Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081018\
Data File : VV006991.D
Acq On : 10 Aug 2018 18:41
Operator : SY/MD
Sample : MDL02
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL02

Quant Time: Aug 11 00:21:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 11 00:19:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	246150	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.90	117	235609	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	96738	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.32	65	67313	4.24	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 84.80%				
7) Chloroethane-d5	1.58	69	61753	4.58	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.60%				
11) 1,1-Dichloroethene-d2	2.13	63	91040	3.05	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 61.00%				
20) 2-Butanone-d5	3.97	46	226897	49.66	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 99.32%				
24) Chloroform-d	4.41	84	153943	4.78	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.60%				
26) 1,2-Dichloroethane-d4	5.09	65	78729	4.84	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.80%				
32) Benzene-d6	5.10	84	282510	4.67	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.40%				
36) 1,2-Dichloropropane-d6	6.12	67	100603	4.86	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.20%				
41) Toluene-d8	7.36	98	209688	4.07	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.40%				
43) trans-1,3-Dichloropropene-	7.67	79	29673	4.12	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 82.40%				
46) 2-Hexanone-d5	8.15	63	119159	40.48	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 80.96%				
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74089	4.59	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 91.80%				
64) 1,2-Dichlorobenzene-d4	11.68	152	78885	4.69	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.80%				
Target Compounds							Qvalue
3) Chloromethane	1.25	50	5122	0.222	ug/L		92
5) Vinyl chloride	1.32	62	5140	0.216	ug/L	#	74
6) Bromomethane	1.53	94	1280	0.247	ug/L		91
9) Trichlorofluoromethane	1.77	101	6123	0.202	ug/L		97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4468	0.245	ug/L		87
12) 1,1-Dichloroethene	2.14	96	4615	0.261	ug/L	#	1
13) Acetone	2.20	43	6278	2.668	ug/L		95
14) Carbon disulfide	2.32	76	11820	0.203	ug/L	#	83
15) Methyl Acetate	2.47	43	1713	0.259	ug/L	#	72
16) Methylene chloride	2.54	84	6069	0.285	ug/L		96
17) Methyl tert-butyl Ether	2.82	73	8709	0.205	ug/L	#	87
18) trans-1,2-Dichloroethene	2.79	96	4404	0.233	ug/L		90
19) 1,1-Dichloroethane	3.23	63	6891	0.202	ug/L		90
21) 2-Butanone	4.06	43	11632	2.277	ug/L	#	68
22) cis-1,2-Dichloroethene	3.96	96	4723	0.220	ug/L		88
25) Chloroform	4.44	83	8607	0.230	ug/L		96
27) 1,2-Dichloroethane	5.19	62	4886	0.210	ug/L	#	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081018\
Data File : VV006991.D
Acq On : 10 Aug 2018 18:41
Operator : SY/MD
Sample : MDL02
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL02

Quant Time: Aug 11 00:21:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 11 00:19:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Carbon tetrachloride	4.88	117	5341	0.203	ug/L		96
40) 4-Methyl-2-pentanone	7.29	43	18344	1.520	ug/L	#	89
45) 1,1,2-Trichloroethane	7.89	97	2959	0.204	ug/L		98
47) Tetrachloroethene	8.02	164	3241	0.204	ug/L		96
48) 2-Hexanone	8.20	43	30271	3.556	ug/L		96
49) Dibromochloromethane	8.29	129	3174	0.208	ug/L		92
61) Bromoform	9.78	173	1485	0.203	ug/L		96
62) 1,3-Dichlorobenzene	11.24	146	6404	0.205	ug/L		96
63) 1,4-Dichlorobenzene	11.33	146	6422	0.200	ug/L		93
65) 1,2-Dichlorobenzene	11.70	146	6238	0.203	ug/L		95

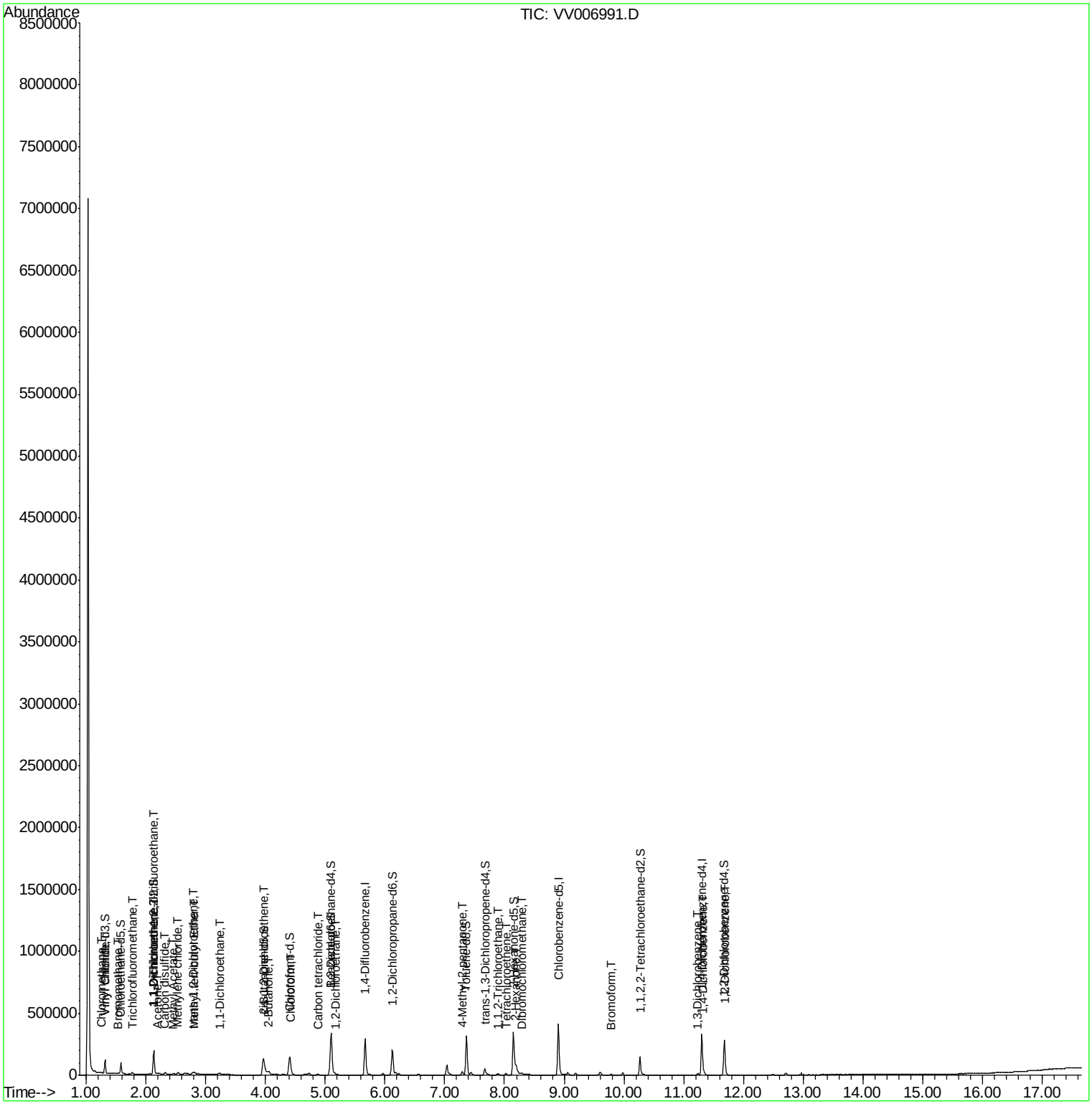
(#) = qualifier out of range (m) = manual integration (+) = signals summed

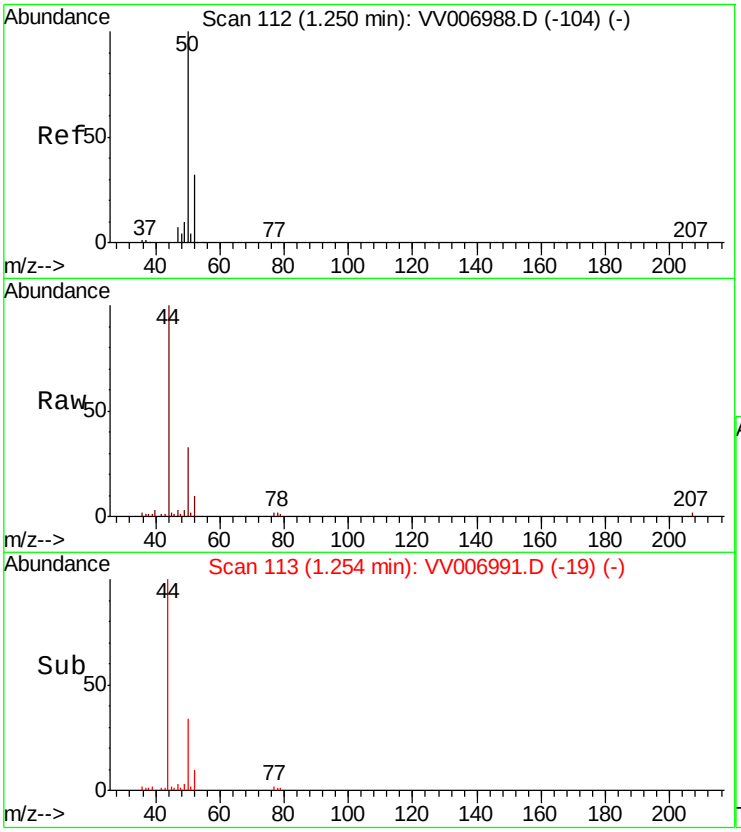
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081018\
Data File : VV006991.D
Acq On : 10 Aug 2018 18:41
Operator : SY/MD
Sample : MDL02
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL02

Quant Time: Aug 11 00:21:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 11 00:19:35 2018
Response via : Initial Calibration



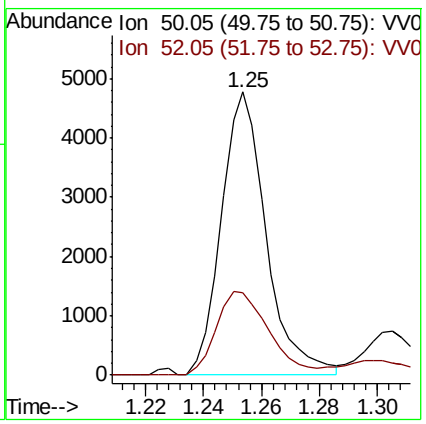


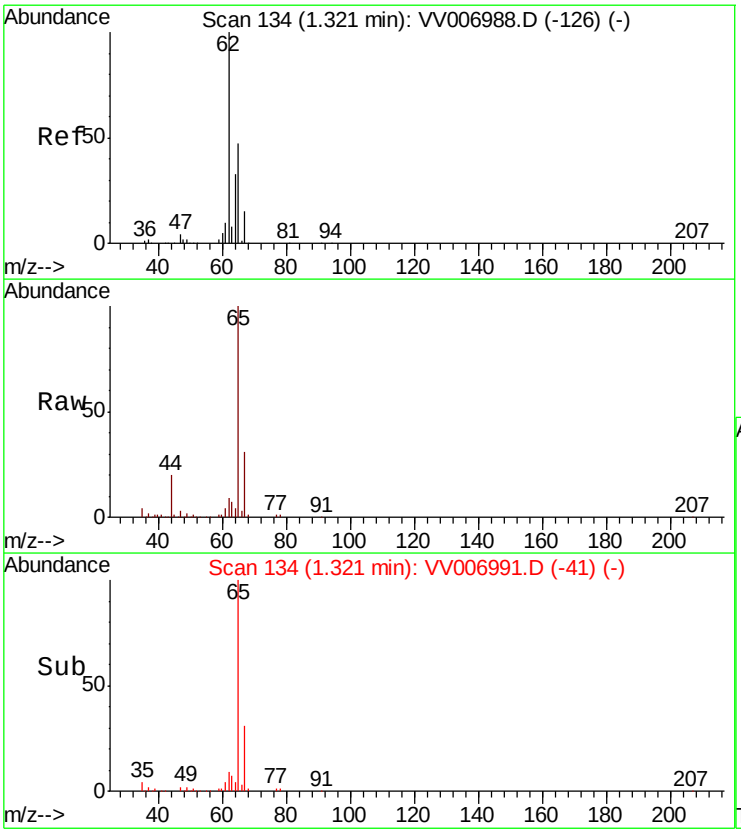
#3
Chloromethane
Concen: 0.222 ug/L
RT: 1.25 min Scan# 113
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 50 Resp: 5122

Ion	Ratio	Lower	Upper
50	100		
52	29.2	23.6	43.8

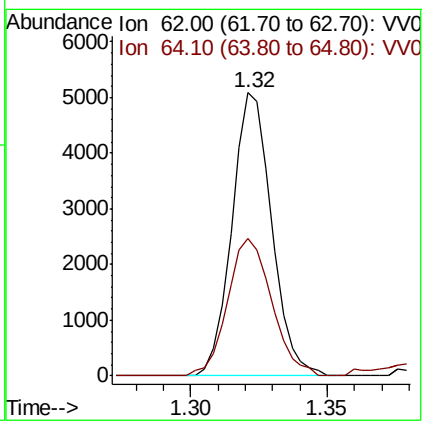


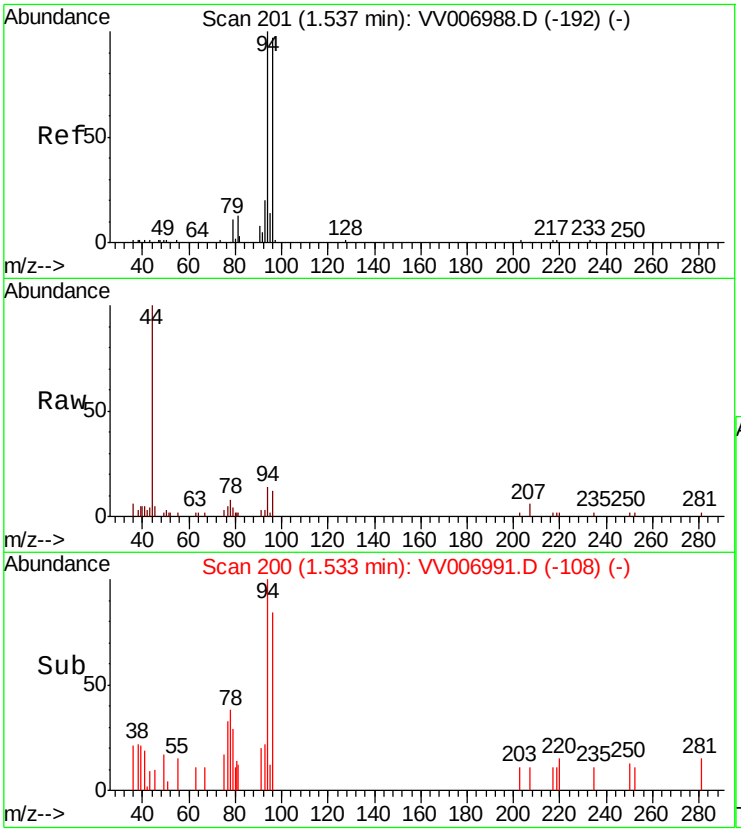


#5
Vinyl chloride
Concen: 0.216 ug/L
RT: 1.32 min Scan# 134
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 62 Resp: 5140

Ion	Ratio	Lower	Upper
62	100		
64	48.6	23.5	43.7#



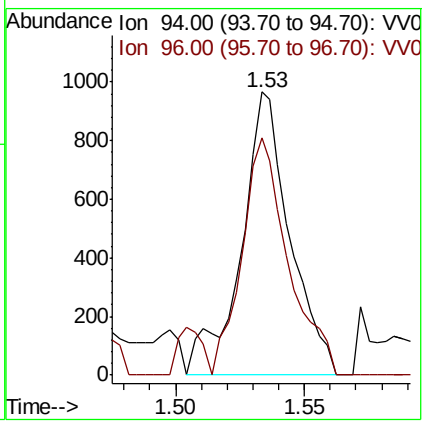


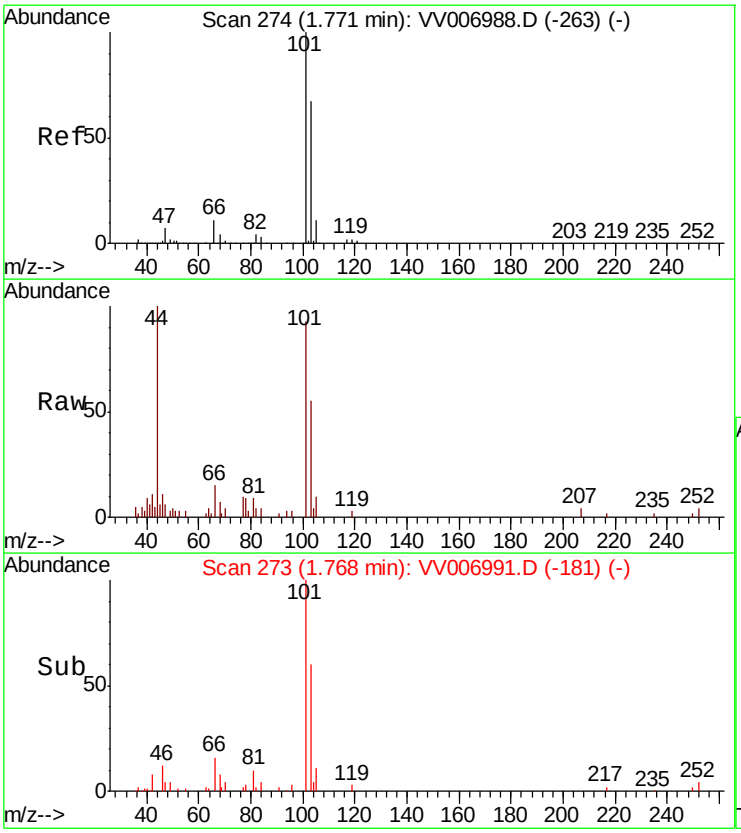
#6
Bromomethane
Concen: 0.247 ug/L
RT: 1.53 min Scan# 200
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 94 Resp: 1280

Ion	Ratio	Lower	Upper
94	100		
96	83.9	65.0	120.6

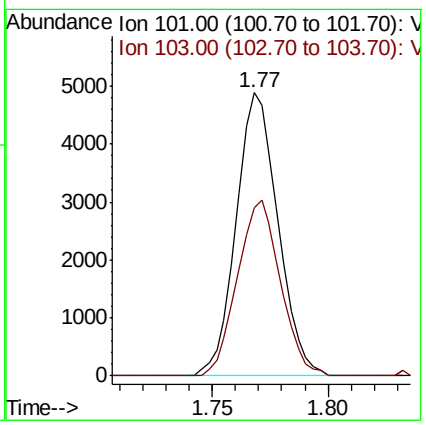


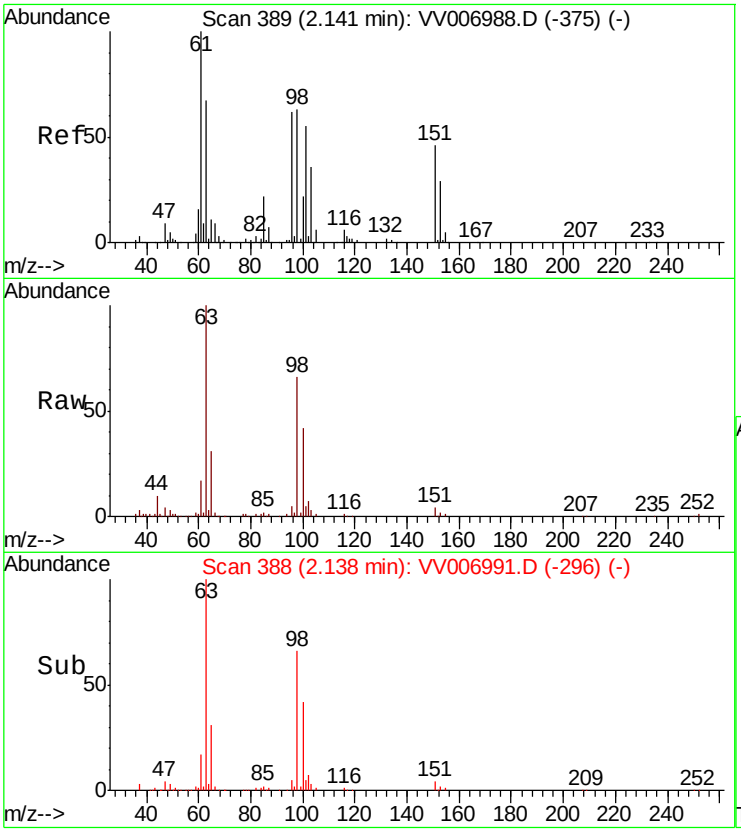


#9
Trichlorofluoromethane
Concen: 0.202 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion:101 Resp: 6123

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.7	79.1



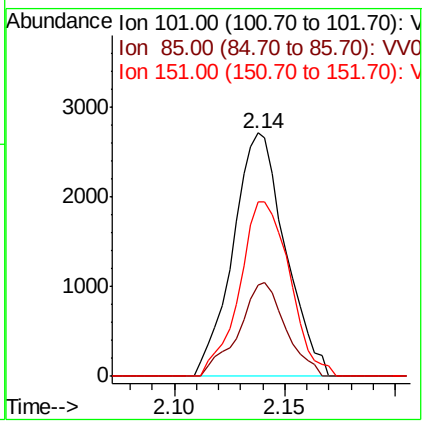


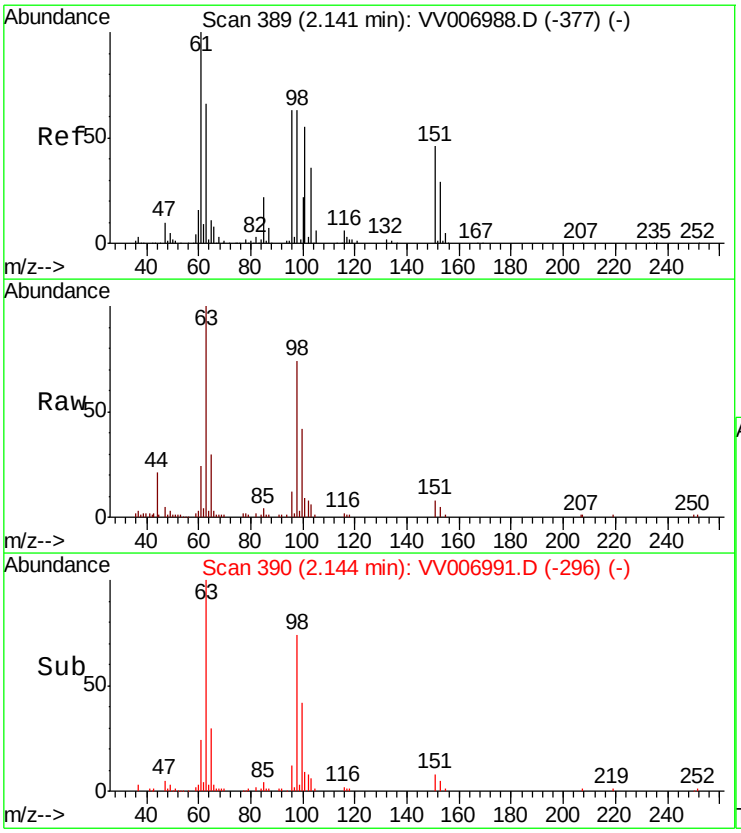
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.245 ug/L
RT: 2.14 min Scan# 388
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion:101 Resp: 4468

Ion	Ratio	Lower	Upper
101	100		
85	34.5	33.9	50.9
151	69.0	64.1	96.1

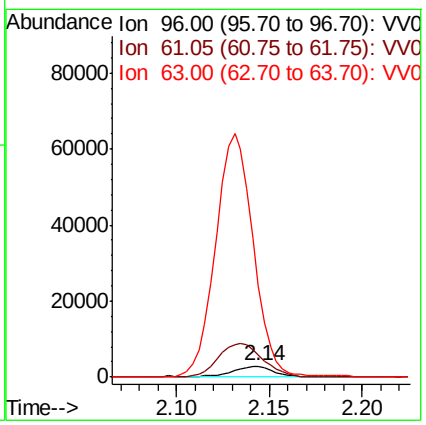


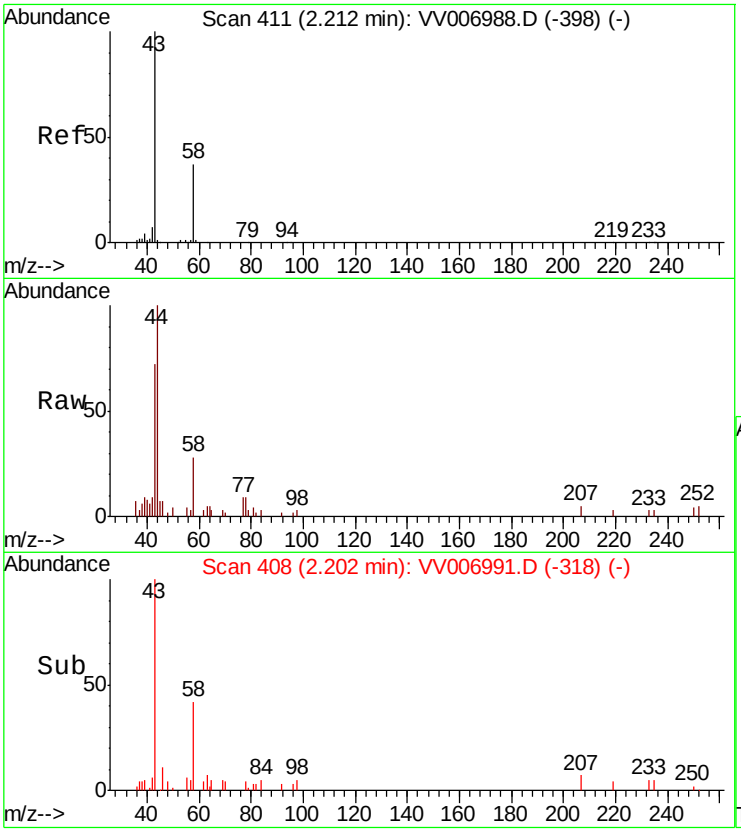


#12
1,1-Dichloroethene
Concen: 0.261 ug/L
RT: 2.14 min Scan# 390
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 96 Resp: 4615

Ion	Ratio	Lower	Upper
96	100		
61	200.7	111.6	207.4
63	843.5	84.9	157.7#



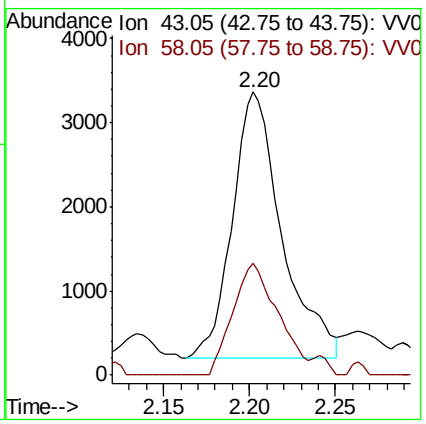


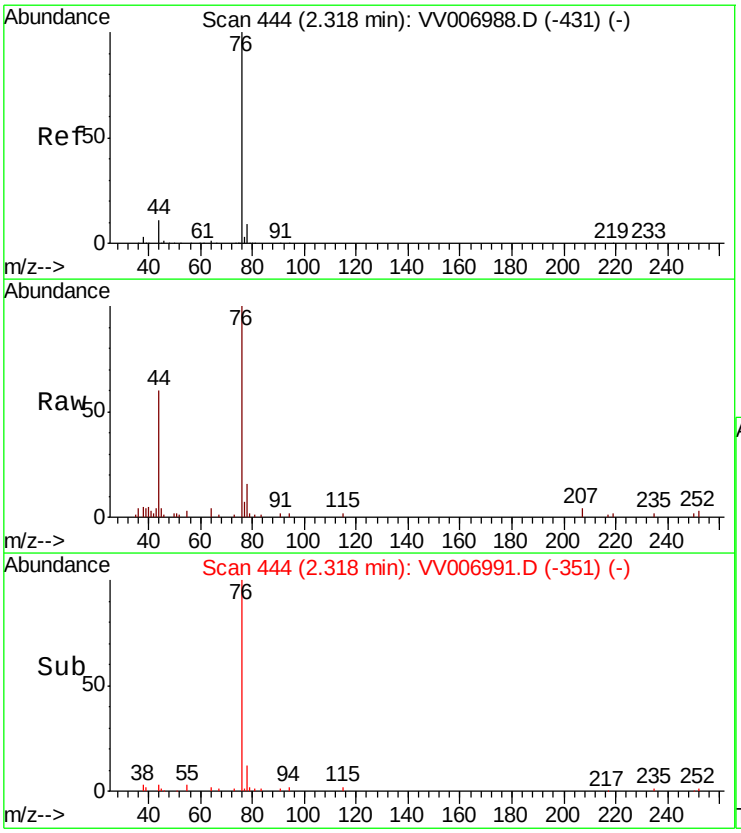
#13
Acetone
Concen: 2.668 ug/L
RT: 2.20 min Scan# 408
Delta R.T. -0.01 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 6278

Ion	Ratio	Lower	Upper
43	100		
58	38.6	0.0	71.4

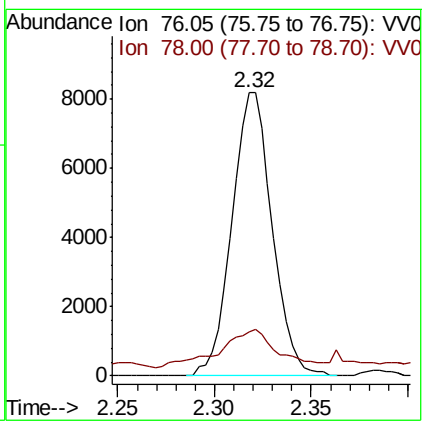


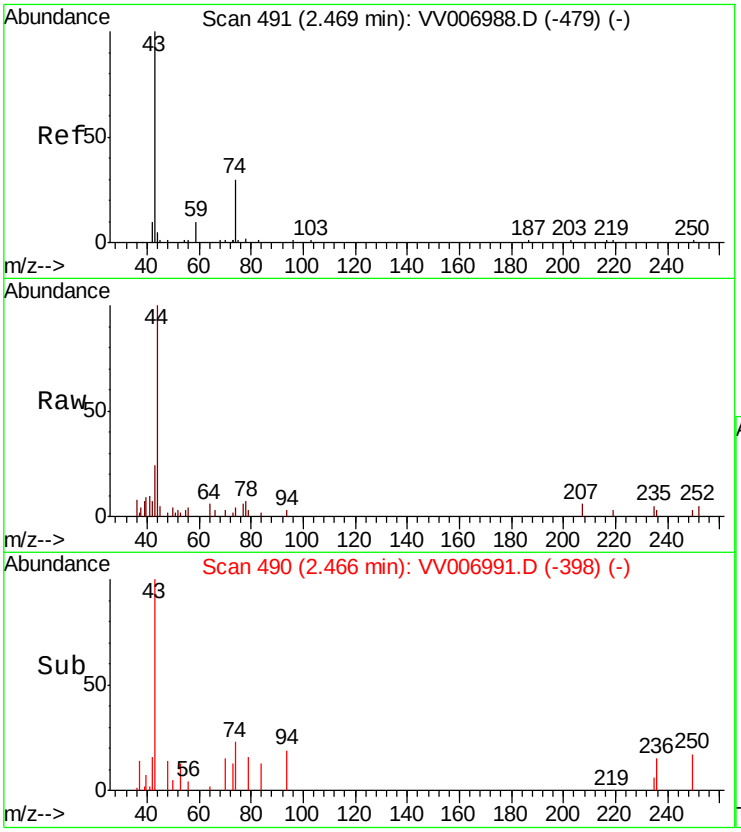


#14
Carbon disulfide
Concen: 0.203 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 76 Resp: 11820

Ion	Ratio	Lower	Upper
76	100		
78	15.6	7.6	11.4#



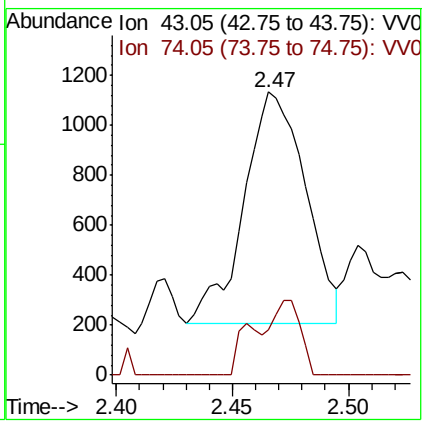


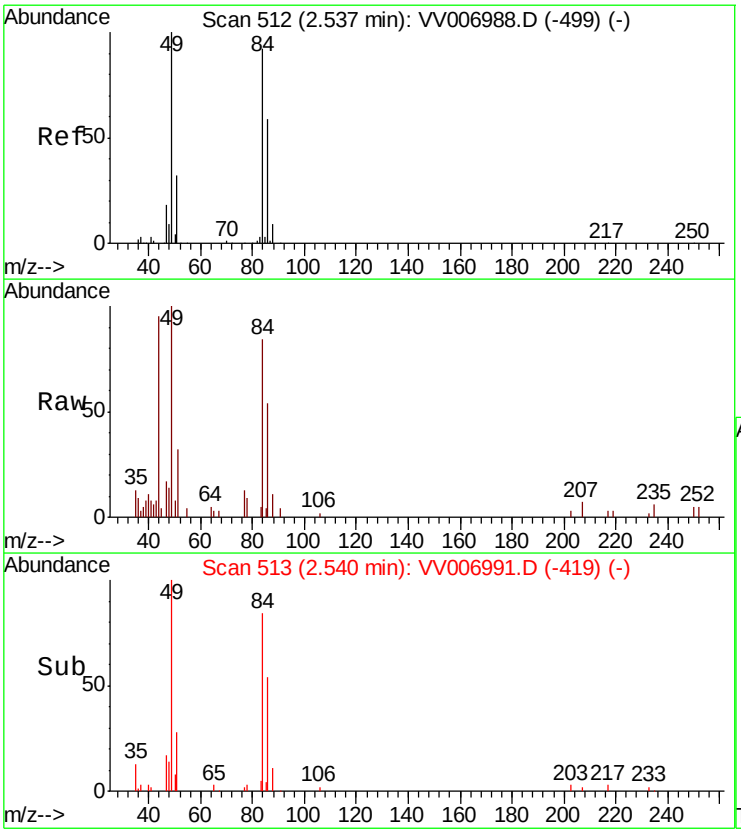
#15
Methyl Acetate
Concen: 0.259 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 1713

Ion	Ratio	Lower	Upper
43	100		
74	15.3	24.6	37.0#

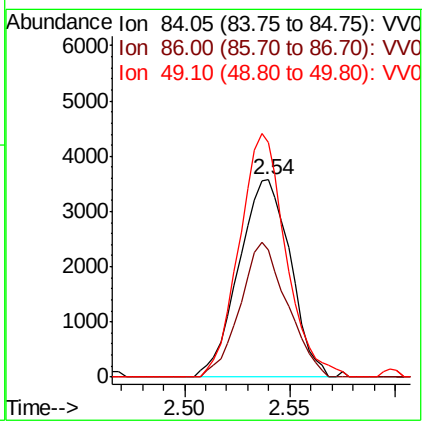


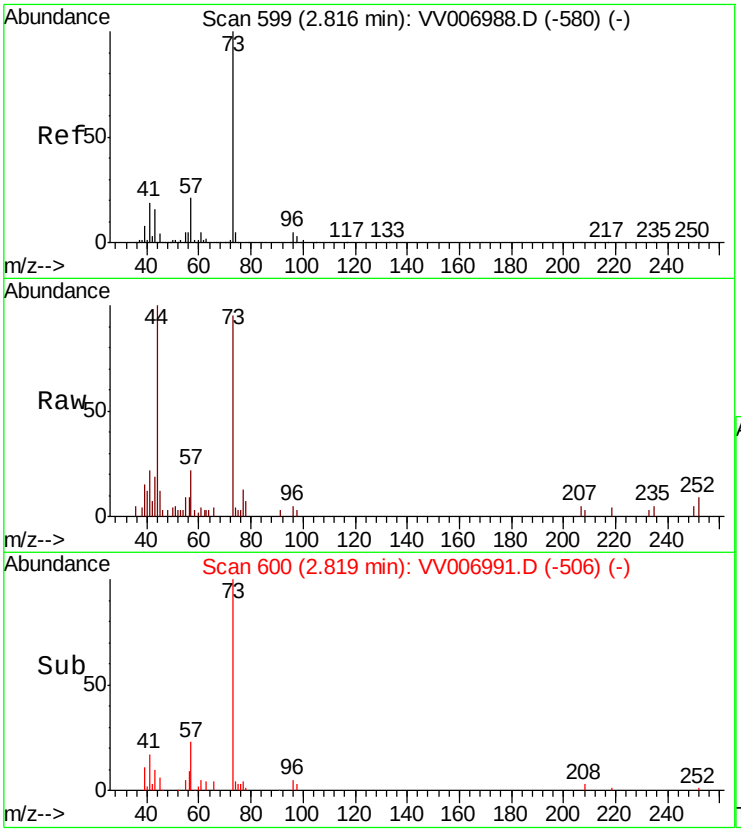


#16
Methylene chloride
Concen: 0.285 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 84 Resp: 6069

Ion	Ratio	Lower	Upper
84	100		
86	64.4	45.7	84.9
49	119.2	78.8	146.4



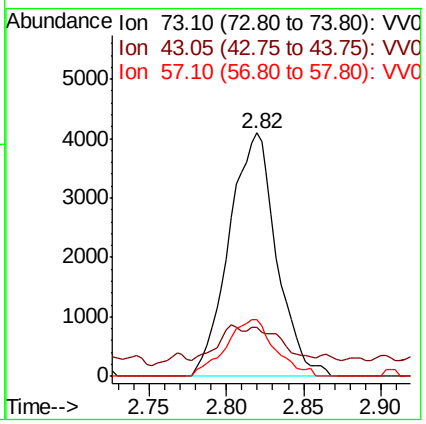


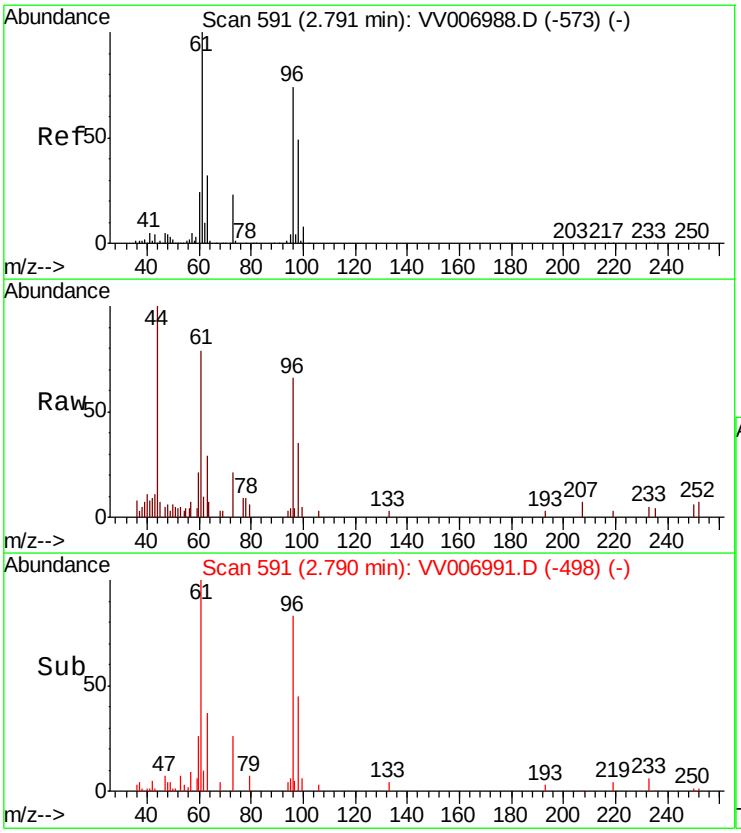
#17
Methyl tert-butyl Ether
Concen: 0.205 ug/L
RT: 2.82 min Scan# 600
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 73 Resp: 8709

Ion	Ratio	Lower	Upper
73	100		
43	6.9	14.4	21.6#
57	24.2	17.9	26.9

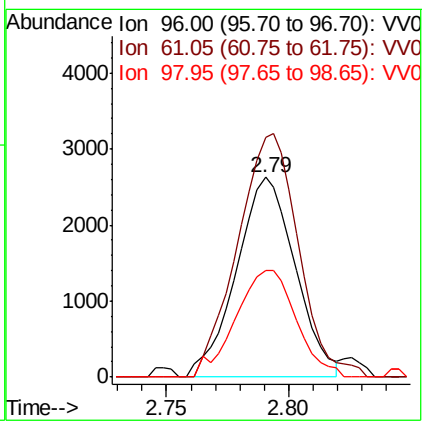


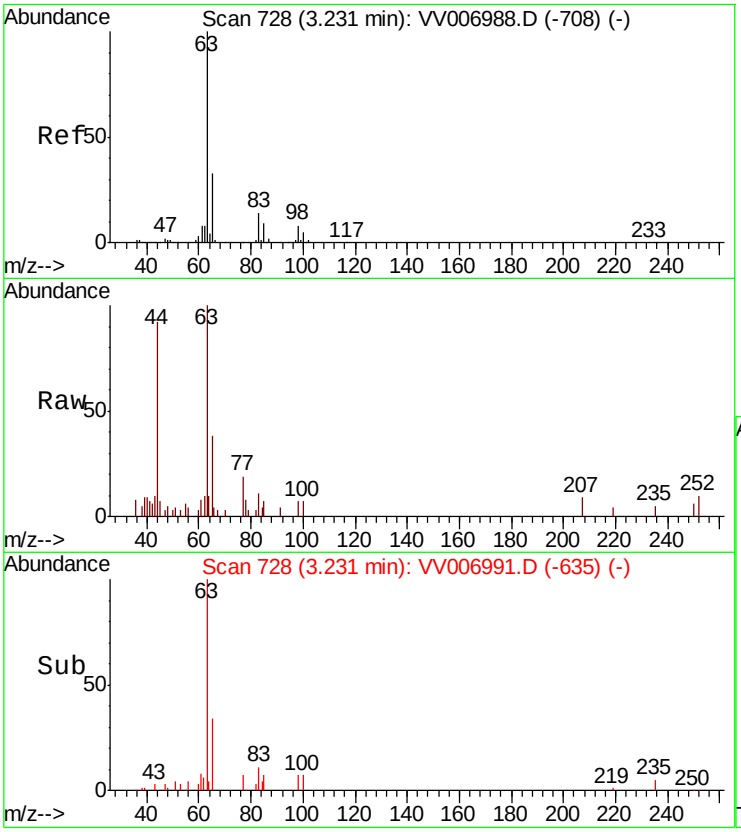


#18
trans-1,2-Dichloroethene
Concen: 0.233 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 96 Resp: 4404

Ion	Ratio	Lower	Upper
96	100		
61	119.8	91.1	169.3
98	53.4	43.5	80.9



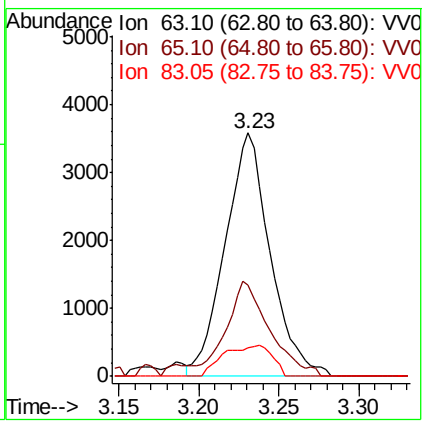


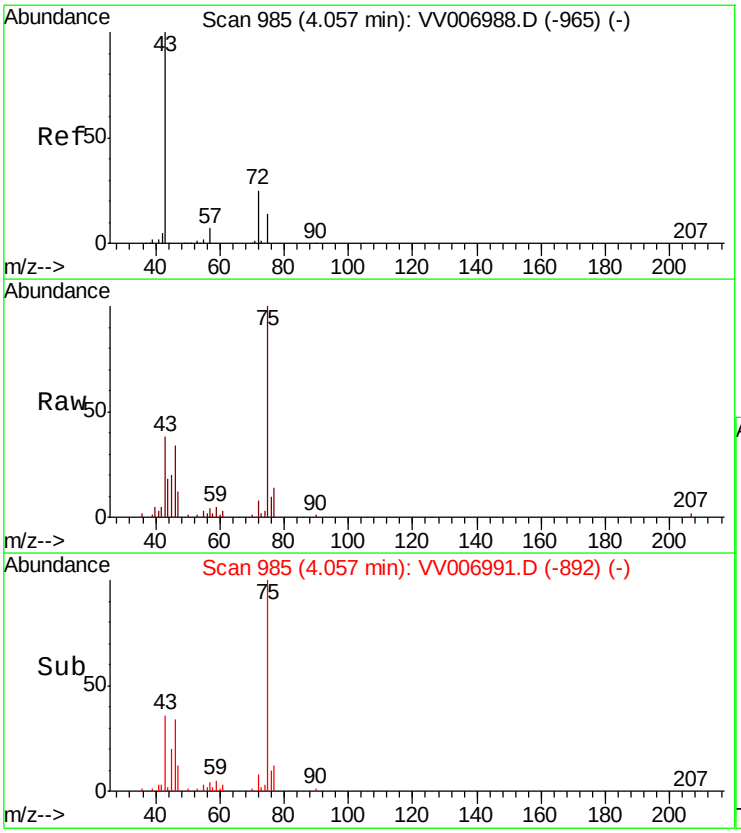
#19
1,1-Dichloroethane
Concen: 0.202 ug/L
RT: 3.23 min Scan# 728
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 63 Resp: 6891

Ion	Ratio	Lower	Upper
63	100		
65	37.5	21.7	40.3
83	11.5	10.0	18.6

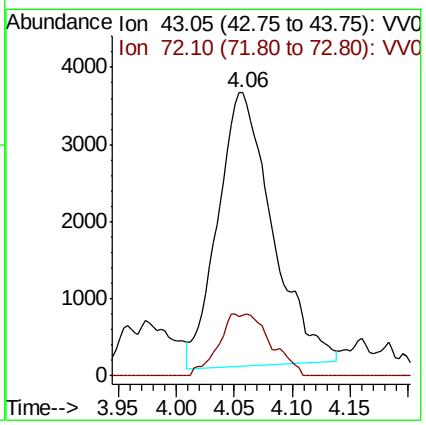


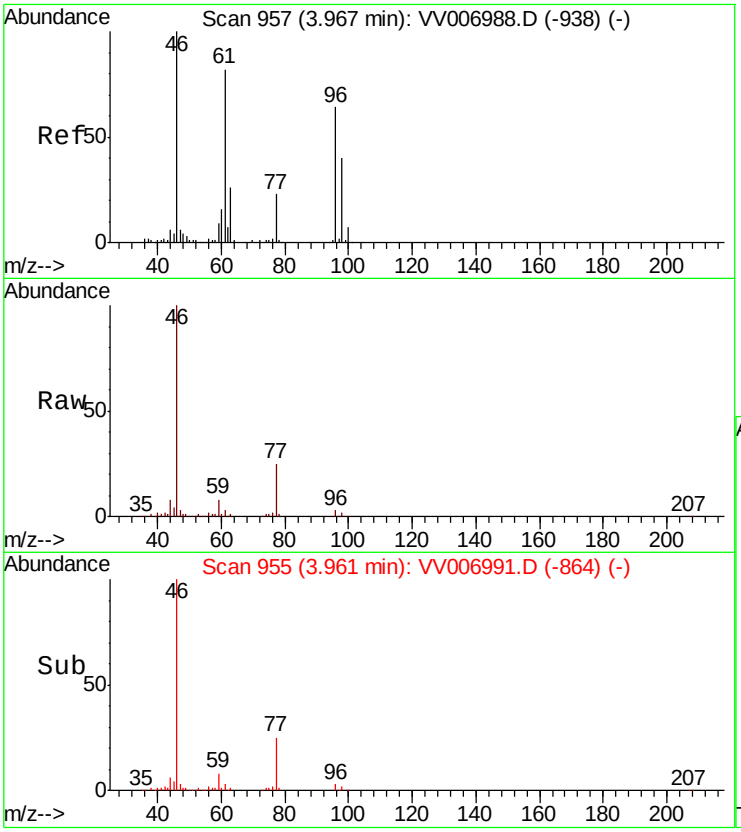


#21
2-Butanone
Concen: 2.277 ug/L
RT: 4.06 min Scan# 985
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 43 Resp: 11632

Ion	Ratio	Lower	Upper
43	100		
72	9.0	12.4	37.2#



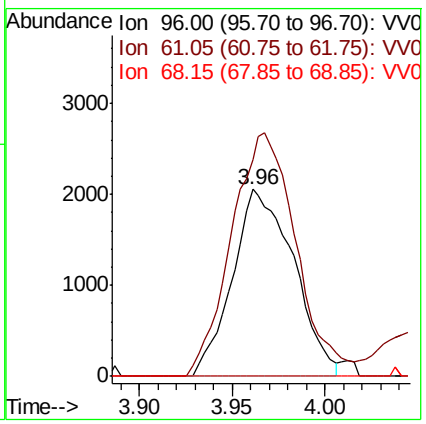


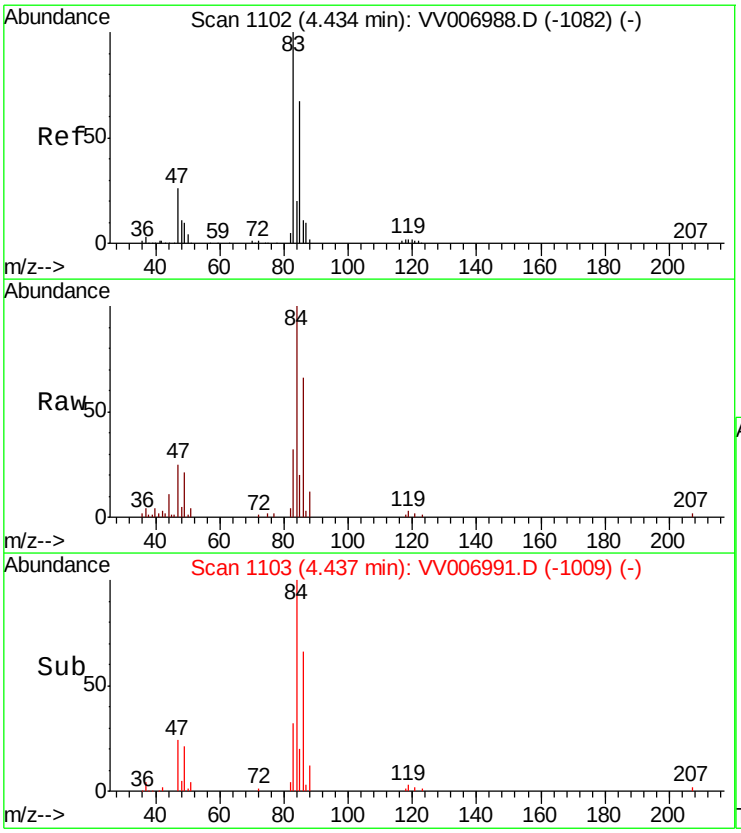
#22
cis-1,2-Dichloroethene
Concen: 0.220 ug/L
RT: 3.96 min Scan# 955
Delta R.T. -0.01 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 96 Resp: 4723

Ion	Ratio	Lower	Upper
96	100		
61	116.2	91.1	169.1
68	0.0	0.0	0.0

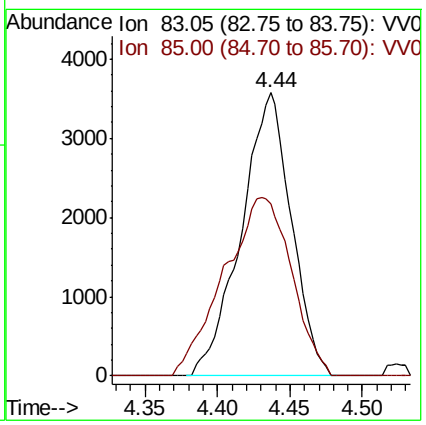


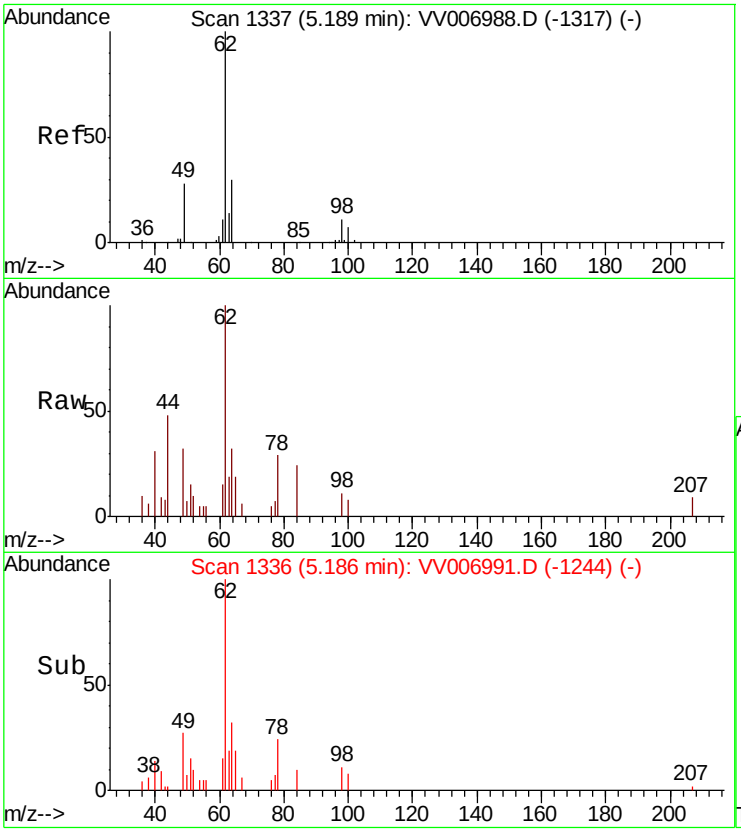


#25
Chloroform
Concen: 0.230 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 83 Resp: 8607

Ion	Ratio	Lower	Upper
83	100		
85	60.8	44.7	82.9



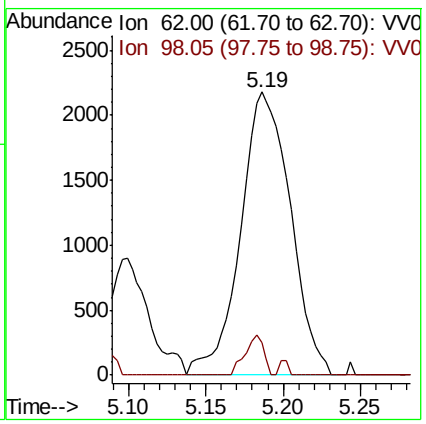


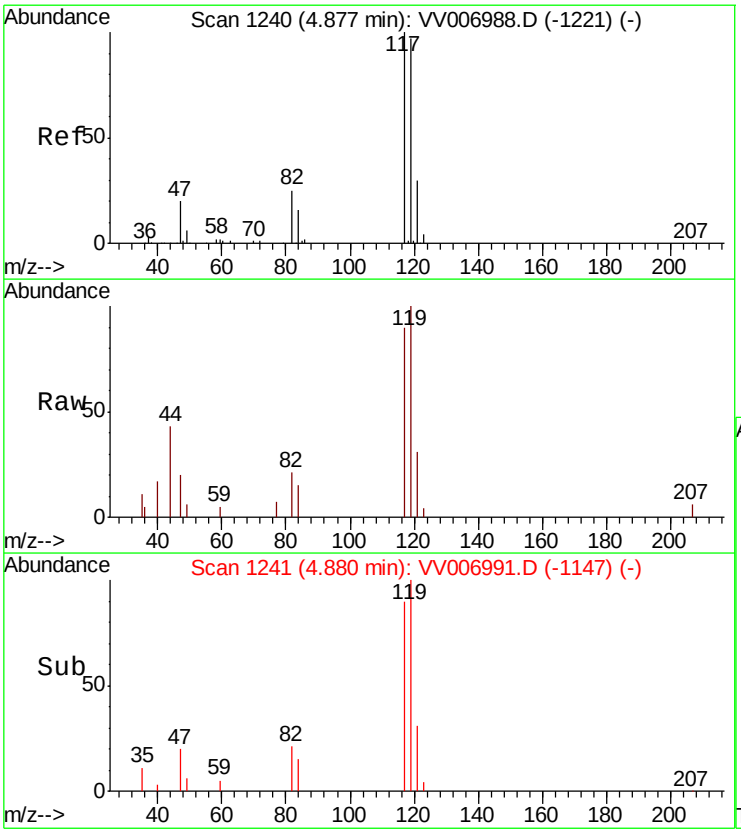
#27
1,2-Dichloroethane
Concen: 0.210 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 62 Resp: 4886

Ion	Ratio	Lower	Upper
62	100		
98	11.5	7.6	11.4#

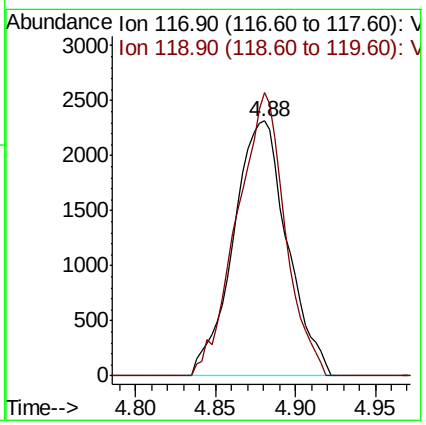


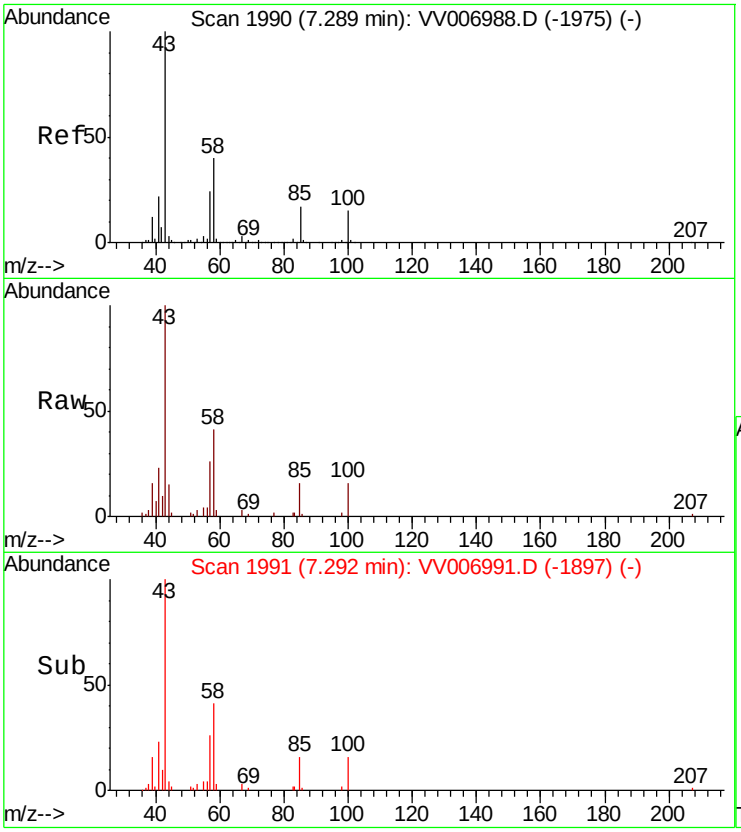


#31
Carbon tetrachloride
Concen: 0.203 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion:117 Resp: 5341

Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.2	114.4



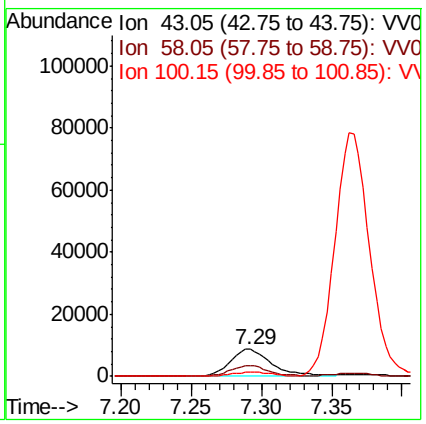


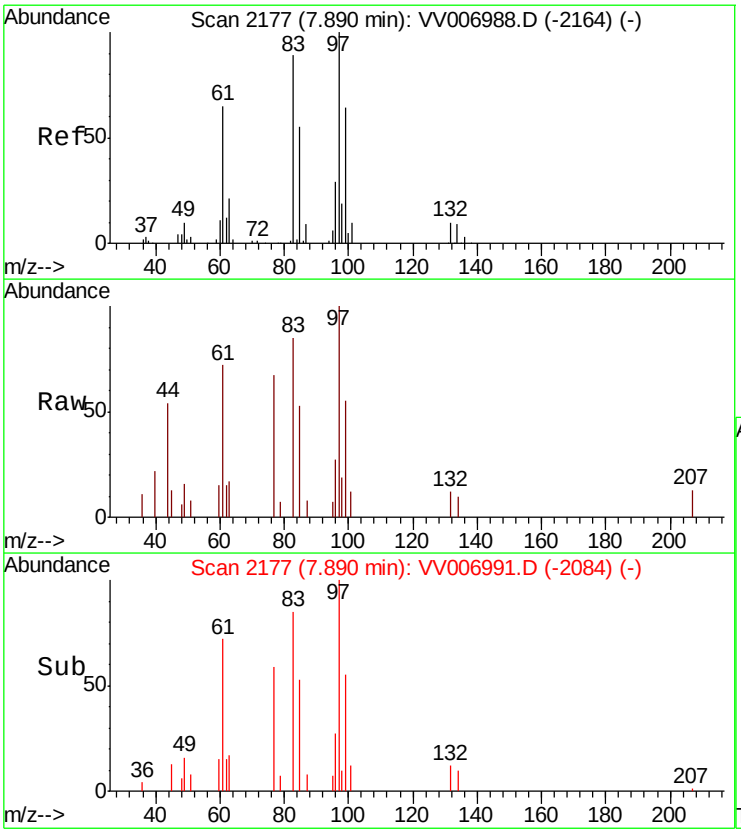
#40
4-Methyl-2-pentanone
Concen: 1.520 ug/L
RT: 7.29 min Scan# 1991
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 18344

Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.7	46.1
100	0.0	11.2	16.8#

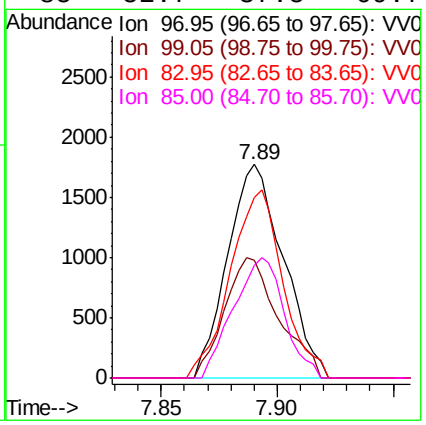


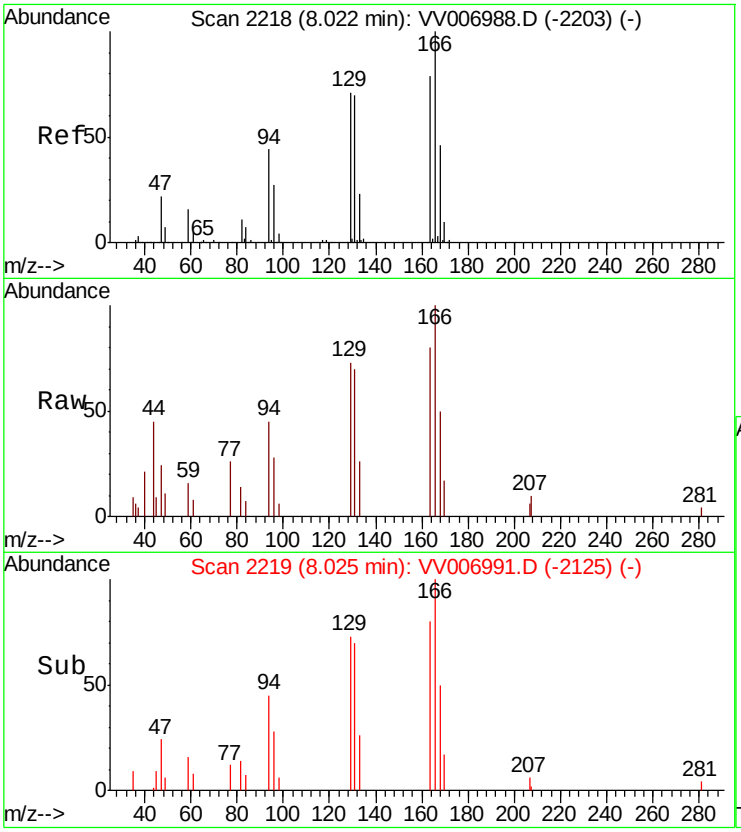


#45
1,1,2-Trichloroethane
Concen: 0.204 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 97 Resp: 2959

Ion	Ratio	Lower	Upper
97	100		
99	55.0	40.6	75.4
83	84.6	58.0	107.8
85	52.7	37.5	69.7



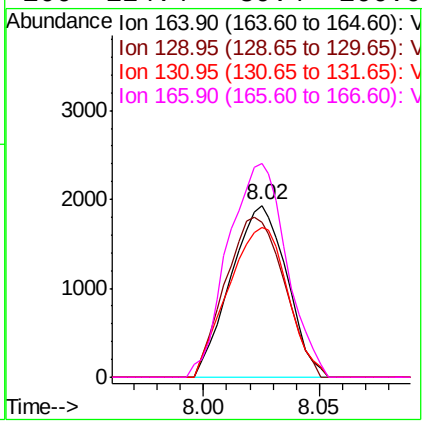


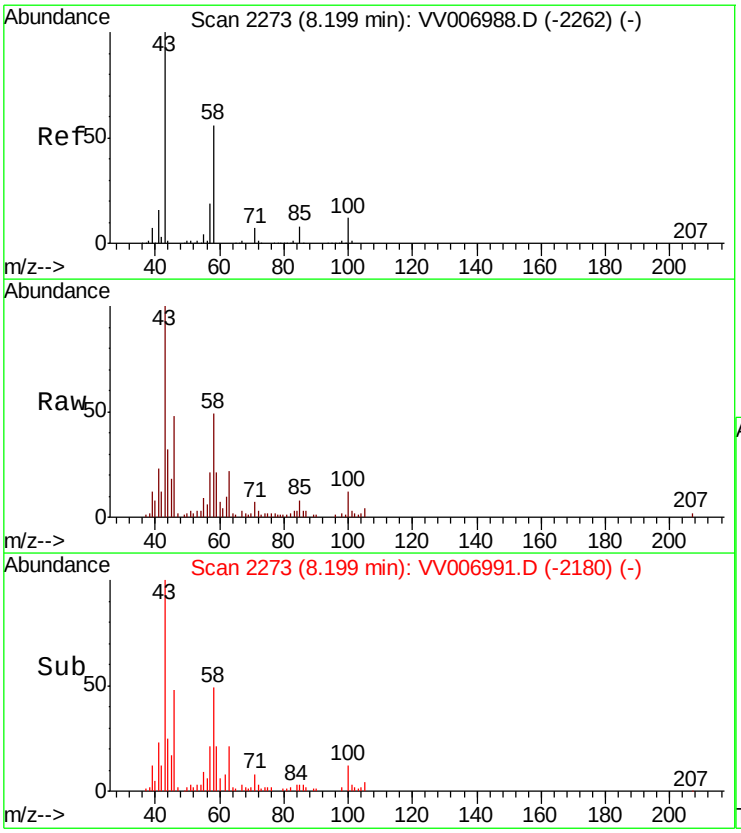
#47
Tetrachloroethene
Concen: 0.204 ug/L
RT: 8.02 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion:164 Resp: 3241

Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.9	122.3
131	86.9	64.2	119.2
166	124.4	89.4	166.0

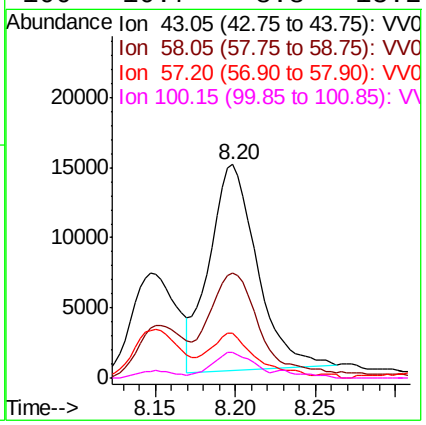


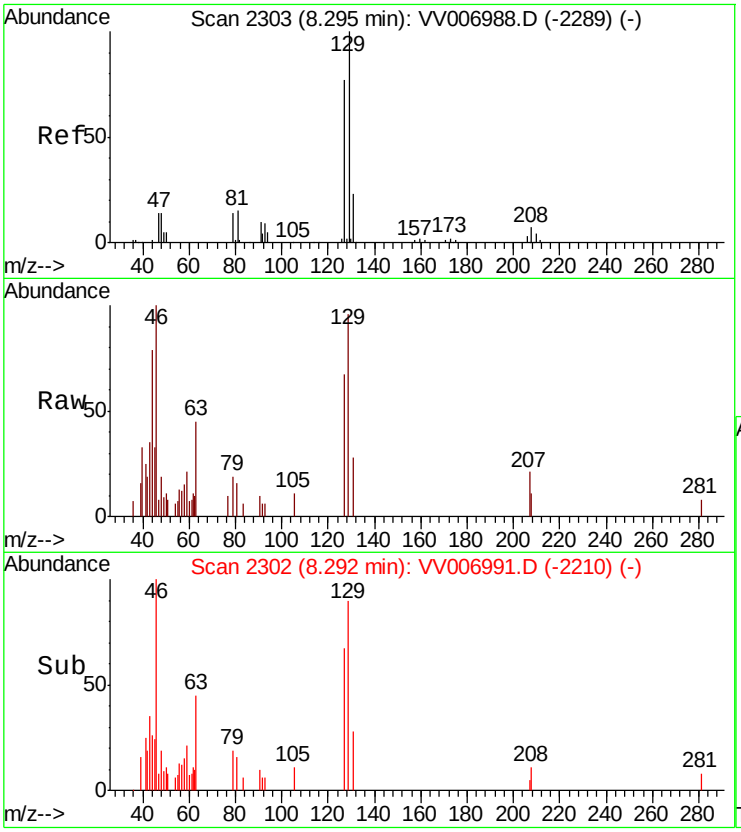


#48
2-Hexanone
Concen: 3.556 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 43 Resp: 30271

Ion	Ratio	Lower	Upper
43	100		
58	52.7	44.2	66.2
57	21.4	14.8	22.2
100	10.7	8.8	13.2



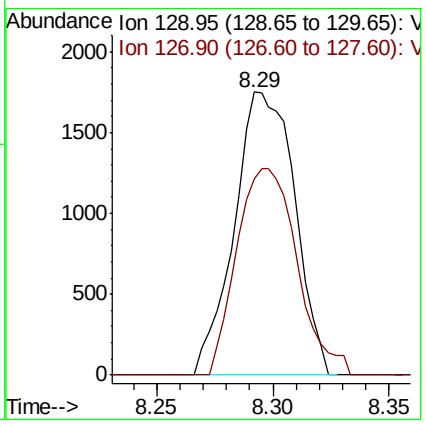


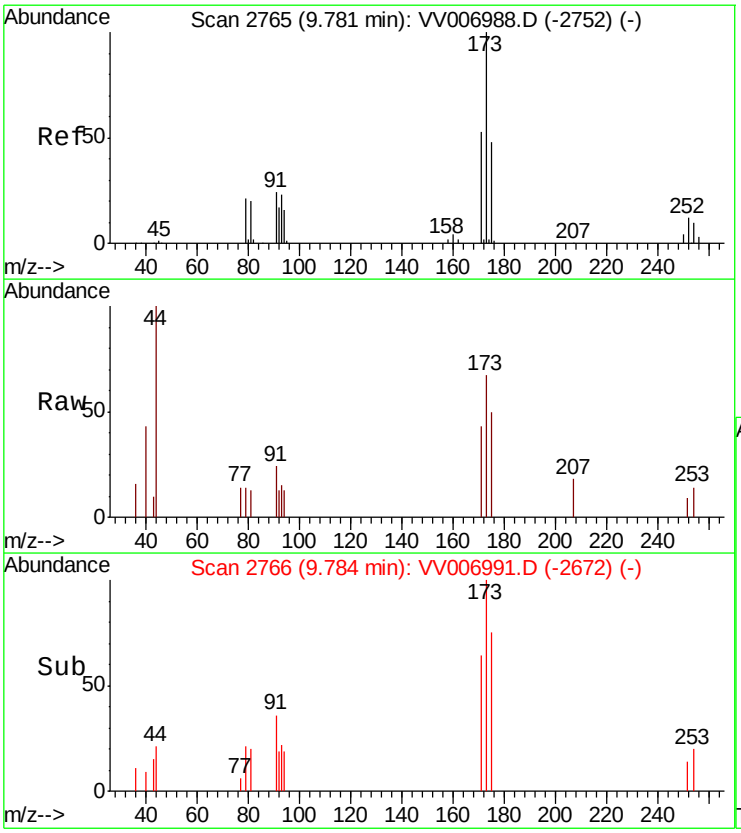
#49
Dibromochloromethane
Concen: 0.208 ug/L
RT: 8.29 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion:129 Resp: 3174

Ion	Ratio	Lower	Upper
129	100		
127	69.3	53.3	98.9

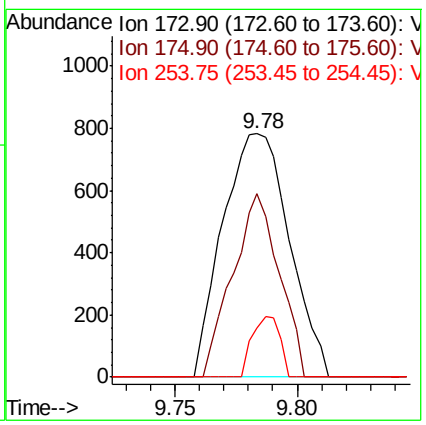


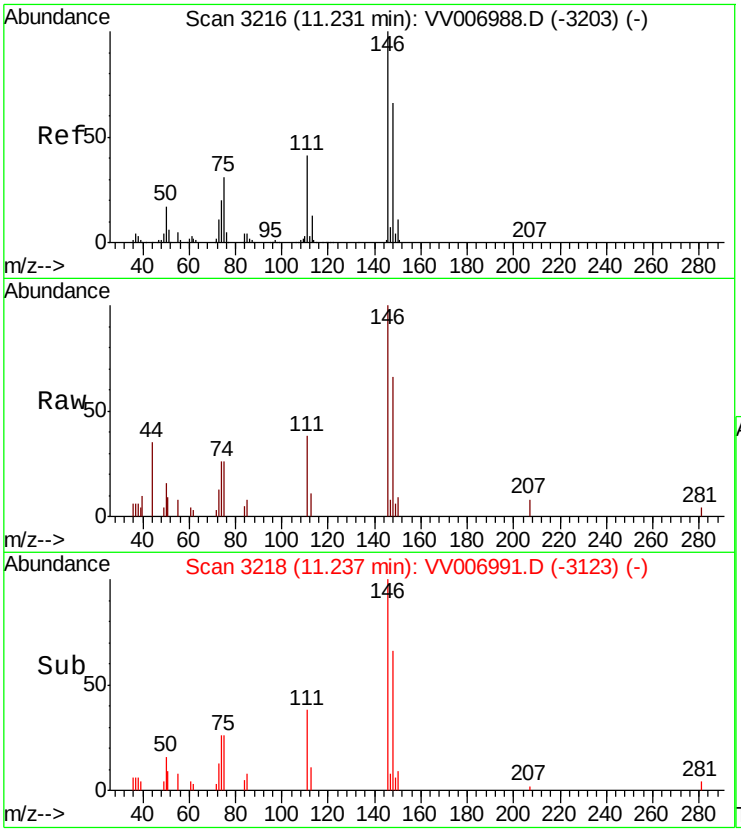


#61
Bromoform
Concen: 0.203 ug/L
RT: 9.78 min Scan# 2766
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion:173 Resp: 1485

Ion	Ratio	Lower	Upper
173	100		
175	52.7	39.3	58.9
254	10.2	8.3	12.5



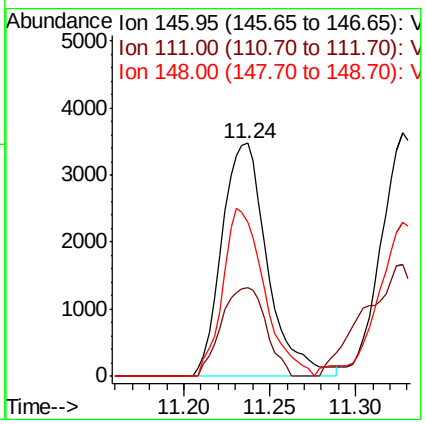


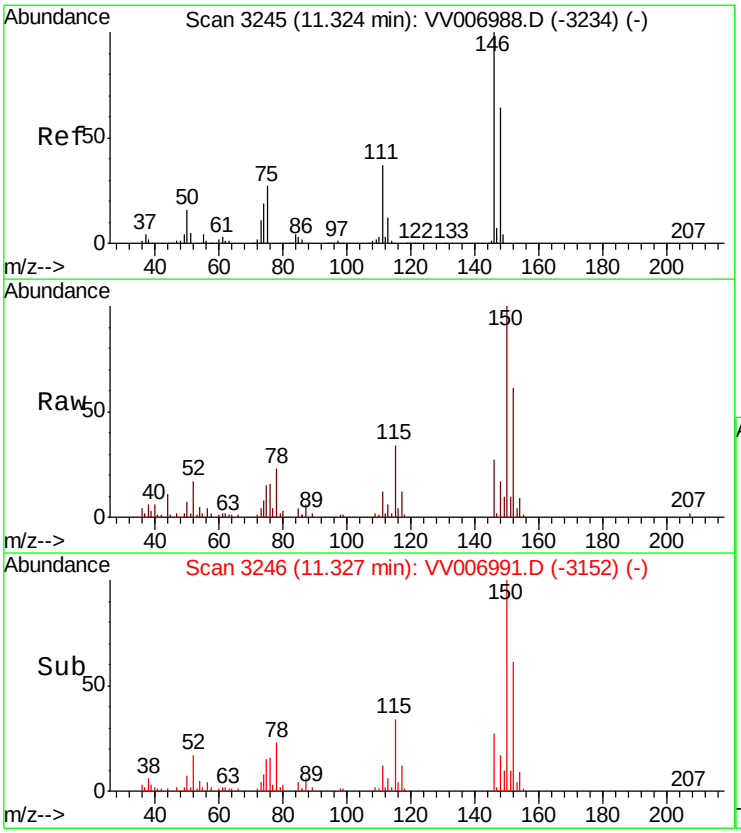
#62
1,3-Dichlorobenzene
Concen: 0.205 ug/L
RT: 11.24 min Scan# 3218
Delta R.T. 0.01 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion:146 Resp: 6404

Ion	Ratio	Lower	Upper
146	100		
111	37.9	28.1	52.3
148	66.0	44.2	82.2

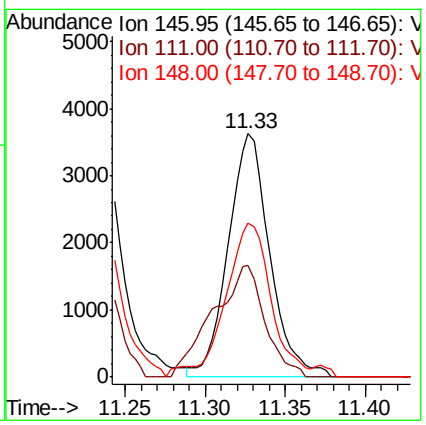


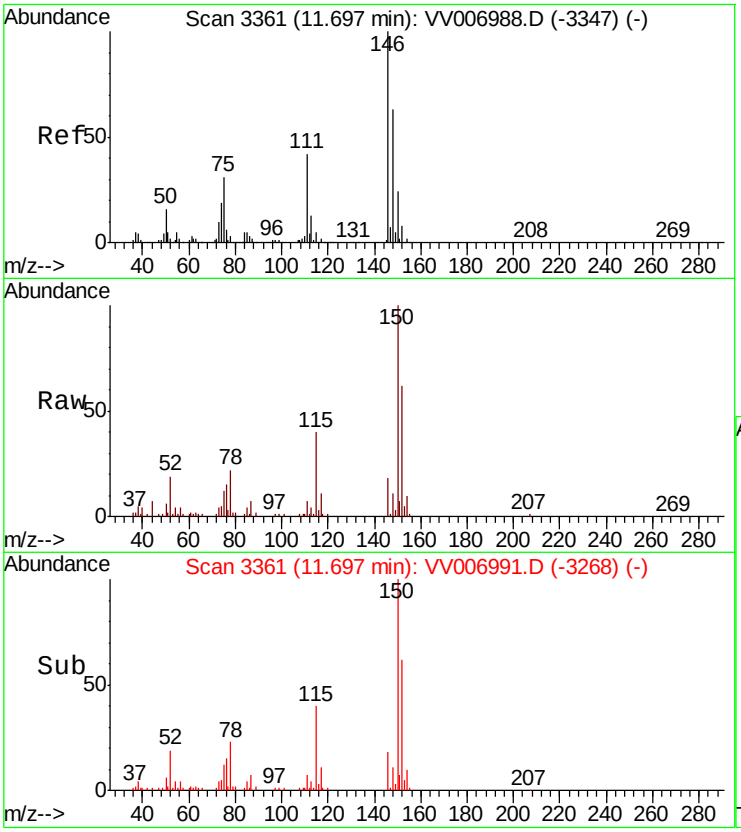


#63
1,4-Dichlorobenzene
Concen: 0.200 ug/L
RT: 11.33 min Scan# 3246
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion:146 Resp: 6422

Ion	Ratio	Lower	Upper
146	100		
111	46.0	26.6	49.4
148	63.1	46.4	86.2





#65
1,2-Dichlorobenzene
Concen: 0.203 ug/L
RT: 11.70 min Scan# 3361
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion:146 Resp: 6238

Ion	Ratio	Lower	Upper
146	100		
111	38.5	33.0	49.6
148	59.3	50.6	75.8