Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV050318\
Data File : VV005763.D
Acq On : 03 May 2018 15:25
Operator : SY/MD
Sample : J2594-18DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 01:35:38 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR043018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 01:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	201812	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.90	117	195939	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84879	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.32	65	67002	5.15	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 103.00%				
7) Chloroethane-d5	1.55	69	36703	3.28	ug/L		-0.03
Spiked Amount 5.000	Range 65 - 130		Recovery = 65.60%				
11) 1,1-Dichloroethene-d2	2.12	63	116541	3.91	ug/L		-0.01
Spiked Amount 5.000	Range 60 - 125		Recovery = 78.20%				
20) 2-Butanone-d5	3.96	46	150937	56.16	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 112.32%				
24) Chloroform-d	4.41	84	134358	5.06	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.20%				
26) 1,2-Dichloroethane-d4	5.09	65	78677	5.65	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 113.00%				
32) Benzene-d6	5.10	84	249286	5.04	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.80%				
36) 1,2-Dichloropropane-d6	6.12	67	80656	5.23	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.60%				
41) Toluene-d8	7.37	98	226711	4.81	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.20%				
43) trans-1,3-Dichloropropene-	7.67	79	27186	4.70	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.00%				
46) 2-Hexanone-d5	8.14	63	107949	54.22	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 108.44%				
57) 1,1,2,2-Tetrachloroethane-	10.27	84	57608	5.56	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 111.20%				
64) 1,2-Dichlorobenzene-d4	11.68	152	84065	5.47	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 109.40%				
Target Compounds							Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	7529	0.47	ug/L		92
12) 1,1-Dichloroethene	2.13	96	4836	0.34	ug/L	#	1
13) Acetone	2.20	43	8316	3.99	ug/L		93
15) Methyl Acetate	2.47	43	1817	0.31	ug/L	#	80
16) Methylene chloride	2.53	84	7628	0.47	ug/L		95
17) Methyl tert-butyl Ether	2.82	73	14160	0.40	ug/L		96
18) trans-1,2-Dichloroethene	2.78	96	3600	0.23	ug/L		94
19) 1,1-Dichloroethane	3.23	63	6913	0.24	ug/L		91
21) 2-Butanone	4.04	43	6165	2.11	ug/L	#	60
22) cis-1,2-Dichloroethene	3.96	96	88504	5.90	ug/L		98
25) Chloroform	4.43	83	9403	0.33	ug/L		98
27) 1,2-Dichloroethane	5.19	62	4885	0.27	ug/L	#	94
34) Trichloroethene	5.96	95	68175	4.15	ug/L		98
37) 1,2-Dichloropropane	6.23	63	3212	0.22	ug/L	#	97
38) Bromodichloromethane	6.56	83	4382	0.23	ug/L		97
39) cis-1,3-Dichloropropene	7.08	75	4028	0.20	ug/L		96
40) 4-Methyl-2-pentanone	7.29	43	7641	1.03	ug/L	#	90

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Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 01:35:38 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR043018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 01:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	7.44	91	13898	0.23 ug/L	93
44) trans-1,3-Dichloropropene	7.70	75	3893	0.24 ug/L	84
45) 1,1,2-Trichloroethane	7.89	97	2419	0.25 ug/L #	75
47) Tetrachloroethene	8.03	164	11205	0.93 ug/L	96
48) 2-Hexanone	8.20	43	15840	3.04 ug/L #	92
49) Dibromochloromethane	8.30	129	2939	0.26 ug/L	96
50) 1,2-Dibromoethane	8.40	107	2000	0.23 ug/L #	84
51) Chlorobenzene	8.93	112	11750	0.29 ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.30	83	3404	0.33 ug/L #	84
59) 1,2,3-Trichloropropane	10.32	75	2491	0.31 ug/L #	83
61) Bromoform	9.78	173	1295	0.26 ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	6257	0.23 ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	8282	0.29 ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	8044	0.31 ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.48	75	450	0.29 ug/L #	78
67) 1,3,5-Trichlorobenzene	12.70	180	4315	0.21 ug/L	90
68) 1,2,4-trichlorobenzene	13.32	180	3364	0.23 ug/L	89
69) Naphthalene	13.56	128	5133	0.23 ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	3381	0.24 ug/L	99

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

Quantitation Report (Not Reviewed)

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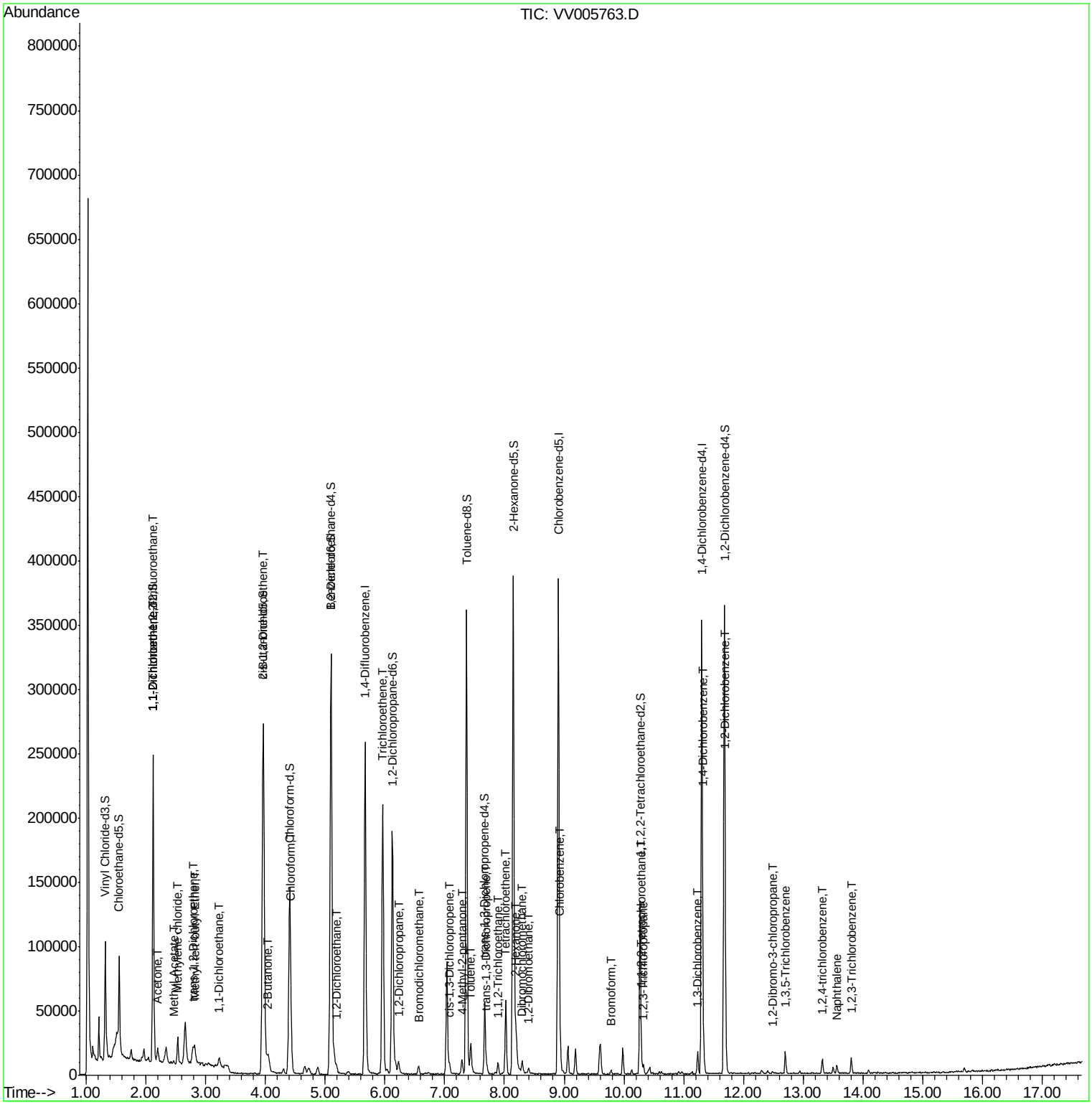
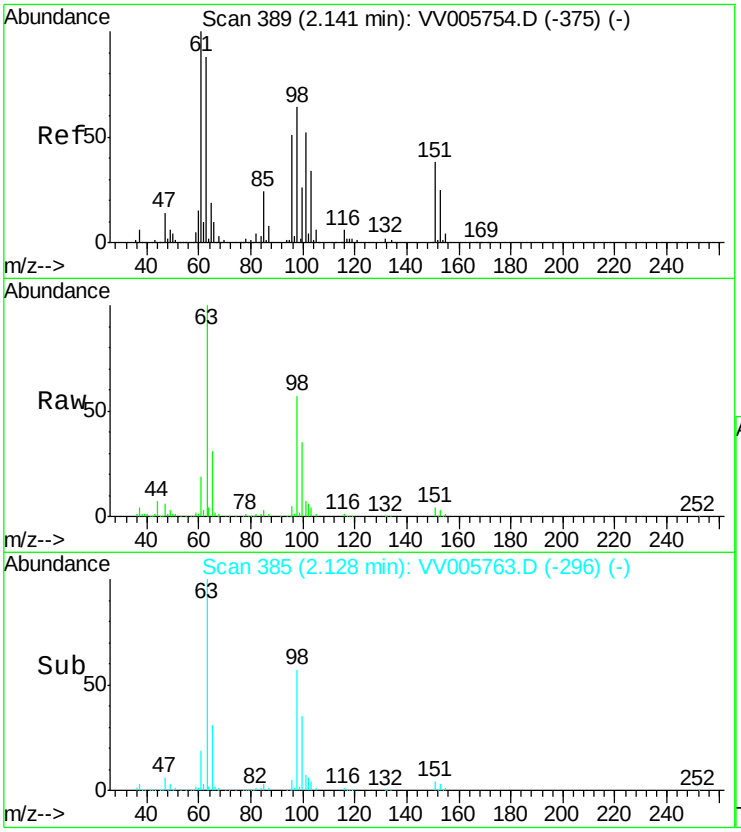
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 01:33:46 2018
Response via : Initial Calibration

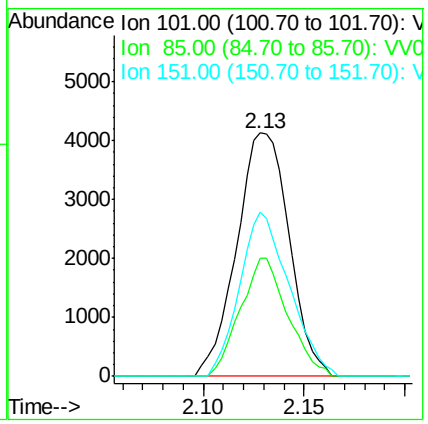


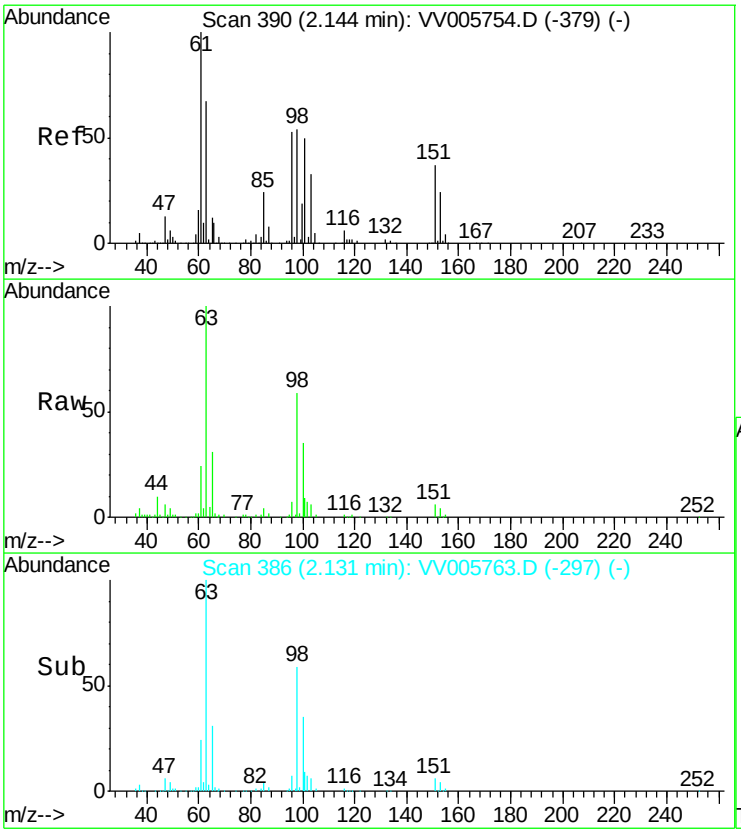


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.47 ug/L
RT: 2.13 min Scan# 385
Delta R.T. -0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:101 Resp: 7529

Ion	Ratio	Lower	Upper
101	100		
85	43.8	36.6	55.0
151	63.7	58.4	87.6

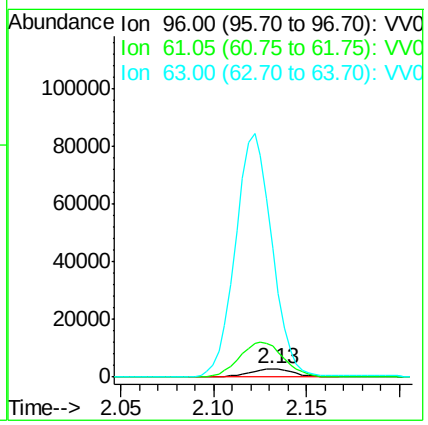


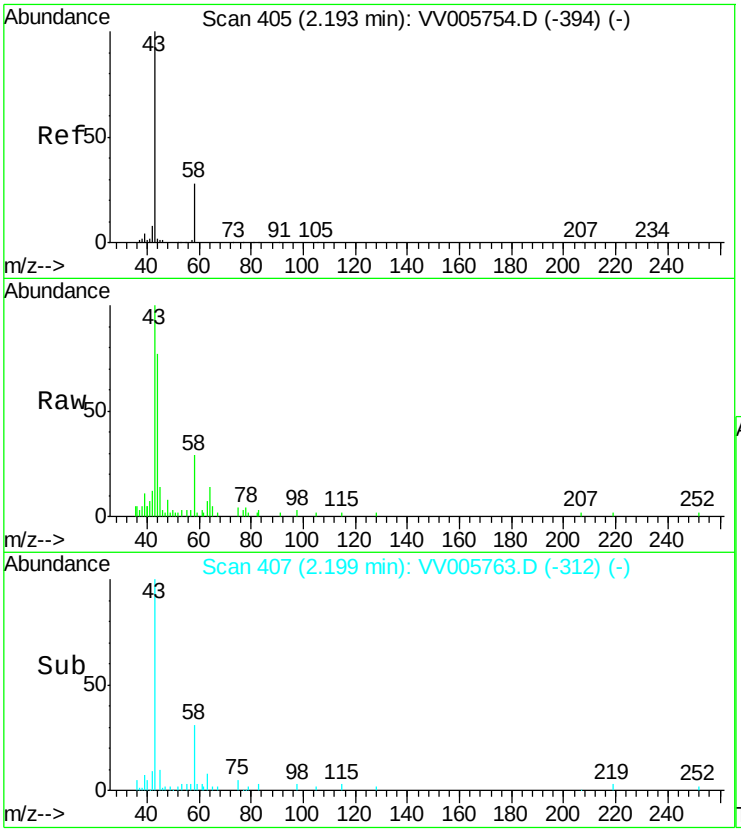


#12
1,1-Dichloroethene
Concen: 0.34 ug/L
RT: 2.13 min Scan# 386
Delta R.T. -0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 96 Resp: 4836

Ion	Ratio	Lower	Upper
96	100		
61	362.1	128.9	239.3#
63	1524.6	83.2	154.6#

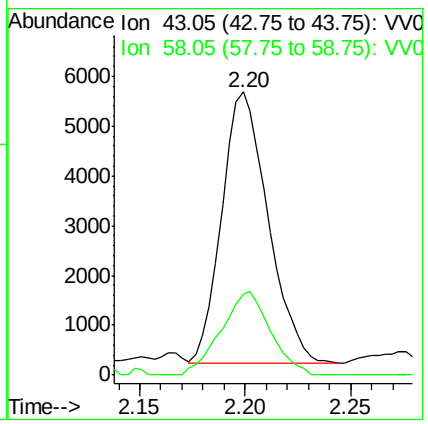


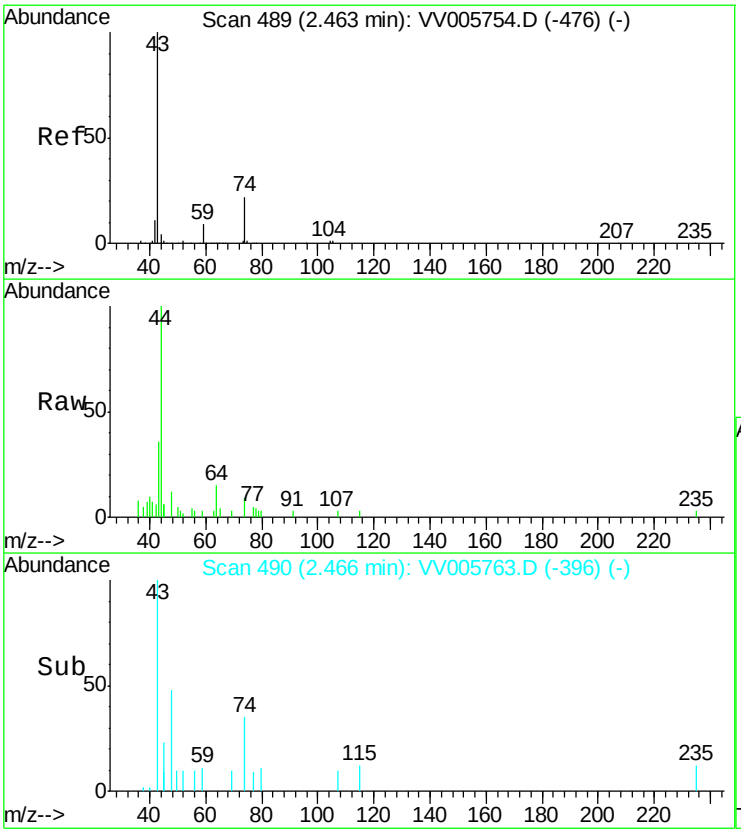


#13
Acetone
Concen: 3.99 ug/L
RT: 2.20 min Scan# 407
Delta R.T. 0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 43 Resp: 8316

Ion	Ratio	Lower	Upper
43	100		
58	32.6	0.0	58.0

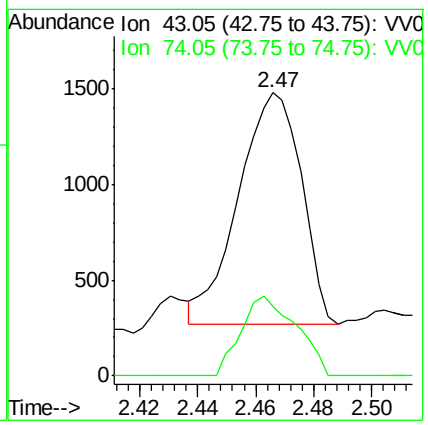


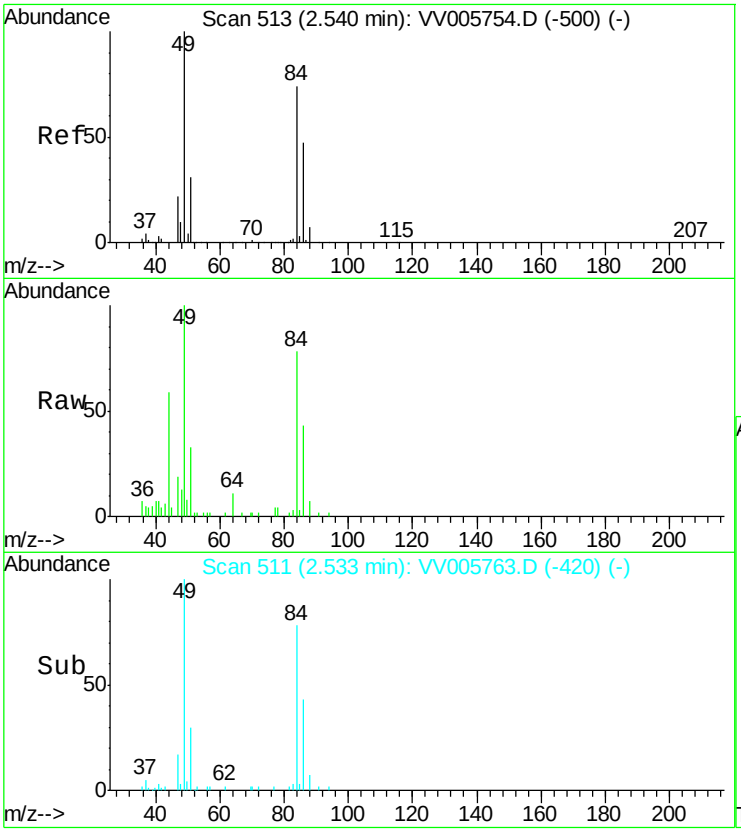


#15
Methyl Acetate
Concen: 0.31 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 43 Resp: 1817

Ion	Ratio	Lower	Upper
43	100		
74	30.4	17.0	25.4#

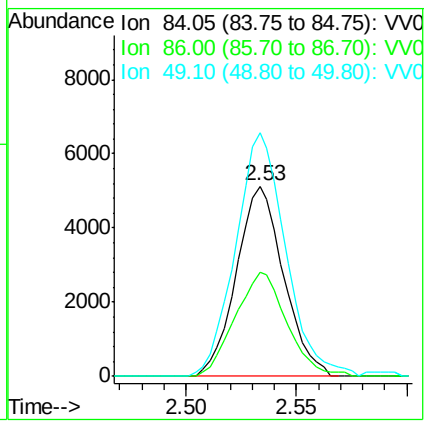


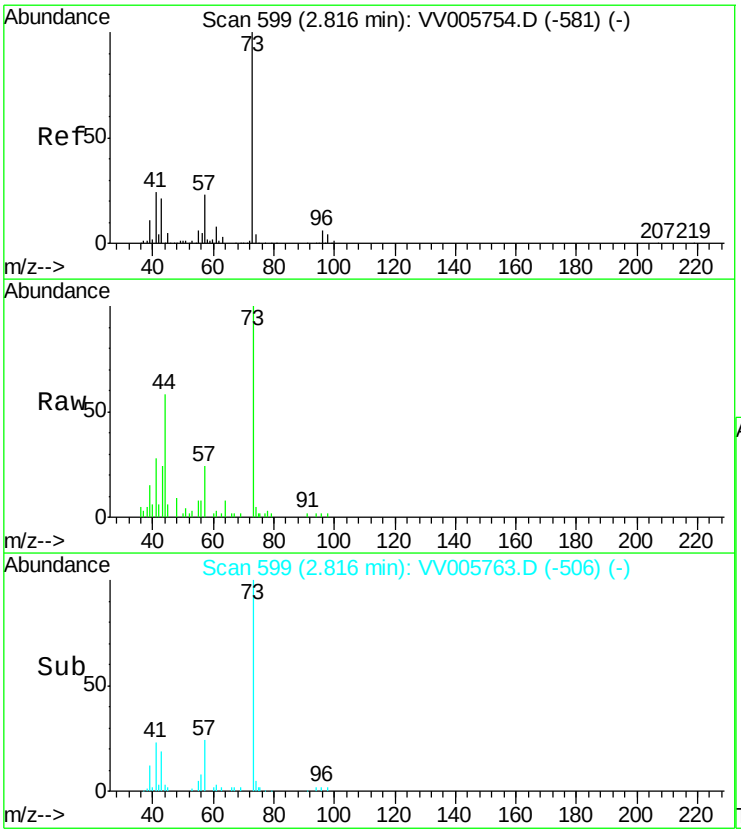


#16
Methylene chloride
Concen: 0.47 ug/L
RT: 2.53 min Scan# 511
Delta R.T. -0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 84 Resp: 7628

Ion	Ratio	Lower	Upper
84	100		
86	54.7	44.1	81.9
49	128.1	92.1	171.1

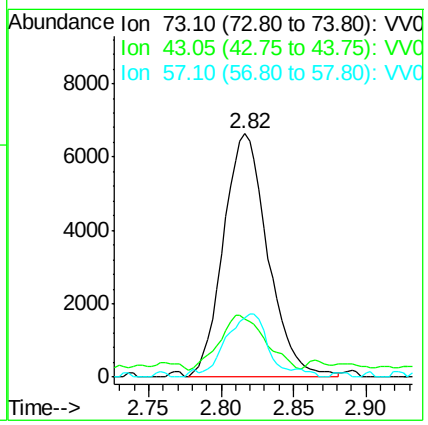


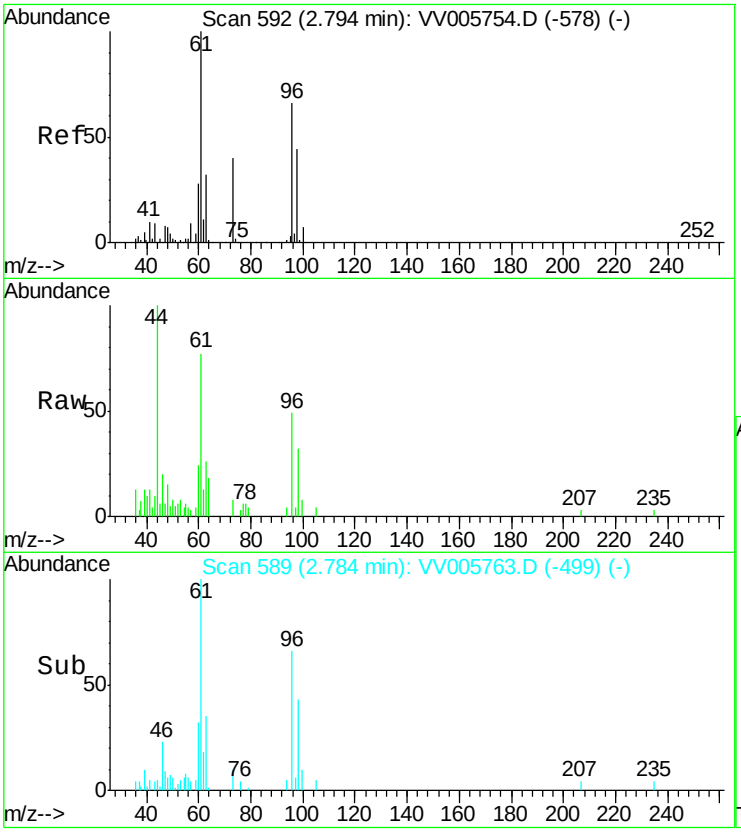


#17
Methyl tert-butyl Ether
Concen: 0.40 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 73 Resp: 14160

Ion	Ratio	Lower	Upper
73	100		
43	22.9	17.4	26.2
57	25.0	17.5	26.3

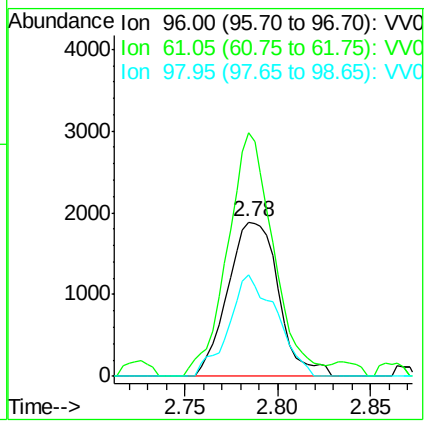


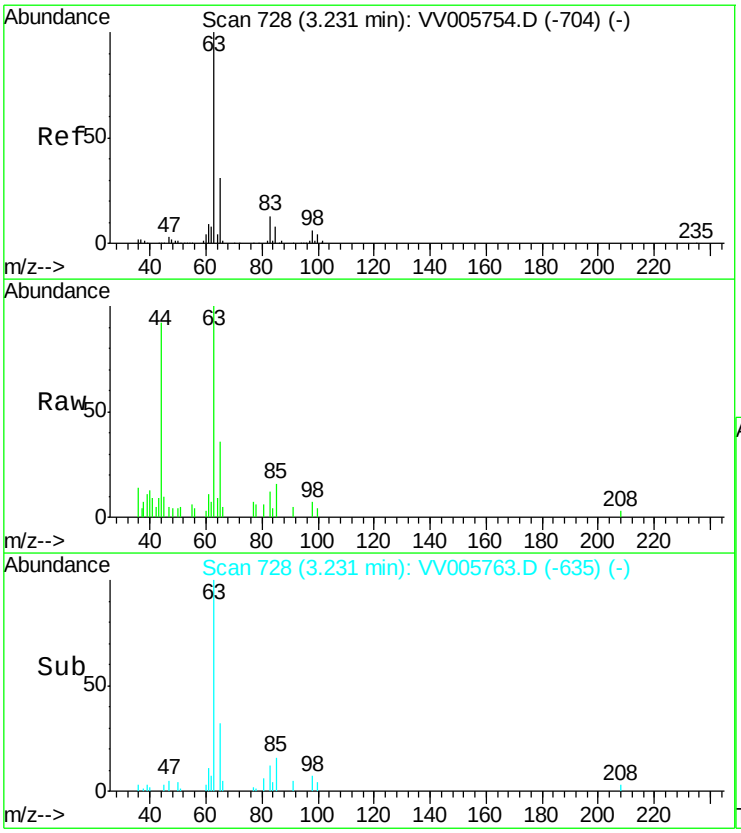


#18
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 2.78 min Scan# 589
Delta R.T. -0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 96 Resp: 3600

Ion	Ratio	Lower	Upper
96	100		
61	157.9	104.4	193.8
98	65.7	44.0	81.6

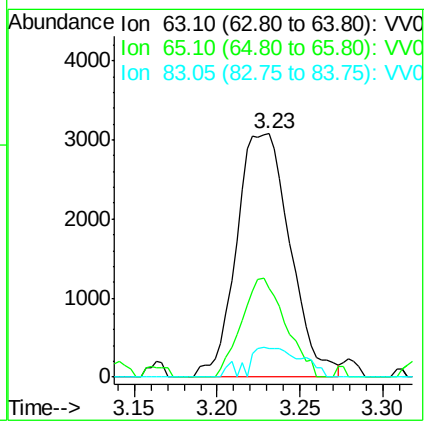


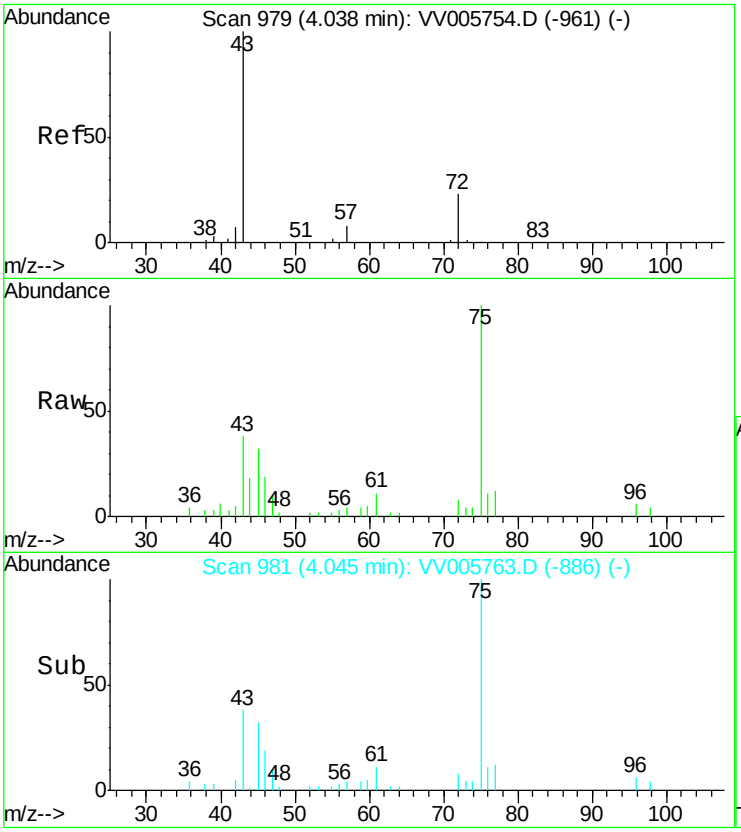


#19
1,1-Dichloroethane
Concen: 0.24 ug/L
RT: 3.23 min Scan# 728
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 63 Resp: 6913

Ion	Ratio	Lower	Upper
63	100		
65	36.2	21.5	39.9
83	11.6	9.6	17.8

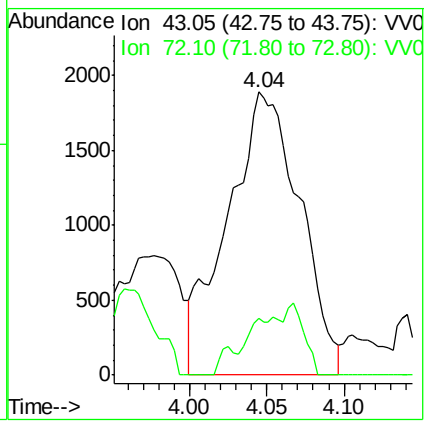


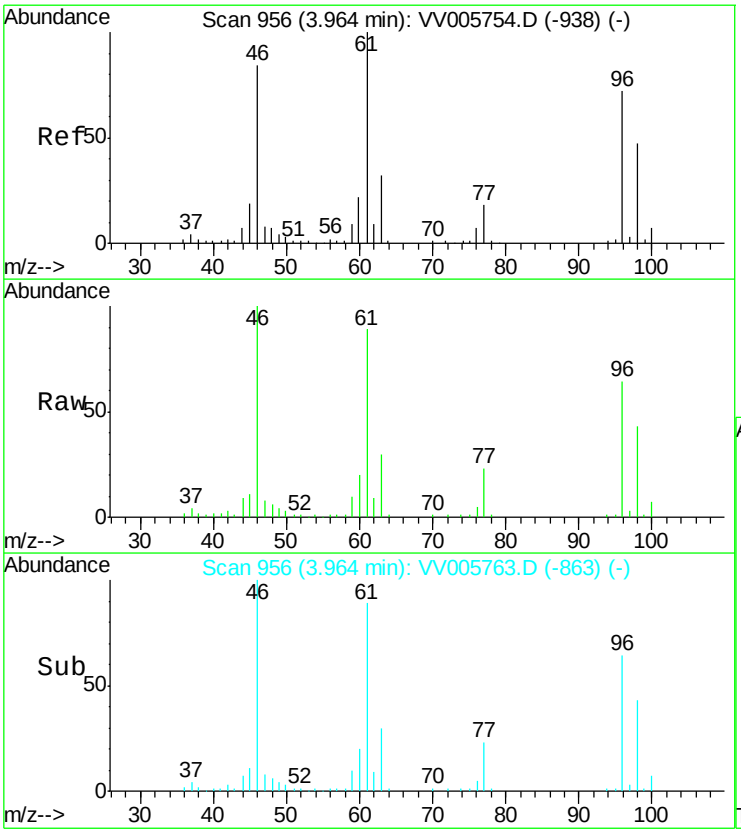


#21
2-Butanone
Concen: 2.11 ug/L
RT: 4.04 min Scan# 981
Delta R.T. 0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 43 Resp: 6165

Ion	Ratio	Lower	Upper
43	100		
72	4.8	12.4	37.2#

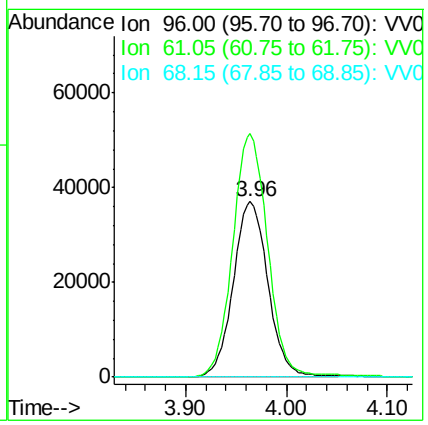


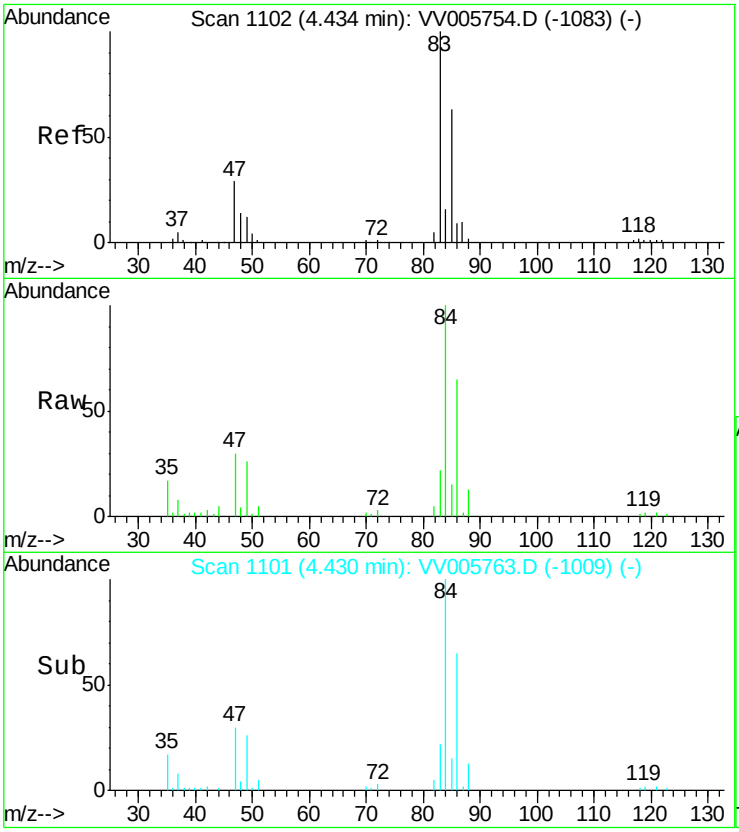


#22
cis-1,2-Dichloroethene
Concen: 5.90 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 96 Resp: 88504

Ion	Ratio	Lower	Upper
96	100		
61	138.7	95.3	177.1
68	0.0	0.0	0.0

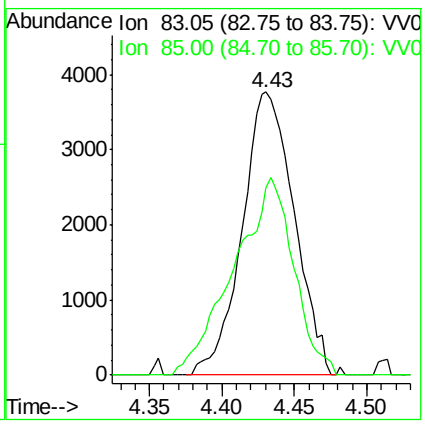


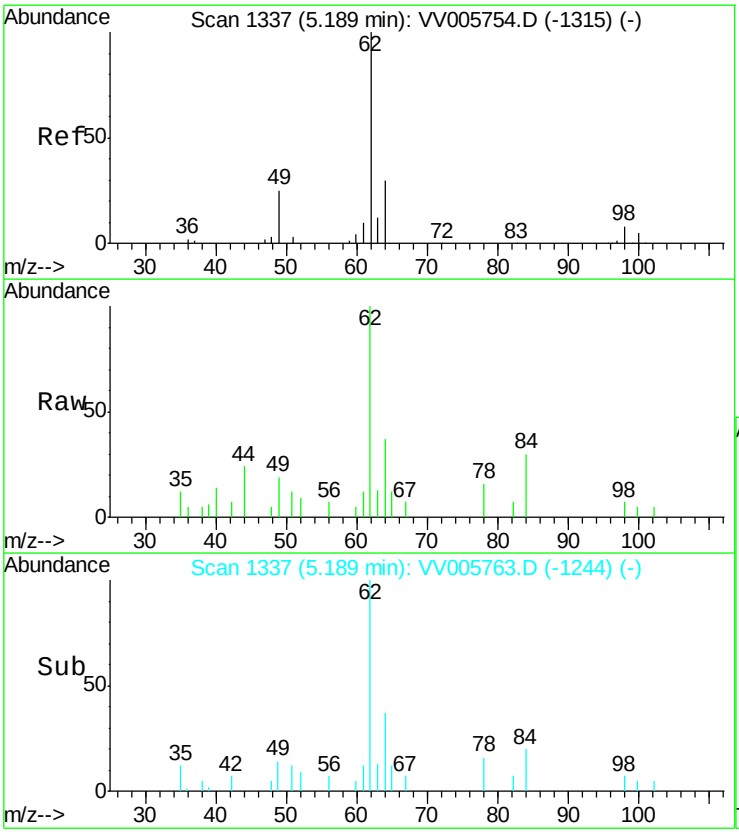


#25
Chloroform
Concen: 0.33 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 83 Resp: 9403

Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.4	84.4

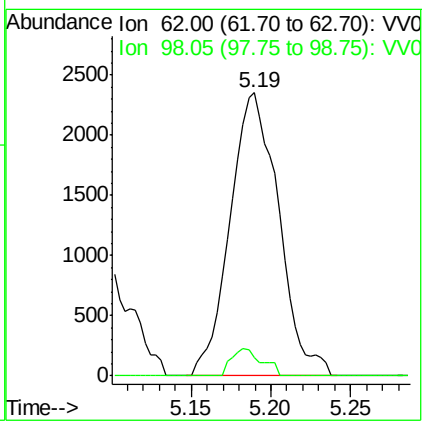


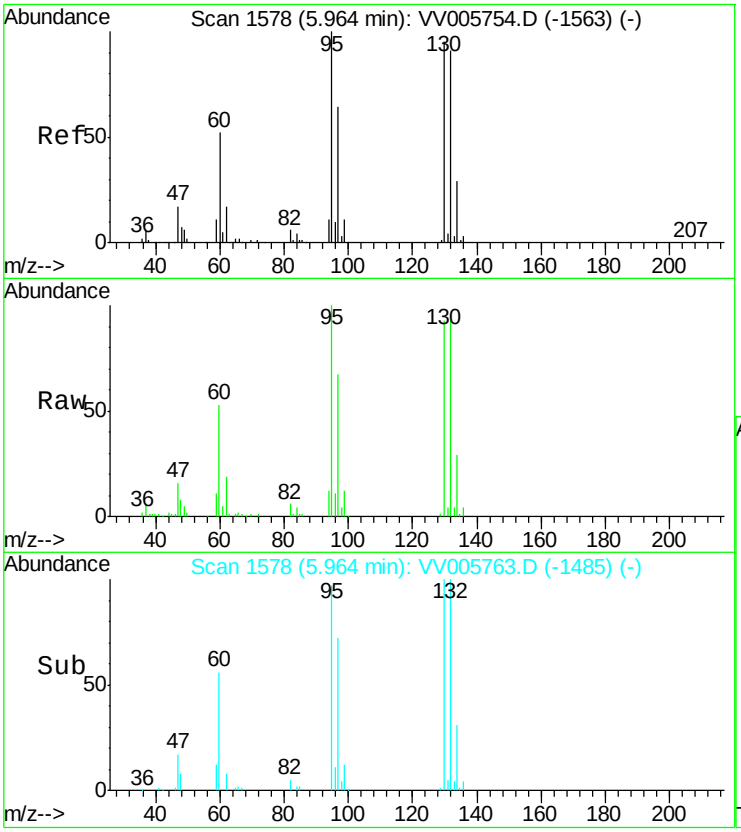


#27
1,2-Dichloroethane
Concen: 0.27 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 62 Resp: 4885

Ion	Ratio	Lower	Upper
62	100		
98	6.6	7.0	10.6#

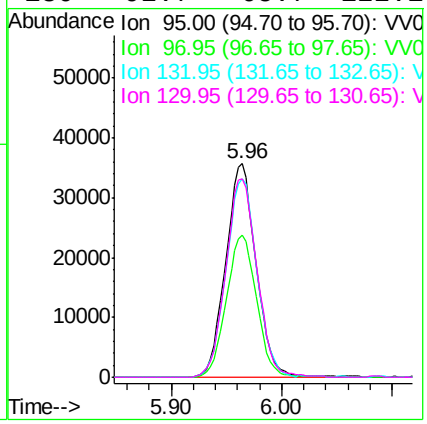


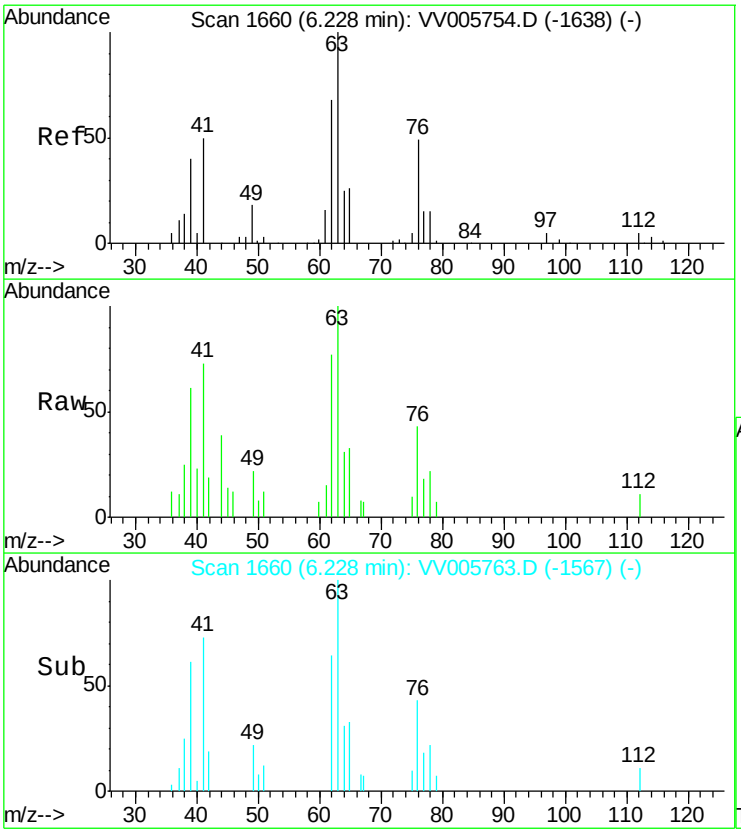


#34
Trichloroethene
Concen: 4.15 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 95 Resp: 68175

Ion	Ratio	Lower	Upper
95	100		
97	66.6	44.4	82.4
132	92.9	65.2	121.2
130	92.7	65.7	122.1

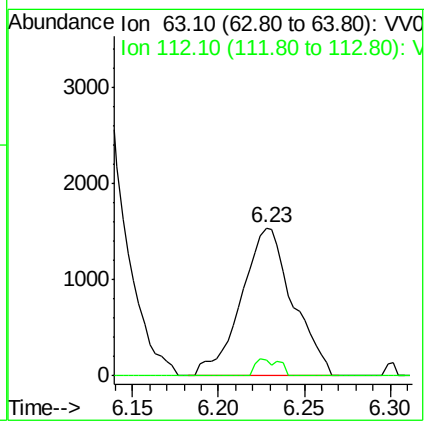


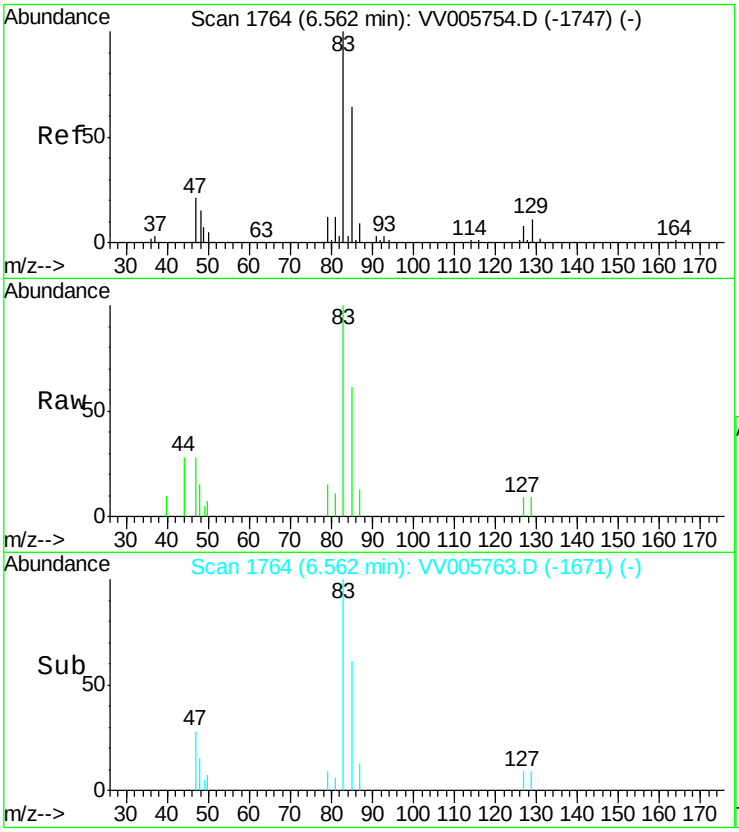


#37
1,2-Dichloropropane
Concen: 0.22 ug/L
RT: 6.23 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 63 Resp: 3212

Ion	Ratio	Lower	Upper
63	100		
112	5.2	3.4	5.0#

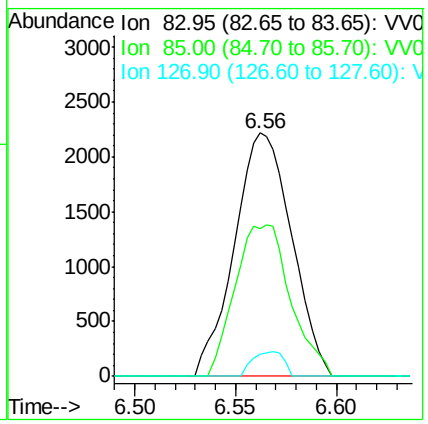


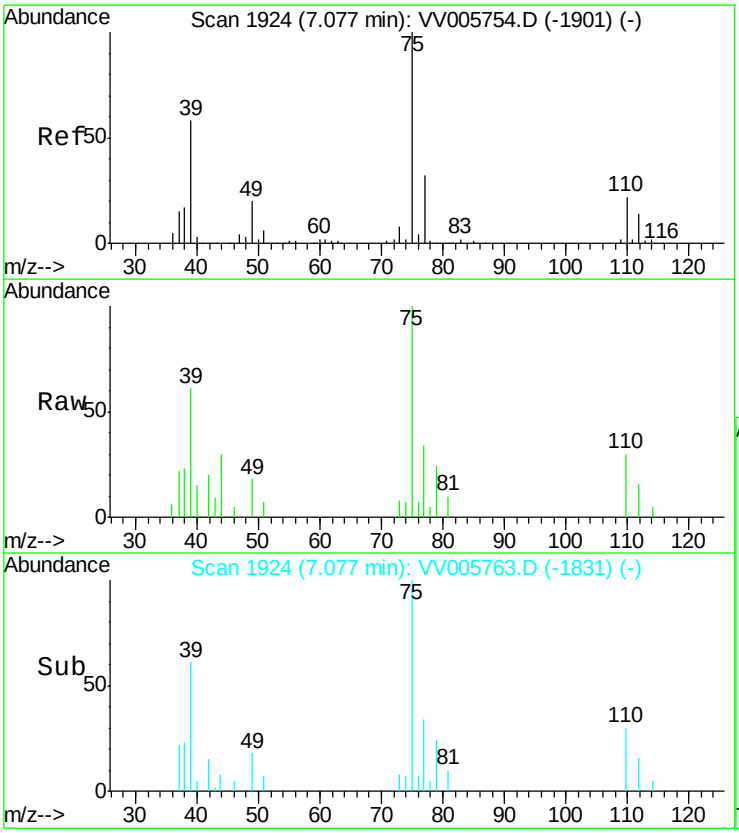


#38
Bromodichloromethane
Concen: 0.23 ug/L
RT: 6.56 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 83 Resp: 4382

Ion	Ratio	Lower	Upper
83	100		
85	60.7	44.1	81.9
127	9.1	7.4	11.2

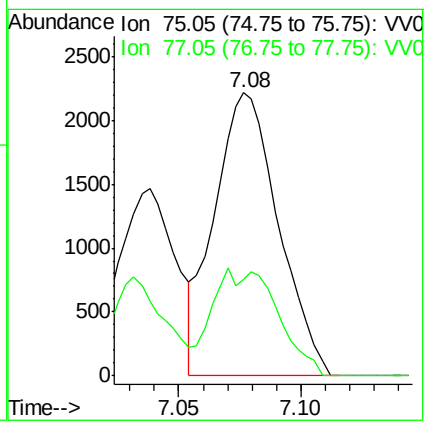


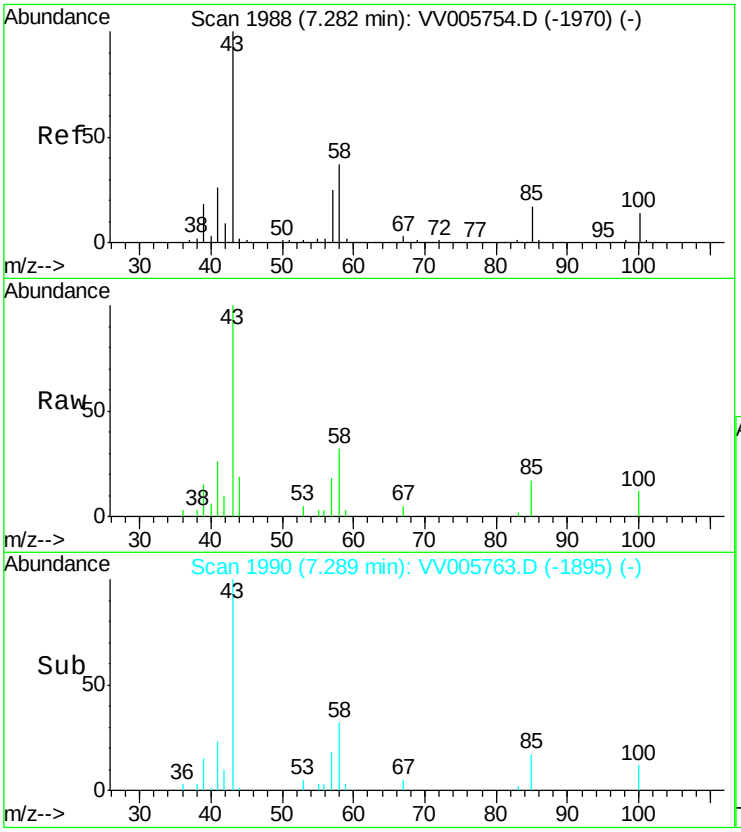


#39
cis-1,3-Dichloropropene
Concen: 0.20 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 75 Resp: 4028

Ion	Ratio	Lower	Upper
75	100		
77	34.3	22.3	41.5

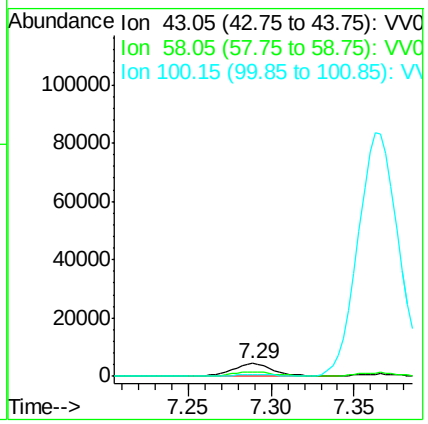


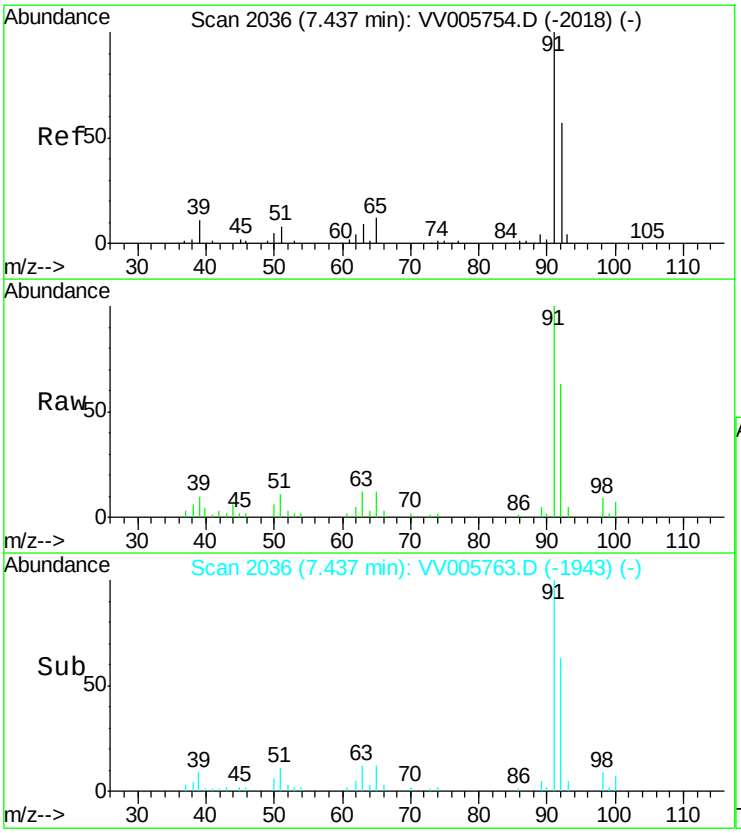


#40
4-Methyl-2-pentanone
Concen: 1.03 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 43 Resp: 7641

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.0	42.0
100	0.0	11.2	16.8#

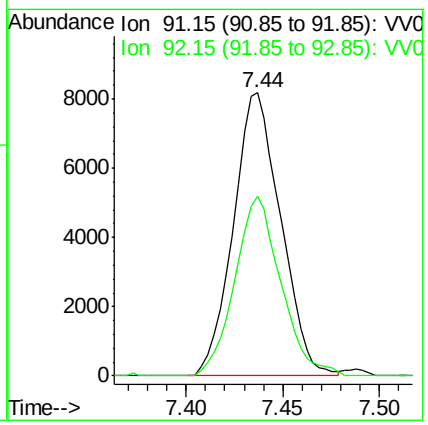


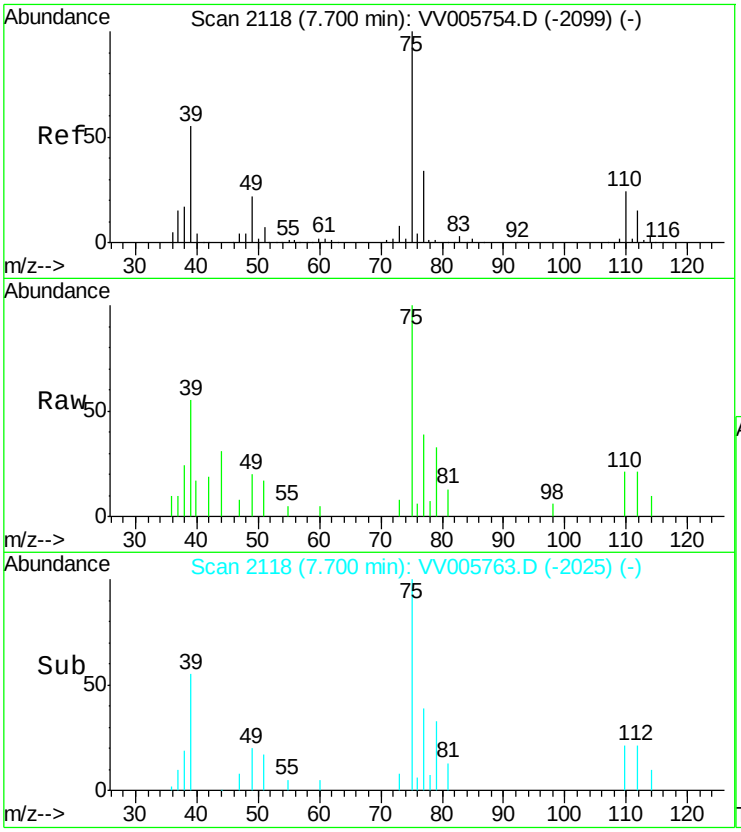


#42
Toluene
Concen: 0.23 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 91 Resp: 13898

Ion	Ratio	Lower	Upper
91	100		
92	63.3	40.7	75.7

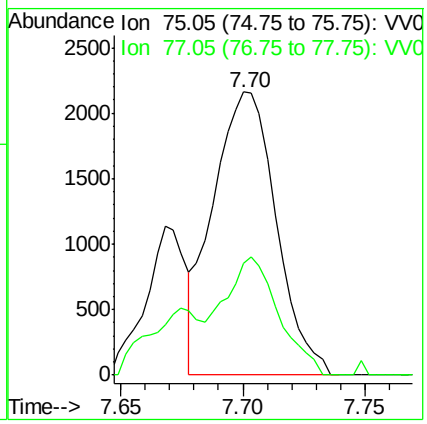


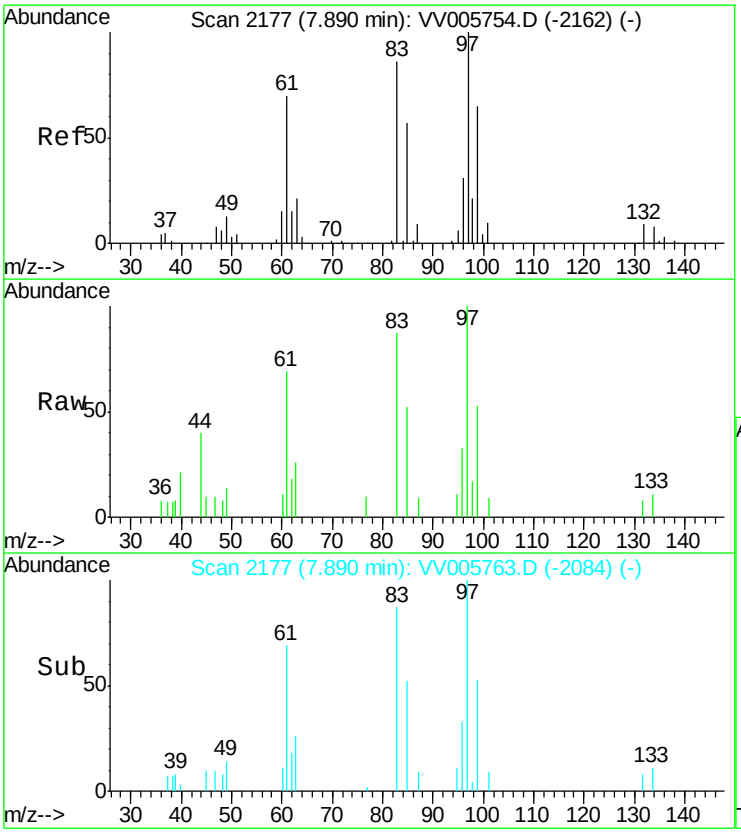


#44
trans-1,3-Dichloropropene
Concen: 0.24 ug/L
RT: 7.70 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 75 Resp: 3893

Ion	Ratio	Lower	Upper
75	100		
77	39.3	21.4	39.8

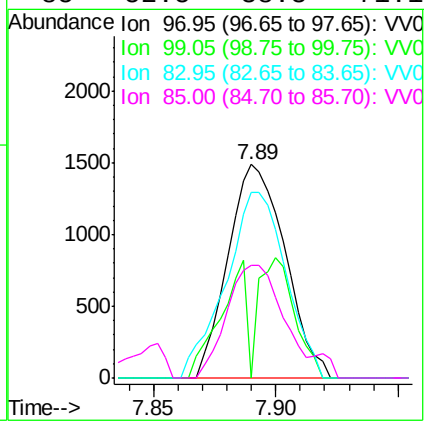


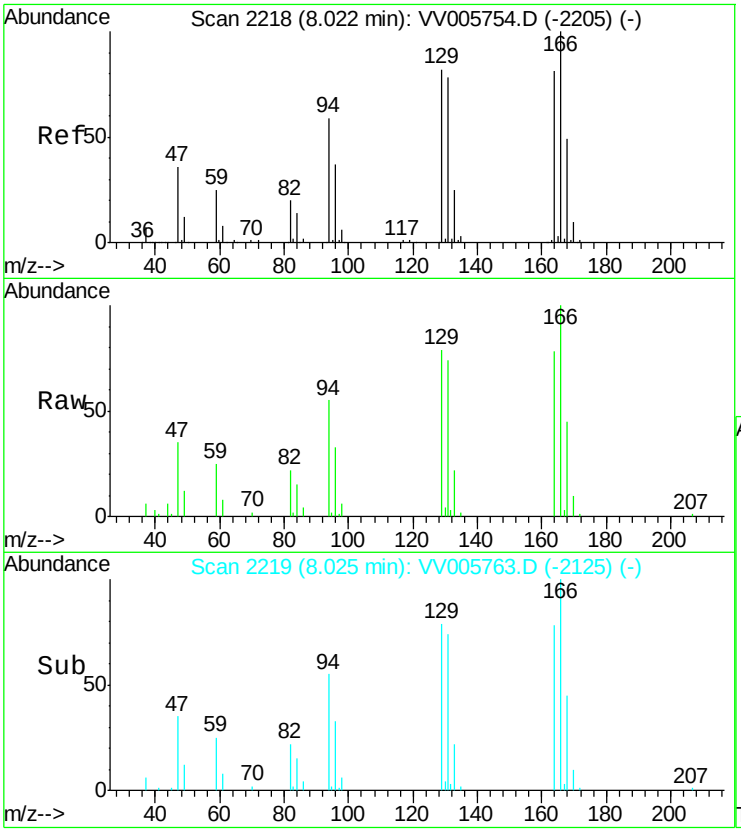


#45
1,1,2-Trichloroethane
Concen: 0.25 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 97 Resp: 2419

Ion	Ratio	Lower	Upper
97	100		
99	0.0	42.5	78.9#
83	87.1	60.5	112.3
85	52.5	38.3	71.1

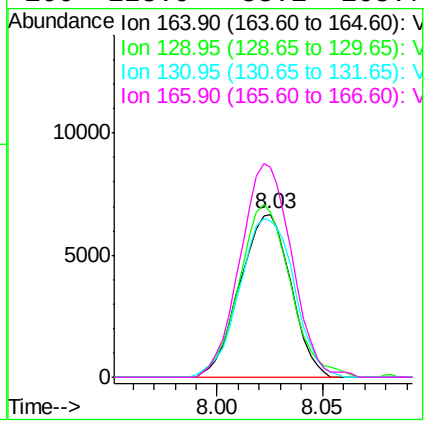


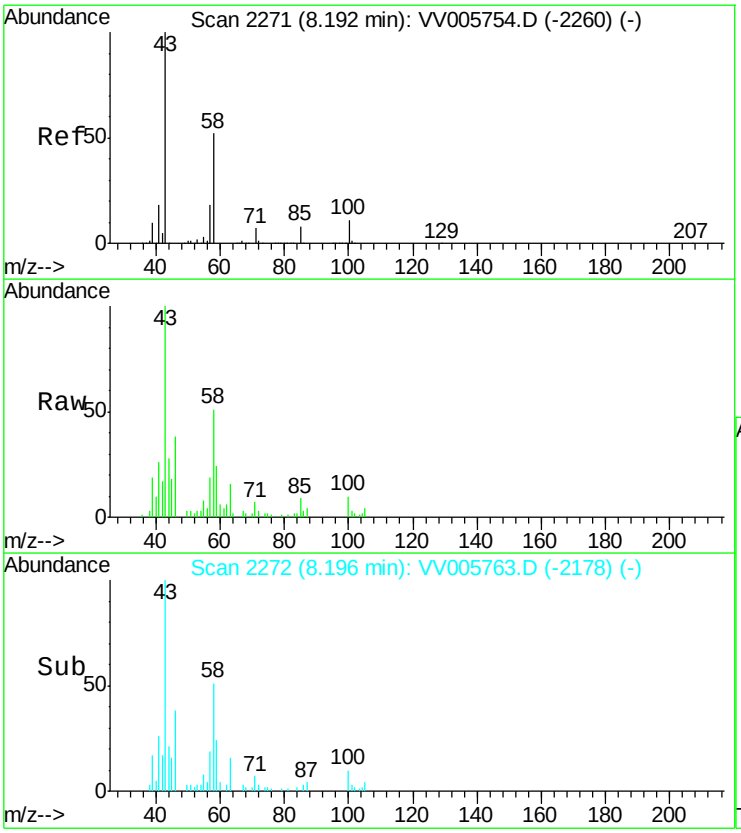


#47
Tetrachloroethene
Concen: 0.93 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:164 Resp: 11205

Ion	Ratio	Lower	Upper
164	100		
129	101.6	67.3	124.9
131	95.7	71.0	131.8
166	128.9	88.1	163.7

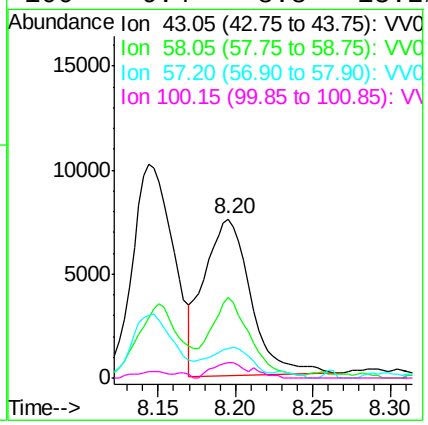


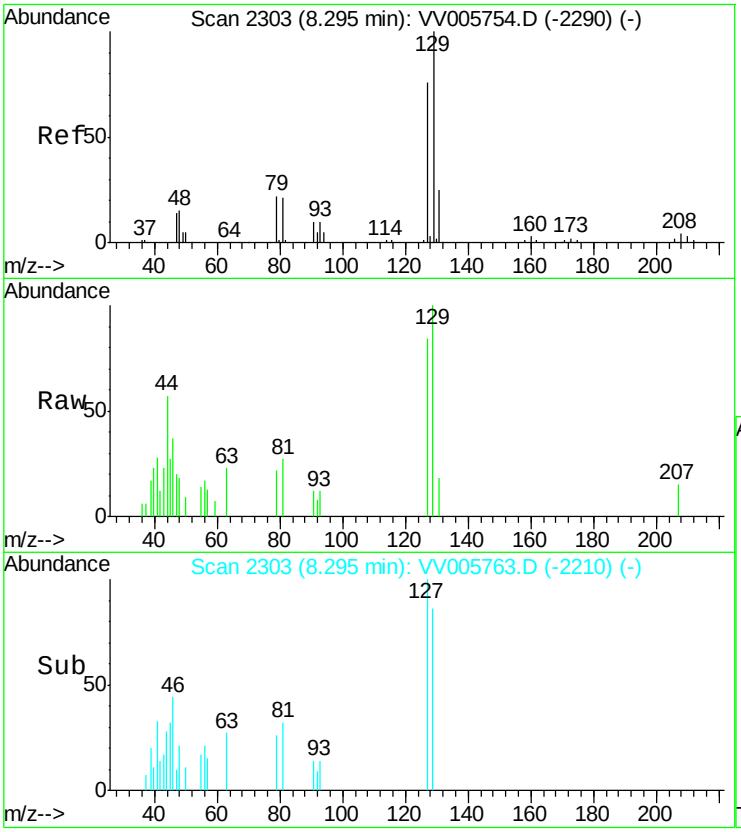


#48
2-Hexanone
Concen: 3.04 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 43 Resp: 15840

Ion	Ratio	Lower	Upper
43	100		
58	44.3	40.2	60.2
57	16.0	14.7	22.1
100	6.4	8.8	13.2#

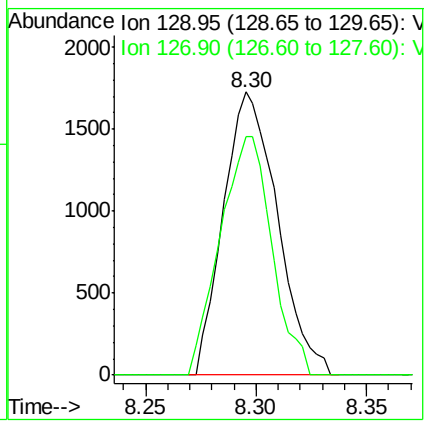


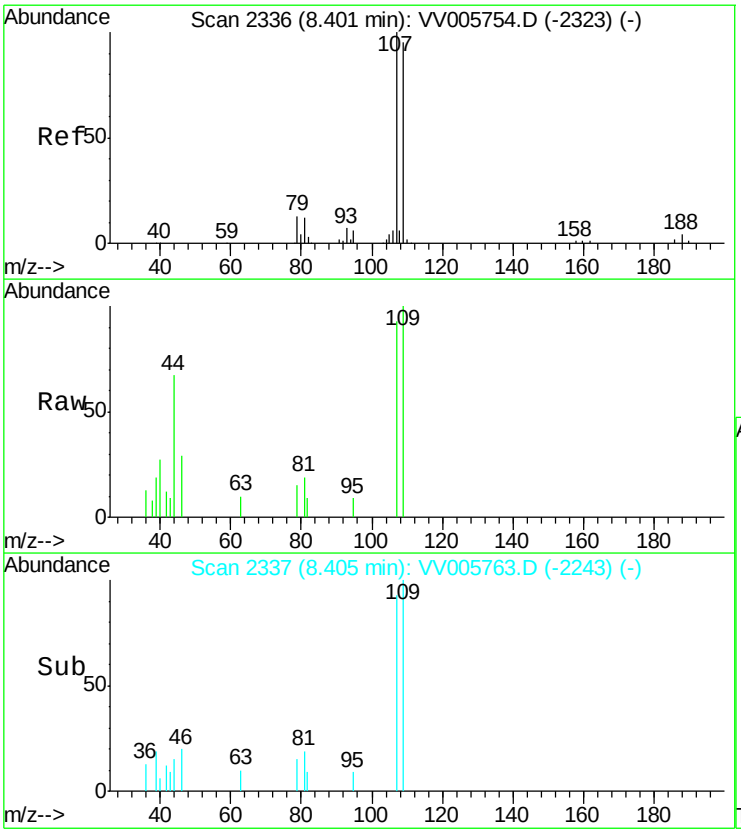


#49
Dibromochloromethane
Concen: 0.26 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:129 Resp: 2939

Ion	Ratio	Lower	Upper
129	100		
127	84.4	56.6	105.2

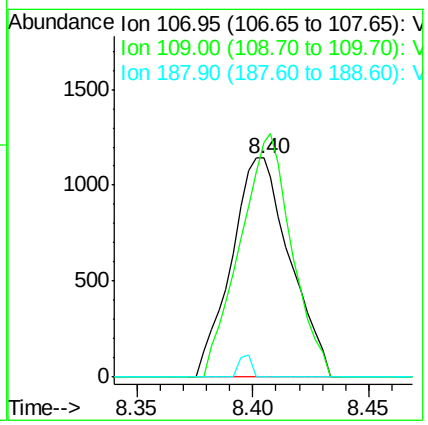


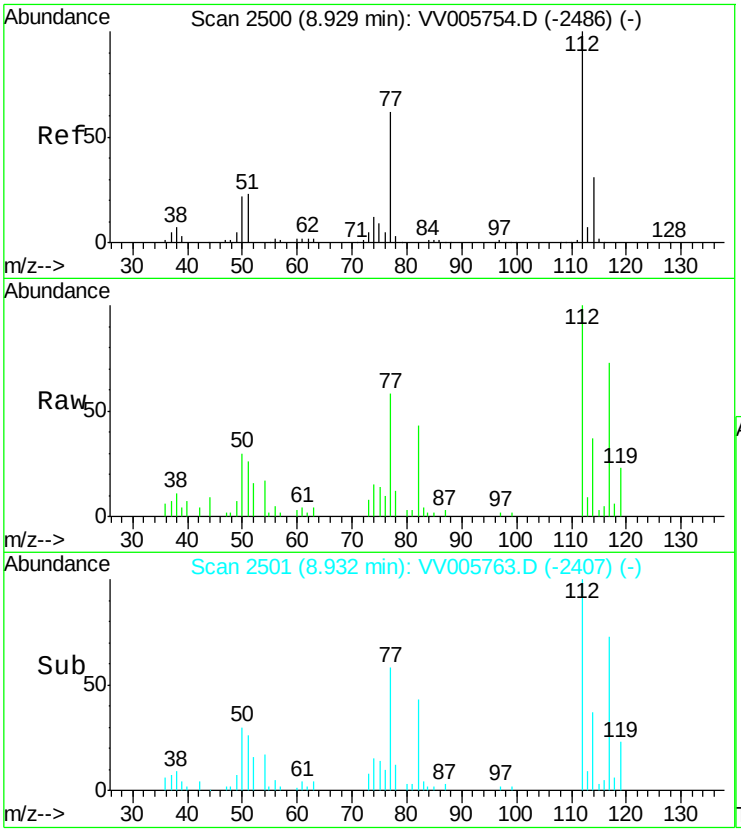


#50
1,2-Dibromoethane
Concen: 0.23 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:107 Resp: 2000

Ion	Ratio	Lower	Upper
107	100		
109	107.3	64.5	119.9
188	0.0	2.8	4.2#

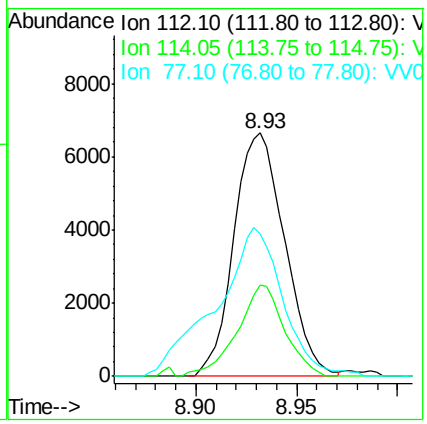


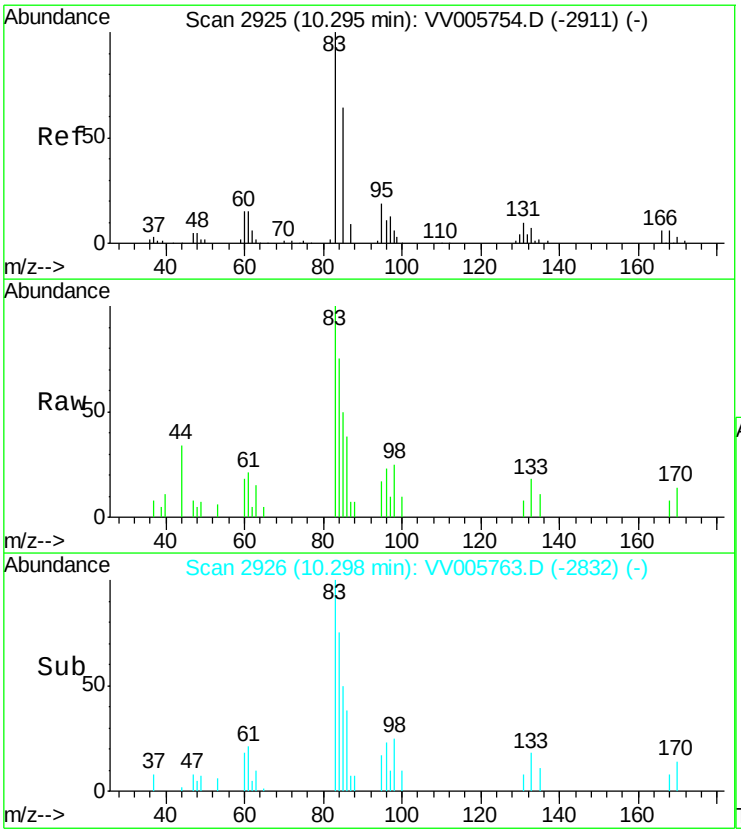


#51
Chlorobenzene
Concen: 0.29 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:112 Resp: 11750

Ion	Ratio	Lower	Upper
112	100		
114	37.3	23.2	43.0
77	58.4	48.5	72.7

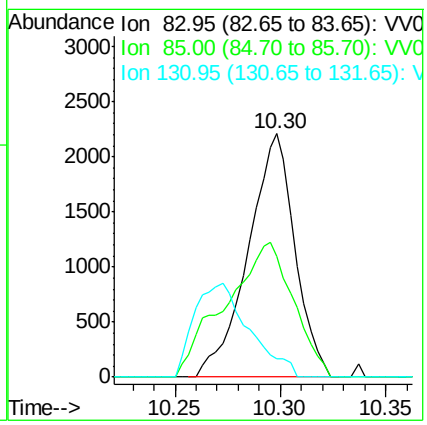


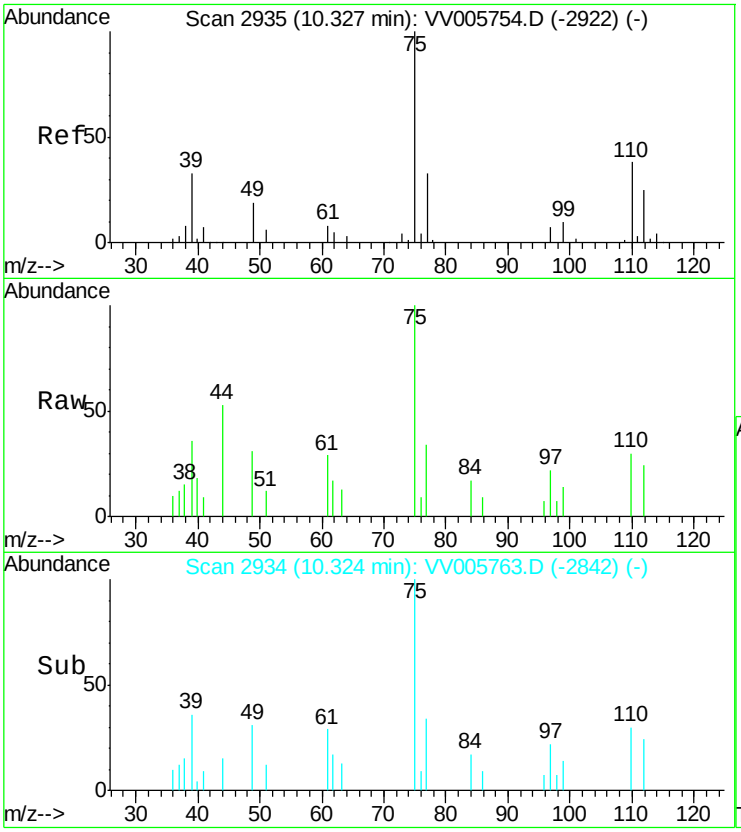


#58
1,1,2,2-Tetrachloroethane
Concen: 0.33 ug/L
RT: 10.30 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 83 Resp: 3404

Ion	Ratio	Lower	Upper
83	100		
85	49.8	44.2	82.2
131	7.6	8.3	12.5#

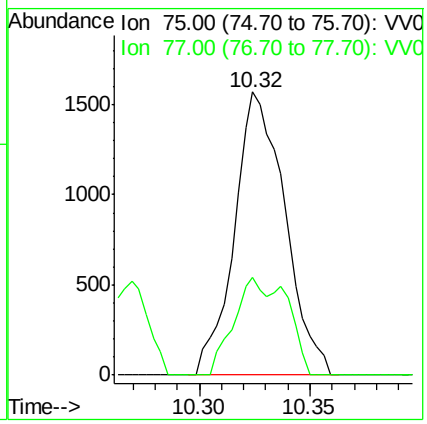


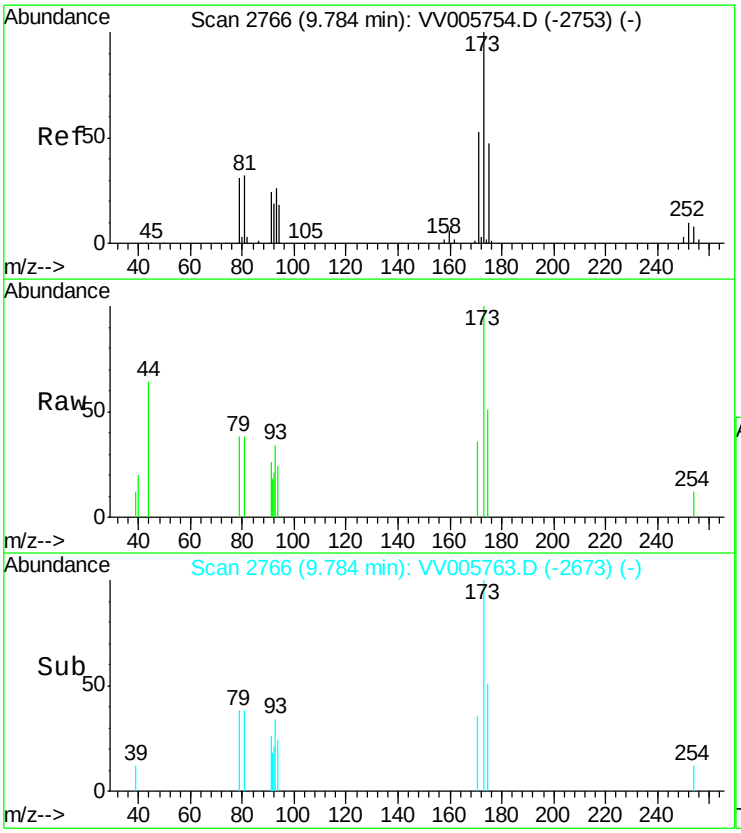


#59
1,2,3-Trichloropropane
Concen: 0.31 ug/L
RT: 10.32 min Scan# 2934
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 75 Resp: 2491

Ion	Ratio	Lower	Upper
75	100		
77	22.3	25.4	38.2#

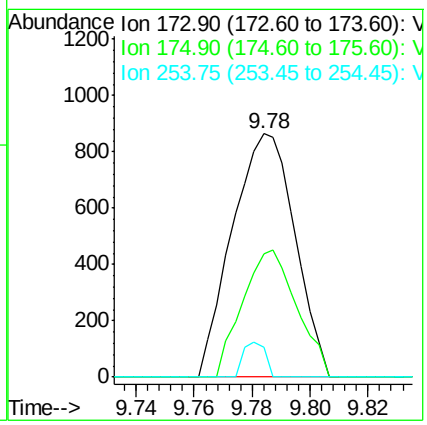


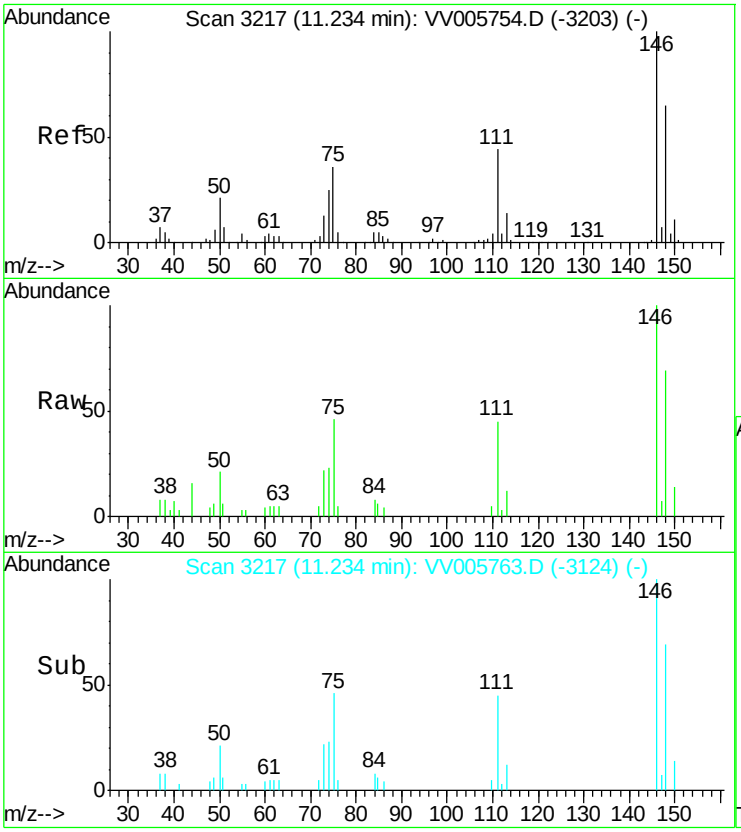


#61
Bromoform
Concen: 0.26 ug/L
RT: 9.78 min Scan# 2766
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:173 Resp: 1295

Ion	Ratio	Lower	Upper
173	100		
175	45.1	38.1	57.1
254	5.0	5.8	8.6#

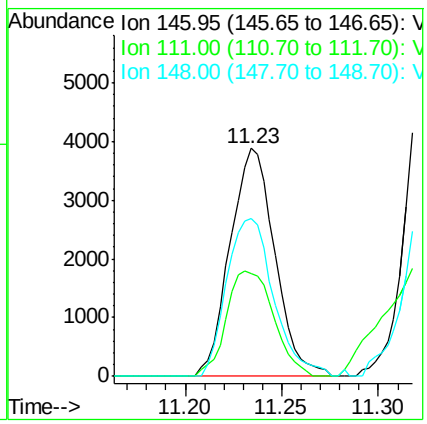


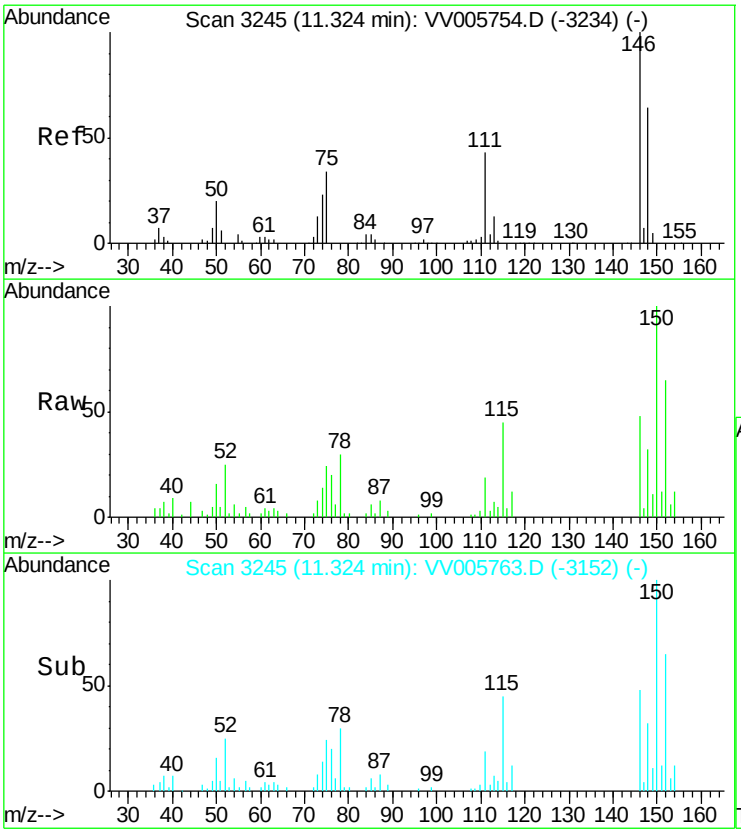


#62
1,3-Dichlorobenzene
Concen: 0.23 ug/L
RT: 11.23 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:146 Resp: 6257

Ion	Ratio	Lower	Upper
146	100		
111	44.9	29.8	55.4
148	69.4	44.4	82.4

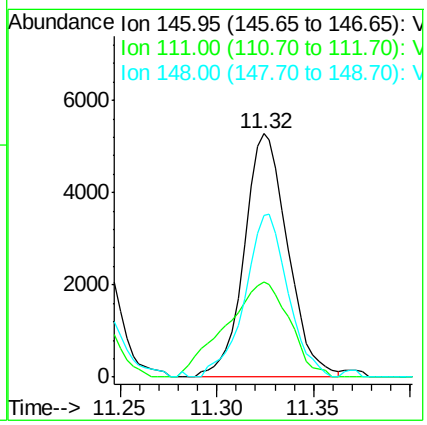


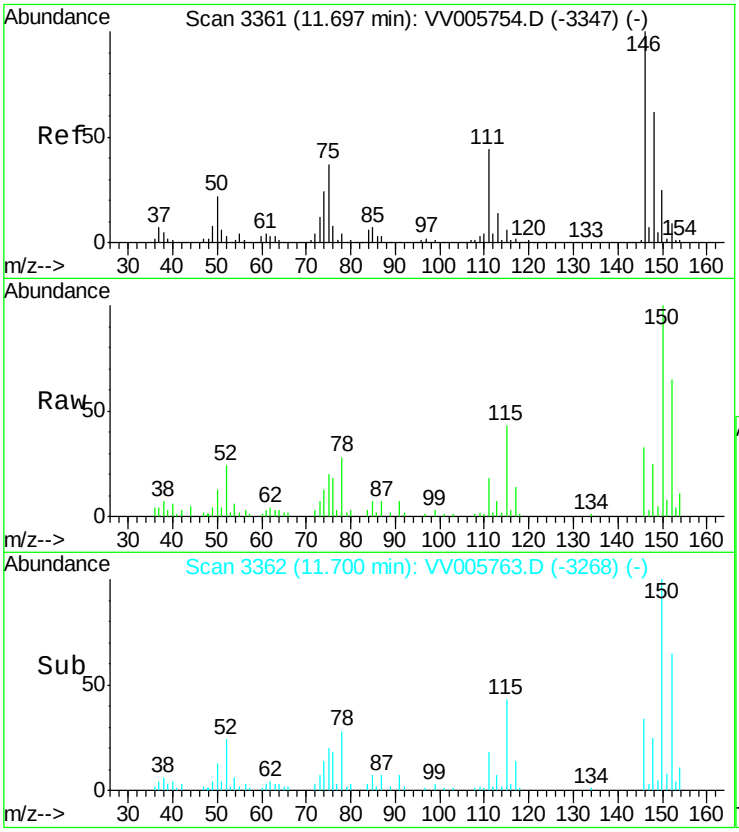


#63
1,4-Dichlorobenzene
Concen: 0.29 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:146 Resp: 8282

Ion	Ratio	Lower	Upper
146	100		
111	39.1	28.3	52.5
148	66.7	44.2	82.0

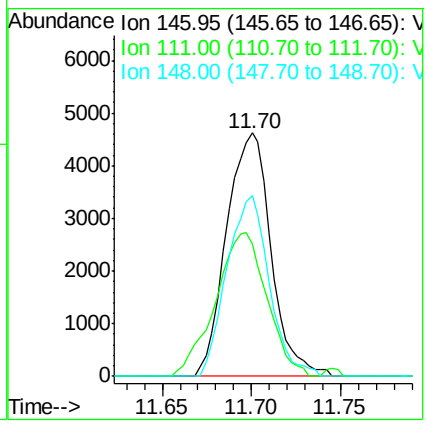


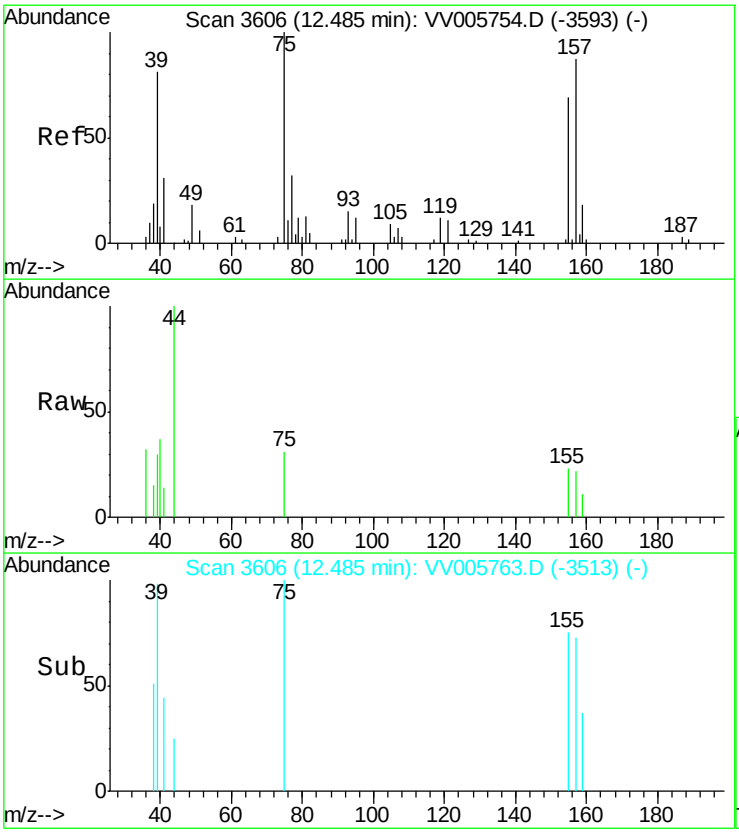


#65
1,2-Dichlorobenzene
Concen: 0.31 ug/L
RT: 11.70 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:146 Resp: 8044

Ion	Ratio	Lower	Upper
146	100		
111	54.4	36.2	54.4#
148	74.1	50.2	75.2

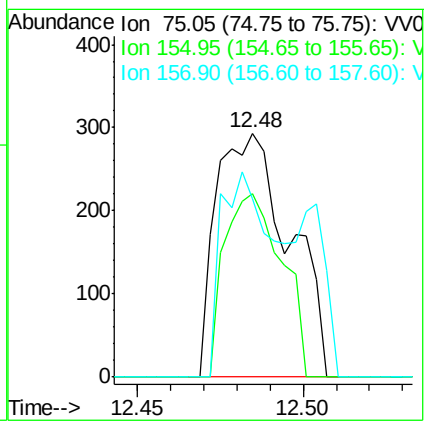


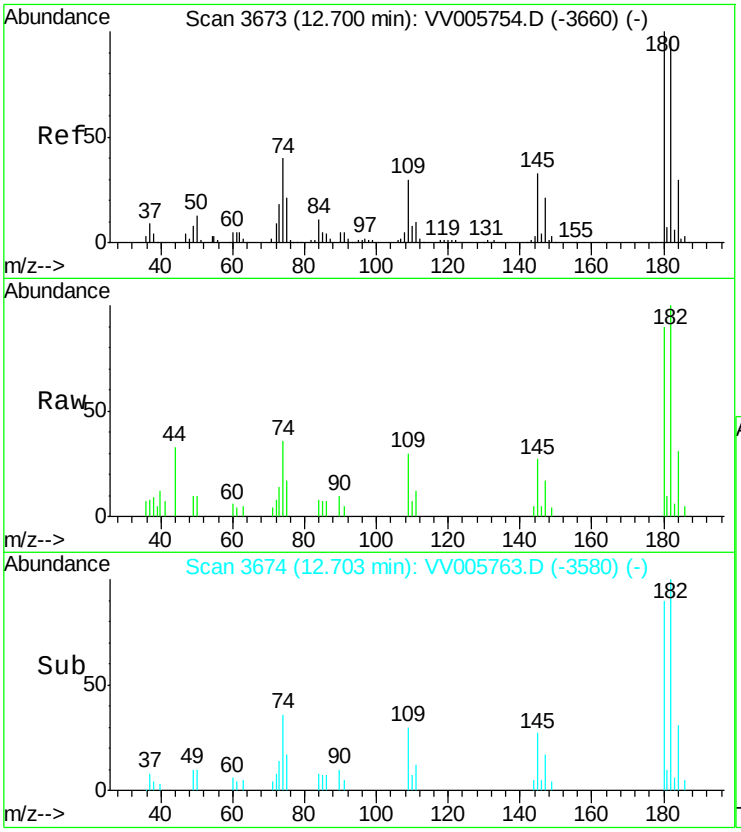


#66
1,2-Dibromo-3-chloropropane
Concen: 0.29 ug/L
RT: 12.48 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion: 75 Resp: 450

Ion	Ratio	Lower	Upper
75	100		
155	75.4	47.3	70.9#
157	73.4	75.3	112.9#

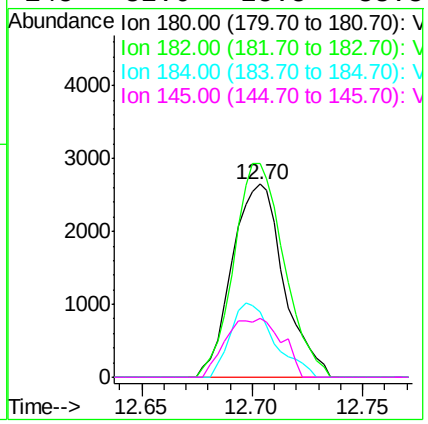


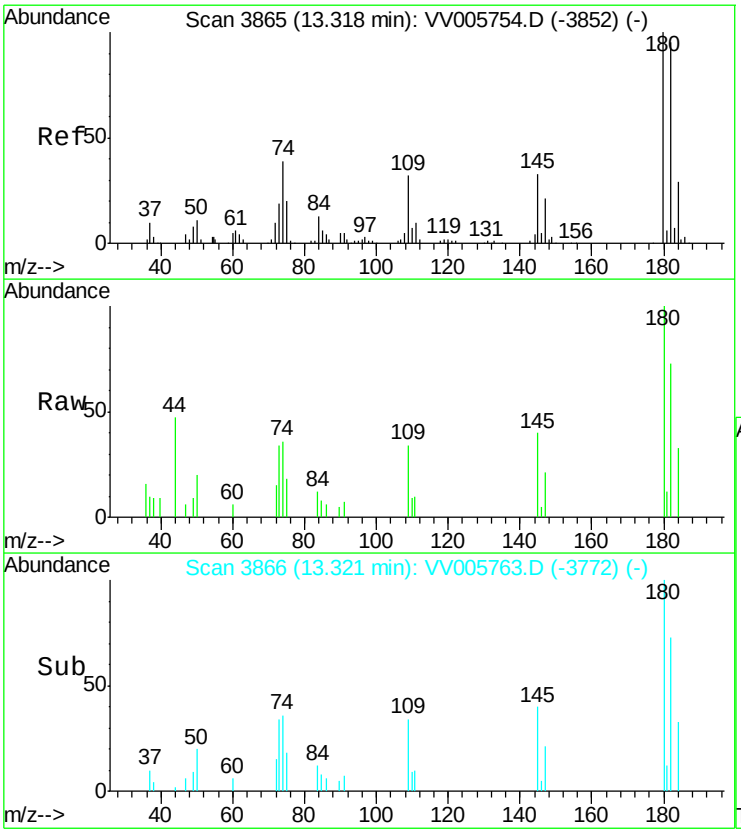


#67
1,3,5-Trichlorobenzene
Concen: 0.21 ug/L
RT: 12.70 min Scan# 3674
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:180 Resp: 4315

Ion	Ratio	Lower	Upper
180	100		
182	107.7	75.5	113.3
184	32.8	23.4	35.2
145	32.6	25.5	38.3

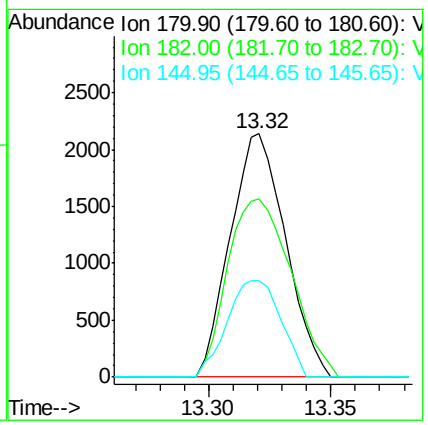


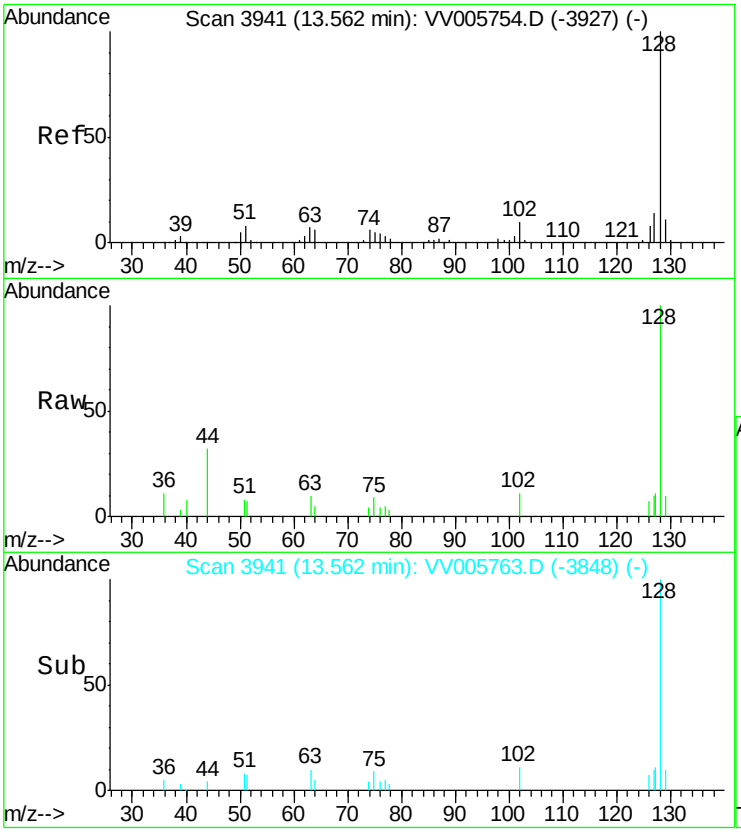


#68
1,2,4-trichlorobenzene
Concen: 0.23 ug/L
RT: 13.32 min Scan# 3866
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:180 Resp: 3364

Ion	Ratio	Lower	Upper
180	100		
182	84.0	77.2	115.8
145	38.5	27.7	41.5

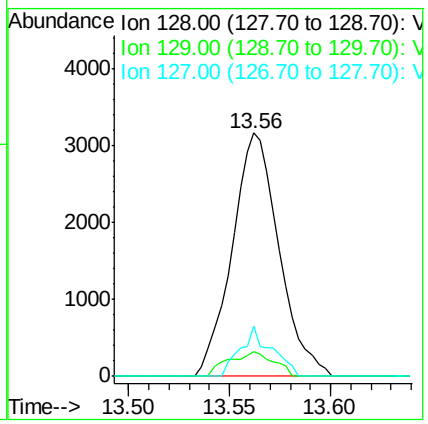


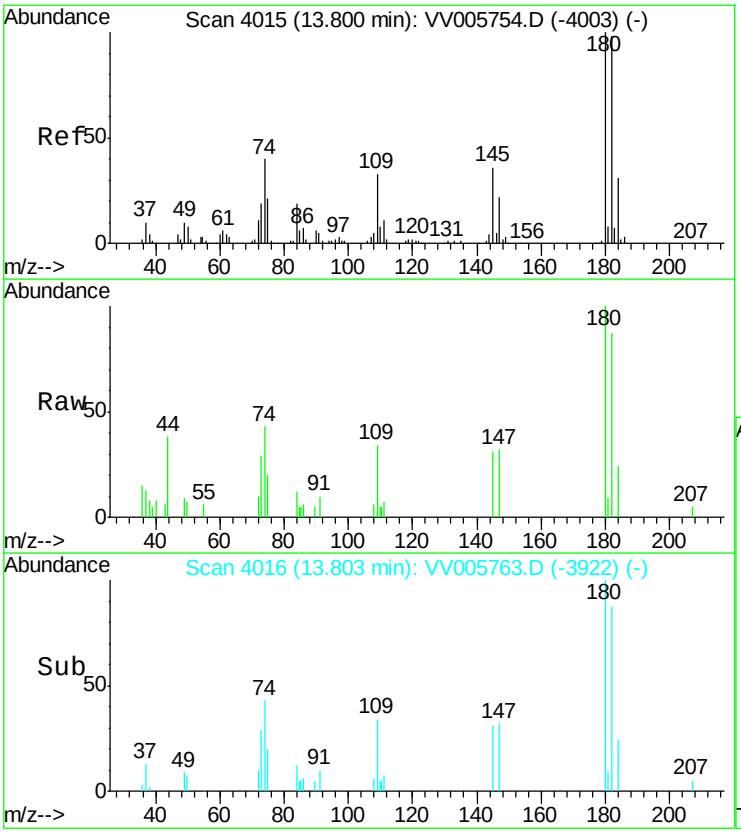


#69
Naphthalene
Concen: 0.23 ug/L
RT: 13.56 min Scan# 3941
Delta R.T. -0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:128 Resp: 5133

Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.8	13.2
127	13.6	10.6	15.8





#70
1,2,3-Trichlorobenzene
Concen: 0.24 ug/L
RT: 13.80 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VV005763.D
Acq: 03 May 2018 15:25

Tgt Ion:180 Resp: 3381

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.2
145	34.7	28.3	42.5