Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\

Quantitation Report (Not Reviewed)

Data File : VW011254.D
Acq On : 15 Jul 2019 11:34
Operator : SY/VA
Sample : K3798-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52S4

Quant Time: Jul 16 05:05:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	379726	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339745	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167651	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	127846	22.05	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.20%			
7) Chloroethane-d5	2.88	69	91863	22.58	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.32%			
10) 1,1-Dichloroethene-d2	4.01	63	257999	21.01	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 84.04%			
20) 2-Butanone-d5	7.07	46	107690	47.15	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.30%			
24) Chloroform-d	7.65	84	243994	23.44	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.76%			
26) 1,2-Dichloroethane-d4	8.30	65	149296	23.29	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.16%			
29) Benzene-d6	8.27	84	498477	23.82	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.28%			
33) 1,2-Dichloropropane-d6	9.27	67	163511	23.99	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.96%			
37) Toluene-d8	10.32	98	435370	23.34	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.36%			
38) trans-1,3-Dichloropropene-	10.57	79	67379	23.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.00%			
39) 2-Hexanone-d5	10.93	63	71879	45.99	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.98%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130953	23.23	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 92.92%			
61) 1,2-Dichlorobenzene-d4	13.86	152	151096	23.48	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	46739	10.008	ug/L	100
3) Chloromethane	2.21	50	61677	12.164	ug/L	97
5) Vinyl chloride	2.36	62	164322	24.830	ug/L	99
6) Bromomethane	2.78	94	46004	14.858	ug/L	99
8) Chloroethane	2.92	64	29749	8.894	ug/L	99
9) Trichlorofluoromethane	3.24	101	24751	10.923	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113197	22.421	ug/L	98
12) 1,1-Dichloroethene	4.04	96	79385	15.908	ug/L	93
15) Methyl Acetate	4.66	43	89051	24.531	ug/L	99
16) Methylene chloride	4.92	84	118410	21.220	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	329521	42.581	ug/L	99
21) 2-Butanone	7.16	43	214744	74.565	ug/L	97
25) Chloroform	7.67	83	191361	19.735	ug/L	99
30) Cyclohexane	7.95	56	225279	21.809	ug/L	99
34) Benzene	8.32	78	912617	42.980	ug/L	100
35) Trichloroethene	9.09	95	288353	53.814	ug/L	100
42) cis-1,3-Dichloropropene	10.03	75	4811	0.560	ug/L #	55

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\

Quantitation Report (Not Reviewed)

Data File : VW011254.D
Acq On : 15 Jul 2019 11:34
Operator : SY/VA
Sample : K3798-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52S4

Quant Time: Jul 16 05:05:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Toluene	10.38	91	1159828	52.772	ug/L		99
46) 1,1,2-Trichloroethane	10.79	97	80340	19.939	ug/L		97
47) Tetrachloroethene	10.86	164	43808	10.818	ug/L		93
52) Chlorobenzene	11.66	112	173877	12.950	ug/L		99
53) Ethylbenzene	11.73	91	640744	25.702	ug/L		99
54) m,p-Xylene	11.85	106	282220	31.181	ug/L		98
55) o-xylene	12.16	106	223976	26.013	ug/L		100
56) Styrene	12.18	104	161225	10.915	ug/L		98
57) Isopropylbenzene	12.46	105	492438	20.951	ug/L		100
58) 1,1,2,2-Tetrachloroethane	12.71	83	61873	11.543	ug/L		94
59) 1,2,3-Trichloropropane	12.74	75	20072	4.876	ug/L	#	1
62) Bromoform	12.35	173	29220	11.695	ug/L		99
63) 1,3-Dichlorobenzene	13.50	146	212465	20.599	ug/L		99
64) 1,4-Dichlorobenzene	13.58	146	107322	10.164	ug/L		99
67) 1,3,5-Trichlorobenzene	15.14	180	134329	17.189	ug/L		99
68) 1,2,4-trichlorobenzene	15.14	180	134329	20.517	ug/L		99
70) 1,2,3-Trichlorobenzene	15.56	180	182276	30.428	ug/L		99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\

Quantitation Report (Not Reviewed)

Data File : VW011254.D
Acq On : 15 Jul 2019 11:34
Operator : SY/VA
Sample : K3798-01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
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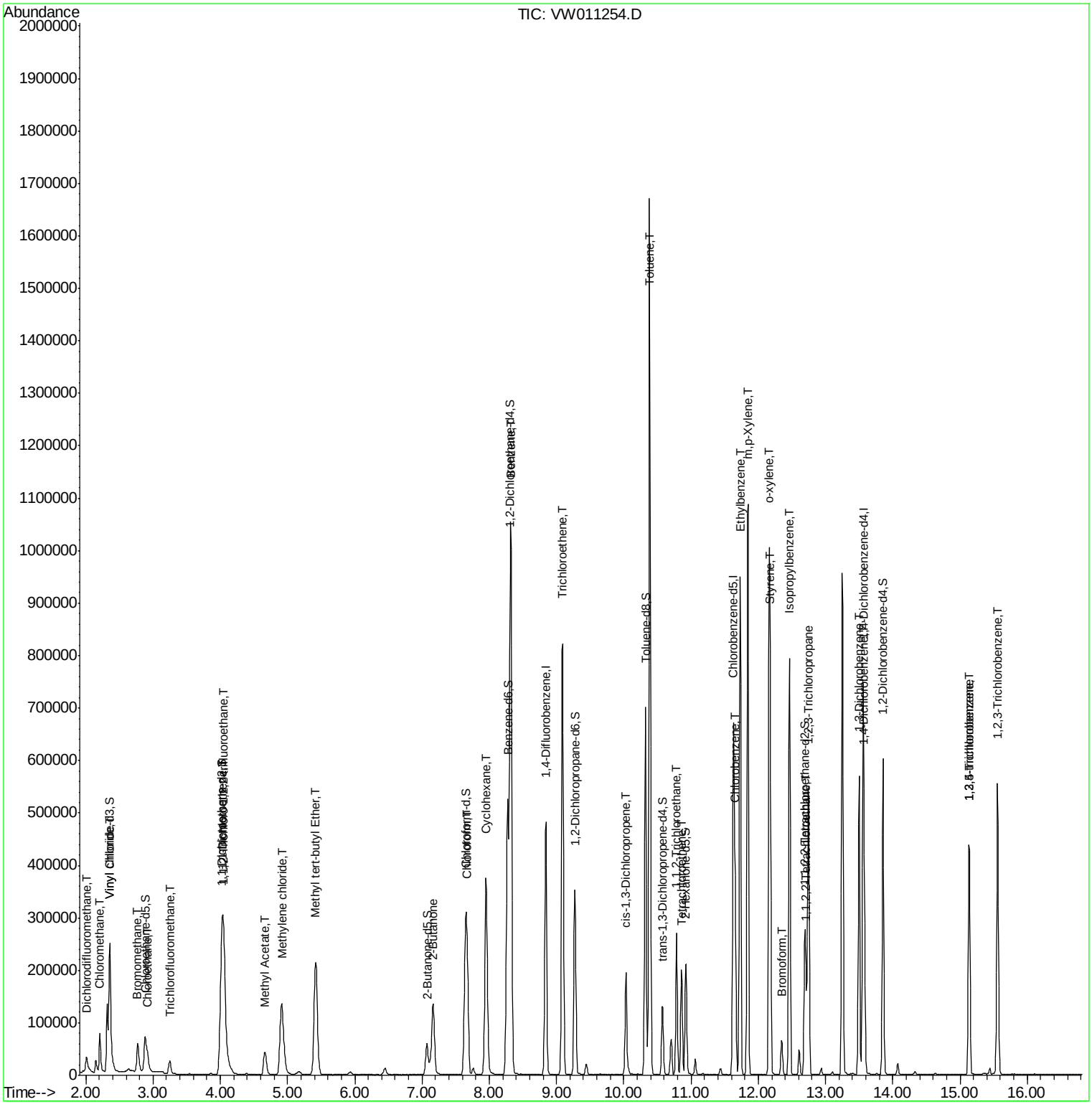
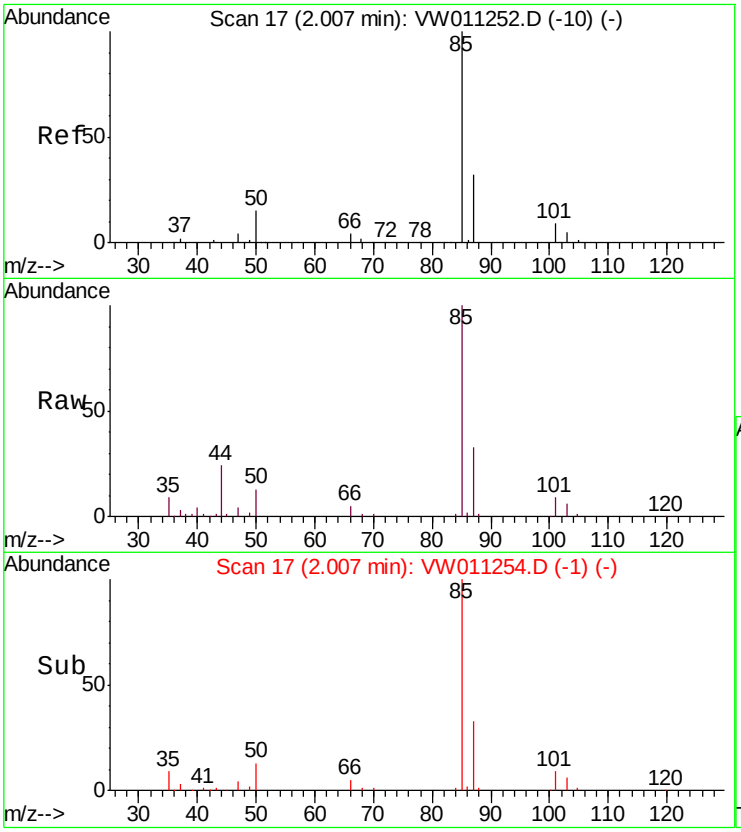
Quant Time: Jul 16 05:05:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration



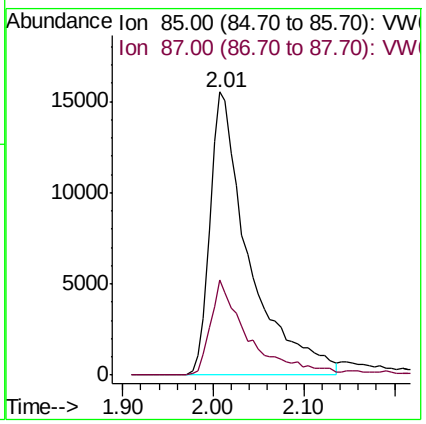


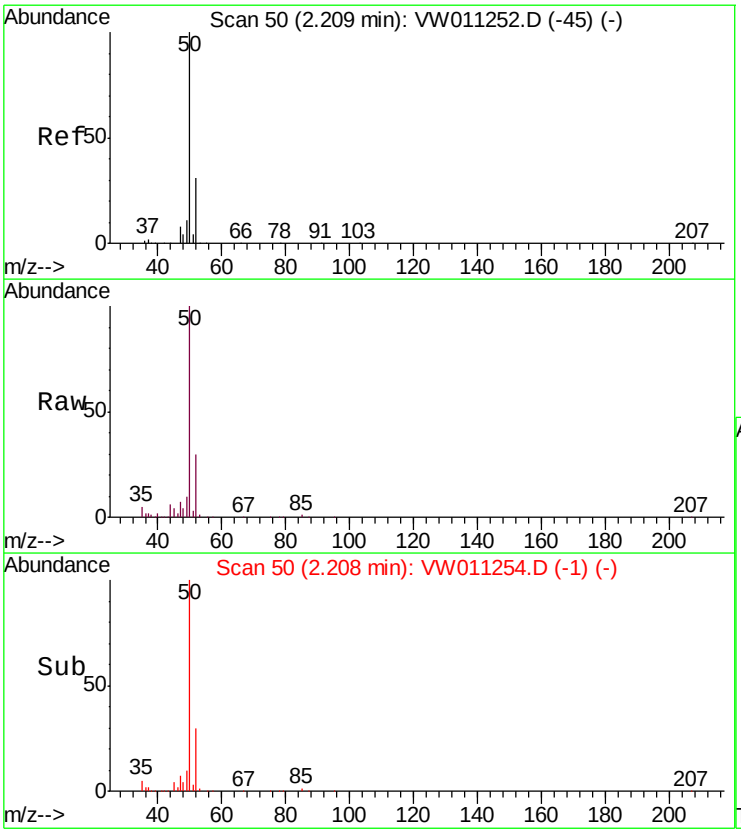
#2
Dichlorodifluoromethane
Concen: 10.008 ug/L
RT: 2.01 min Scan# 17
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 85 Resp: 46739

Ion	Ratio	Lower	Upper
85	100		
87	29.6	20.6	38.4

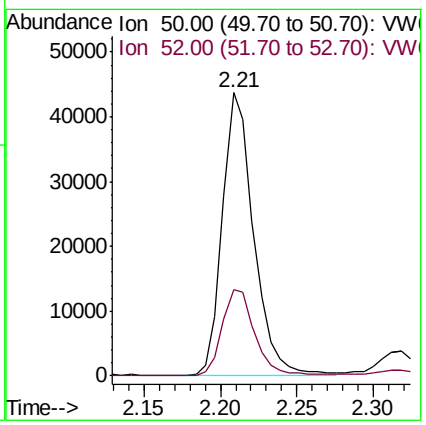


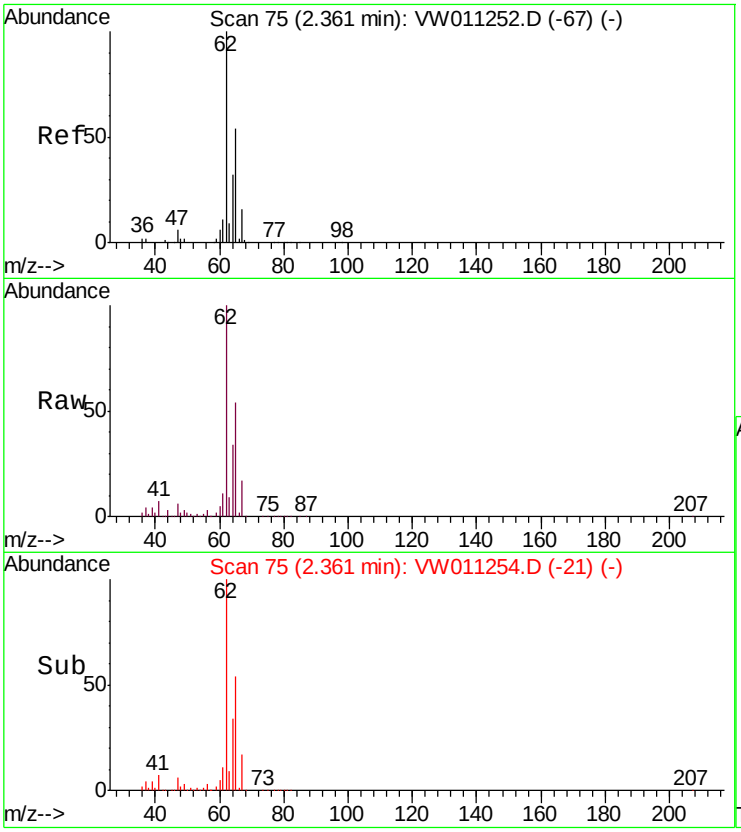


#3
Chloromethane
Concen: 12.164 ug/L
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 50 Resp: 61677

Ion	Ratio	Lower	Upper
50	100		
52	30.3	22.3	41.5



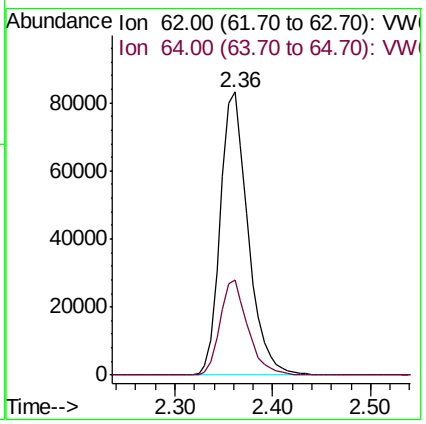


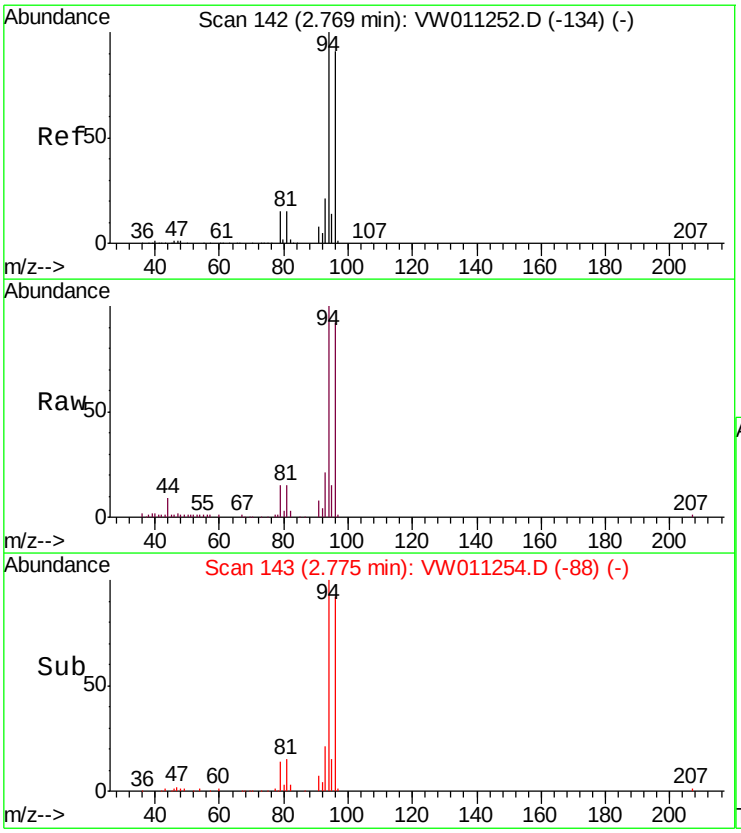
#5
Vinyl chloride
Concen: 24.830 ug/L
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 62 Resp: 164322

Ion	Ratio	Lower	Upper
62	100		
64	33.8	23.9	44.3

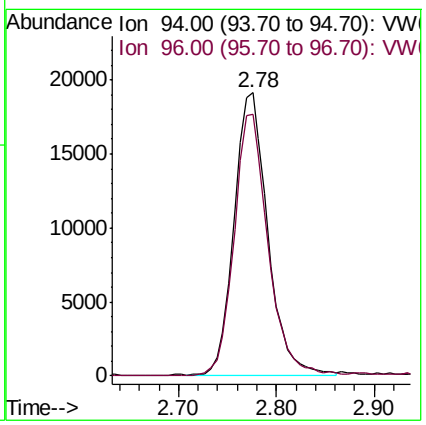


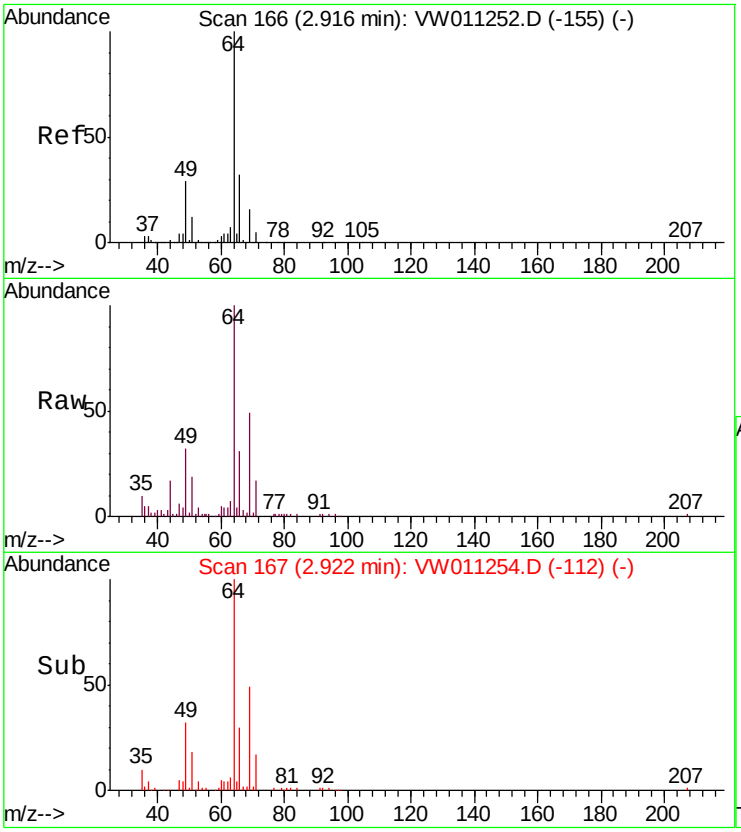


#6
Bromomethane
Concen: 14.858 ug/L
RT: 2.78 min Scan# 143
Delta R.T. 0.01 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 94 Resp: 46004

Ion	Ratio	Lower	Upper
94	100		
96	92.6	9.3	177.3



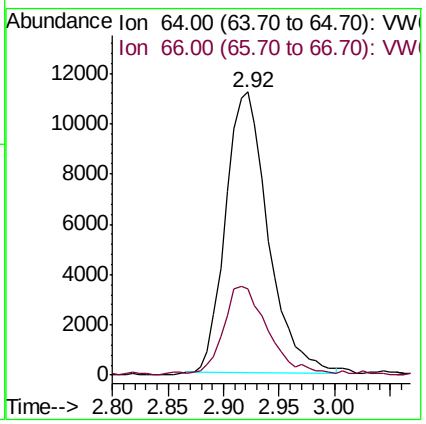


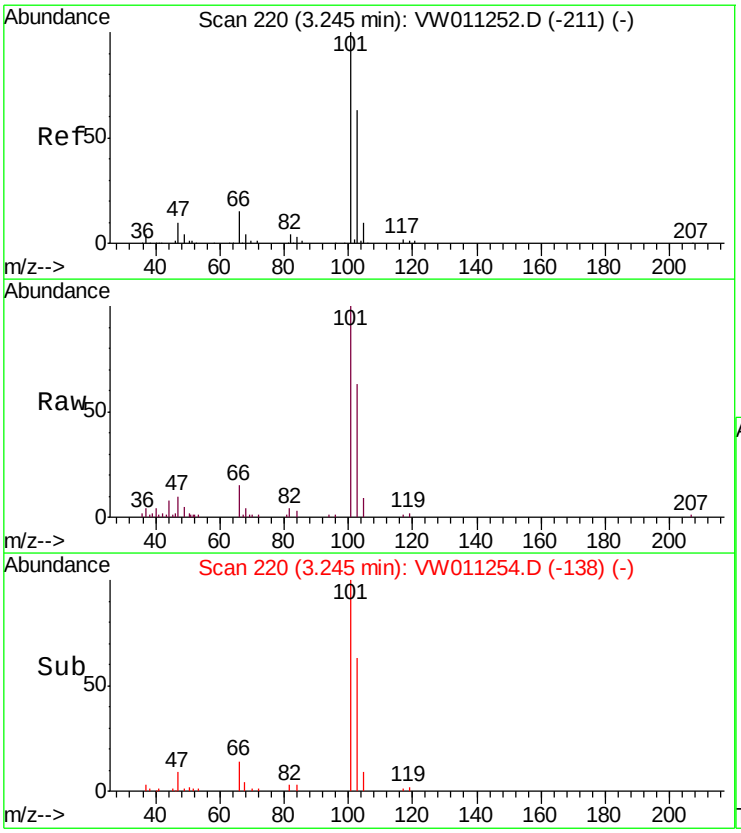
#8
Chloroethane
Concen: 8.894 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.01 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion: 64 Resp: 29749

Ion	Ratio	Lower	Upper
64	100		
66	30.6	21.9	40.7

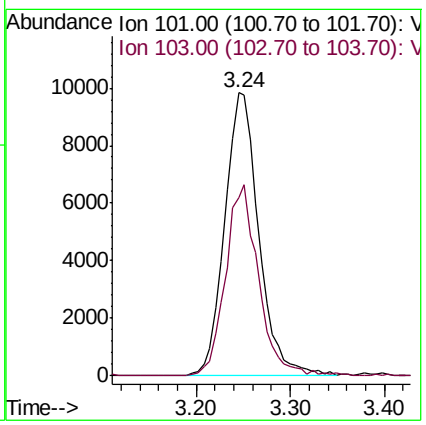


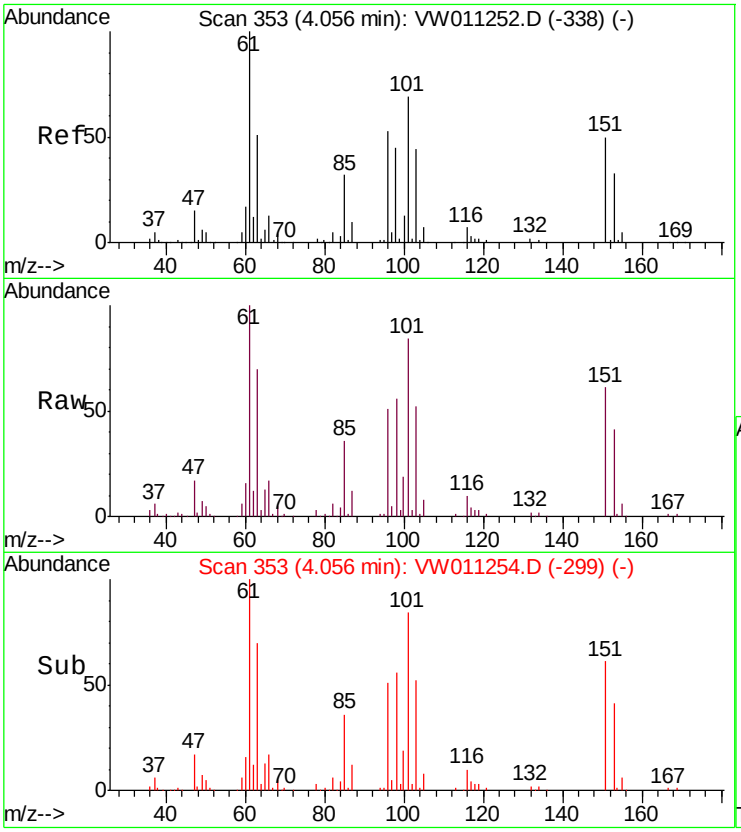


#9
Trichlorofluoromethane
Concen: 10.923 ug/L
RT: 3.24 min Scan# 220
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:101 Resp: 24751

Ion	Ratio	Lower	Upper
101	100		
103	64.8	44.6	82.8



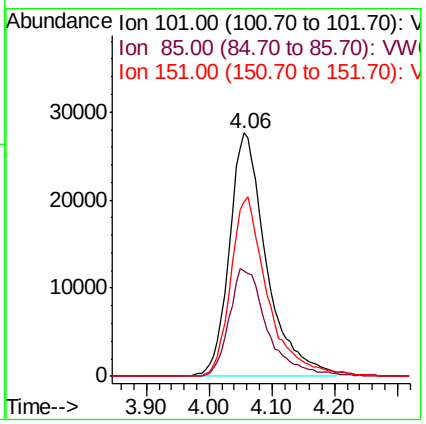


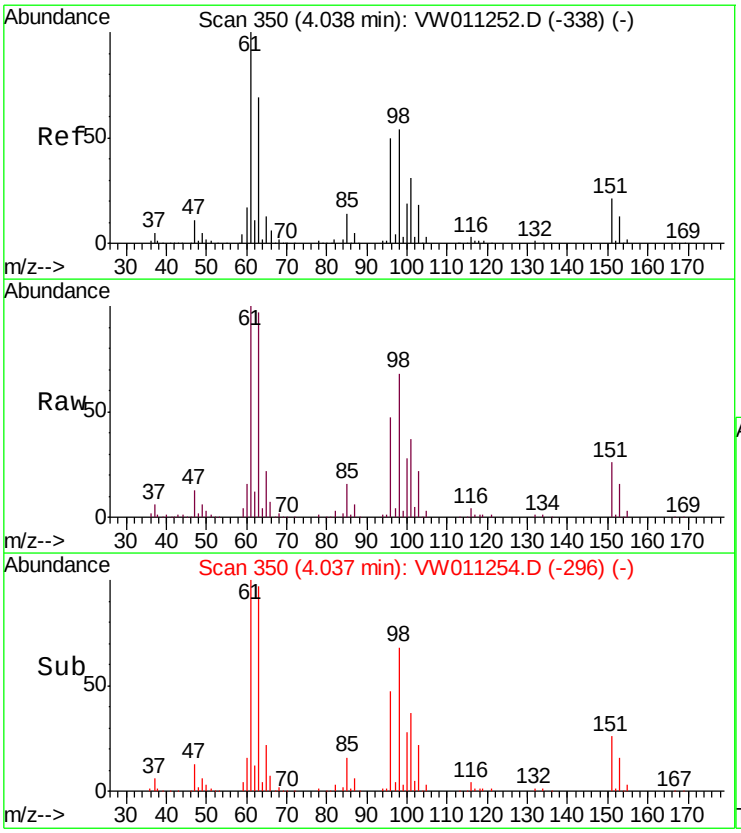
#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.421 ug/L
RT: 4.06 min Scan# 353
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion:101 Resp: 113197

Ion	Ratio	Lower	Upper
101	100		
85	44.6	33.8	50.8
151	72.4	56.9	85.3

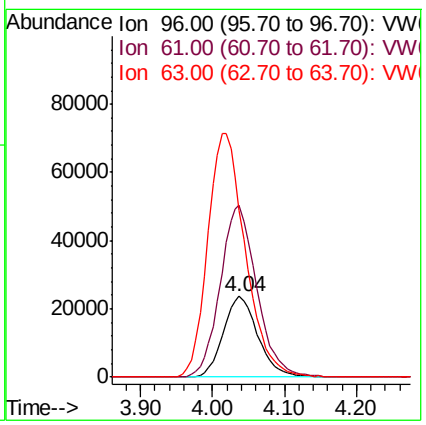


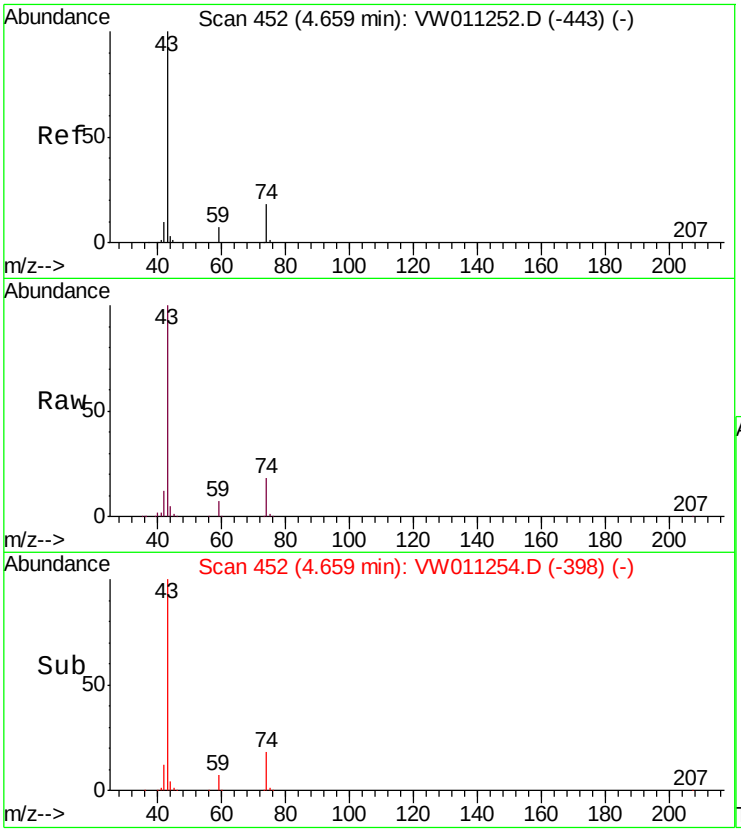


#12
1,1-Dichloroethene
Concen: 15.908 ug/L
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 96 Resp: 79385

Ion	Ratio	Lower	Upper
96	100		
61	214.0	142.2	264.0
63	208.1	138.9	257.9



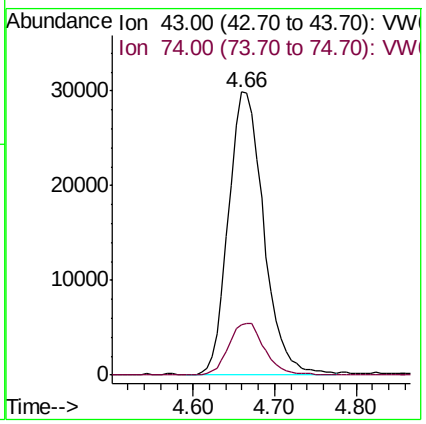


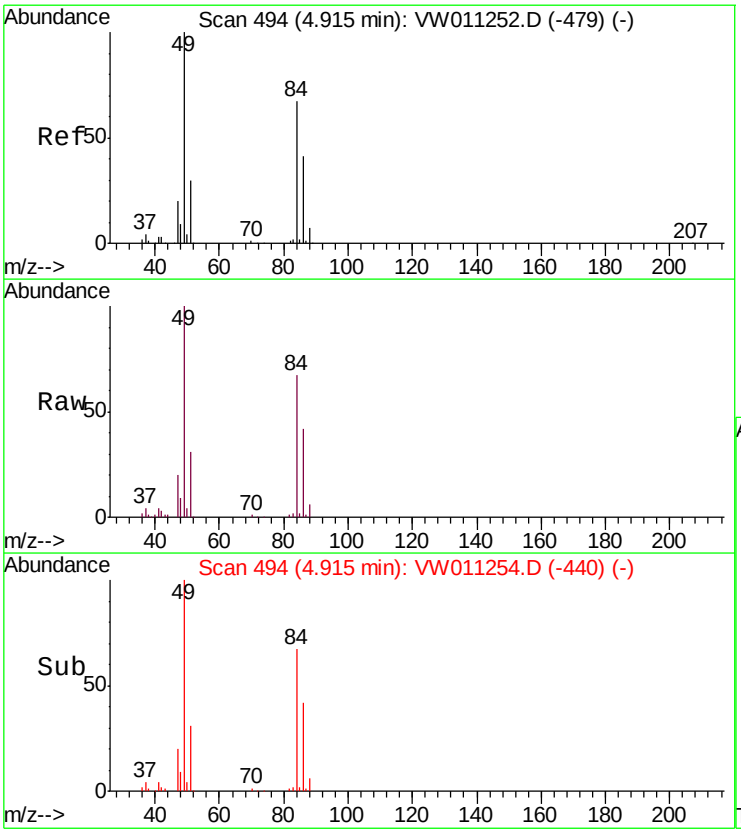
#15
Methyl Acetate
Concen: 24.531 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 43 Resp: 89051

Ion	Ratio	Lower	Upper
43	100		
74	18.5	15.1	22.7

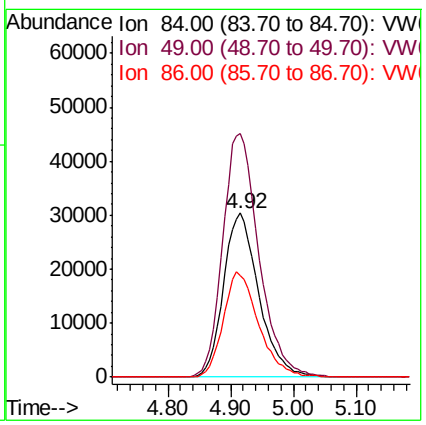


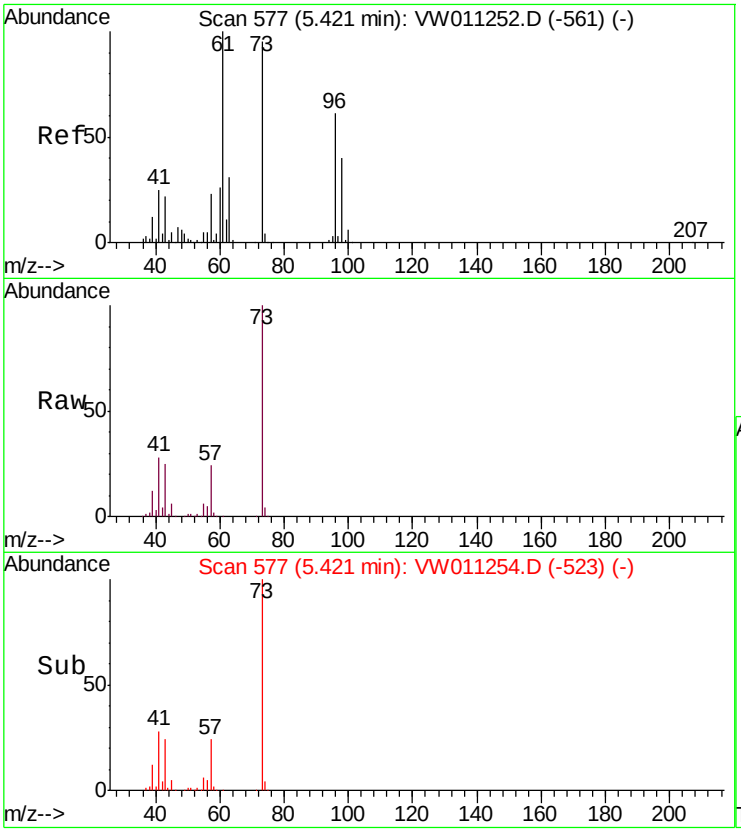


#16
Methylene chloride
Concen: 21.220 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 84 Resp: 118410

Ion	Ratio	Lower	Upper
84	100		
49	148.4	102.5	190.3
86	61.6	46.4	86.2



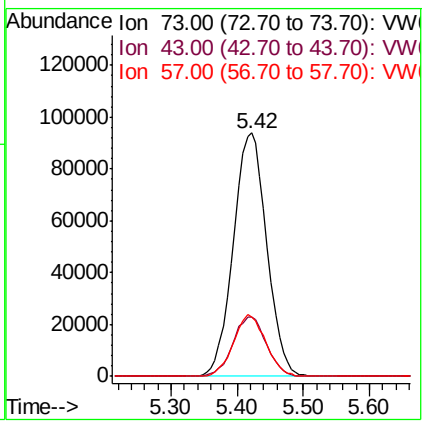


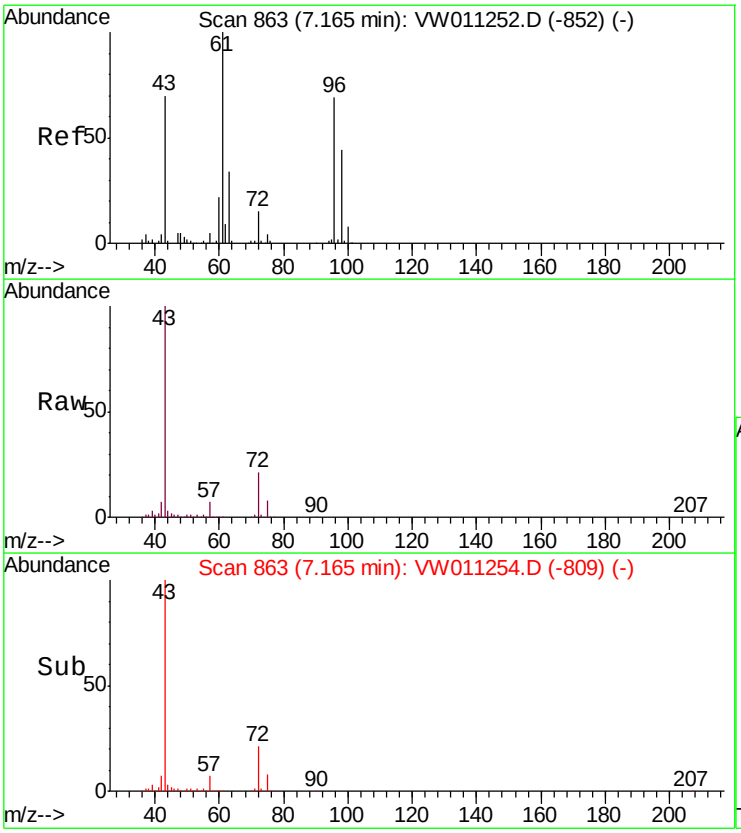
#17
Methyl tert-butyl Ether
Concen: 42.581 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 73 Resp: 329521

Ion	Ratio	Lower	Upper
73	100		
43	24.6	20.2	30.2
57	24.6	19.6	29.4

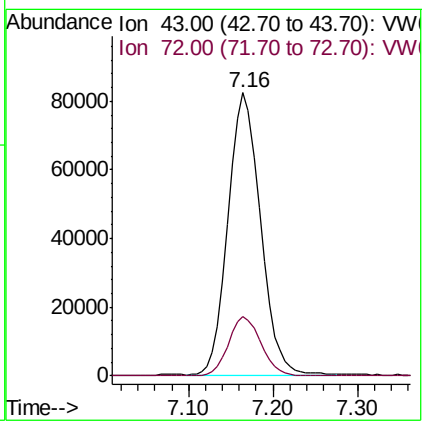


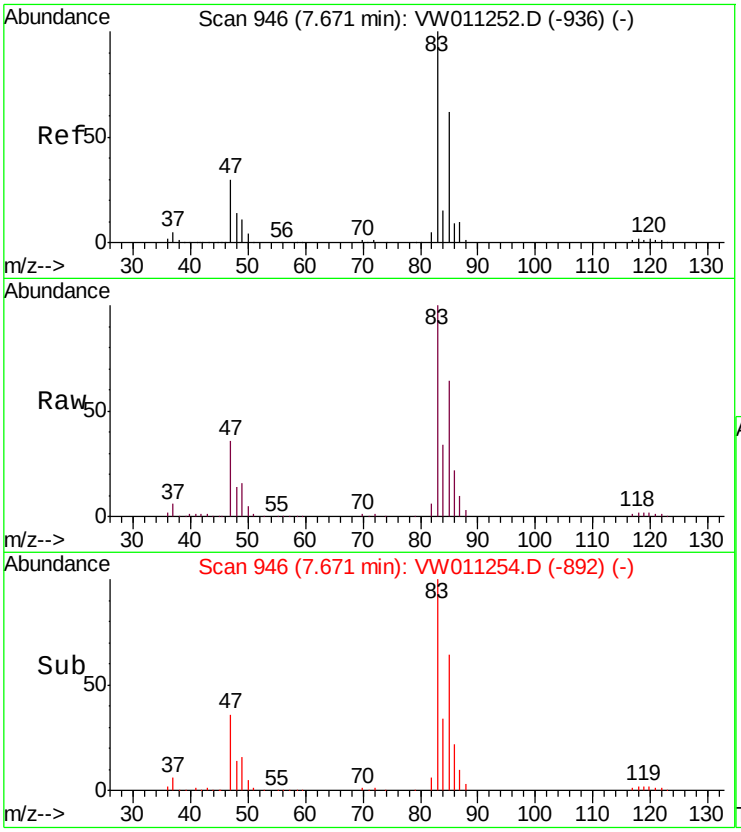


#21
2-Butanone
Concen: 74.565 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 43 Resp: 214744

Ion	Ratio	Lower	Upper
43	100		
72	21.0	11.2	33.6



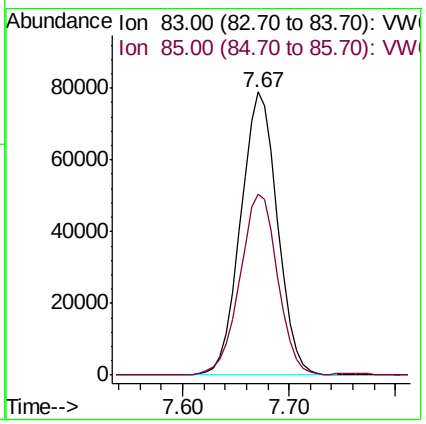


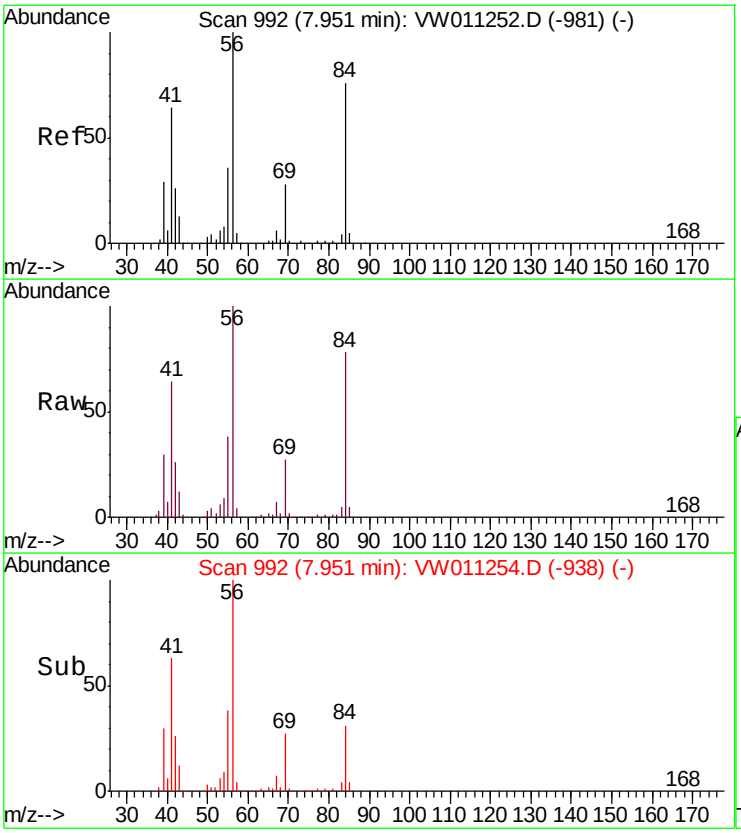
#25
Chloroform
Concen: 19.735 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 83 Resp: 191361

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.6	84.6

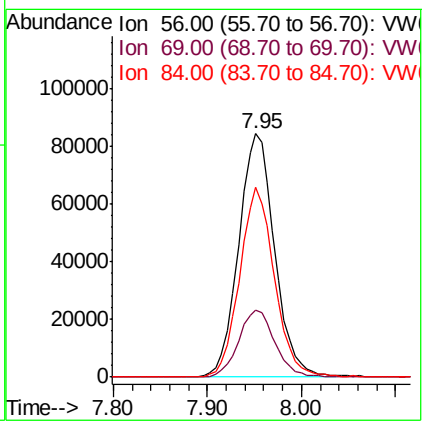


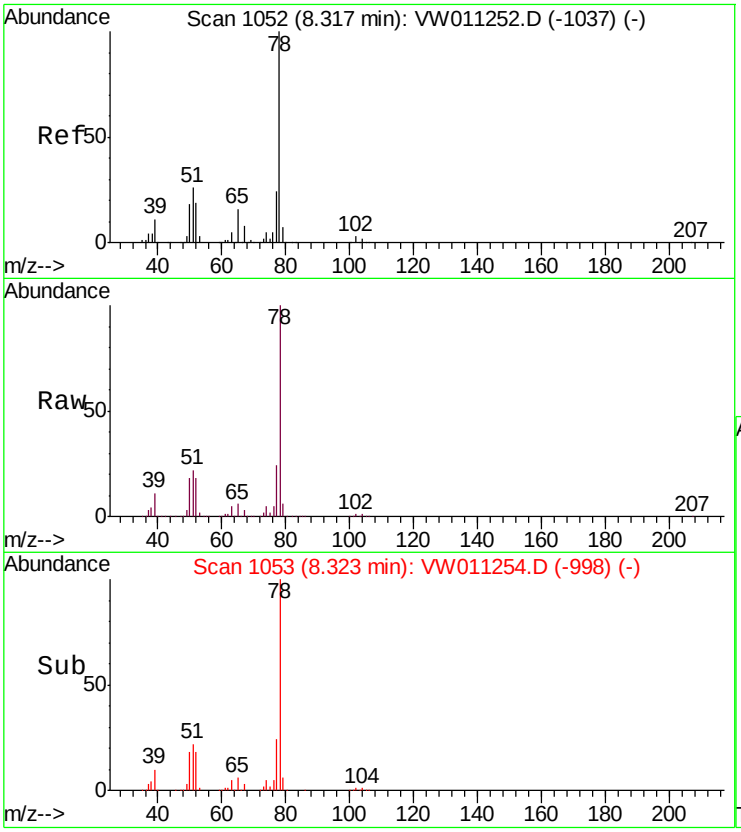


#30
Cyclohexane
Concen: 21.809 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 56 Resp: 225279

Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.5	33.7
84	75.4	60.9	91.3

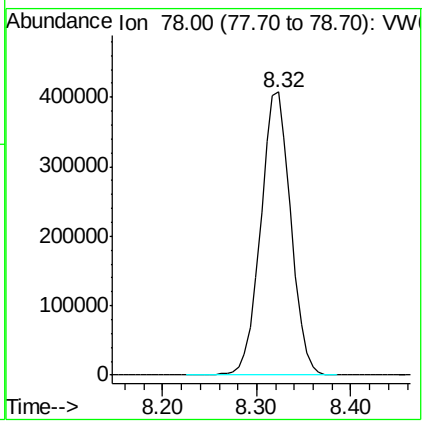


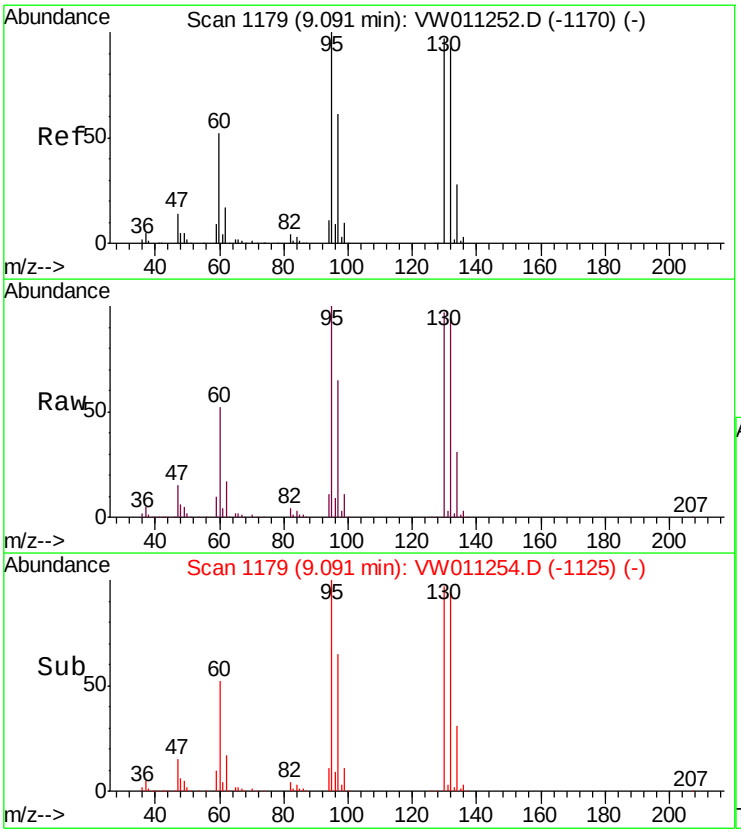


#34
Benzene
Concen: 42.980 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 78 Resp: 912617

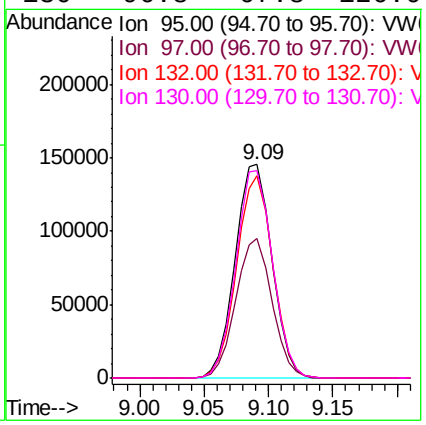


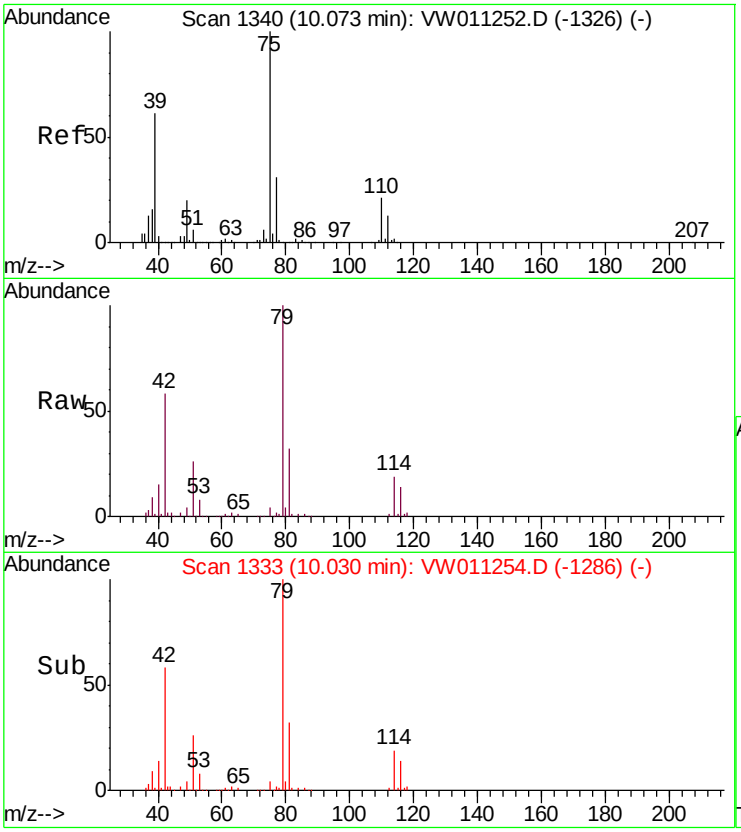


#35
Trichloroethene
Concen: 53.814 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 95 Resp: 288353

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.2
132	92.9	65.0	120.8
130	96.8	67.8	126.0



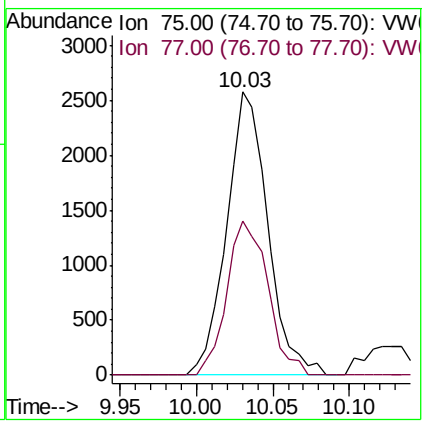


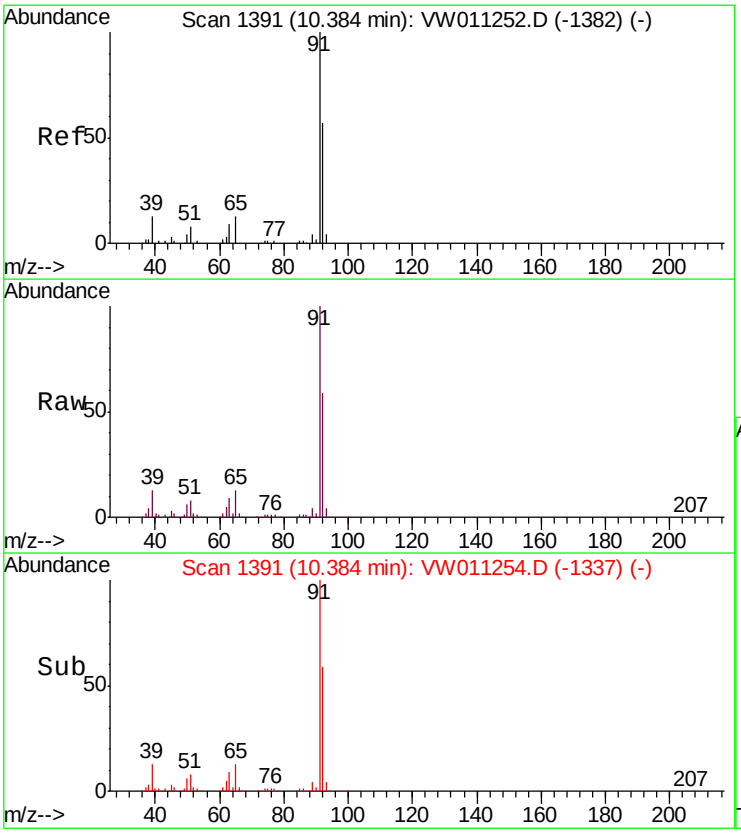
#42
cis-1,3-Dichloropropene
Concen: 0.560 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion: 75 Resp: 4811

Ion	Ratio	Lower	Upper
75	100		
77	54.5	21.1	39.1#

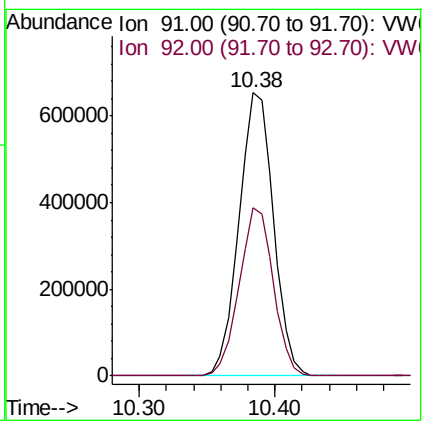


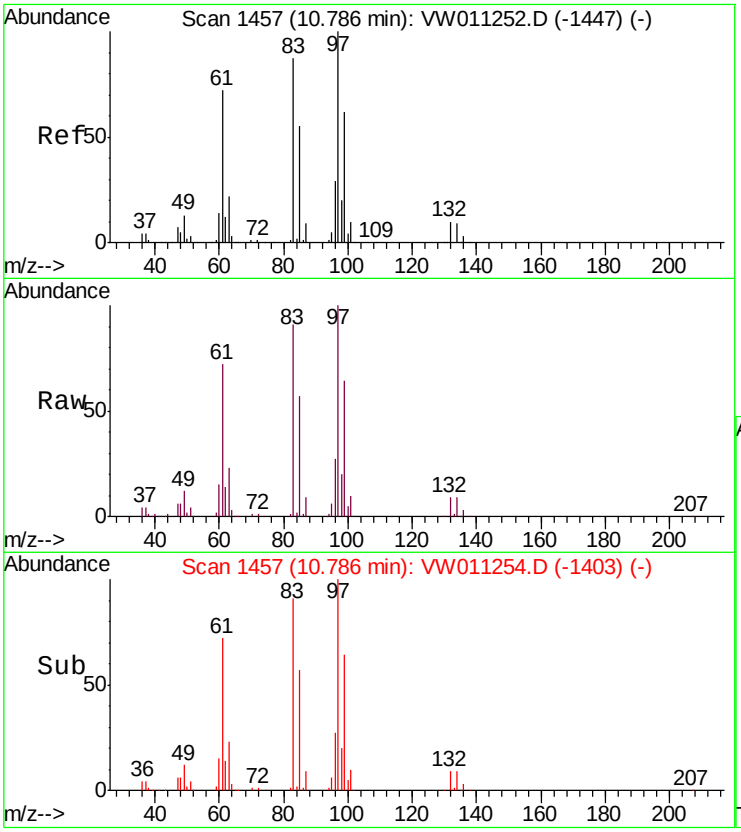


#44
Toluene
Concen: 52.772 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 91 Resp: 1159828

Ion	Ratio	Lower	Upper
91	100		
92	59.3	40.8	75.8



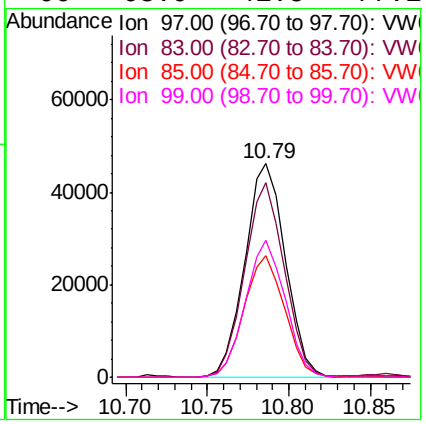


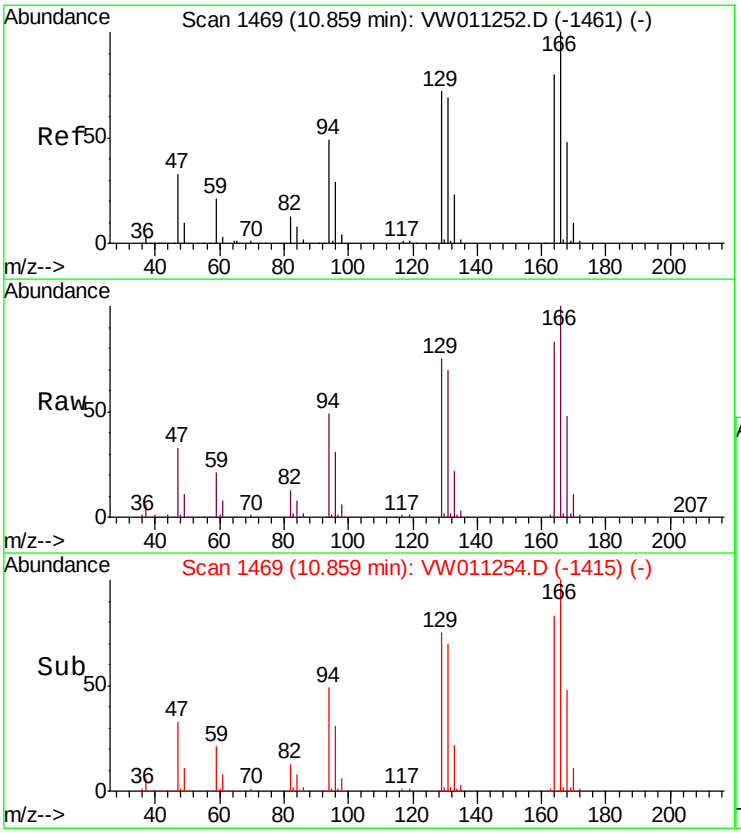
#46
1,1,2-Trichloroethane
Concen: 19.939 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion: 97 Resp: 80340

Ion	Ratio	Lower	Upper
97	100		
83	91.1	63.1	117.3
85	57.2	39.0	72.4
99	63.9	41.5	77.1

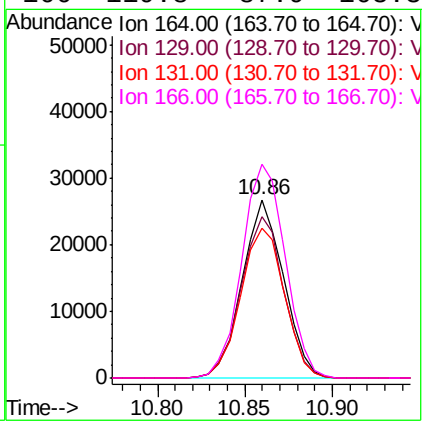


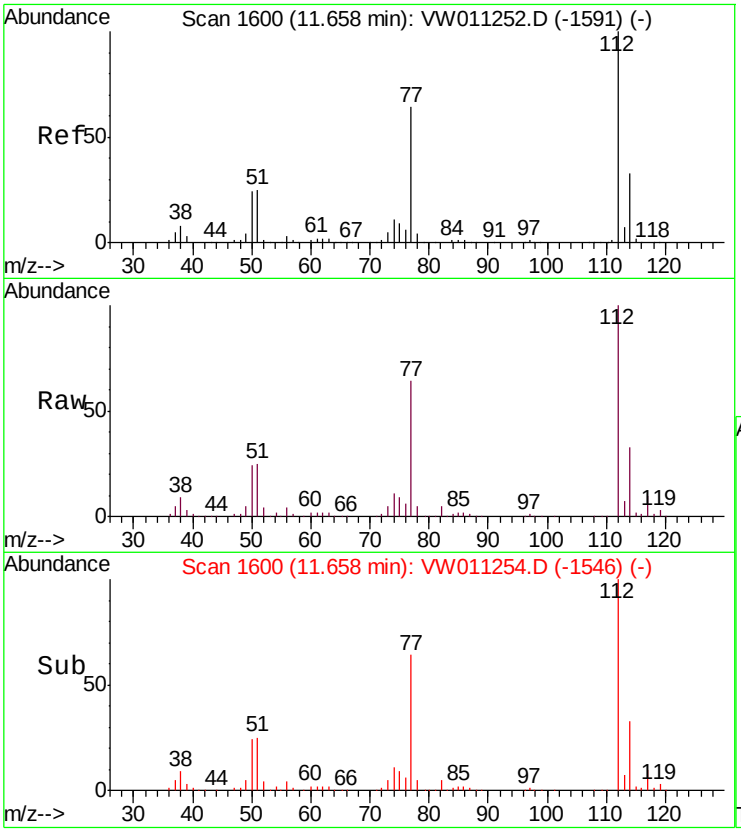


#47
Tetrachloroethene
Concen: 10.818 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:164 Resp: 43808

Ion	Ratio	Lower	Upper
164	100		
129	90.4	68.5	127.1
131	84.1	64.8	120.4
166	119.8	87.9	163.3



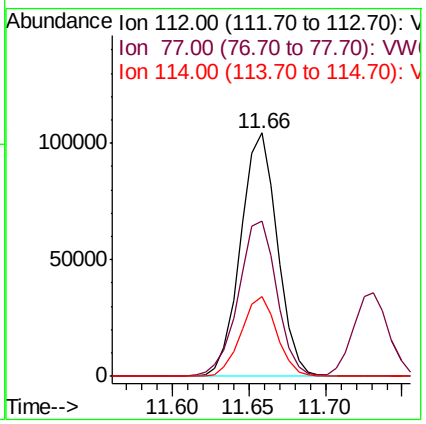


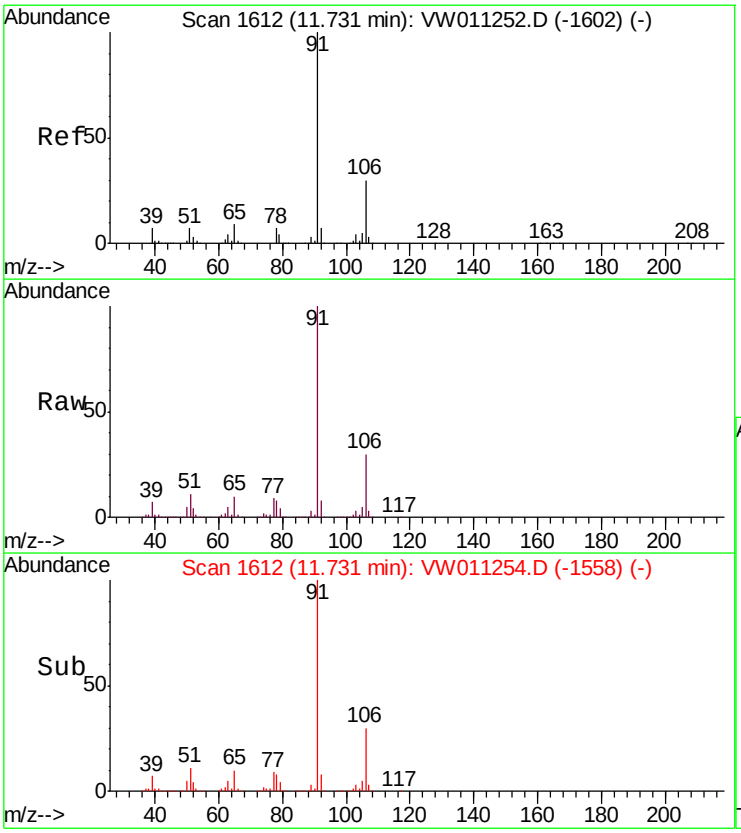
#52
Chlorobenzene
Concen: 12.950 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion:112 Resp: 173877

Ion	Ratio	Lower	Upper
112	100		
77	63.6	51.2	76.8
114	32.8	22.0	40.8

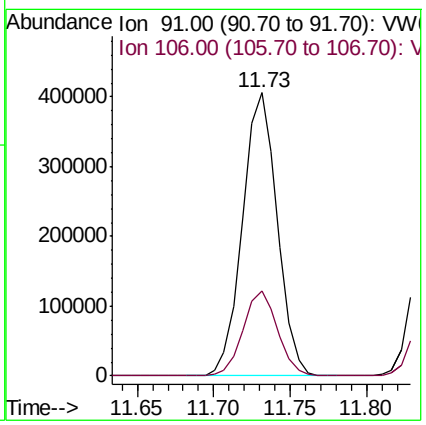


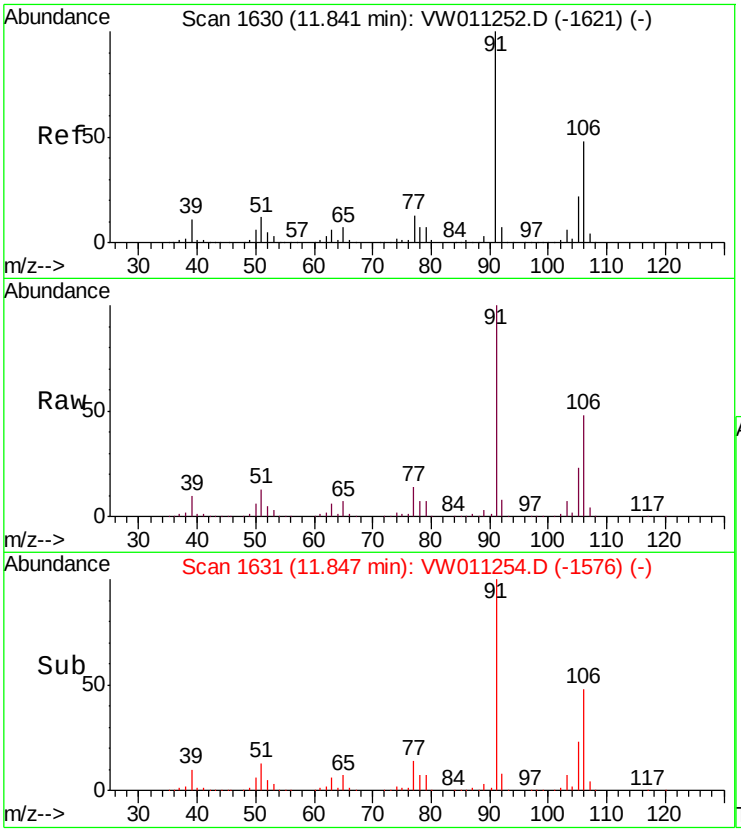


#53
Ethylbenzene
Concen: 25.702 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 91 Resp: 640744

Ion	Ratio	Lower	Upper
91	100		
106	29.9	20.6	38.4



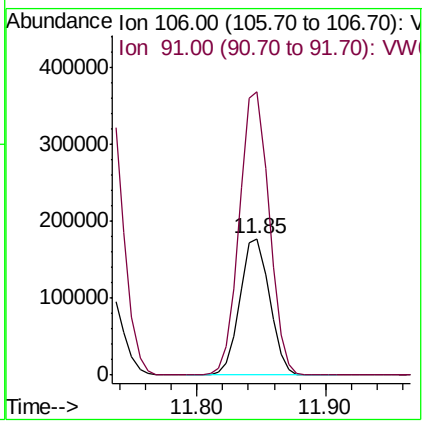


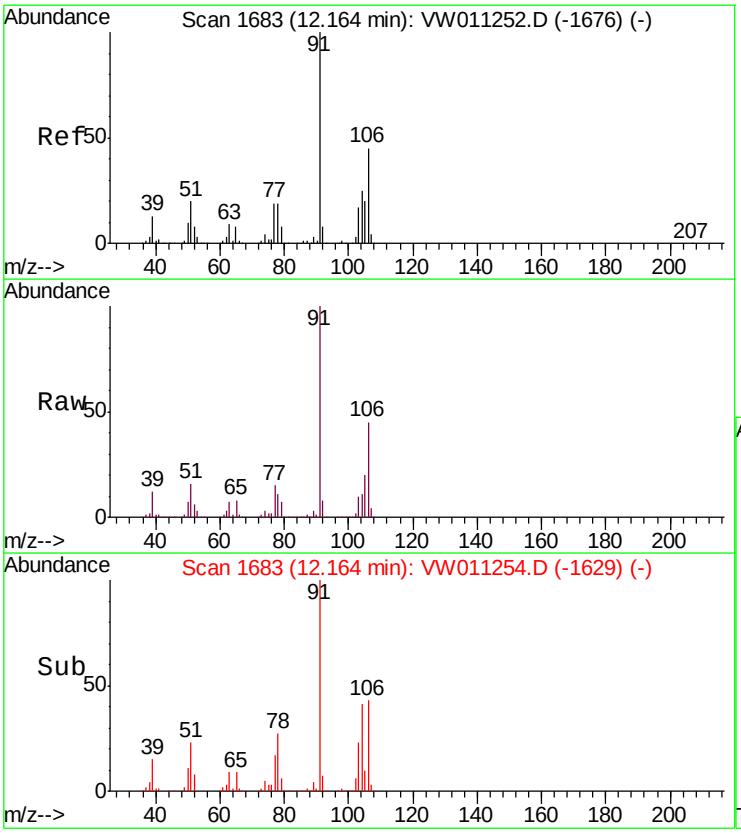
#54
m,p-Xylene
Concen: 31.181 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion:106 Resp: 282220

Ion	Ratio	Lower	Upper
106	100		
91	207.3	142.6	264.8

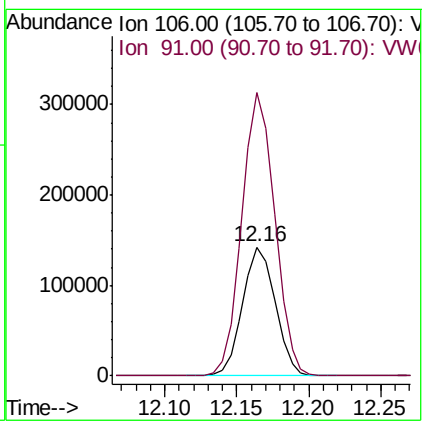


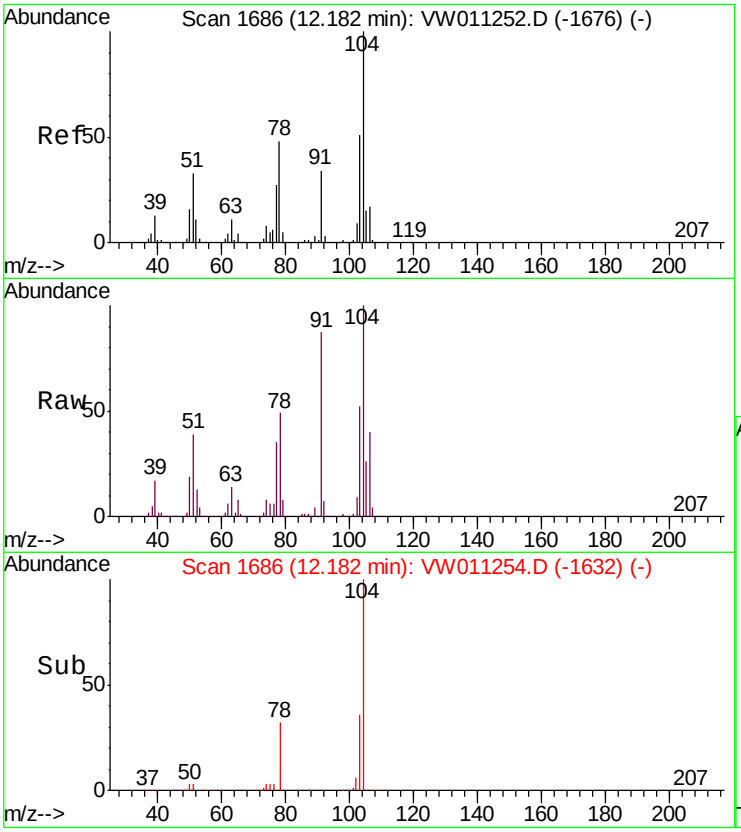


#55
o-xylene
Concen: 26.013 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:106 Resp: 223976

Ion	Ratio	Lower	Upper
106	100		
91	220.3	154.6	287.2



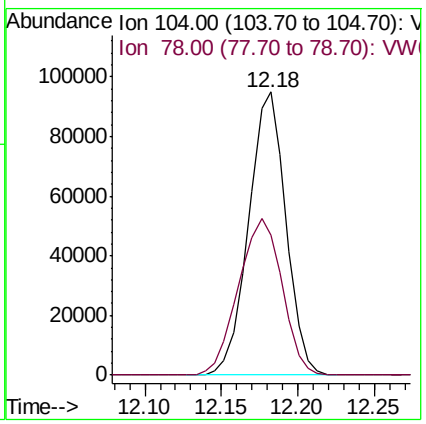


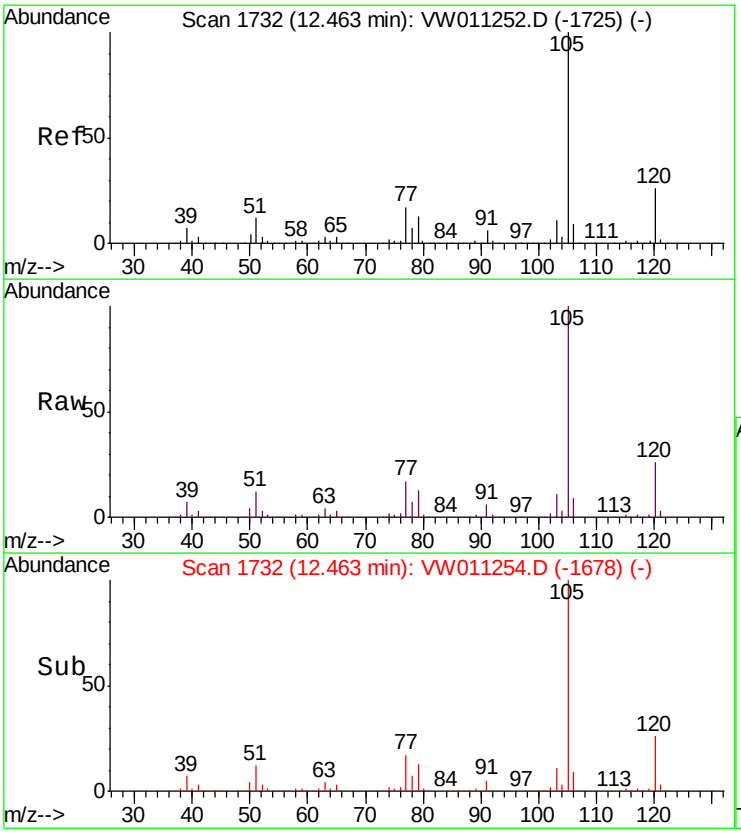
#56
Styrene
Concen: 10.915 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion:104 Resp: 161225

Ion	Ratio	Lower	Upper
104	100		
78	49.5	33.7	62.7

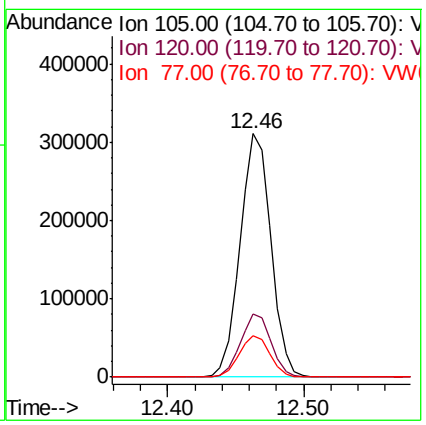


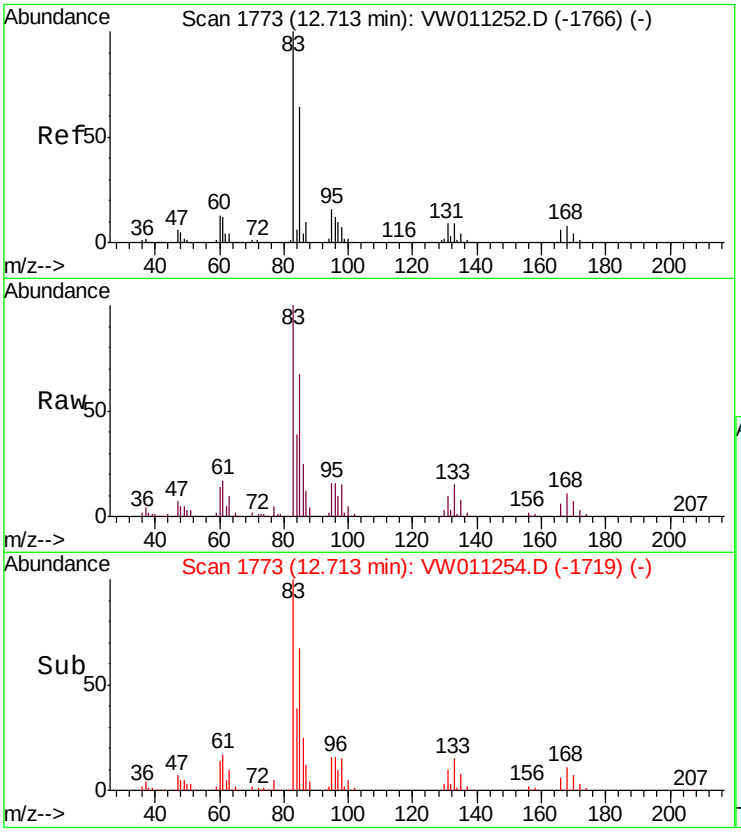


#57
Isopropylbenzene
Concen: 20.951 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:105 Resp: 492438

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1
77	16.9	13.5	20.3



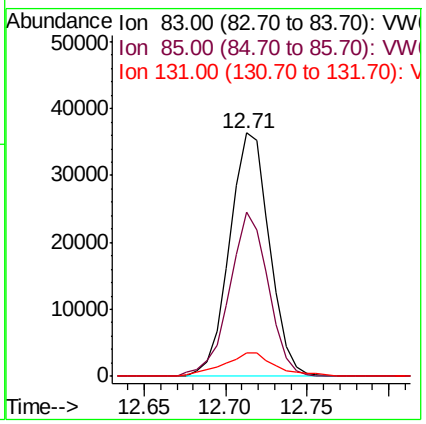


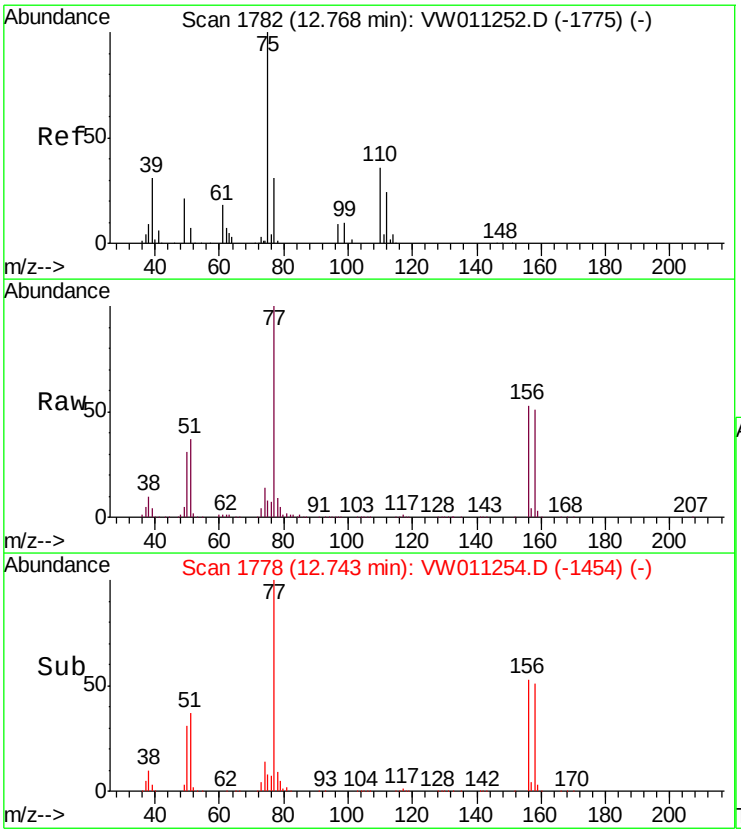
#58
1,1,2,2-Tetrachloroethane
Concen: 11.543 ug/L
RT: 12.71 min Scan# 1773
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion: 83 Resp: 61873

Ion	Ratio	Lower	Upper
83	100		
85	67.4	44.0	81.6
131	9.5	6.7	10.1

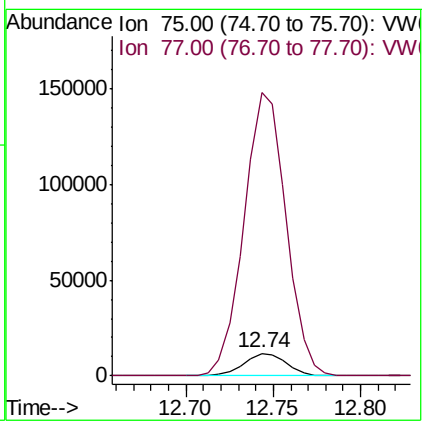


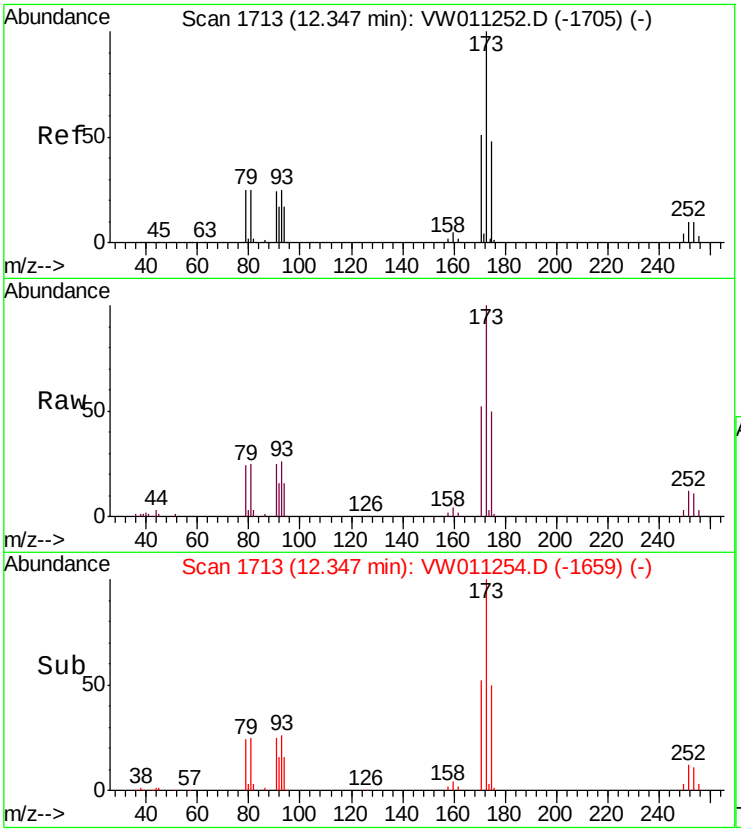


#59
1,2,3-Trichloropropane
Concen: 4.876 ug/L
RT: 12.74 min Scan# 1778
Delta R.T. -0.02 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion: 75 Resp: 20072

Ion	Ratio	Lower	Upper
75	100		
77	1239.6	25.4	38.0#



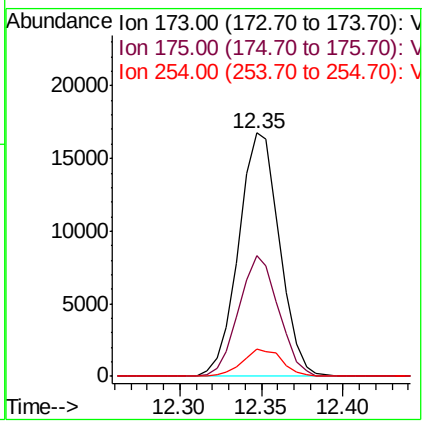


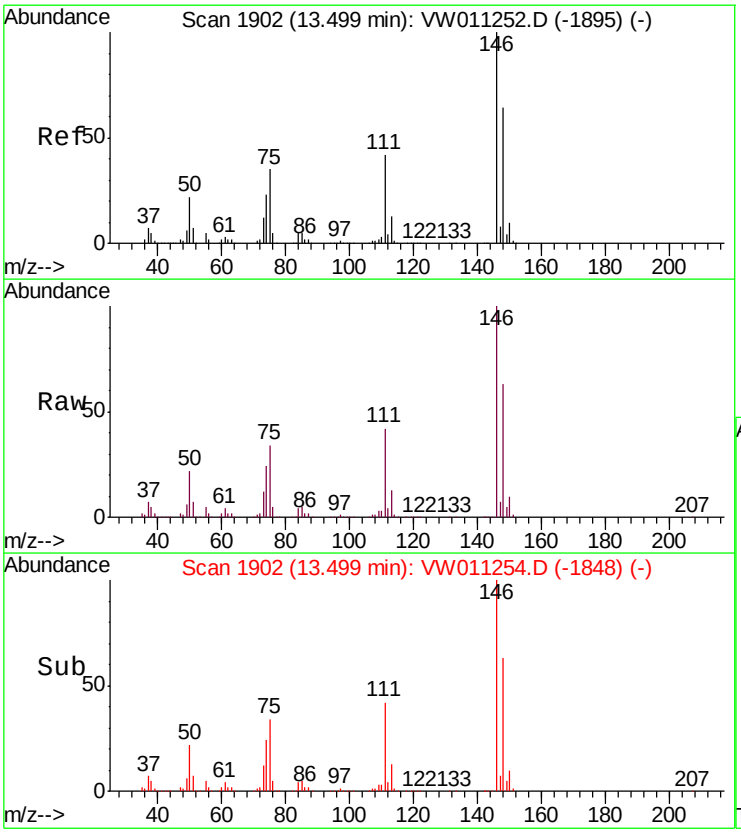
#62
Bromoform
Concen: 11.695 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument : MSVOA_W
ClientSampleId : A52S4

Tgt Ion:173 Resp: 29220

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.0	58.6
254	11.1	8.5	12.7

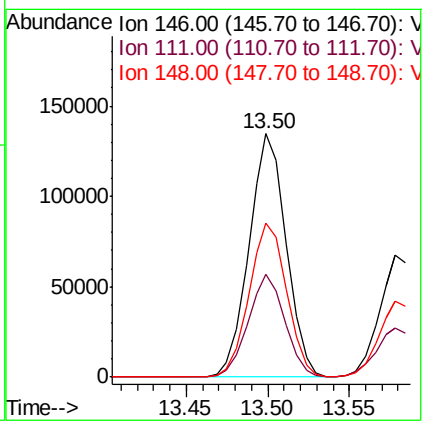


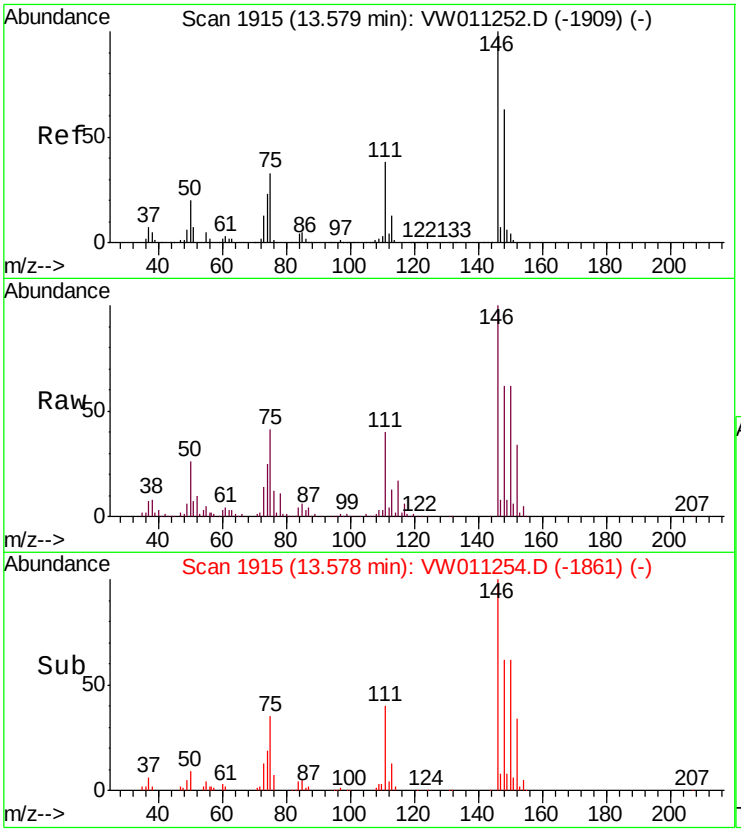


#63
1,3-Dichlorobenzene
Concen: 20.599 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:146 Resp: 212465

Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.0	53.8
148	63.2	44.4	82.5



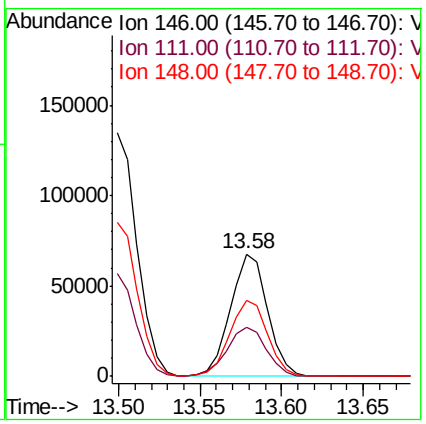


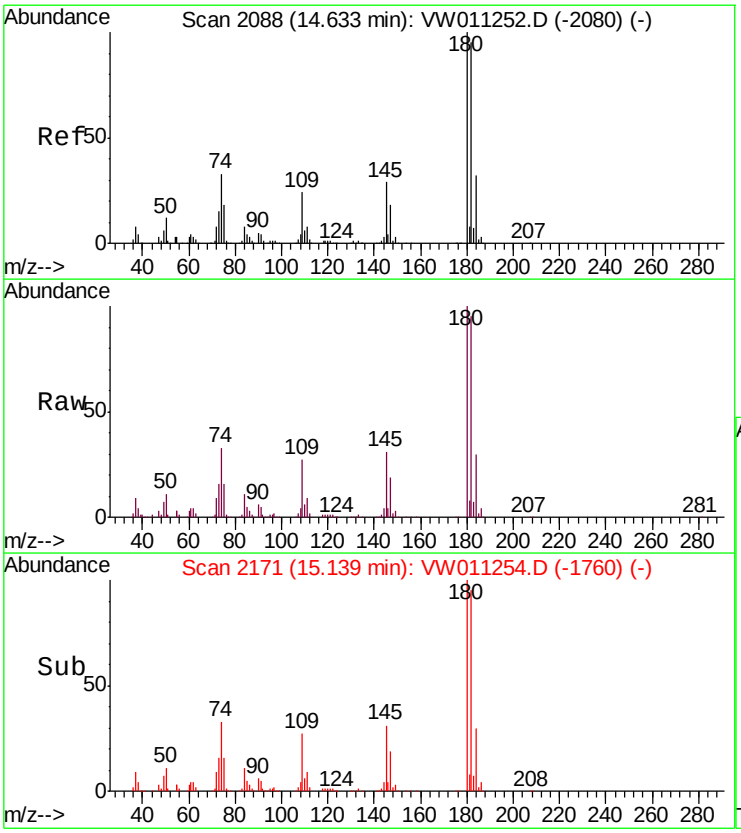
#64
1,4-Dichlorobenzene
Concen: 10.164 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion:146 Resp: 107322

Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.5	51.1
148	62.4	43.8	81.3

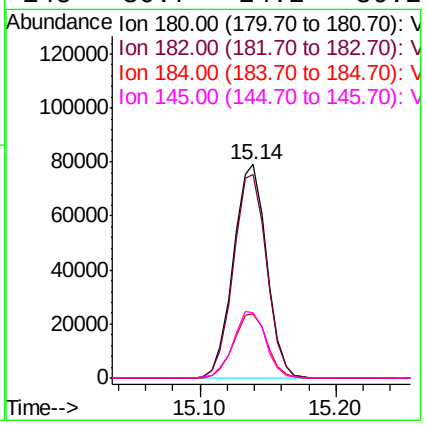


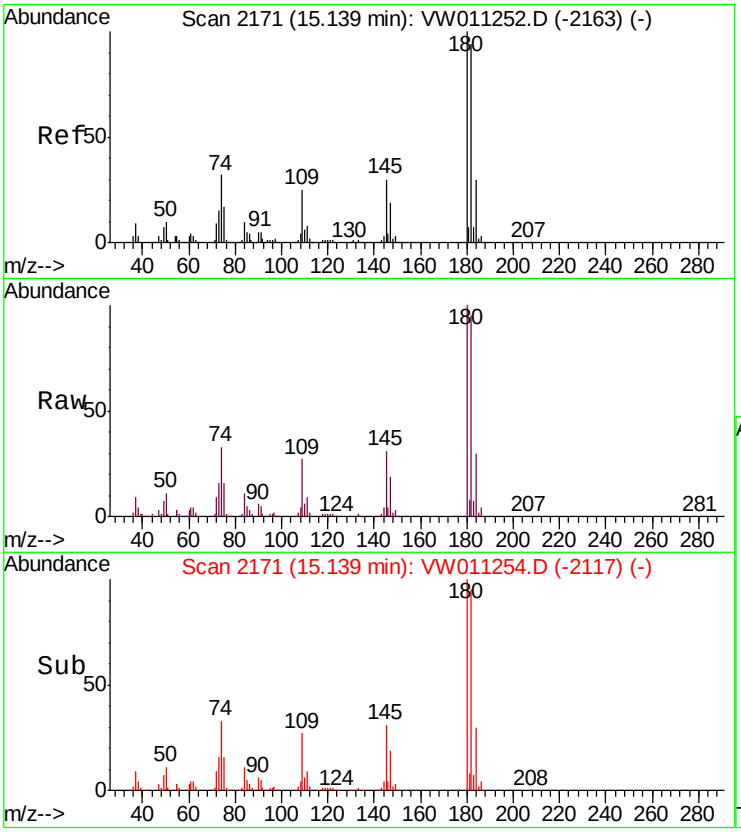


#67
1,3,5-Trichlorobenzene
Concen: 17.189 ug/L
RT: 15.14 min Scan# 2171
Delta R.T. 0.51 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:180 Resp: 134329

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
184	30.3	24.3	36.5
145	30.7	24.2	36.2



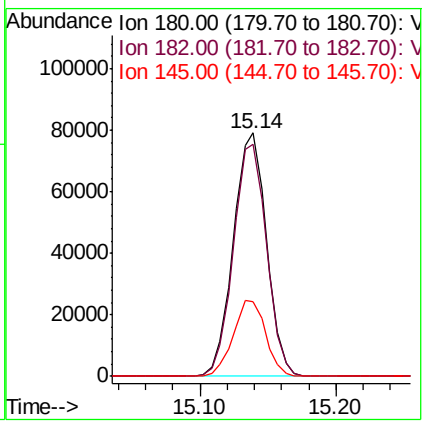


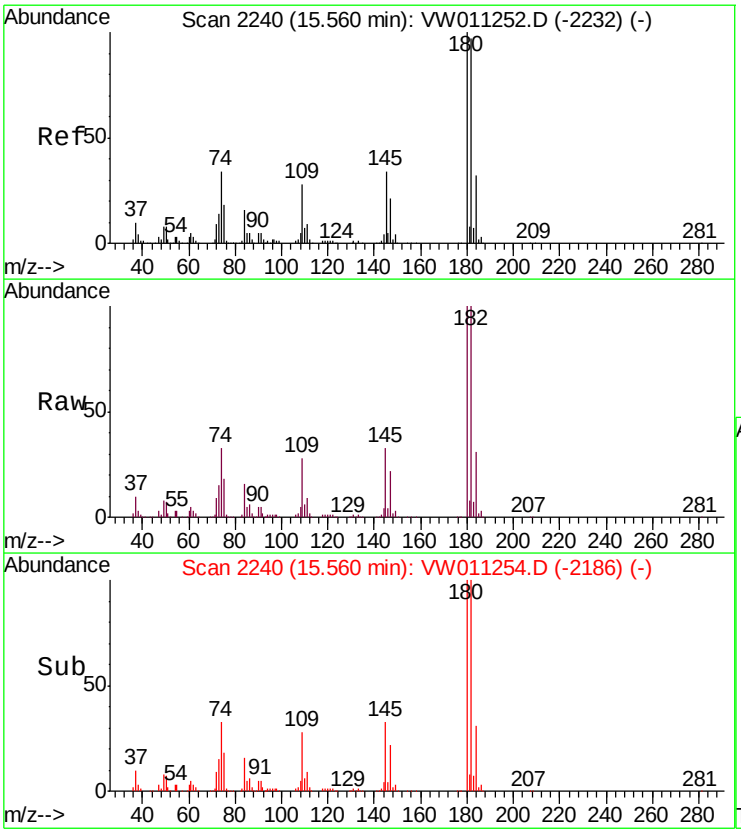
#68
1,2,4-trichlorobenzene
Concen: 20.517 ug/L
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
A52S4

Tgt Ion:180 Resp: 134329

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
145	30.7	24.5	36.7





#70
1,2,3-Trichlorobenzene
Concen: 30.428 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011254.D
Acq: 15 Jul 2019 11:34

Tgt Ion:180 Resp: 182276

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.4	114.6
145	32.8	25.5	38.3