Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040819\

Quantitation Report (Not Reviewed)

Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Time: Apr 10 12:15:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 08:15:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	516394	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345899	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.86	152	68156	25.00	ug/L	0.30
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	141756	20.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.92%			
7) Chloroethane-d5	2.89	69	129014	20.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.36%			
10) 1,1-Dichloroethene-d2	4.01	63	245074	16.86	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 67.44%			
20) 2-Butanone-d5	7.07	46	130006	59.25	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.50%			
24) Chloroform-d	7.65	84	347901	24.69	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.76%			
26) 1,2-Dichloroethane-d4	8.31	65	218691	25.28	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.12%			
29) Benzene-d6	8.27	84	641001	35.30	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 141.20%#			
33) 1,2-Dichloropropane-d6	9.27	67	209649	37.38	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 149.52%#			
37) Toluene-d8	10.32	98	489991	29.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 116.76%			
38) trans-1,3-Dichloropropene-	10.58	79	81817	30.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 122.36%			
39) 2-Hexanone-d5	10.93	63	87132	82.43	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 164.86%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131773	25.27	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 101.08%			
61) 1,2-Dichlorobenzene-d4	13.86	152	79120	33.08	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 132.32%#			
Target Compounds						Qvalue
5) Vinyl chloride	2.36	62	194007	21.515	ug/L	99
9) Trichlorofluoromethane	3.26	101	9571	1.730	ug/L	97
13) Acetone	4.12	43	158058	67.236	ug/L	97
14) Carbon disulfide	4.37	76	24799	1.163	ug/L	99
16) Methylene chloride	4.92	84	21134	2.321	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	35749	3.784	ug/L #	1
21) 2-Butanone	7.17	43	47244	15.802	ug/L	97
30) Cyclohexane	7.95	56	176923	21.671	ug/L #	83
34) Benzene	8.32	78	596212	28.649	ug/L	100
36) Methylcyclohexane	9.34	83	155412	17.356	ug/L #	82
40) 1,2-Dichloropropane	9.37	63	11646	2.186	ug/L	97
41) Bromodichloromethane	9.62	83	4059	0.552	ug/L #	33
43) 4-Methyl-2-pentanone	10.21	43	96828	23.399	ug/L	97
44) Toluene	10.39	91	1929917	87.540	ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	4137	0.581	ug/L #	65
49) 2-Hexanone	10.94	43	74454	24.164	ug/L #	53
52) Chlorobenzene	11.65	112	13356	0.941	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040819\

Quantitation Report (Not Reviewed)

Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Time: Apr 10 12:15:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 08:15:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) Ethylbenzene	11.73	91	4670462	185.975	ug/L		100
54) m,p-Xylene	11.84	106	4382110	471.773	ug/L		96
55) o-xylene	12.16	106	1833717	207.282	ug/L		98
56) Styrene	12.17	104	130365	8.493	ug/L	#	1
57) Isopropylbenzene	12.47	105	528979	21.837	ug/L		99
64) 1,4-Dichlorobenzene	13.58	146	2425	0.539	ug/L	#	71
66) 1,2-Dibromo-3-chloropropan	14.46	75	10096	25.714	ug/L	#	6
69) Naphthalene	15.37	128	473984	93.870	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

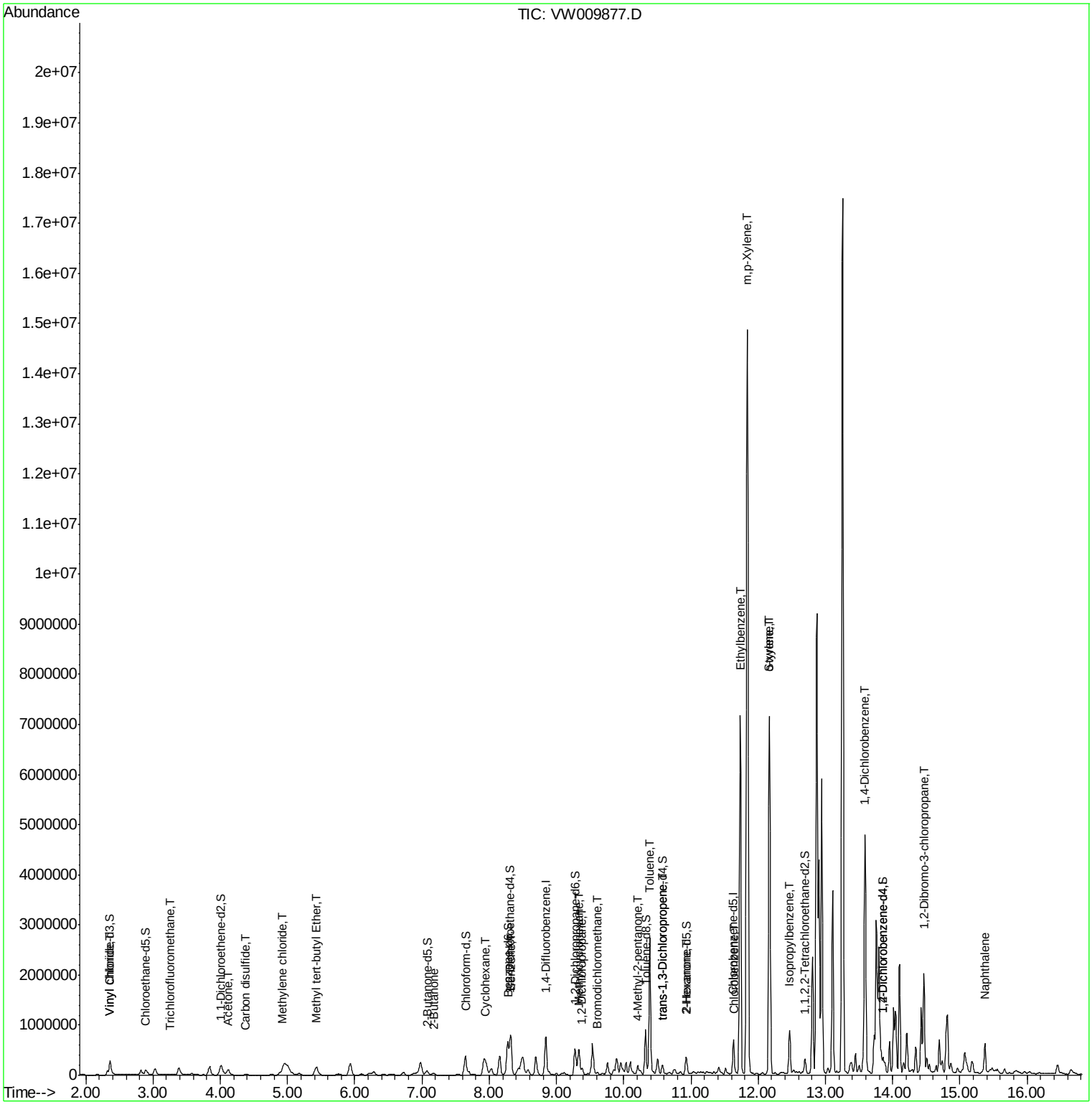
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040819\

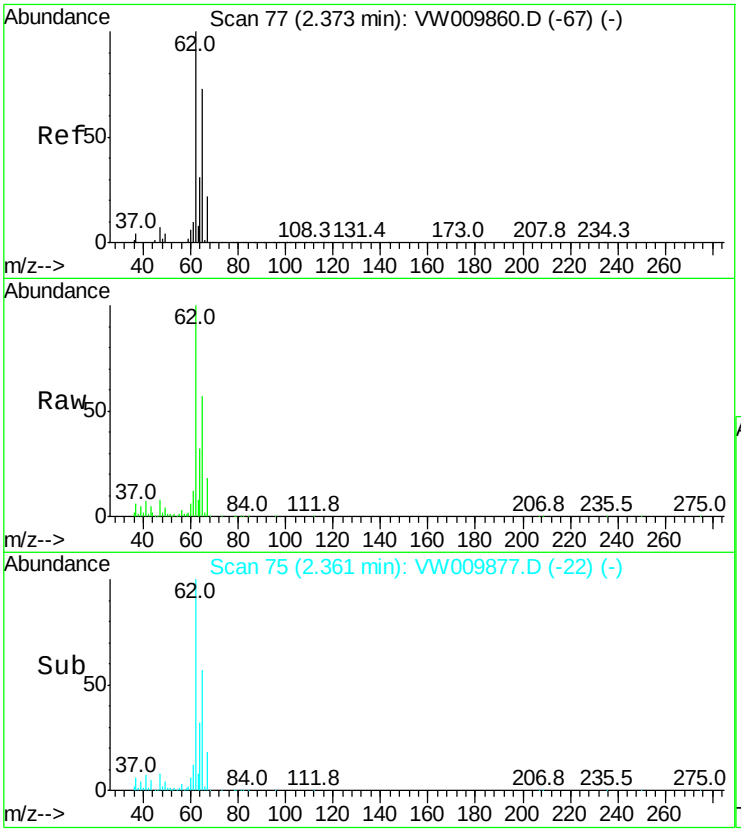
Quantitation Report (Not Reviewed)

Data File : VW009877.D
Acq On : 10 Apr 2019 11:55
Operator : SY/VA
Sample : K2254-22
Misc : 4.97G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFC68

Quant Time: Apr 10 12:15:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 08:15:04 2019
Response via : Initial Calibration



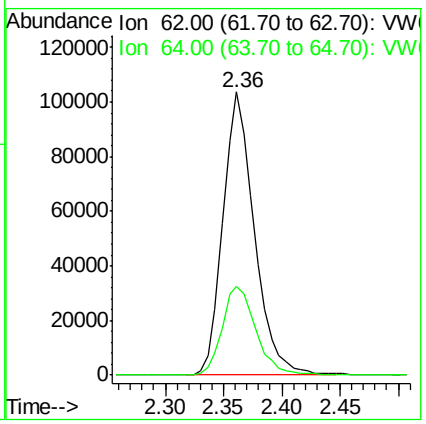


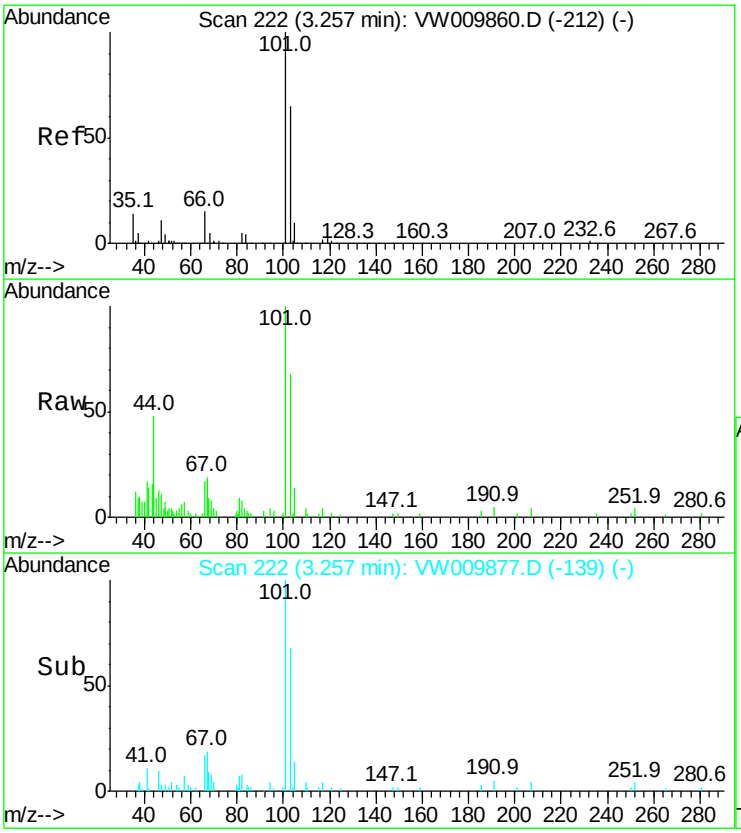
#5
Vinyl chloride
Concen: 21.515 ug/L
RT: 2.36 min Scan# 75
Delta R.T. -0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion: 62 Resp: 194007

Ion	Ratio	Lower	Upper
62	100		
64	31.5	21.8	40.6

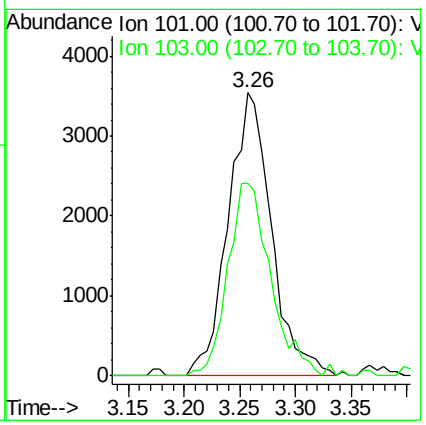


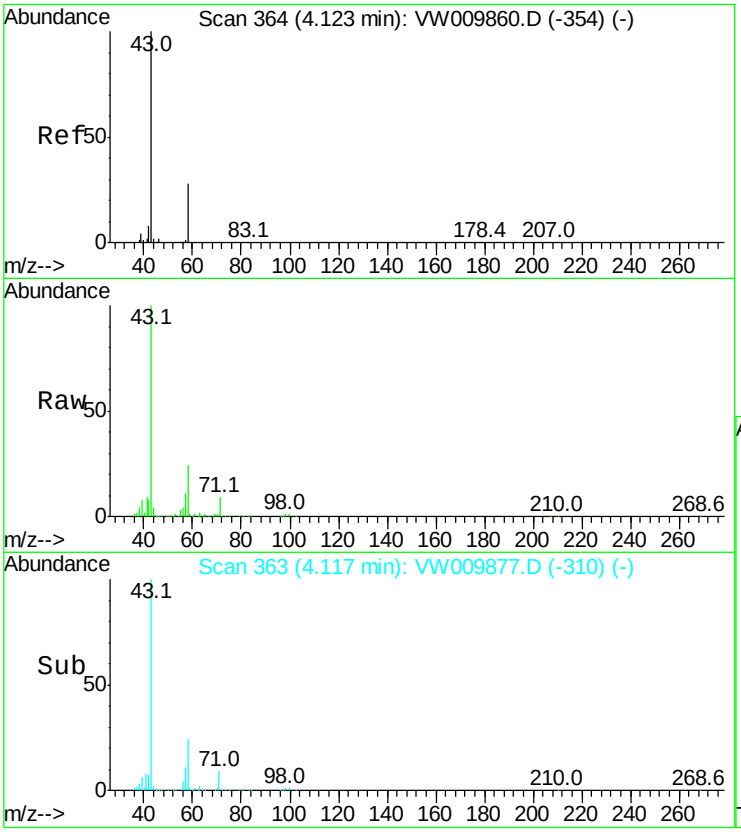


#9
Trichlorofluoromethane
Concen: 1.730 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion:101 Resp: 9571

Ion	Ratio	Lower	Upper
101	100		
103	67.1	45.1	83.7



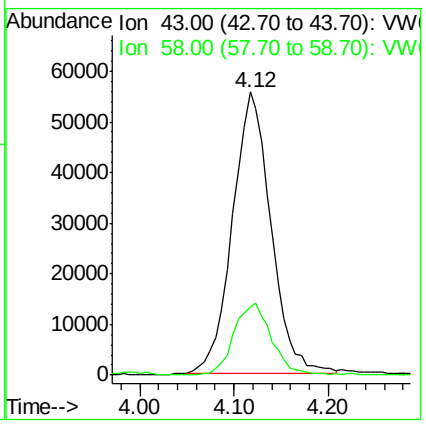


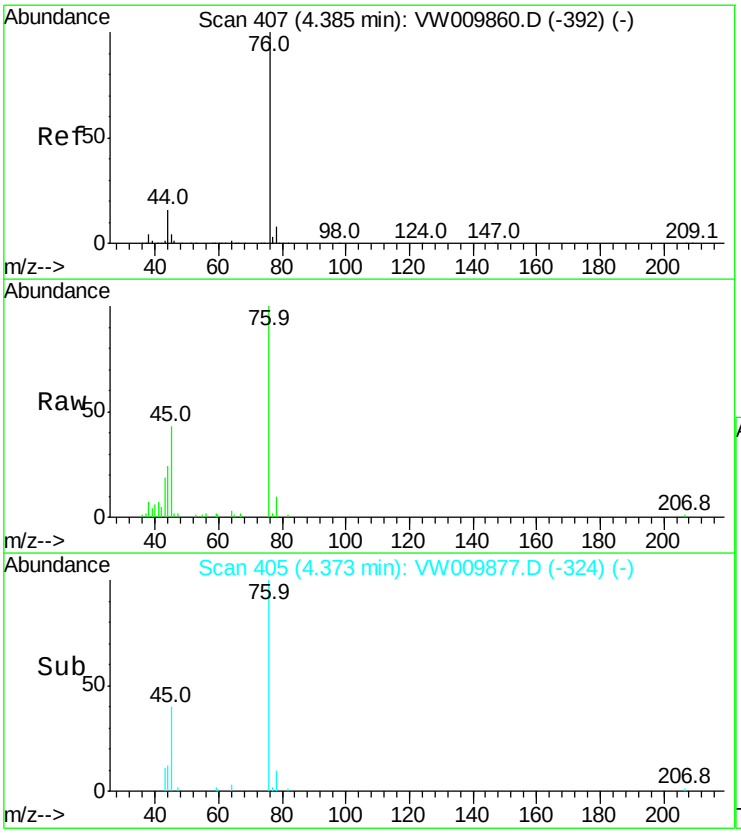
#13
Acetone
Concen: 67.236 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
BFC68

Tgt Ion: 43 Resp: 158058

Ion	Ratio	Lower	Upper
43	100		
58	25.1	0.0	53.0

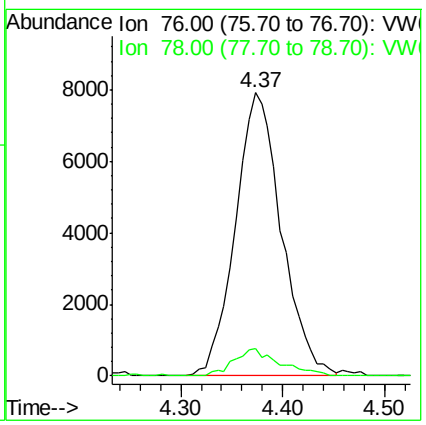


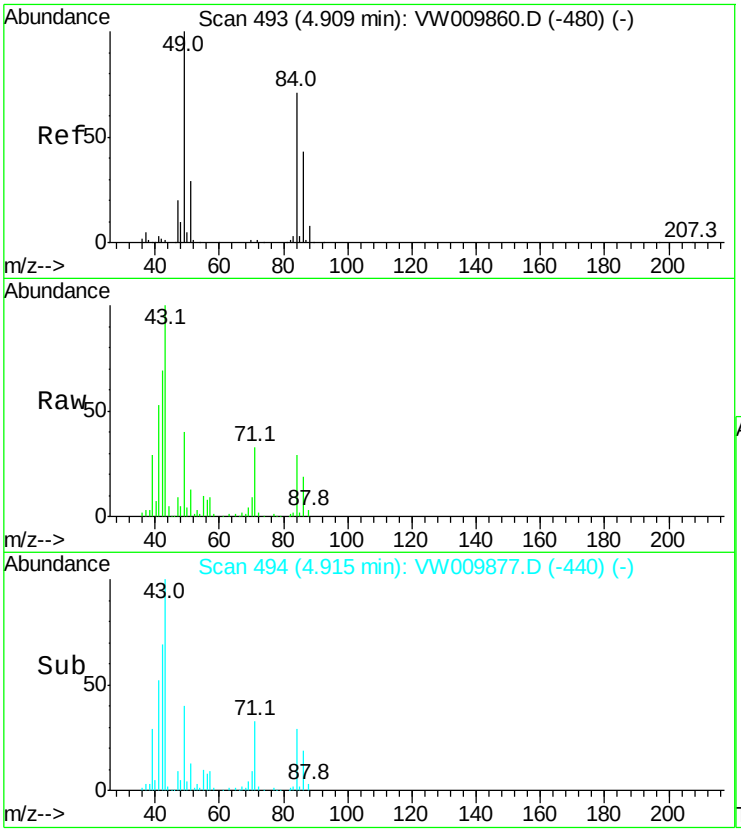


#14
Carbon disulfide
Concen: 1.163 ug/L
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 76 Resp: 24799

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9



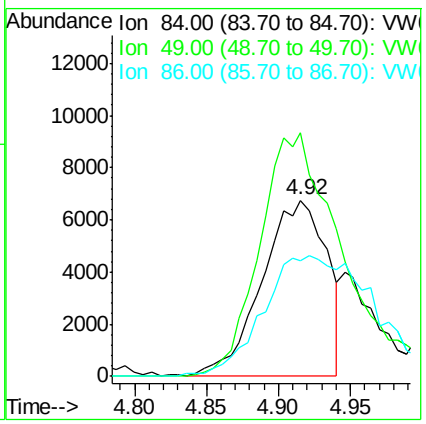


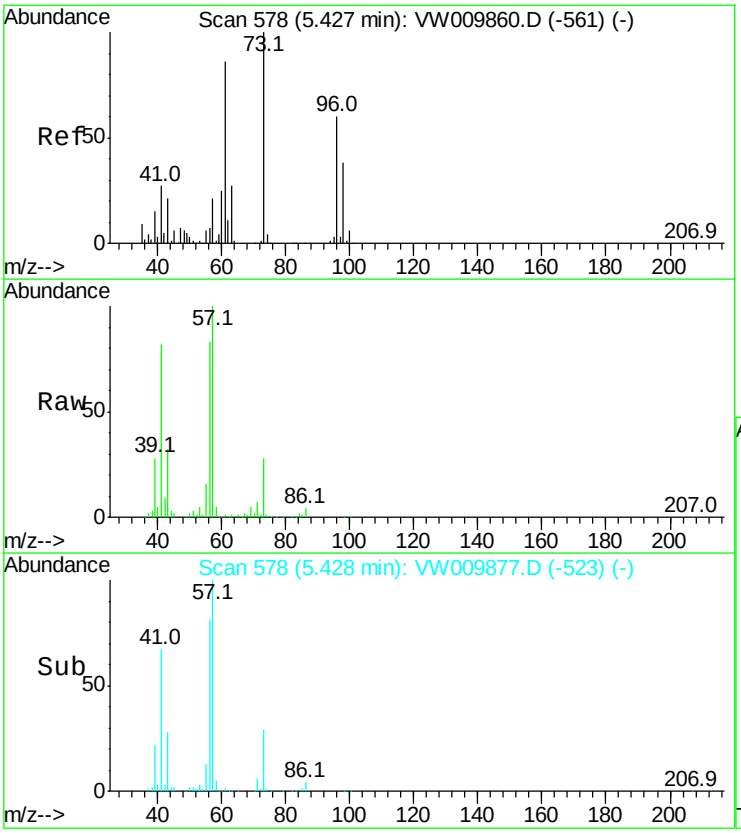
#16
Methylene chloride
Concen: 2.321 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion: 84 Resp: 21134

Ion	Ratio	Lower	Upper
84	100		
49	138.2	98.3	182.5
86	66.0	46.4	86.2

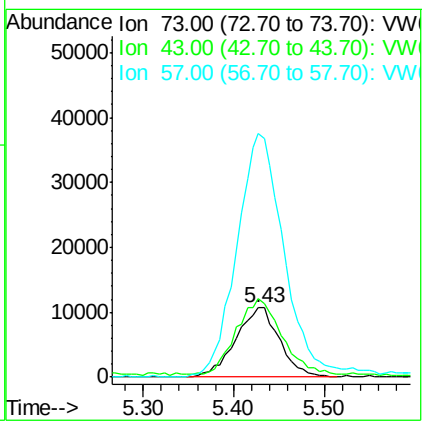


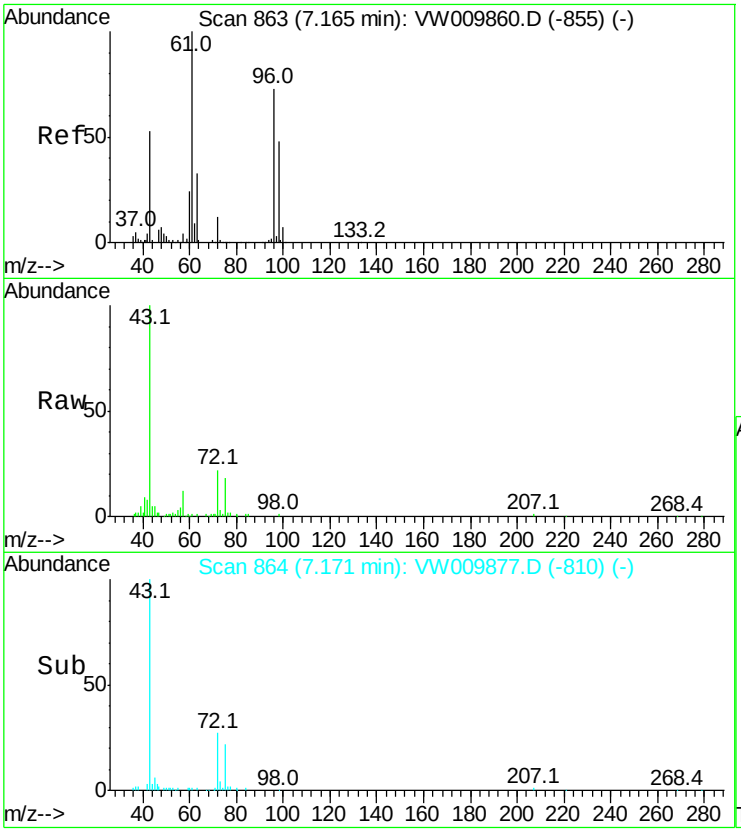


#17
Methyl tert-butyl Ether
Concen: 3.784 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 73 Resp: 35749

Ion	Ratio	Lower	Upper
73	100		
43	115.6	20.2	30.2#
57	376.3	17.8	26.8#



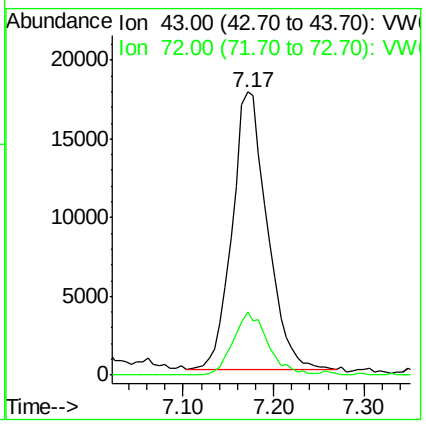


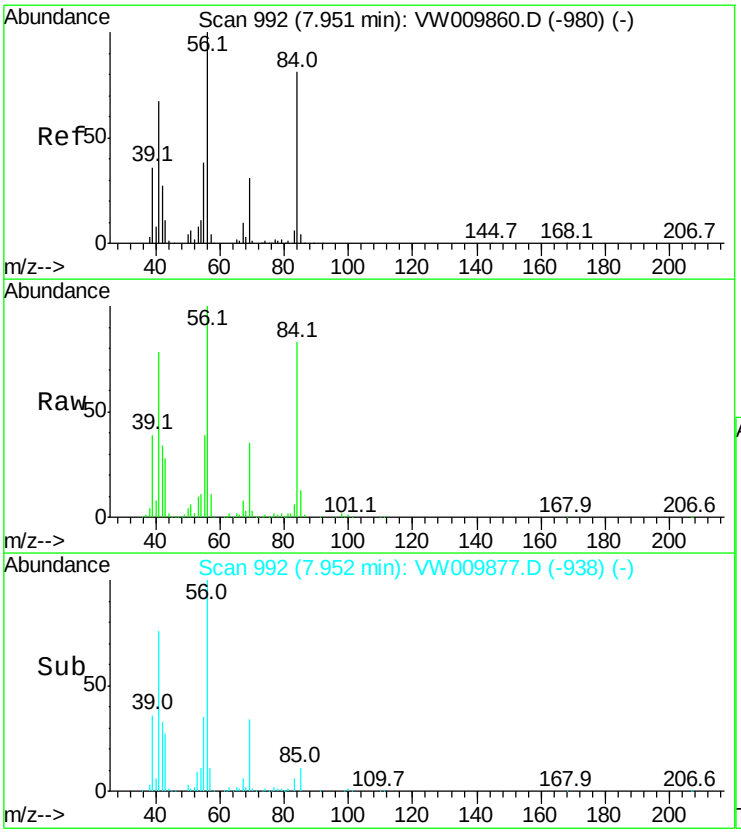
#21
2-Butanone
Concen: 15.802 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion: 43 Resp: 47244

Ion	Ratio	Lower	Upper
43	100		
72	22.4	12.0	36.1

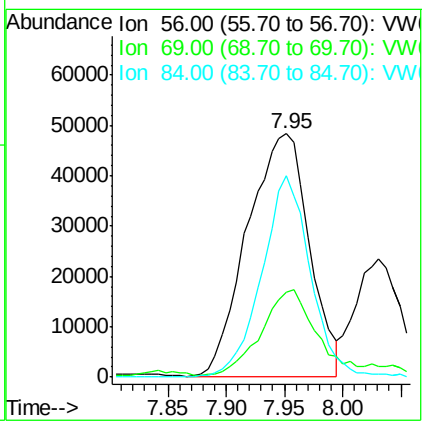


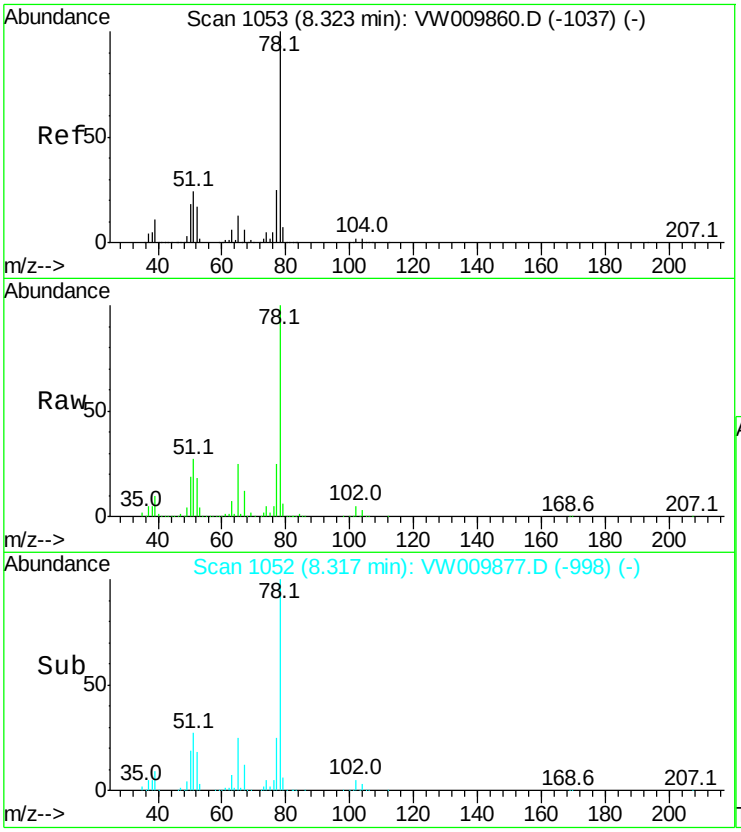


#30
Cyclohexane
Concen: 21.671 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 56 Resp: 176923

Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.4	35.2
84	65.2	67.7	101.5#

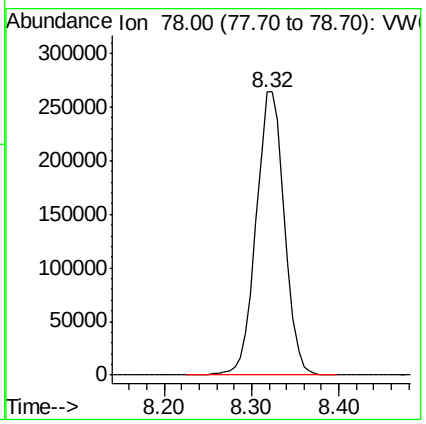


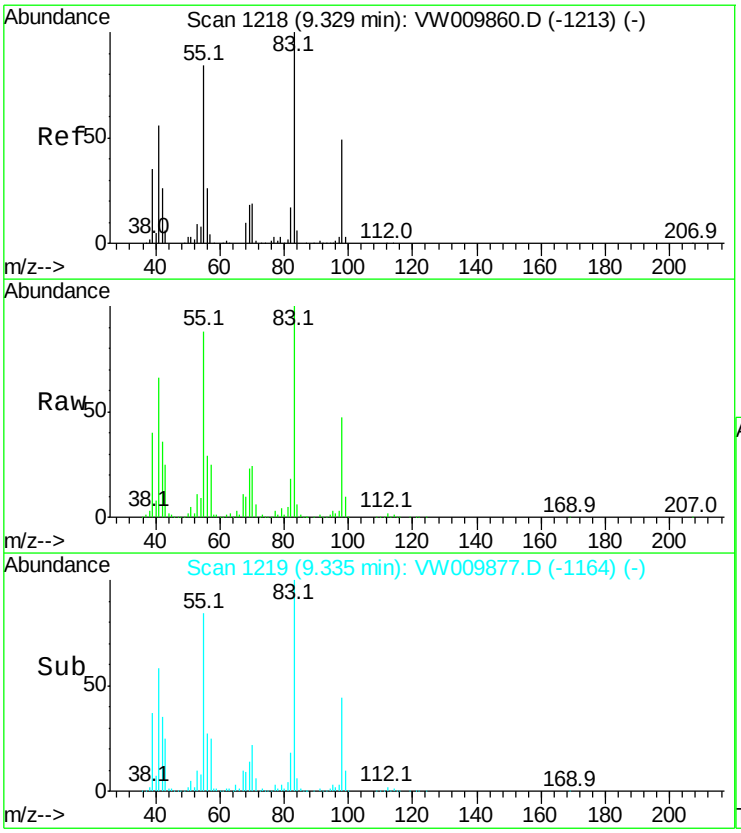


#34
Benzene
Concen: 28.649 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
BFC68

Tgt Ion: 78 Resp: 596212

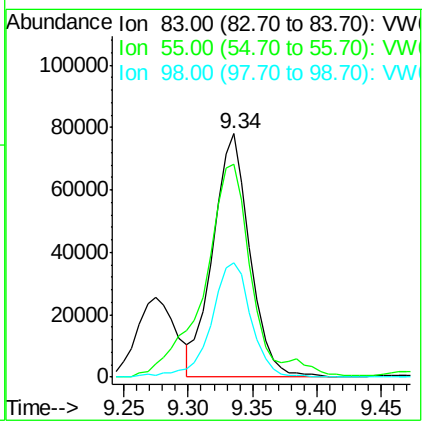


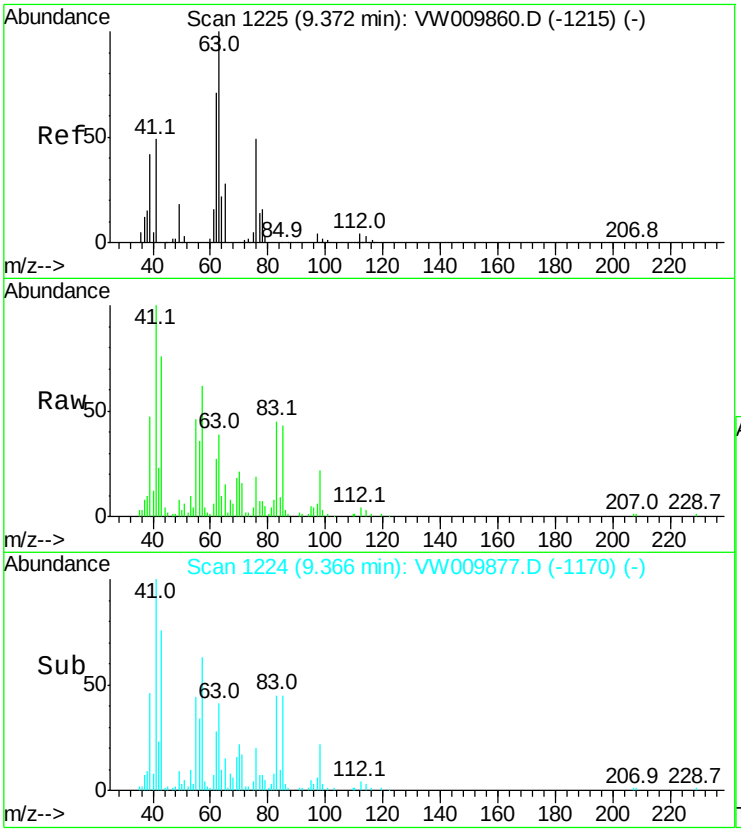


#36
Methylcyclohexane
Concen: 17.356 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 83 Resp: 155412

Ion	Ratio	Lower	Upper
83	100		
55	107.5	66.3	99.5#
98	51.1	39.4	59.0



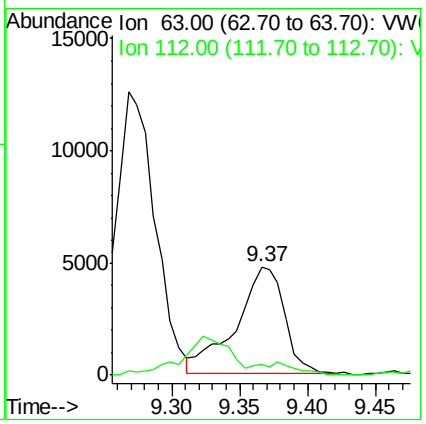


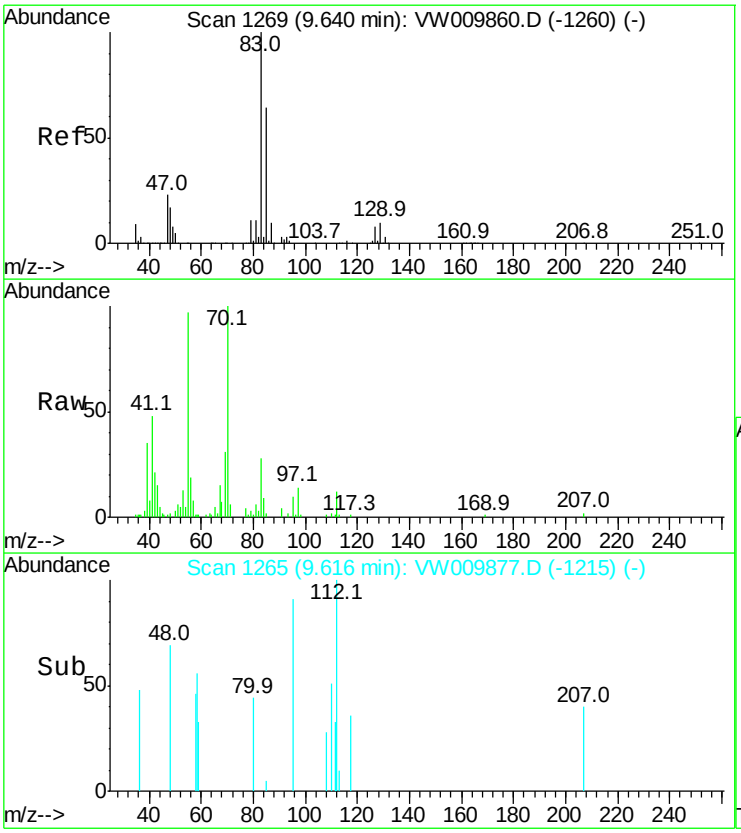
#40
1,2-Dichloropropane
Concen: 2.186 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion: 63 Resp: 11646

Ion	Ratio	Lower	Upper
63	100		
112	3.9	3.8	5.8

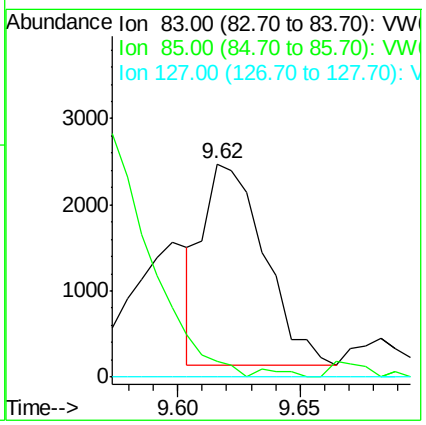


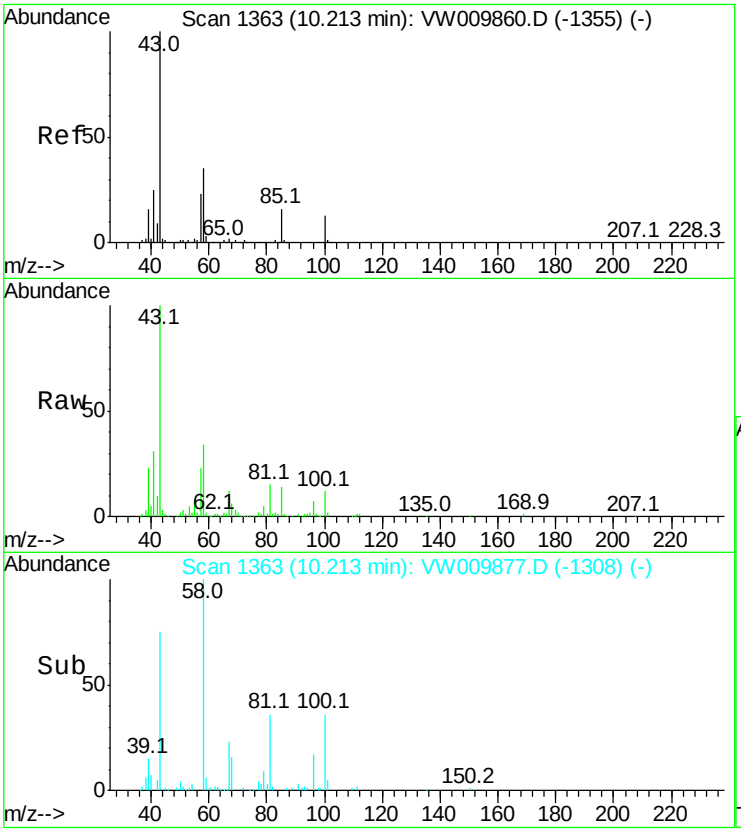


#41
Bromodichloromethane
Concen: 0.552 ug/L
RT: 9.62 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 83 Resp: 4059

Ion	Ratio	Lower	Upper
83	100		
85	7.3	45.0	83.6#
127	0.0	6.7	10.1#



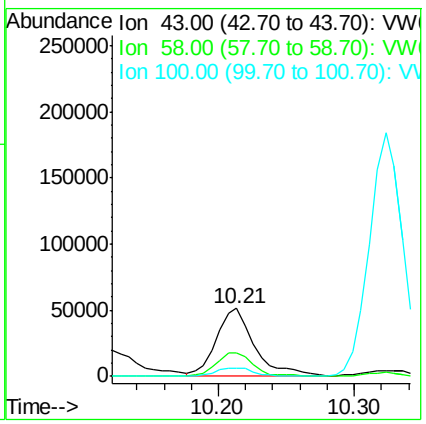


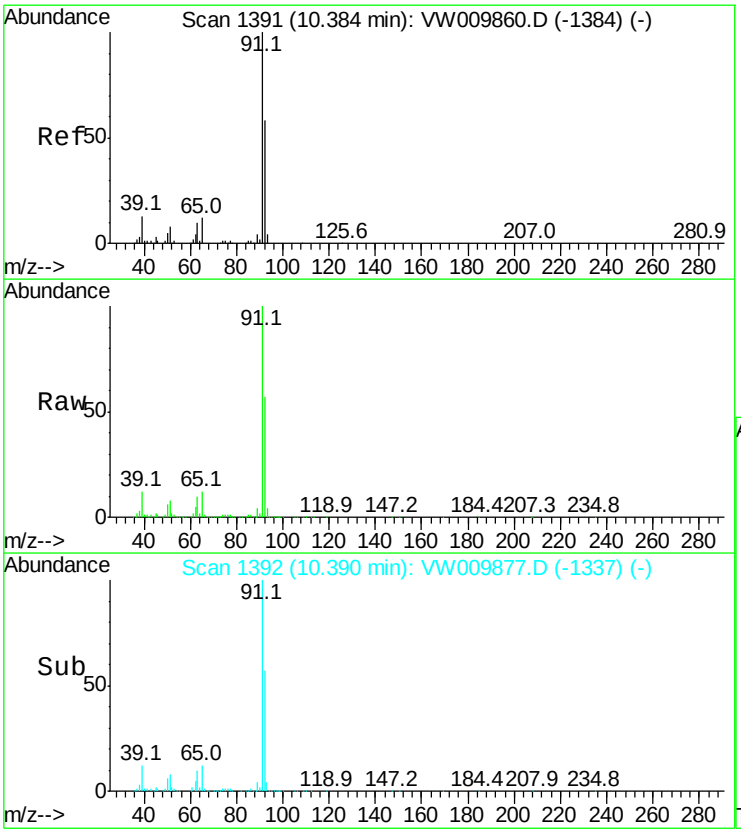
#43
4-Methyl-2-pentanone
Concen: 23.399 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
BFC68

Tgt Ion: 43 Resp: 96828

Ion	Ratio	Lower	Upper
43	100		
58	33.5	28.2	42.4
100	12.7	10.9	16.3

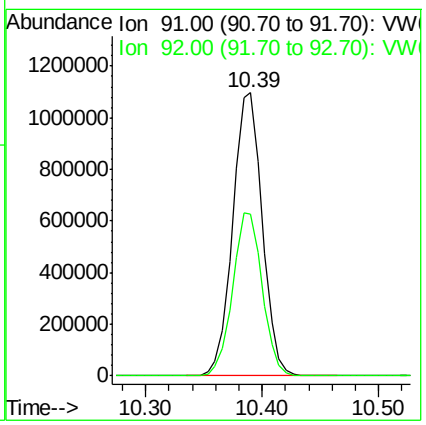


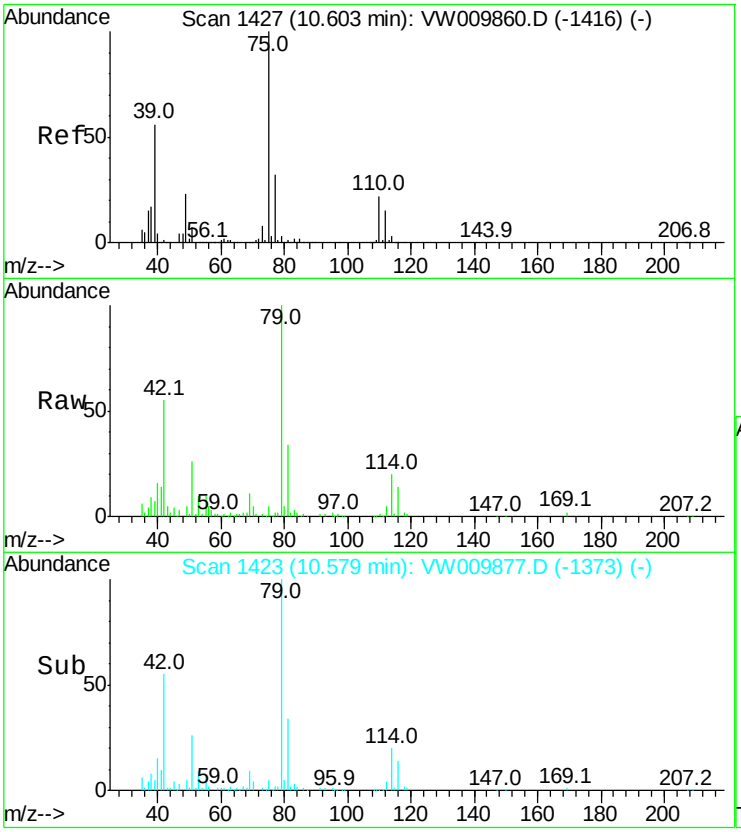


#44
Toluene
Concen: 87.540 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 91 Resp: 1929917

Ion	Ratio	Lower	Upper
91	100		
92	57.3	40.5	75.1



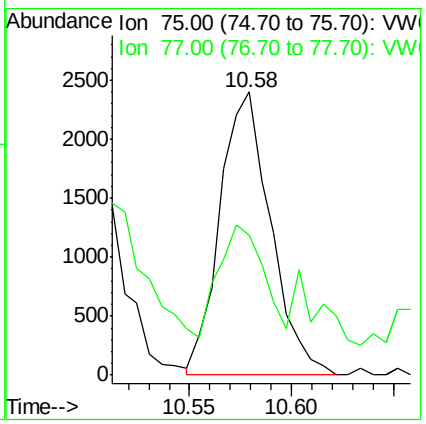


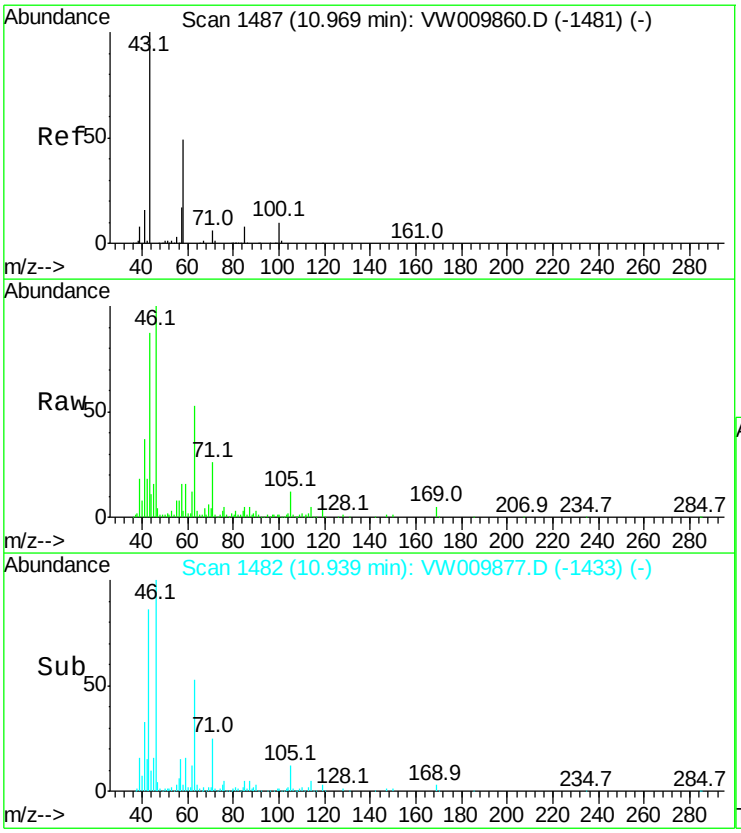
#45
trans-1,3-Dichloropropene
Concen: 0.581 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
BFC68

Tgt Ion: 75 Resp: 4137

Ion	Ratio	Lower	Upper
75	100		
77	49.3	21.1	39.3#

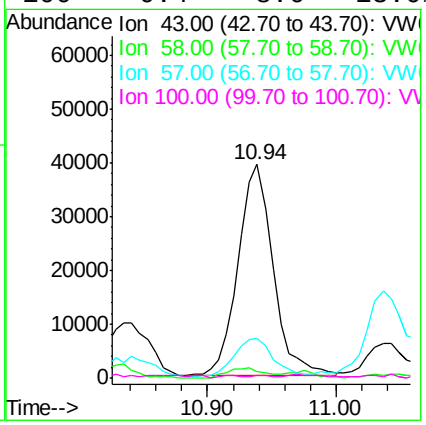


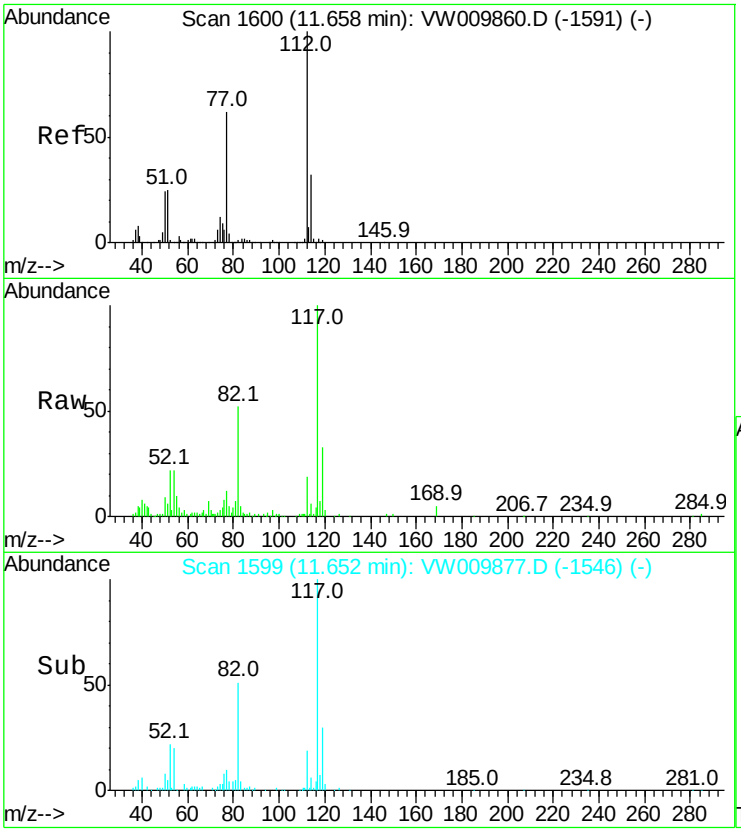


#49
2-Hexanone
Concen: 24.164 ug/L
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 43 Resp: 74454

Ion	Ratio	Lower	Upper
43	100		
58	4.8	38.9	58.3#
57	21.2	13.8	20.6#
100	0.4	8.6	13.0#



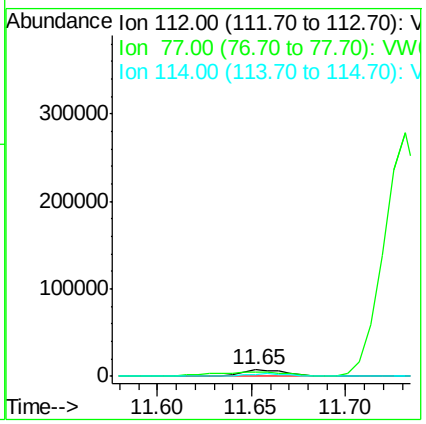


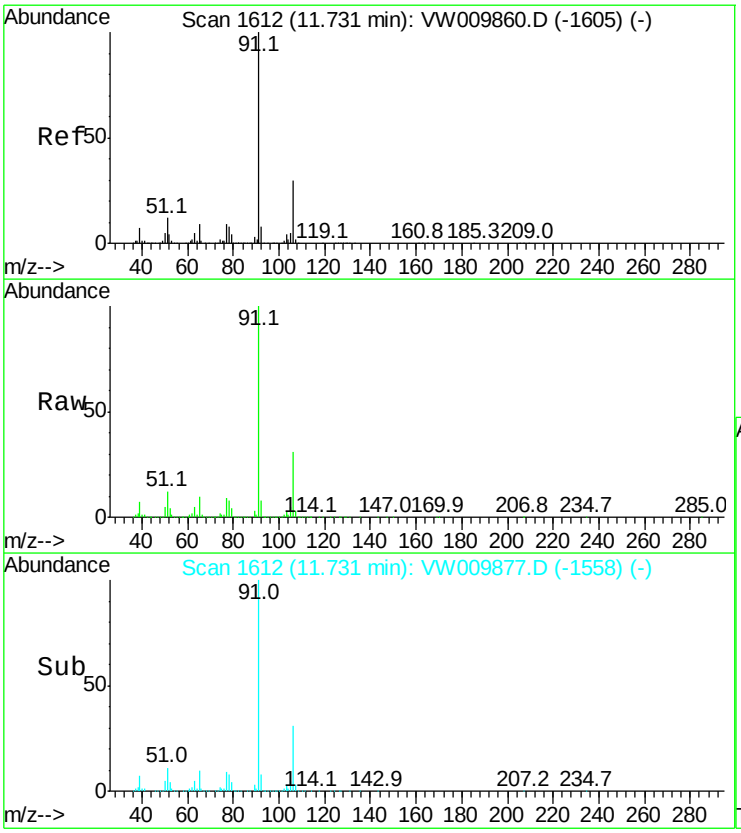
#52
Chlorobenzene
Concen: 0.941 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
BFC68

Tgt Ion:112 Resp: 13356

Ion	Ratio	Lower	Upper
112	100		
77	62.5	48.2	72.2
114	32.1	23.0	42.6

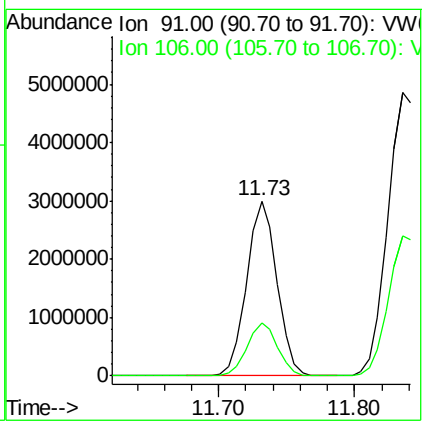


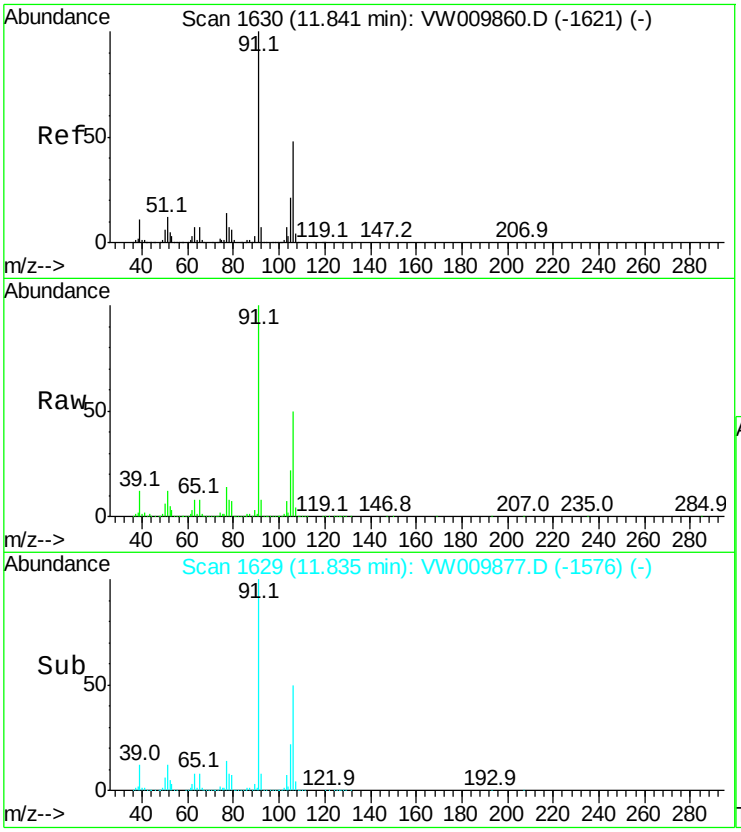


#53
Ethylbenzene
Concen: 185.975 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 91 Resp: 4670462

Ion	Ratio	Lower	Upper
91	100		
106	30.6	21.5	39.9



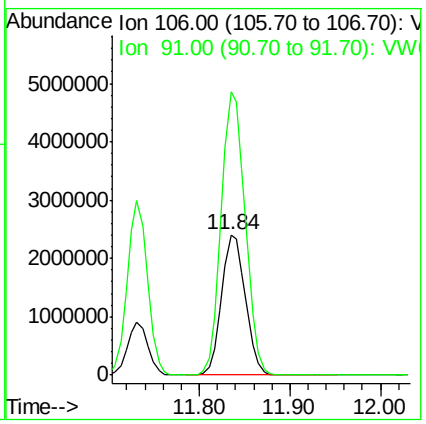


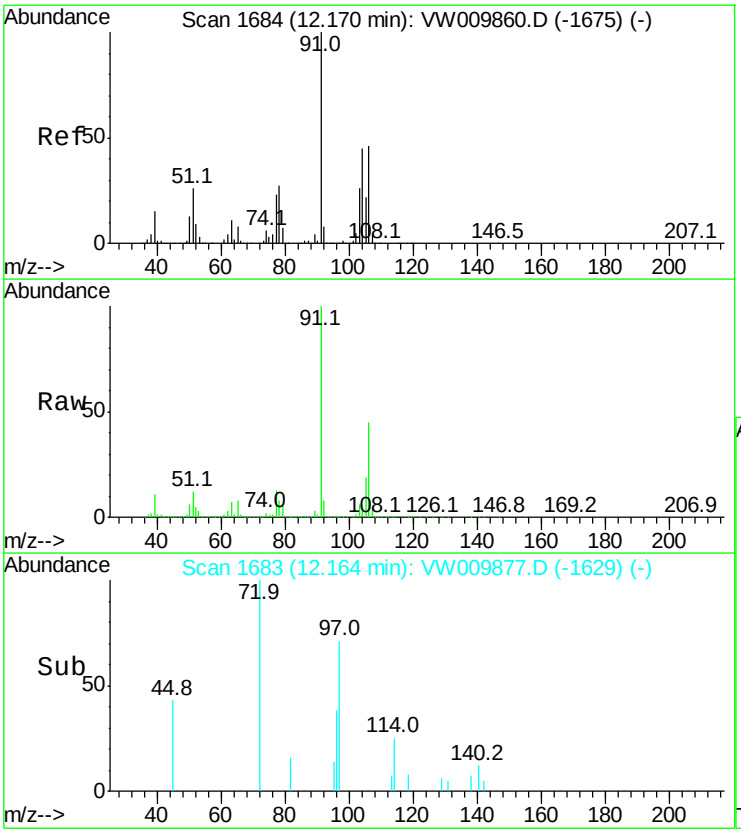
#54
m,p-Xylene
Concen: 471.773 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion:106 Resp: 4382110

Ion	Ratio	Lower	Upper
106	100		
91	201.7	145.3	269.9

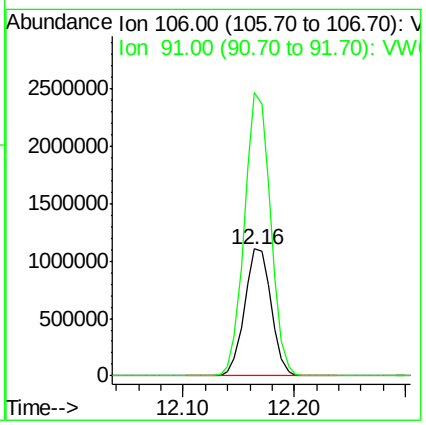


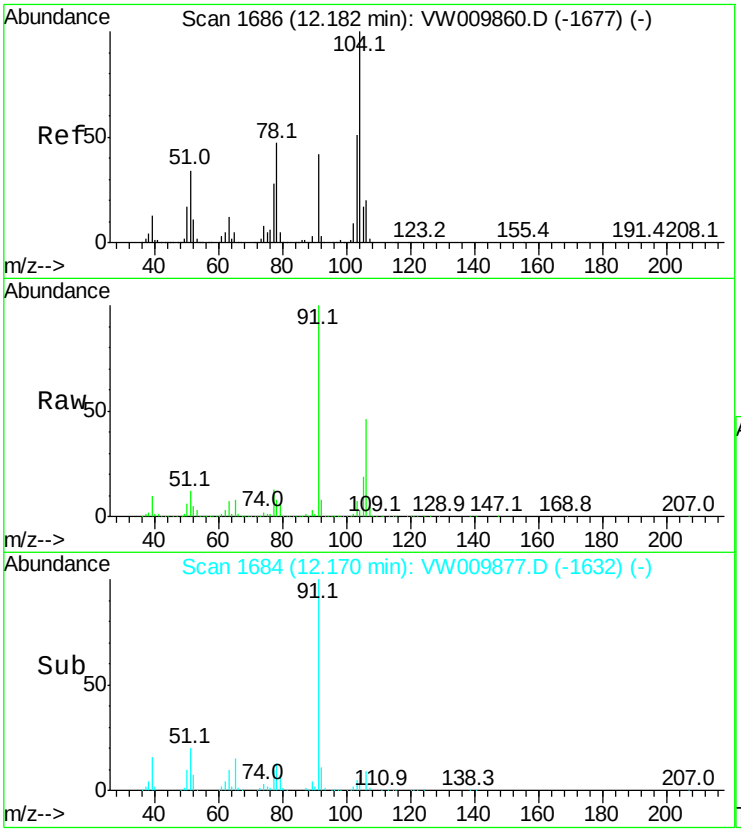


#55
o-xylene
Concen: 207.282 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion:106 Resp: 1833717

Ion	Ratio	Lower	Upper
106	100		
91	223.2	153.9	285.7



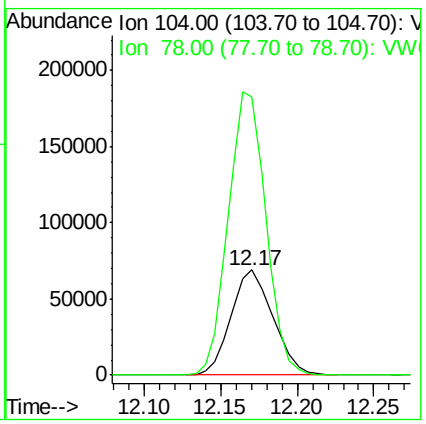


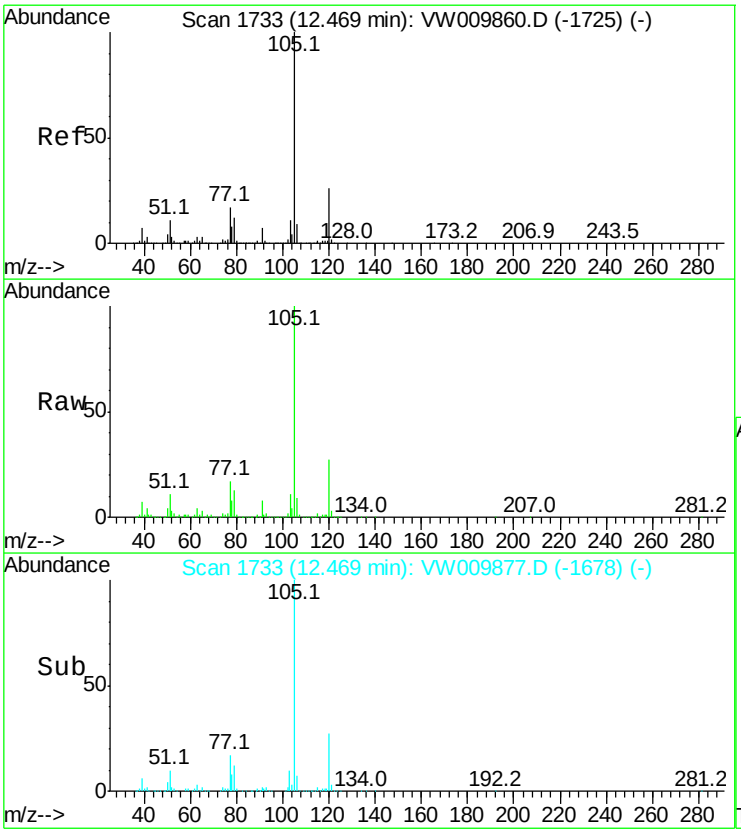
#56
Styrene
Concen: 8.493 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion:104 Resp: 130365

Ion	Ratio	Lower	Upper
104	100		
78	264.5	32.9	61.1#

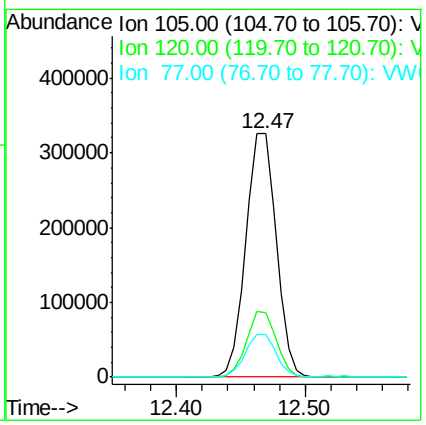


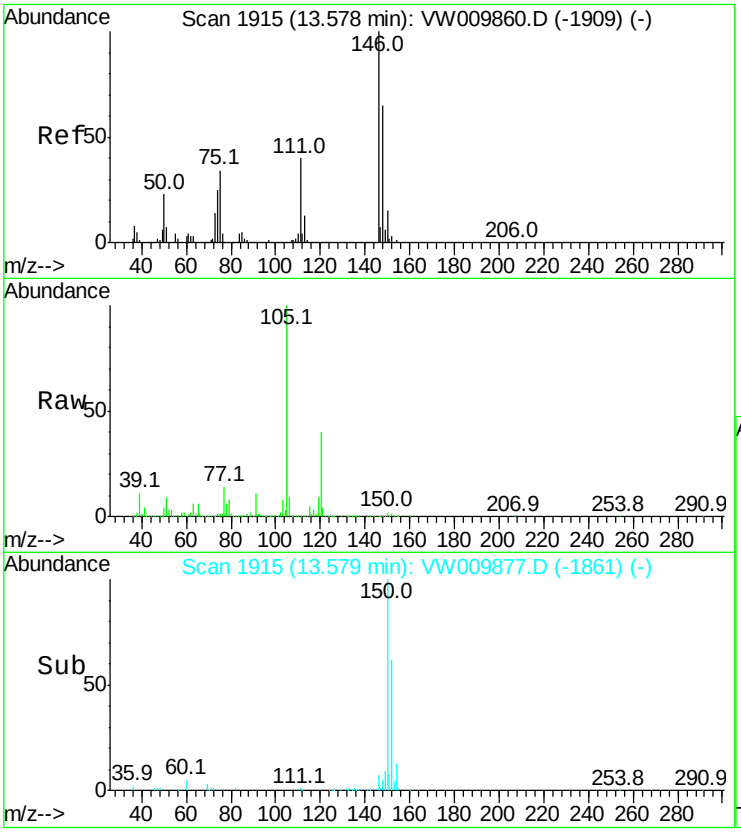


#57
Isopropylbenzene
Concen: 21.837 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion:105 Resp: 528979

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.4
77	17.5	13.4	20.2



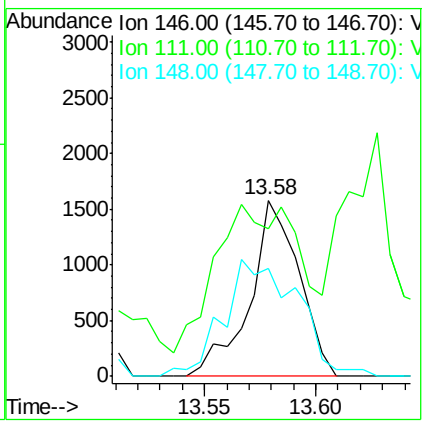


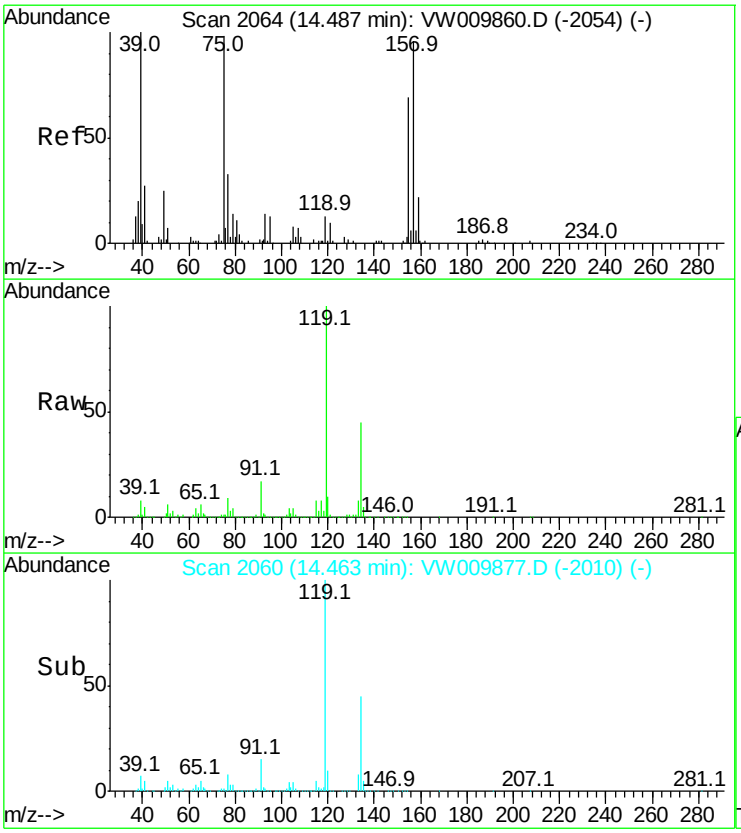
#64
1,4-Dichlorobenzene
Concen: 0.539 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument : MSVOA_W
ClientSampleId : BFC68

Tgt Ion:146 Resp: 2425

Ion	Ratio	Lower	Upper
146	100		
111	83.7	27.4	50.8#
148	61.3	43.8	81.3

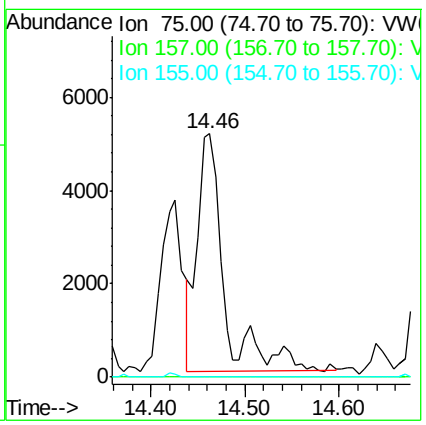


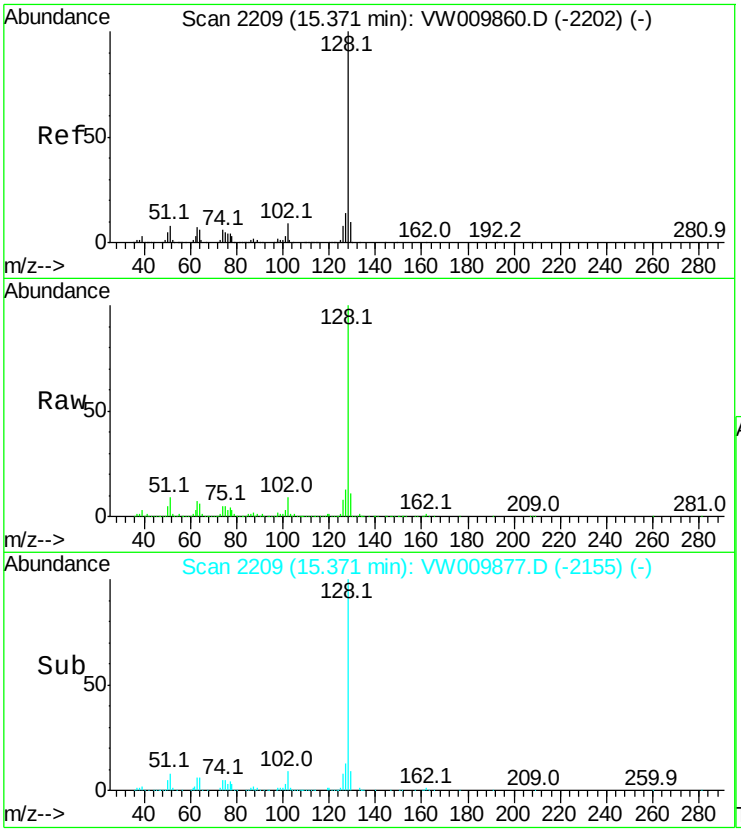


#66
1,2-Dibromo-3-chloropropane
Concen: 25.714 ug/L
RT: 14.46 min Scan# 2060
Delta R.T. -0.02 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Tgt Ion: 75 Resp: 10096

Ion	Ratio	Lower	Upper
75	100		
157	0.0	77.2	115.8#
155	0.0	61.9	92.9#





#69
Naphthalene
Concen: 93.870 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009877.D
Acq: 10 Apr 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
BFC68

Tgt Ion:128 Resp: 473984

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.7	10.8	16.2