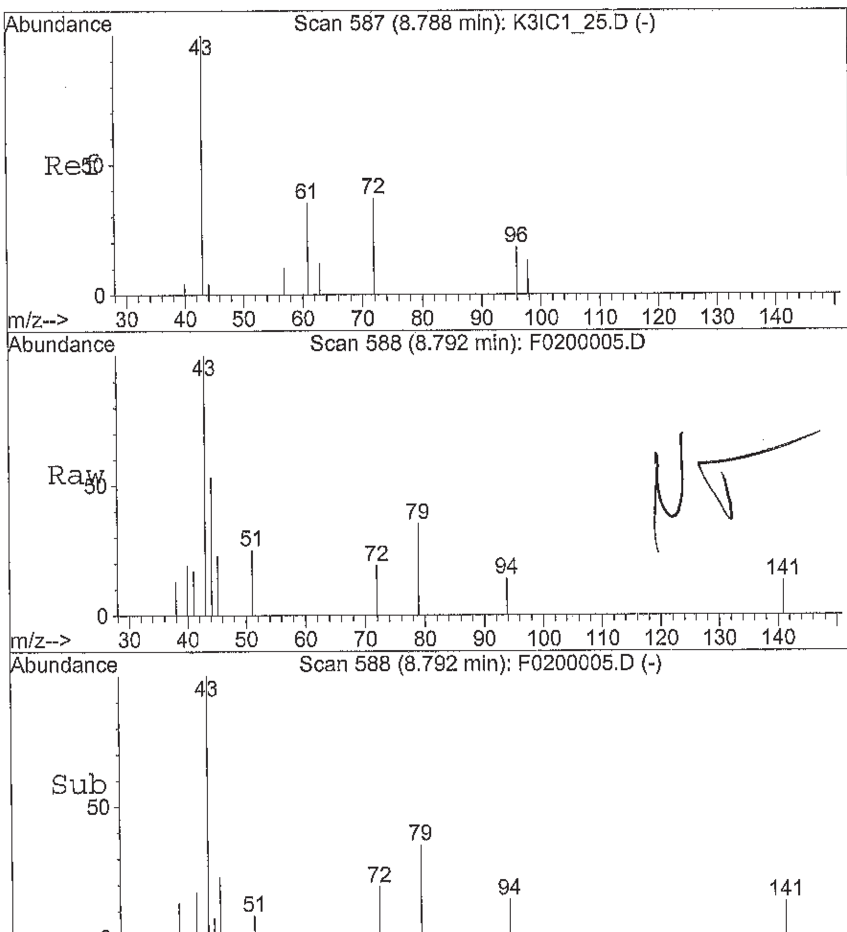


#20
2,2-Dichloropropane
Concen: 0.07 ug/L
RT: 8.83 min Scan# 592
Delta R.T. -0.00 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 77 Resp: 367

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#





#21
(MEK) 2-Butanone
Concen: 1.13 ug/L
RT: 8.79 min Scan# 588
Delta R.T. 0.00 min
Lab File: F0200005.D
Acq: 2 Jun 2014 1:50 pm

Tgt Ion: 72 Resp: 396

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	2774.7	314.2	471.2#