Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
Data File : VV017080.D
Acq On : 24 Jun 2020 18:41
Operator : SY/MD
Sample : L3105-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFXK7

Quant Time: Jun 25 01:20:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	177952	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.87	117	175242	5.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	83980	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.32	65	46504	4.35	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.00%				
7) Chloroethane-d5	1.58	69	32951	4.24	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 84.80%				
11) 1,1-Dichloroethene-d2	2.13	63	77771	3.83	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 76.60%				
20) 2-Butanone-d5	3.93	46	123304	45.30	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 90.60%				
24) Chloroform-d	4.38	84	100434	4.40	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.00%				
26) 1,2-Dichloroethane-d4	5.06	65	54611	4.51	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.20%				
32) Benzene-d6	5.08	84	192457	4.23	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.60%				
36) 1,2-Dichloropropane-d6	6.10	67	57831	4.25	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 85.00%				
41) Toluene-d8	7.34	98	171902	4.03	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.60%				
45) trans-1,3-Dichloropropene-	7.64	79	23120	4.08	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 81.60%				
48) 2-Hexanone-d5	8.11	63	88948	41.18	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 82.36%				
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40426	4.47	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.40%				
65) 1,2-Dichlorobenzene-d4	11.65	152	72337	4.66	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.20%				
Target Compounds							Qvalue
5) Vinyl chloride	1.32	62	1178032	100.884	ug/L		100
8) Chloroethane	1.32	64	375939	58.255	ug/L	#	43
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	660	0.070	ug/L	#	34
12) 1,1-Dichloroethene	2.14	96	28919	3.386	ug/L		88
15) Methyl Acetate	2.55	43	88479	26.301	ug/L	#	52
16) Methylene chloride	2.53	84	1048	0.115	ug/L	#	24
17) Methyl tert-butyl Ether	2.80	73	2778	0.130	ug/L	#	1
18) trans-1,2-Dichloroethene	2.78	96	21380	2.362	ug/L		97
19) 1,1-Dichloroethane	3.21	63	605222	29.763	ug/L		99
21) 2-Butanone	4.10	43	829966	319.978	ug/L	#	50
22) cis-1,2-Dichloroethene	3.94	96	642307	51.899	ug/L	#	98
25) Chloroform	4.40	83	22568	1.016	ug/L		96
27) 1,2-Dichloroethane	5.16	62	22062	1.599	ug/L	#	95
29) 1,1,1-Trichloroethane	4.64	97	161396	7.687	ug/L		97
30) Cyclohexane	4.70	56	71483	3.578	ug/L		99
31) Carbon tetrachloride	4.64	117	20684	1.092	ug/L		99
33) Benzene	5.13	78	139194	3.033	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
Data File : VV017080.D
Acq On : 24 Jun 2020 18:41
Operator : SY/MD
Sample : L3105-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFXK7

Quant Time: Jun 25 01:20:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
34) Trichloroethene	5.94	95	14455	1.076 ug/L	92
35) Methylcyclohexane	6.10	83	15334	0.734 ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	2331	0.138 ug/L #	78
42) Toluene	7.42	91	4207	0.079 ug/L	93
43) 1,3,5-Trimethylbenzene	11.36	105	60334	1.264 ug/L	92
44) 1,2,4-Trimethylbenzene	11.36	105	60334	1.242 ug/L	97
47) 1,1,2-Trichloroethane	7.87	97	20617	2.559 ug/L	96
50) 2-Hexanone	8.11	43	12305	2.636 ug/L #	42
53) Chlorobenzene	8.90	112	470292	14.139 ug/L	98
56) o-xylene	9.57	106	44717	2.145 ug/L	99
57) Styrene	9.56	104	2793	0.081 ug/L #	1
58) Isopropylbenzene	9.95	105	25503	0.445 ug/L	98
63) 1,3-Dichlorobenzene	11.21	146	32908	1.302 ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	66975	2.606 ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	30745	1.340 ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	5630	0.337 ug/L	94
70) Naphthalene	13.53	128	30615	1.297 ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	2074	0.152 ug/L	95

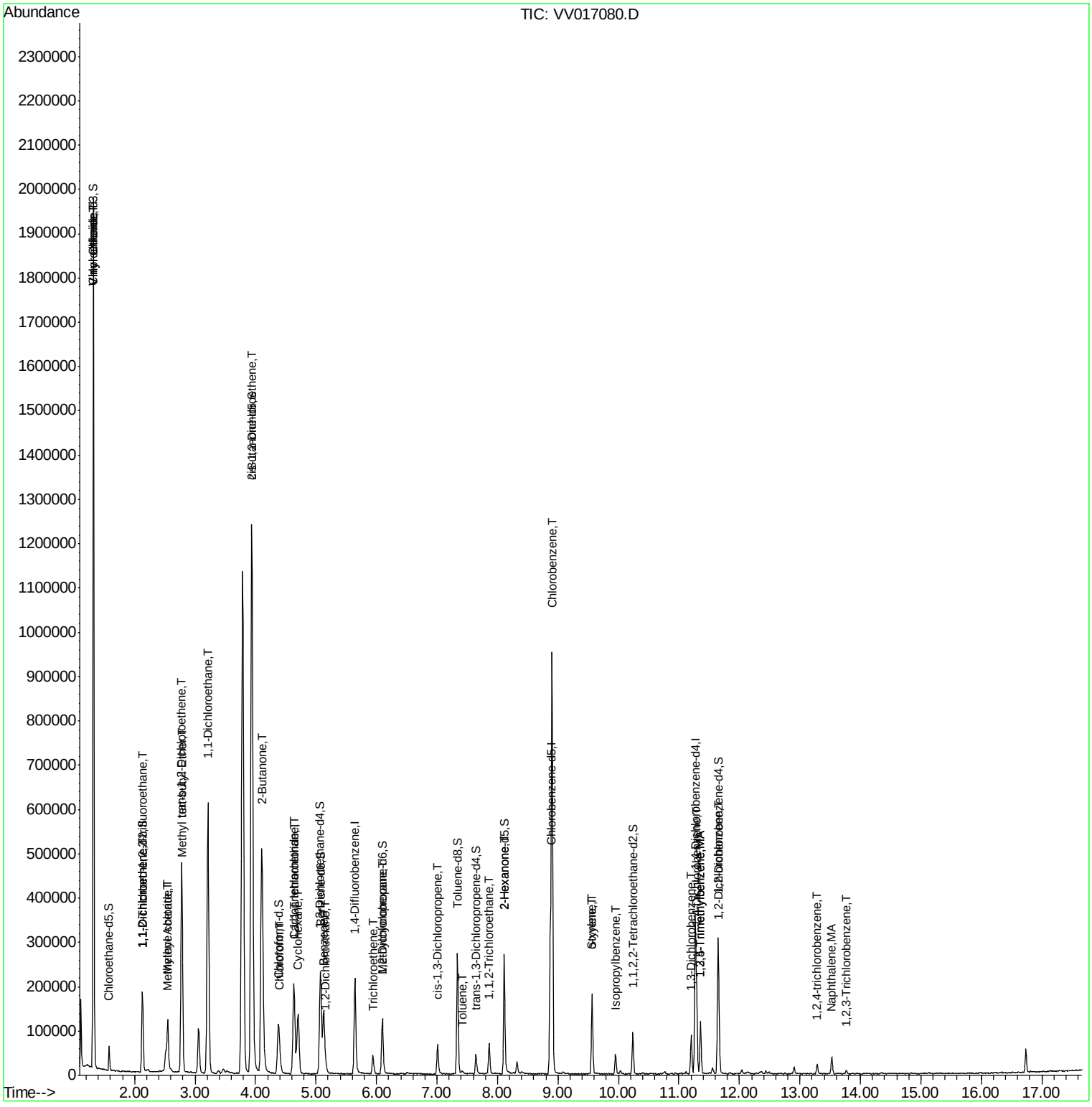
(#) = qualifier out of range (m) = manual integration (+) = signals summed

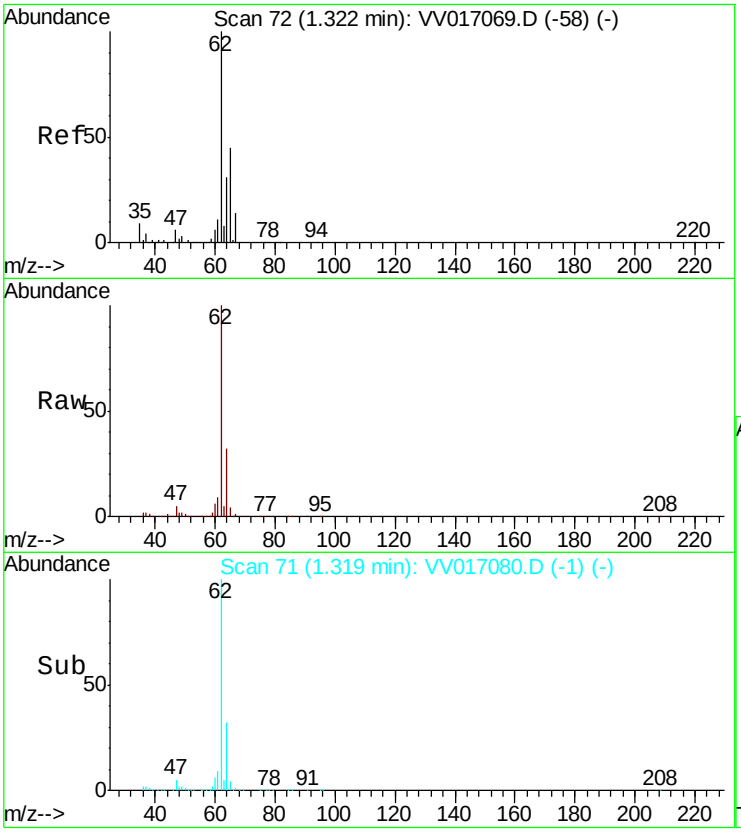
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
Data File : VV017080.D
Acq On : 24 Jun 2020 18:41
Operator : SY/MD
Sample : L3105-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Quant Time: Jun 25 01:20:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration



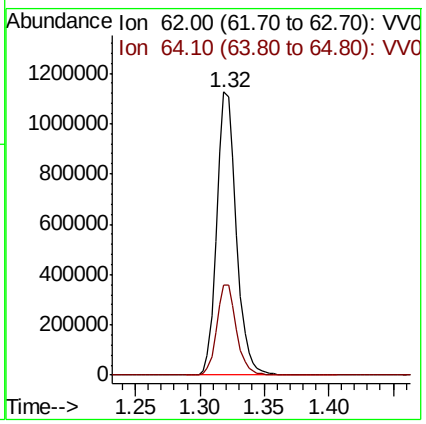


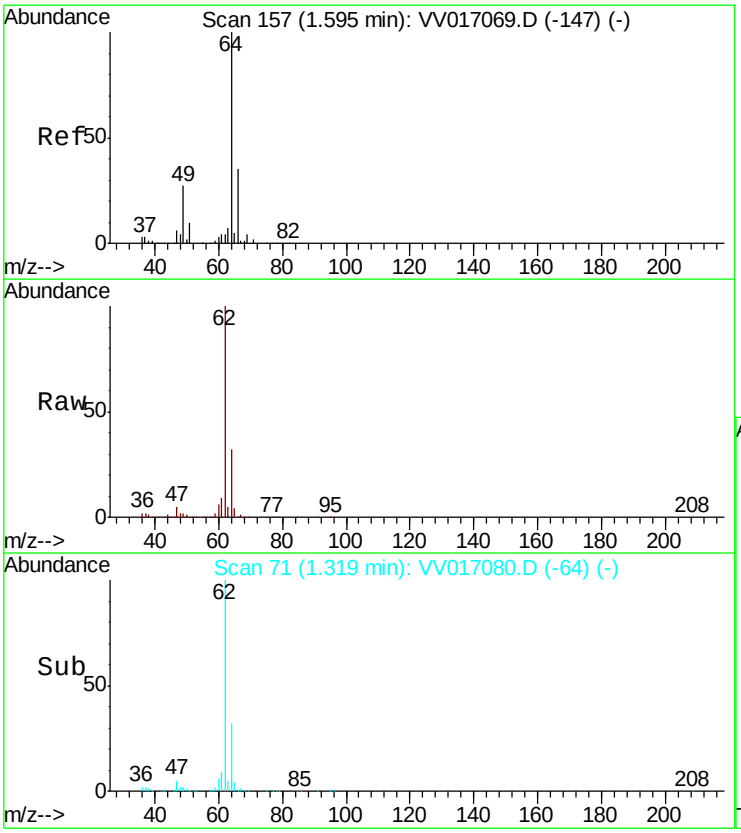
#5
Vinyl chloride
Concen: 100.884 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 62 Resp: 1178032

Ion	Ratio	Lower	Upper
62	100		
64	32.0	22.5	41.7

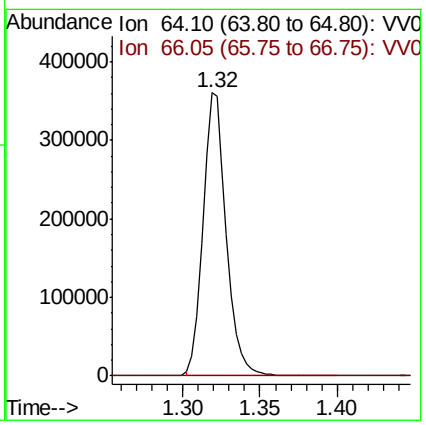


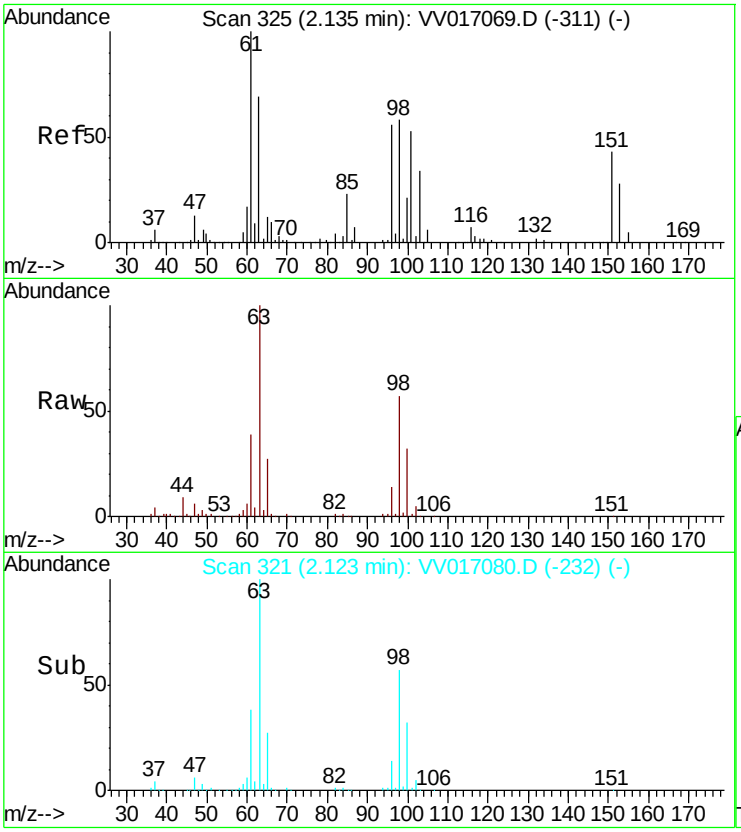


#8
Chloroethane
Concen: 58.255 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.28 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 64 Resp: 375939

Ion	Ratio	Lower	Upper
64	100		
66	0.3	22.8	42.4#



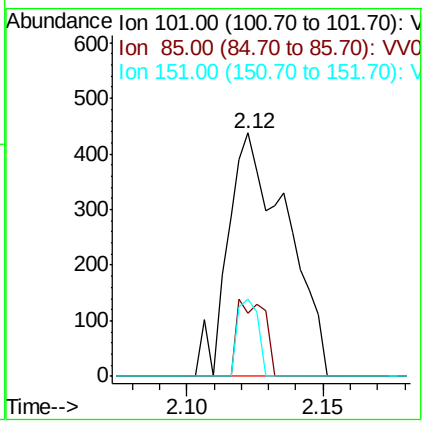


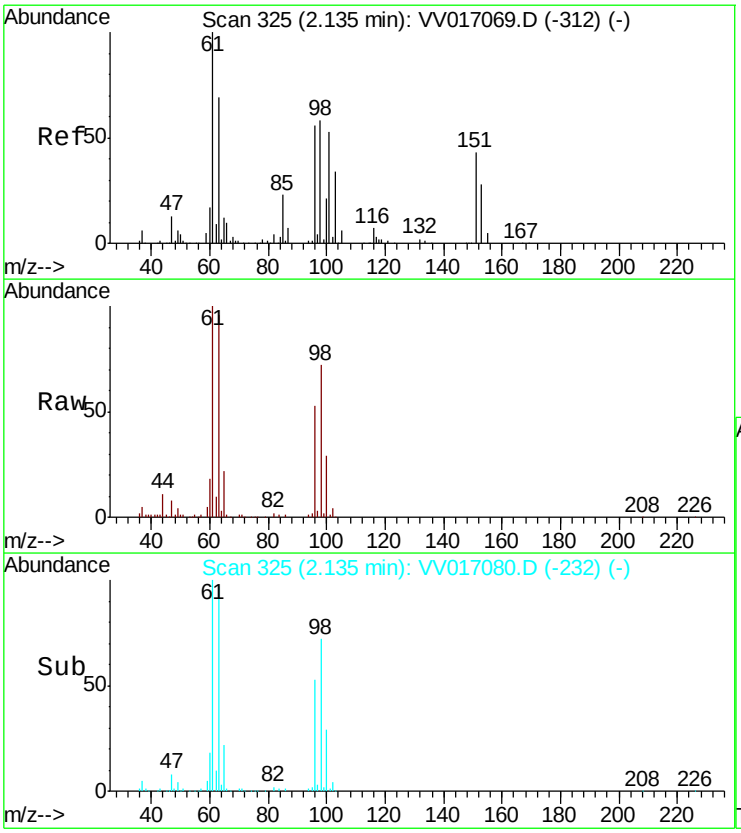
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.070 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion:101 Resp: 660

Ion	Ratio	Lower	Upper
101	100		
85	14.7	35.4	53.2#
151	11.1	63.9	95.9#

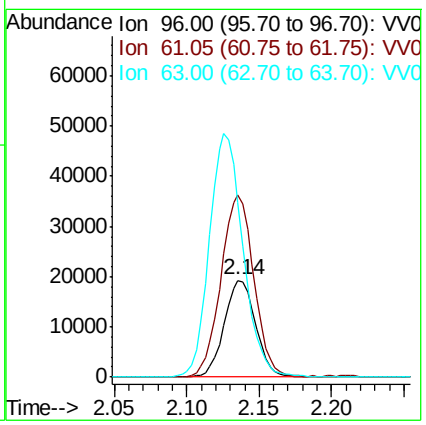


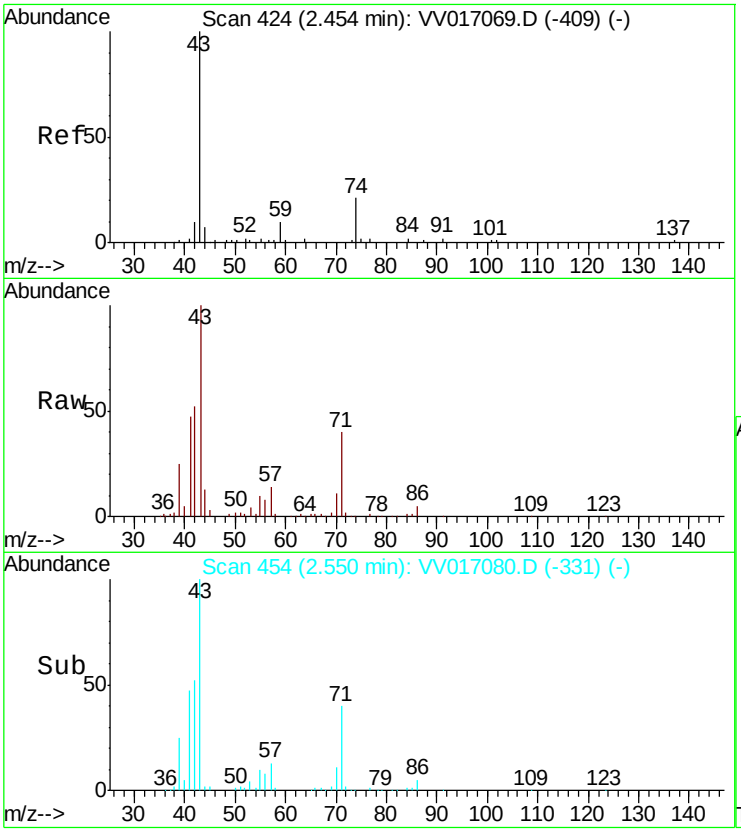


#12
1,1-Dichloroethene
Concen: 3.386 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 96 Resp: 28919

Ion	Ratio	Lower	Upper
96	100		
61	187.6	125.0	232.2
63	180.7	109.8	203.8



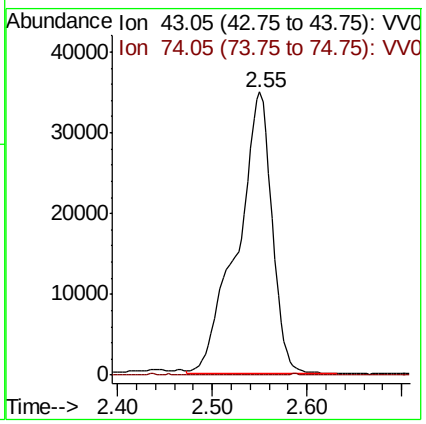


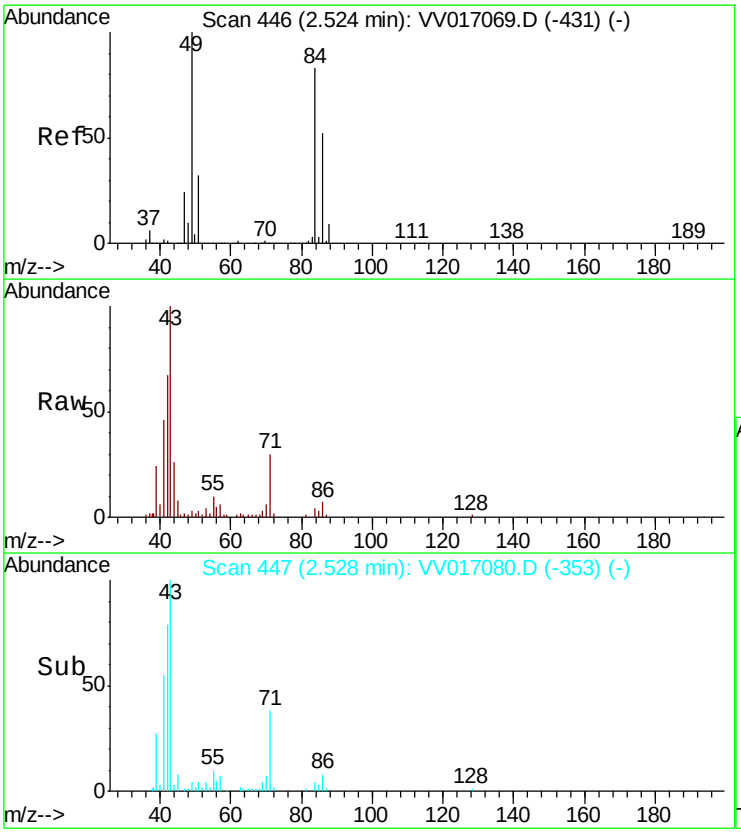
#15
Methyl Acetate
Concen: 26.301 ug/L
RT: 2.55 min Scan# 454
Delta R.T. 0.10 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion: 43 Resp: 88479

Ion	Ratio	Lower	Upper
43	100		
74	0.1	19.1	28.7#

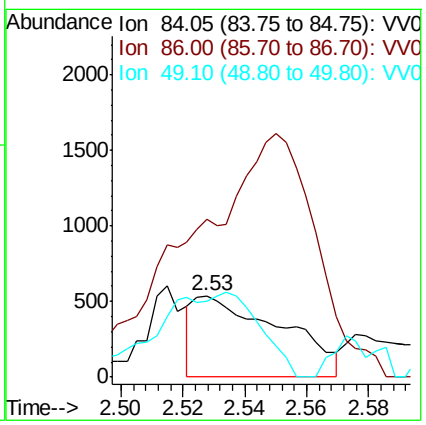


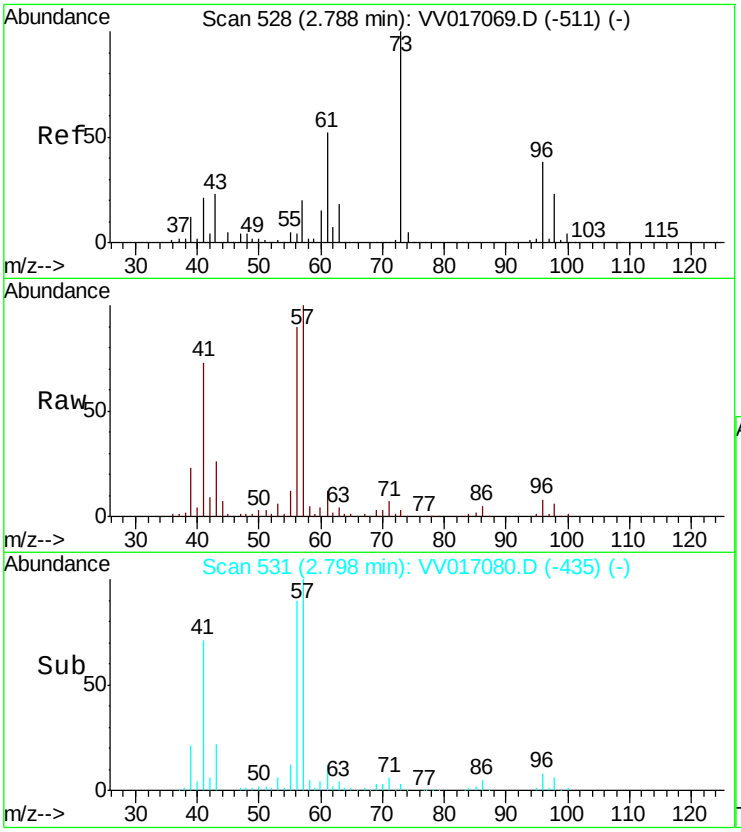


#16
Methylene chloride
Concen: 0.115 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 84 Resp: 1048

Ion	Ratio	Lower	Upper
84	100		
86	195.2	45.8	85.0#
49	92.9	89.6	166.4



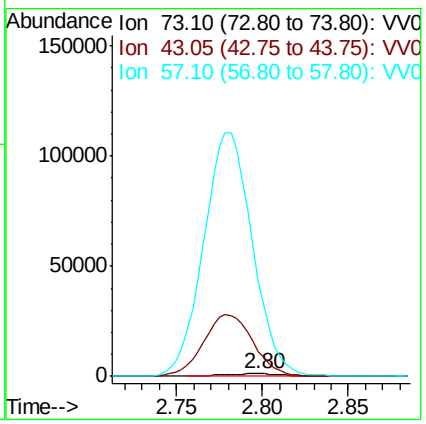


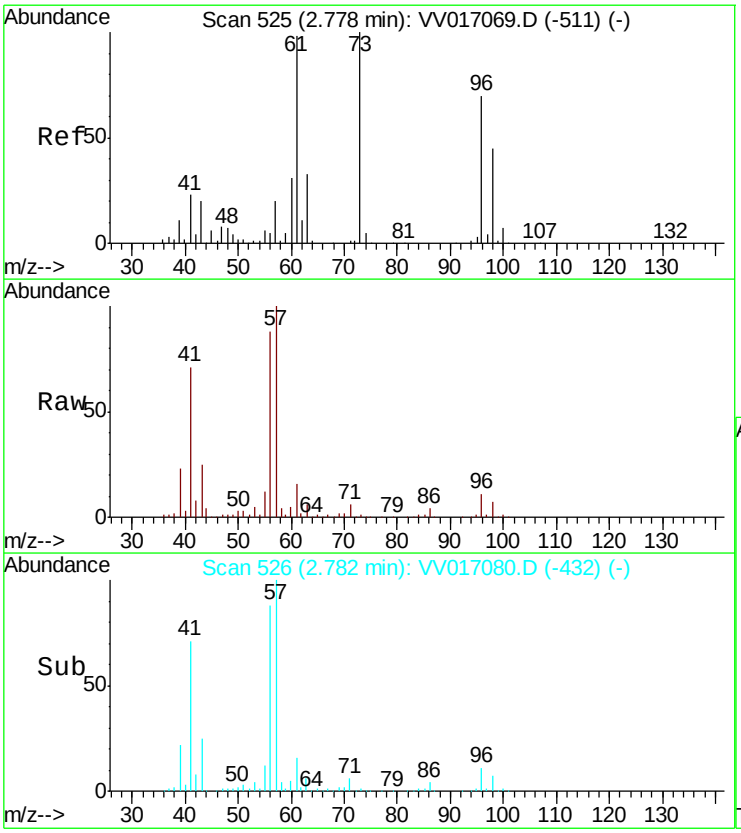
#17
Methyl tert-butyl Ether
Concen: 0.130 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.01 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion: 73 Resp: 2778

Ion	Ratio	Lower	Upper
73	100		
43	2074.7	18.6	28.0#
57	7915.7	16.4	24.6#

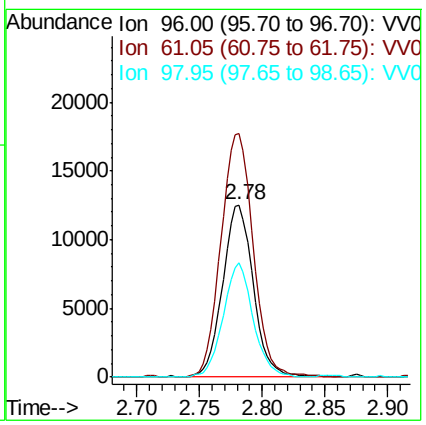


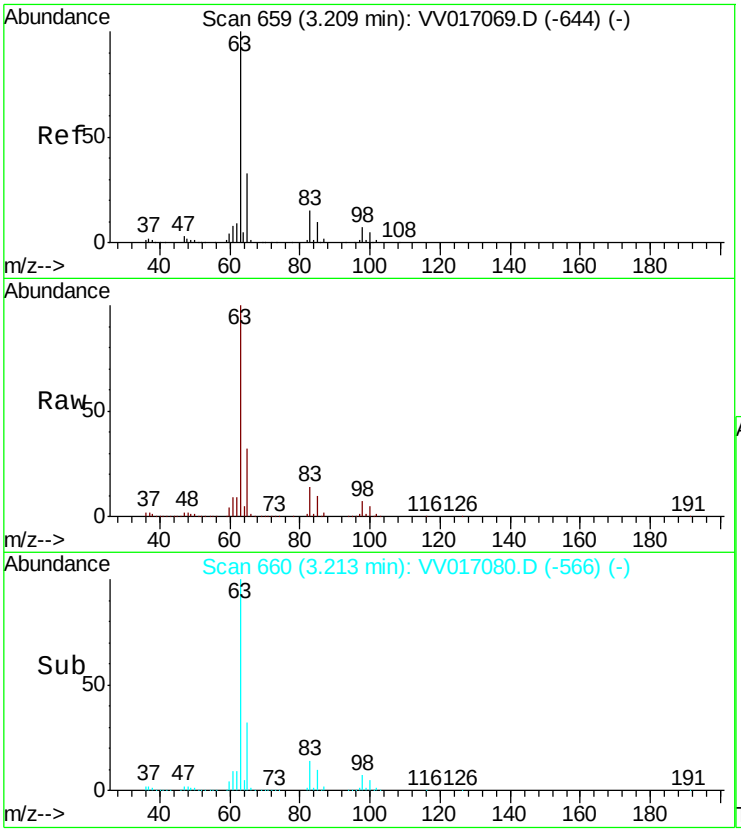


#18
trans-1,2-Dichloroethene
Concen: 2.362 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 96 Resp: 21380

Ion	Ratio	Lower	Upper
96	100		
61	141.6	102.3	189.9
98	66.2	44.7	82.9



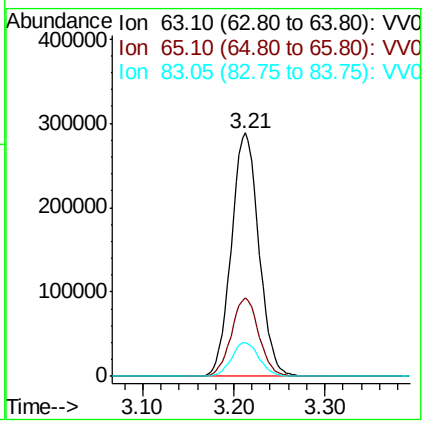


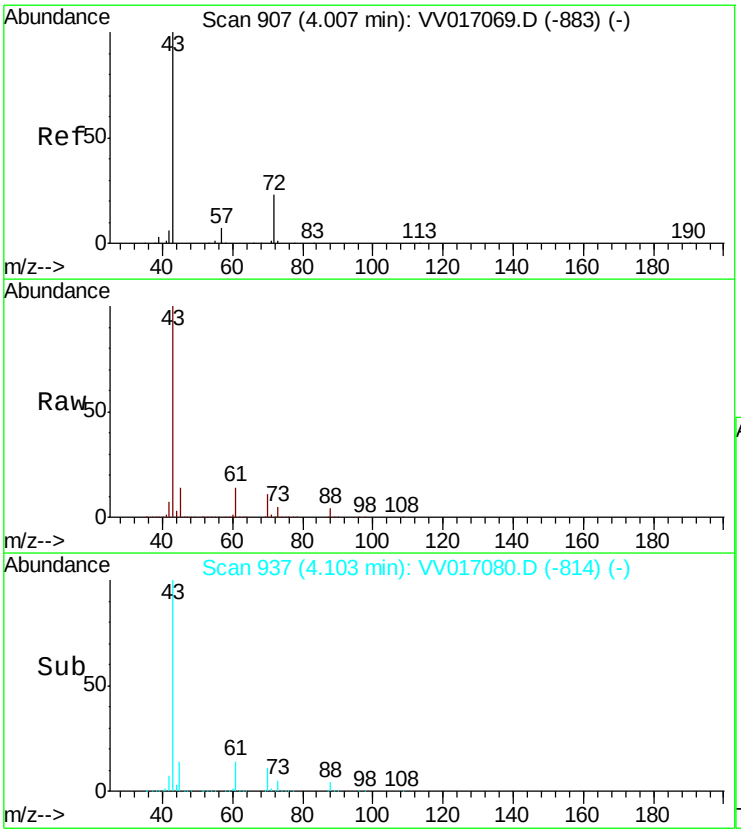
#19
1,1-Dichloroethane
Concen: 29.763 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 63 Resp: 605222

Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.8	40.4
83	13.8	9.7	17.9

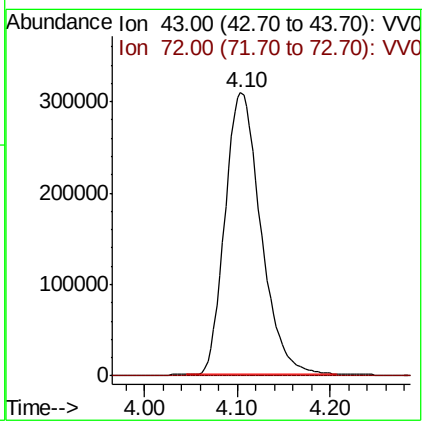


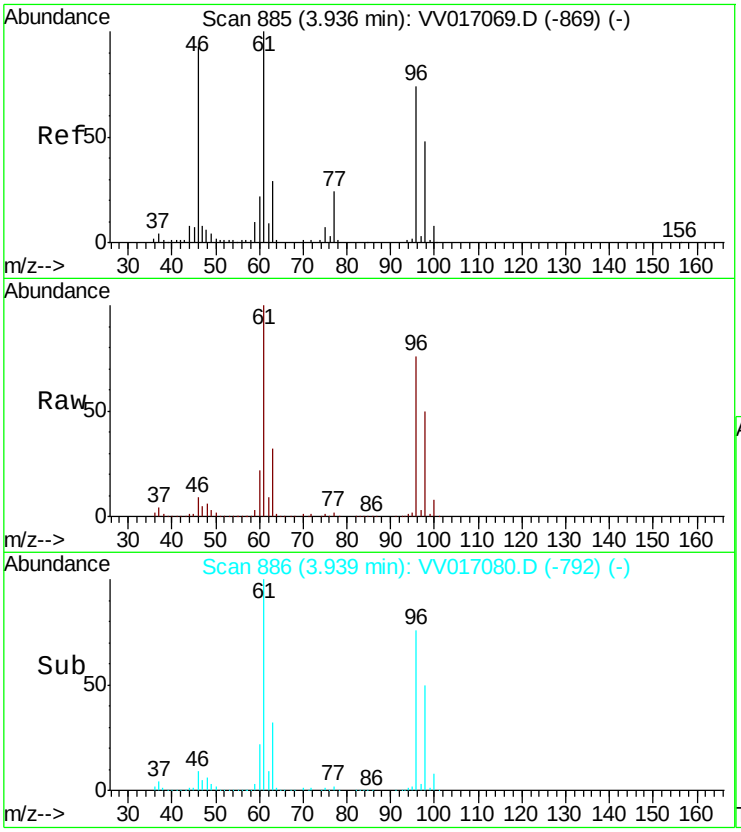


#21
2-Butanone
Concen: 319.978 ug/L
RT: 4.10 min Scan# 937
Delta R.T. 0.10 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 43 Resp: 829966

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.4	37.4#



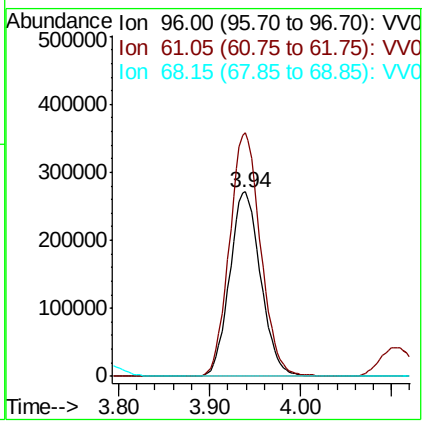


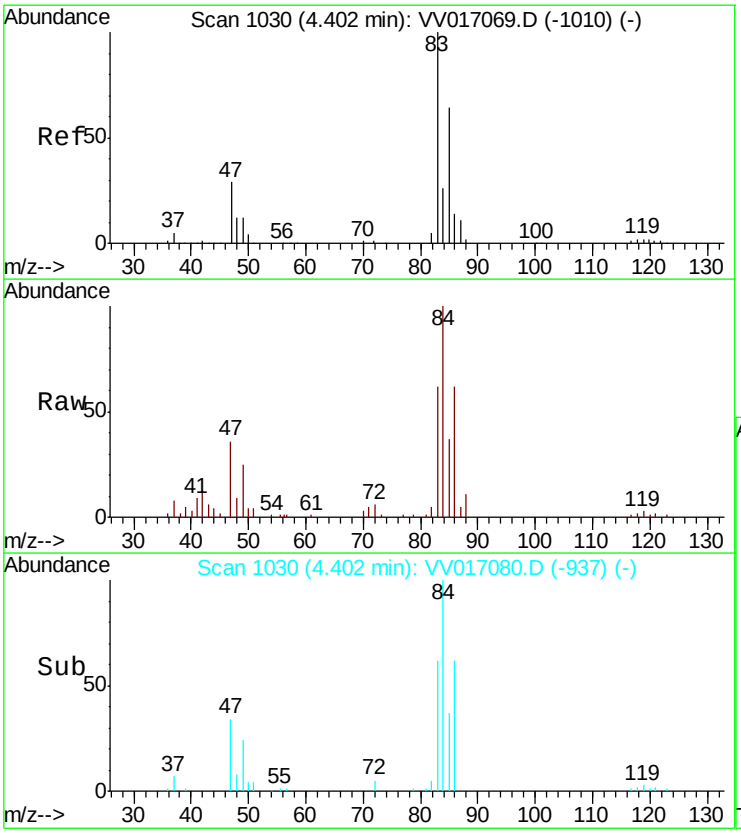
#22
cis-1,2-Dichloroethene
Concen: 51.899 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 96 Resp: 642307

Ion	Ratio	Lower	Upper
96	100		
61	131.8	91.0	169.0
68	0.0	0.0	0.0#

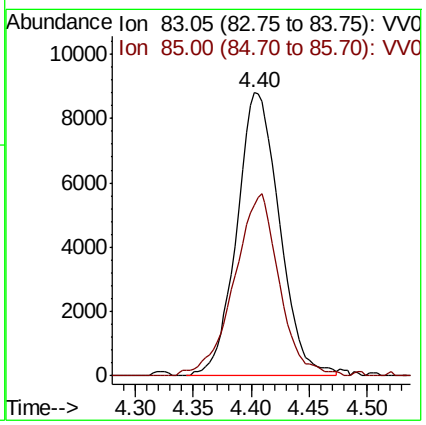


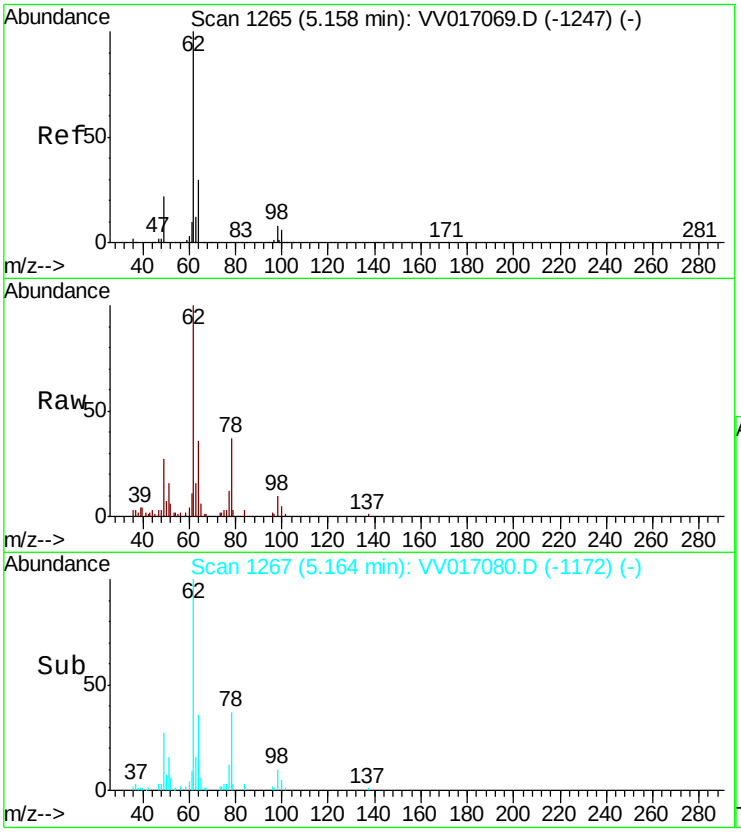


#25
Chloroform
Concen: 1.016 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 83 Resp: 22568

Ion	Ratio	Lower	Upper
83	100		
85	60.1	44.2	82.2



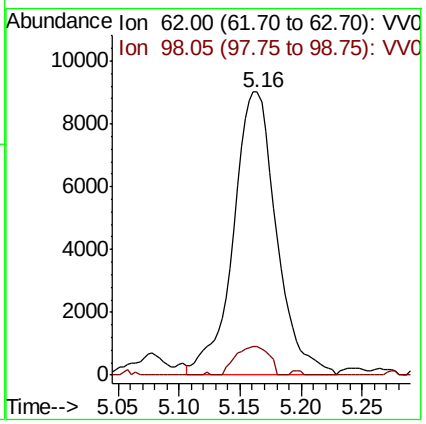


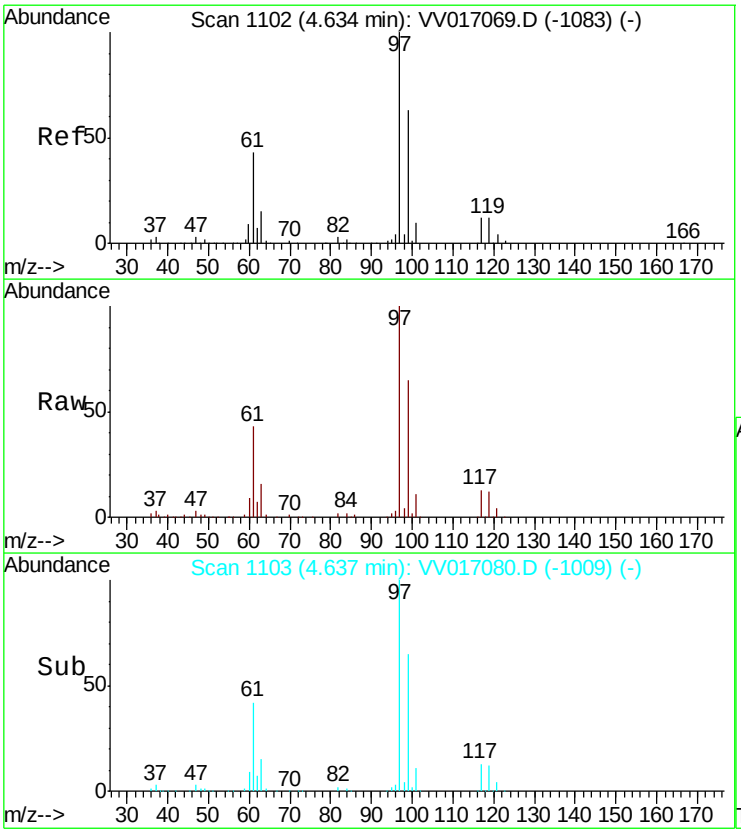
#27
1,2-Dichloroethane
Concen: 1.599 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion: 62 Resp: 22062

Ion	Ratio	Lower	Upper
62	100		
98	10.1	6.7	10.1#

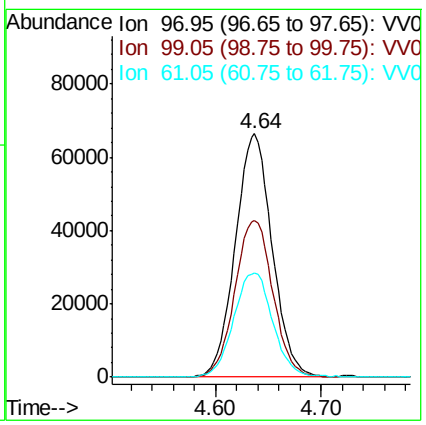


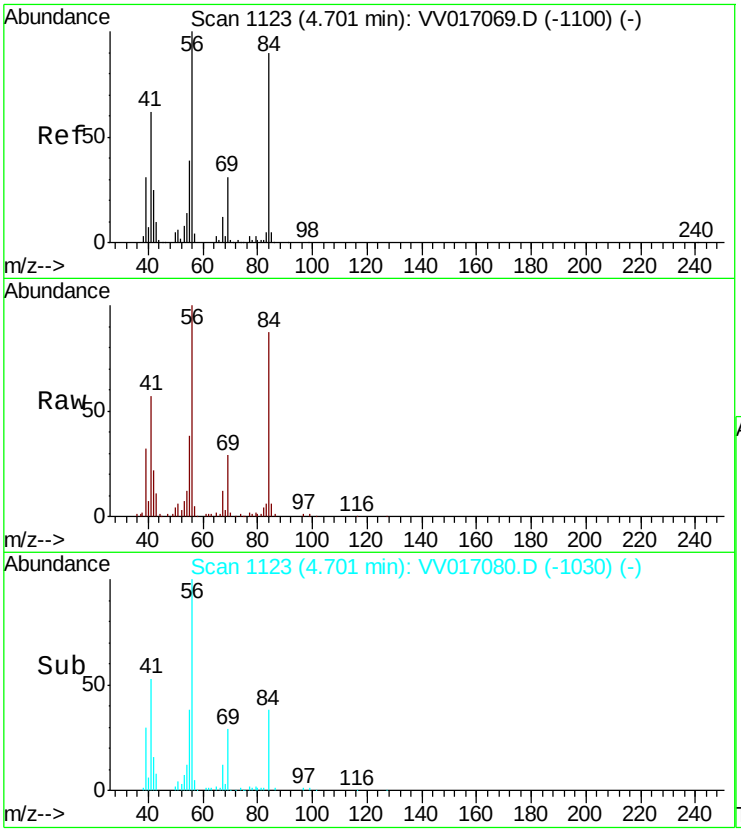


#29
1,1,1-Trichloroethane
Concen: 7.687 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 97 Resp: 161396

Ion	Ratio	Lower	Upper
97	100		
99	66.6	50.3	75.5
61	44.7	36.0	54.0



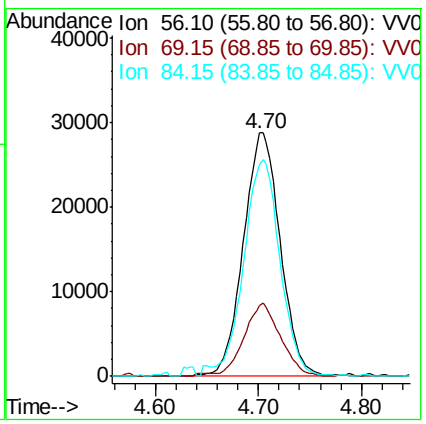


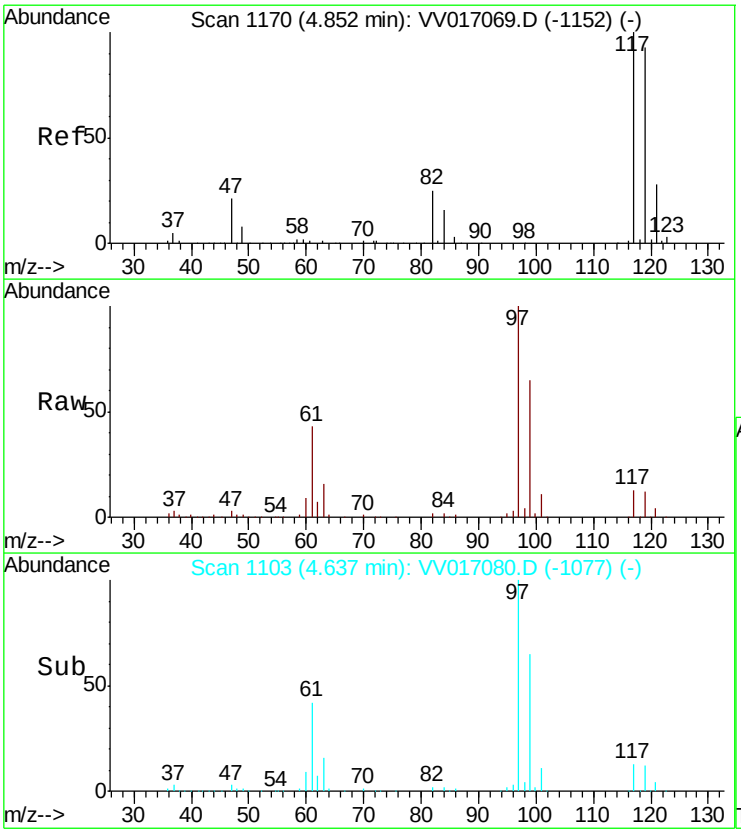
#30
Cyclohexane
Concen: 3.578 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion: 56 Resp: 71483

Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	87.1	69.9	104.9

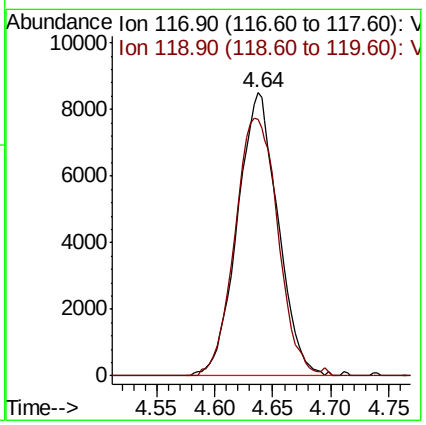


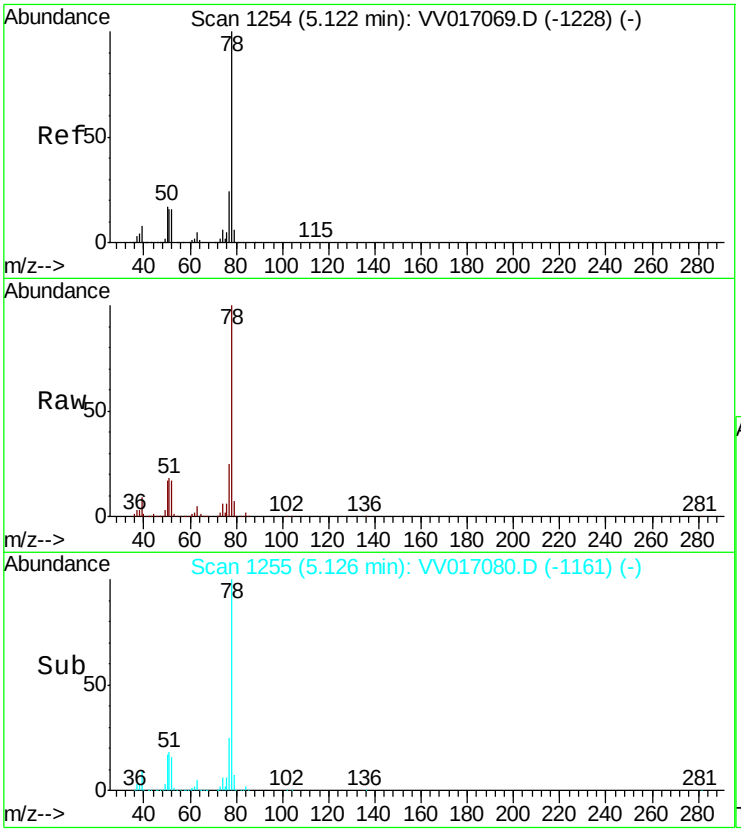


#31
Carbon tetrachloride
Concen: 1.092 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.22 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:117 Resp: 20684

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.8

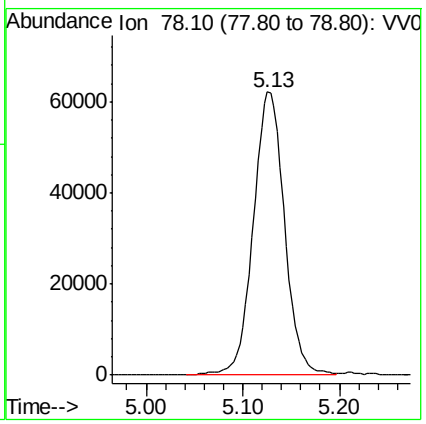


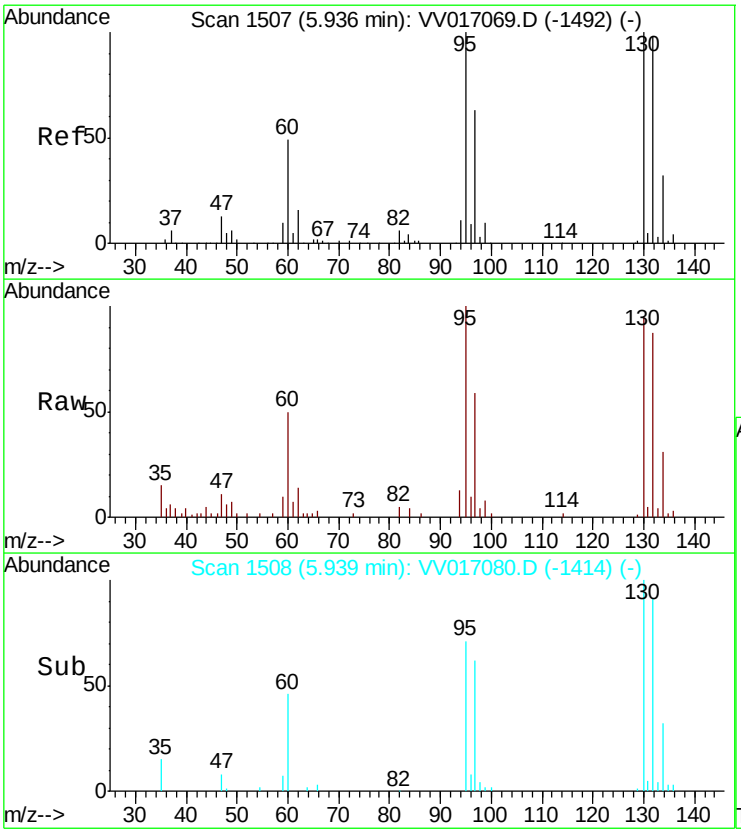


#33
Benzene
Concen: 3.033 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 78 Resp: 139194

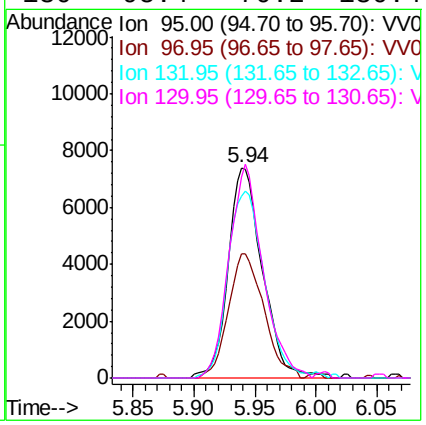


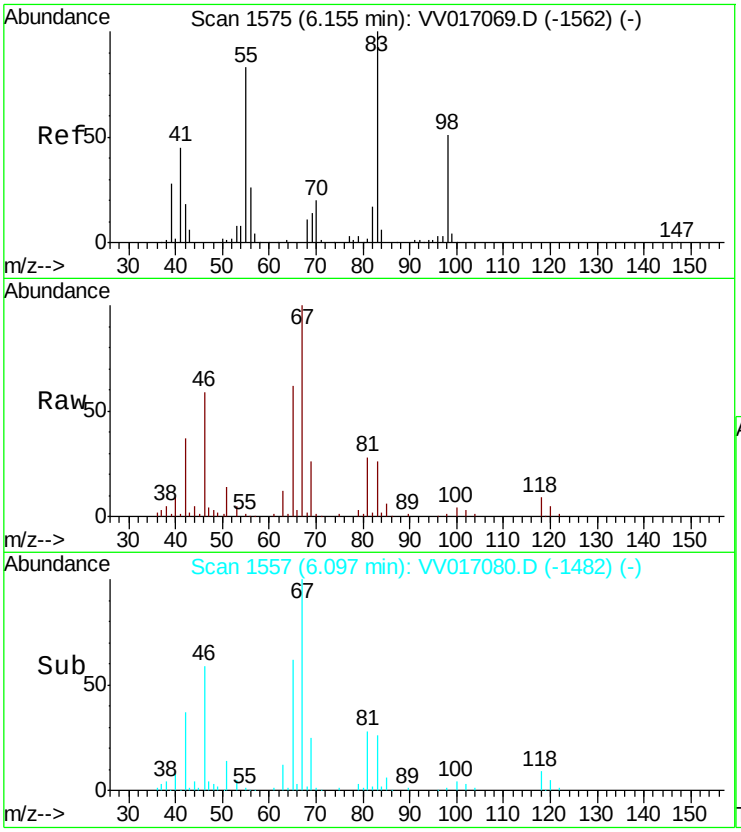


#34
Trichloroethene
Concen: 1.076 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 95 Resp: 14455

Ion	Ratio	Lower	Upper
95	100		
97	58.8	45.3	84.1
132	86.6	68.8	127.8
130	95.4	70.2	130.4



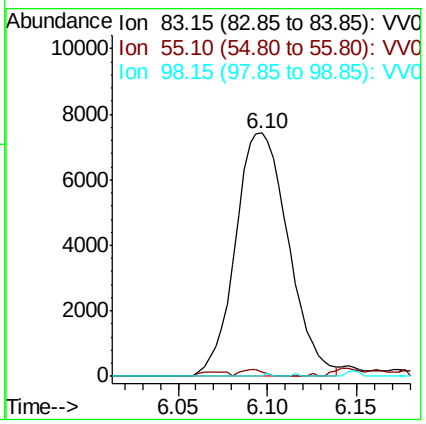


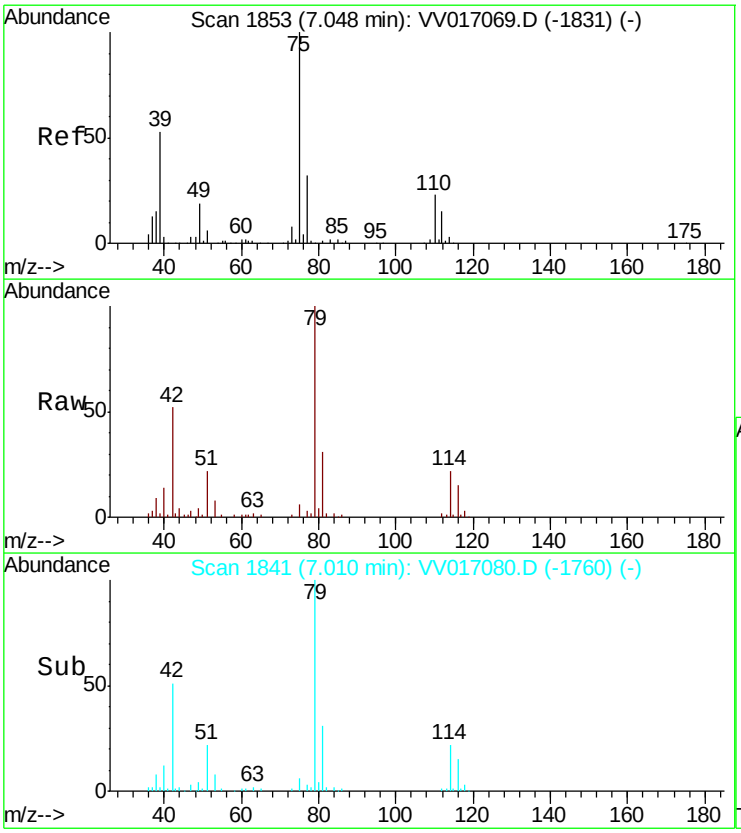
#35
Methylcyclohexane
Concen: 0.734 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 83 Resp: 15334

Ion	Ratio	Lower	Upper
83	100		
55	1.2	63.6	95.4#
98	0.1	38.8	58.2#

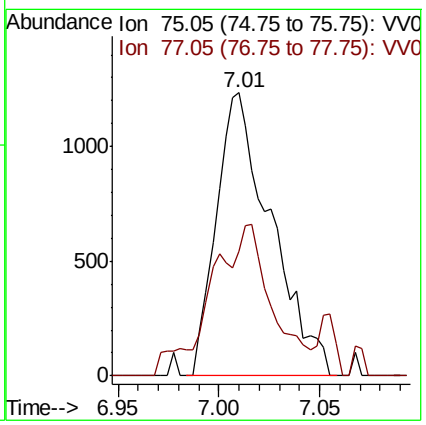


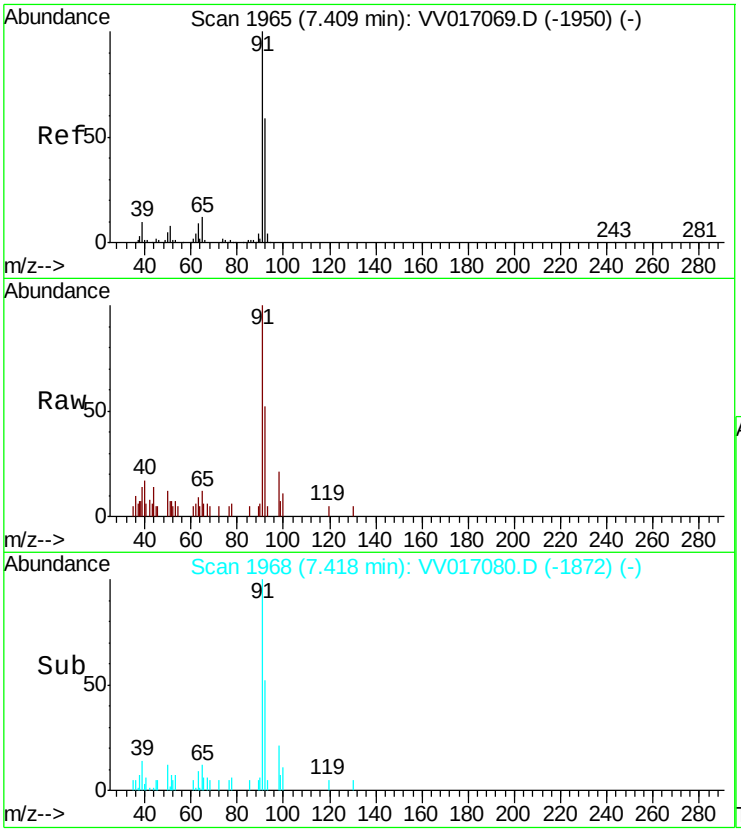


#39
cis-1,3-Dichloropropene
Concen: 0.138 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 75 Resp: 2331

Ion	Ratio	Lower	Upper
75	100		
77	44.0	22.3	41.5#



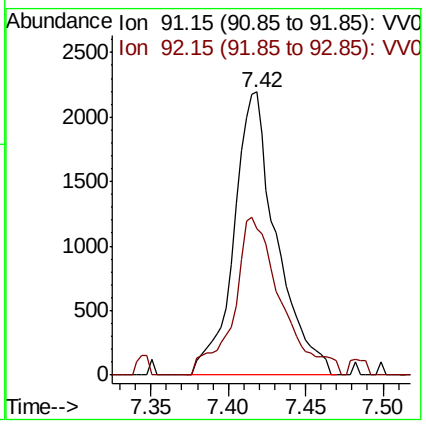


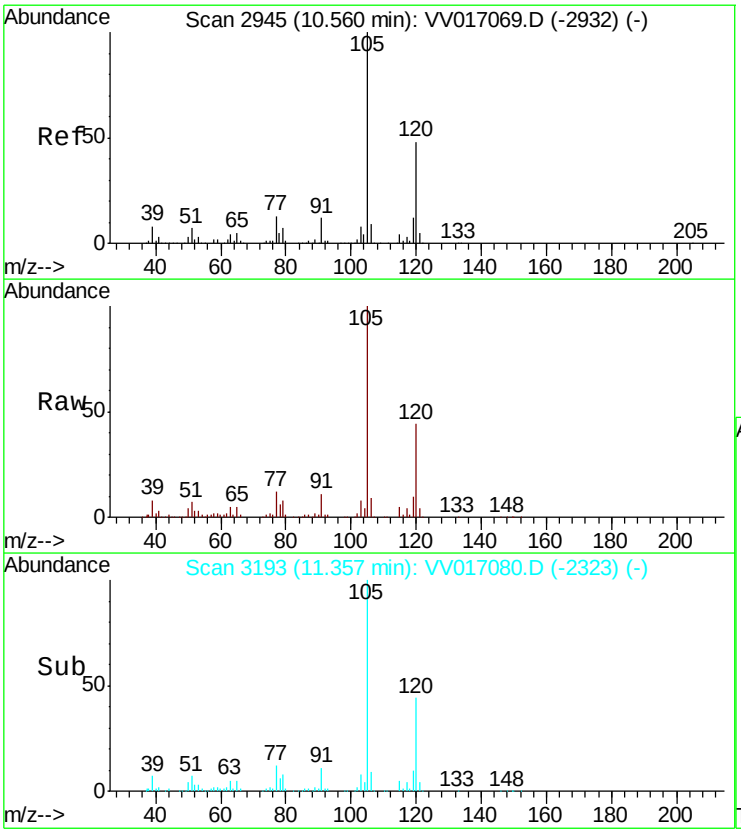
#42
Toluene
Concen: 0.079 ug/L
RT: 7.42 min Scan# 1968
Delta R.T. 0.01 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 91 Resp: 4207

Ion	Ratio	Lower	Upper
91	100		
92	51.5	39.9	74.1

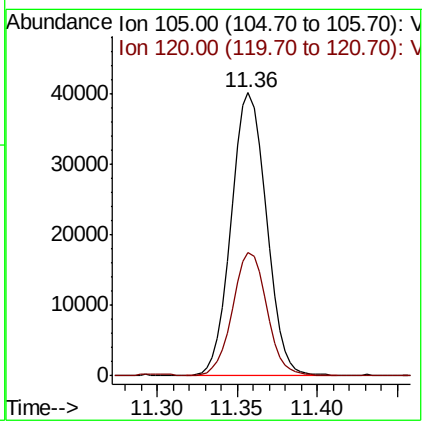


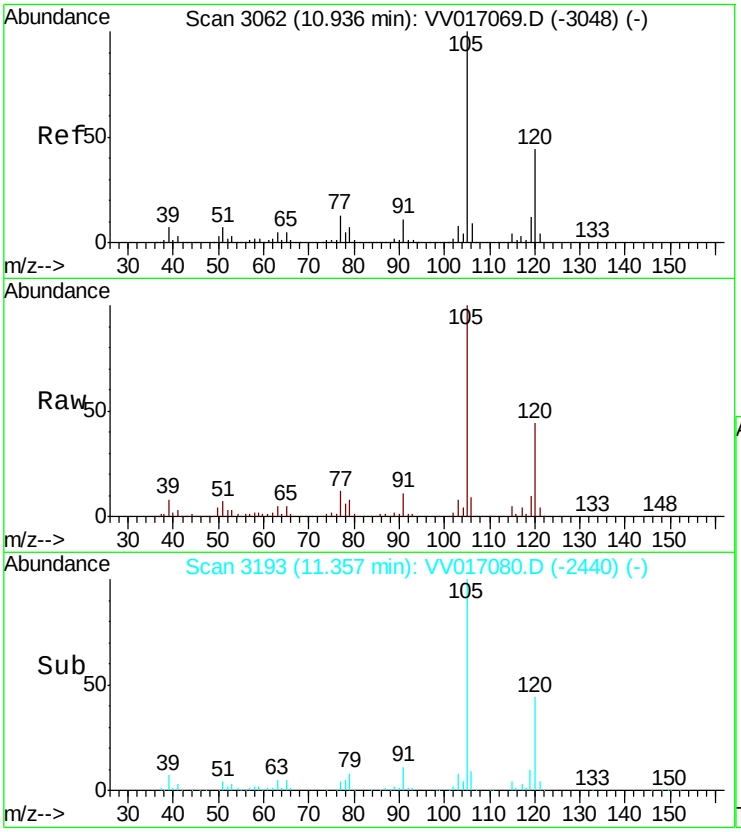


#43
1,3,5-Trimethylbenzene
Concen: 1.264 ug/L
RT: 11.36 min Scan# 3193
Delta R.T. 0.80 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:105 Resp: 60334

Ion	Ratio	Lower	Upper
105	100		
120	42.6	38.6	57.8



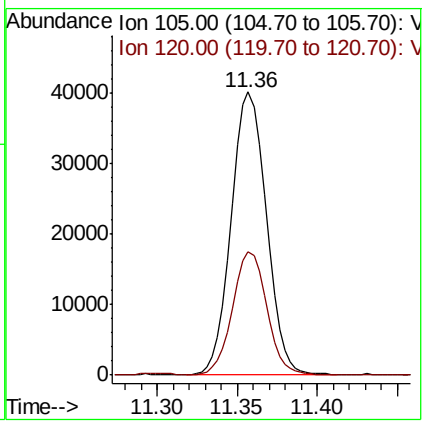


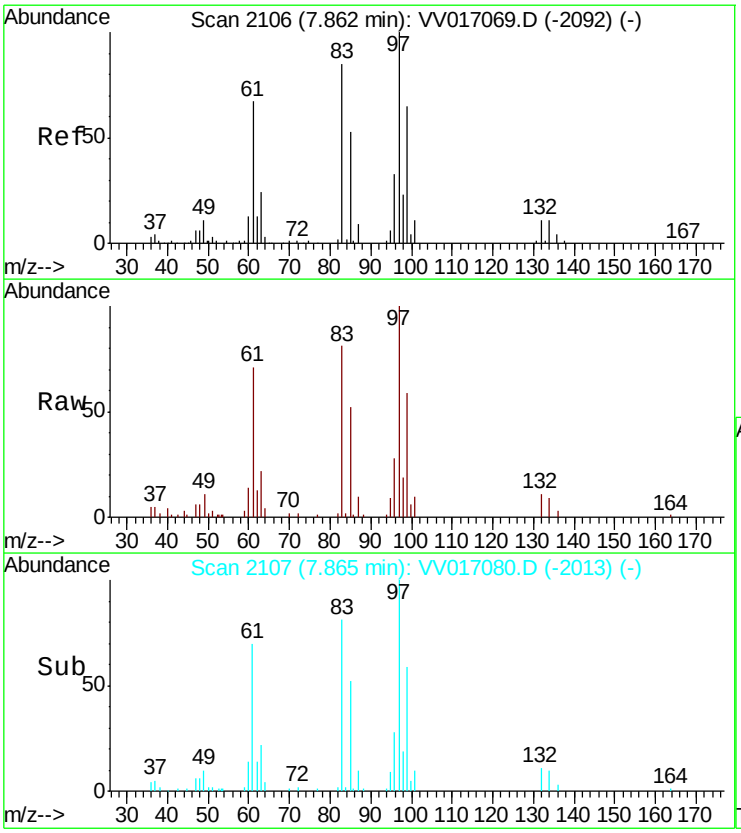
#44
1,2,4-Trimethylbenzene
Concen: 1.242 ug/L
RT: 11.36 min Scan# 3193
Delta R.T. 0.42 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion:105 Resp: 60334

Ion	Ratio	Lower	Upper
105	100		
120	42.6	35.8	53.8

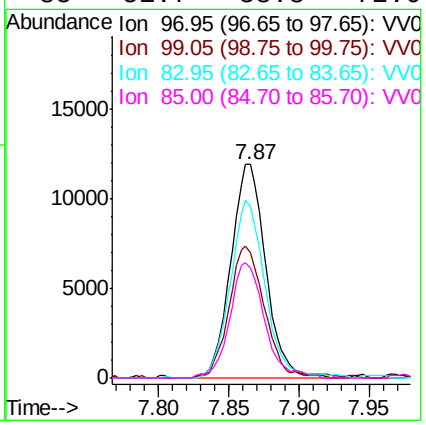


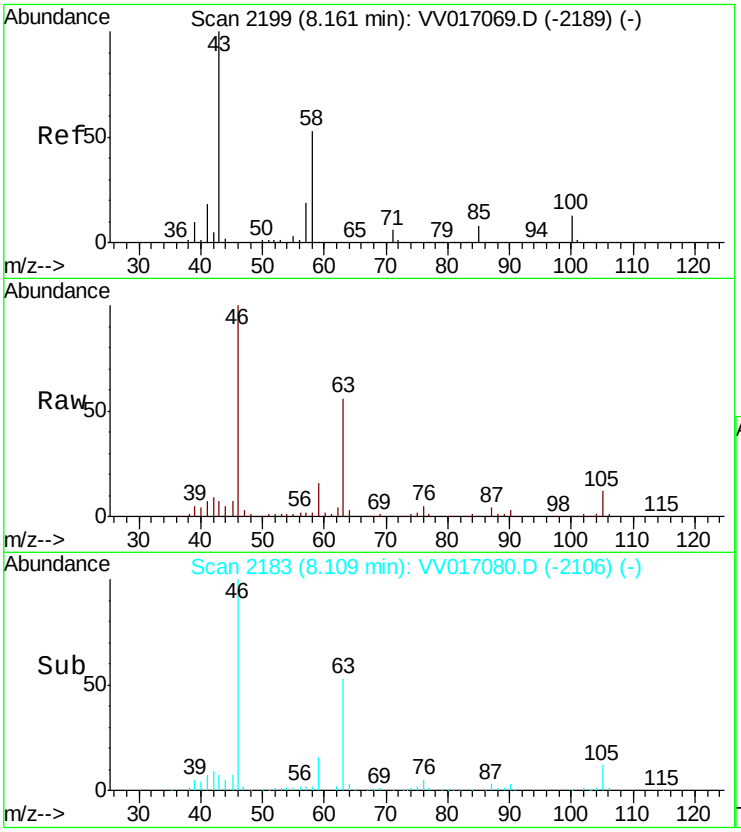


#47
1,1,2-Trichloroethane
Concen: 2.559 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion: 97 Resp: 20617

Ion	Ratio	Lower	Upper
97	100		
99	58.8	43.6	81.0
83	80.5	57.4	106.6
85	51.7	38.8	72.0



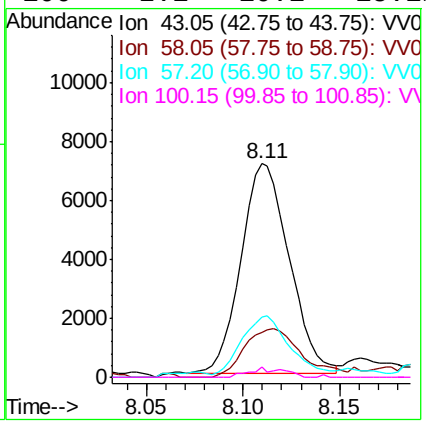


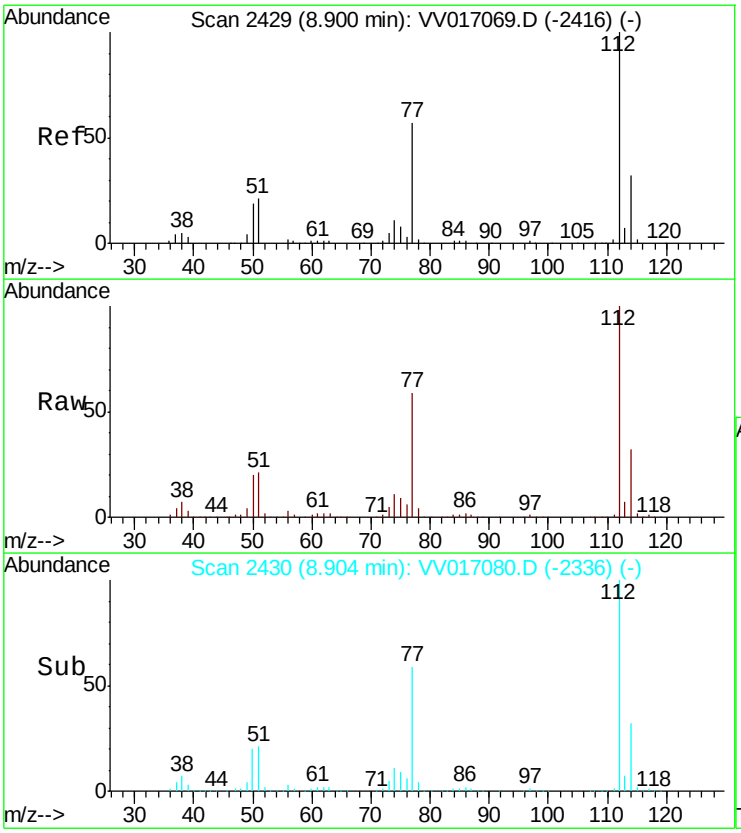
#50
2-Hexanone
Concen: 2.636 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion: 43 Resp: 12305

Ion	Ratio	Lower	Upper
43	100		
58	1.3	41.6	62.4#
57	1.8	15.4	23.0#
100	2.1	10.1	15.1#

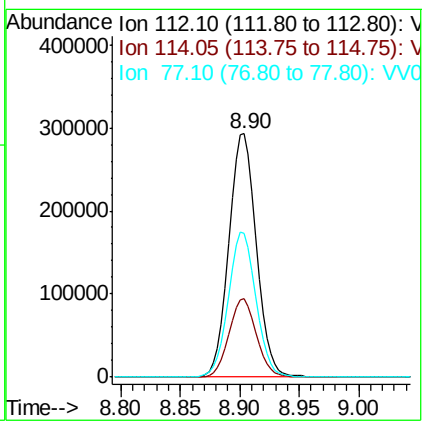


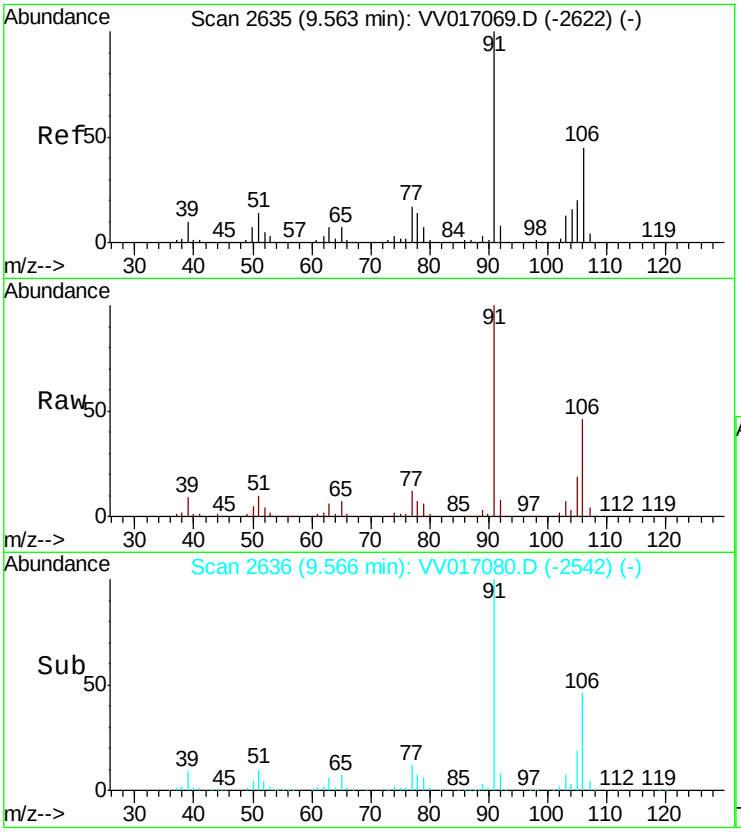


#53
Chlorobenzene
Concen: 14.139 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:112 Resp: 470292

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.0	41.0
77	58.9	46.0	69.0



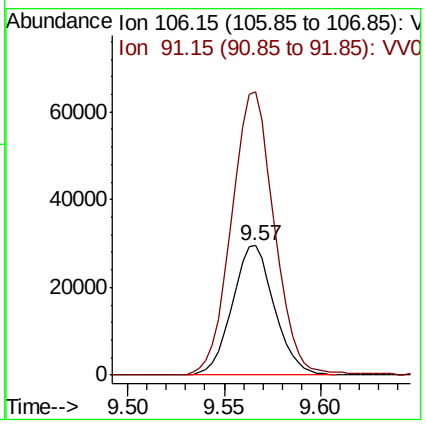


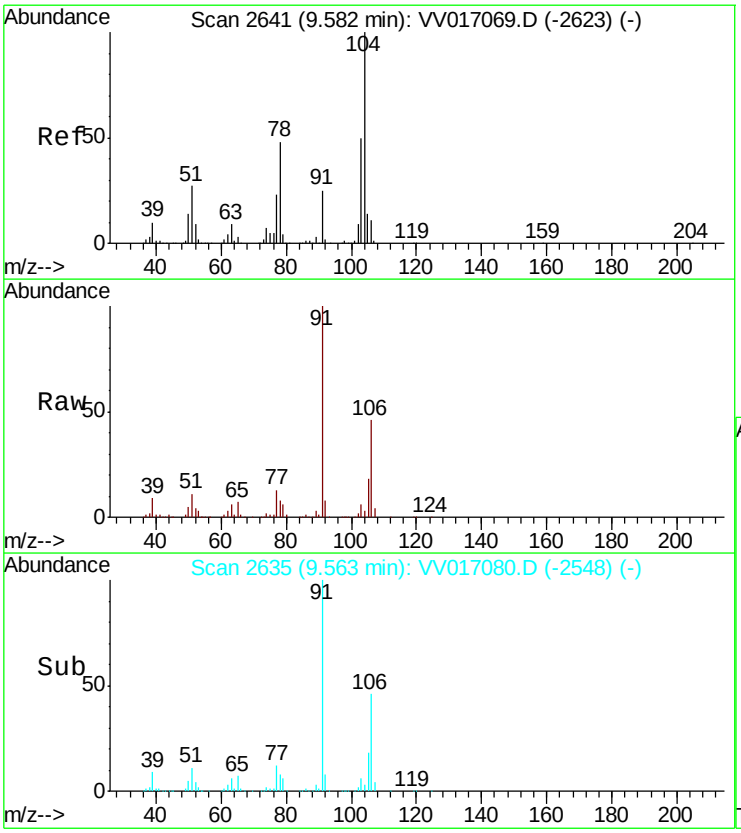
#56
o-xylene
Concen: 2.145 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion:106 Resp: 44717

Ion	Ratio	Lower	Upper
106	100		
91	218.3	153.6	285.2

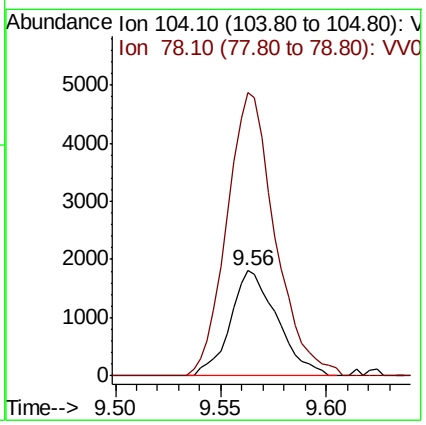


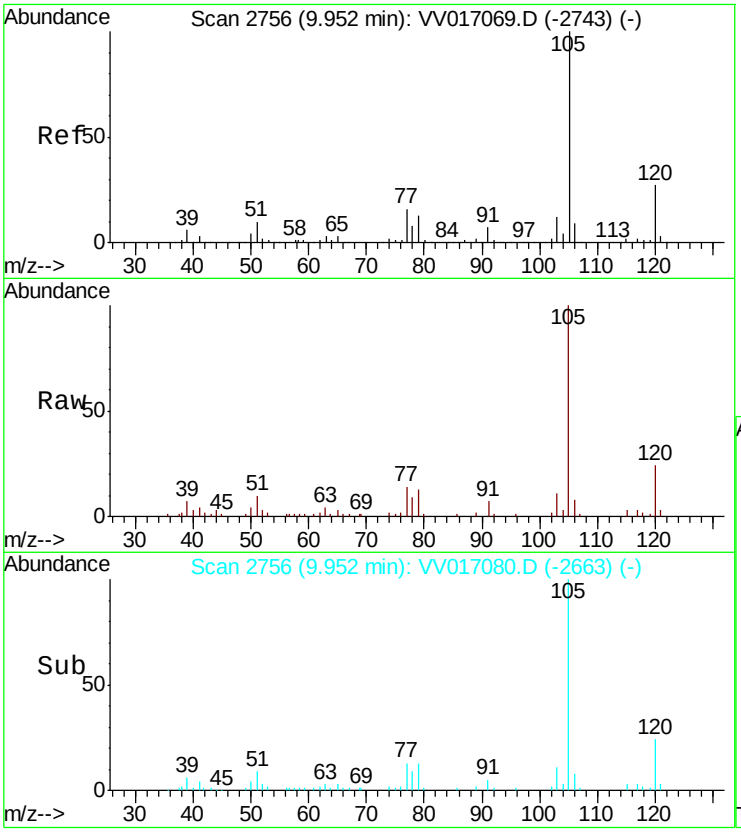


#57
Styrene
Concen: 0.081 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:104 Resp: 2793

Ion	Ratio	Lower	Upper
104	100		
78	268.6	33.9	62.9#



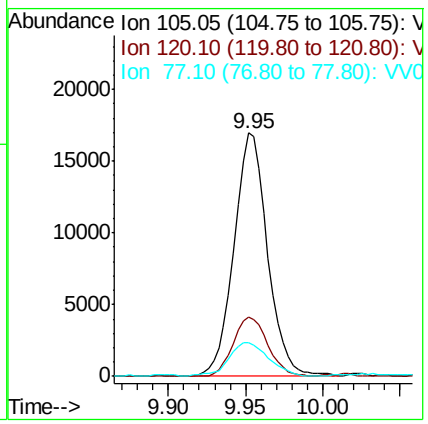


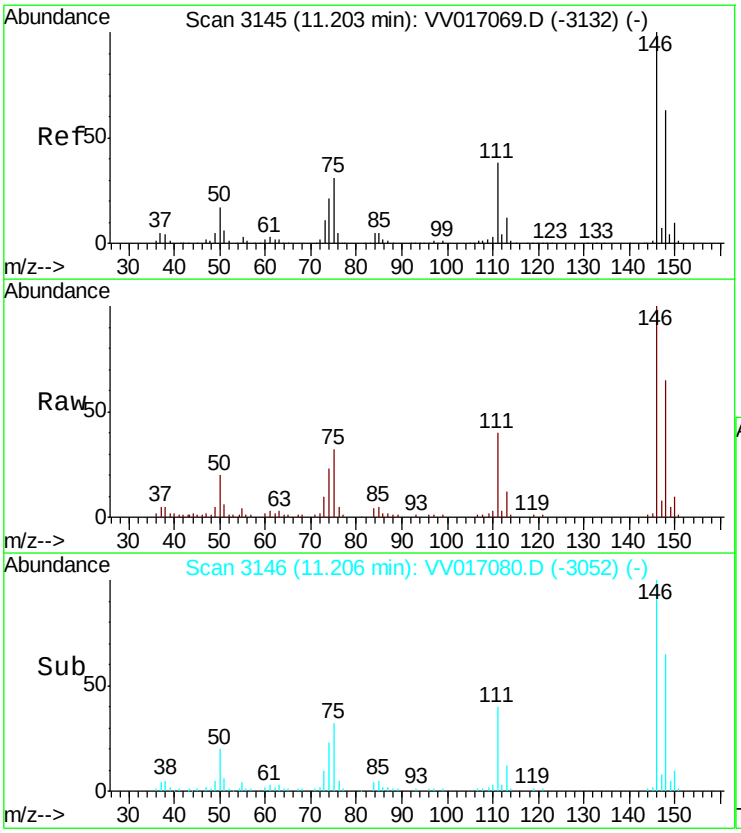
#58
Isopropylbenzene
Concen: 0.445 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument : MSVOA_V
ClientSampleId : BFXK7

Tgt Ion:105 Resp: 25503

Ion	Ratio	Lower	Upper
105	100		
120	25.0	21.2	31.8
77	16.6	13.0	19.4

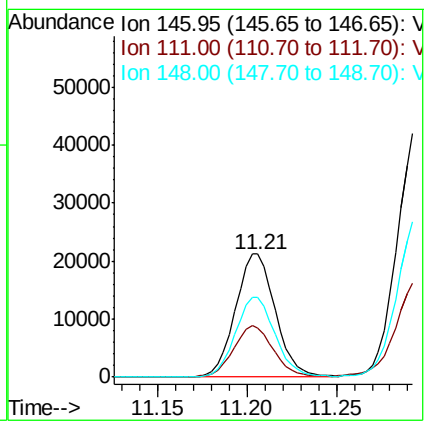


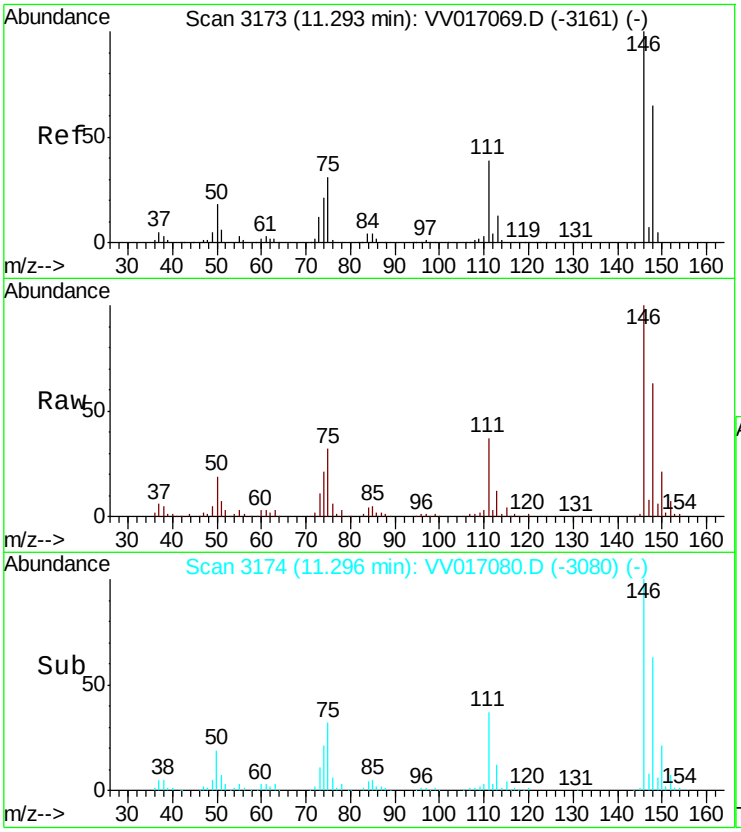


#63
1,3-Dichlorobenzene
Concen: 1.302 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:146 Resp: 32908

Ion	Ratio	Lower	Upper
146	100		
111	39.8	29.2	54.2
148	64.8	44.9	83.5



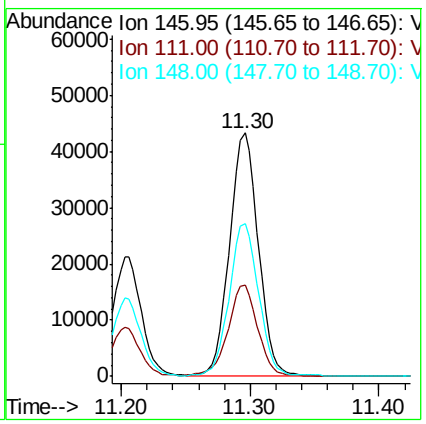


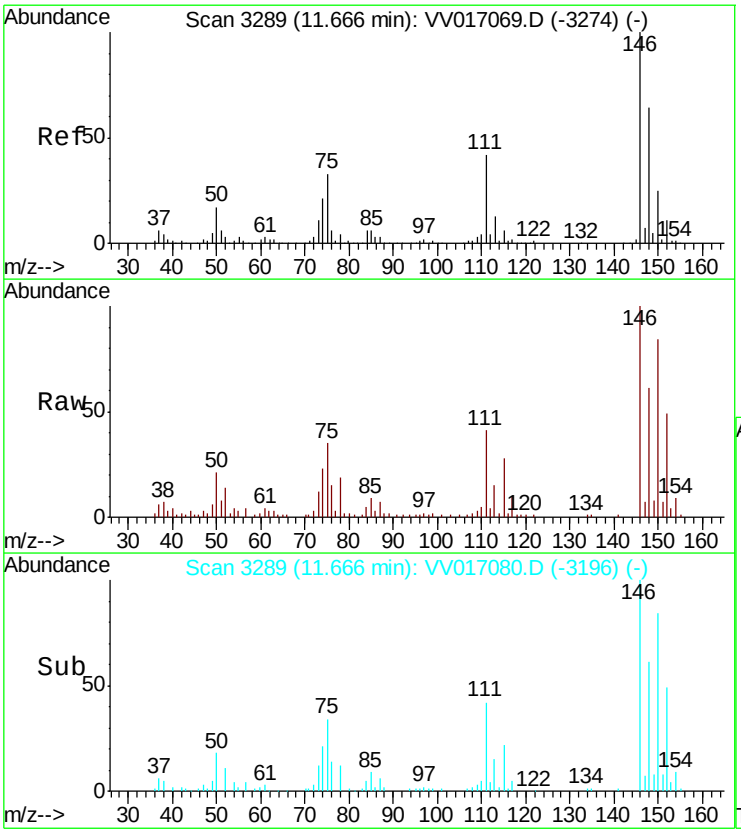
#64
1,4-Dichlorobenzene
Concen: 2.606 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion:146 Resp: 66975

Ion	Ratio	Lower	Upper
146	100		
111	37.3	27.4	50.8
148	62.7	44.3	82.3

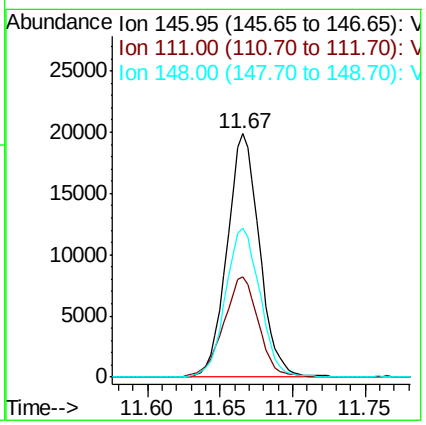


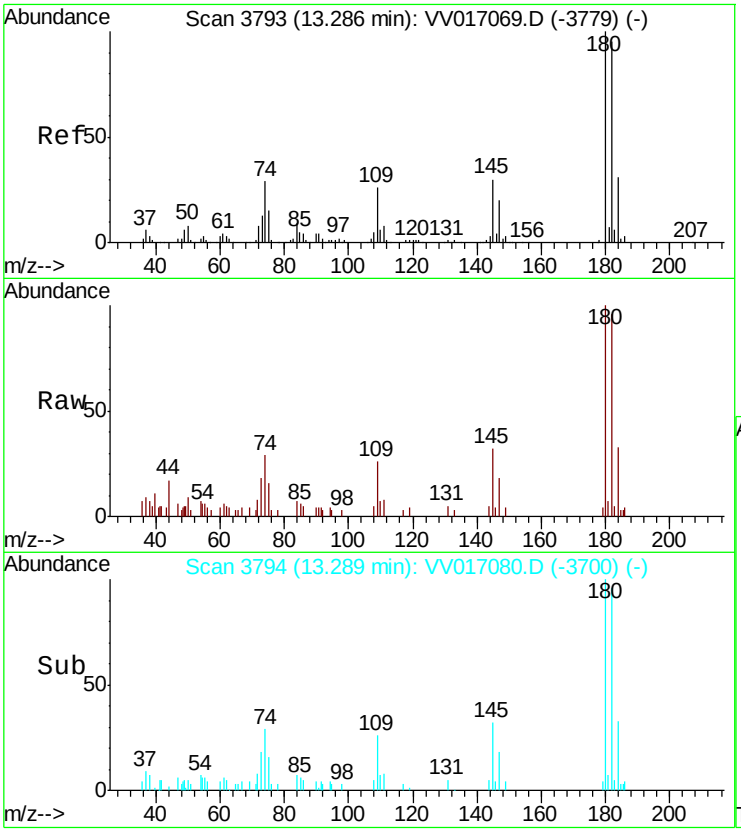


#66
1,2-Dichlorobenzene
Concen: 1.340 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:146 Resp: 30745

Ion	Ratio	Lower	Upper
146	100		
111	41.3	34.4	51.6
148	61.2	49.9	74.9



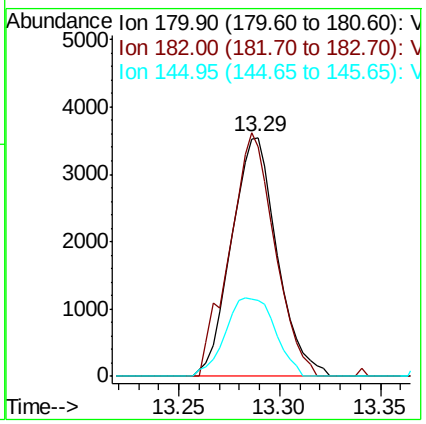


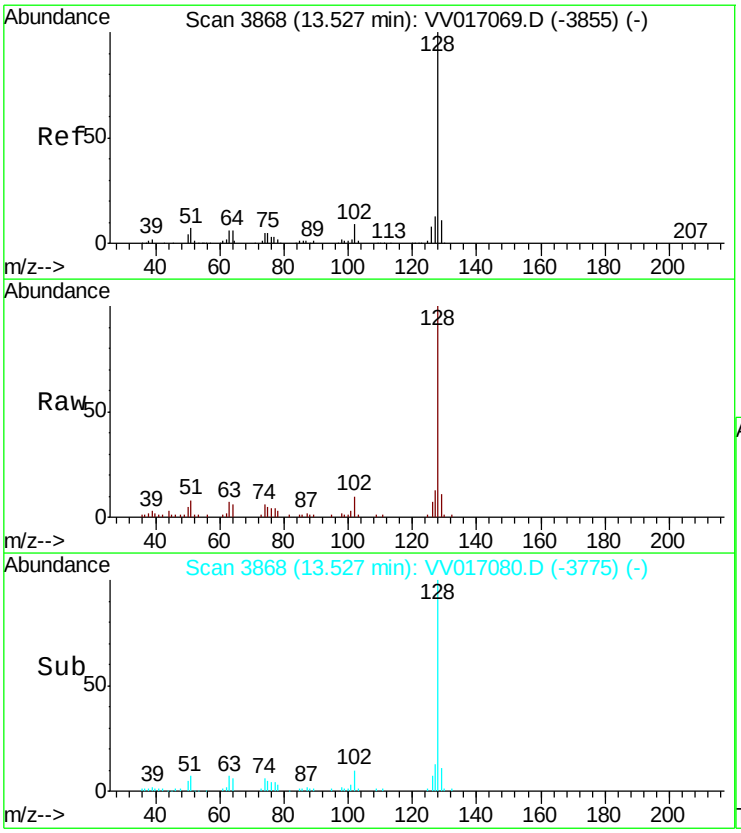
#69
1,2,4-trichlorobenzene
Concen: 0.337 ug/L
RT: 13.29 min Scan# 3794
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion:180 Resp: 5630

Ion	Ratio	Lower	Upper
180	100		
182	100.3	76.6	114.8
145	35.9	25.0	37.6

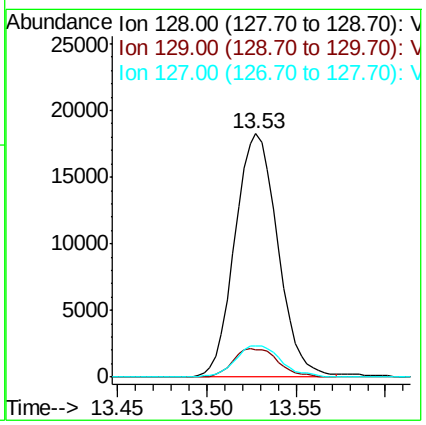


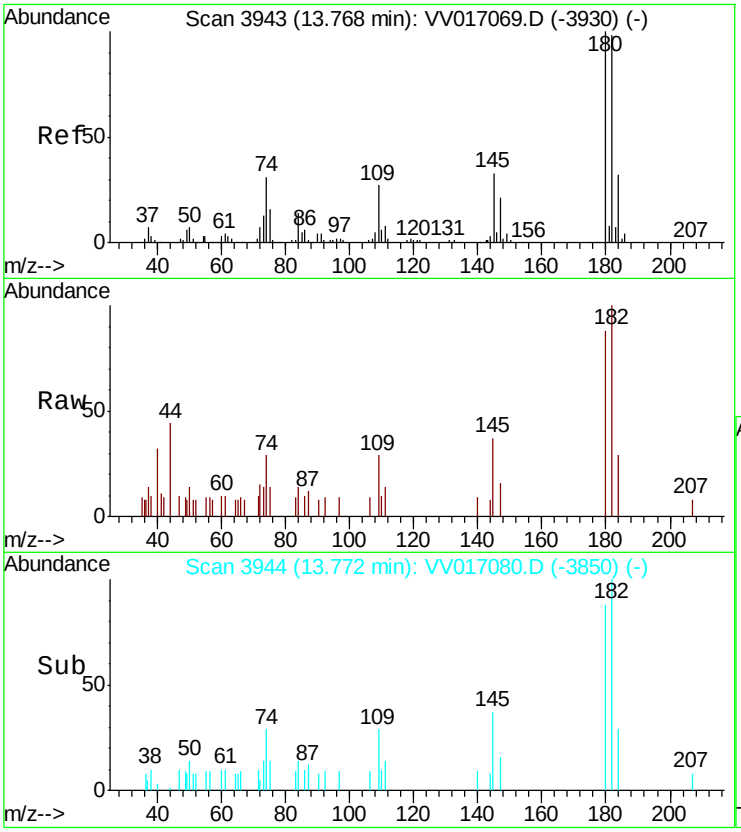


#70
Naphthalene
Concen: 1.297 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Tgt Ion:128 Resp: 30615

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.7	10.5	15.7





#71
1,2,3-Trichlorobenzene
Concen: 0.152 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV017080.D
Acq: 24 Jun 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFXK7

Tgt Ion:180 Resp: 2074

Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.4	116.0
145	37.5	25.9	38.9