Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
Data File : VV017081.D
Acq On : 24 Jun 2020 19:05
Operator : SY/MD
Sample : L3105-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFXK8

Quant Time: Jun 25 01:21:10 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	176410	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.87	117	169255	5.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	83185	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.32	65	49097	4.64	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 92.80%				
7) Chloroethane-d5	1.58	69	32523	4.22	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 84.40%				
11) 1,1-Dichloroethene-d2	2.13	63	78130	3.88	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 77.60%				
20) 2-Butanone-d5	3.92	46	125681	46.58	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 93.16%				
24) Chloroform-d	4.38	84	105340	4.65	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.00%				
26) 1,2-Dichloroethane-d4	5.06	65	57115	4.76	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.20%				
32) Benzene-d6	5.08	84	199944	4.56	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.20%				
36) 1,2-Dichloropropane-d6	6.10	67	59431	4.52	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.40%				
41) Toluene-d8	7.34	98	178230	4.33	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.60%				
45) trans-1,3-Dichloropropene-	7.65	79	22955	4.19	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 83.80%				
48) 2-Hexanone-d5	8.11	63	92082	44.14	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 88.28%				
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42862	4.91	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.20%				
65) 1,2-Dichlorobenzene-d4	11.65	152	74642	4.85	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 97.00%				
Target Compounds							Qvalue
5) Vinyl chloride	1.32	62	1181923	102.102	ug/L		100
8) Chloroethane	1.32	64	379130	59.263	ug/L	#	42
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	723	0.077	ug/L	#	26
12) 1,1-Dichloroethene	2.14	96	28845	3.407	ug/L		87
13) Acetone	2.20	43	11921	8.739	ug/L		95
15) Methyl Acetate	2.55	43	86713	26.001	ug/L	#	52
16) Methylene chloride	2.53	84	1335	0.147	ug/L	#	44
17) Methyl tert-butyl Ether	2.79	73	2697	0.127	ug/L	#	1
18) trans-1,2-Dichloroethene	2.78	96	21653	2.413	ug/L		98
19) 1,1-Dichloroethane	3.21	63	600717	29.800	ug/L		98
21) 2-Butanone	4.10	43	818192	318.196	ug/L	#	50
22) cis-1,2-Dichloroethene	3.94	96	644629	52.542	ug/L		100
25) Chloroform	4.41	83	21670	0.984	ug/L		96
27) 1,2-Dichloroethane	5.16	62	20685	1.512	ug/L		100
29) 1,1,1-Trichloroethane	4.64	97	162714	8.024	ug/L		98
30) Cyclohexane	4.70	56	73127	3.790	ug/L		100
31) Carbon tetrachloride	4.63	117	20773	1.135	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
Data File : VV017081.D
Acq On : 24 Jun 2020 19:05
Operator : SY/MD
Sample : L3105-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFXK8

Quant Time: Jun 25 01:21:10 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)
33) Benzene	5.13	78	136976	3.090	ug/L		100
34) Trichloroethene	5.94	95	14057	1.083	ug/L		97
35) Methylcyclohexane	6.10	83	15652	0.776	ug/L	#	18
39) cis-1,3-Dichloropropene	7.01	75	2153	0.132	ug/L	#	65
42) Toluene	7.42	91	4153	0.081	ug/L		97
43) 1,3,5-Trimethylbenzene	11.36	105	59185	1.284	ug/L		88
44) 1,2,4-Trimethylbenzene	11.36	105	59185	1.261	ug/L		92
47) 1,1,2-Trichloroethane	7.86	97	19817	2.546	ug/L		98
53) Chlorobenzene	8.90	112	463743	14.436	ug/L		98
56) o-xylene	9.57	106	42635	2.118	ug/L		99
57) Styrene	9.57	104	2640	0.079	ug/L	#	1
58) Isopropylbenzene	9.95	105	24390	0.440	ug/L		98
63) 1,3-Dichlorobenzene	11.21	146	32944	1.315	ug/L		99
64) 1,4-Dichlorobenzene	11.30	146	64932	2.551	ug/L		99
66) 1,2-Dichlorobenzene	11.67	146	30309	1.334	ug/L		99
69) 1,2,4-trichlorobenzene	13.29	180	5968	0.360	ug/L		97
70) Naphthalene	13.53	128	30746	1.315	ug/L		98
71) 1,2,3-Trichlorobenzene	13.77	180	2082	0.154	ug/L		94

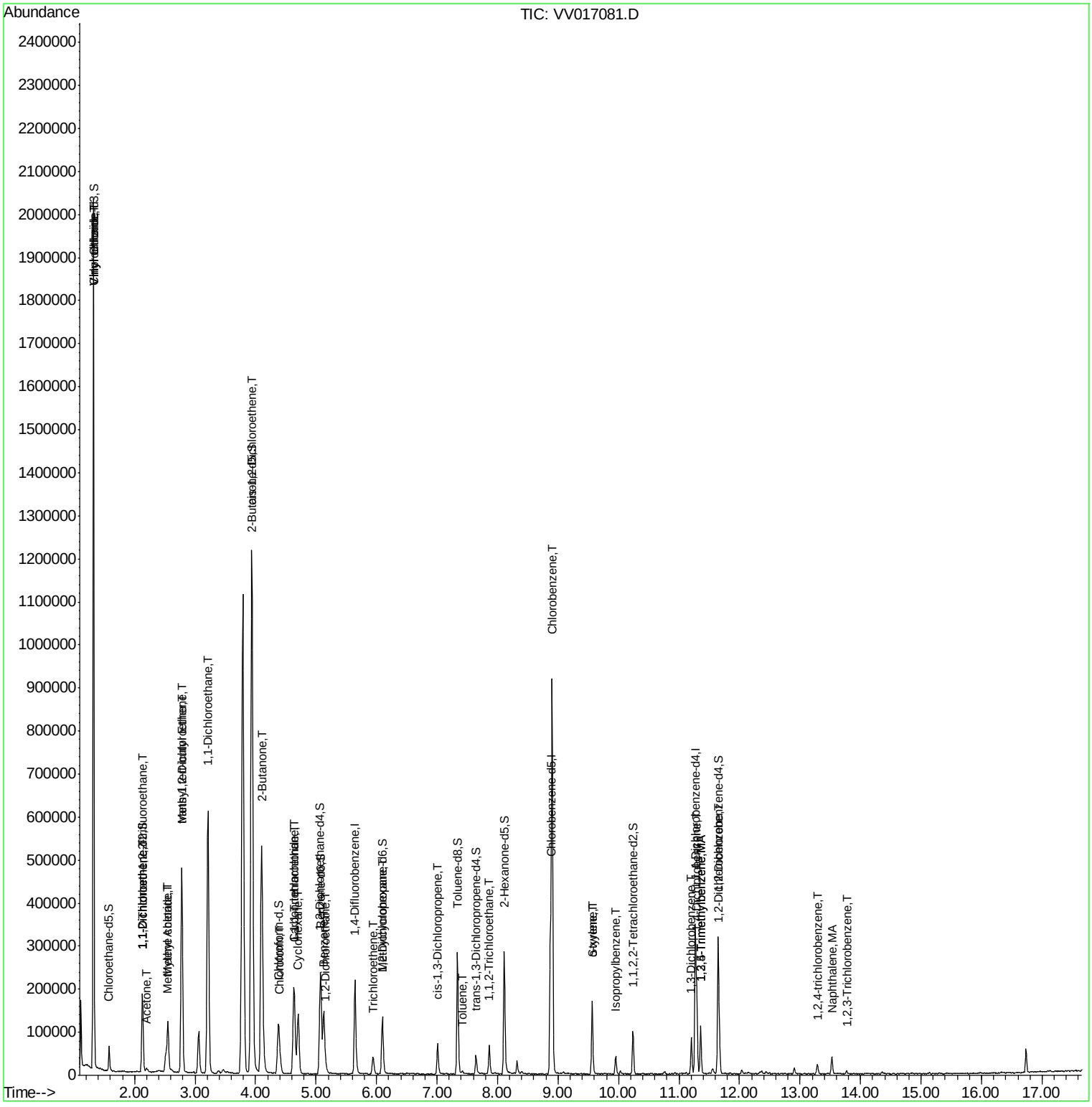
(#) = qualifier out of range (m) = manual integration (+) = signals summed

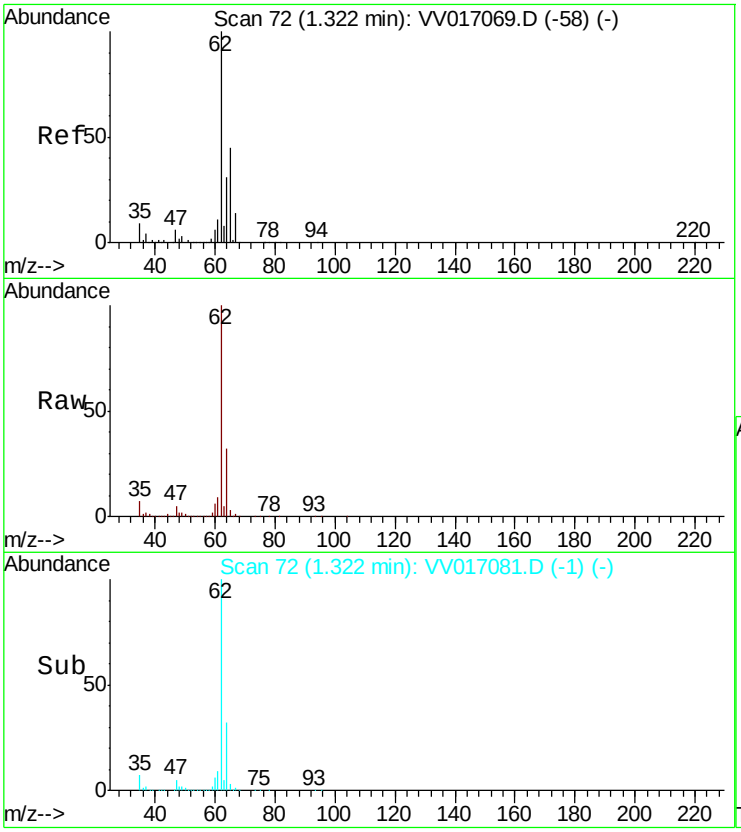
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
Data File : VV017081.D
Acq On : 24 Jun 2020 19:05
Operator : SY/MD
Sample : L3105-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Quant Time: Jun 25 01:21:10 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



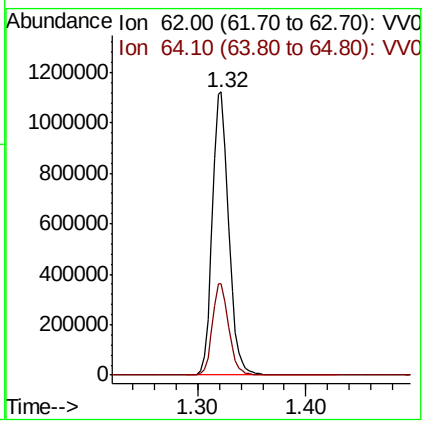


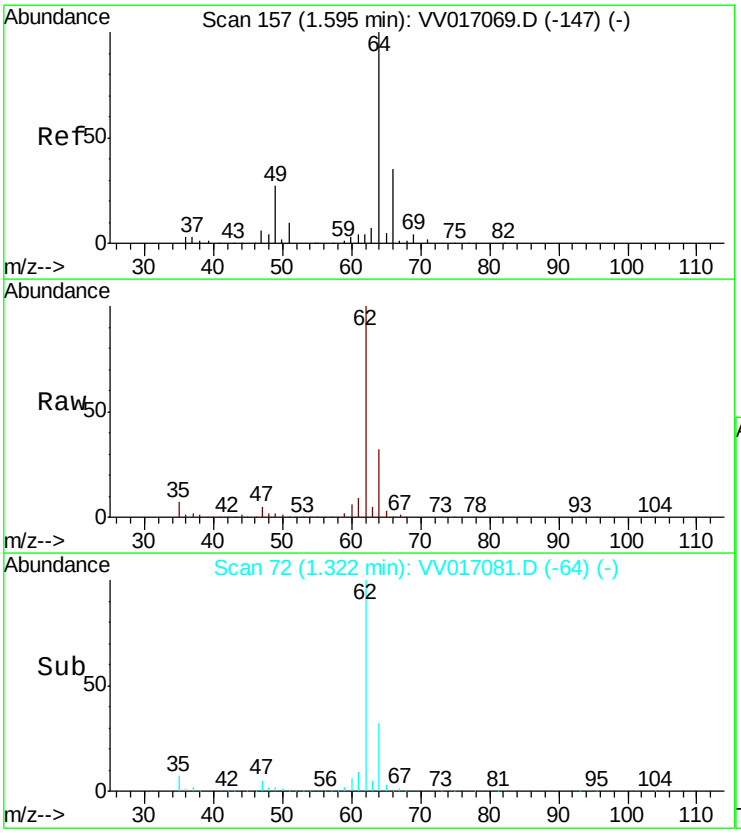
#5
Vinyl chloride
Concen: 102.102 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 62 Resp: 1181923

Ion	Ratio	Lower	Upper
62	100		
64	32.4	22.5	41.7

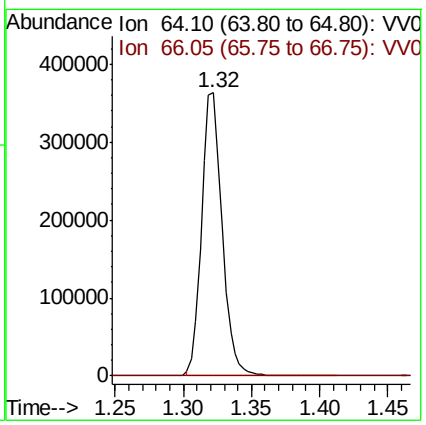


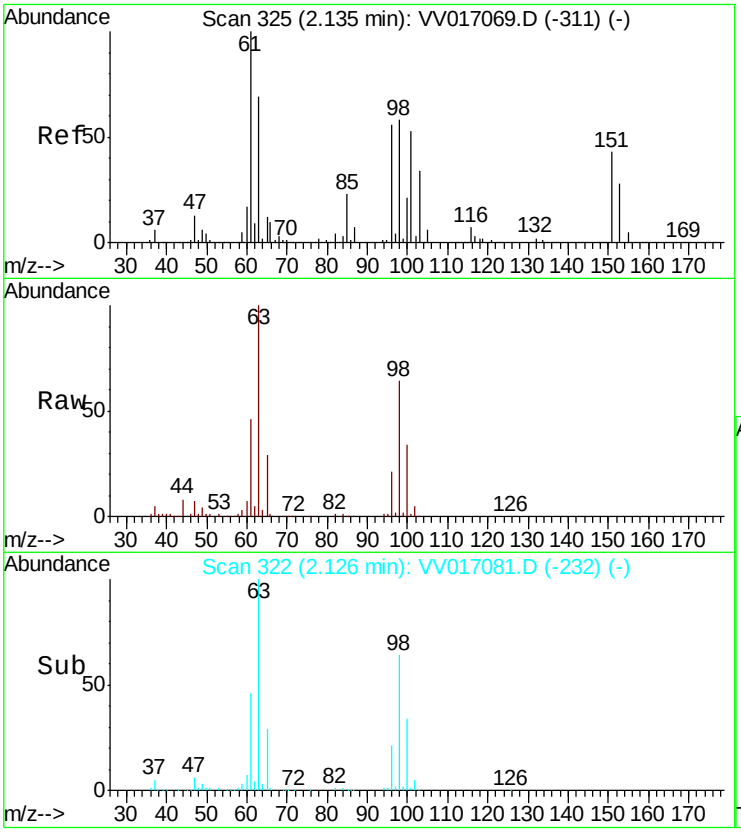


#8
Chloroethane
Concen: 59.263 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.27 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 64 Resp: 379130

Ion	Ratio	Lower	Upper
64	100		
66	0.2	22.8	42.4#



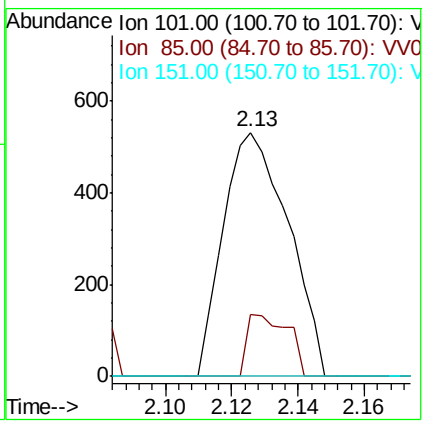


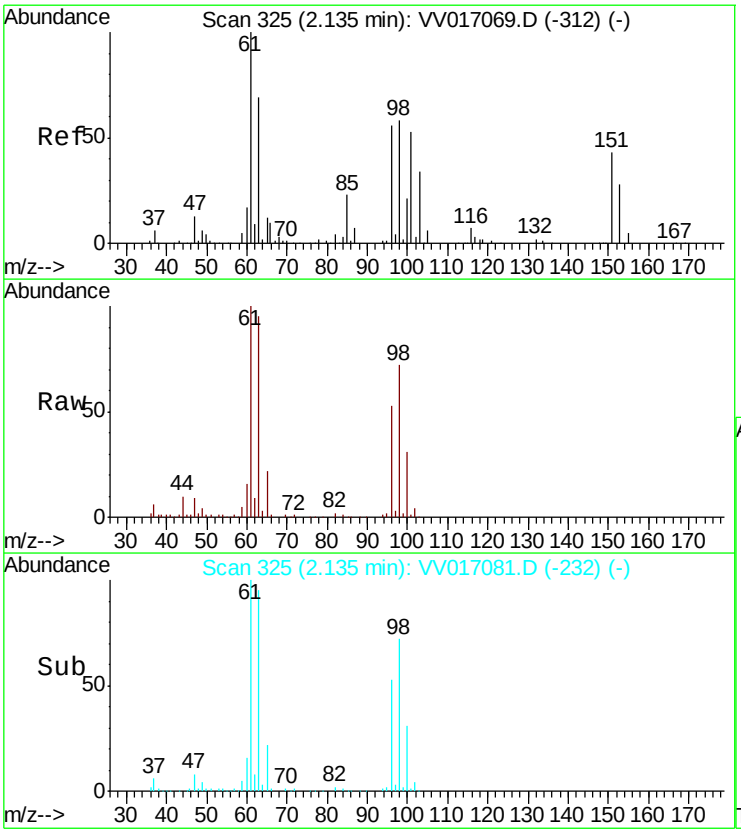
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.077 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:101 Resp: 723

Ion	Ratio	Lower	Upper
101	100		
85	15.6	35.4	53.2#
151	0.0	63.9	95.9#

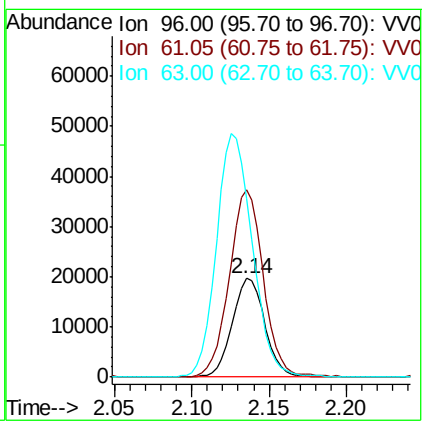


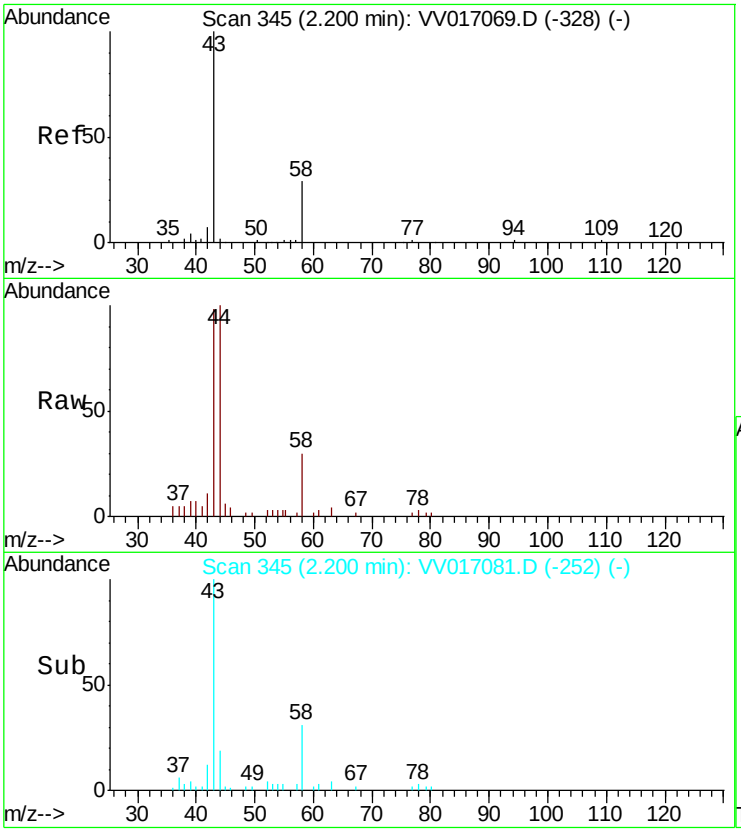


#12
1,1-Dichloroethene
Concen: 3.407 ug/L
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 96 Resp: 28845

Ion	Ratio	Lower	Upper
96	100		
61	189.8	125.0	232.2
63	180.1	109.8	203.8



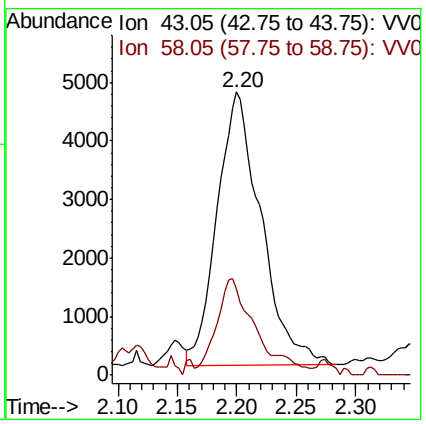


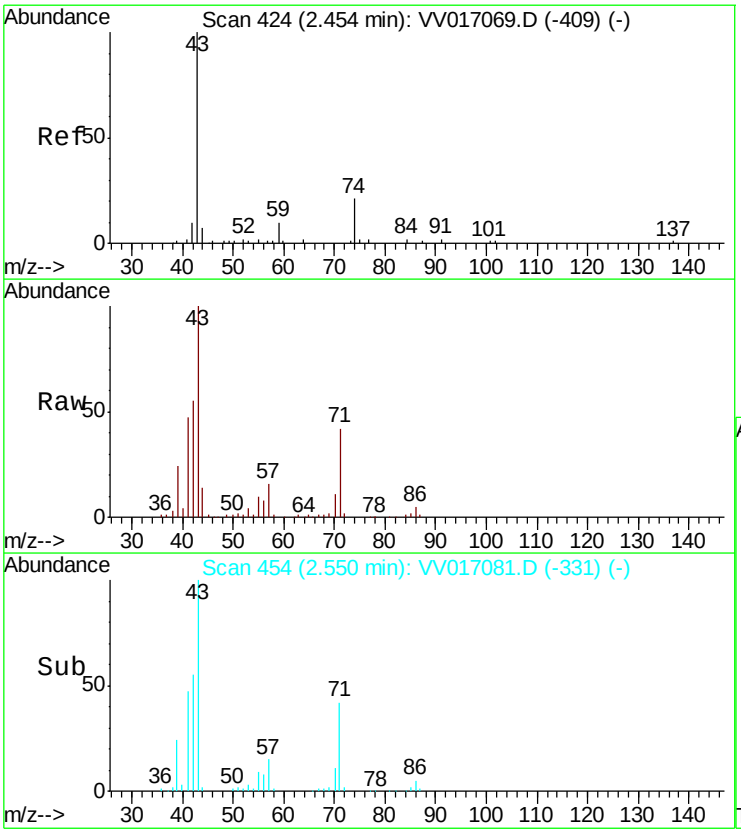
#13
Acetone
Concen: 8.739 ug/L
RT: 2.20 min Scan# 345
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 43 Resp: 11921

Ion	Ratio	Lower	Upper
43	100		
58	31.8	0.0	58.4

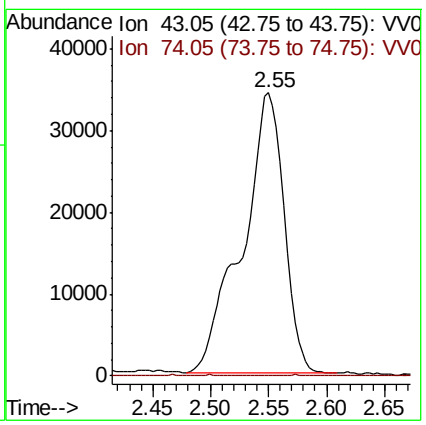


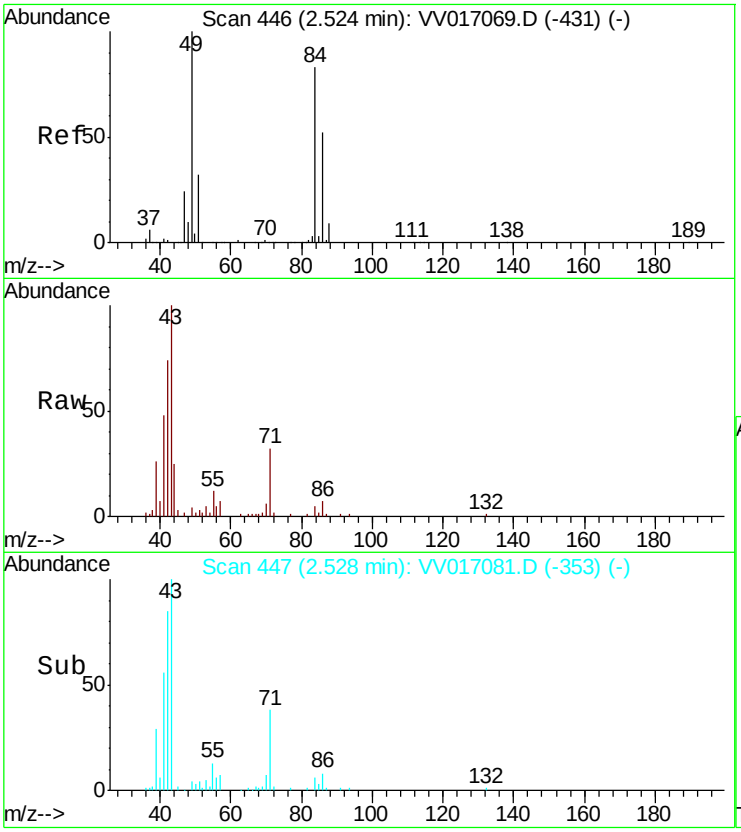


#15
Methyl Acetate
Concen: 26.001 ug/L
RT: 2.55 min Scan# 454
Delta R.T. 0.10 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 43 Resp: 86713

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.1	28.7#



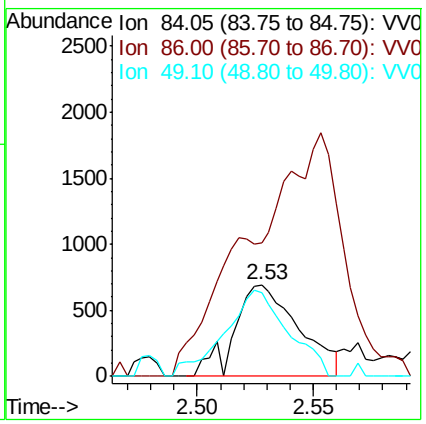


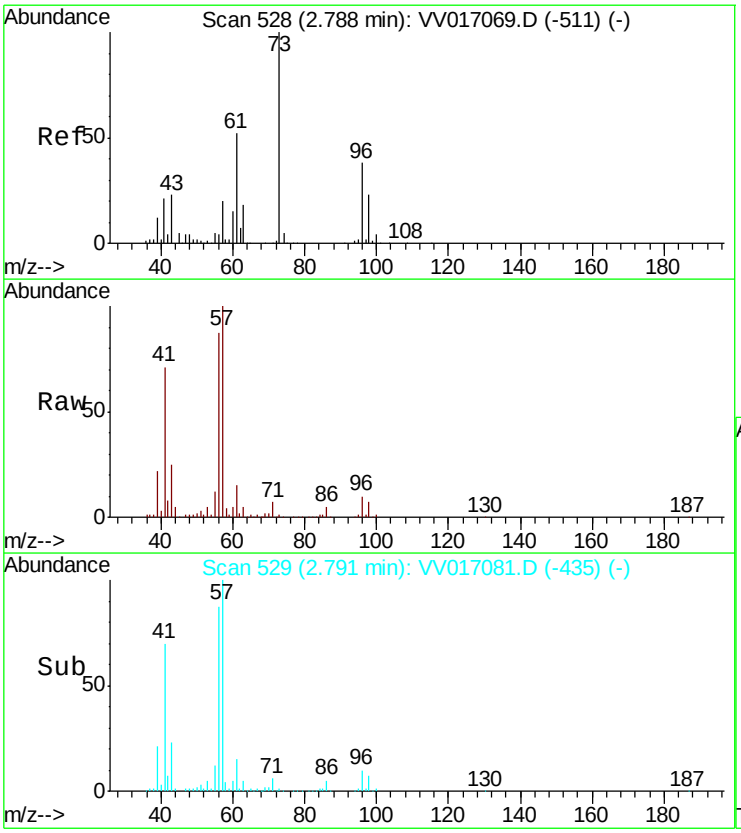
#16
Methylene chloride
Concen: 0.147 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument : MSVOA_V
ClientSampleId : BFXK8

Tgt Ion: 84 Resp: 1335

Ion	Ratio	Lower	Upper
84	100		
86	145.5	45.8	85.0#
49	90.5	89.6	166.4

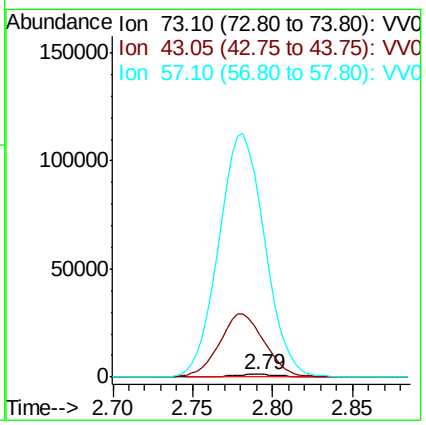


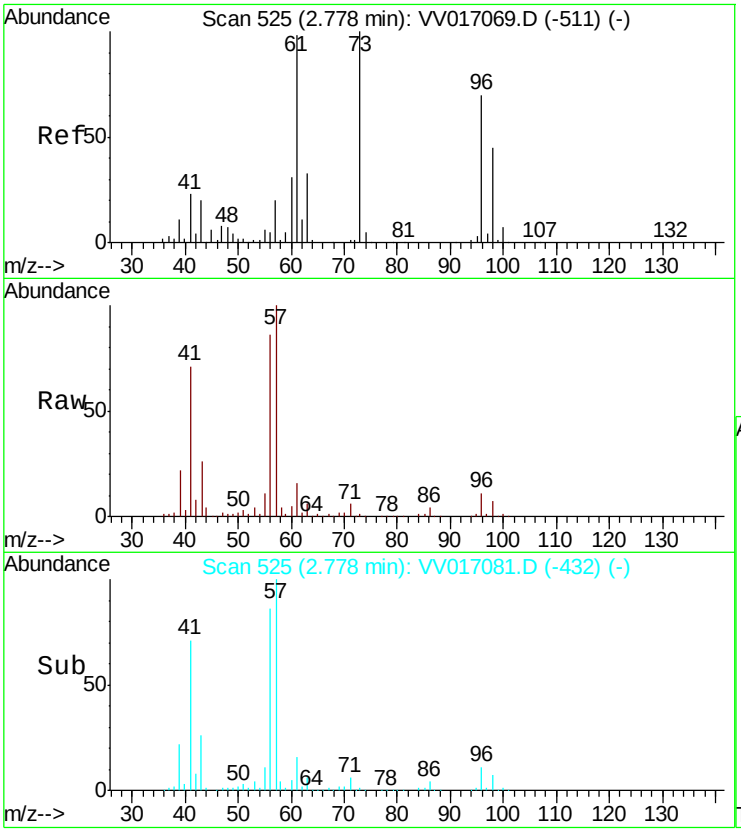


#17
Methyl tert-butyl Ether
Concen: 0.127 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 73 Resp: 2697

Ion	Ratio	Lower	Upper
73	100		
43	2076.9	18.6	28.0#
57	8235.0	16.4	24.6#



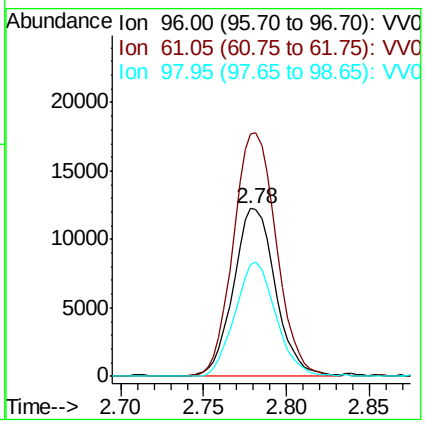


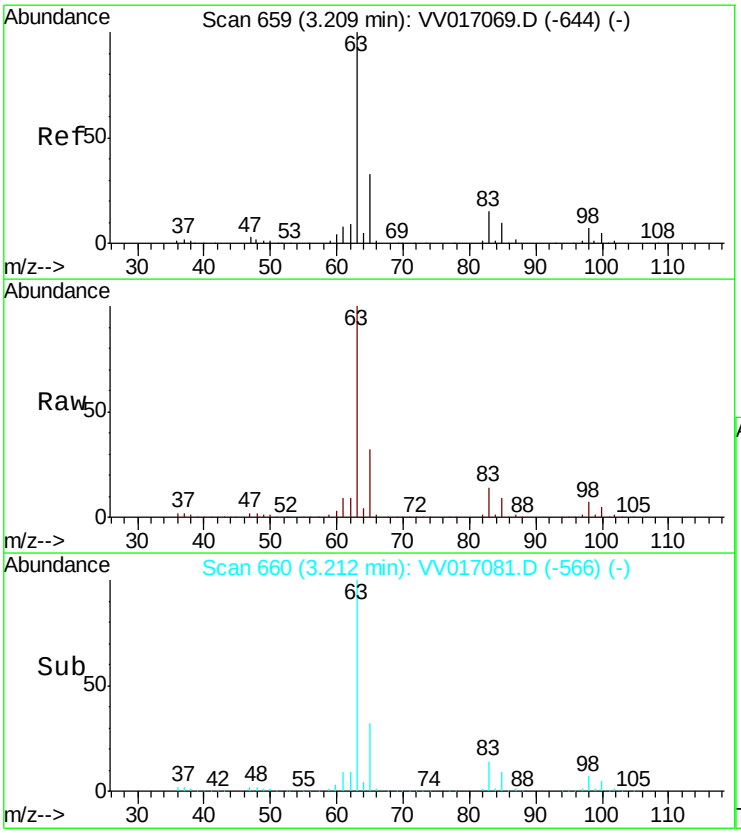
#18
trans-1,2-Dichloroethene
Concen: 2.413 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 96 Resp: 21653

Ion	Ratio	Lower	Upper
96	100		
61	144.7	102.3	189.9
98	66.7	44.7	82.9

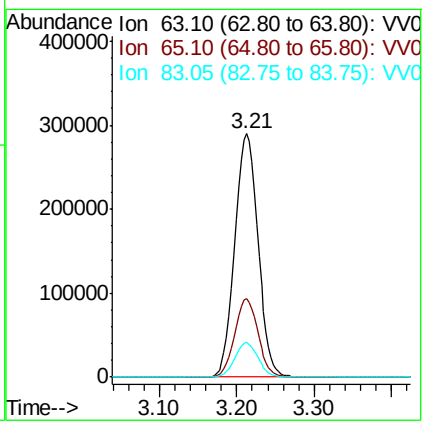


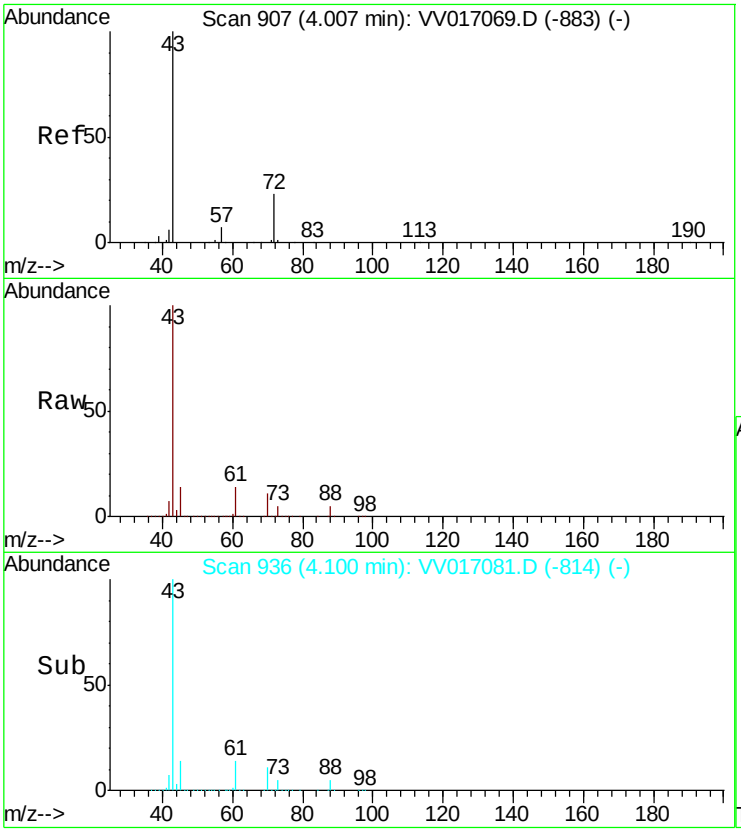


#19
1,1-Dichloroethane
Concen: 29.800 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 63 Resp: 600717

Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.8	40.4
83	14.1	9.7	17.9



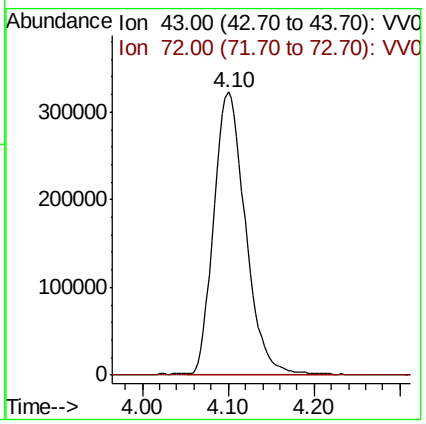


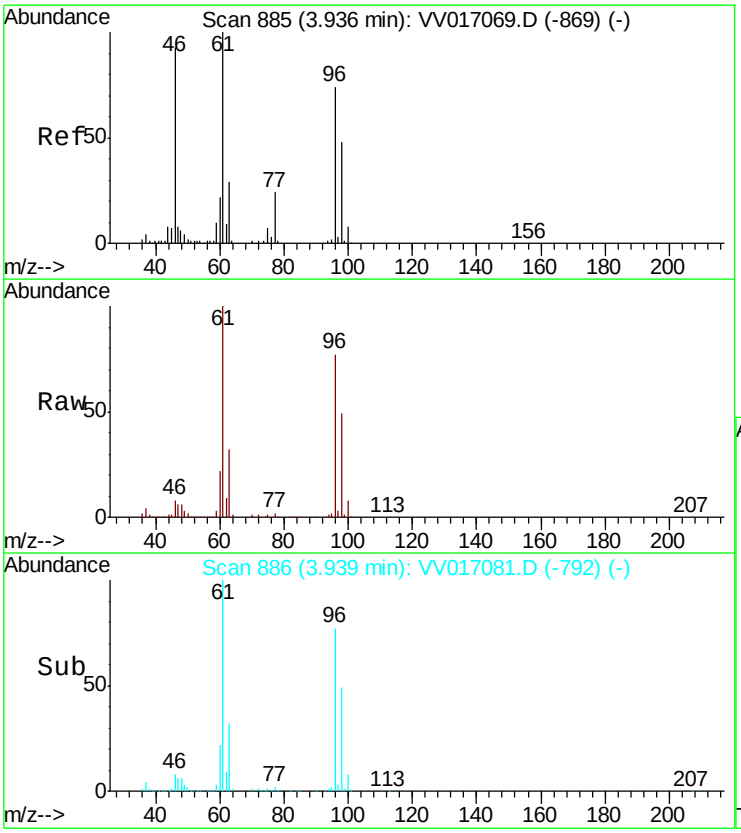
#21
2-Butanone
Concen: 318.196 ug/L
RT: 4.10 min Scan# 936
Delta R.T. 0.09 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 43 Resp: 818192

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.4	37.4#

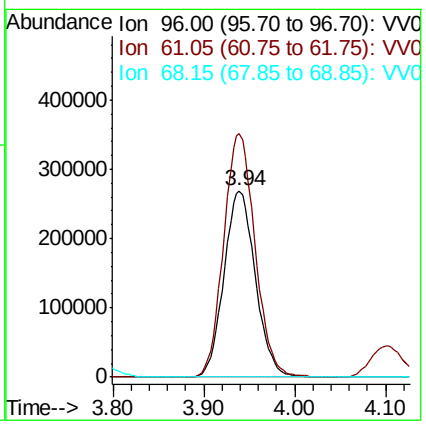


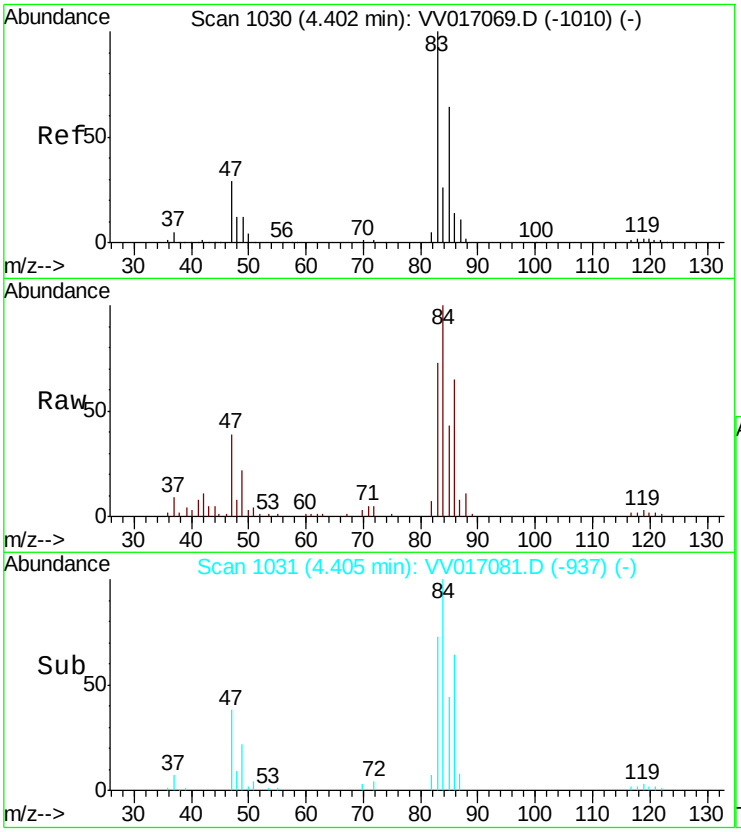


#22
cis-1,2-Dichloroethene
Concen: 52.542 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 96 Resp: 644629

Ion	Ratio	Lower	Upper
96	100		
61	130.5	91.0	169.0
68	0.0	0.0	0.0



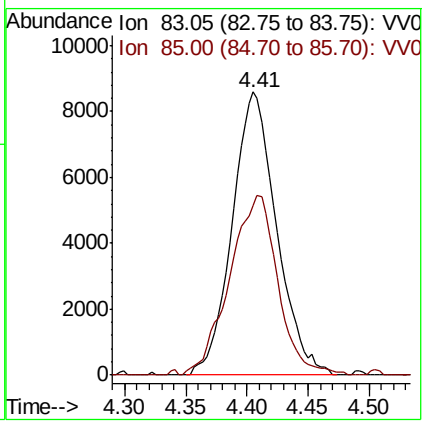


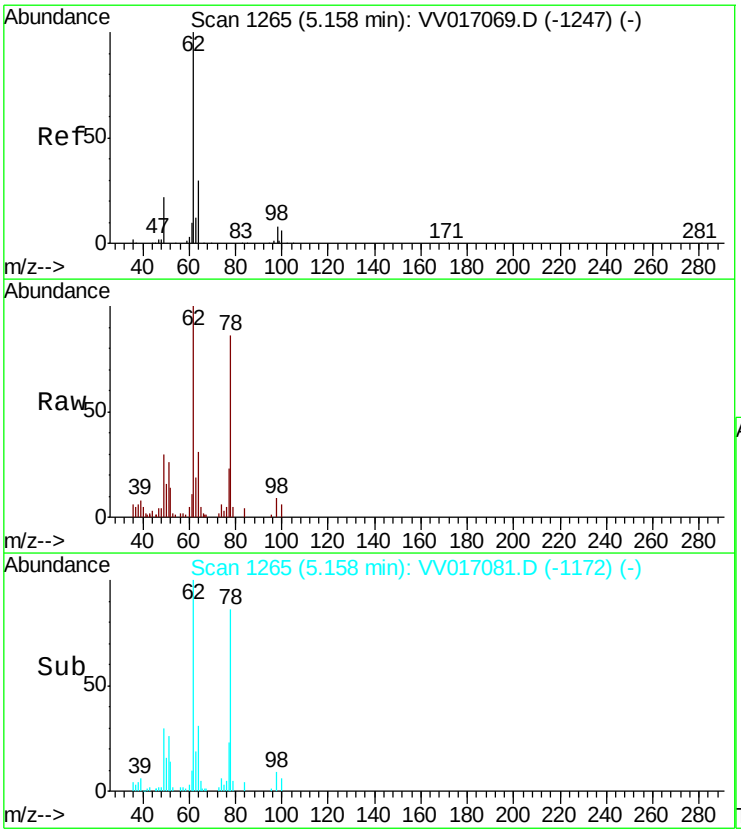
#25
Chloroform
Concen: 0.984 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 83 Resp: 21670

Ion	Ratio	Lower	Upper
83	100		
85	59.8	44.2	82.2

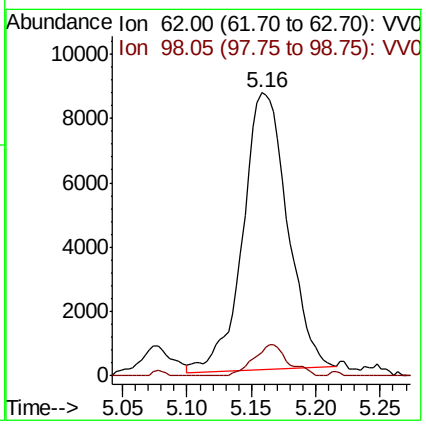


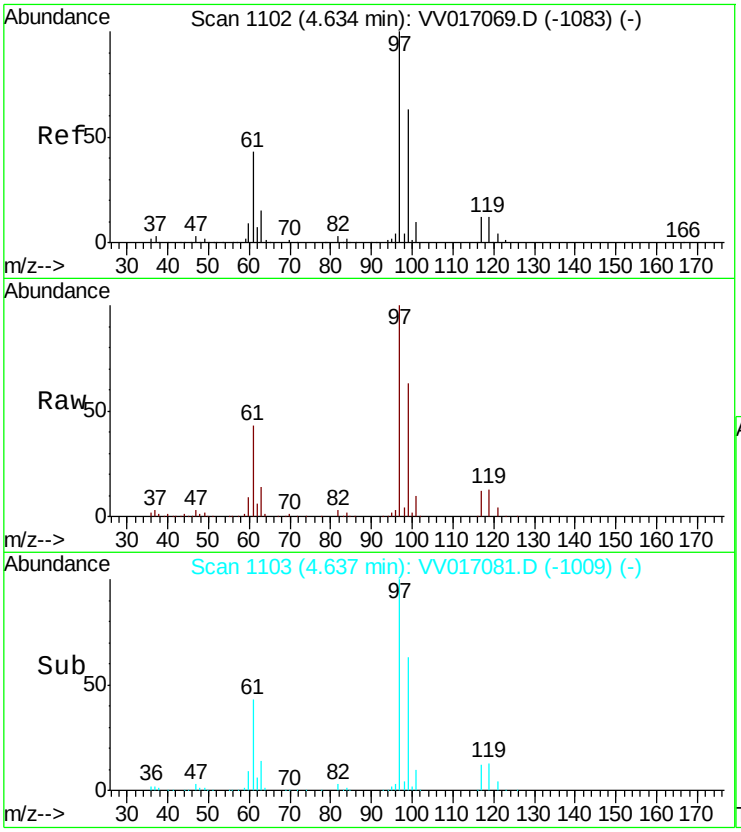


#27
1,2-Dichloroethane
Concen: 1.512 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 62 Resp: 20685

Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.7	10.1



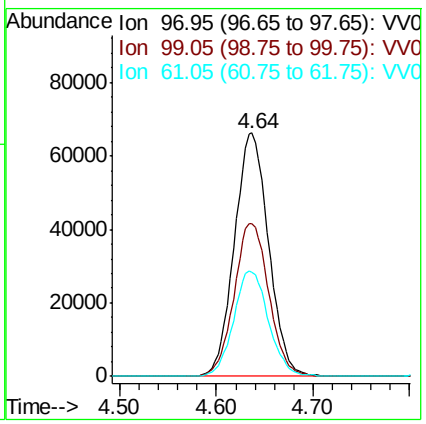


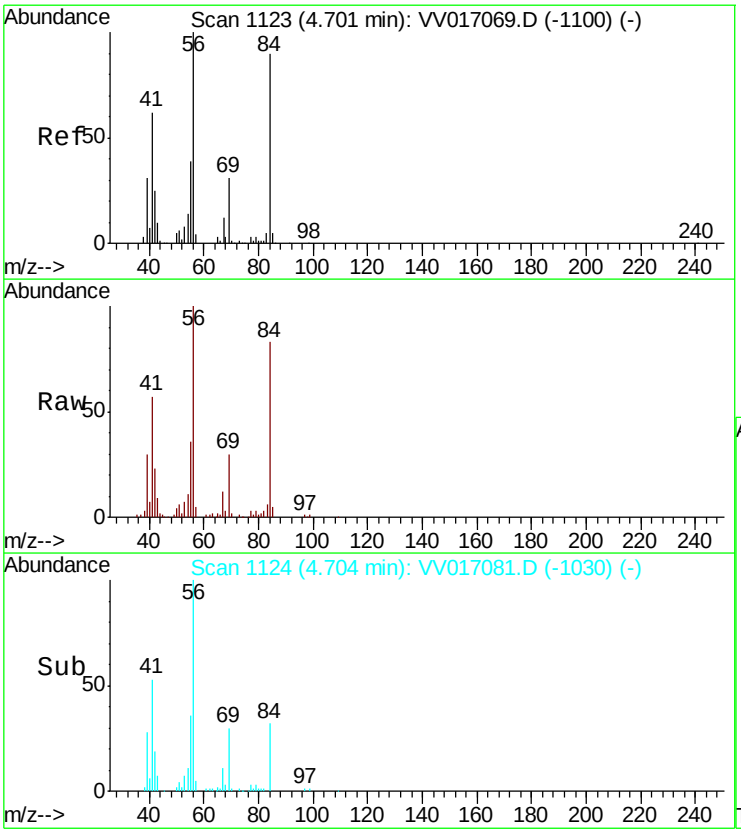
#29
1,1,1-Trichloroethane
Concen: 8.024 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 97 Resp: 162714

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.3	75.5
61	43.3	36.0	54.0

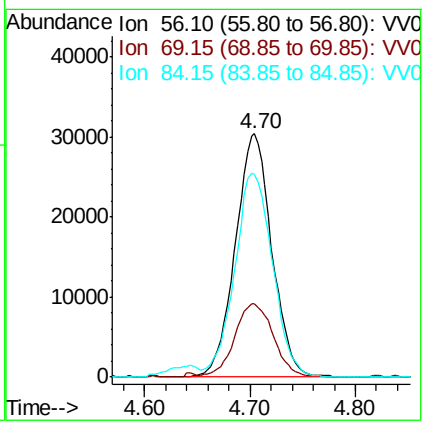


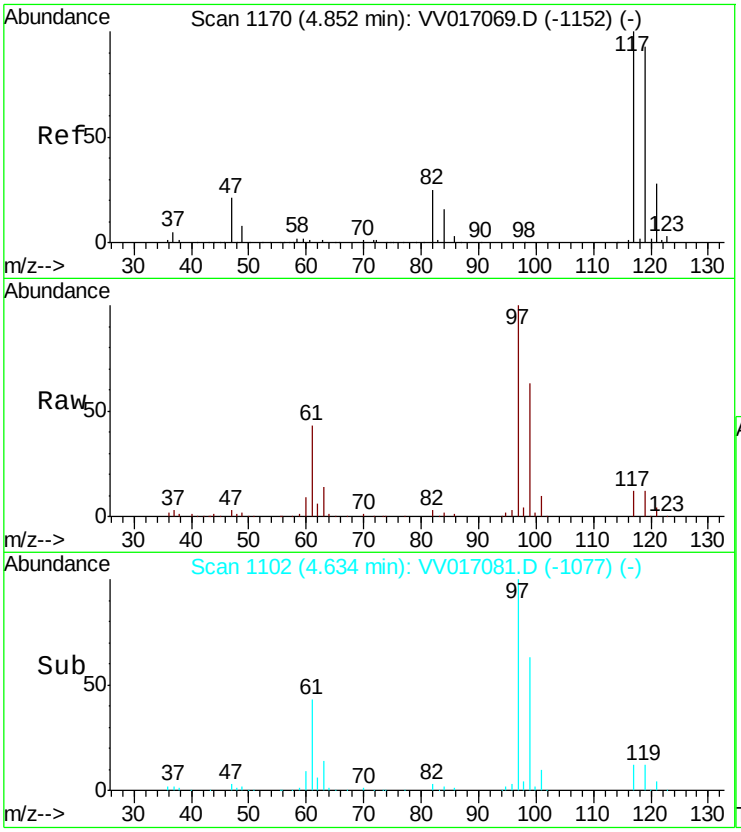


#30
Cyclohexane
Concen: 3.790 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 56 Resp: 73127

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	87.5	69.9	104.9



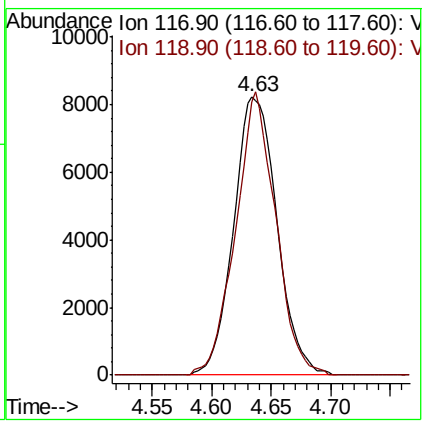


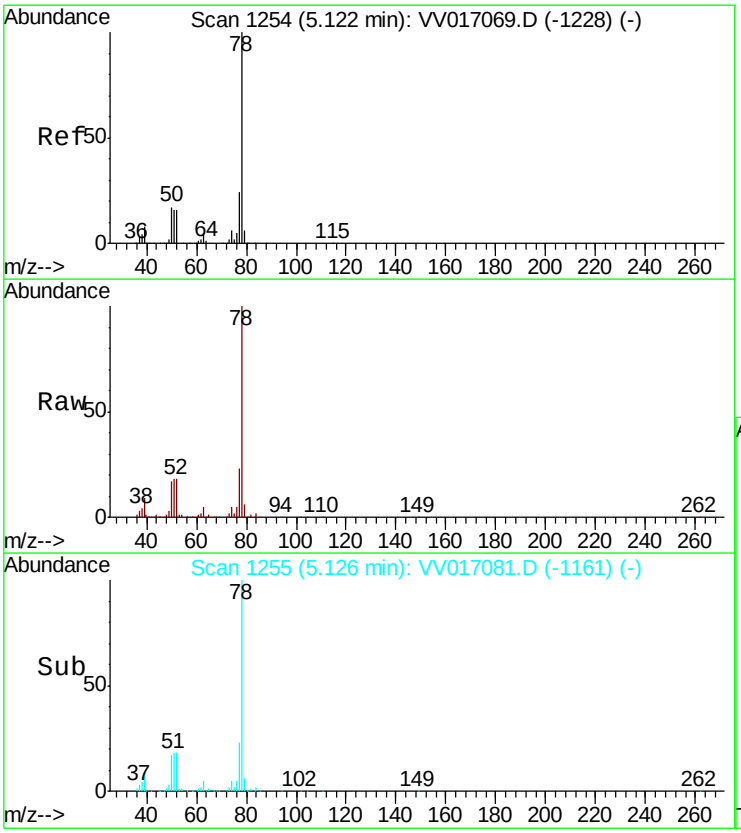
#31
Carbon tetrachloride
Concen: 1.135 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.22 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:117 Resp: 20773

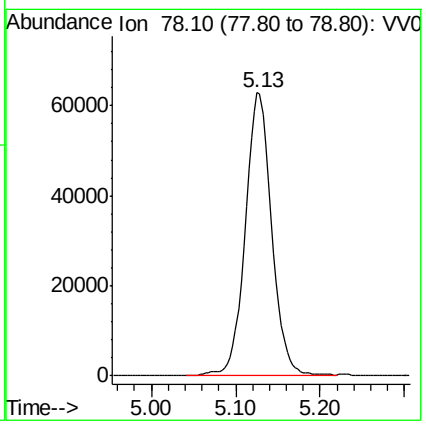
Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.8	116.8

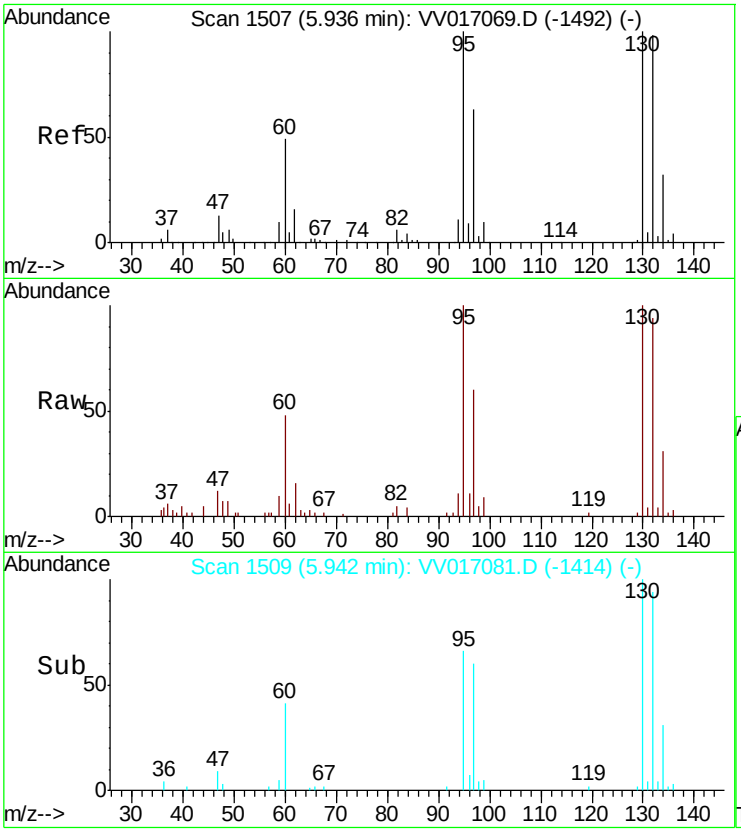




#33
Benzene
Concen: 3.090 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 78 Resp: 136976



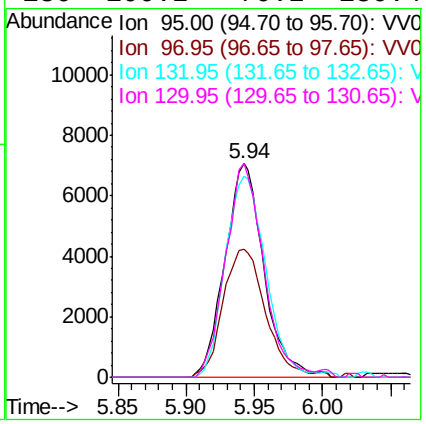


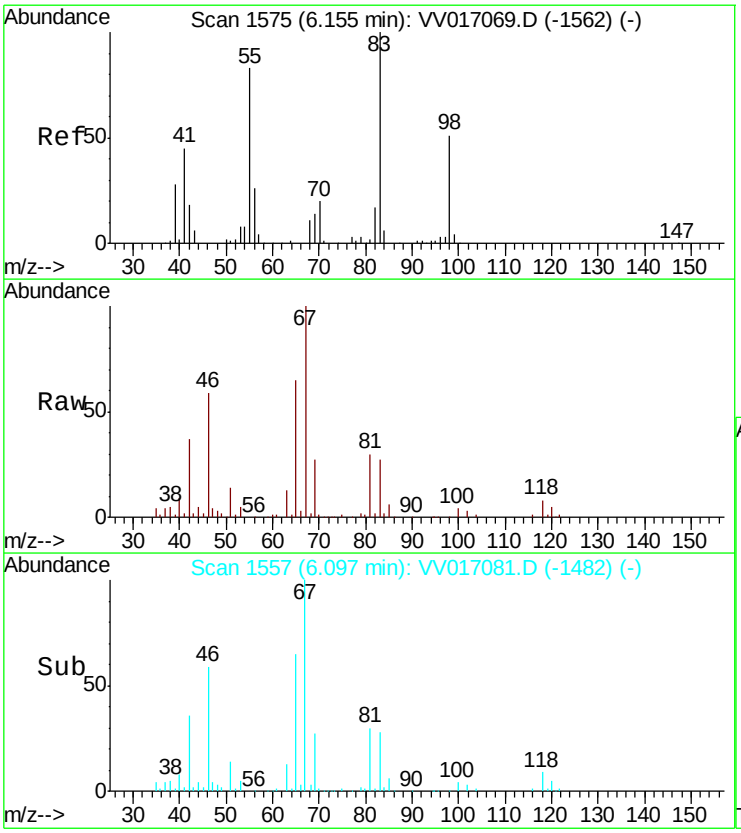
#34
Trichloroethene
Concen: 1.083 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 95 Resp: 14057

Ion	Ratio	Lower	Upper
95	100		
97	60.3	45.3	84.1
132	94.0	68.8	127.8
130	100.2	70.2	130.4

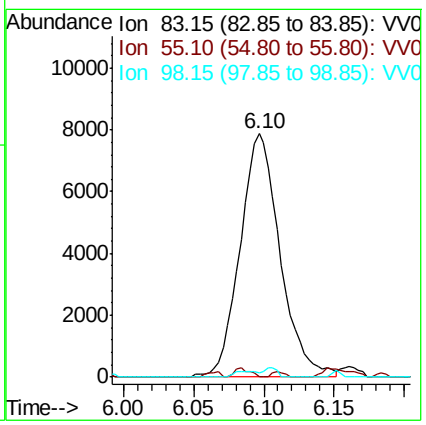


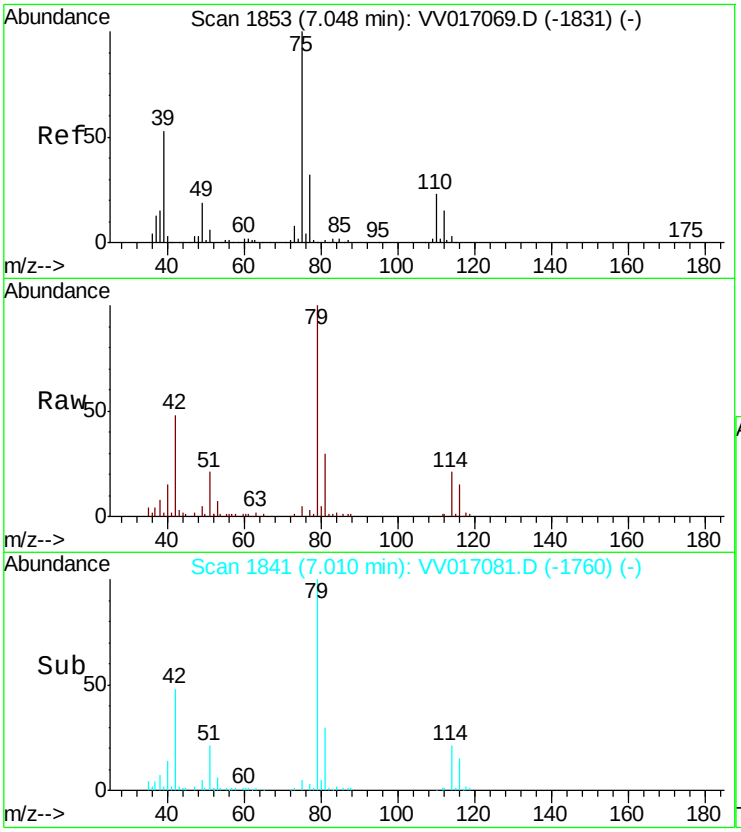


#35
Methylcyclohexane
Concen: 0.776 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 83 Resp: 15652

Ion	Ratio	Lower	Upper
83	100		
55	0.7	63.6	95.4#
98	1.3	38.8	58.2#



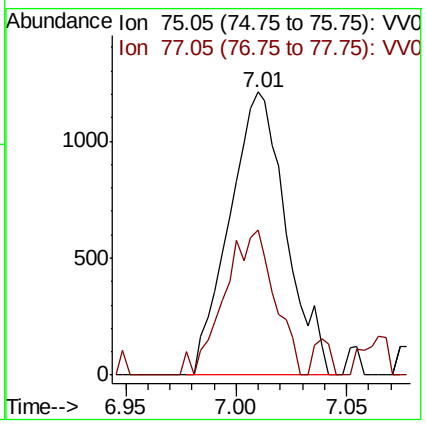


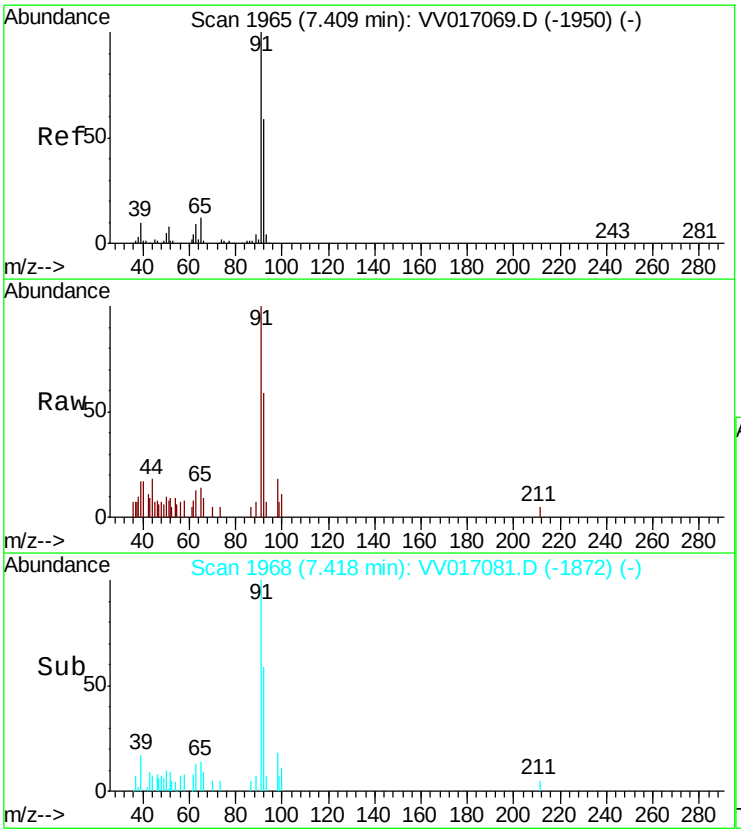
#39
cis-1,3-Dichloropropene
Concen: 0.132 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 75 Resp: 2153

Ion	Ratio	Lower	Upper
75	100		
77	51.3	22.3	41.5#

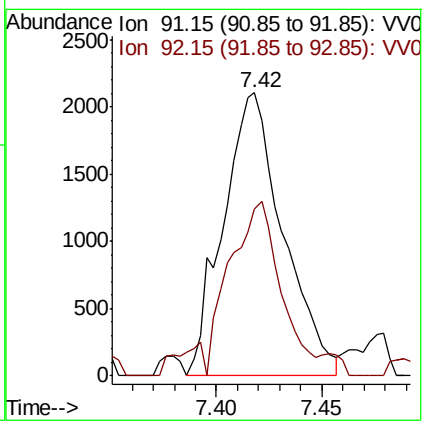


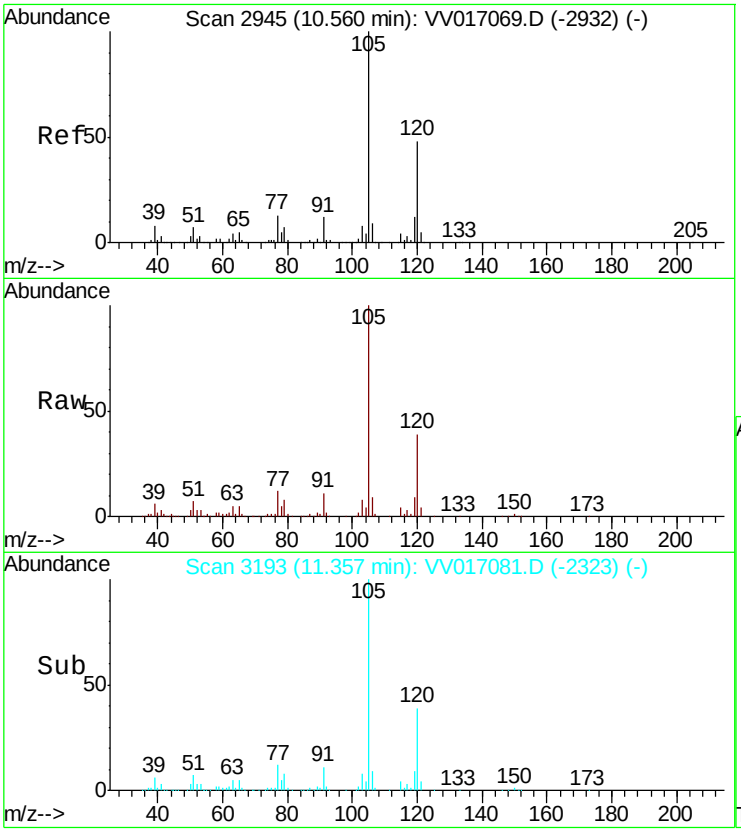


#42
Toluene
Concen: 0.081 ug/L
RT: 7.42 min Scan# 1968
Delta R.T. 0.01 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion: 91 Resp: 4153

Ion	Ratio	Lower	Upper
91	100		
92	59.2	39.9	74.1



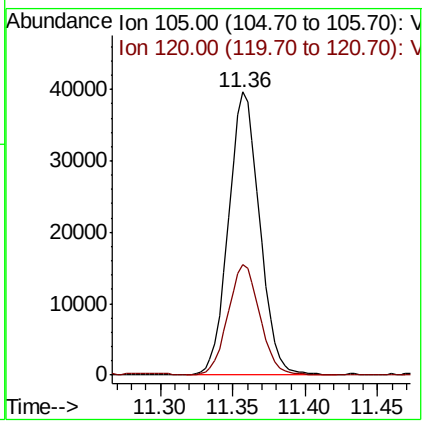


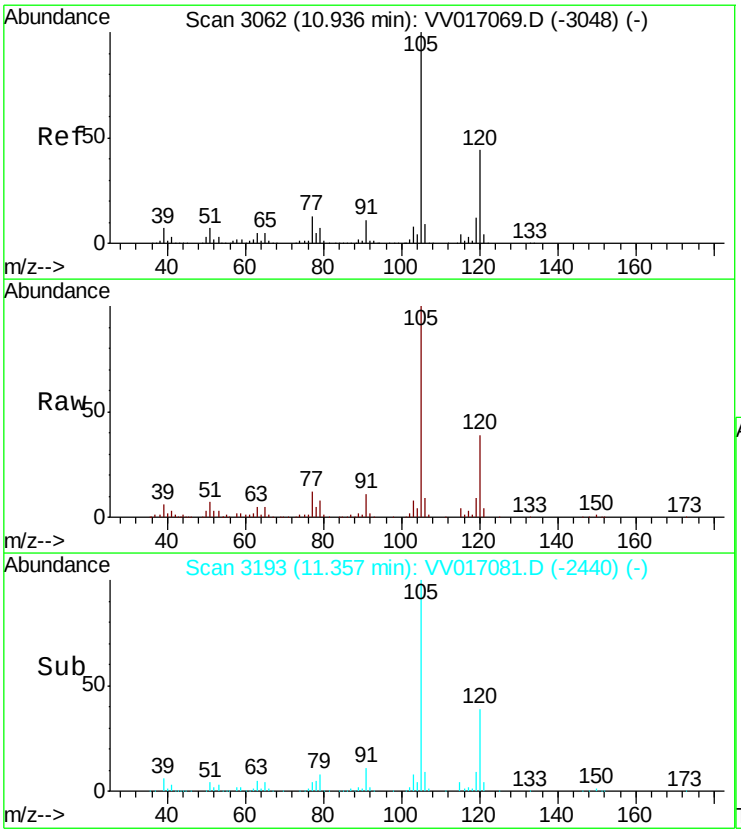
#43
1,3,5-Trimethylbenzene
Concen: 1.284 ug/L
RT: 11.36 min Scan# 3193
Delta R.T. 0.80 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:105 Resp: 59185

Ion	Ratio	Lower	Upper
105	100		
120	39.8	38.6	57.8

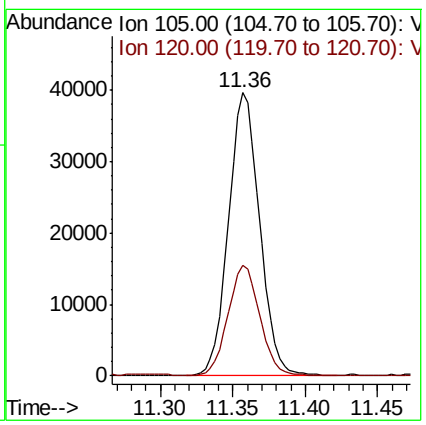


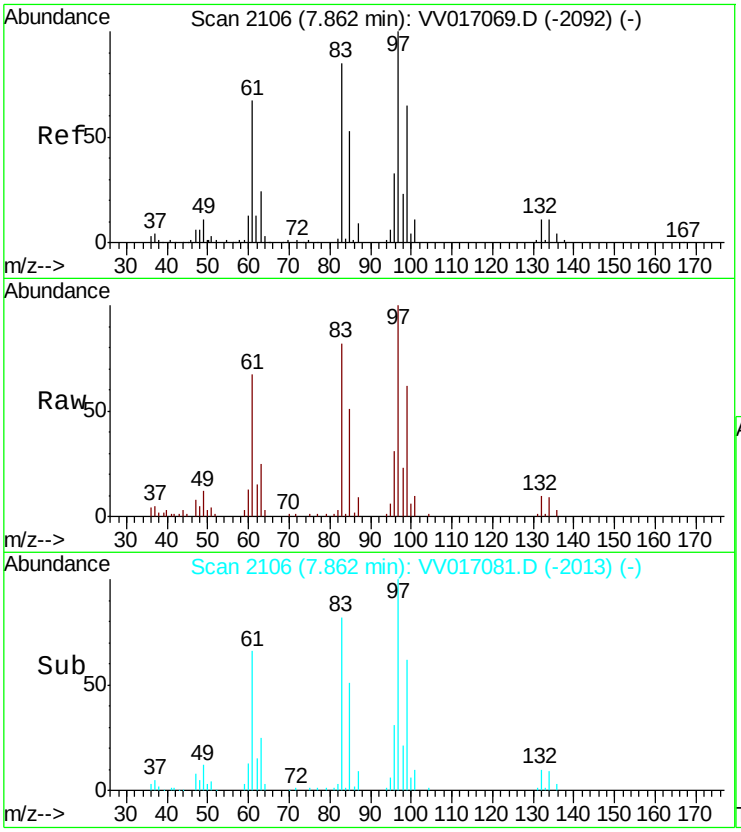


#44
1,2,4-Trimethylbenzene
Concen: 1.261 ug/L
RT: 11.36 min Scan# 3193
Delta R.T. 0.42 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion:105 Resp: 59185

Ion	Ratio	Lower	Upper
105	100		
120	39.8	35.8	53.8



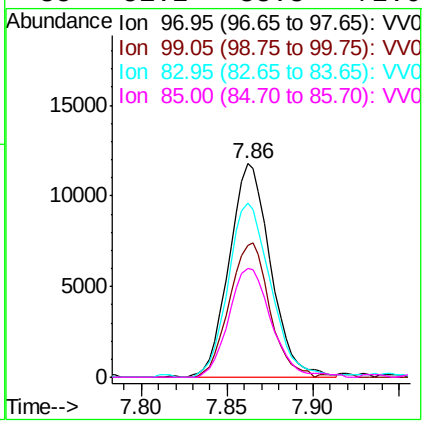


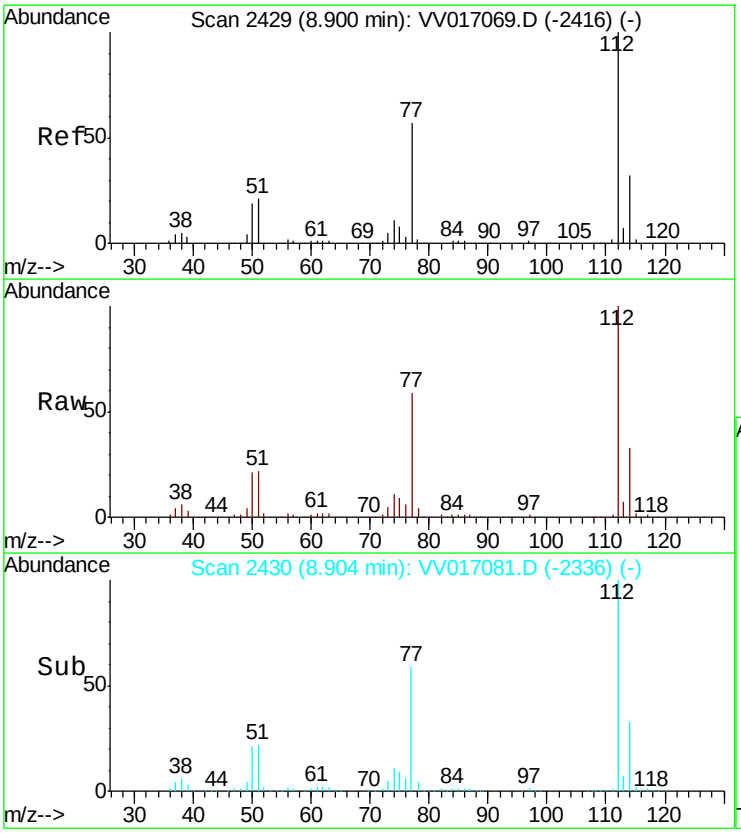
#47
1,1,2-Trichloroethane
Concen: 2.546 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion: 97 Resp: 19817

Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.6	81.0
83	81.6	57.4	106.6
85	51.2	38.8	72.0

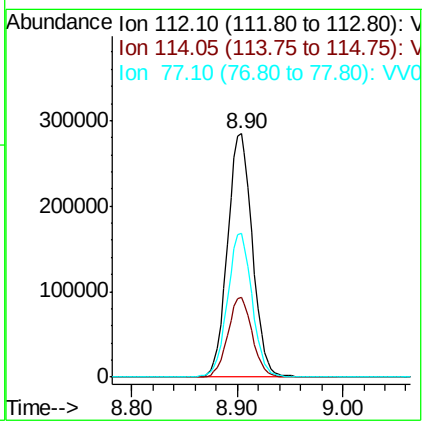


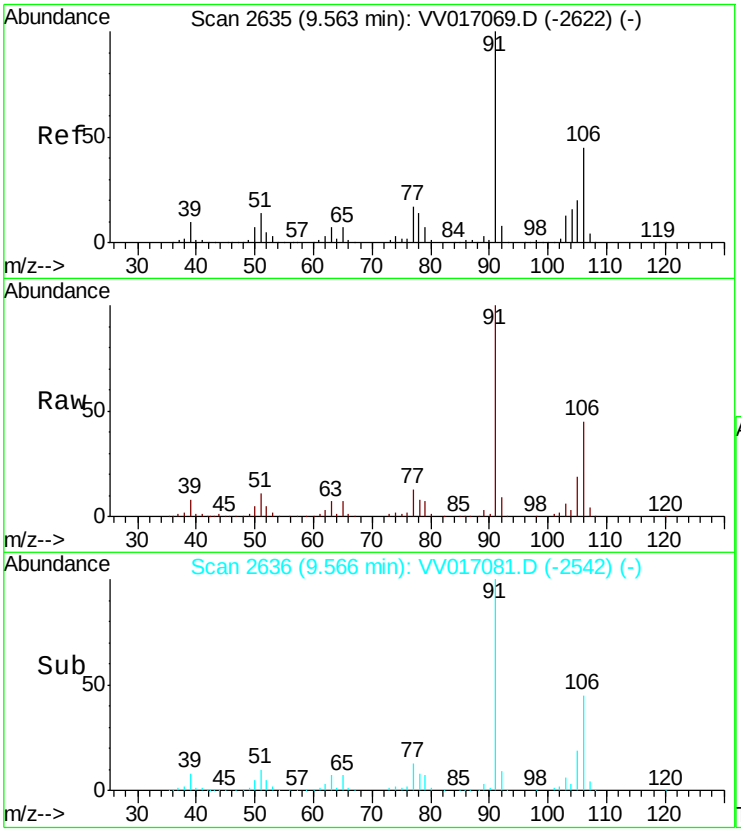


#53
Chlorobenzene
Concen: 14.436 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion:112 Resp: 463743

Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.0	41.0
77	58.8	46.0	69.0



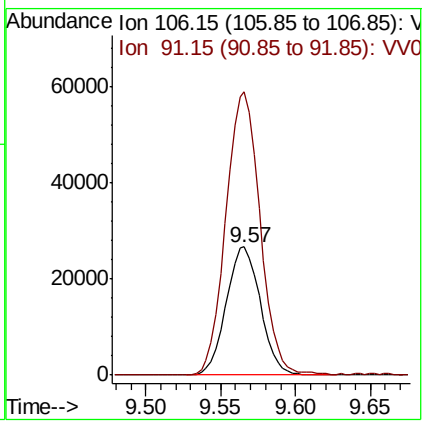


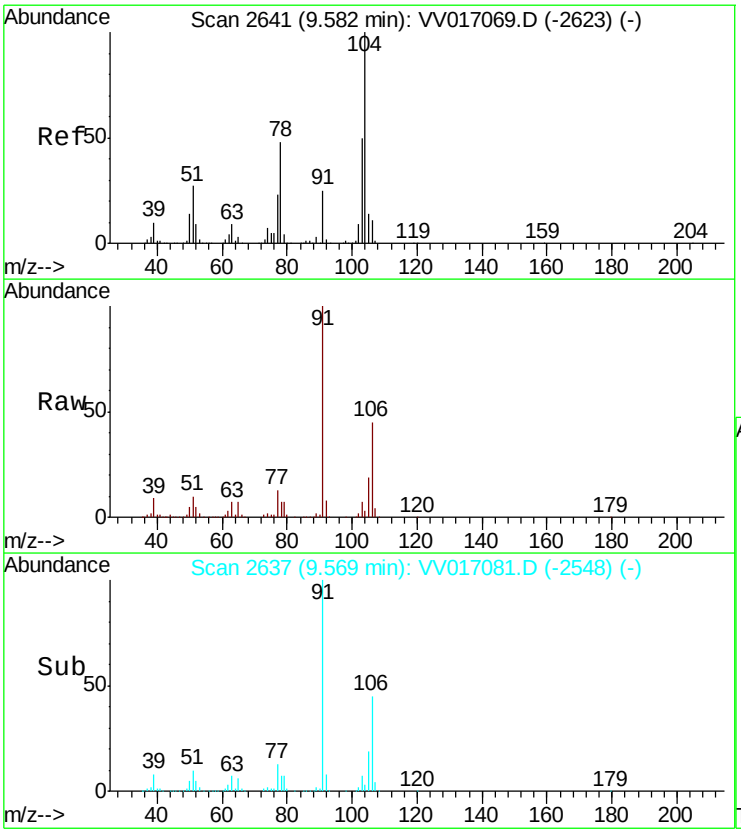
#56
o-xylene
Concen: 2.118 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:106 Resp: 42635

Ion	Ratio	Lower	Upper
106	100		
91	221.0	153.6	285.2

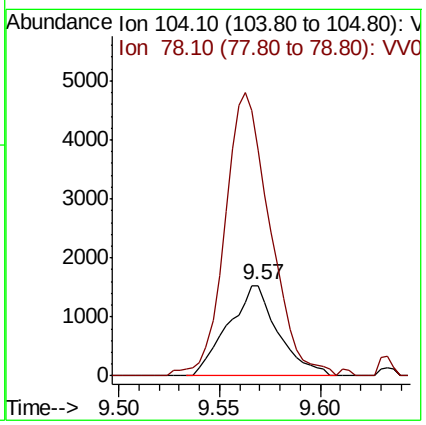


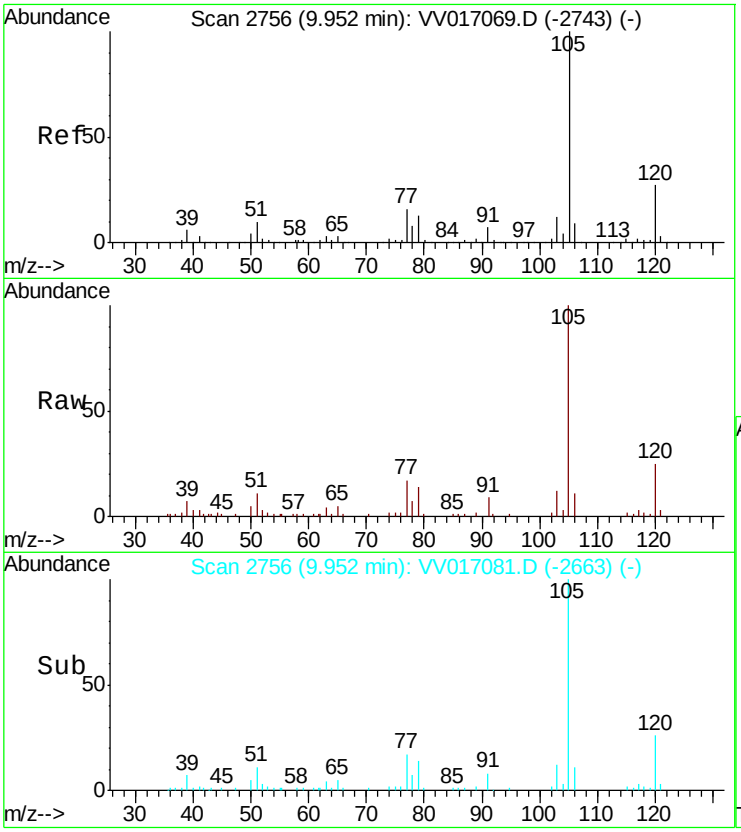


#57
Styrene
Concen: 0.079 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion:104 Resp: 2640

Ion	Ratio	Lower	Upper
104	100		
78	248.9	33.9	62.9#



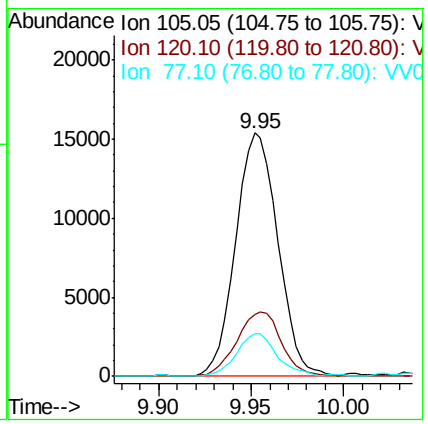


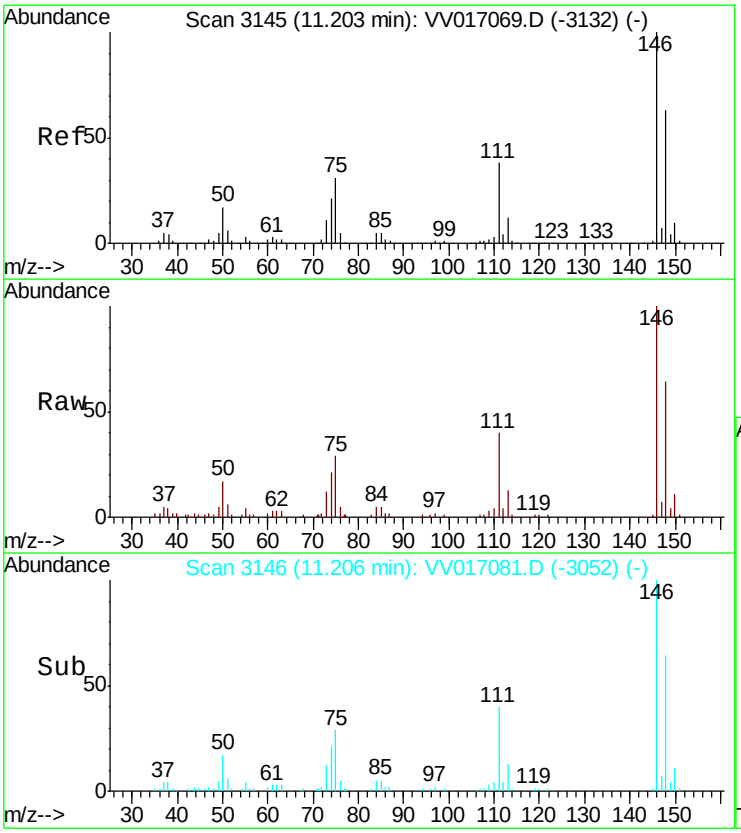
#58
Isopropylbenzene
Concen: 0.440 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument : MSVOA_V
ClientSampleId : BFXK8

Tgt Ion:105 Resp: 24390

Ion	Ratio	Lower	Upper
105	100		
120	27.9	21.2	31.8
77	16.7	13.0	19.4

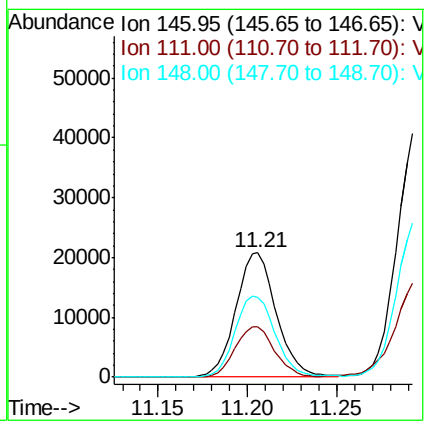


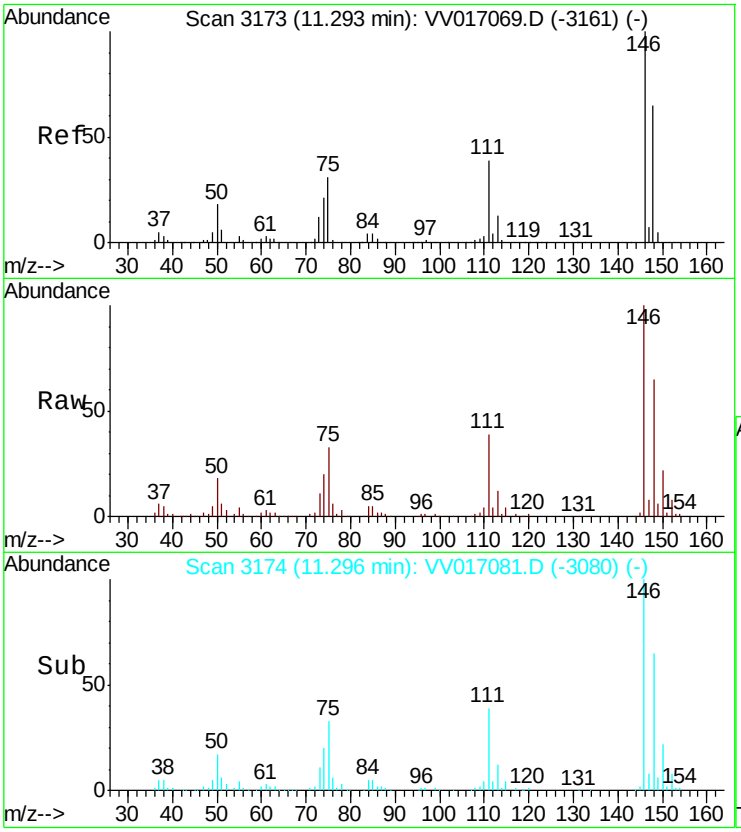


#63
1,3-Dichlorobenzene
Concen: 1.315 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion:146 Resp: 32944

Ion	Ratio	Lower	Upper
146	100		
111	40.2	29.2	54.2
148	64.2	44.9	83.5



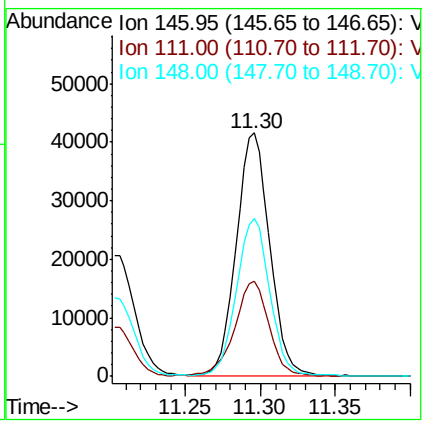


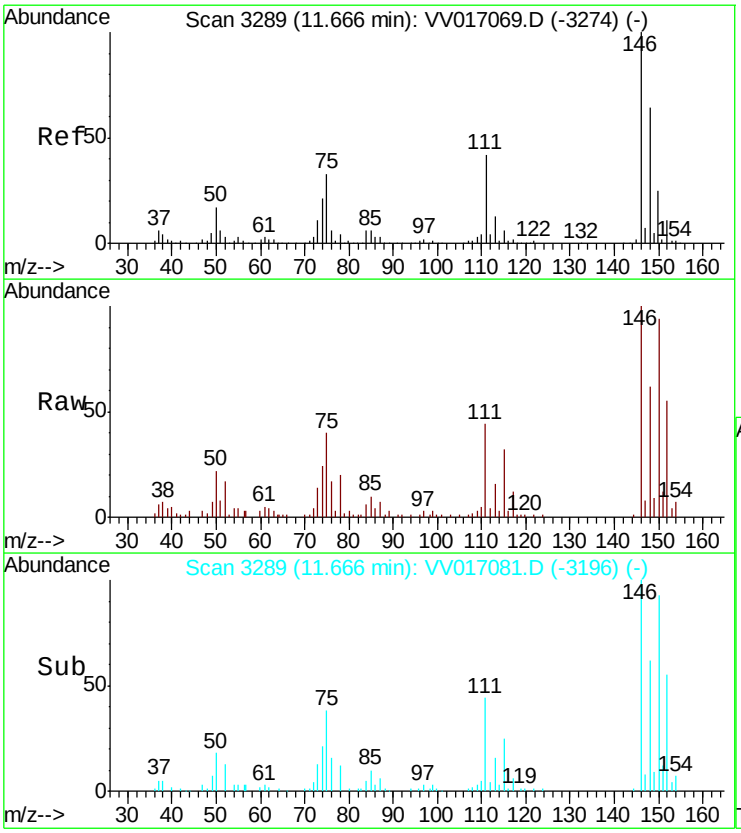
#64
1,4-Dichlorobenzene
Concen: 2.551 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:146 Resp: 64932

Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.4	50.8
148	65.0	44.3	82.3

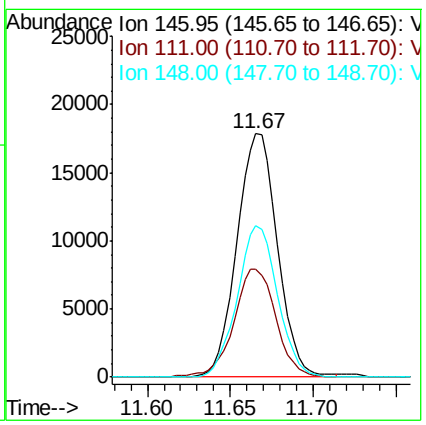


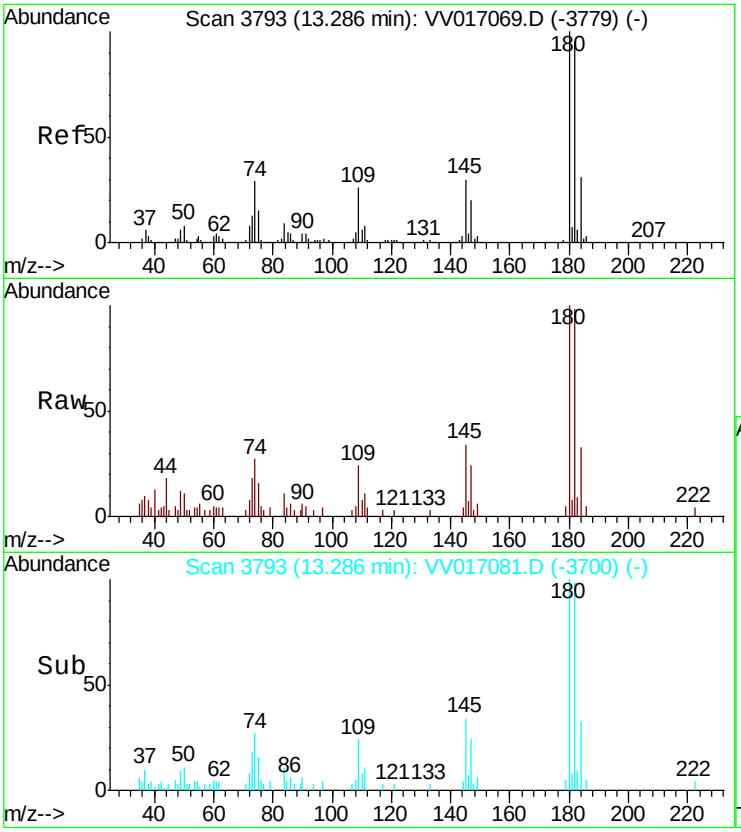


#66
1,2-Dichlorobenzene
Concen: 1.334 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion:146 Resp: 30309

Ion	Ratio	Lower	Upper
146	100		
111	44.2	34.4	51.6
148	62.2	49.9	74.9



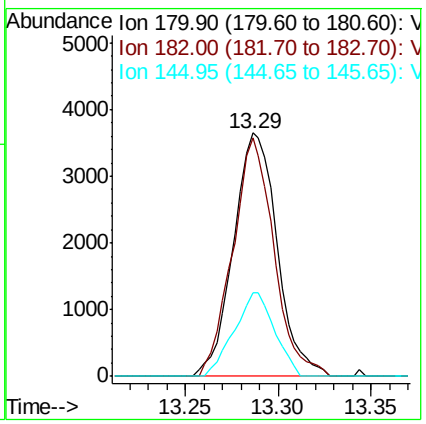


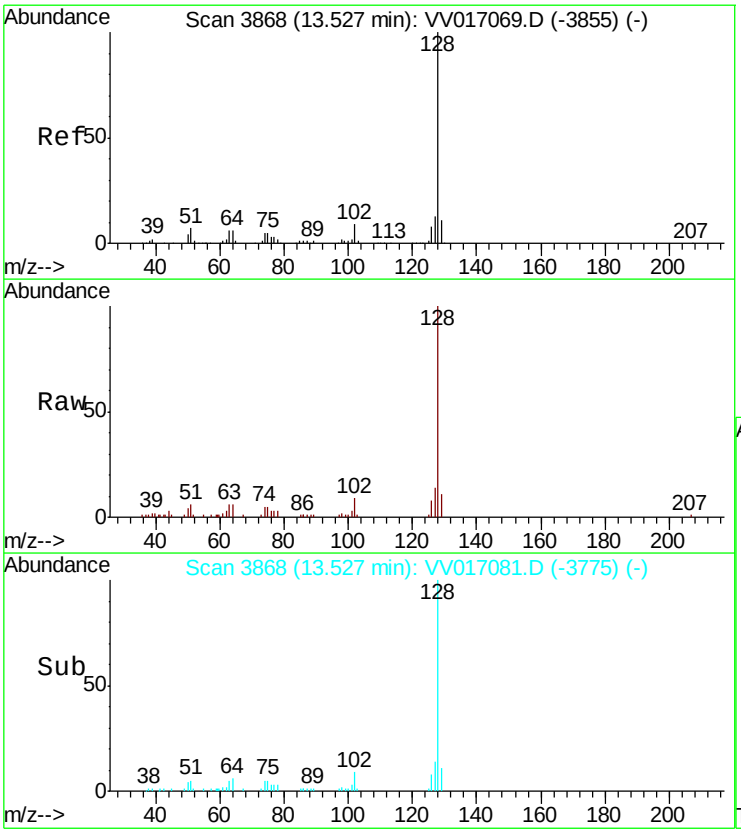
#69
1,2,4-trichlorobenzene
Concen: 0.360 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:180 Resp: 5968

Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.6	114.8
145	31.7	25.0	37.6

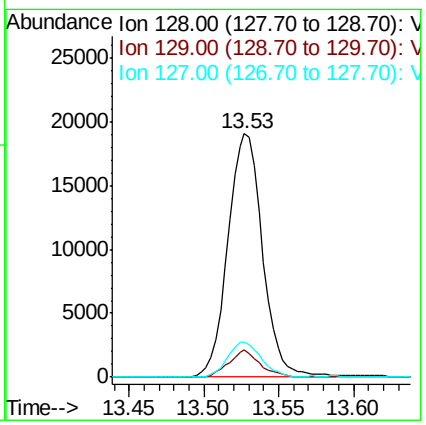


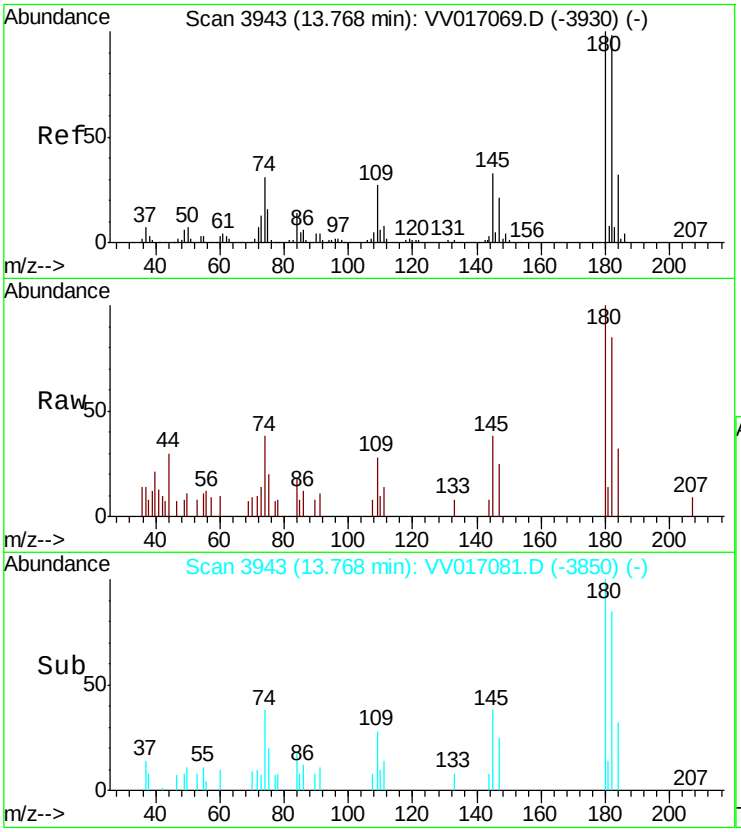


#70
Naphthalene
Concen: 1.315 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Tgt Ion:128 Resp: 30746

Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.8	13.2
127	13.8	10.5	15.7





#71
1,2,3-Trichlorobenzene
Concen: 0.154 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV017081.D
Acq: 24 Jun 2020 19:05

Instrument :
MSVOA_V
ClientSampleId :
BFXK8

Tgt Ion:180 Resp: 2082

Ion	Ratio	Lower	Upper
180	100		
182	92.6	77.4	116.0
145	38.3	25.9	38.9