Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073120\
Data File : VV017769.D
Acq On : 31 Jul 2020 12:43
Operator : SY/MD
Sample : L3520-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBFG9

Quant Time: Aug 01 05:00:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 01 04:42:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142492	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	138250	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73613	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	31008	4.56	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 91.20%			
7) Chloroethane-d5	1.58	69	28096	5.40	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 108.00%			
11) 1,1-Dichloroethene-d2	2.12	63	69603	4.56	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.20%			
20) 2-Butanone-d5	3.95	46	75937	46.65	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 93.30%			
24) Chloroform-d	4.38	84	80368	4.88	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.60%			
26) 1,2-Dichloroethane-d4	5.06	65	46437	5.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 109.40%			
32) Benzene-d6	5.07	84	138912	4.56	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.20%			
36) 1,2-Dichloropropane-d6	6.09	67	36799	4.34	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 86.80%			
41) Toluene-d8	7.34	98	123784	4.24	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 84.80%			
45) trans-1,3-Dichloropropene-	7.65	79	17665	4.60	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.00%			
48) 2-Hexanone-d5	8.11	63	54845	46.10	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 92.20%			
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27107	4.60	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.00%			
65) 1,2-Dichlorobenzene-d4	11.65	152	57207	5.14	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.80%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	32006	3.151	ug/L	95
6) Bromomethane	1.53	94	22954	3.508	ug/L	97
9) Trichlorofluoromethane	1.76	101	151264	8.308	ug/L	98
12) 1,1-Dichloroethene	2.13	96	29541	3.850	ug/L	88
13) Acetone	2.22	43	112504	88.293	ug/L	97
14) Carbon disulfide	2.31	76	129448	5.549	ug/L	99
16) Methylene chloride	2.52	84	22979	2.691	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	184610	9.387	ug/L	98
19) 1,1-Dichloroethane	3.21	63	158140	8.995	ug/L	100
21) 2-Butanone	4.03	43	220278	102.378	ug/L	97
27) 1,2-Dichloroethane	5.16	62	97590	7.627	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	174057	8.999	ug/L	97
30) Cyclohexane	4.70	56	158938	10.371	ug/L	93
34) Trichloroethene	5.94	95	58617	5.363	ug/L	97
35) Methylcyclohexane	6.15	83	105681	6.391	ug/L	97
37) 1,2-Dichloropropane	6.20	63	17901	1.946	ug/L	98
42) Toluene	7.41	91	367052	8.598	ug/L	99

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073120\
Data File : VV017769.D
Acq On : 31 Jul 2020 12:43
Operator : SY/MD
Sample : L3520-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBFG9

Quant Time: Aug 01 05:00:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 01 04:42:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Tetrachloroethene	8.00	164	85706	8.893	ug/L	97
50) 2-Hexanone	8.16	43	171509	48.070	ug/L	95
52) 1,2-Dibromoethane	8.37	107	95841	14.561	ug/L	100
53) Chlorobenzene	8.90	112	308594	10.843	ug/L	98
54) Ethylbenzene	9.03	91	322949	6.757	ug/L	99
55) m,p-xylene	9.16	106	249655	13.869	ug/L	92
56) o-xylene	9.56	106	99587	5.701	ug/L	98
57) Styrene	9.58	104	164536	5.645	ug/L	98
58) Isopropylbenzene	9.95	105	169244	3.512	ug/L	99
62) Bromoform	9.75	173	24844	5.273	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	108278	4.553	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	275395	12.756	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	5257	3.894	ug/L	94
71) 1,2,3-Trichlorobenzene	13.77	180	153034	10.724	ug/L	98

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV073120\
Data File : VV017769.D
Acq On : 31 Jul 2020 12:43
Operator : SY/MD
Sample : L3520-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
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Quant Time: Aug 01 05:00:02 2020
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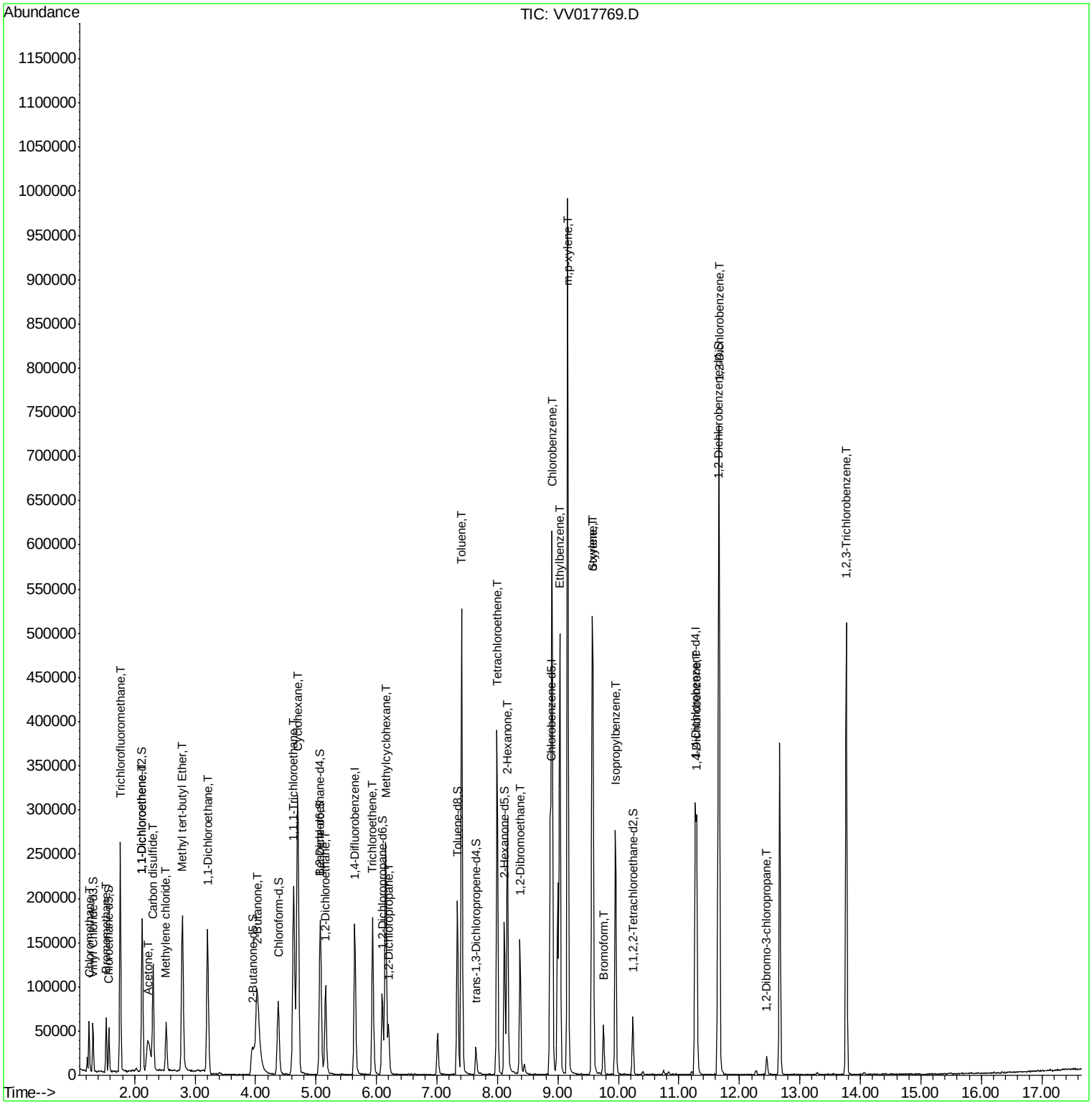
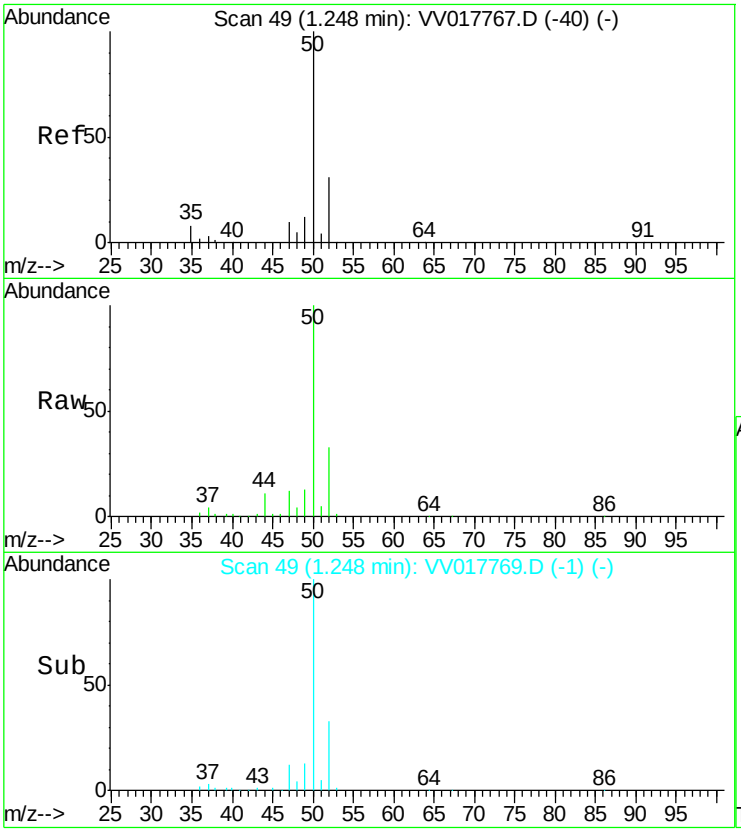
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 01 04:42:38 2020
Response via : Initial Calibration



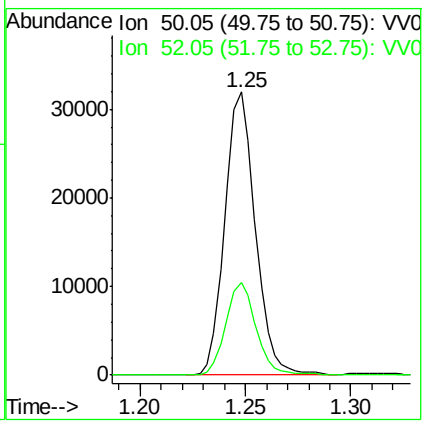


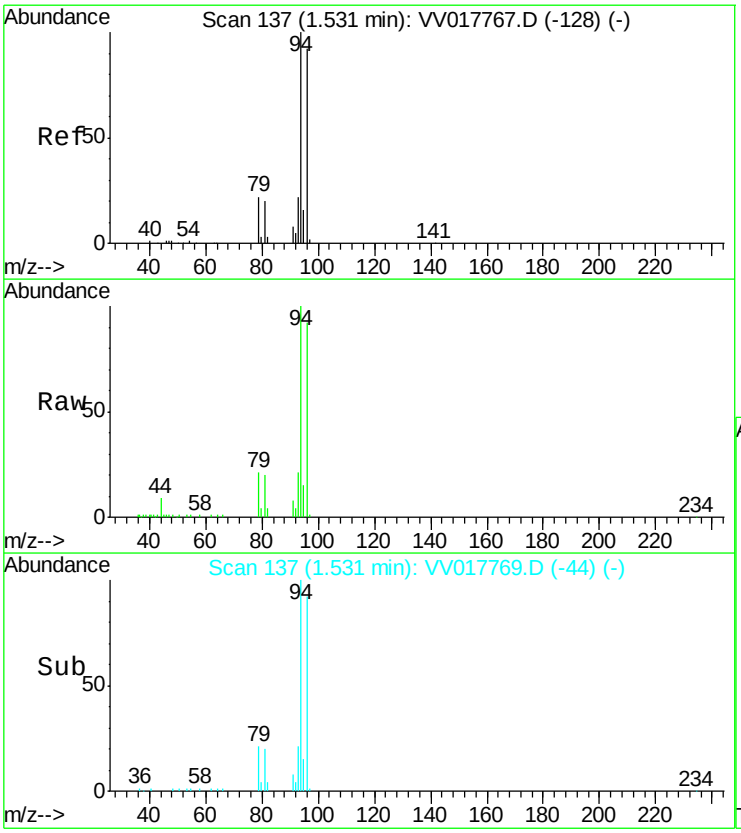
#3
Chloromethane
Concen: 3.151 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 50 Resp: 32006

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.1	46.5

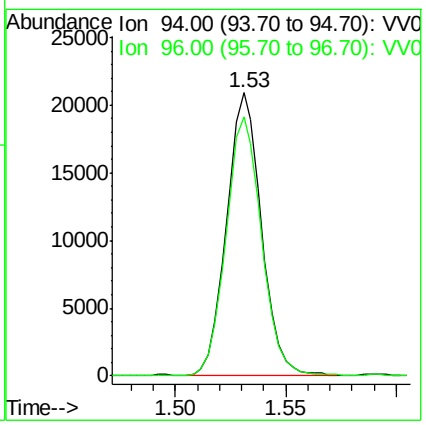


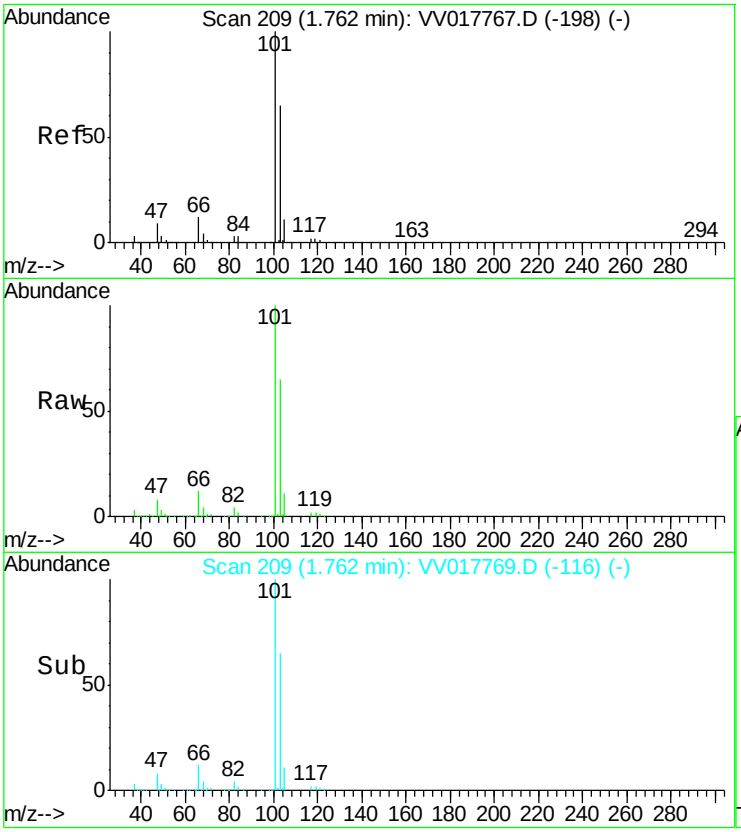


#6
Bromomethane
Concen: 3.508 ug/L
RT: 1.53 min Scan# 137
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 94 Resp: 22954

Ion	Ratio	Lower	Upper
94	100		
96	91.5	65.9	122.5



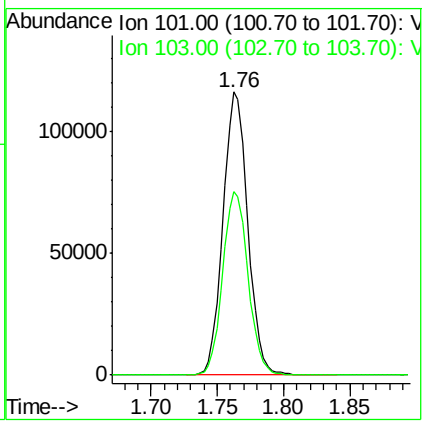


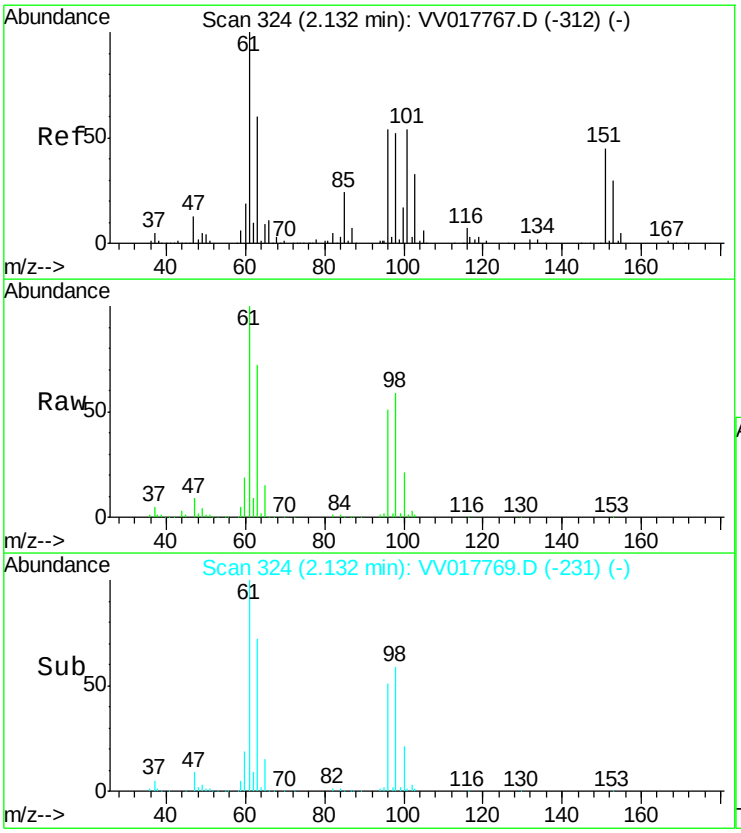
#9
Trichlorofluoromethane
Concen: 8.308 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion:101 Resp: 151264

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.7	77.5

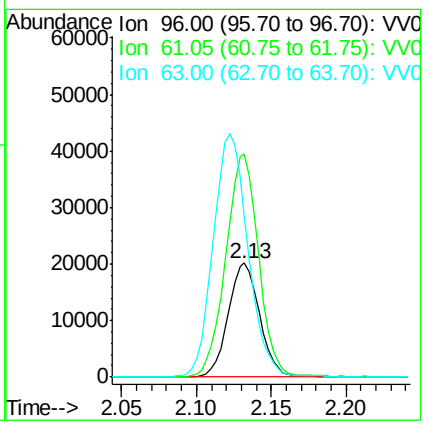


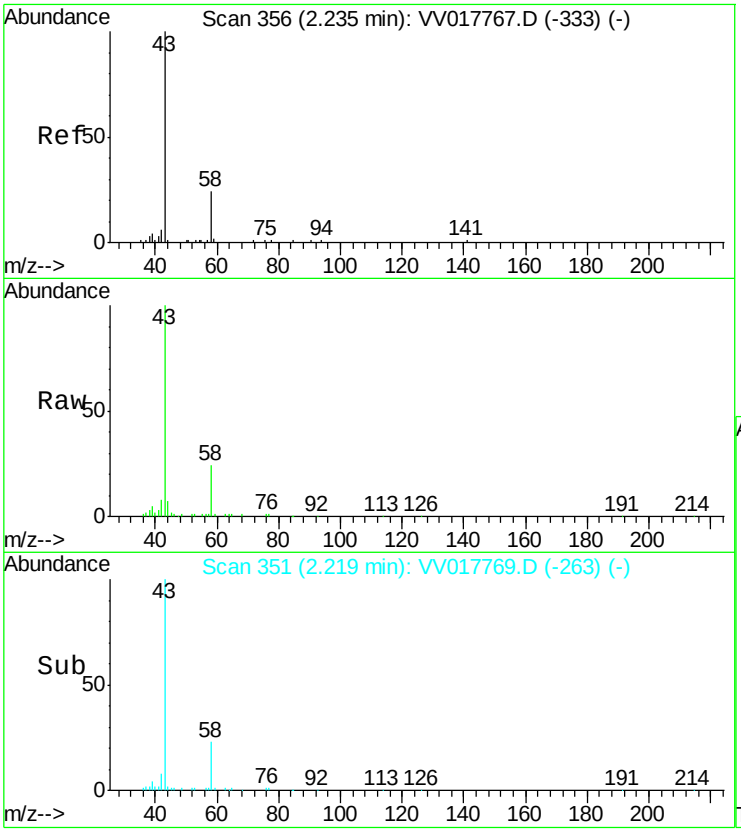


#12
1,1-Dichloroethene
Concen: 3.850 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 96 Resp: 29541

Ion	Ratio	Lower	Upper
96	100		
61	195.8	123.1	228.7
63	141.4	91.2	169.4



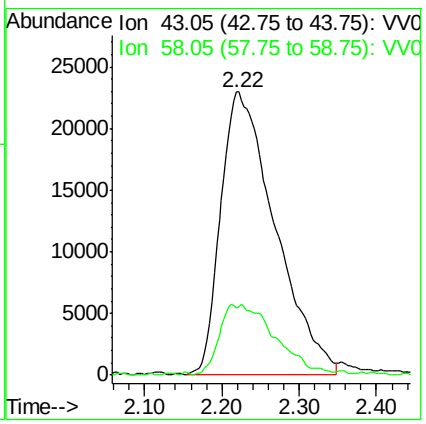


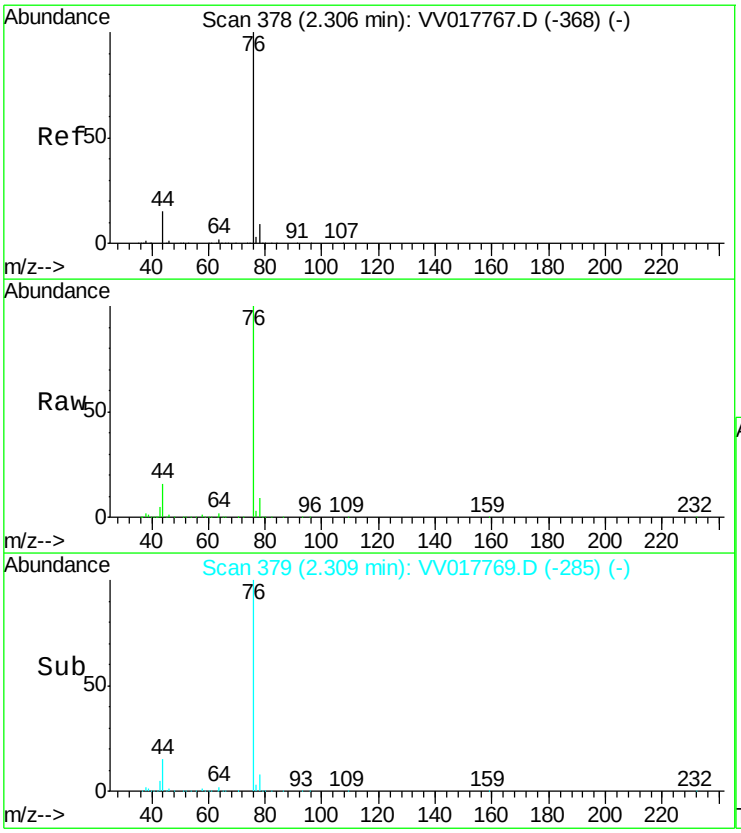
#13
Acetone
Concen: 88.293 ug/L
RT: 2.22 min Scan# 351
Delta R.T. -0.02 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument : MSVOA_V
ClientSampleId : DBFG9

Tgt Ion: 43 Resp: 112504

Ion	Ratio	Lower	Upper
43	100		
58	8.3	0.0	18.6

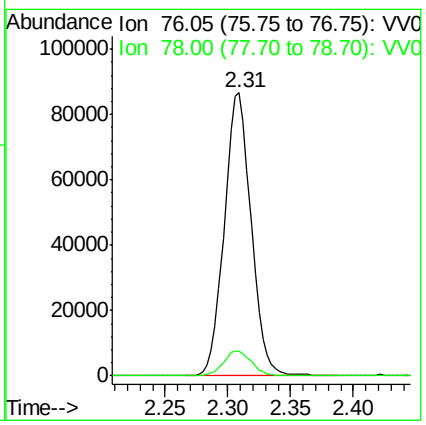


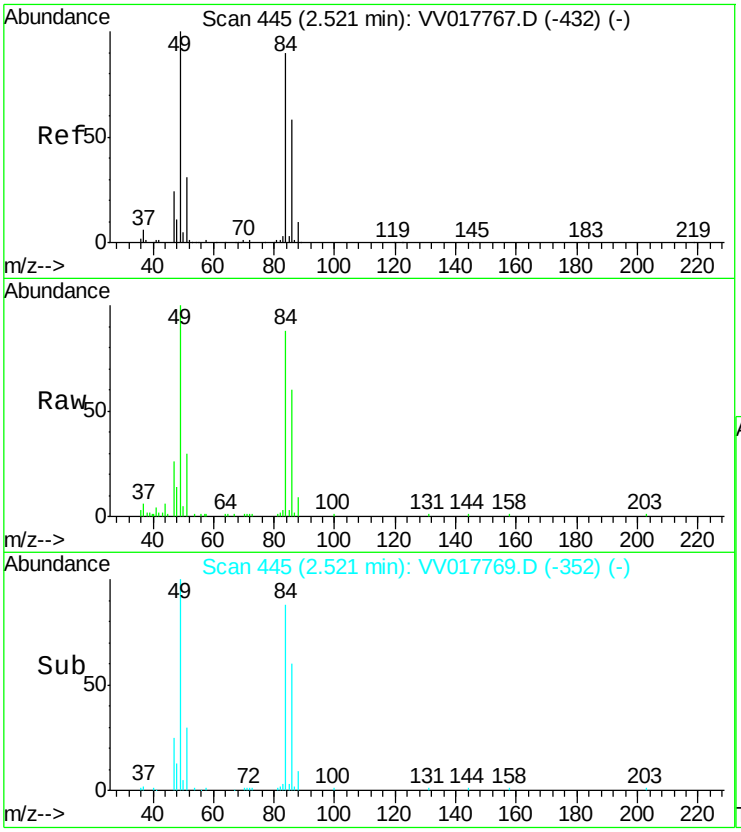


#14
Carbon disulfide
Concen: 5.549 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 76 Resp: 129448

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.6	10.0



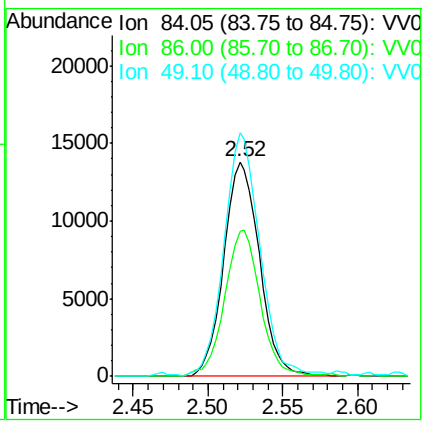


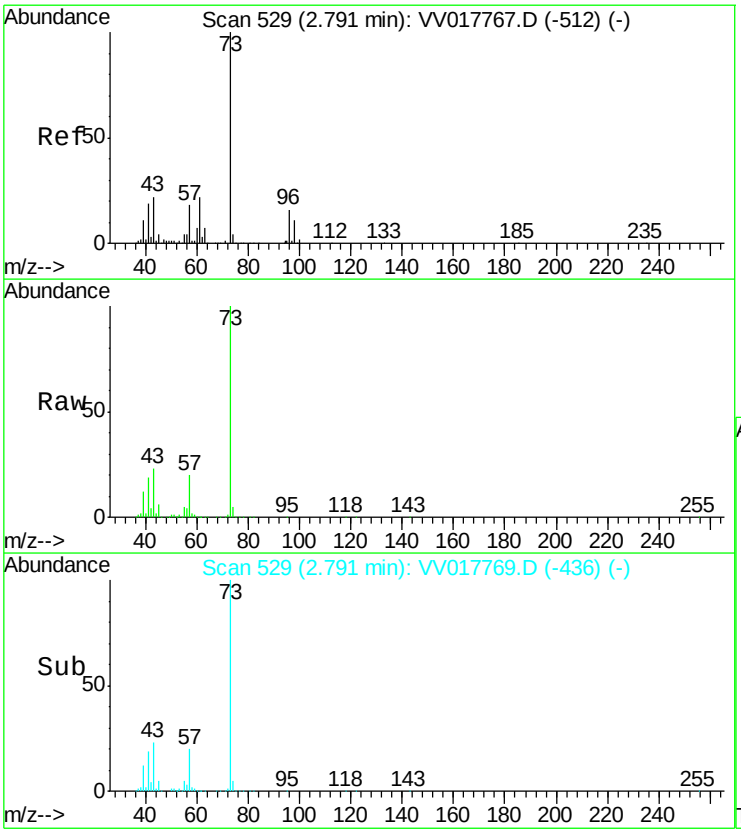
#16
Methylene chloride
Concen: 2.691 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument : MSVOA_V
ClientSampleId : DBFG9

Tgt Ion: 84 Resp: 22979

Ion	Ratio	Lower	Upper
84	100		
86	67.7	46.5	86.3
49	113.7	79.2	147.2

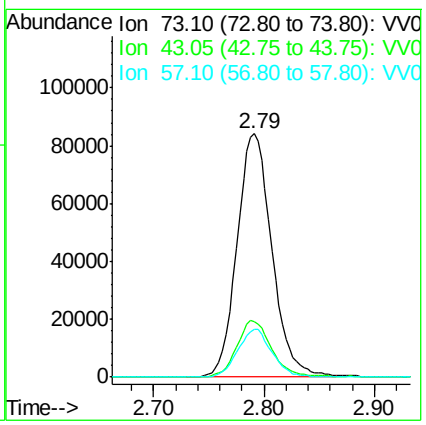


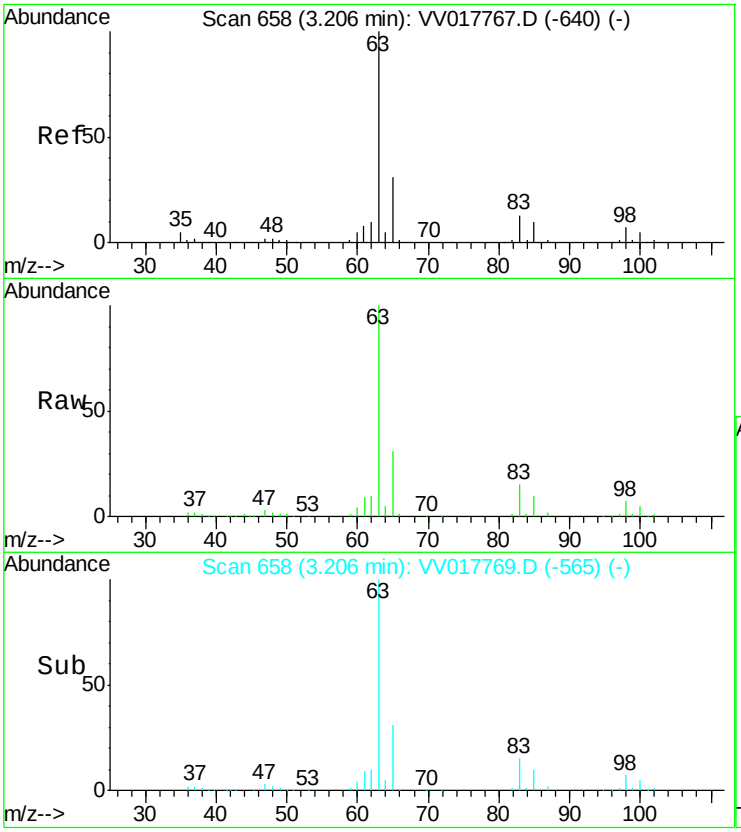


#17
Methyl tert-butyl Ether
Concen: 9.387 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 73 Resp: 184610

Ion	Ratio	Lower	Upper
73	100		
43	23.4	18.3	27.5
57	19.2	16.7	25.1



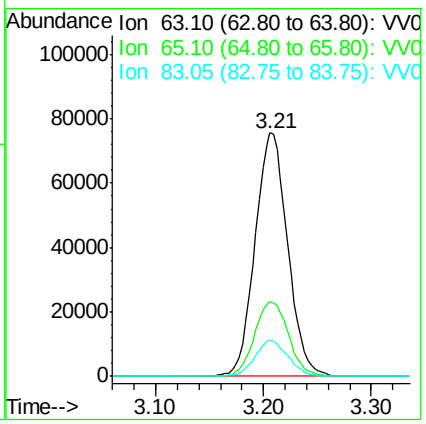


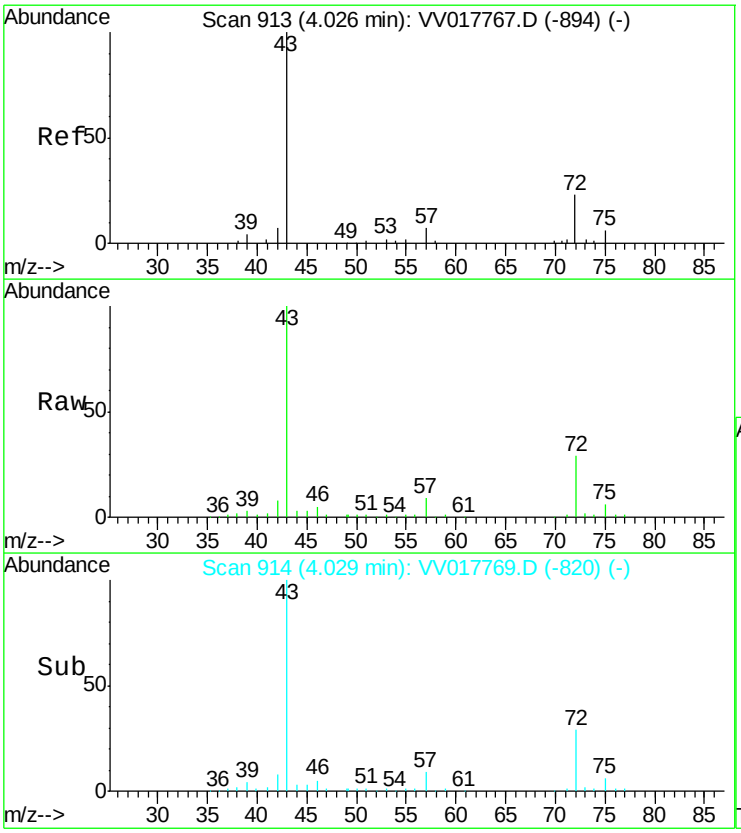
#19
1,1-Dichloroethane
Concen: 8.995 ug/L
RT: 3.21 min Scan# 658
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 63 Resp: 158140

Ion	Ratio	Lower	Upper
63	100		
65	30.5	21.4	39.8
83	15.0	10.4	19.4

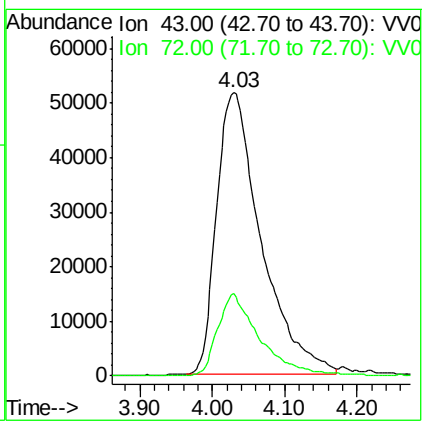


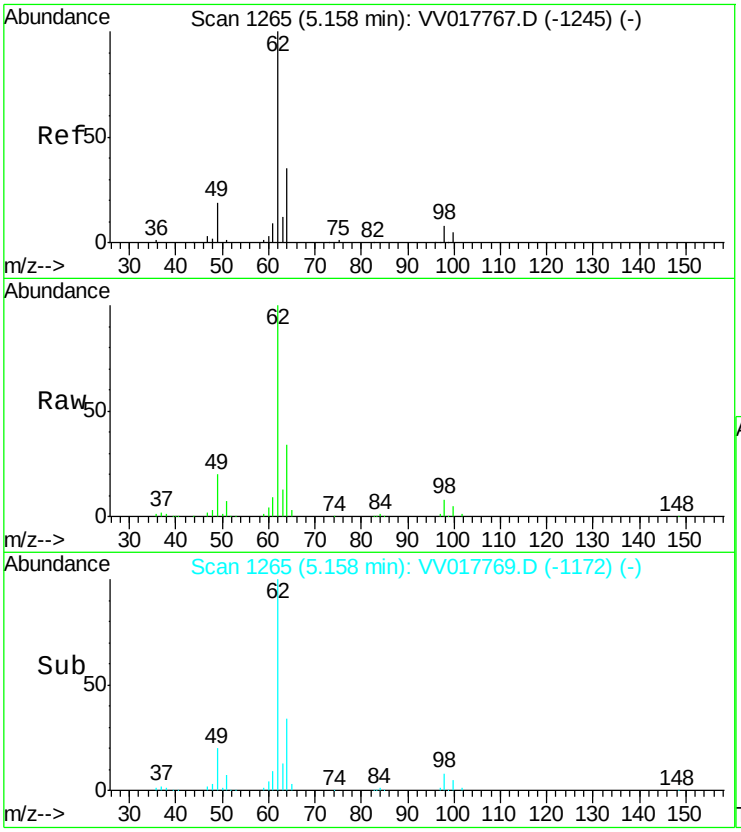


#21
2-Butanone
Concen: 102.378 ug/L
RT: 4.03 min Scan# 914
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 43 Resp: 220278

Ion	Ratio	Lower	Upper
43	100		
72	27.7	13.0	38.9



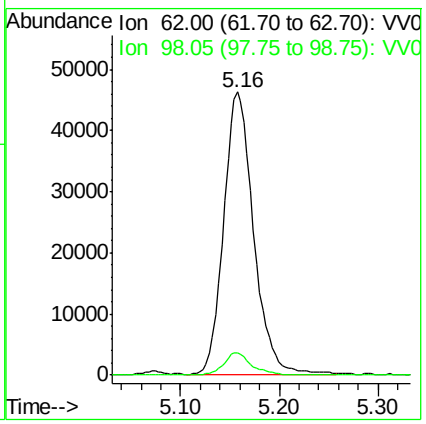


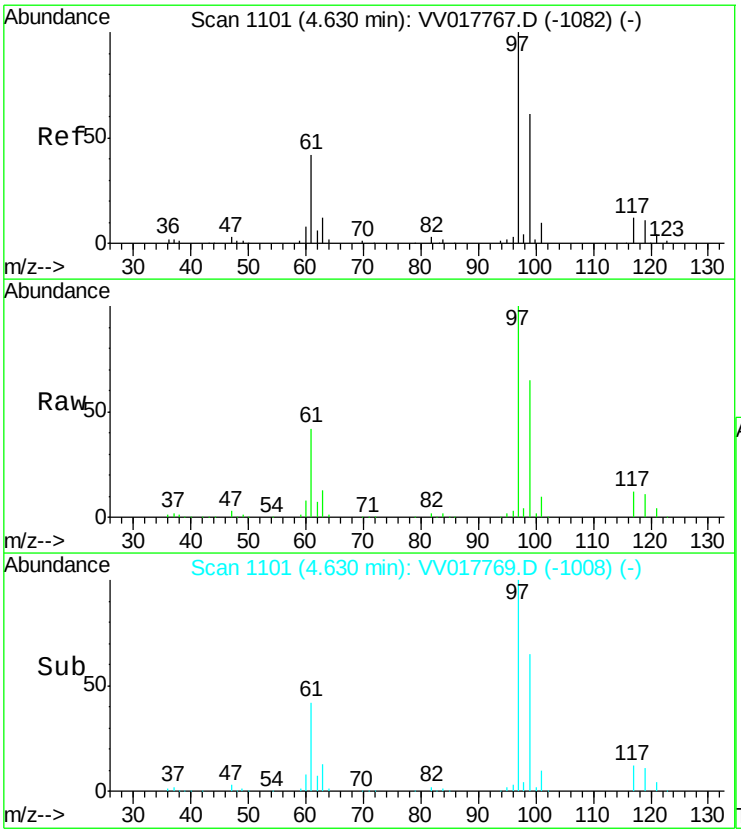
#27
1,2-Dichloroethane
Concen: 7.627 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 62 Resp: 97590

Ion	Ratio	Lower	Upper
62	100		
98	7.9	7.0	10.6

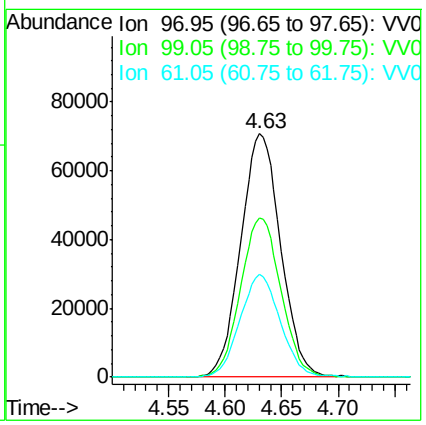


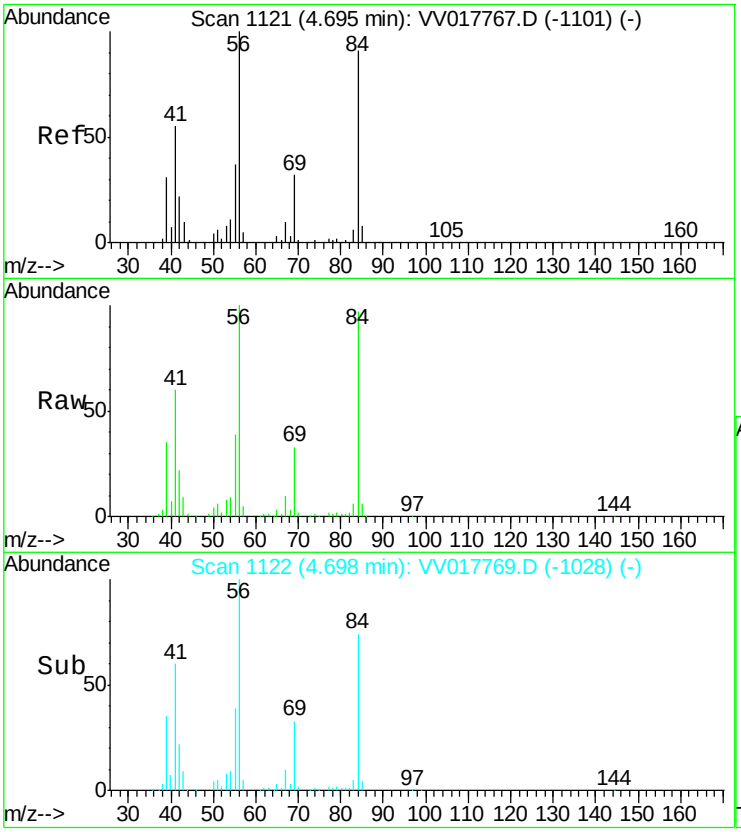


#29
1,1,1-Trichloroethane
Concen: 8.999 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 97 Resp: 174057

Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.6	76.0
61	42.6	35.7	53.5



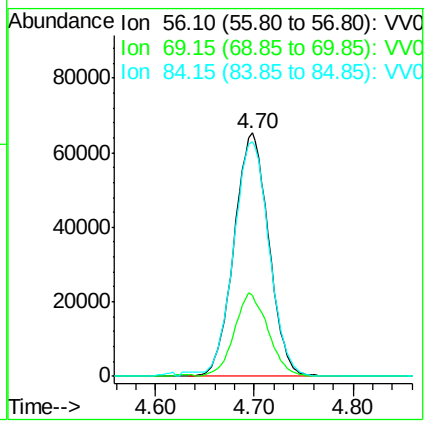


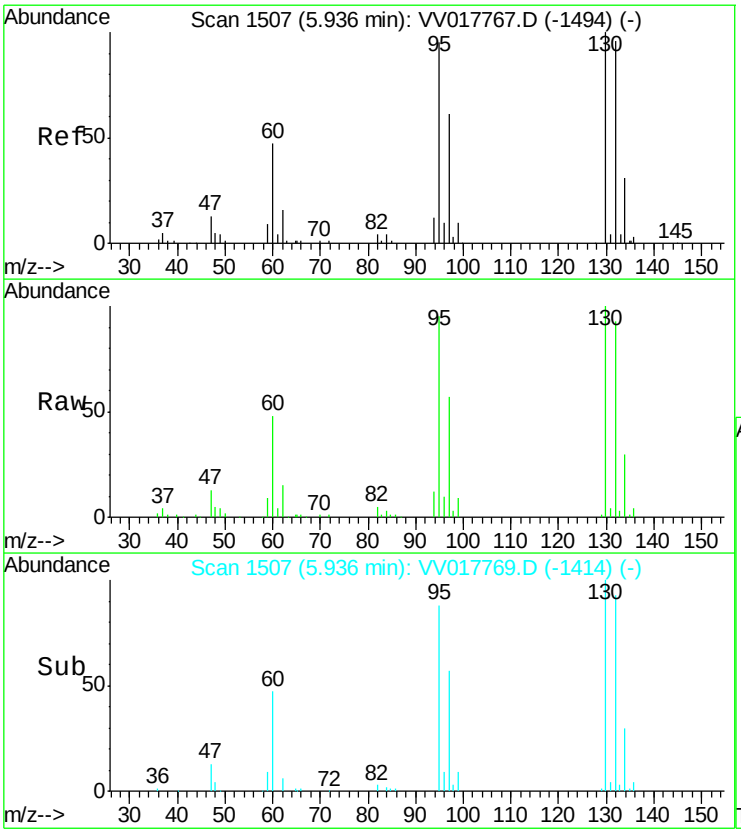
#30
Cyclohexane
Concen: 10.371 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 56 Resp: 158938

Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.4	38.2
84	99.1	73.0	109.4

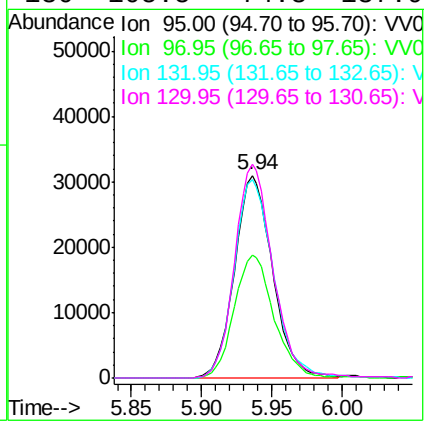


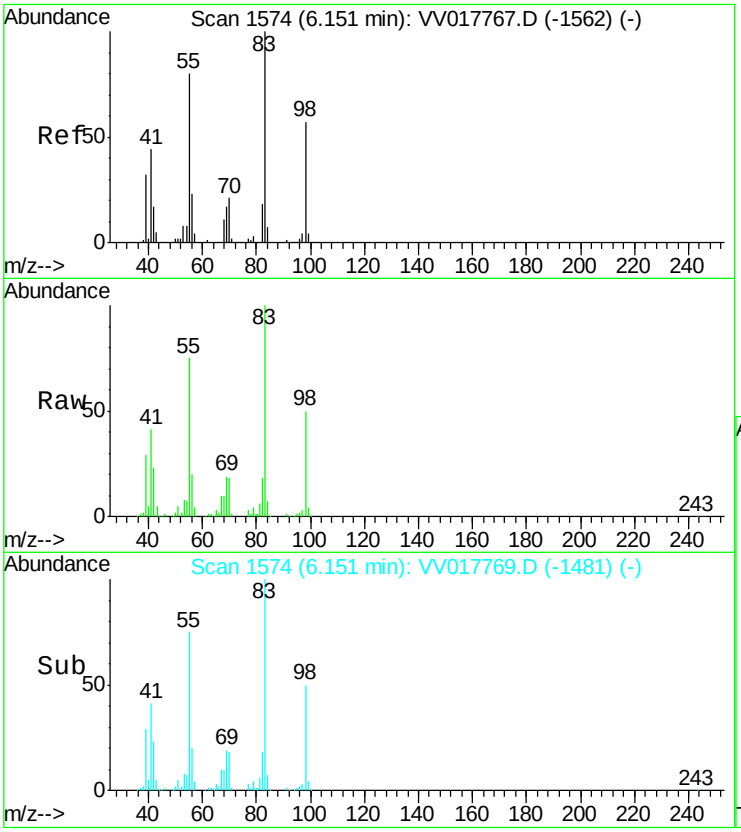


#34
Trichloroethene
Concen: 5.363 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 95 Resp: 58617

Ion	Ratio	Lower	Upper
95	100		
97	60.6	46.1	85.5
132	97.9	71.7	133.1
130	105.5	74.3	137.9



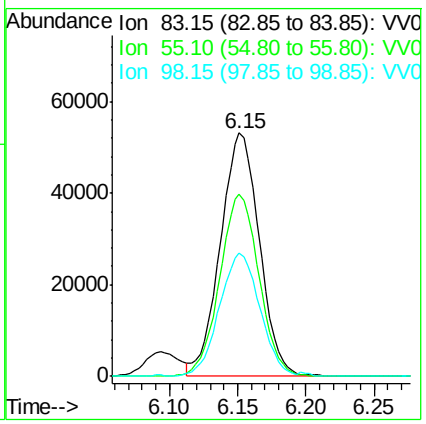


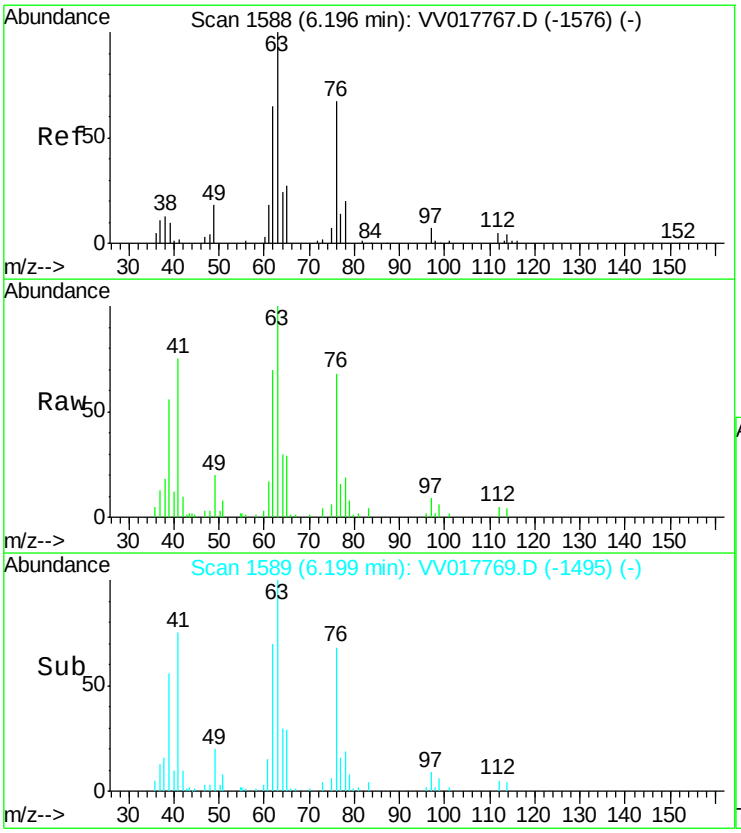
#35
Methylcyclohexane
Concen: 6.391 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 83 Resp: 105681

Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.8	92.8
98	51.7	39.0	58.6

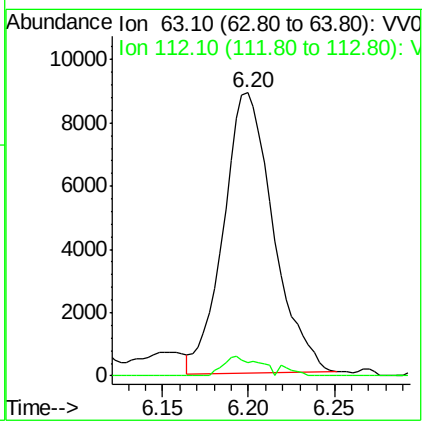


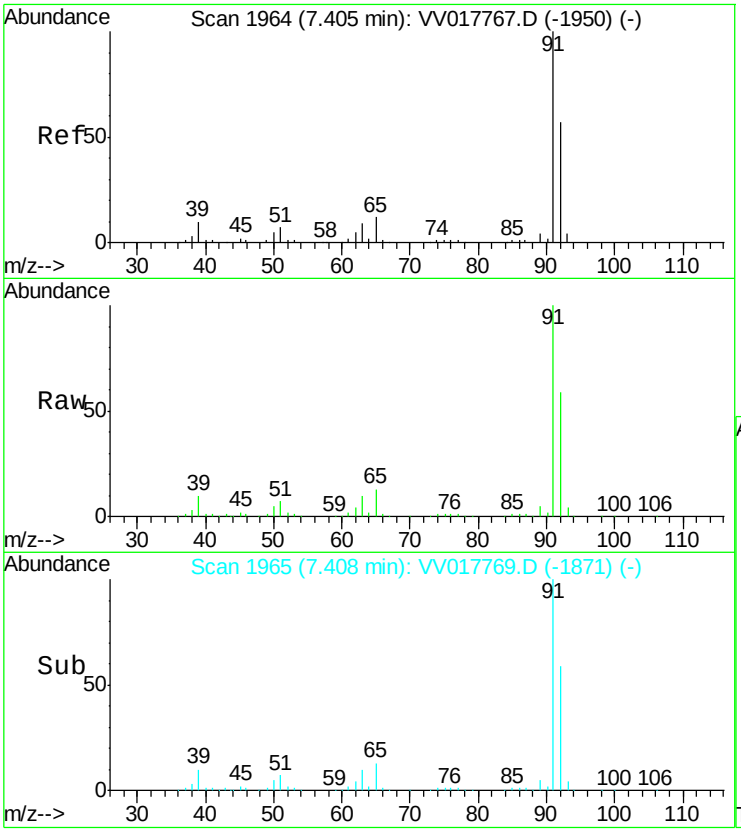


#37
1,2-Dichloropropane
Concen: 1.946 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 63 Resp: 17901

Ion	Ratio	Lower	Upper
63	100		
112	4.9	4.5	6.7



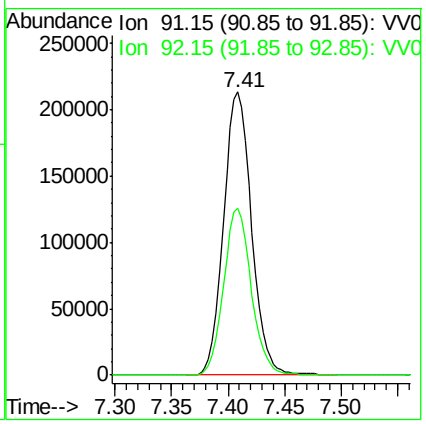


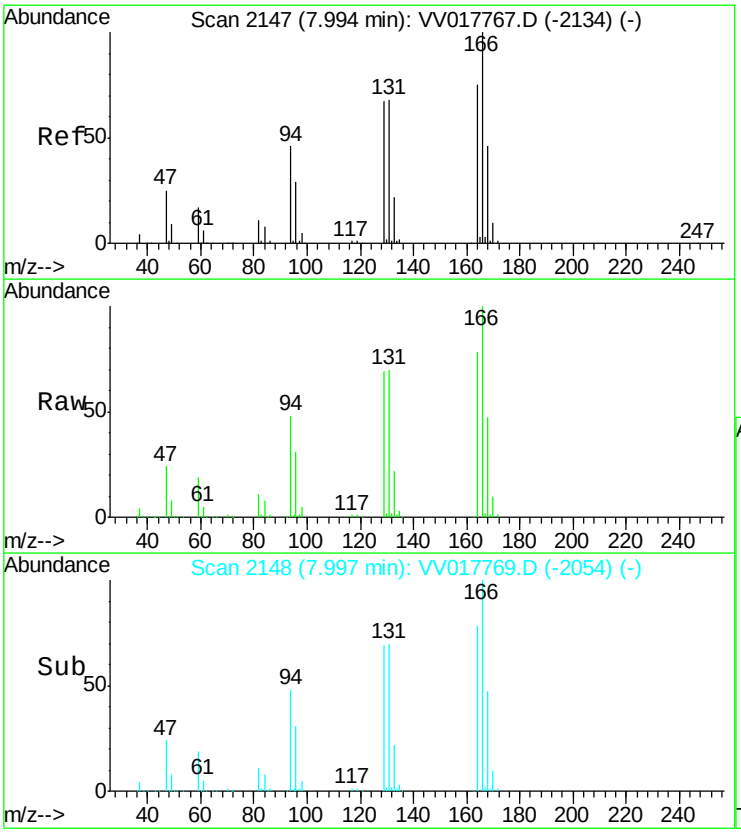
#42
Toluene
Concen: 8.598 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 91 Resp: 367052

Ion	Ratio	Lower	Upper
91	100		
92	59.1	40.8	75.8

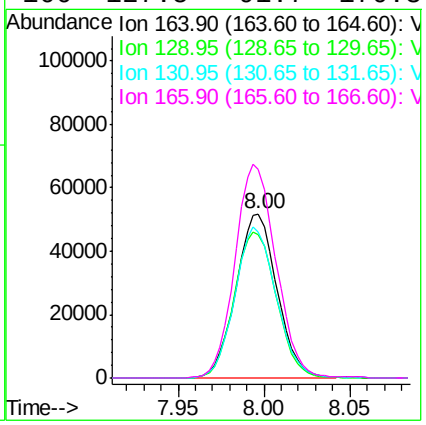


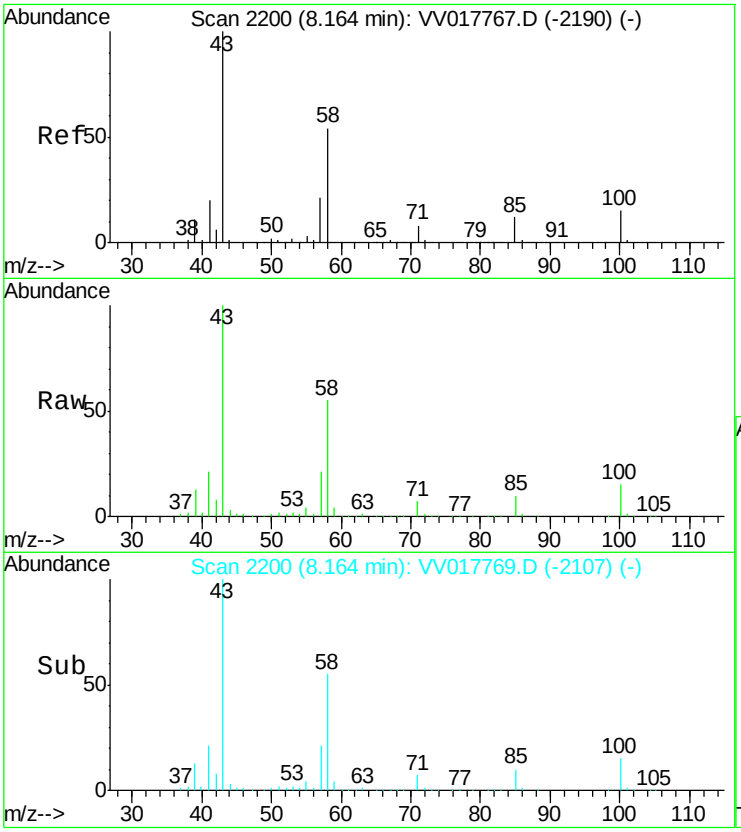


#49
Tetrachloroethene
Concen: 8.893 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion:164 Resp: 85706

Ion	Ratio	Lower	Upper
164	100		
129	87.8	65.0	120.8
131	89.2	63.6	118.2
166	127.5	91.7	170.3



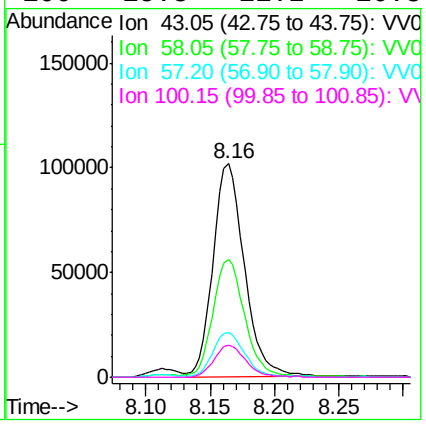


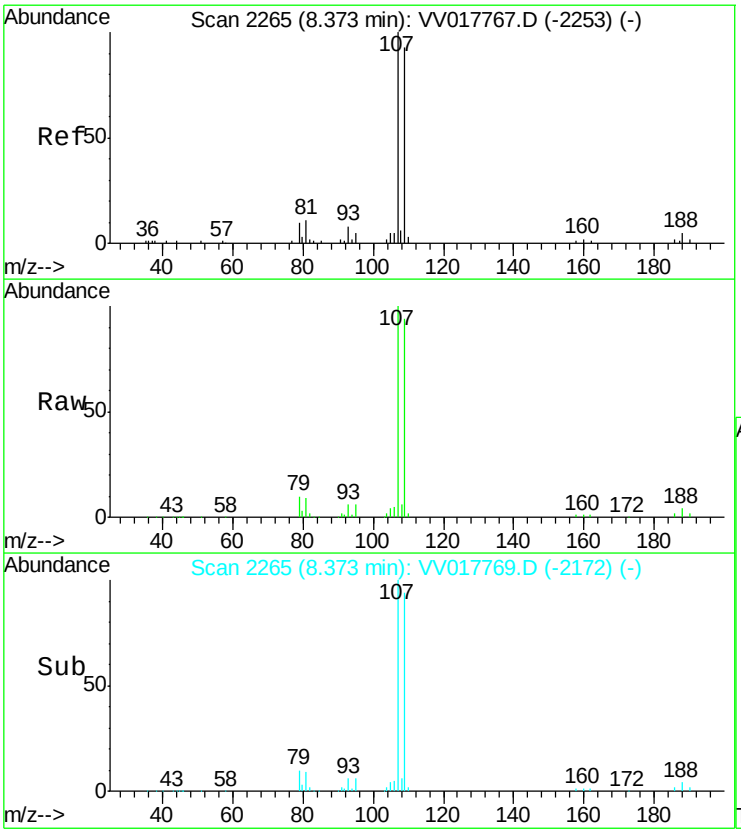
#50
2-Hexanone
Concen: 48.070 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion: 43 Resp: 171509

Ion	Ratio	Lower	Upper
43	100		
58	55.5	41.6	62.4
57	21.3	15.4	23.0
100	15.3	11.2	16.8

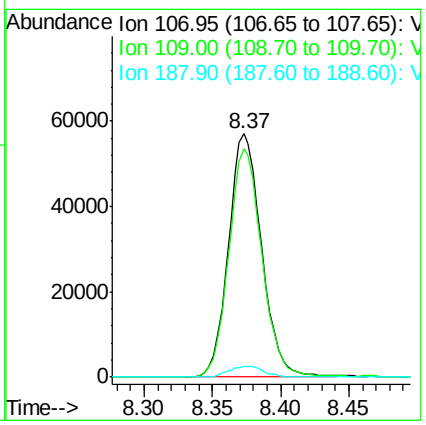


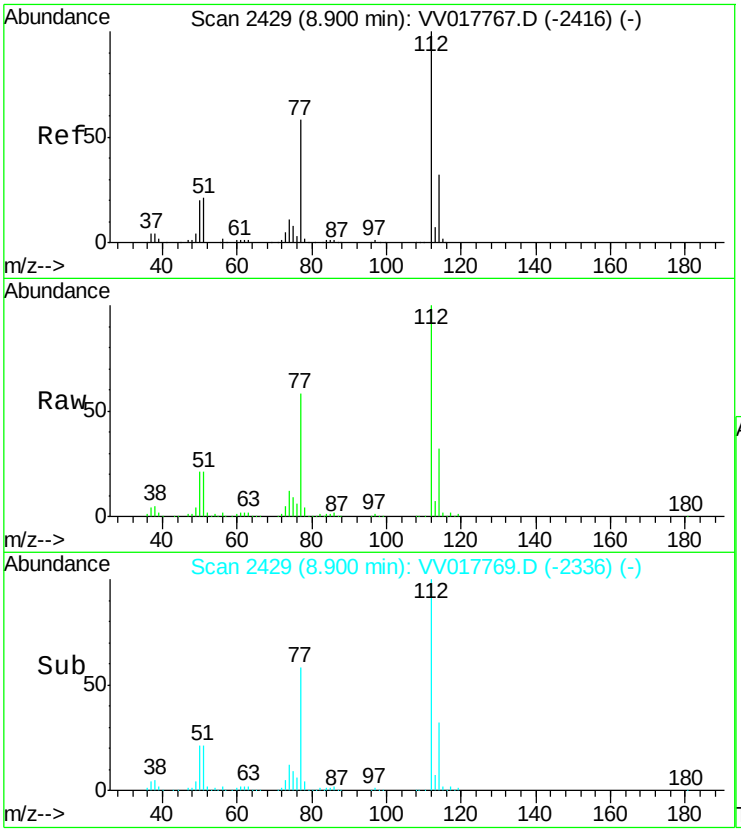


#52
1,2-Dibromoethane
Concen: 14.561 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion:107 Resp: 95841

Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.5	121.7
188	4.3	3.7	5.5



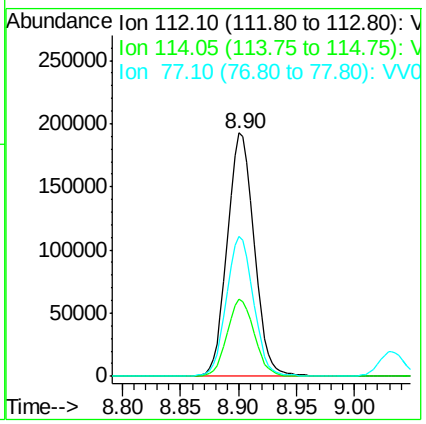


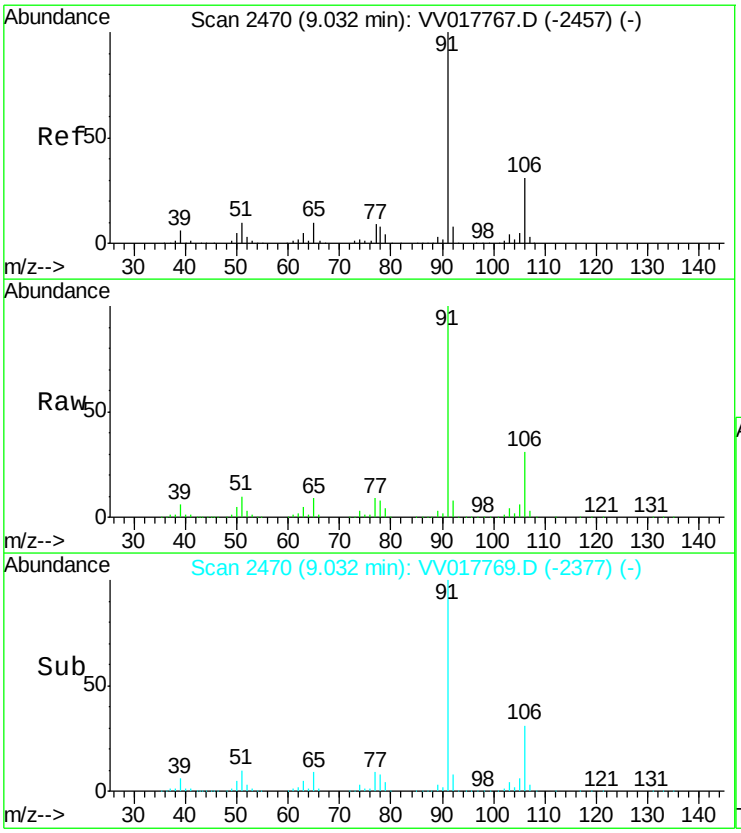
#53
Chlorobenzene
Concen: 10.843 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument : MSVOA_V
ClientSampleId : DBFG9

Tgt Ion:112 Resp: 308594

Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.2	43.2
77	57.6	45.6	68.4

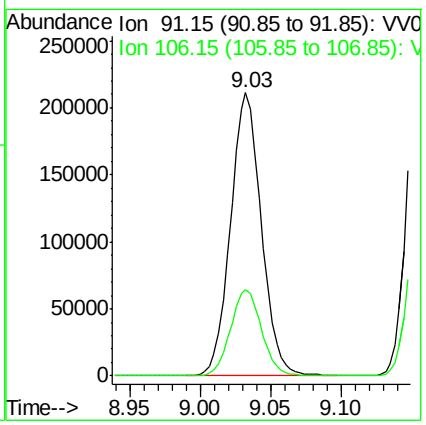


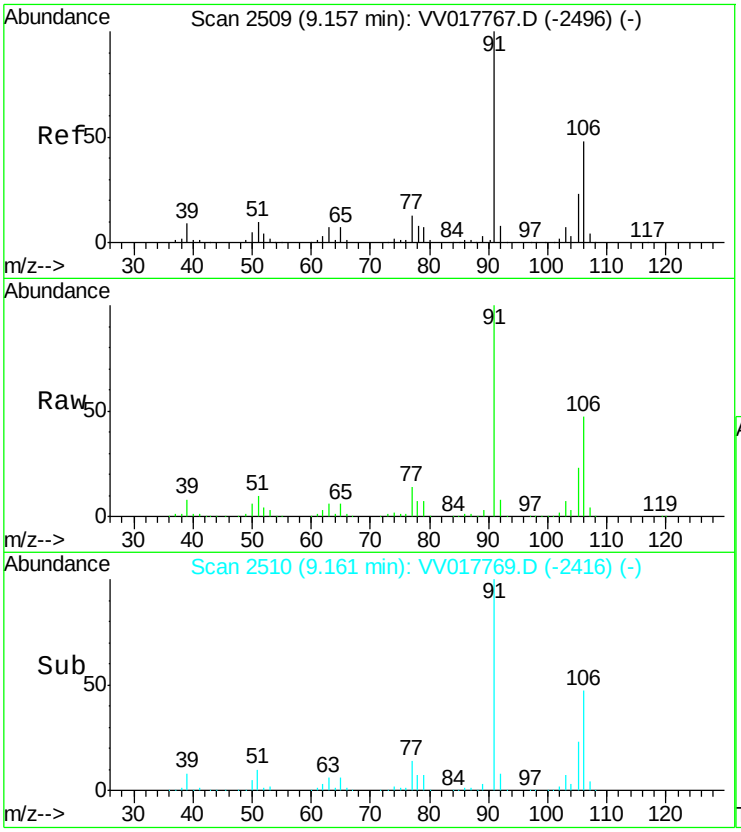


#54
Ethylbenzene
Concen: 6.757 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 91 Resp: 322949

Ion	Ratio	Lower	Upper
91	100		
106	30.6	21.6	40.2



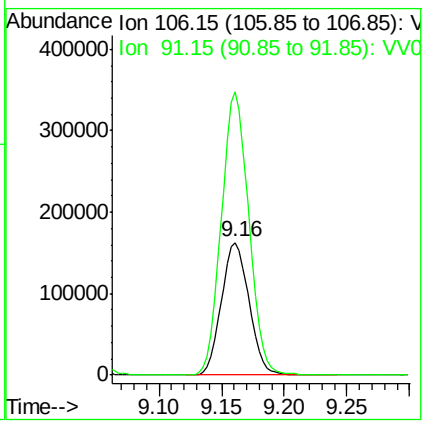


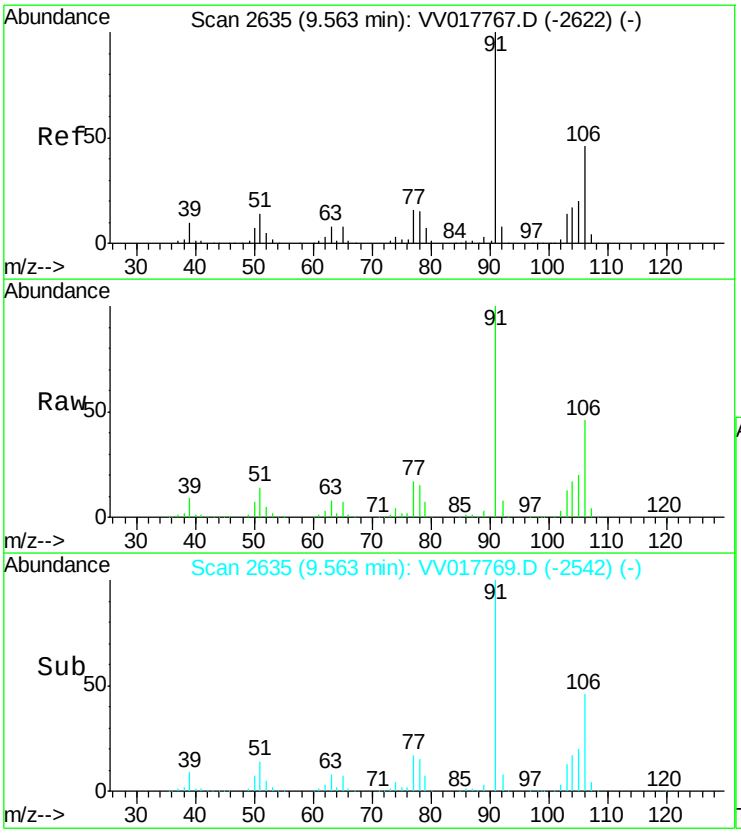
#55
m,p-xylene
Concen: 13.869 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion:106 Resp: 249655

Ion	Ratio	Lower	Upper
106	100		
91	213.6	141.3	262.3

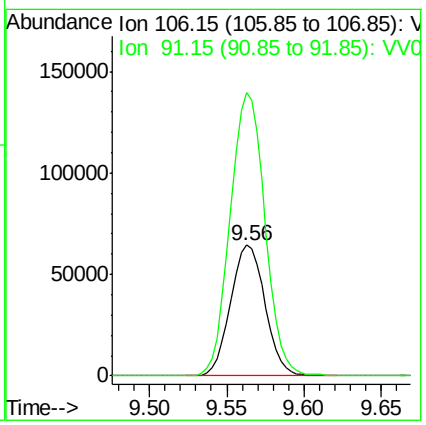


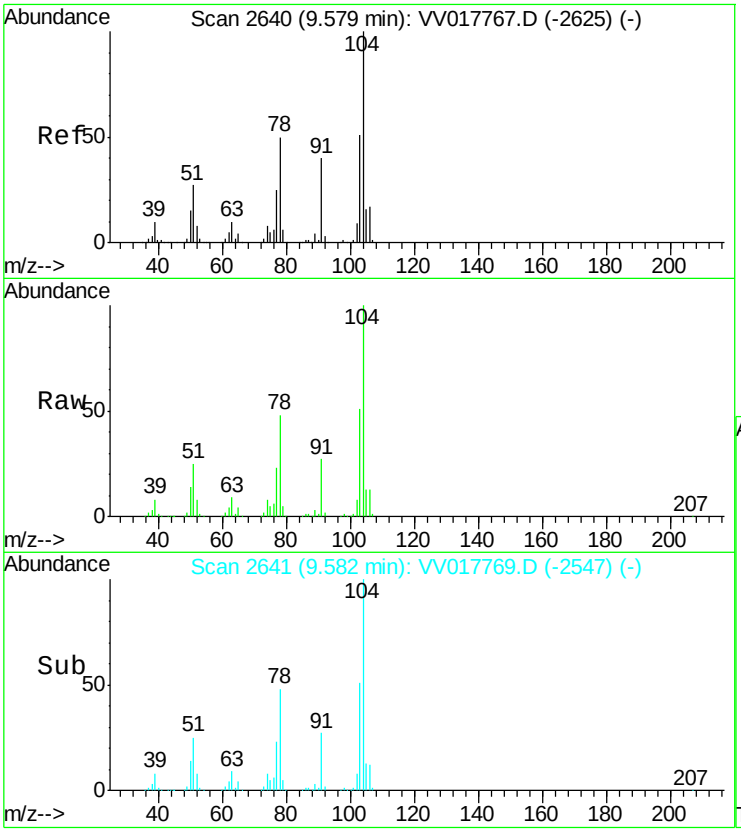


#56
o-xylene
Concen: 5.701 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion:106 Resp: 99587

Ion	Ratio	Lower	Upper
106	100		
91	216.1	153.9	285.7



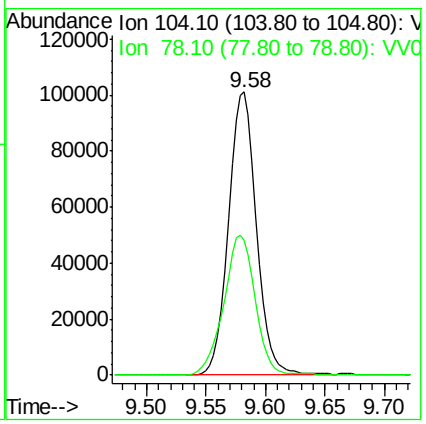


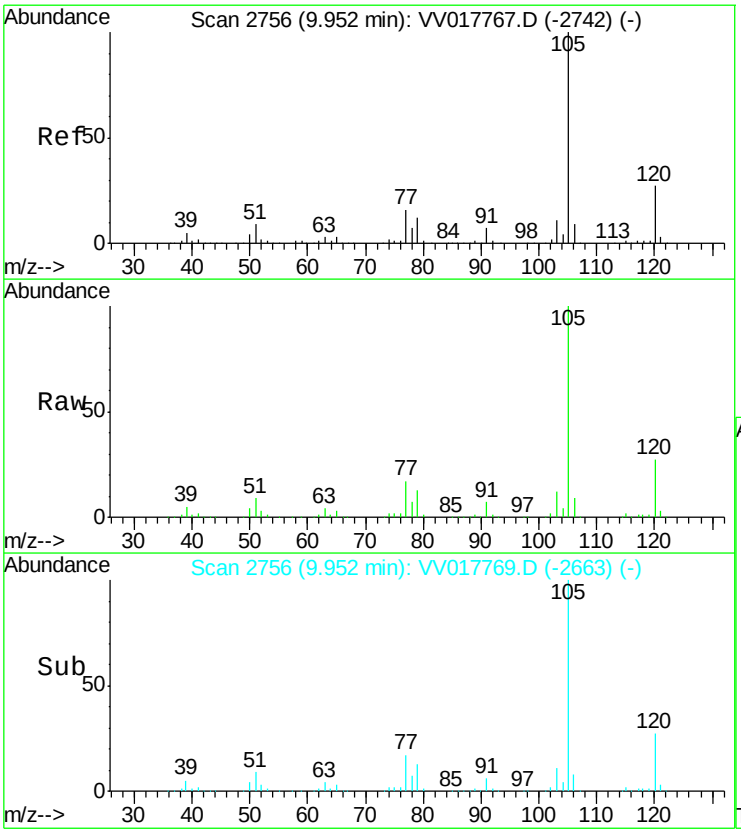
#57
Stvrene
Concen: 5.645 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion:104 Resp: 164536

Ion	Ratio	Lower	Upper
104	100		
78	47.6	34.0	63.2

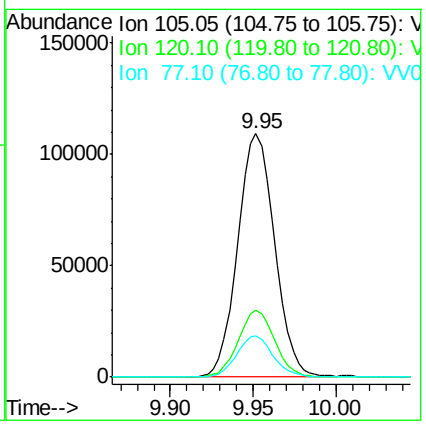


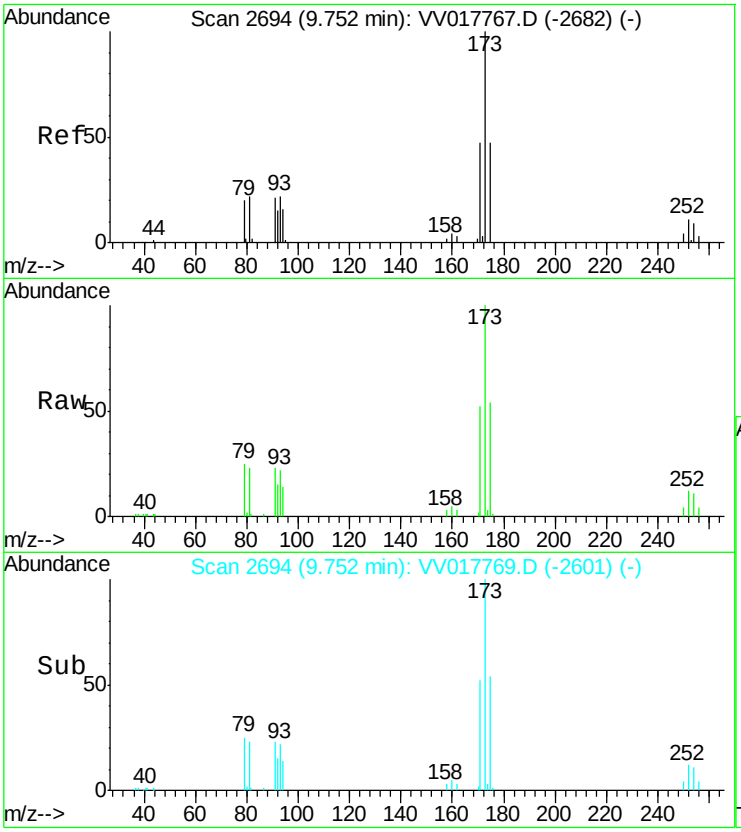


#58
Isopropylbenzene
Concen: 3.512 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion:105 Resp: 169244

Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.1	31.7
77	16.7	13.0	19.6



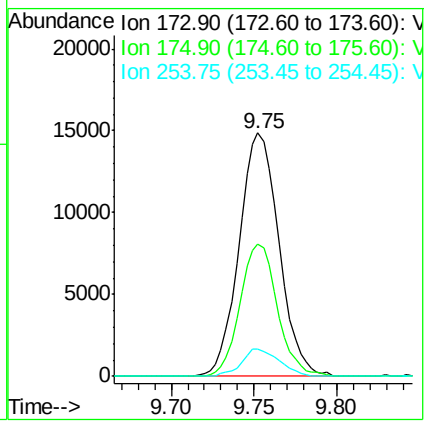


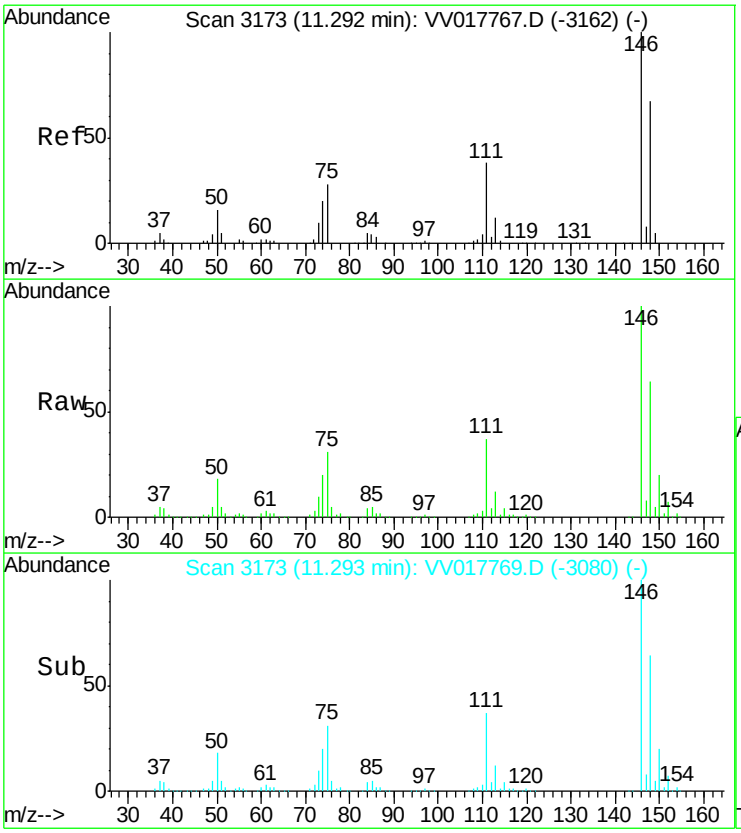
#62
Bromoform
Concen: 5.273 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument : MSVOA_V
ClientSampleId : DBFG9

Tgt Ion:173 Resp: 24844

Ion	Ratio	Lower	Upper
173	100		
175	51.1	39.6	59.4
254	10.7	8.4	12.6

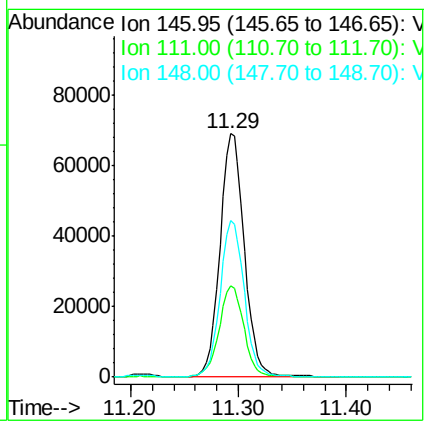


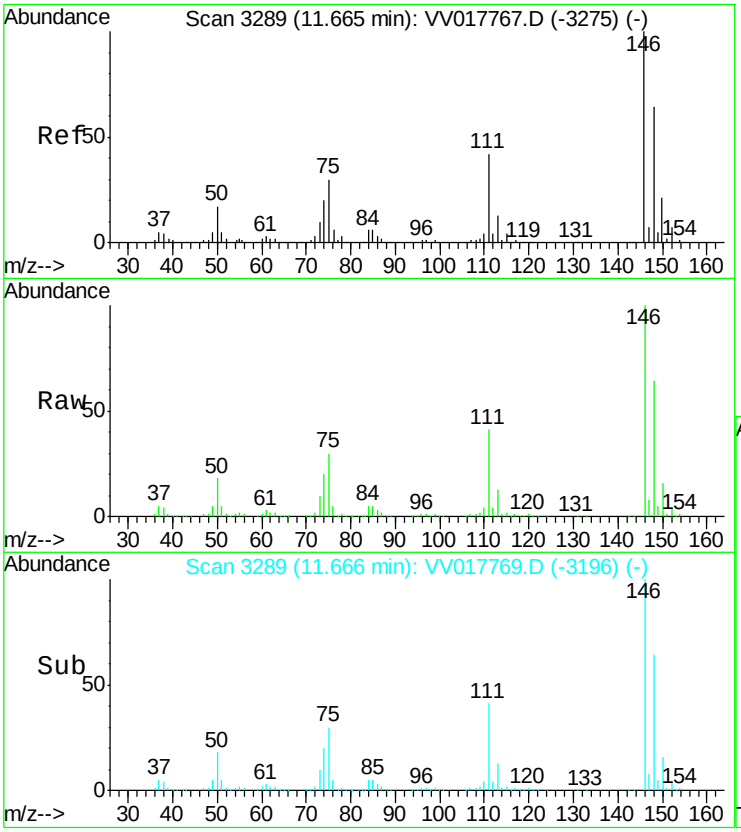


#64
1,4-Dichlorobenzene
Concen: 4.553 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion:146 Resp: 108278

Ion	Ratio	Lower	Upper
146	100		
111	37.4	27.4	51.0
148	64.1	43.8	81.4



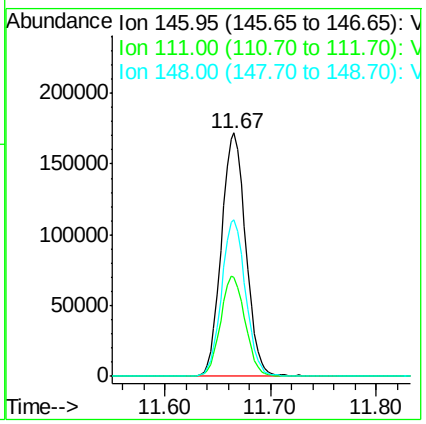


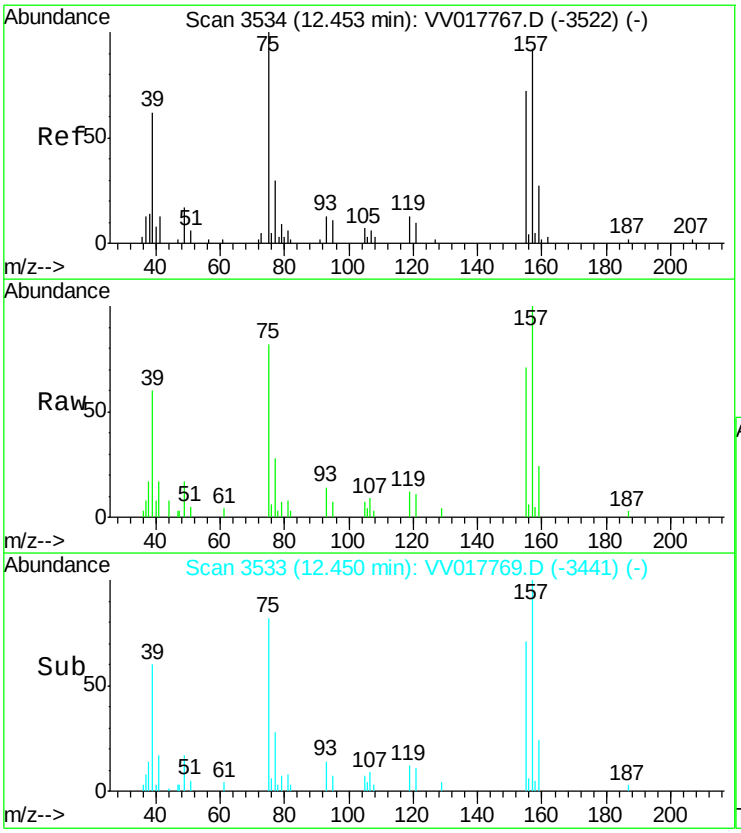
#66
1,2-Dichlorobenzene
Concen: 12.756 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion:146 Resp: 275395

Ion	Ratio	Lower	Upper
146	100		
111	40.6	33.0	49.4
148	64.3	49.9	74.9

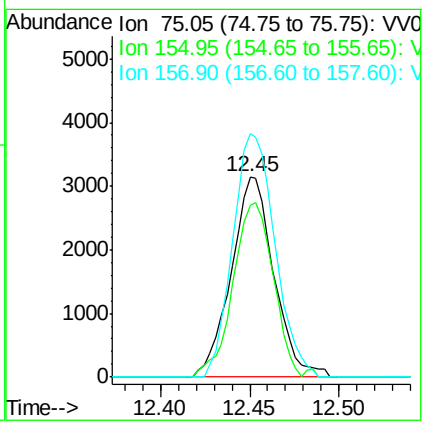


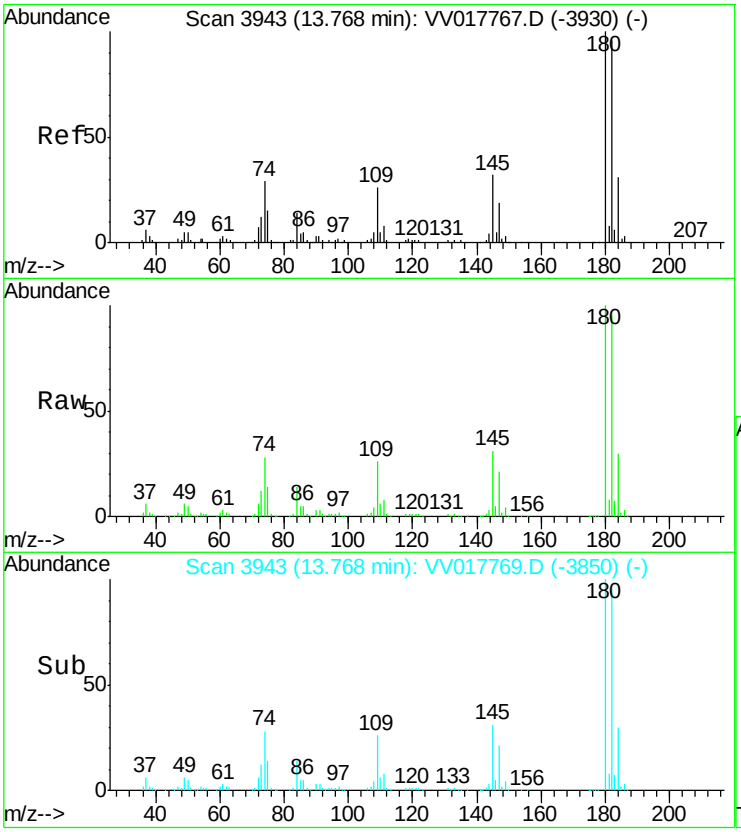


#67
1,2-Dibromo-3-chloropropane
Concen: 3.894 ug/L
RT: 12.45 min Scan# 3533
Delta R.T. -0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Tgt Ion: 75 Resp: 5257

Ion	Ratio	Lower	Upper
75	100		
155	86.0	68.7	103.1
157	121.6	87.8	131.8





#71
1,2,3-Trichlorobenzene
Concen: 10.724 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV017769.D
Acq: 31 Jul 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
DBFG9

Tgt Ion:180 Resp: 153034

Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.2	111.4
145	32.1	26.0	39.0