Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082918\
Data File : VV007254.D
Acq On : 29 Aug 2018 13:34
Operator : SY/MD
Sample : J4649-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Aug 30 04:43:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 30 04:42:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	229774	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	234365	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102052	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	74355	4.56	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 91.20%			
7) Chloroethane-d5	1.58	69	66439	5.05	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 101.00%			
11) 1,1-Dichloroethene-d2	2.13	63	130675	4.63	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 92.60%			
20) 2-Butanone-d5	3.97	46	243523	59.80	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 119.60%			
24) Chloroform-d	4.40	84	172910	5.25	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 105.00%			
26) 1,2-Dichloroethane-d4	5.09	65	92139	5.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 112.20%			
32) Benzene-d6	5.10	84	335440	5.04	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.80%			
36) 1,2-Dichloropropane-d6	6.12	67	110781	5.11	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 102.20%			
41) Toluene-d8	7.37	98	243615	4.21	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 84.20%			
43) trans-1,3-Dichloropropene-	7.67	79	37948	4.93	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 98.60%			
46) 2-Hexanone-d5	8.15	63	112058	55.35	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 110.70%			
57) 1,1,2,2-Tetrachloroethane-	10.27	84	90637	5.38	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 107.60%			
64) 1,2-Dichlorobenzene-d4	11.68	152	108318	5.52	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 110.40%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	82272	4.446	ug/L	98
6) Bromomethane	1.54	94	27680	4.364	ug/L	98
9) Trichlorofluoromethane	1.77	101	200250	8.081	ug/L	100
12) 1,1-Dichloroethene	2.14	96	57487	4.135	ug/L	95
13) Acetone	2.21	43	150962	73.917	ug/L	98
14) Carbon disulfide	2.32	76	253880	6.193	ug/L	99
15) Methyl Acetate	2.21	43	147517	27.236	ug/L #	47
16) Methylene chloride	2.54	84	43401	2.575	ug/L	95
17) Methyl tert-butyl Ether	2.82	73	337148	9.417	ug/L	99
19) 1,1-Dichloroethane	3.23	63	307109	9.739	ug/L	99
21) 2-Butanone	4.05	43	524933	123.608	ug/L	93
27) 1,2-Dichloroethane	5.19	62	148303	7.989	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	244235	8.943	ug/L	99
30) Cyclohexane	4.73	56	296639	12.343	ug/L	97
31) Carbon tetrachloride	4.66	117	32846	1.420	ug/L	100
34) Trichloroethene	5.96	95	93439	5.336	ug/L	98
35) Methylcyclohexane	6.18	83	164498	6.423	ug/L	100

Quantitation Report (Not Reviewed)

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Operator : SY/MD
Sample : J4649-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Aug 30 04:43:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 30 04:42:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,2-Dichloropropane	6.23	63	42284	2.295	ug/L		98
42) Toluene	7.44	91	618352	9.071	ug/L		100
47) Tetrachloroethene	8.02	164	130345	9.007	ug/L		95
48) 2-Hexanone	8.20	43	444265	61.685	ug/L		99
49) Dibromochloromethane	8.02	129	112040	7.494	ug/L	#	10
50) 1,2-Dibromoethane	8.40	107	196506	17.305	ug/L		100
51) Chlorobenzene	8.93	112	514500	11.102	ug/L		99
52) Ethylbenzene	9.06	91	481867	7.037	ug/L		99
53) m,p-xylene	9.19	106	403782	15.485	ug/L		99
54) o-xylene	9.59	106	143994	5.934	ug/L		100
55) Styrene	9.61	104	259367	6.096	ug/L		100
56) Isopropylbenzene	9.98	105	222704	3.451	ug/L		99
61) Bromoform	9.78	173	44770	5.845	ug/L		97
62) 1,3-Dichlorobenzene	11.32	146	142554	4.657	ug/L		98
63) 1,4-Dichlorobenzene	11.32	146	142554	4.406	ug/L		100
65) 1,2-Dichlorobenzene	11.70	146	416296	13.606	ug/L		98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7579	4.229	ug/L		97
67) 1,3,5-Trichlorobenzene	12.70	180	130642	5.831	ug/L		98
70) 1,2,3-Trichlorobenzene	13.80	180	163277	11.032	ug/L		99

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

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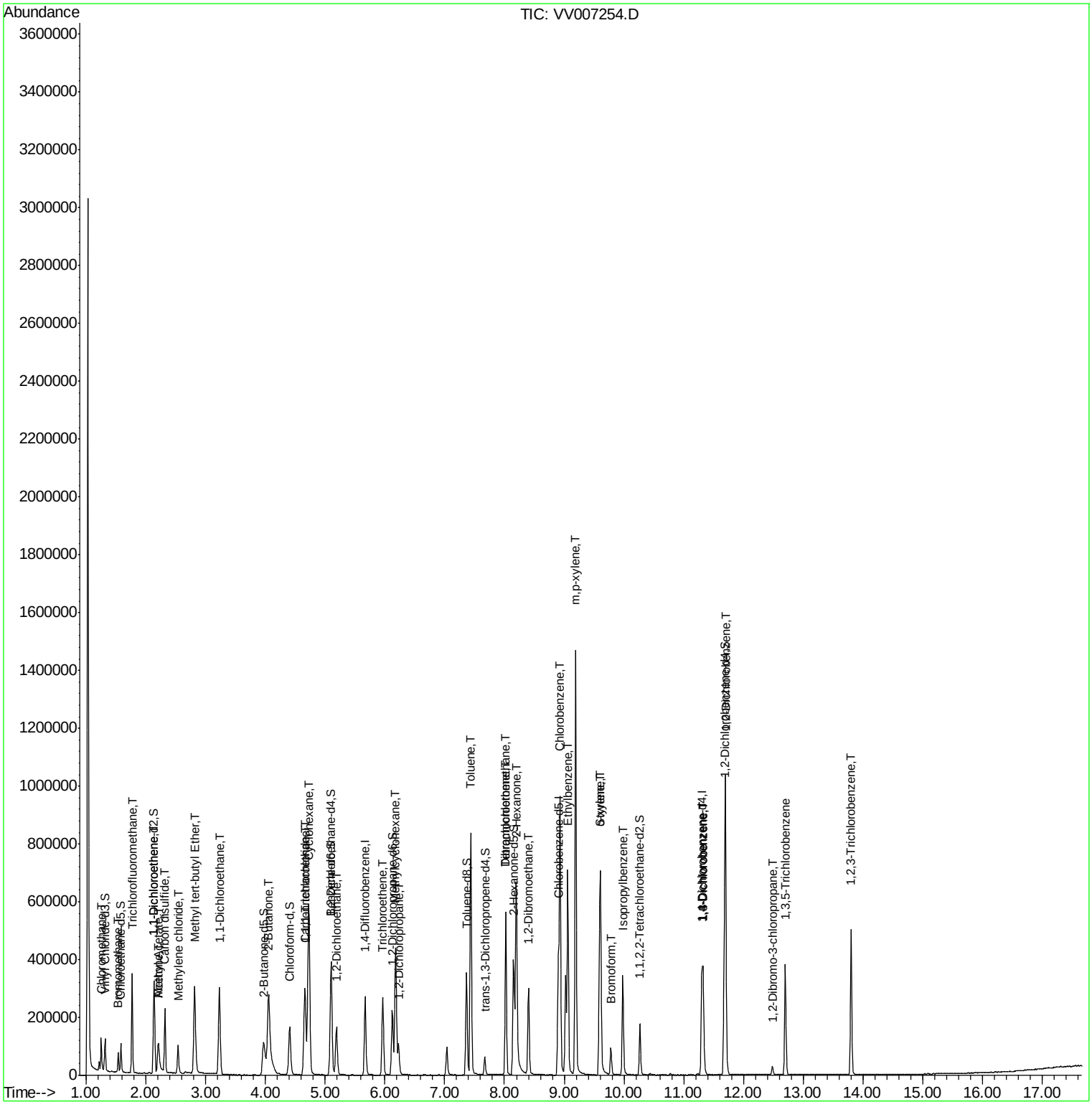
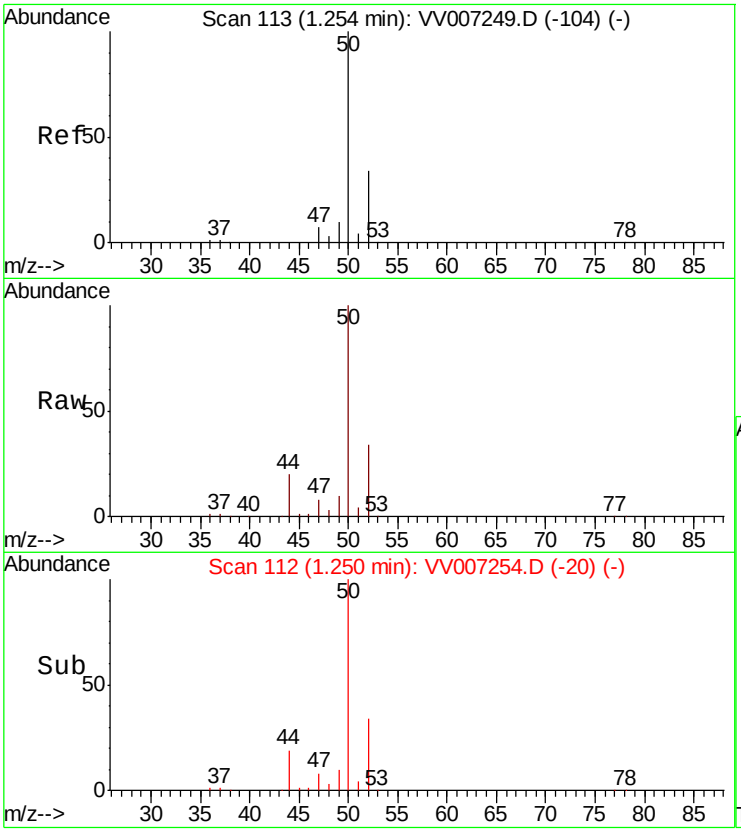
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 30 04:42:02 2018
Response via : Initial Calibration

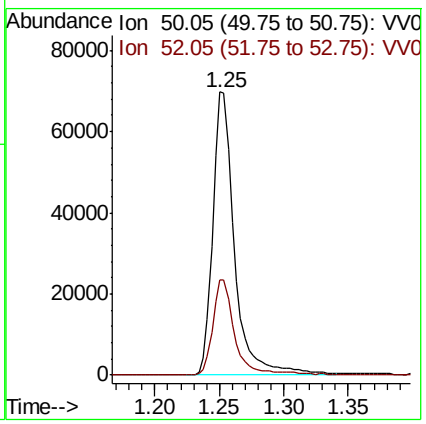




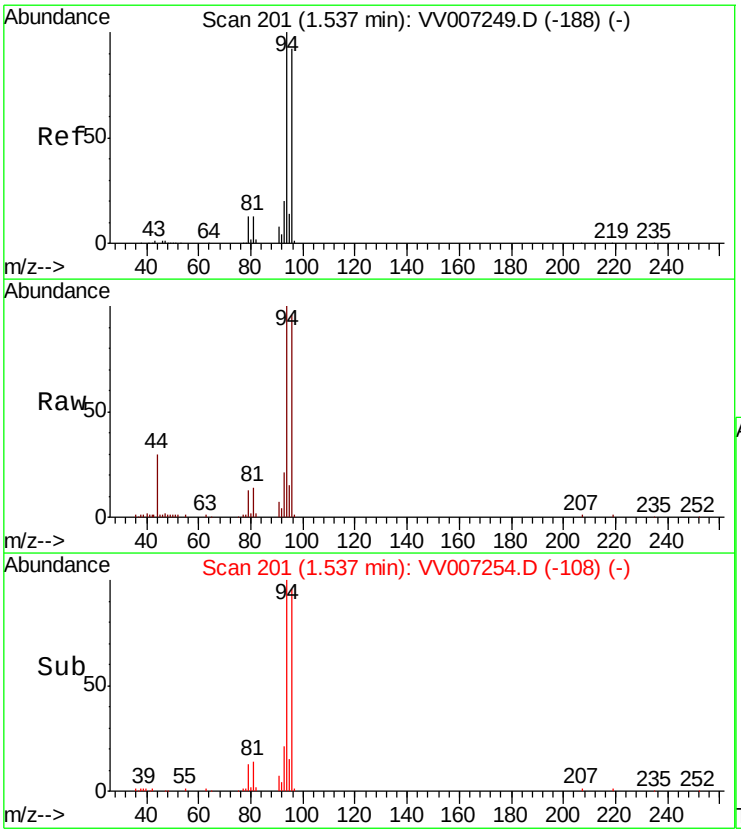
#3
Chloromethane
Concen: 4.446 ug/L
RT: 1.25 min Scan# 112
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 50 Resp: 82272

Ion	Ratio	Lower	Upper
50	100		
52	33.6	22.5	41.9



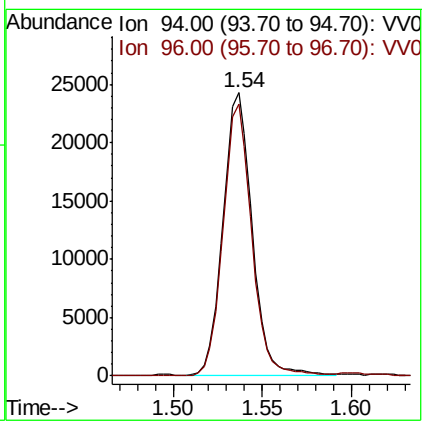
Instrument :
MSVOA_V
ClientSampleId :

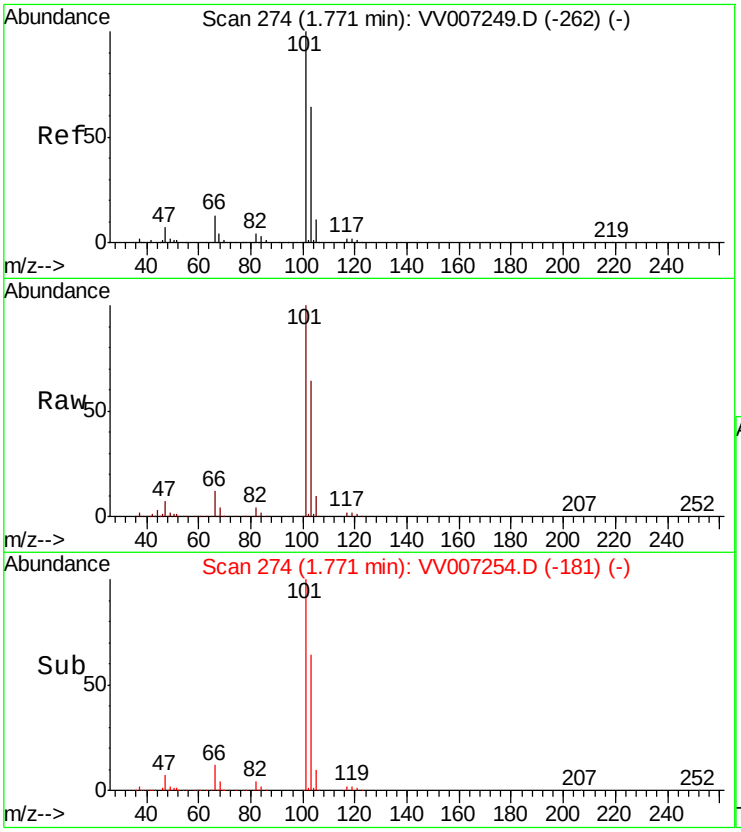


#6
Bromomethane
Concen: 4.364 ug/L
RT: 1.54 min Scan# 201
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 94 Resp: 27680

Ion	Ratio	Lower	Upper
94	100		
96	96.2	65.8	122.2



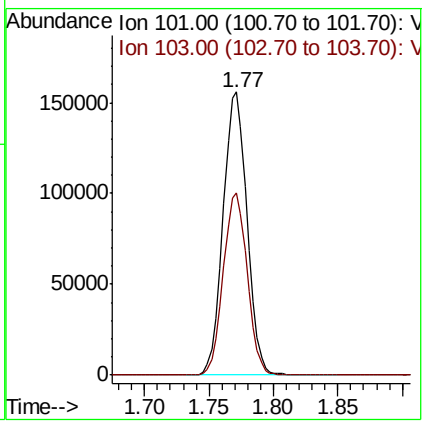


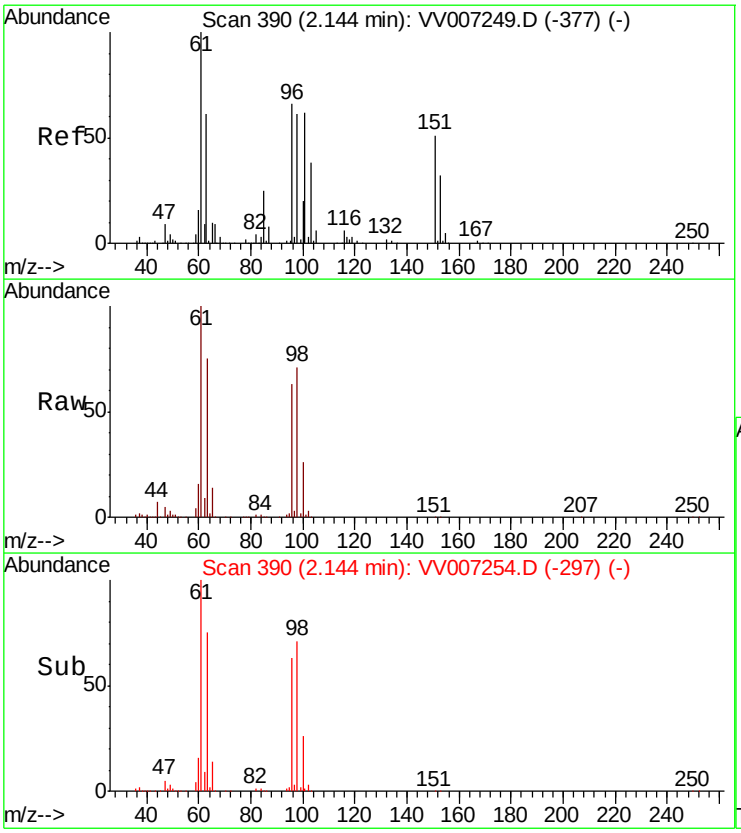
#9
Trichlorofluoromethane
Concen: 8.081 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:101 Resp: 200250

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

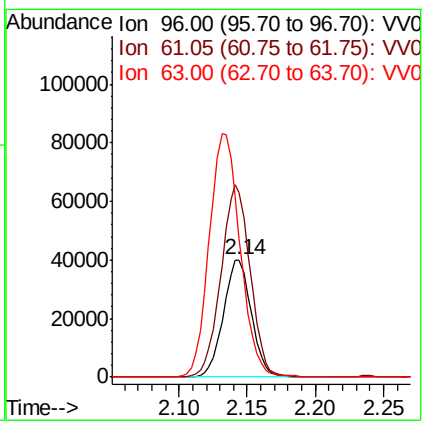


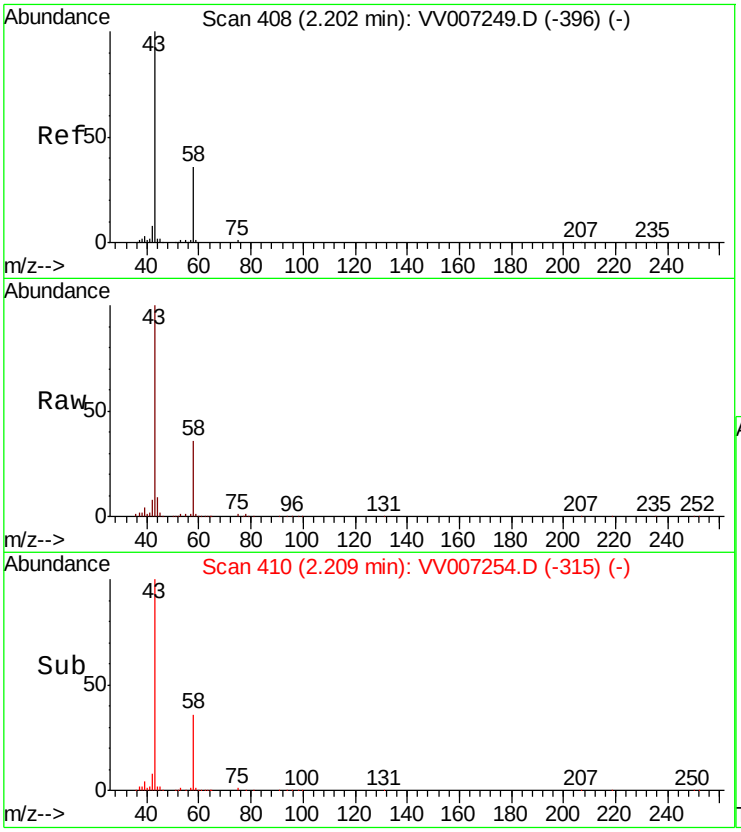


#12
1,1-Dichloroethene
Concen: 4.135 ug/L
RT: 2.14 min Scan# 390
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 96 Resp: 57487

Ion	Ratio	Lower	Upper
96	100		
61	157.5	112.3	208.5
63	118.0	75.4	140.0



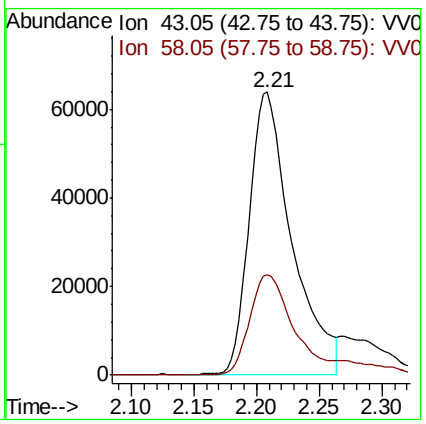


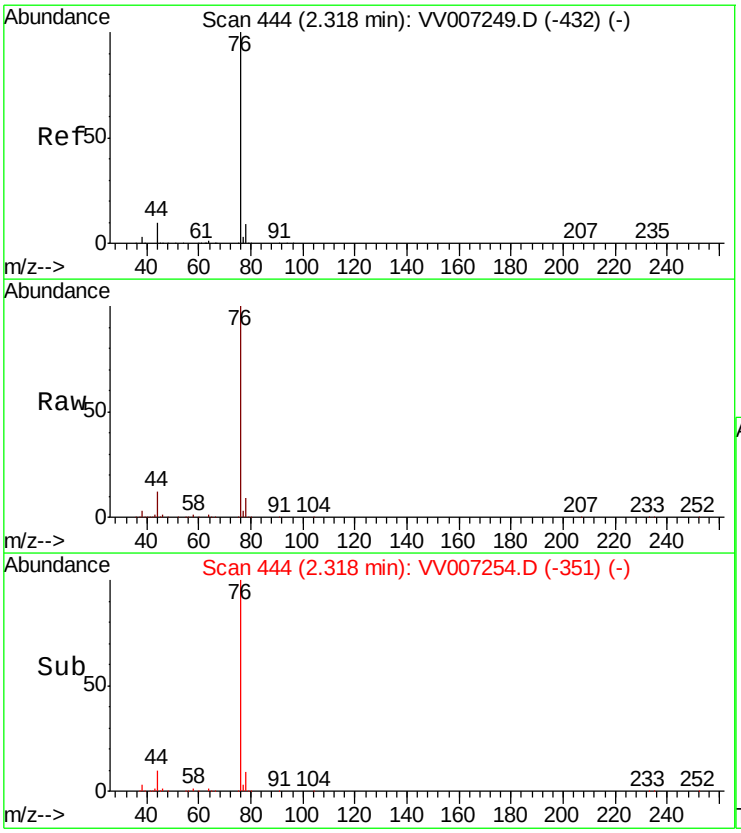
#13
Acetone
Concen: 73.917 ug/L
RT: 2.21 min Scan# 410
Delta R.T. 0.01 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 150962

Ion	Ratio	Lower	Upper
43	100		
58	36.1	0.0	70.2

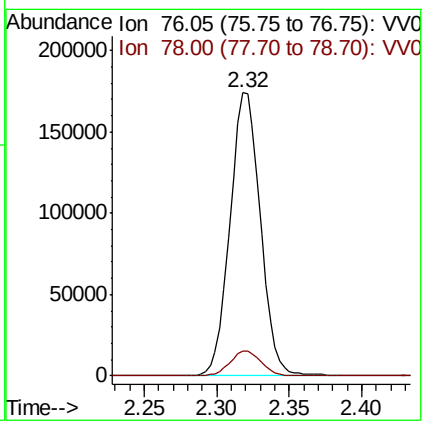


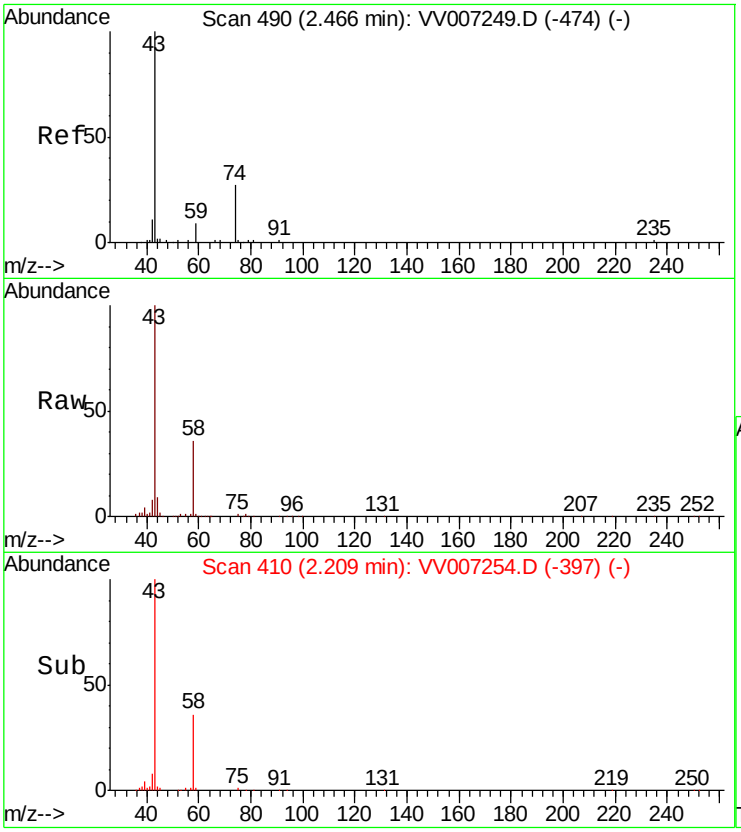


#14
Carbon disulfide
Concen: 6.193 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 76 Resp: 253880

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8



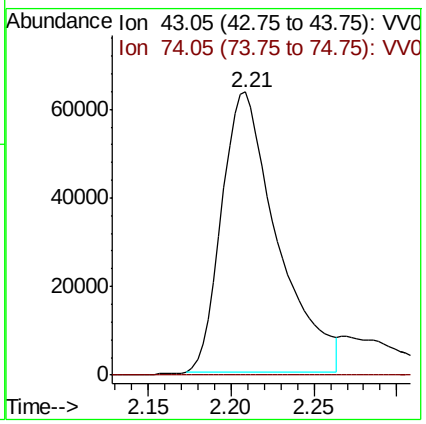


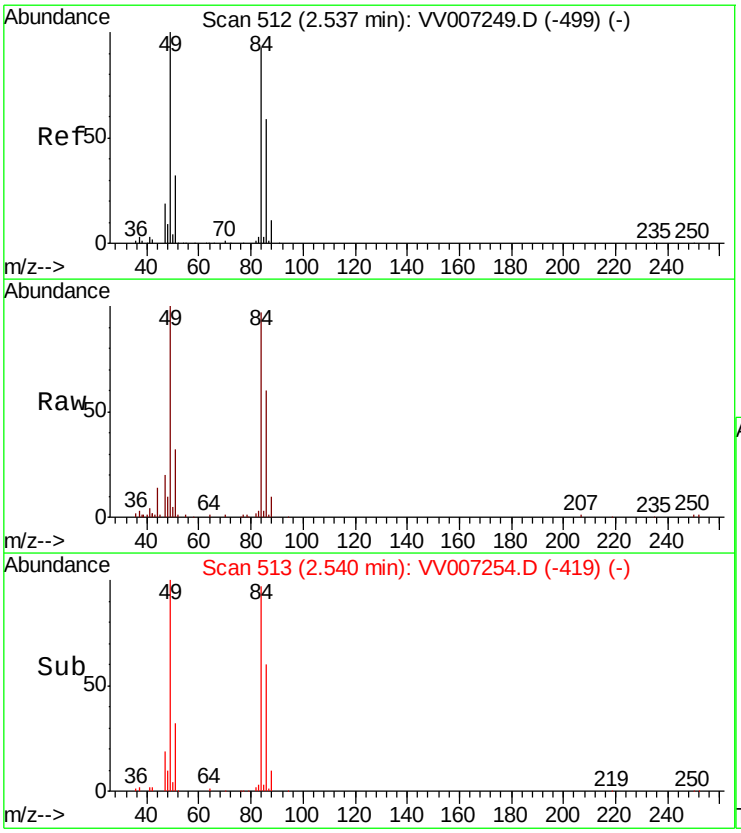
#15
Methyl Acetate
Concen: 27.236 ug/L
RT: 2.21 min Scan# 410
Delta R.T. -0.26 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 147517

Ion	Ratio	Lower	Upper
43	100		
74	0.1	22.2	33.2#

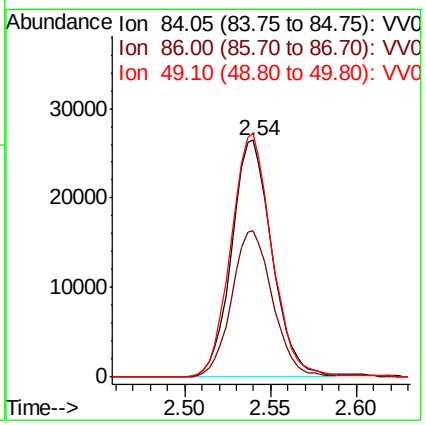


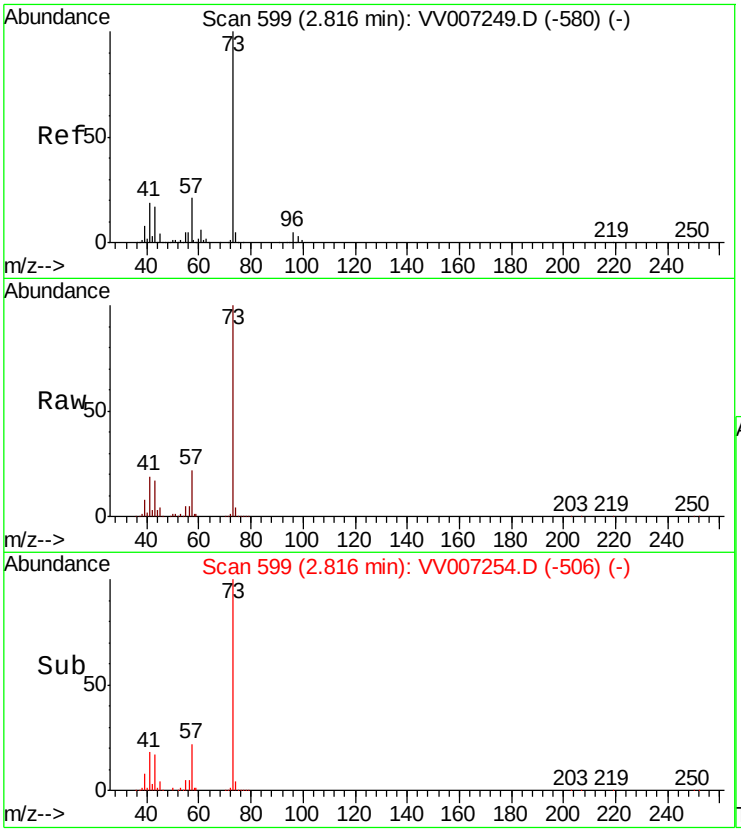


#16
Methylene chloride
Concen: 2.575 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 84 Resp: 43401

Ion	Ratio	Lower	Upper
84	100		
86	61.8	46.3	85.9
49	102.9	75.2	139.6



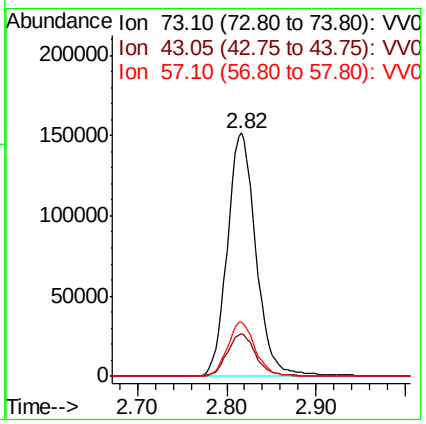


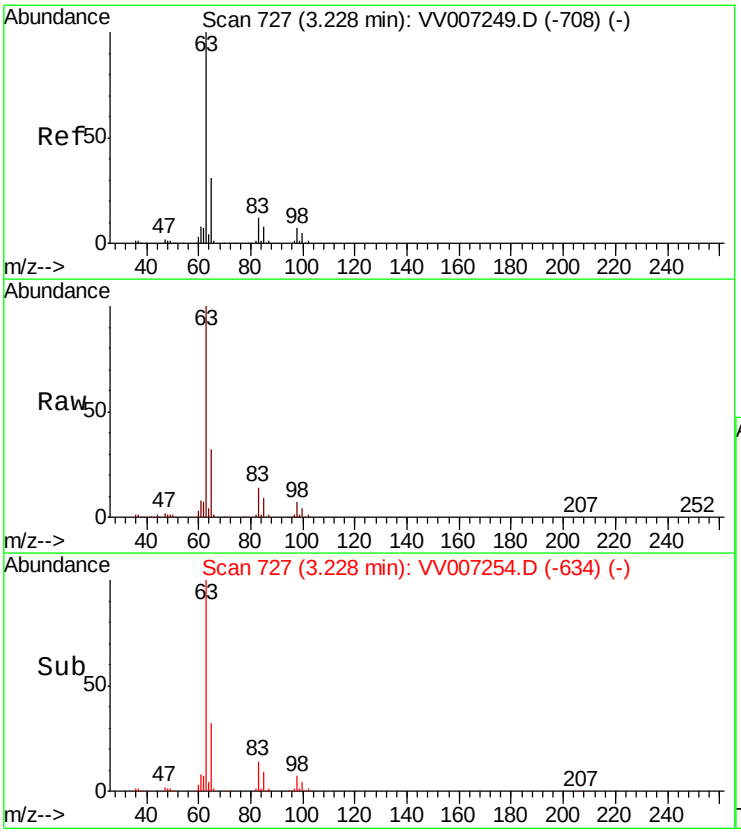
#17
Methyl tert-butyl Ether
Concen: 9.417 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 73 Resp: 337148

Ion	Ratio	Lower	Upper
73	100		
43	17.2	13.8	20.6
57	21.9	16.9	25.3

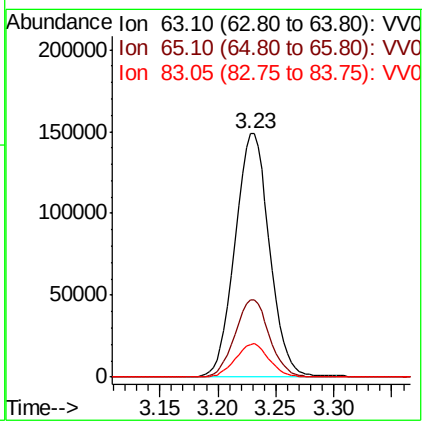


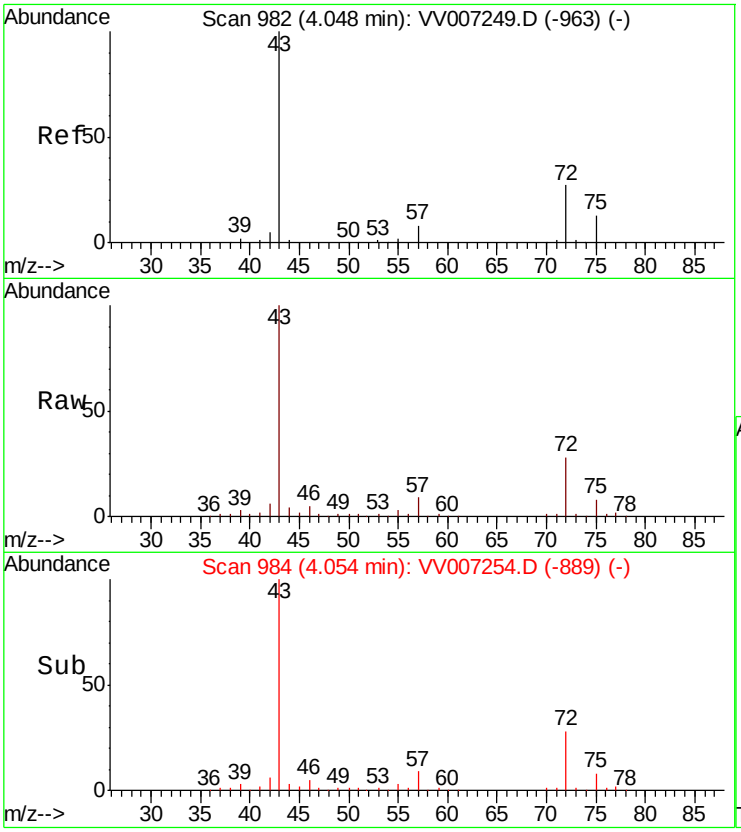


#19
1,1-Dichloroethane
Concen: 9.739 ug/L
RT: 3.23 min Scan# 727
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 63 Resp: 307109

Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.8	40.4
83	13.6	9.4	17.4



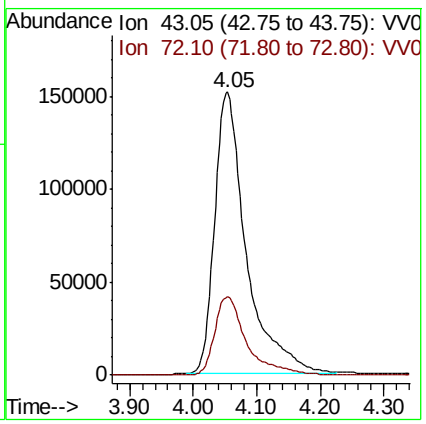


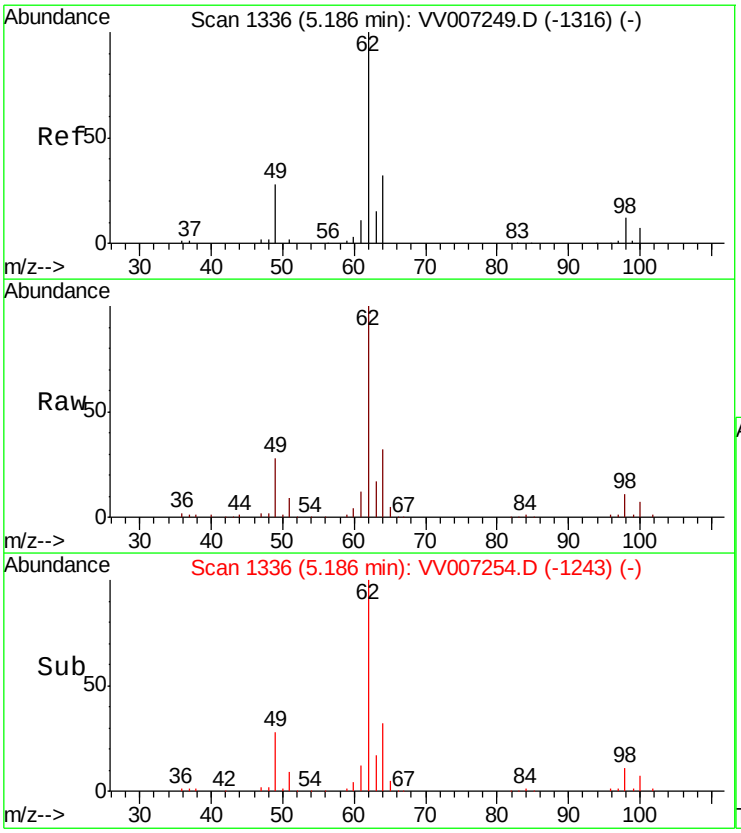
#21
2-Butanone
Concen: 123.608 ug/L
RT: 4.05 min Scan# 984
Delta R.T. 0.01 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 524933

Ion	Ratio	Lower	Upper
43	100		
72	28.2	12.4	37.0

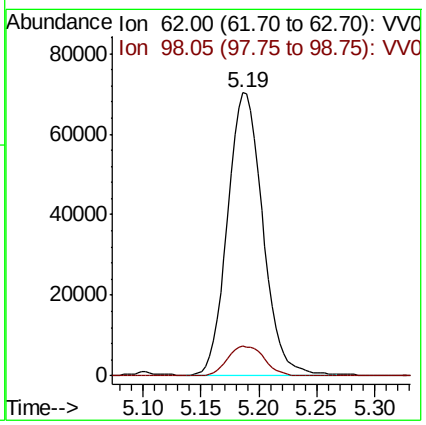


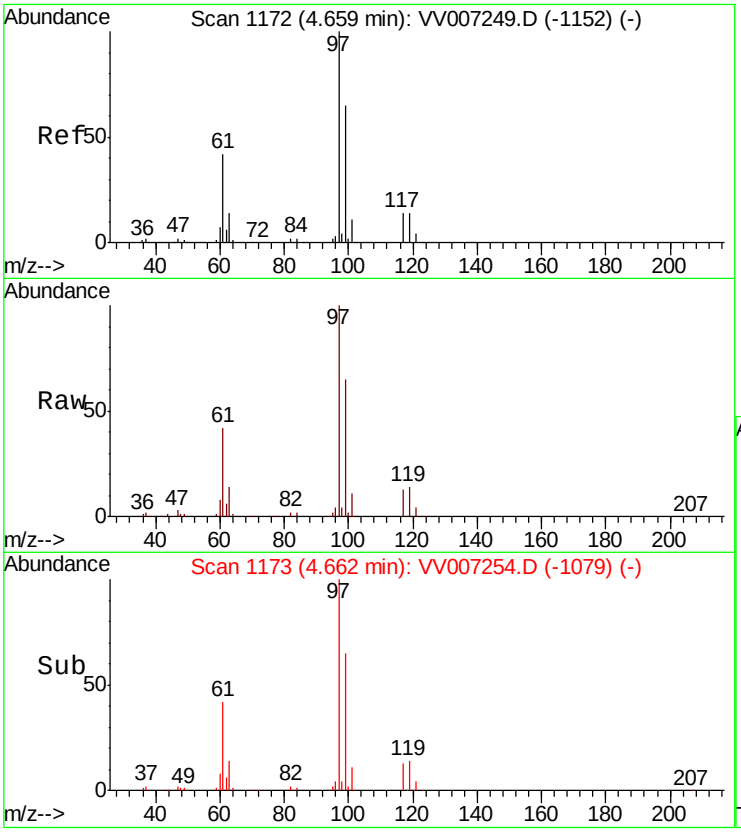


#27
1,2-Dichloroethane
Concen: 7.989 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 62 Resp: 148303

Ion	Ratio	Lower	Upper
62	100		
98	10.5	8.1	12.1



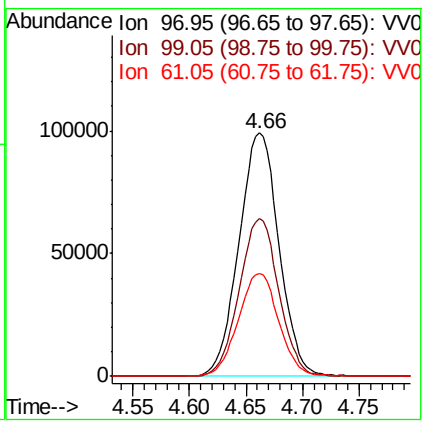


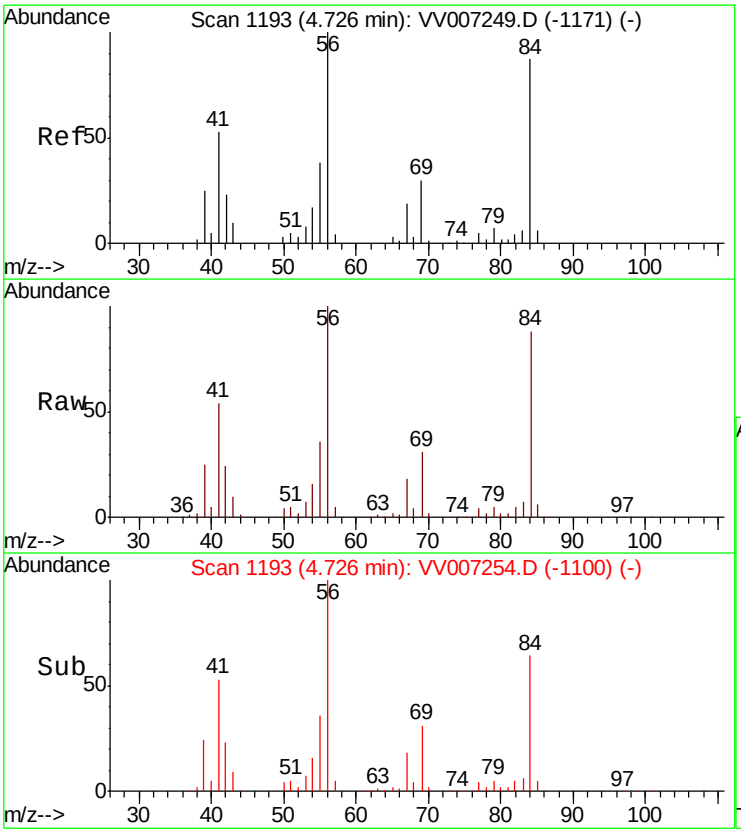
#29
1,1,1-Trichloroethane
Concen: 8.943 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 244235

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	42.8	34.6	51.8

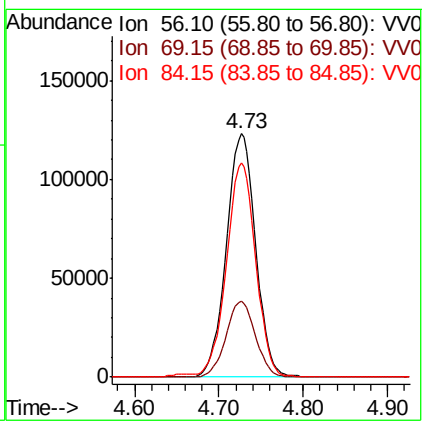


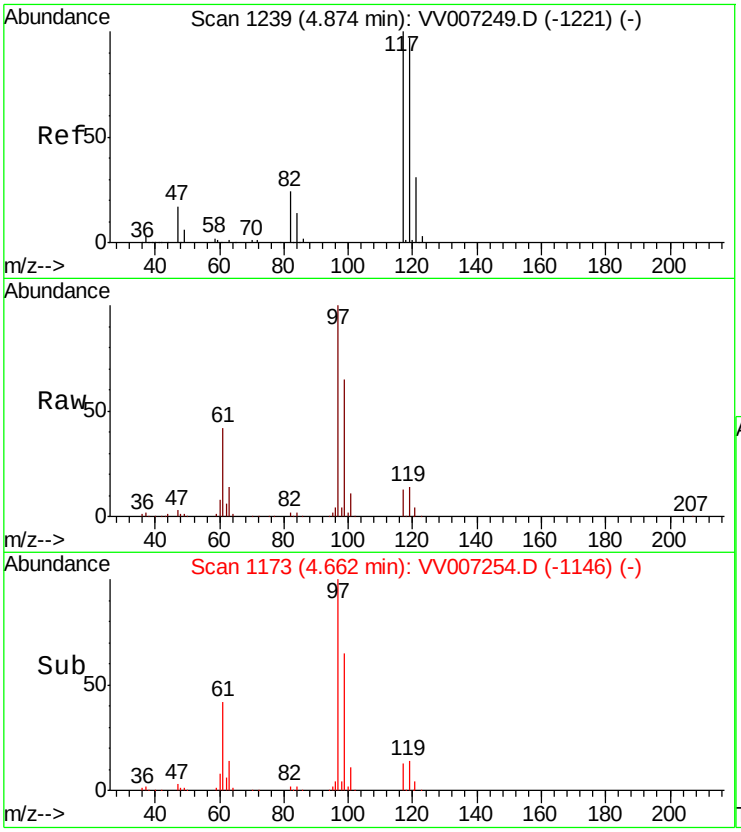


#30
Cyclohexane
Concen: 12.343 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 56 Resp: 296639

Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.8	37.2
84	87.7	72.9	109.3



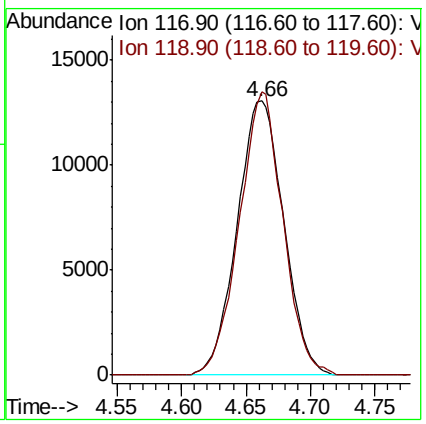


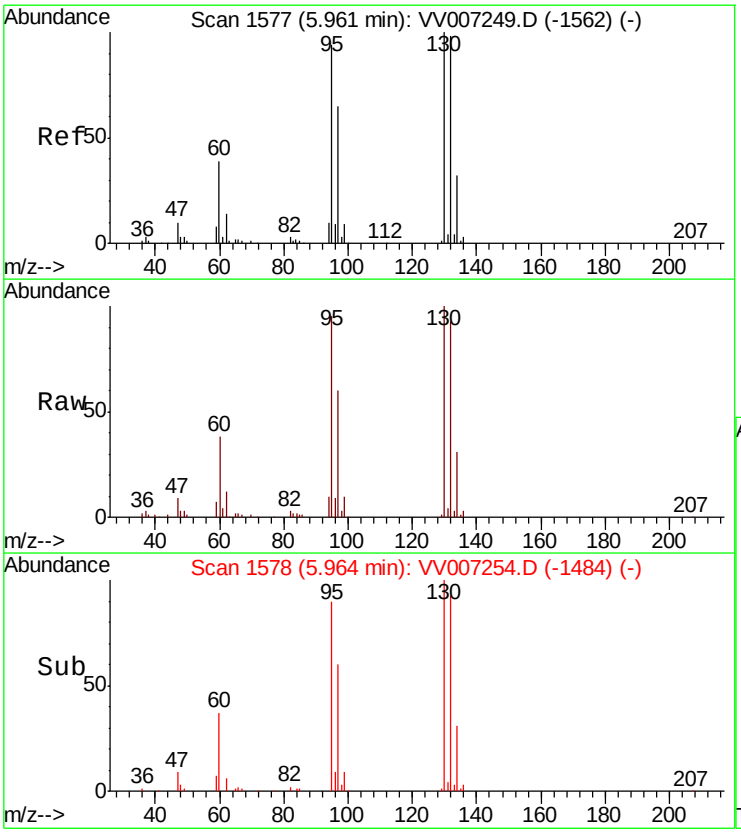
#31
Carbon tetrachloride
Concen: 1.420 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.21 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:117 Resp: 32846

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.2	115.8

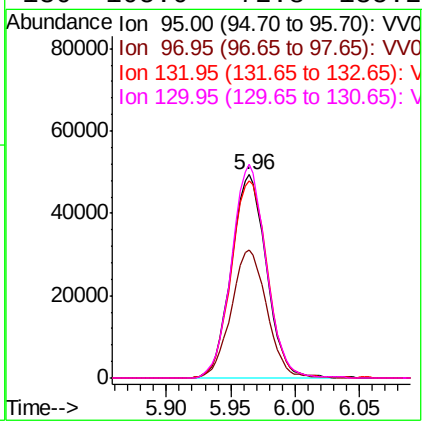


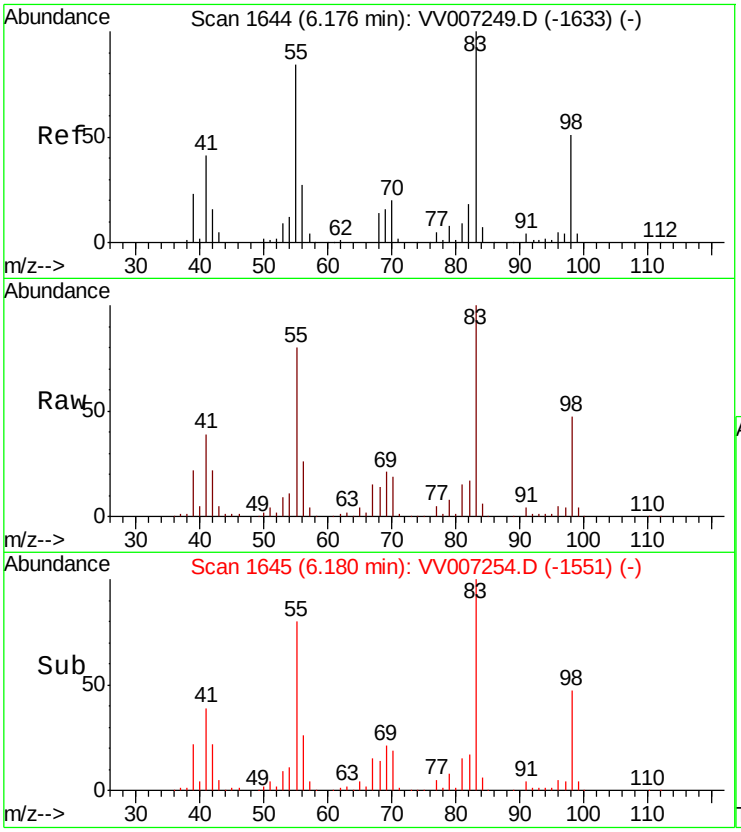


#34
Trichloroethene
Concen: 5.336 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 95 Resp: 93439

Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.2	82.2
132	97.3	71.3	132.3
130	105.0	72.8	135.2



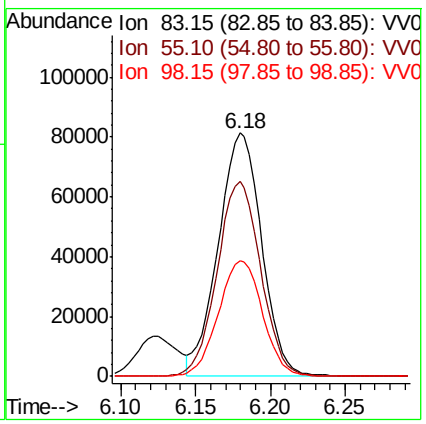


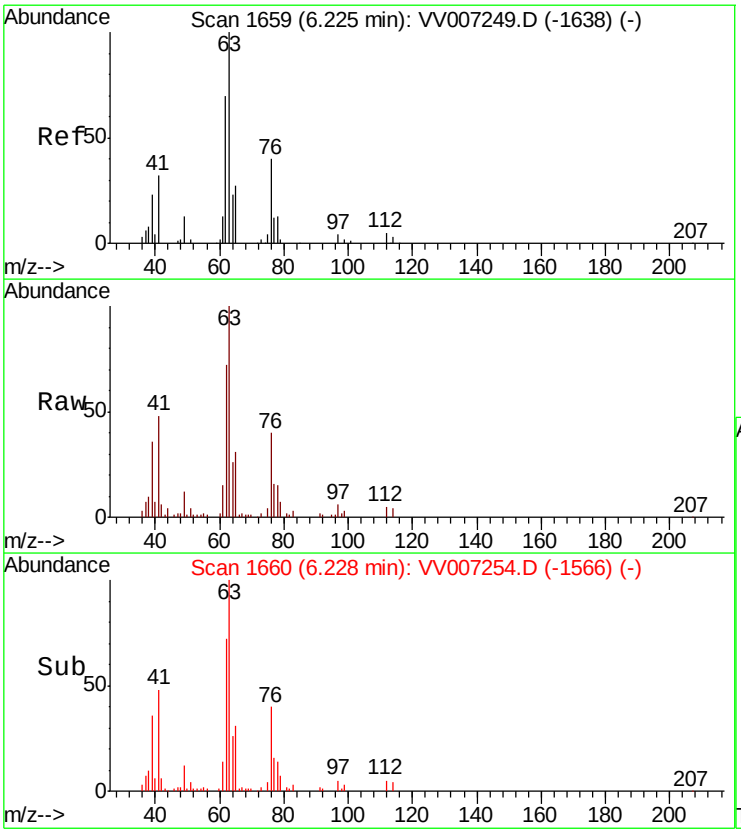
#35
Methylcyclohexane
Concen: 6.423 ug/L
RT: 6.18 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 83 Resp: 164498

Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.0	96.0
98	48.4	38.8	58.2

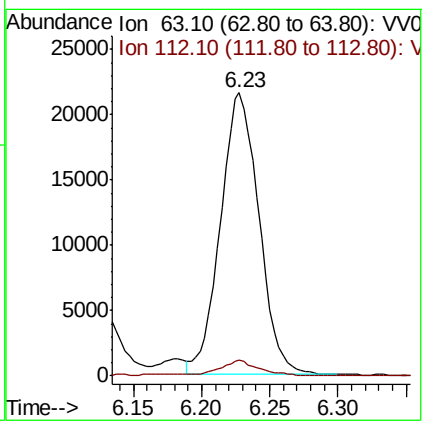


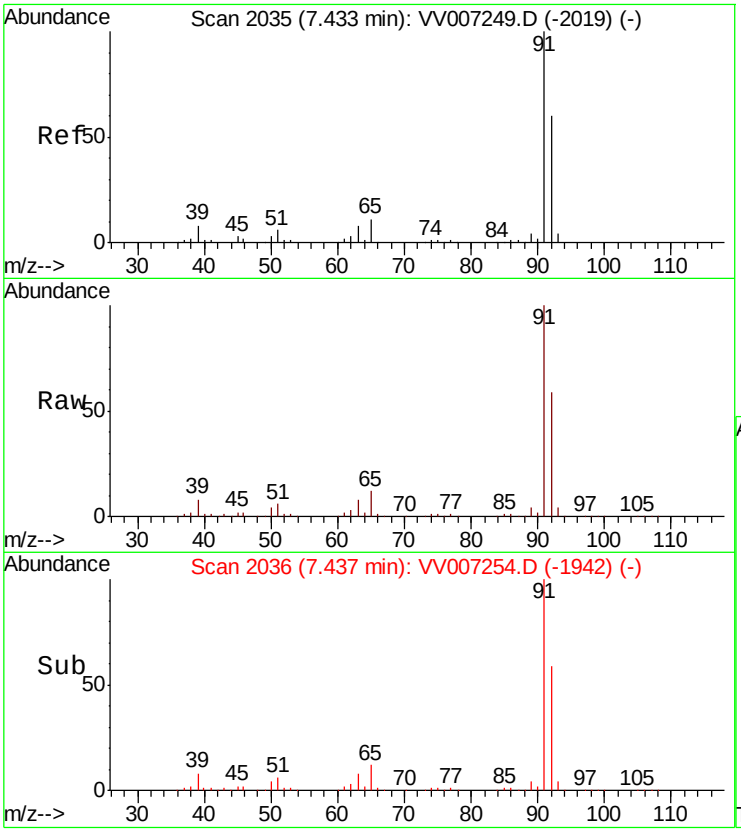


#37
1,2-Dichloropropane
Concen: 2.295 ug/L
RT: 6.23 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 63 Resp: 42284

Ion	Ratio	Lower	Upper
63	100		
112	5.5	3.9	5.9



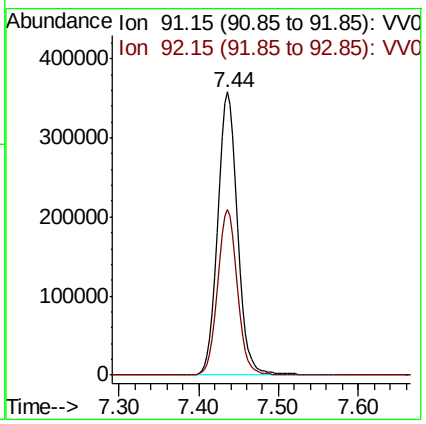


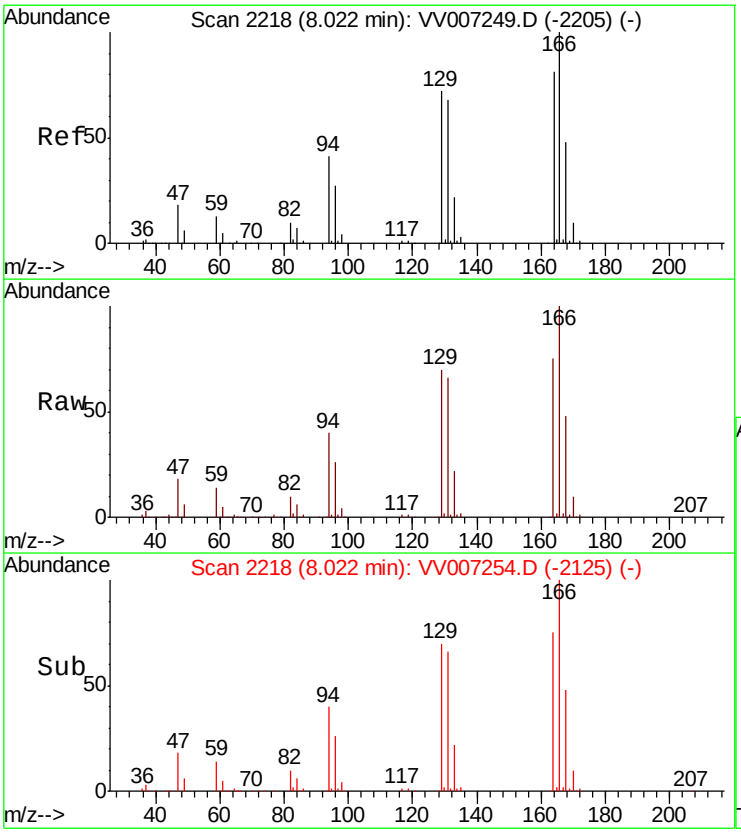
#42
Toluene
Concen: 9.071 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 618352

Ion	Ratio	Lower	Upper
91	100		
92	58.7	41.1	76.3

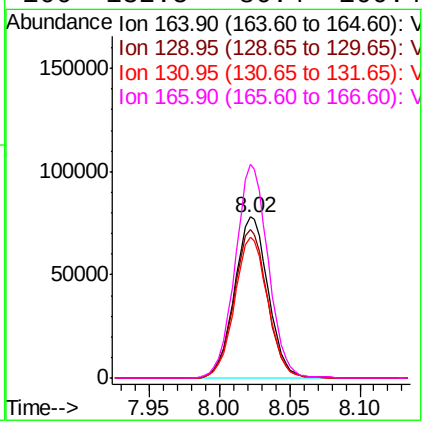


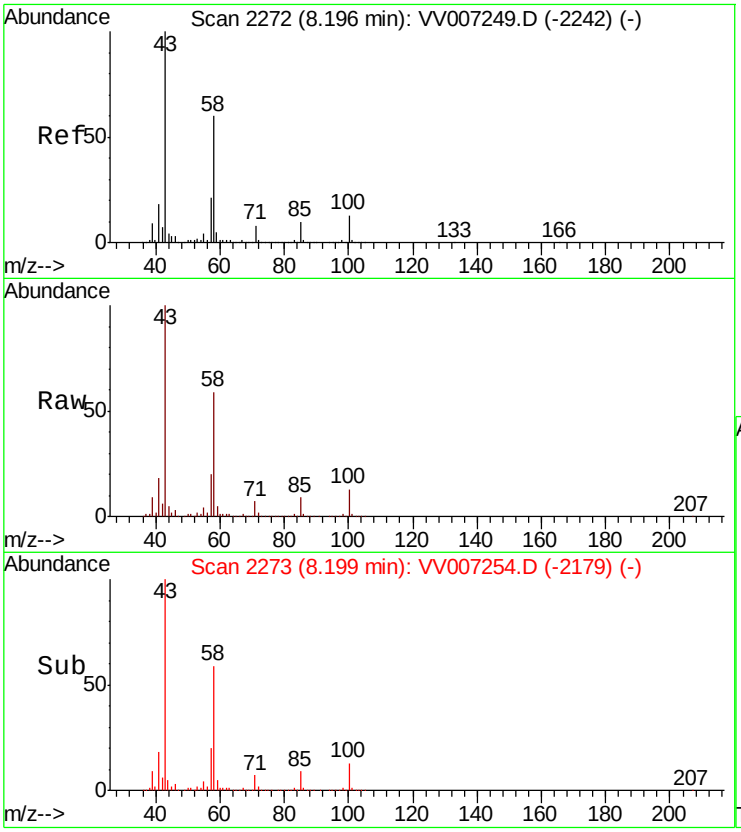


#47
Tetrachloroethene
Concen: 9.007 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:164 Resp: 130345

Ion	Ratio	Lower	Upper
164	100		
129	92.5	62.7	116.5
131	87.5	60.1	111.7
166	132.5	86.4	160.4



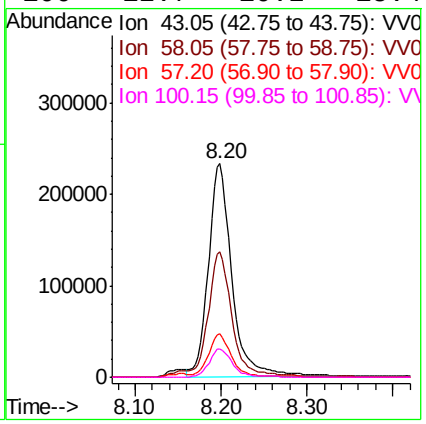


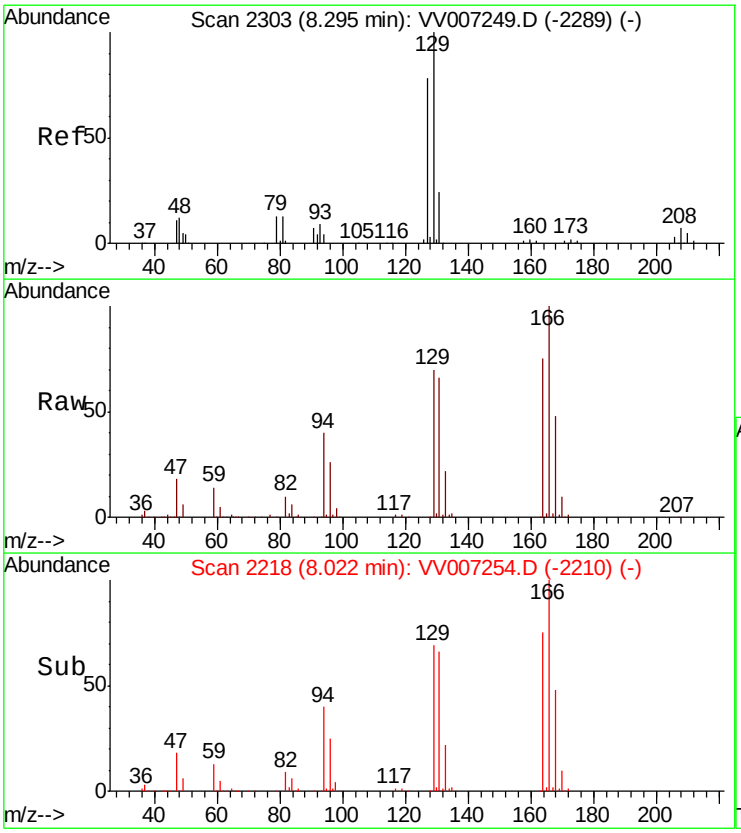
#48
2-Hexanone
Concen: 61.685 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 444265

Ion	Ratio	Lower	Upper
43	100		
58	62.2	50.0	75.0
57	20.0	16.6	25.0
100	12.7	10.2	15.4

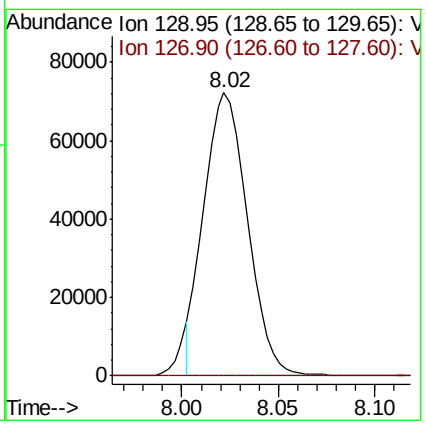


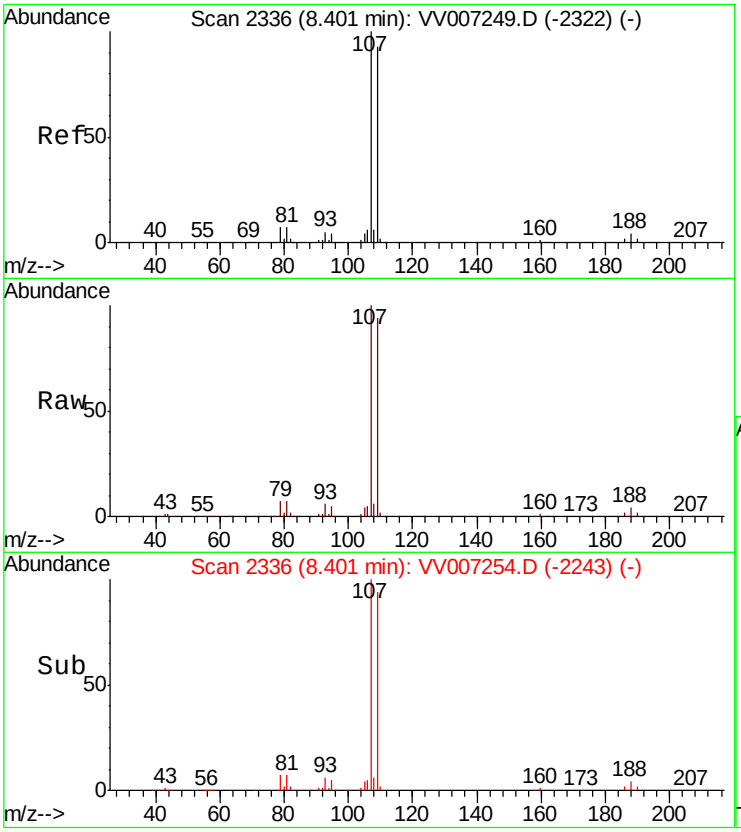


#49
Dibromochloromethane
Concen: 7.494 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.27 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:129 Resp: 112040

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	101.9#



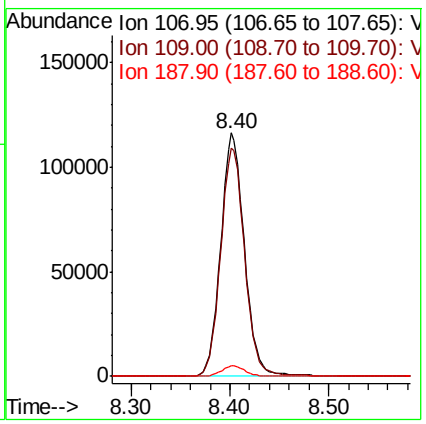


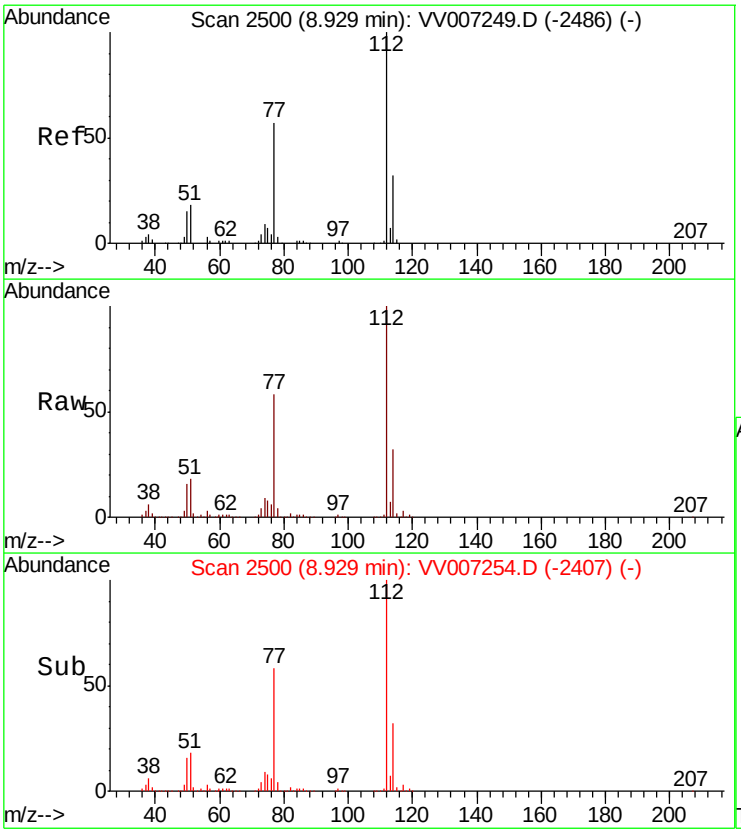
#50
1,2-Dibromoethane
Concen: 17.305 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:107 Resp: 196506

Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.9	122.3
188	4.1	3.5	5.3

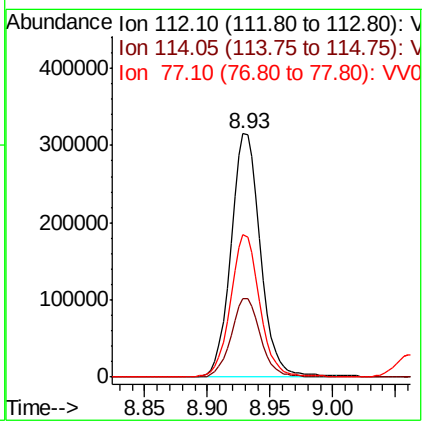


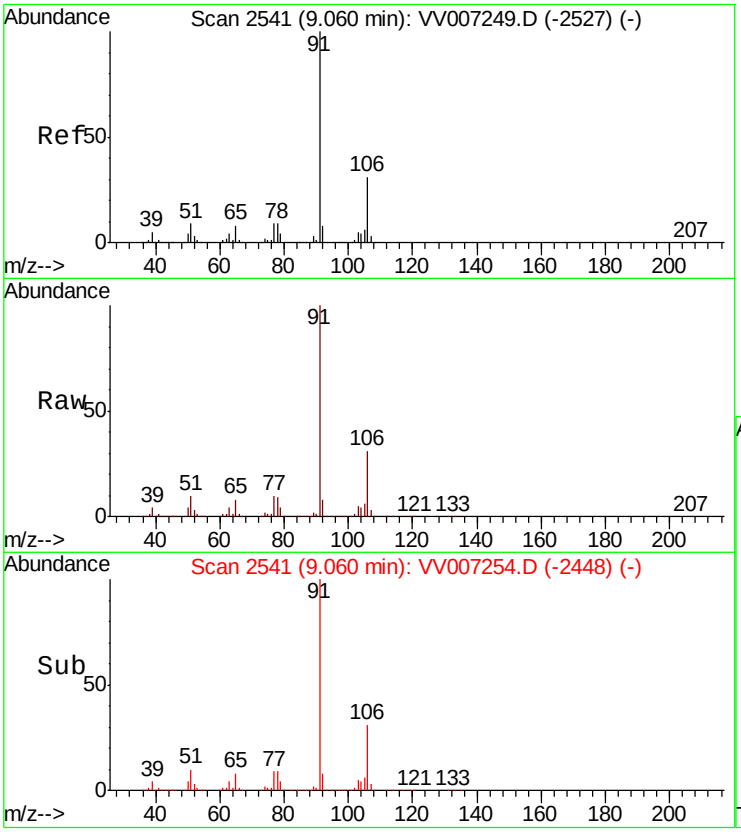


#51
Chlorobenzene
Concen: 11.102 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:112 Resp: 514500

Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	41.0
77	58.3	45.9	68.9



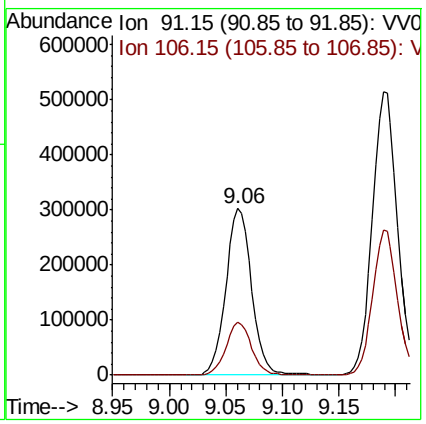


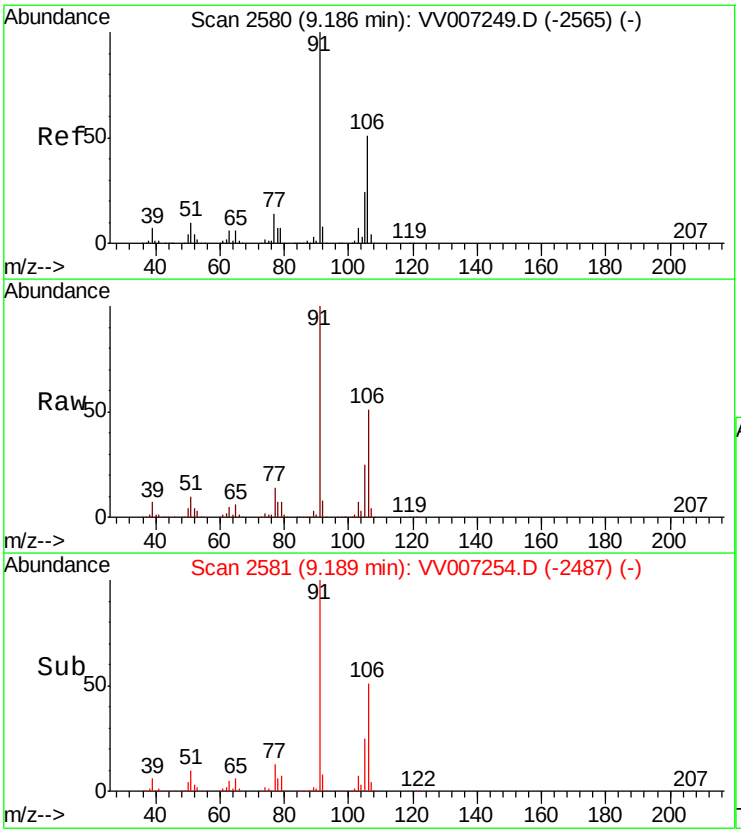
#52
Ethylbenzene
Concen: 7.037 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 481867

Ion	Ratio	Lower	Upper
91	100		
106	31.5	22.3	41.3

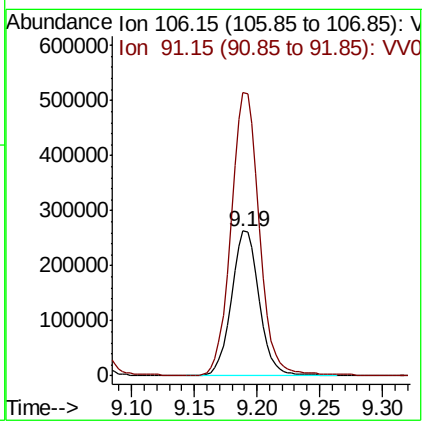


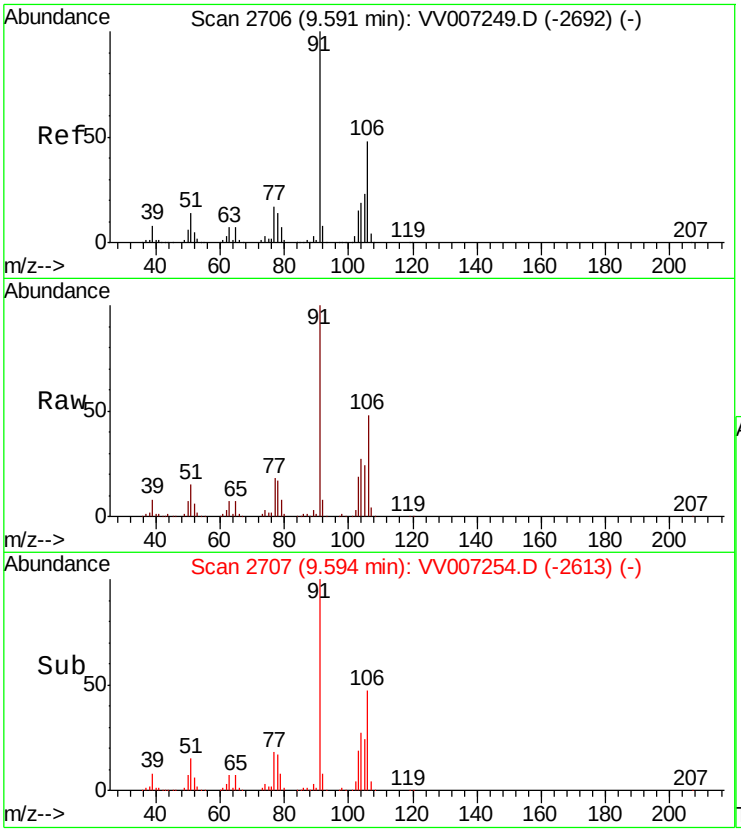


#53
m,p-xylene
Concen: 15.485 ug/L
RT: 9.19 min Scan# 2581
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:106 Resp: 403782

Ion	Ratio	Lower	Upper
106	100		
91	195.9	138.4	257.0



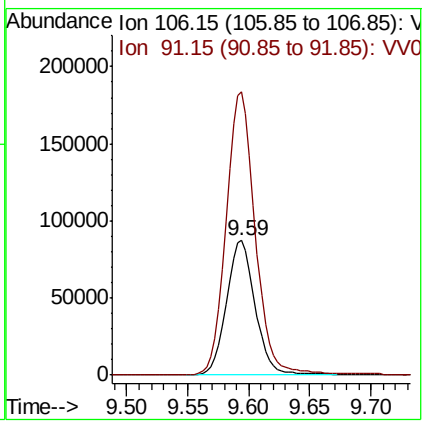


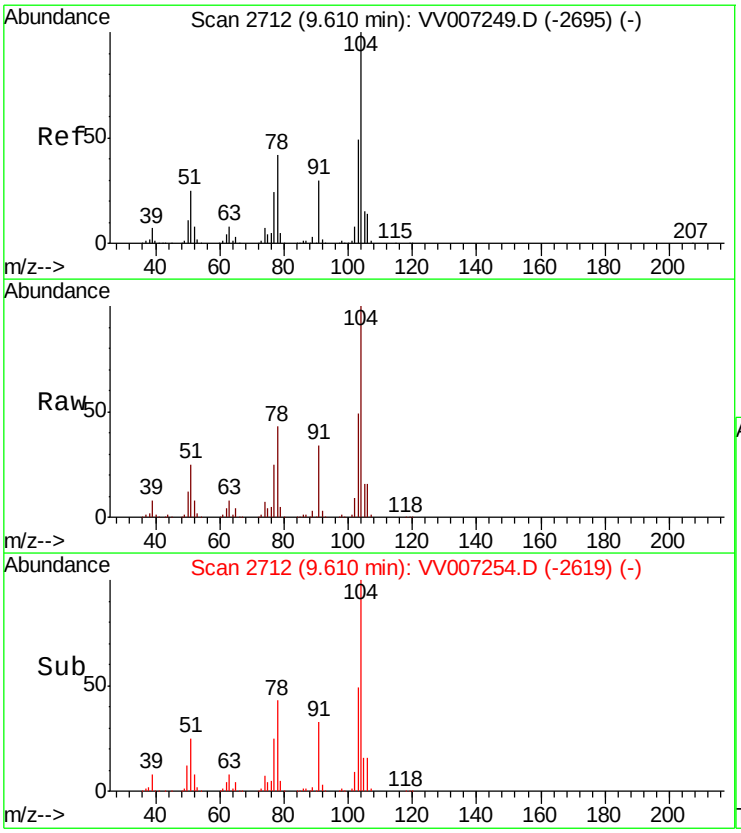
#54
o-xylene
Concen: 5.934 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:106 Resp: 143994

Ion	Ratio	Lower	Upper
106	100		
91	209.9	146.9	272.7

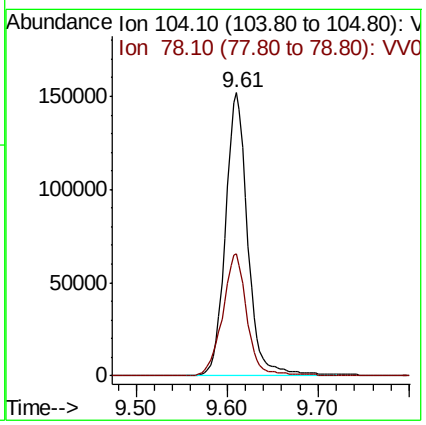


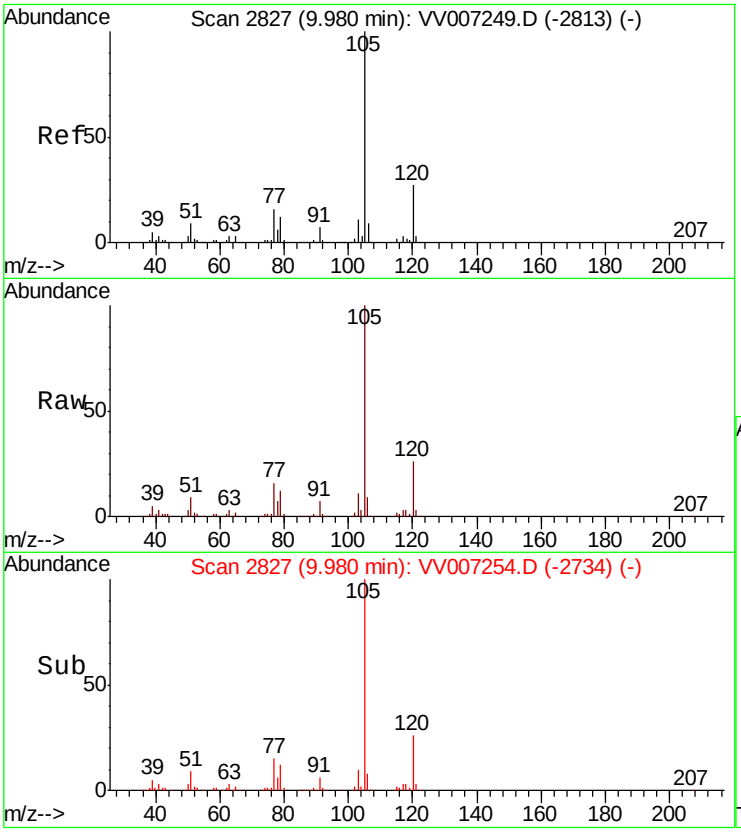


#55
Styrene
Concen: 6.096 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:104 Resp: 259367

Ion	Ratio	Lower	Upper
104	100		
78	42.9	30.2	56.2



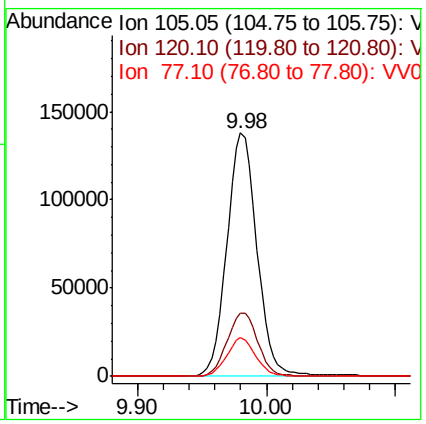


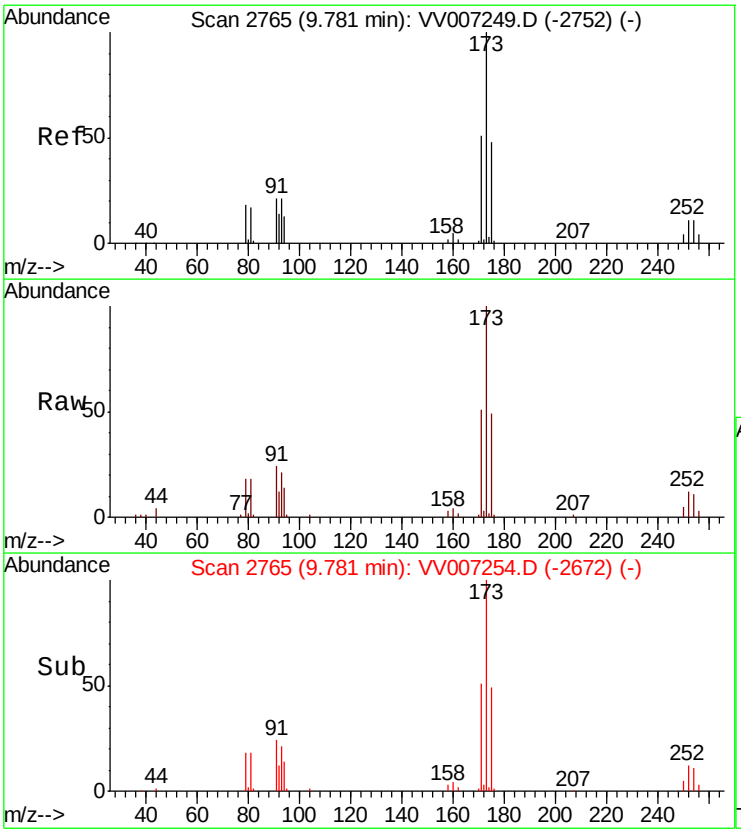
#56
Isopropylbenzene
Concen: 3.451 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 222704

Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.0	31.4
77	15.1	12.1	18.1

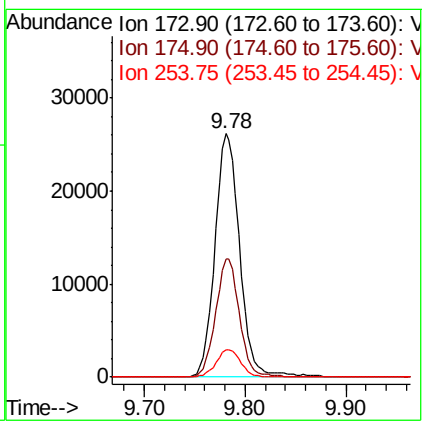


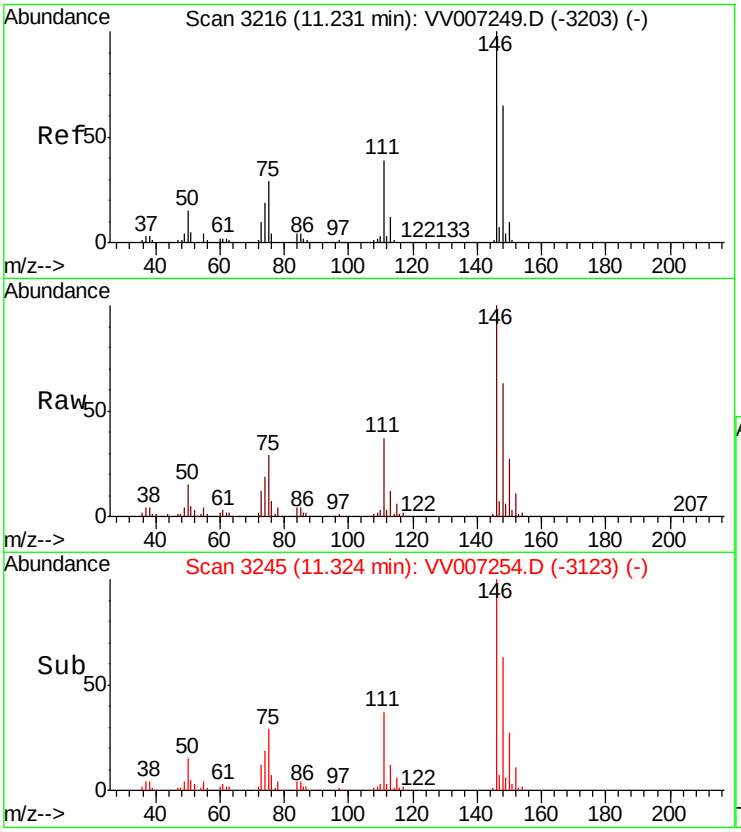


#61
Bromoform
Concen: 5.845 ug/L
RT: 9.78 min Scan# 2765
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:173 Resp: 44770

Ion	Ratio	Lower	Upper
173	100		
175	46.6	39.3	58.9
254	11.1	8.7	13.1



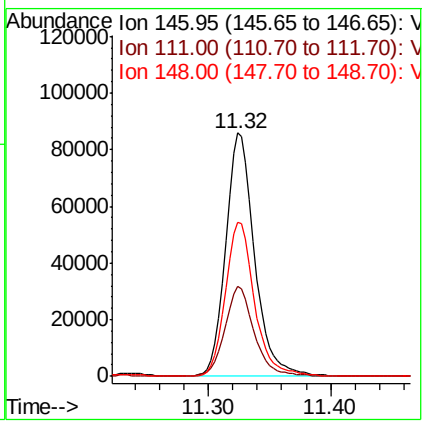


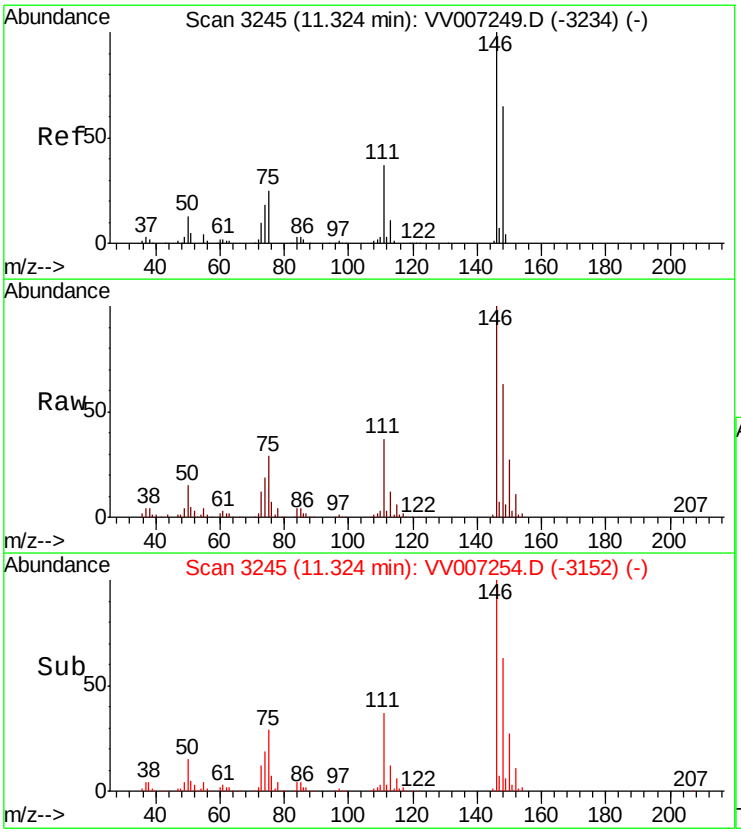
#62
1,3-Dichlorobenzene
Concen: 4.657 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. 0.09 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 142554

Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.2	50.4
148	63.4	45.0	83.6

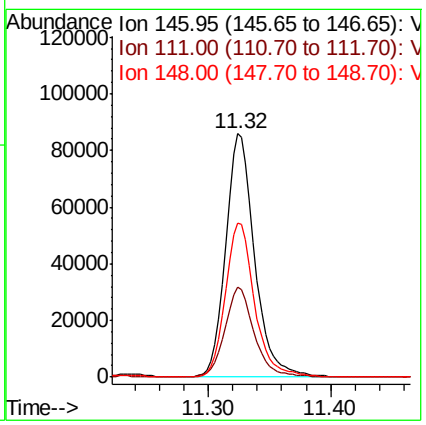


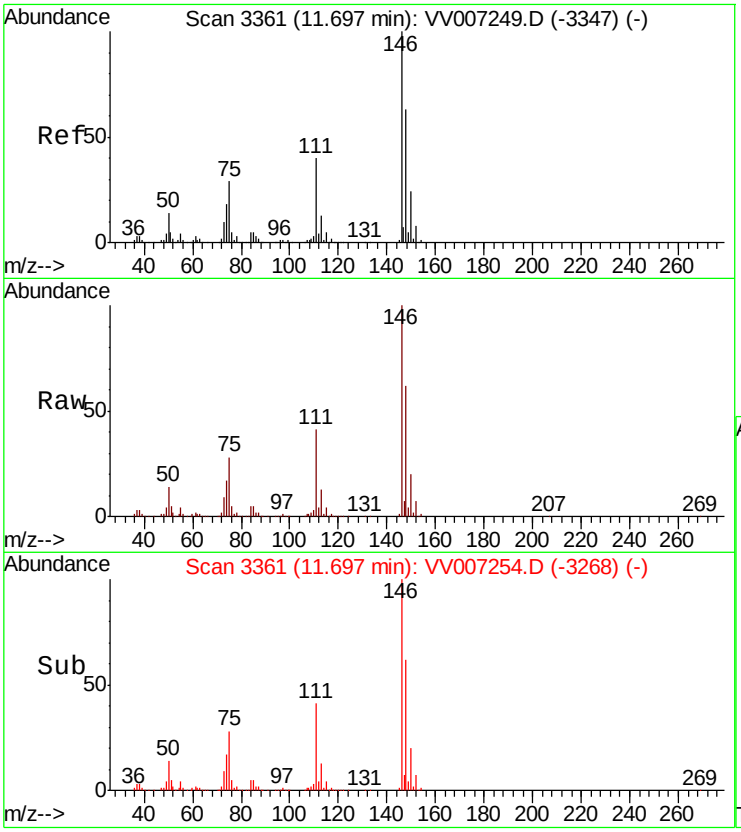


#63
1,4-Dichlorobenzene
Concen: 4.406 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:146 Resp: 142554

Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.4	47.2
148	63.4	44.3	82.3



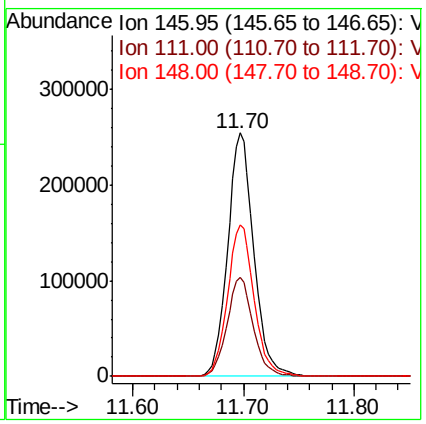


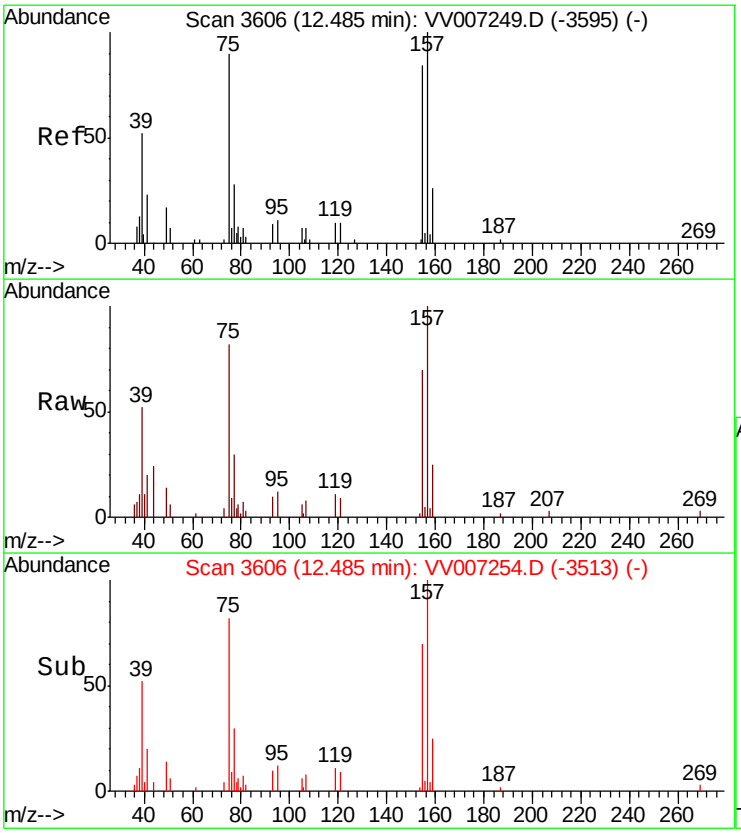
#65
1,2-Dichlorobenzene
Concen: 13.606 ug/L
RT: 11.70 min Scan# 3361
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 416296

Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.0	49.6
148	62.4	51.6	77.4

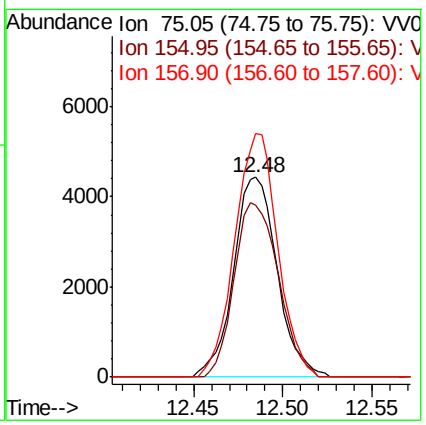


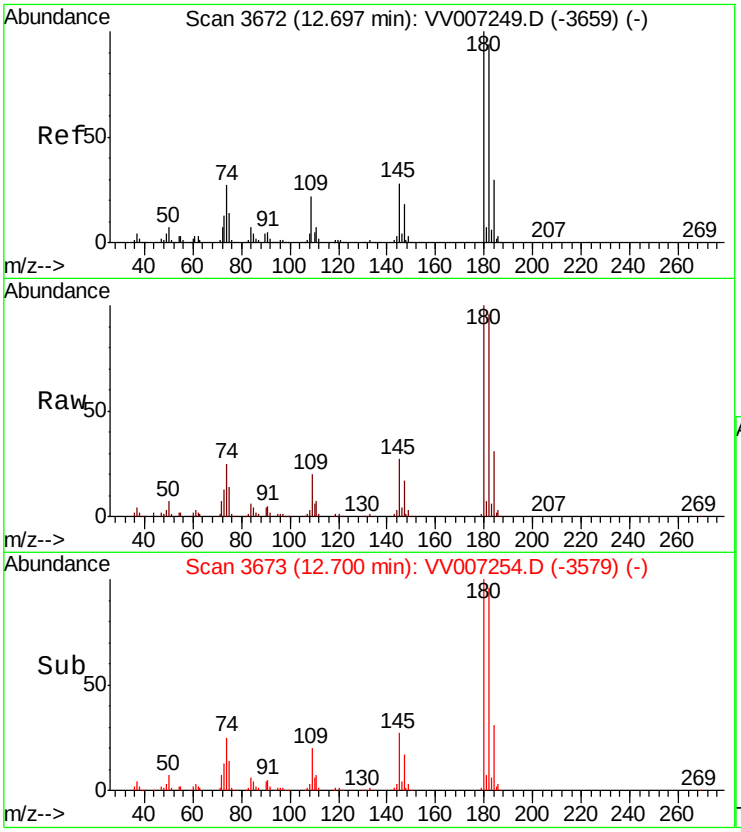


#66
1,2-Dibromo-3-chloropropane
Concen: 4.229 ug/L
RT: 12.48 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion: 75 Resp: 7579

Ion	Ratio	Lower	Upper
75	100		
155	85.9	70.4	105.6
157	122.1	94.2	141.2



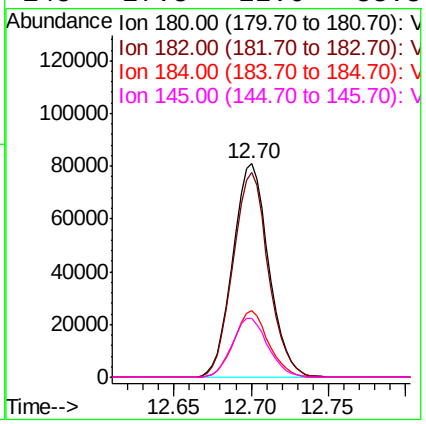


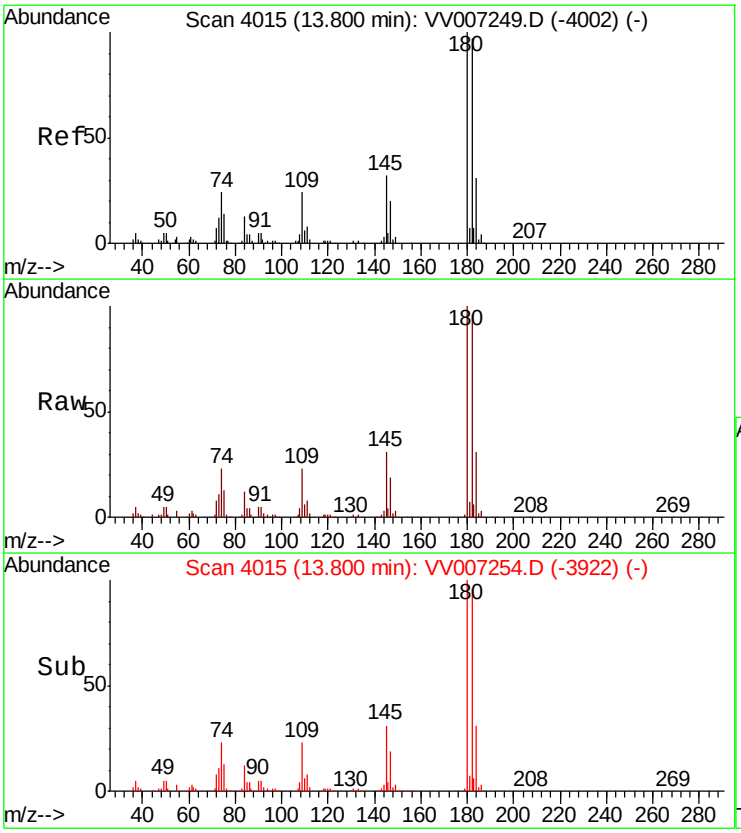
#67
1,3,5-Trichlorobenzene
Concen: 5.831 ug/L
RT: 12.70 min Scan# 3673
Delta R.T. 0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 130642

Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.6
184	30.1	23.4	35.2
145	27.3	22.6	33.8





#70
1,2,3-Trichlorobenzene
Concen: 11.032 ug/L
RT: 13.80 min Scan# 4015
Delta R.T. -0.00 min
Lab File: VV007254.D
Acq: 29 Aug 2018 13:34

Tgt Ion:180 Resp: 163277

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	30.1	23.8	35.8