Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092718\
Data File : VV007900.D
Acq On : 27 Sep 2018 11:33
Operator : SY/MD
Sample : J5063-22
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Sep 28 00:44:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	95961	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	92183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48730	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	24767	4.81	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 96.20%			
7) Chloroethane-d5	1.59	69	21557	4.85	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 97.00%			
11) 1,1-Dichloroethene-d2	2.14	63	47297	4.07	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 81.40%			
20) 2-Butanone-d5	3.98	46	70884	45.81	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 91.62%			
24) Chloroform-d	4.41	84	58186	4.97	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.40%			
26) 1,2-Dichloroethane-d4	5.09	65	29789	4.62	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.40%			
32) Benzene-d6	5.10	84	108065	4.91	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.20%			
36) 1,2-Dichloropropane-d6	6.12	67	33123	4.75	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.00%			
41) Toluene-d8	7.36	98	110987	4.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 99.00%			
43) trans-1,3-Dichloropropene-	7.67	79	12625	4.70	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.00%			
46) 2-Hexanone-d5	8.14	63	53567	45.18	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 90.36%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24087	4.47	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.40%			
64) 1,2-Dichlorobenzene-d4	11.68	152	43049	4.56	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	28219	3.506	ug/L	98
5) Vinyl chloride	1.32	62	30778	4.015	ug/L	95
8) Chloroethane	1.60	64	63303	13.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	77814	10.962	ug/L	98
12) 1,1-Dichloroethene	2.14	96	14839	2.339	ug/L #	75
13) Acetone	2.23	43	195987	173.843	ug/L	99
15) Methyl Acetate	2.48	43	25464	8.832	ug/L	100
16) Methylene chloride	2.54	84	1684	0.239	ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	19932	2.851	ug/L	97
19) 1,1-Dichloroethane	3.23	63	24621	2.064	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	28647	4.046	ug/L	100
23) Bromochloromethane	4.30	128	16469	5.349	ug/L	94
25) Chloroform	4.43	83	101297	7.851	ug/L	98
27) 1,2-Dichloroethane	5.19	62	16117	1.941	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	22942	2.070	ug/L	98
31) Carbon tetrachloride	4.87	117	30478	3.119	ug/L	100
34) Trichloroethene	5.96	95	16336	2.161	ug/L	97

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Operator : SY/MD
Sample : J5063-22
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Sep 28 00:44:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Methylcyclohexane	6.12	83	8208	0.724	ug/L	#	20
37) 1,2-Dichloropropane	6.12	63	3866	0.573	ug/L	#	87
39) cis-1,3-Dichloropropene	7.07	75	45633	5.059	ug/L		99
40) 4-Methyl-2-pentanone	7.29	43	242319	57.252	ug/L		99
44) trans-1,3-Dichloropropene	7.70	75	19127	2.551	ug/L		98
45) 1,1,2-Trichloroethane	7.89	97	9424	1.936	ug/L		94
47) Tetrachloroethene	8.02	164	21386	3.053	ug/L		98
49) Dibromochloromethane	8.02	129	18370	3.307	ug/L	#	12
50) 1,2-Dibromoethane	8.40	107	22538	5.067	ug/L		96
51) Chlorobenzene	8.93	112	118141	5.950	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.29	83	9584	1.677	ug/L		97
61) Bromoform	9.78	173	8592	2.936	ug/L		97
62) 1,3-Dichlorobenzene	11.23	146	49934	3.104	ug/L		98
63) 1,4-Dichlorobenzene	11.32	146	33912	2.027	ug/L		99
66) 1,2-Dibromo-3-chloropropan	12.70	75	10112	13.089	ug/L	#	1
67) 1,3,5-Trichlorobenzene	12.70	180	69856	5.071	ug/L		98
68) 1,2,4-trichlorobenzene	13.31	180	56812	4.880	ug/L		99
70) 1,2,3-Trichlorobenzene	13.80	180	30869	2.928	ug/L		97

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

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ClientSampleId :

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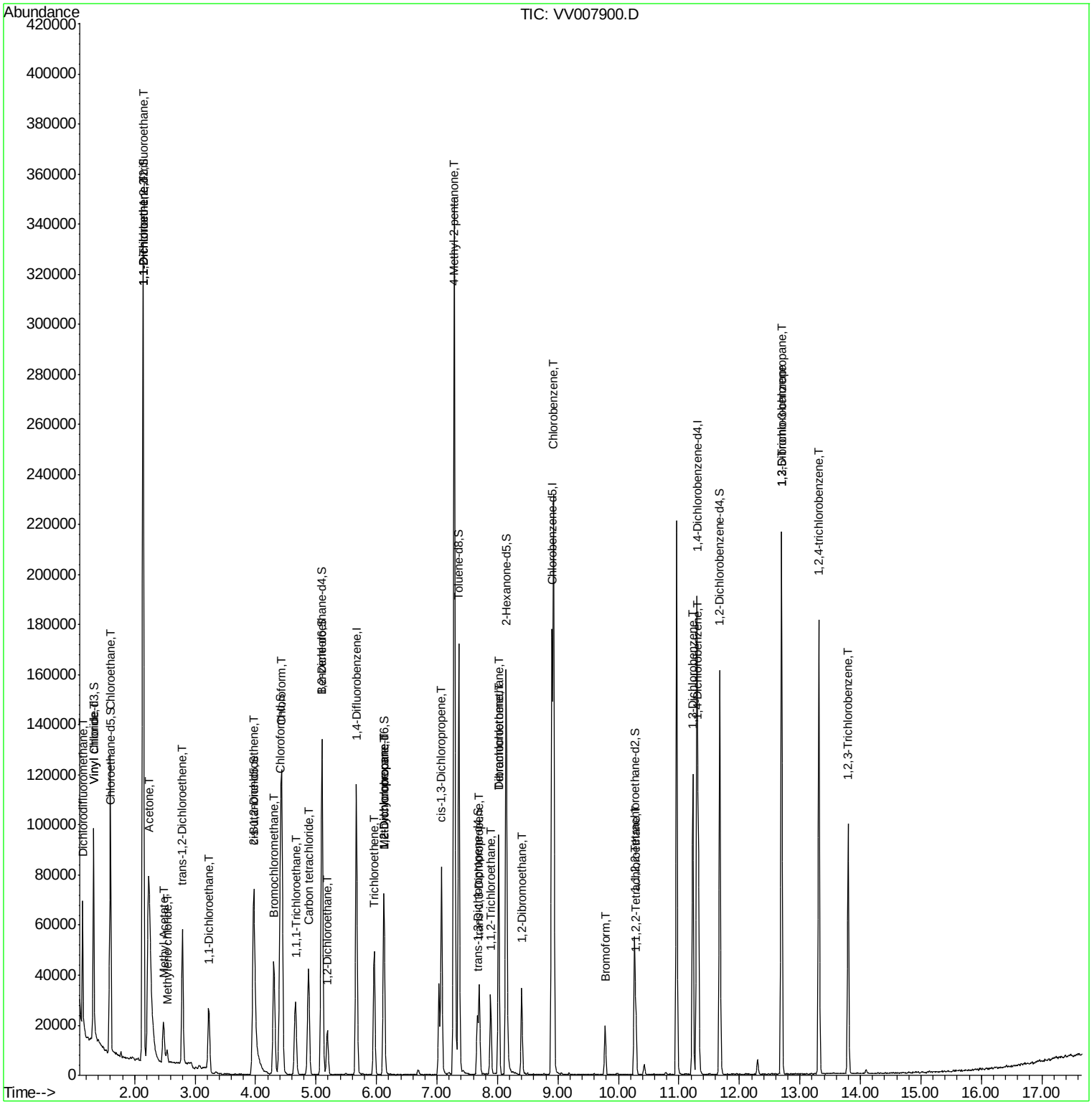
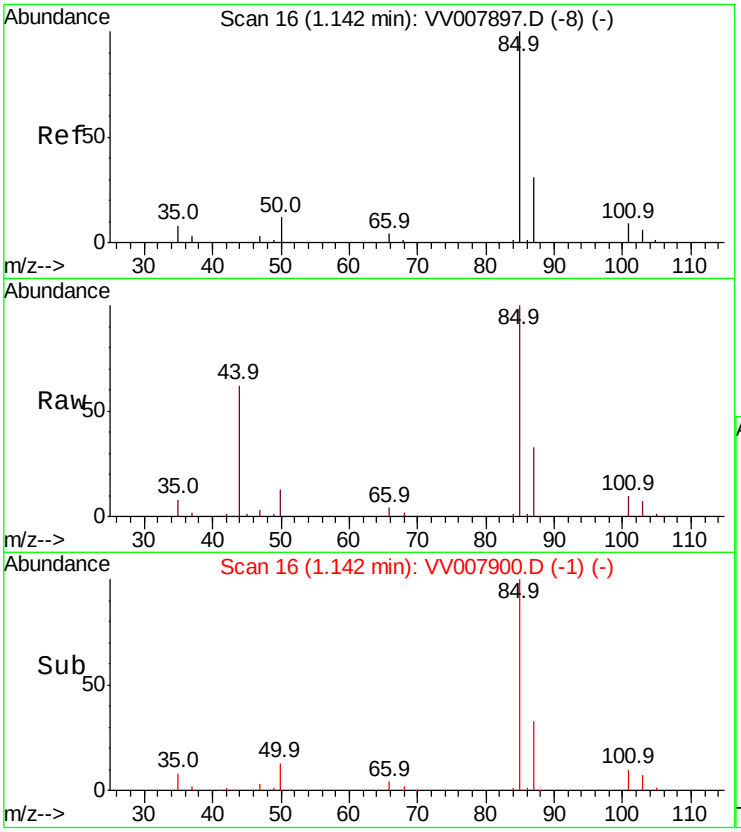
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration



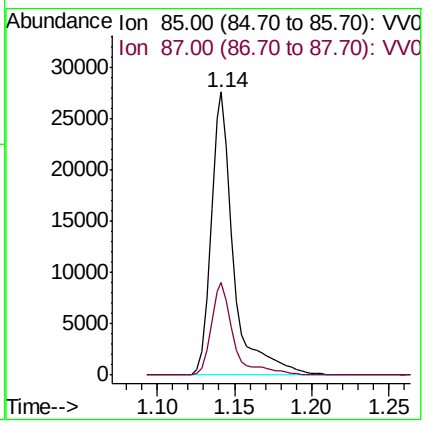


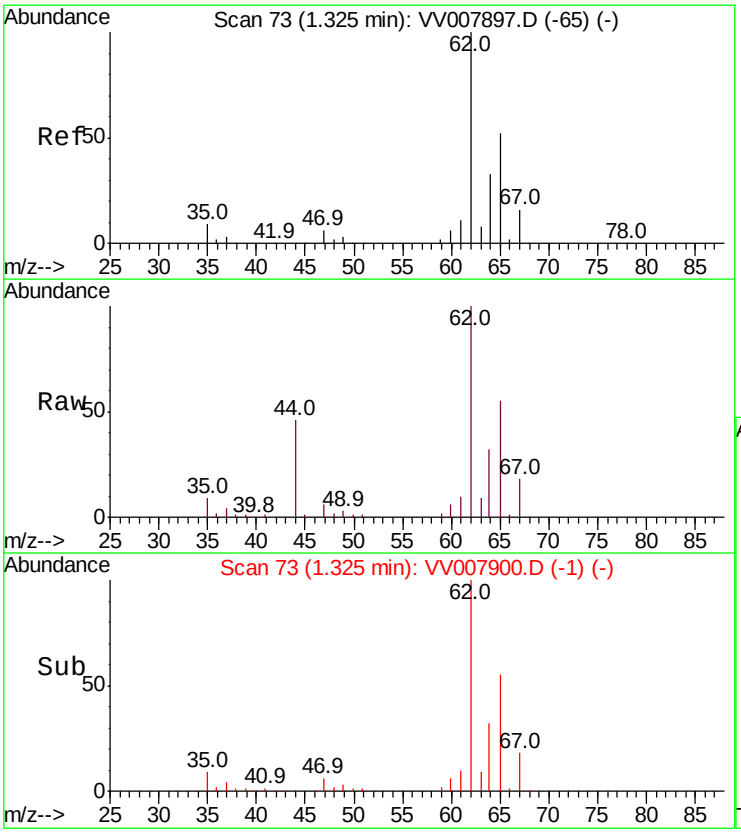
#2
Dichlorodifluoromethane
Concen: 3.506 ug/L
RT: 1.14 min Scan# 16
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 85 Resp: 28219

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.2	37.8

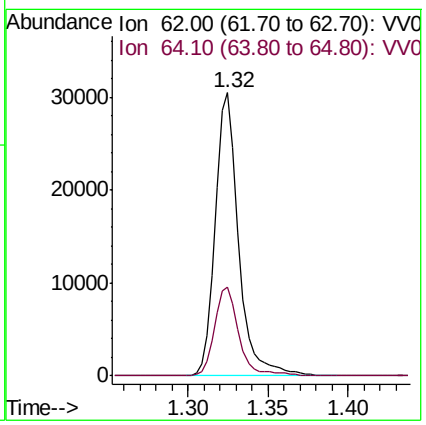


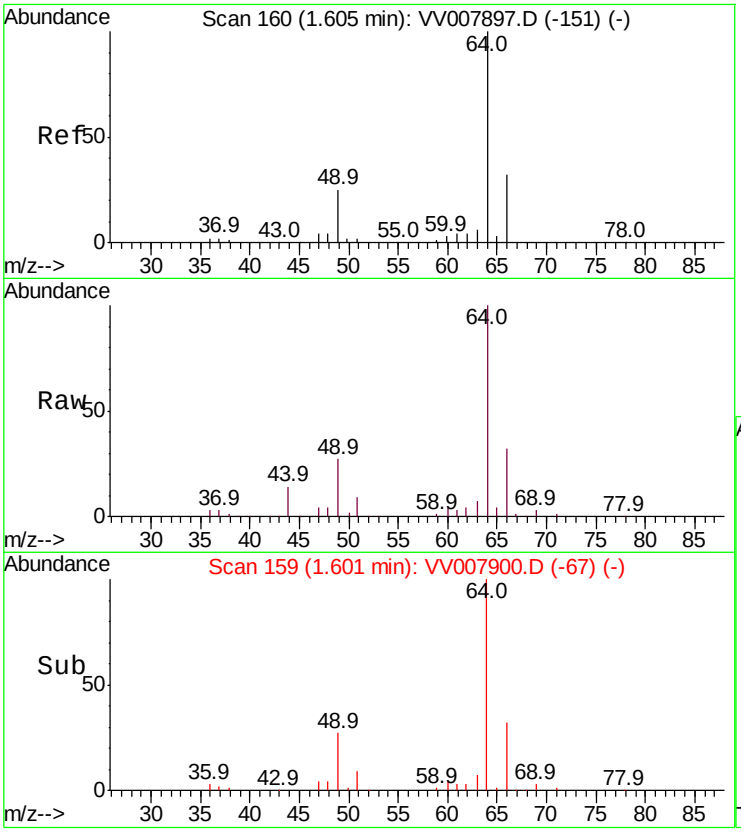


#5
Vinyl chloride
Concen: 4.015 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 62 Resp: 30778

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.0	44.6



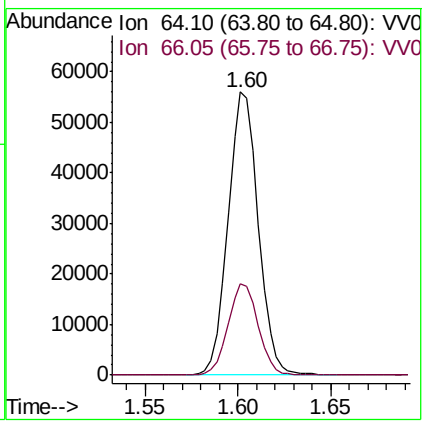


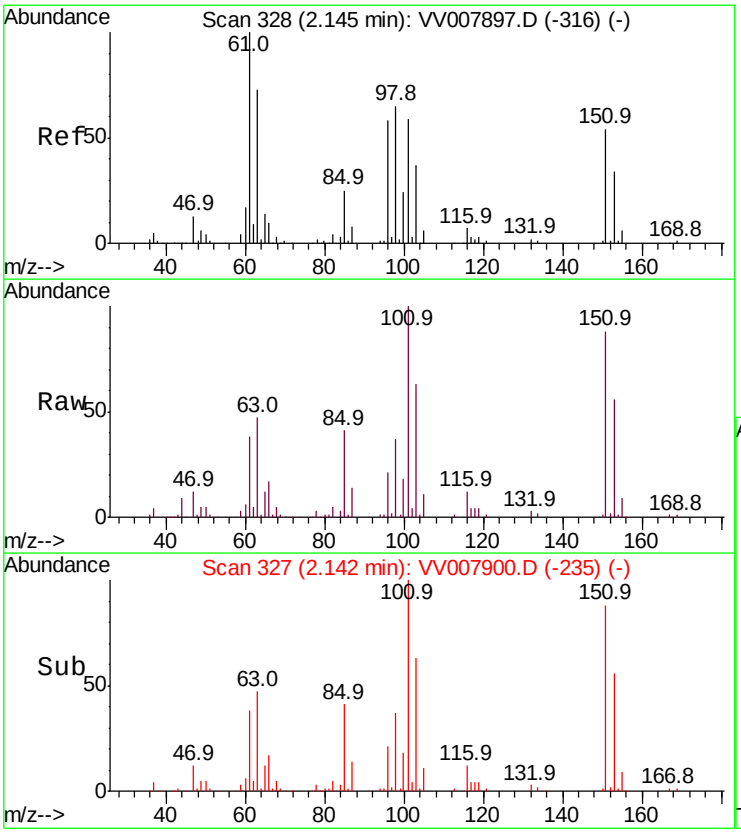
#8
Chloroethane
Concen: 13.692 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 64 Resp: 63303

Ion	Ratio	Lower	Upper
64	100		
66	32.2	23.1	42.9

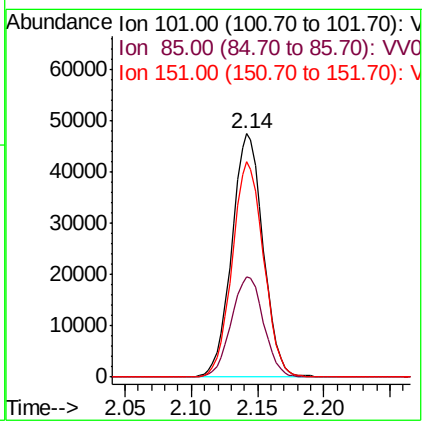


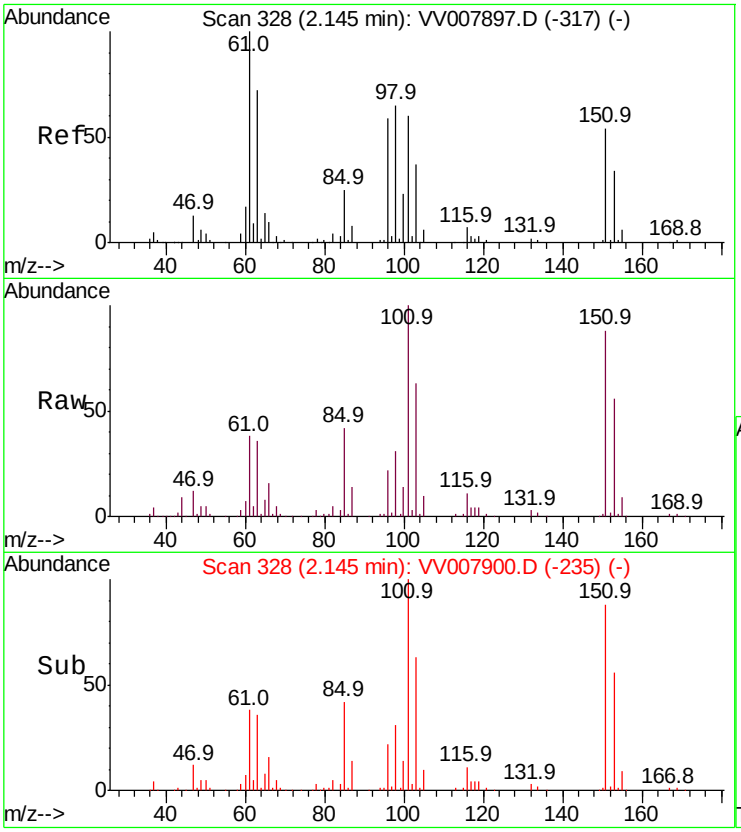


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.962 ug/L
RT: 2.14 min Scan# 327
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:101 Resp: 77814

Ion	Ratio	Lower	Upper
101	100		
85	42.4	34.7	52.1
151	88.6	72.2	108.2



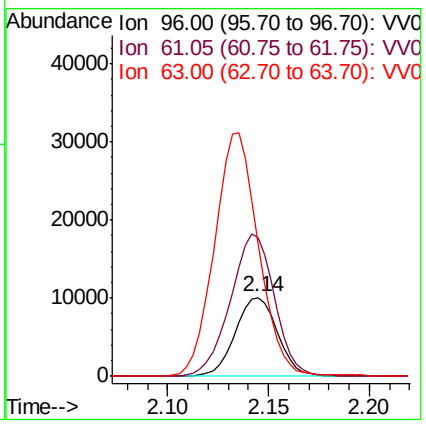


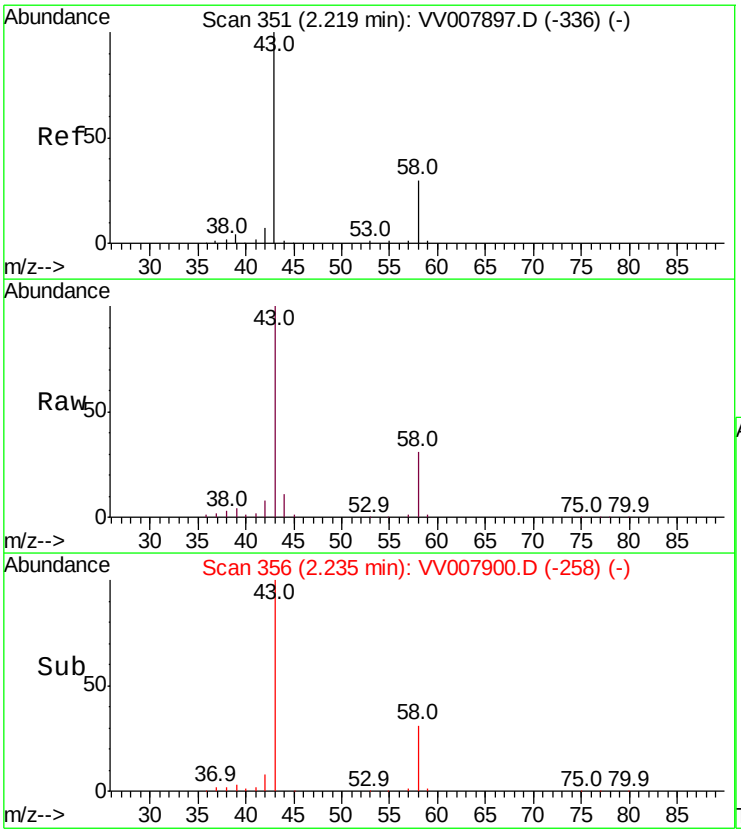
#12
1,1-Dichloroethene
Concen: 2.339 ug/L
RT: 2.14 min Scan# 328
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 14839

Ion	Ratio	Lower	Upper
96	100		
61	175.9	114.1	211.9
63	166.8	81.5	151.3#

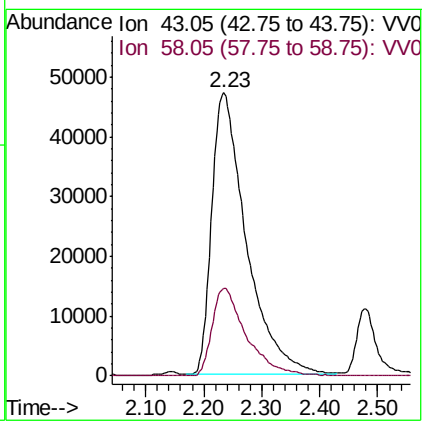


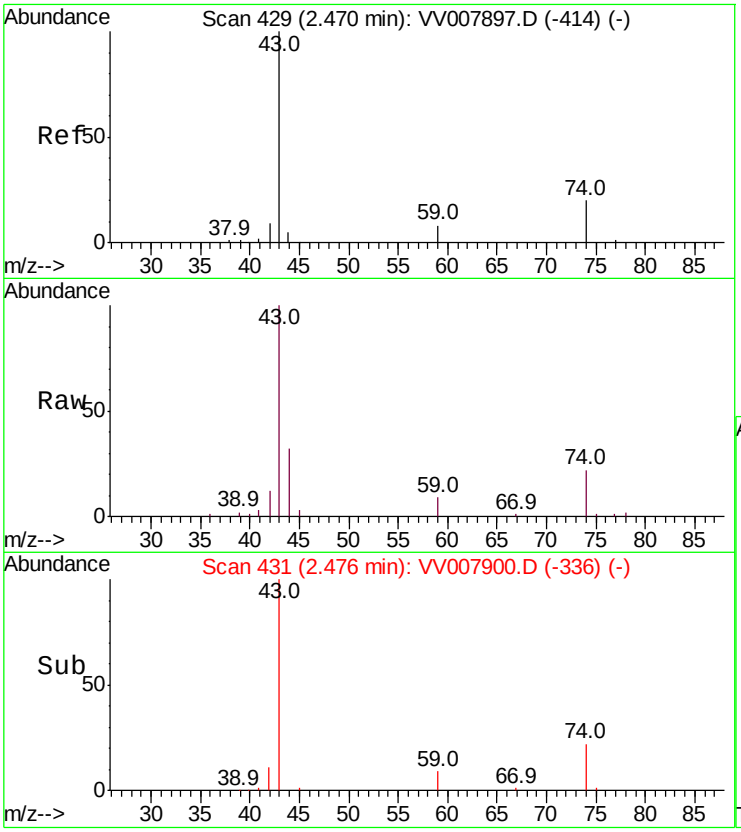


#13
Acetone
Concen: 173.843 ug/L
RT: 2.23 min Scan# 356
Delta R.T. 0.02 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 43 Resp: 195987

Ion	Ratio	Lower	Upper
43	100		
58	30.6	0.0	62.0



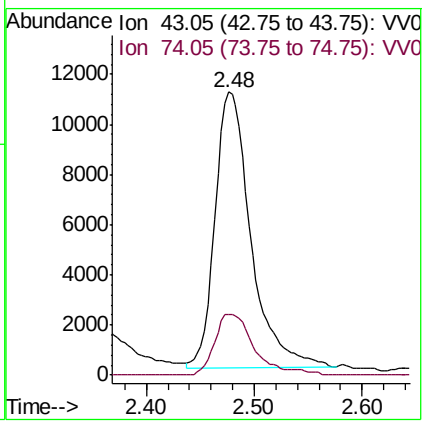


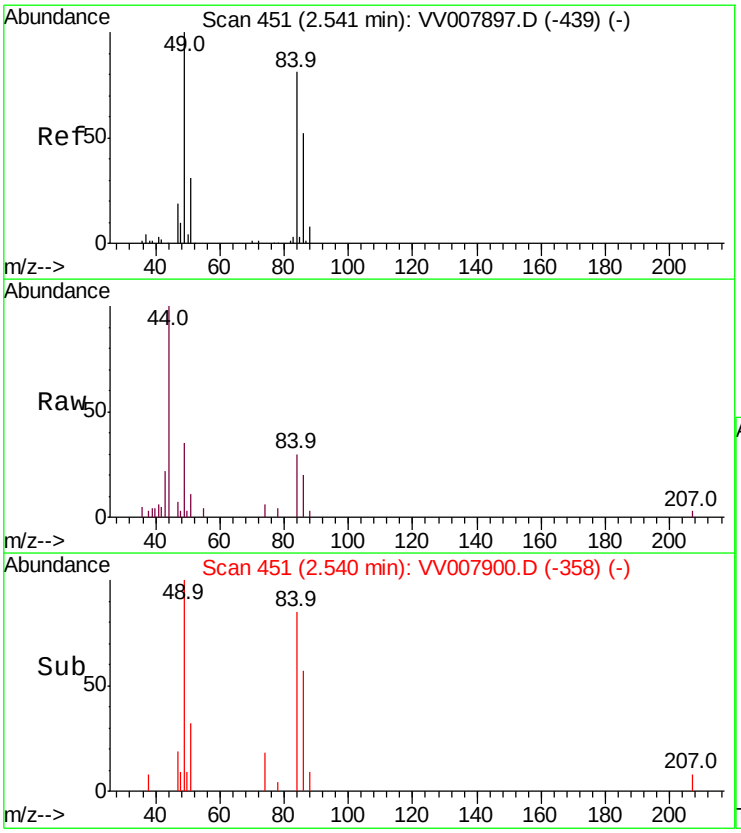
#15
Methyl Acetate
Concen: 8.832 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 25464

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.5	29.3

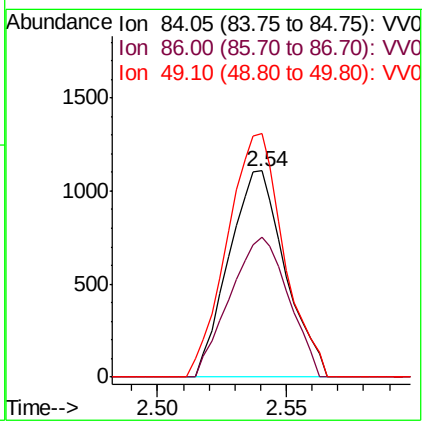


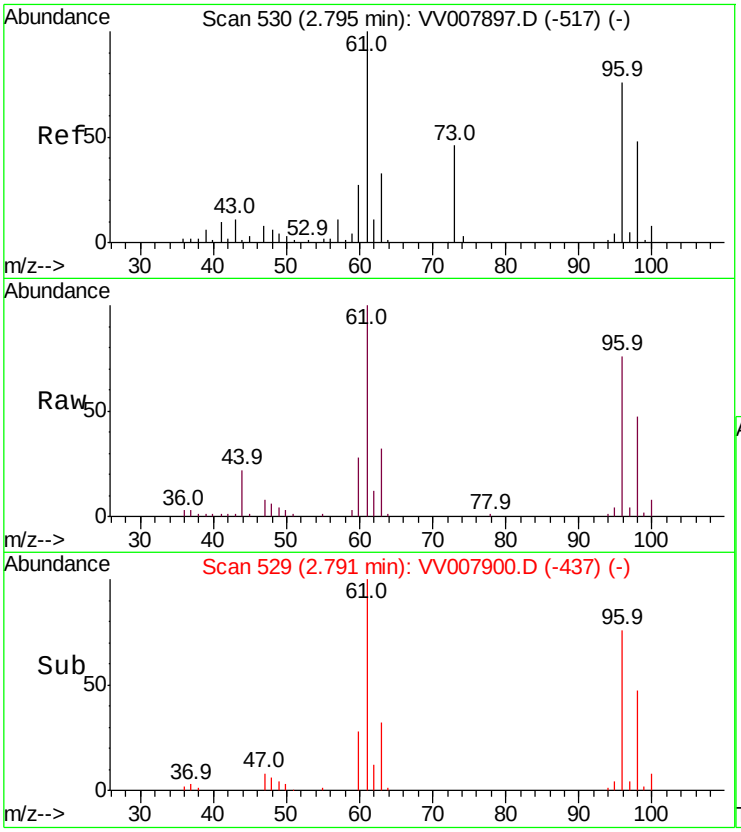


#16
Methylene chloride
Concen: 0.239 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 84 Resp: 1684

Ion	Ratio	Lower	Upper
84	100		
86	68.0	47.3	87.8
49	118.3	90.0	167.2



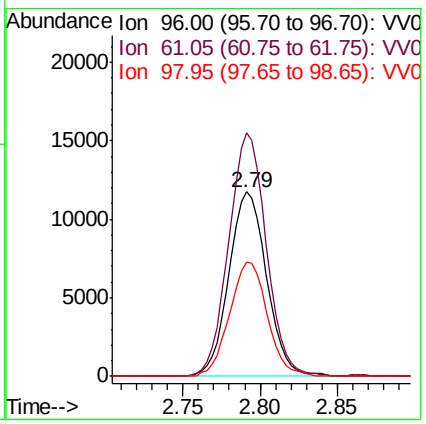


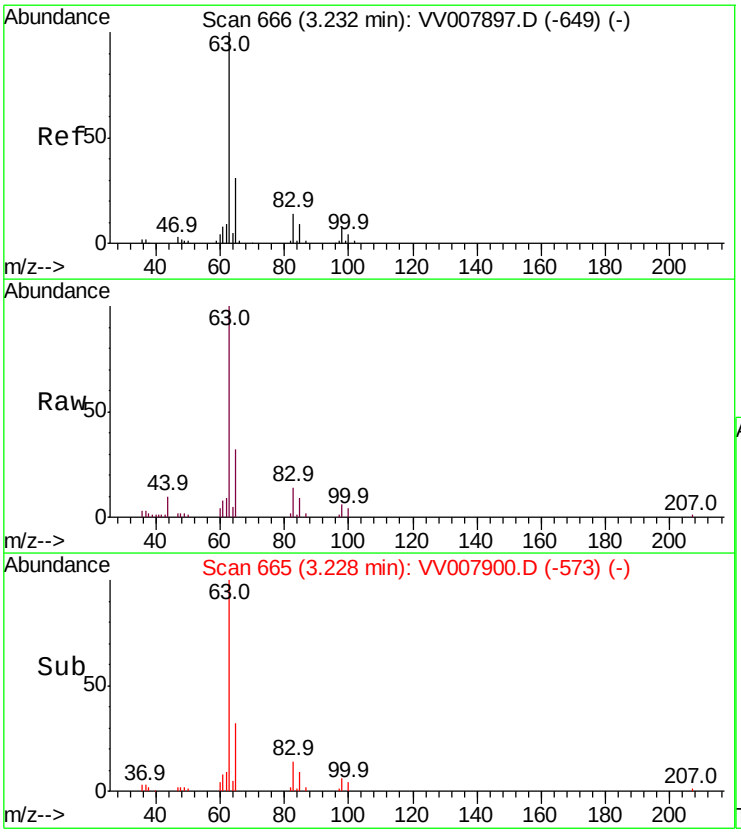
#18
trans-1,2-Dichloroethene
Concen: 2.851 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 19932

Ion	Ratio	Lower	Upper
96	100		
61	131.9	94.2	175.0
98	61.6	44.9	83.5

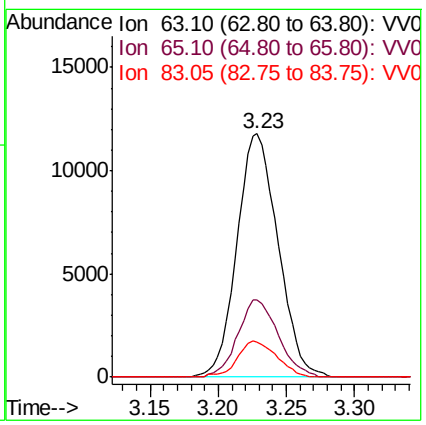


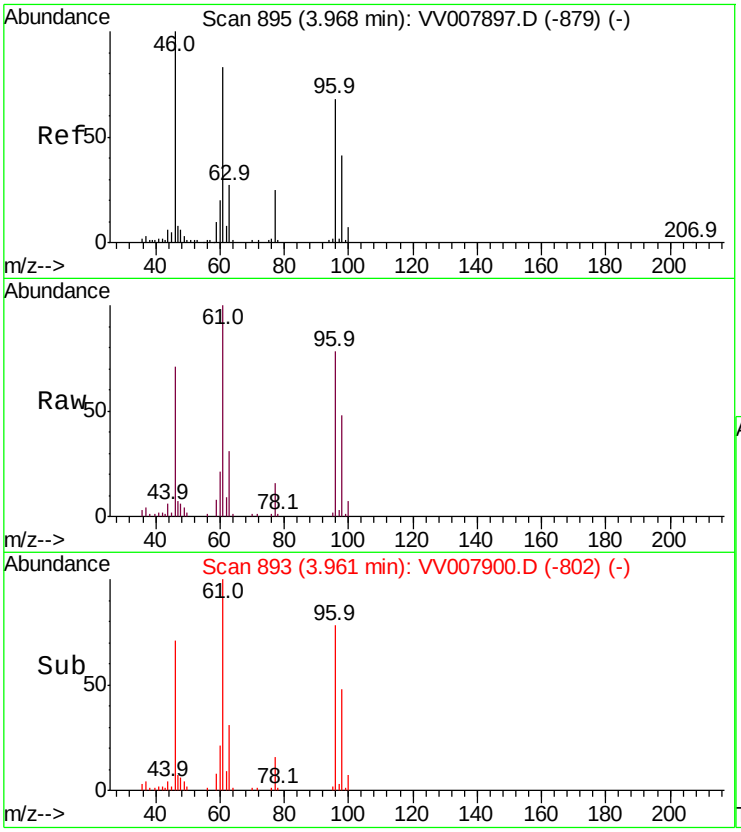


#19
1,1-Dichloroethane
Concen: 2.064 ug/L
RT: 3.23 min Scan# 665
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 63 Resp: 24621

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.5
83	14.4	9.8	18.2



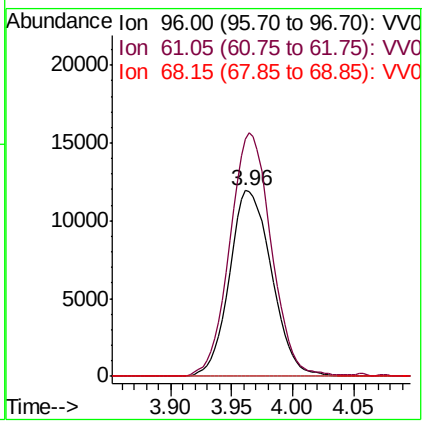


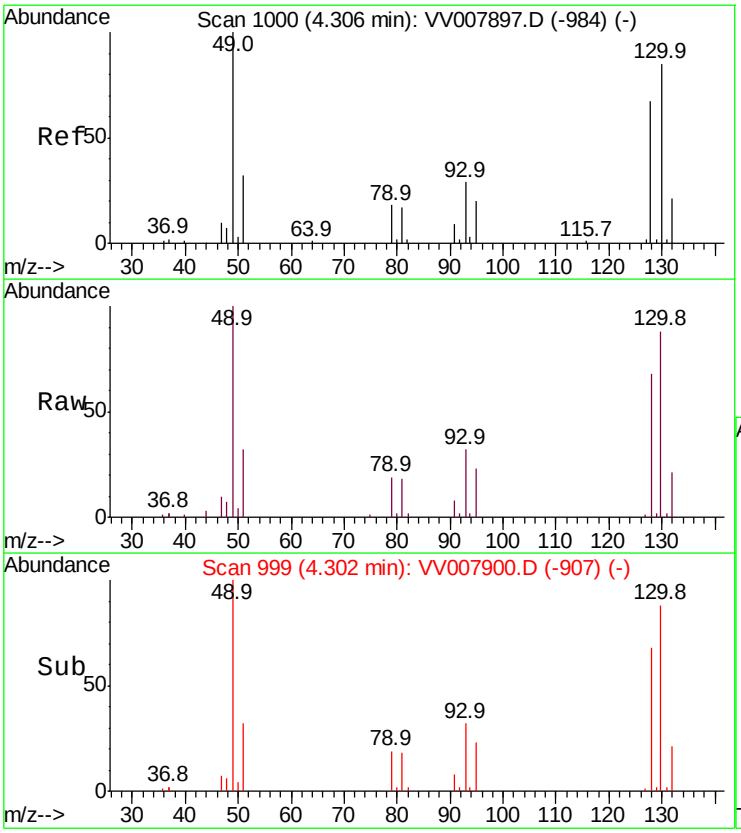
#22
cis-1,2-Dichloroethene
Concen: 4.046 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.01 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 28647

Ion	Ratio	Lower	Upper
96	100		
61	127.7	89.5	166.1
68	0.0	0.0	0.0

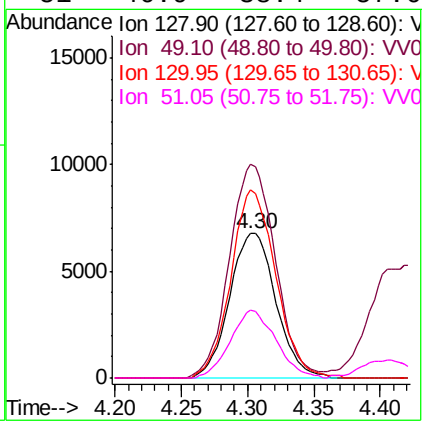


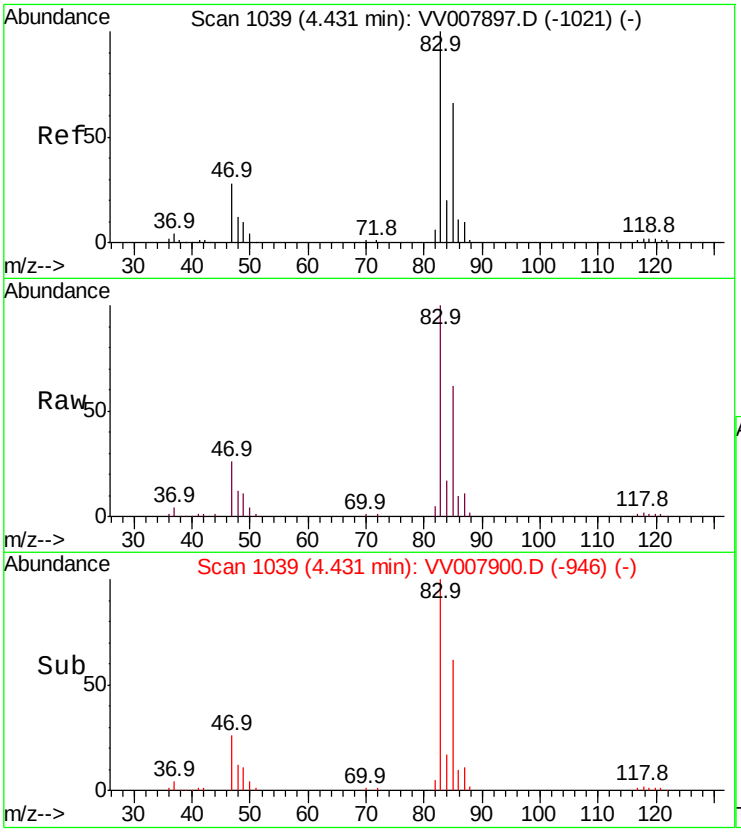


#23
Bromochloromethane
Concen: 5.349 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:128 Resp: 16469

Ion	Ratio	Lower	Upper
128	100		
49	147.7	112.8	209.4
130	130.2	92.3	171.5
51	46.9	38.4	57.6



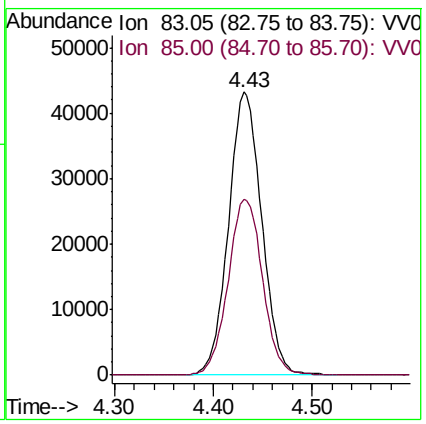


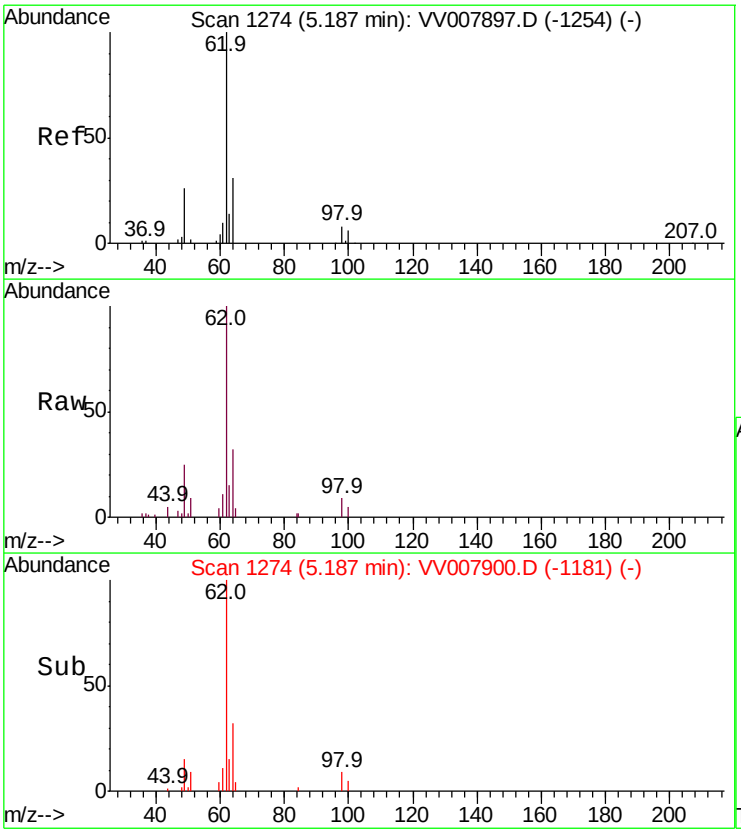
#25
Chloroform
Concen: 7.851 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 83 Resp: 101297

Ion	Ratio	Lower	Upper
83	100		
85	62.3	44.8	83.2

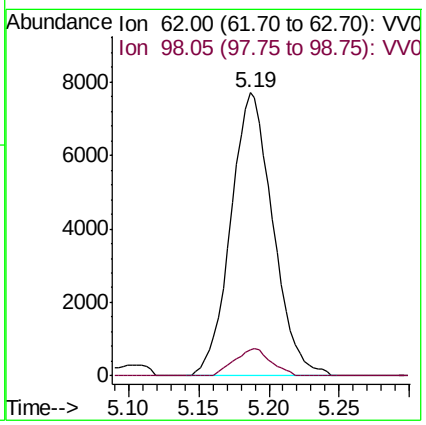


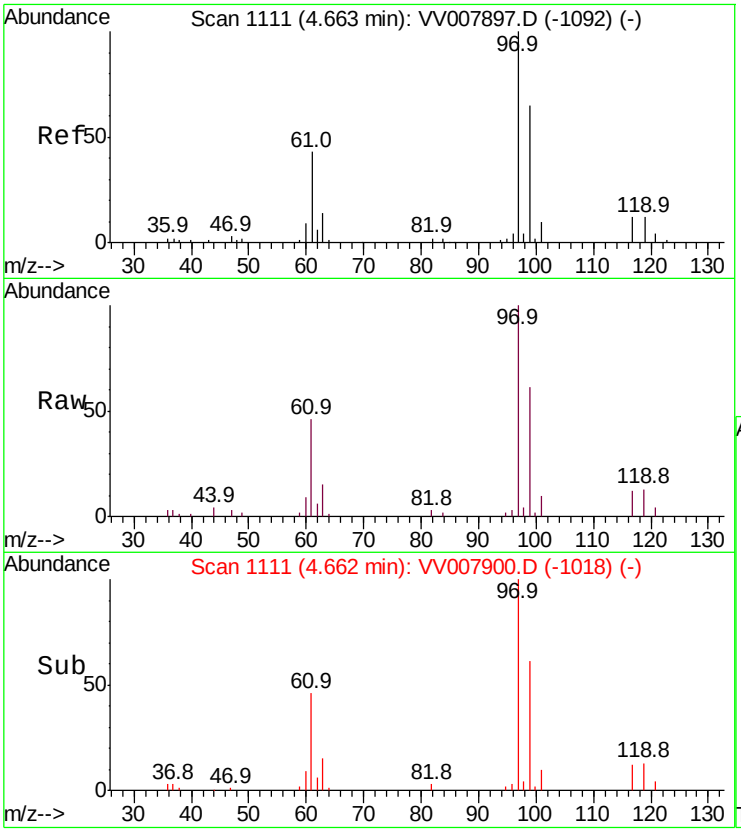


#27
1,2-Dichloroethane
Concen: 1.941 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 62 Resp: 16117

Ion	Ratio	Lower	Upper
62	100		
98	9.3	6.6	10.0



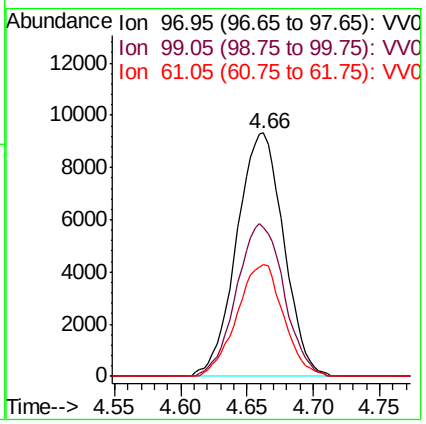


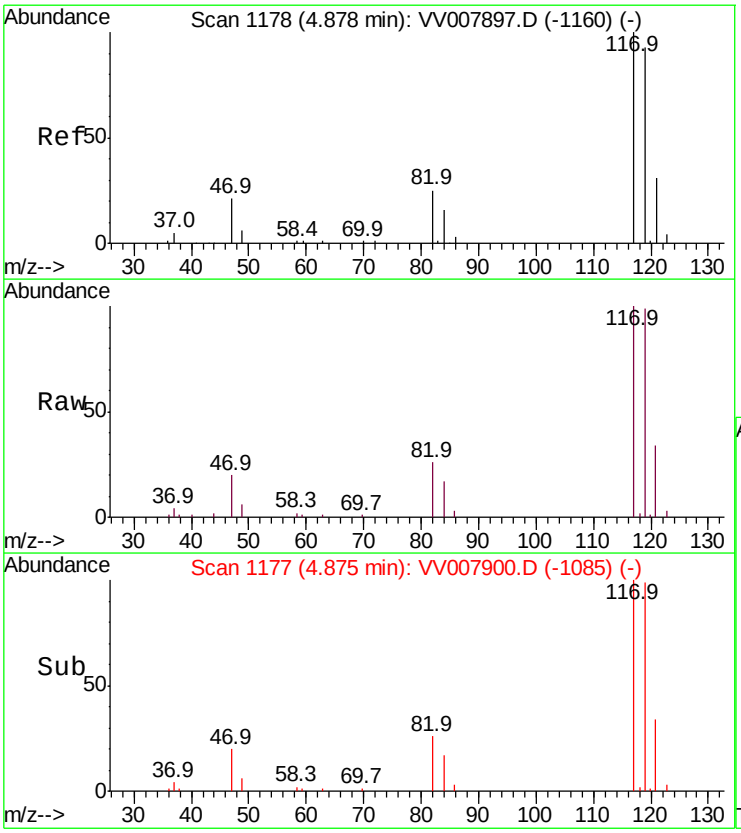
#29
1,1,1-Trichloroethane
Concen: 2.070 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 22942

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	45.4	34.6	52.0

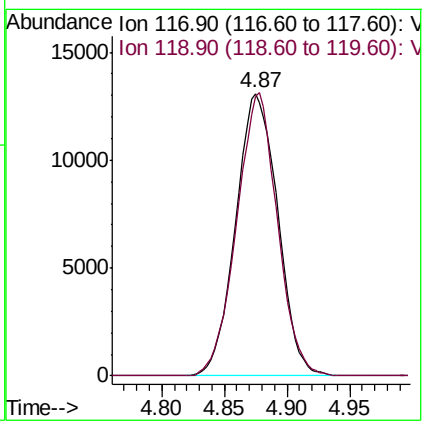


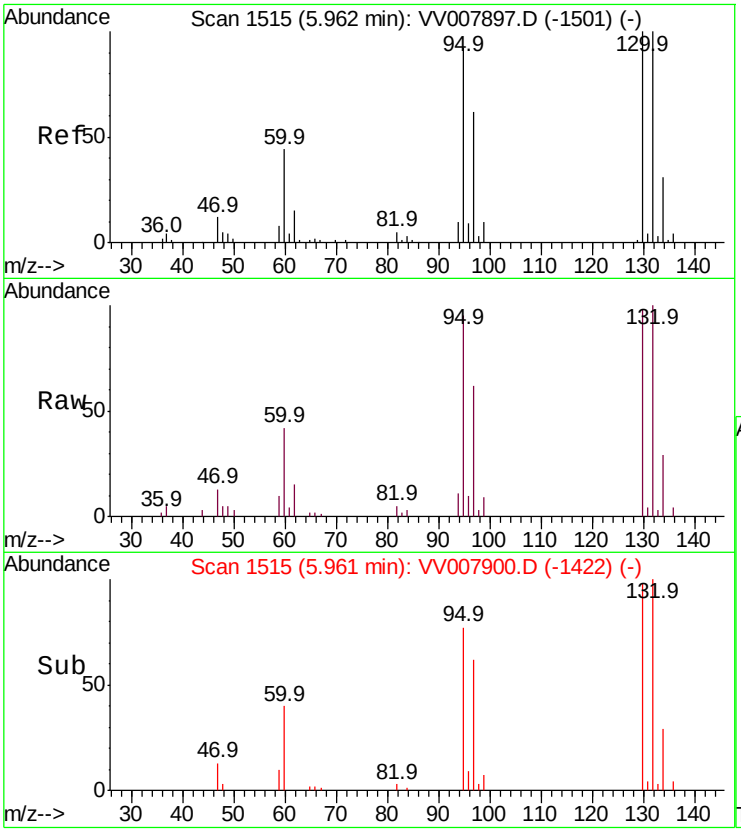


#31
Carbon tetrachloride
Concen: 3.119 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:117 Resp: 30478

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.8



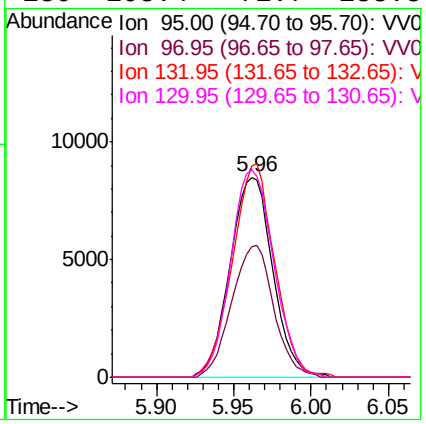


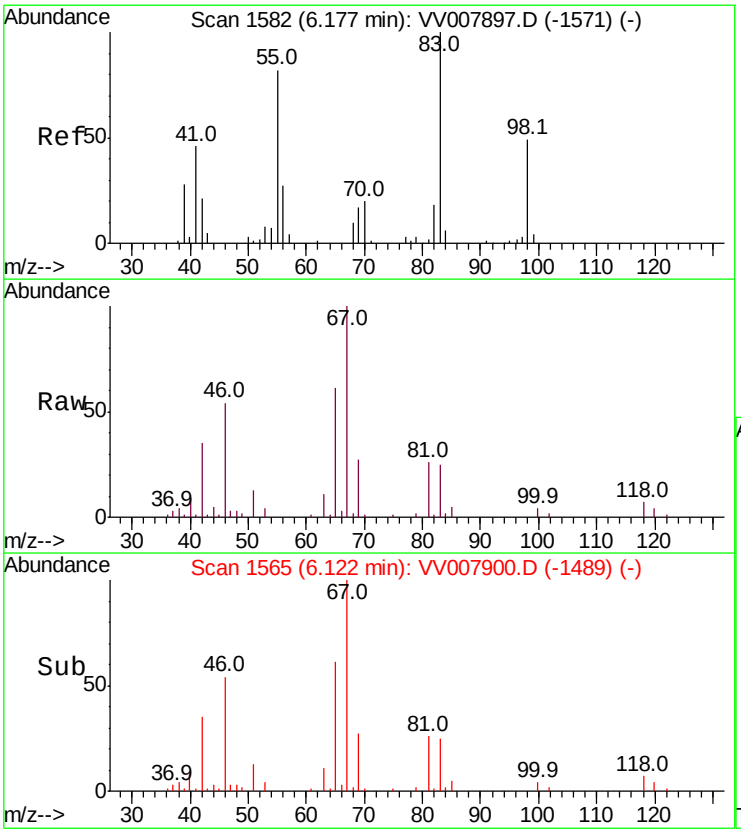
#34
Trichloroethene
Concen: 2.161 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 16336

Ion	Ratio	Lower	Upper
95	100		
97	65.2	43.6	81.0
132	105.7	69.9	129.9
130	103.4	71.7	133.3

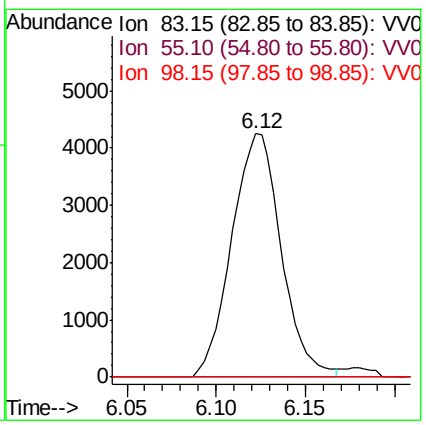


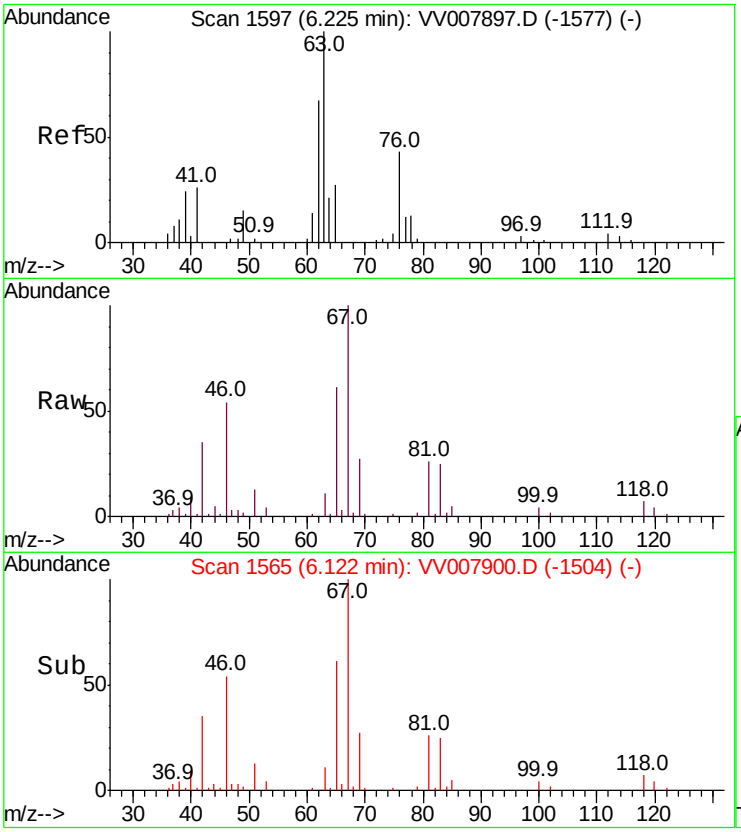


#35
Methylcyclohexane
Concen: 0.724 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 83 Resp: 8208

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.2	93.2#
98	3.7	38.0	57.0#



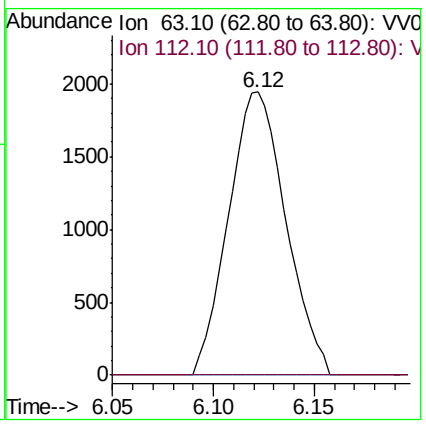


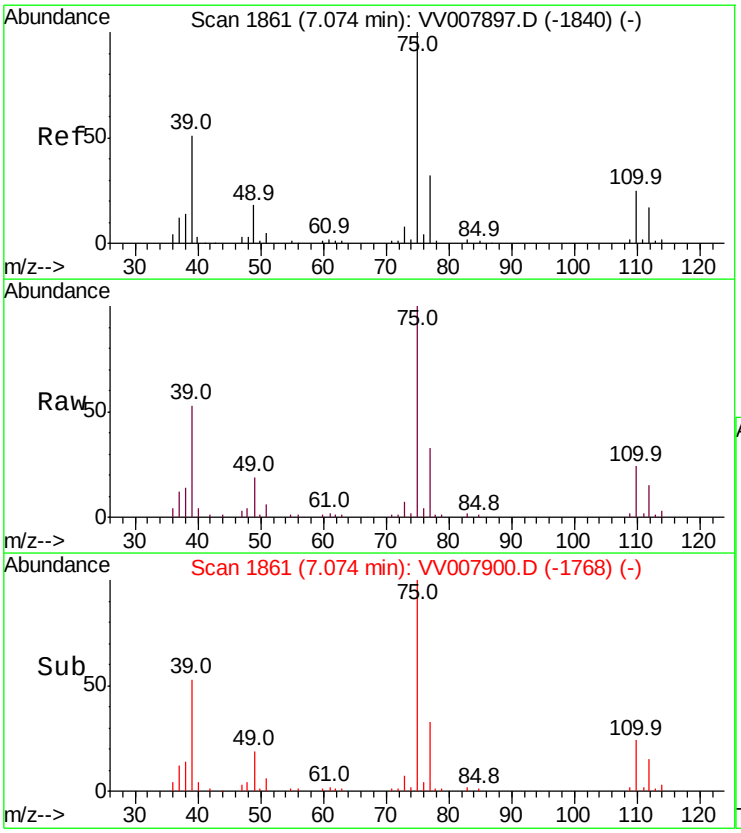
#37
1,2-Dichloropropane
Concen: 0.573 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion: 63 Resp: 3866

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.0#

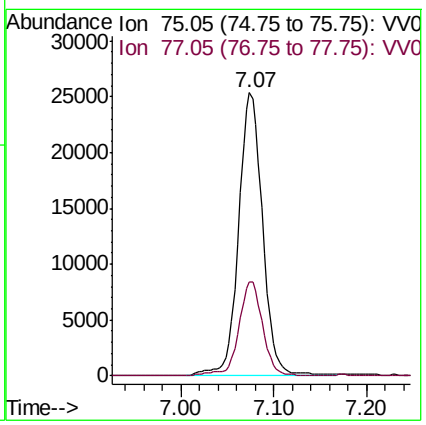


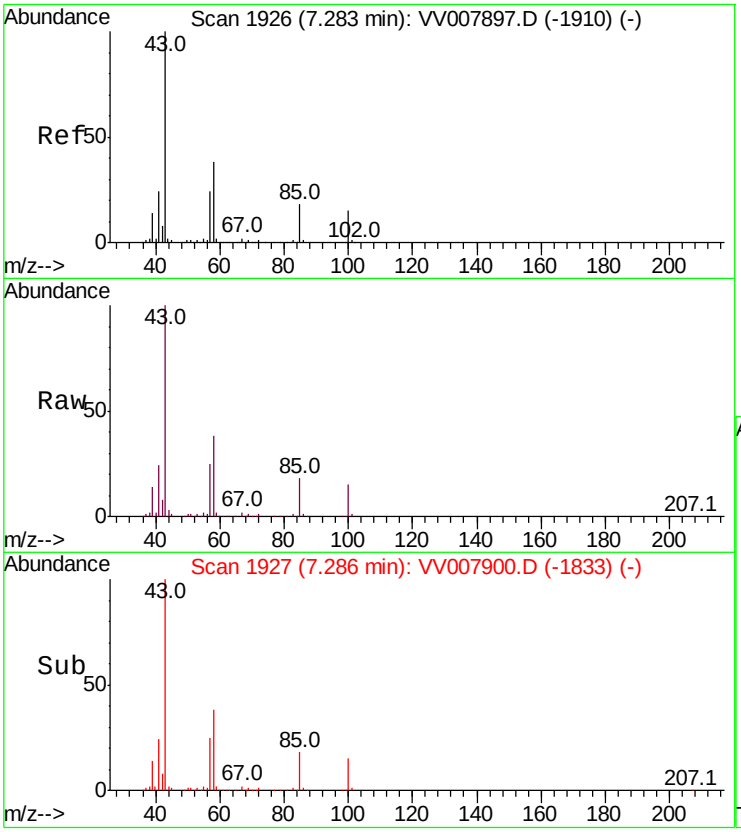


#39
cis-1,3-Dichloropropene
Concen: 5.059 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 75 Resp: 45633

Ion	Ratio	Lower	Upper
75	100		
77	33.3	22.9	42.5



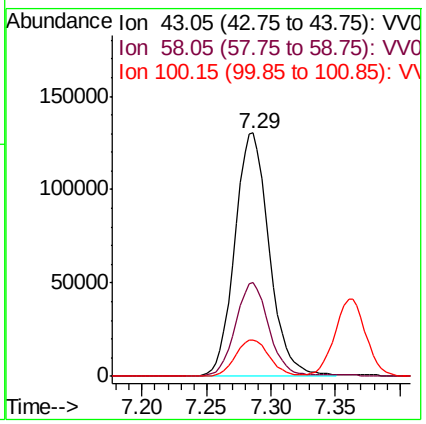


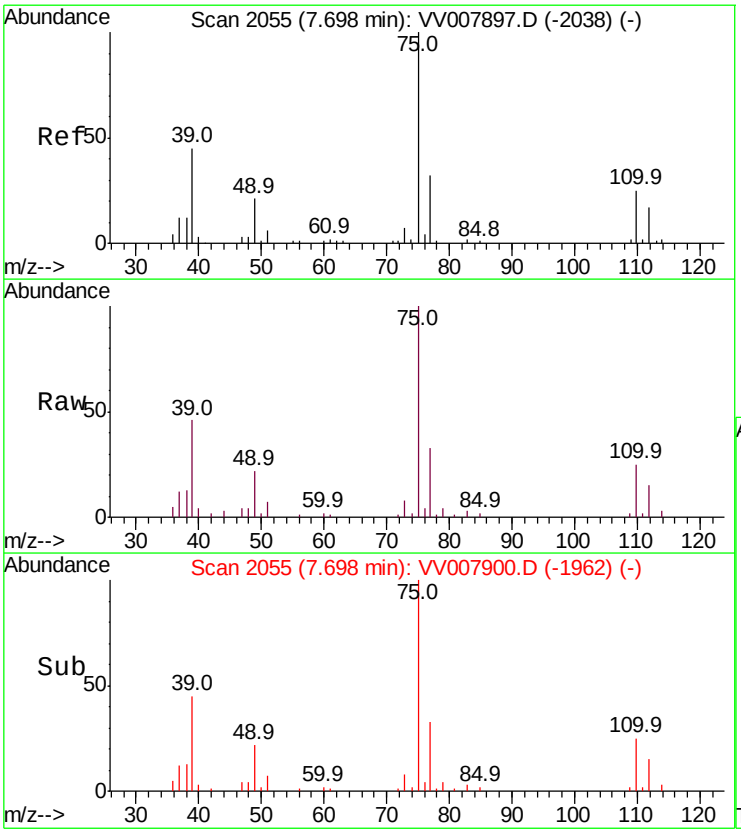
#40
4-Methyl-2-pentanone
Concen: 57.252 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 242319

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.4	44.0
100	14.8	11.5	17.3

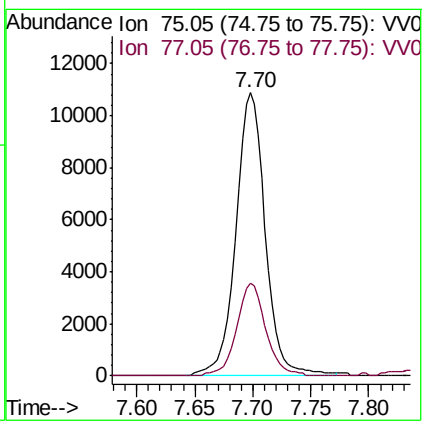


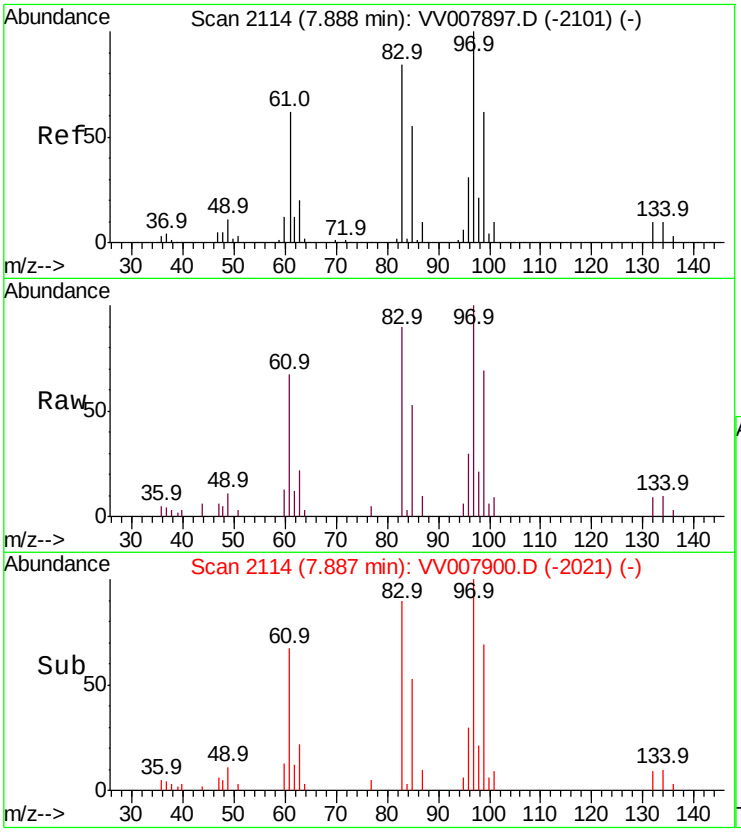


#44
trans-1,3-Dichloropropene
Concen: 2.551 ug/L
RT: 7.70 min Scan# 2055
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 75 Resp: 19127

Ion	Ratio	Lower	Upper
75	100		
77	32.8	22.3	41.5



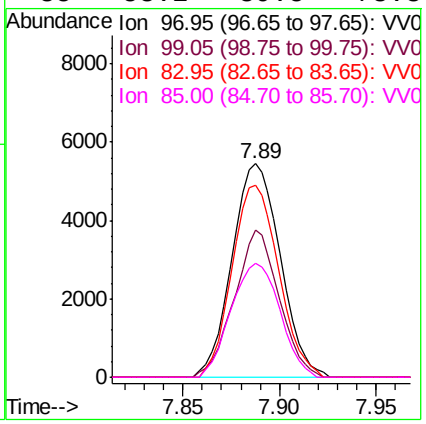


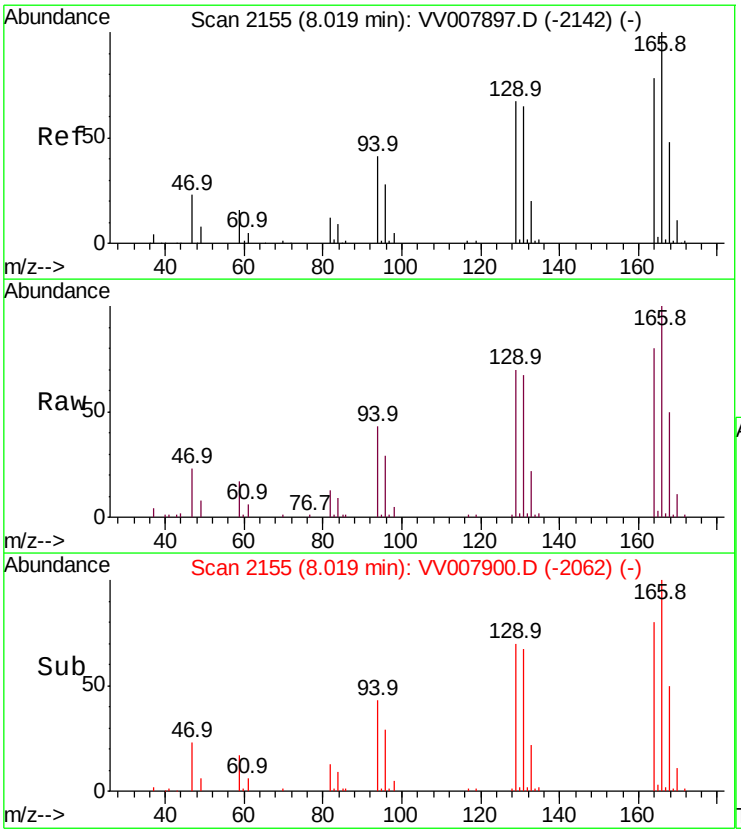
#45
1,1,2-Trichloroethane
Concen: 1.936 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 9424

Ion	Ratio	Lower	Upper
97	100		
99	68.7	43.5	80.9
83	90.0	59.7	110.9
85	53.2	39.5	73.3

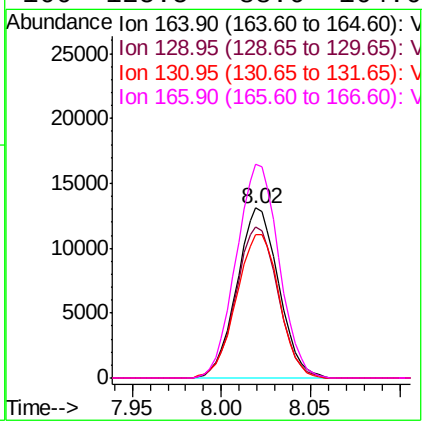


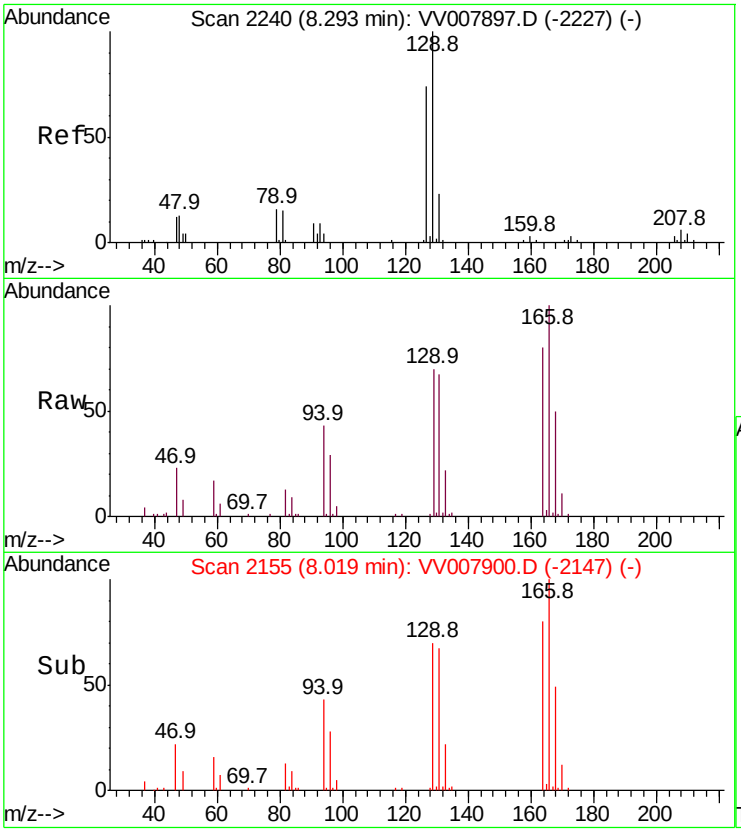


#47
Tetrachloroethene
Concen: 3.053 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:164 Resp: 21386

Ion	Ratio	Lower	Upper
164	100		
129	88.4	59.2	110.0
131	84.3	57.1	106.1
166	125.5	88.6	164.6



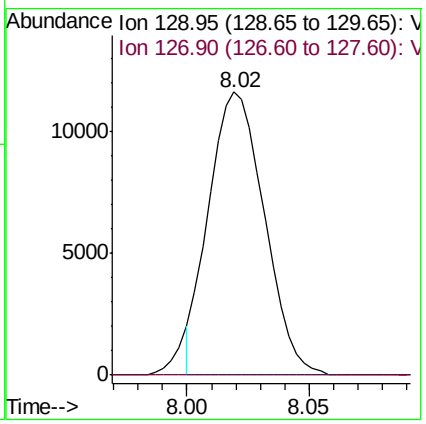


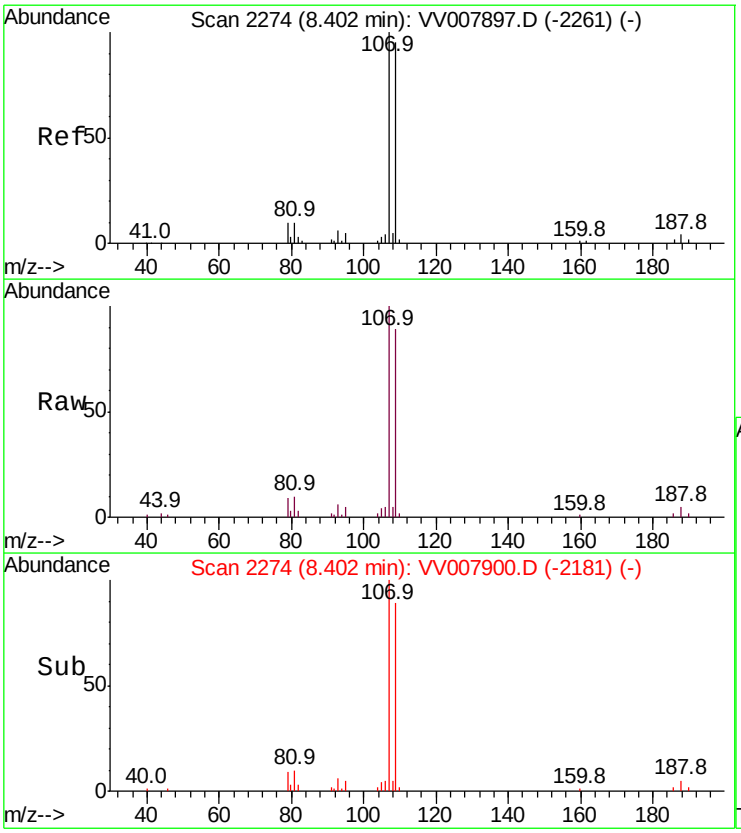
#49
Dibromochloromethane
Concen: 3.307 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:129 Resp: 18370

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.1	98.5#

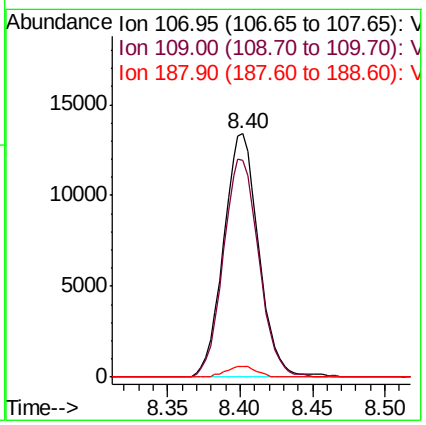


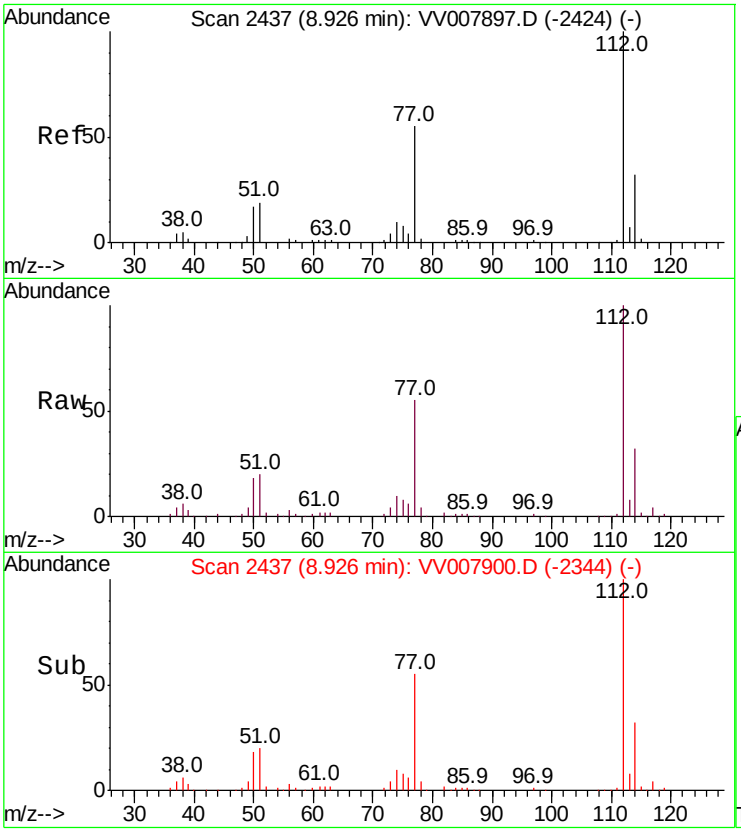


#50
1,2-Dibromoethane
Concen: 5.067 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:107 Resp: 22538

Ion	Ratio	Lower	Upper
107	100		
109	89.1	64.9	120.5
188	4.5	4.0	6.0



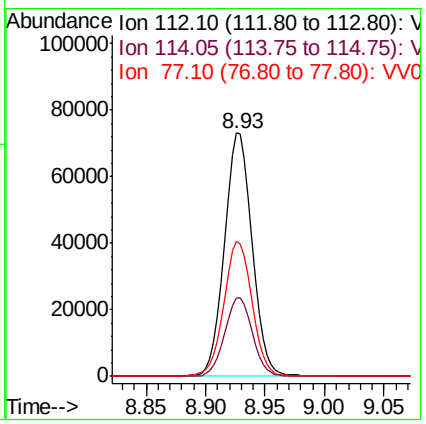


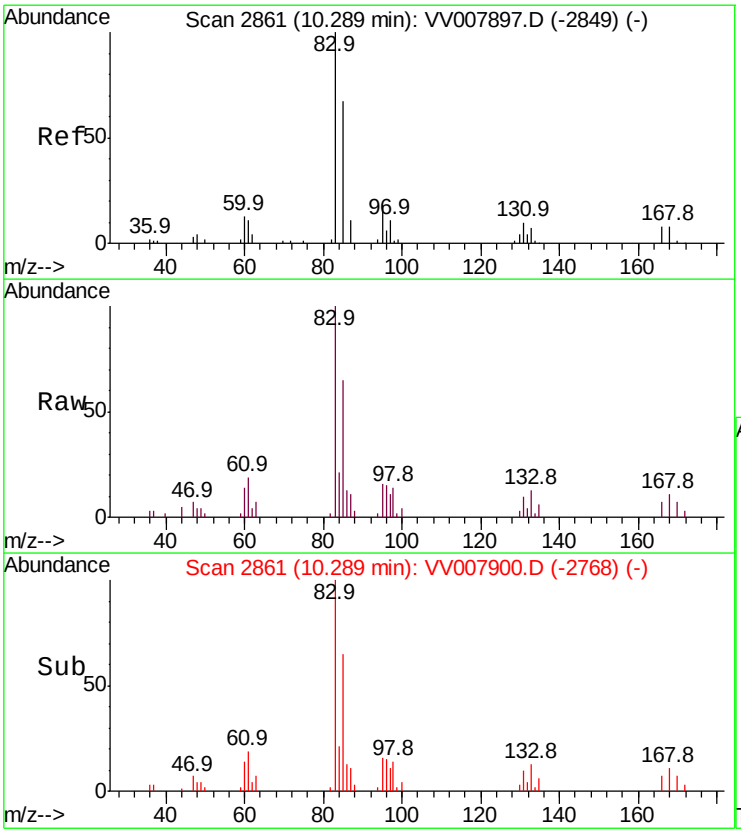
#51
Chlorobenzene
Concen: 5.950 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId :

Tgt Ion:112 Resp: 118141

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	55.5	45.0	67.6

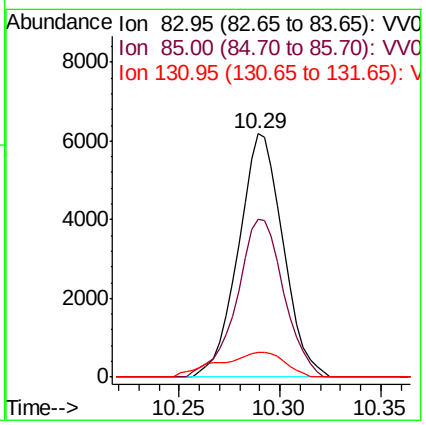


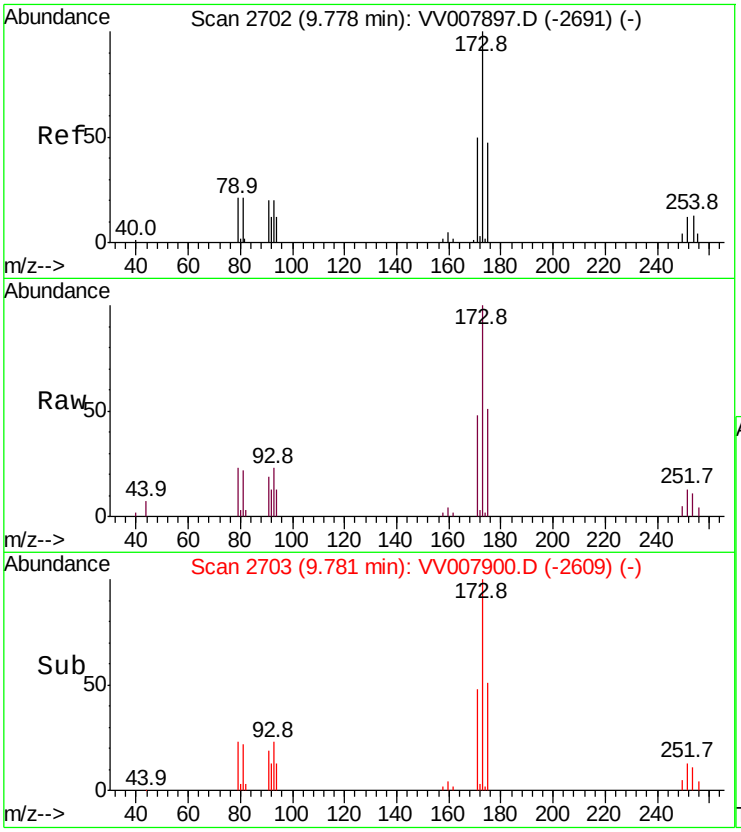


#58
1,1,2,2-Tetrachloroethane
Concen: 1.677 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 83 Resp: 9584

Ion	Ratio	Lower	Upper
83	100		
85	65.0	43.7	81.1
131	10.0	9.0	13.4



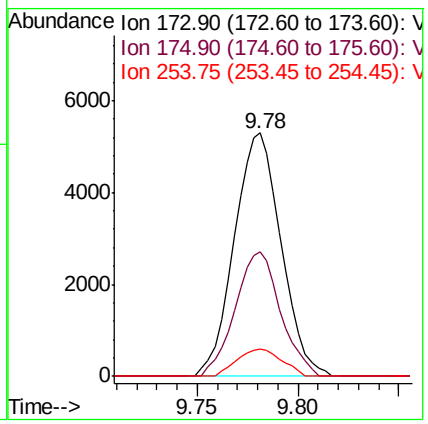


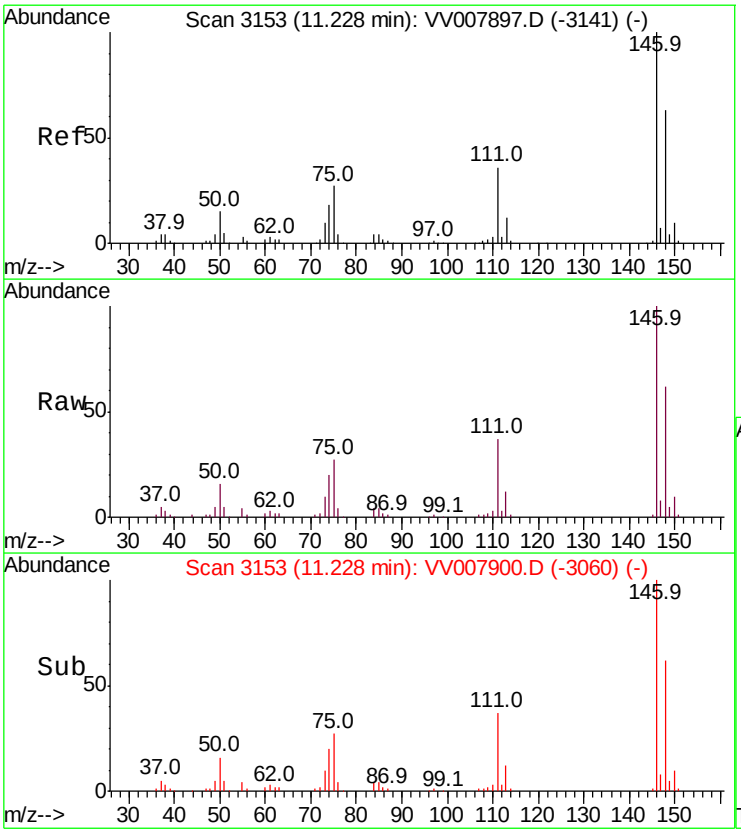
#61
Bromoform
Concen: 2.936 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:173 Resp: 8592

Ion	Ratio	Lower	Upper
173	100		
175	49.5	41.0	61.6
254	10.8	9.6	14.4

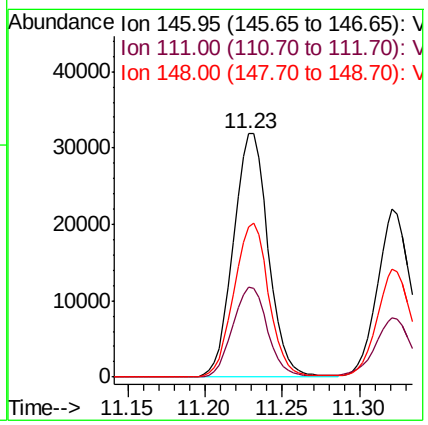


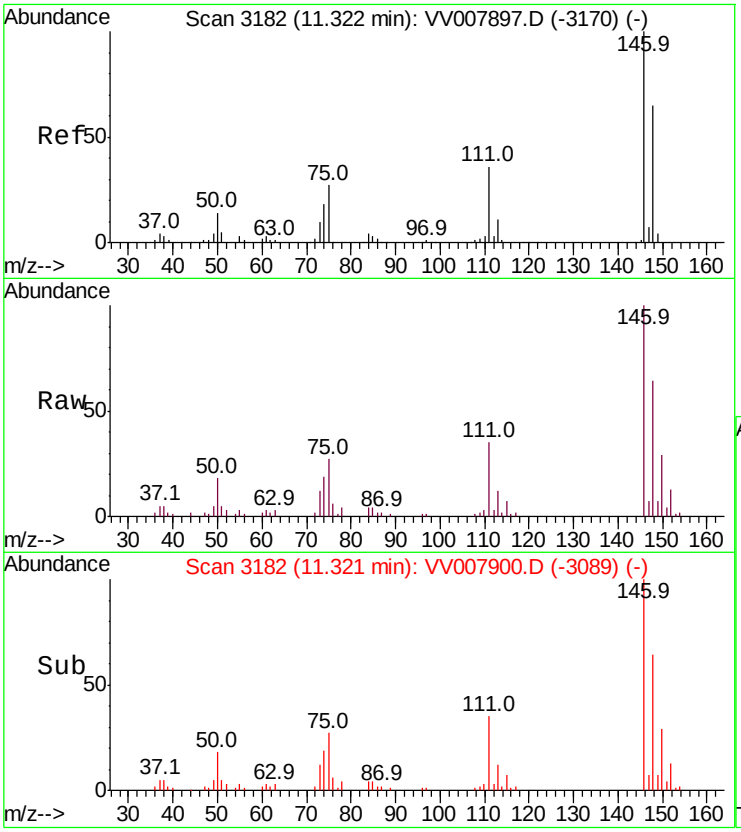


#62
1,3-Dichlorobenzene
Concen: 3.104 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:146 Resp: 49934

Ion	Ratio	Lower	Upper
146	100		
111	37.0	25.8	48.0
148	61.6	44.7	82.9



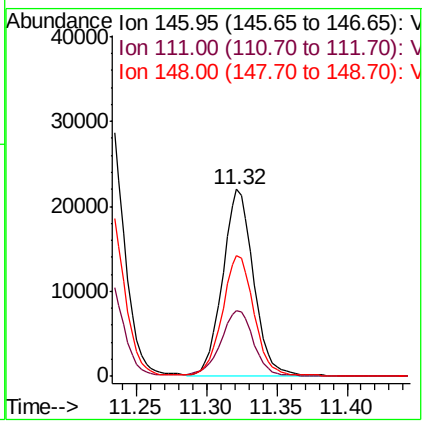


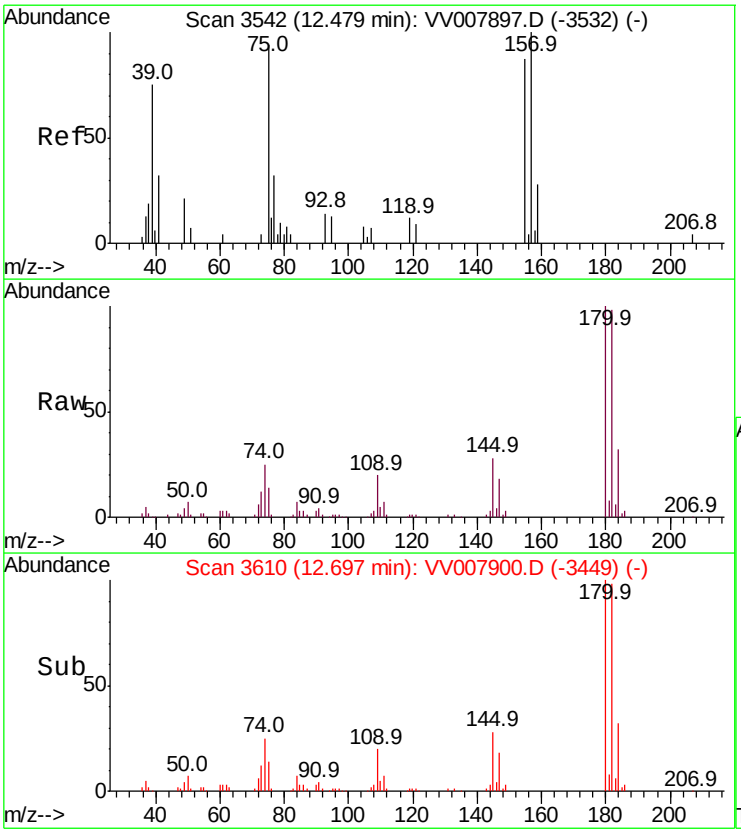
#63
1,4-Dichlorobenzene
Concen: 2.027 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 33912

Ion	Ratio	Lower	Upper
146	100		
111	35.2	25.3	47.1
148	64.4	44.7	82.9

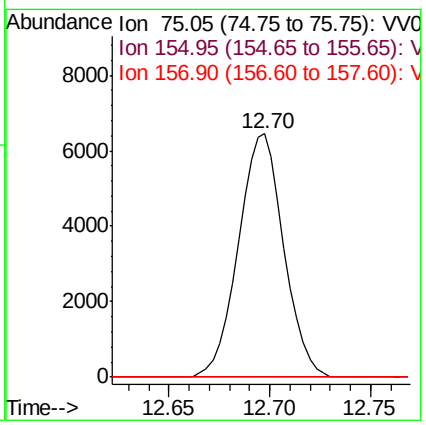


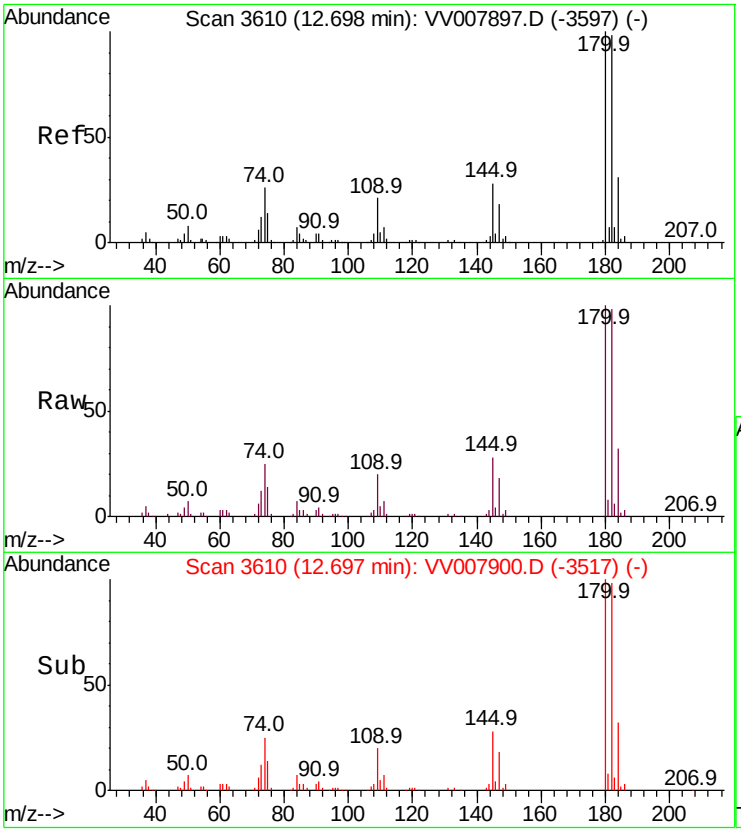


#66
1,2-Dibromo-3-chloropropane
Concen: 13.089 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. 0.22 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion: 75 Resp: 10112

Ion	Ratio	Lower	Upper
75	100		
155	0.0	83.4	125.2#
157	0.0	93.9	140.9#



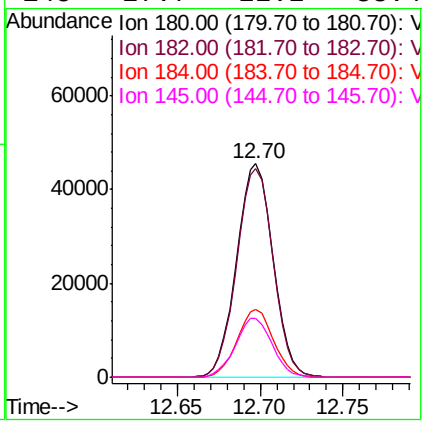


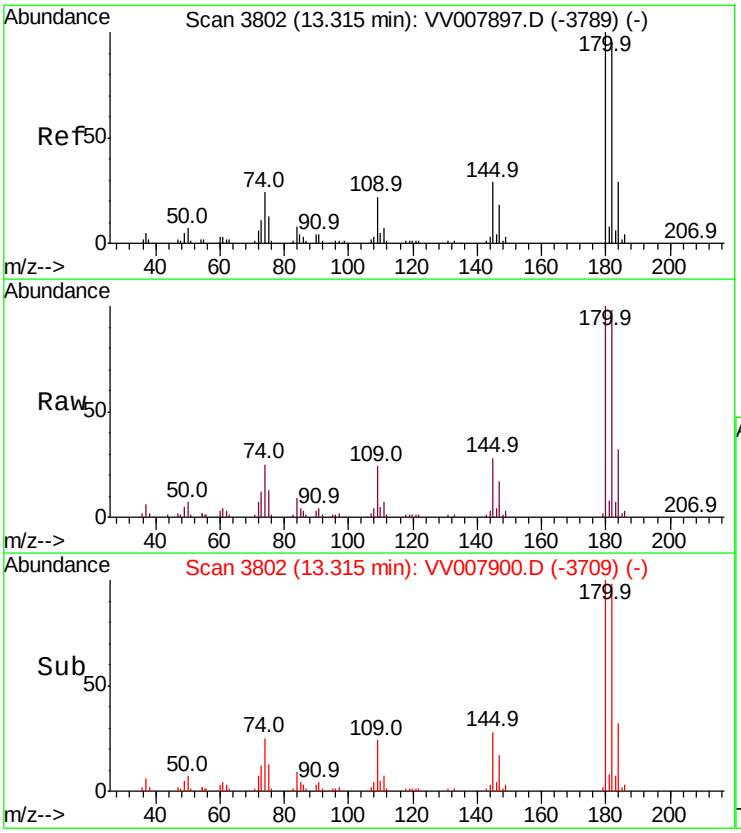
#67
1,3,5-Trichlorobenzene
Concen: 5.071 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 69856

Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.2	114.4
184	31.6	24.5	36.7
145	27.7	22.2	33.4

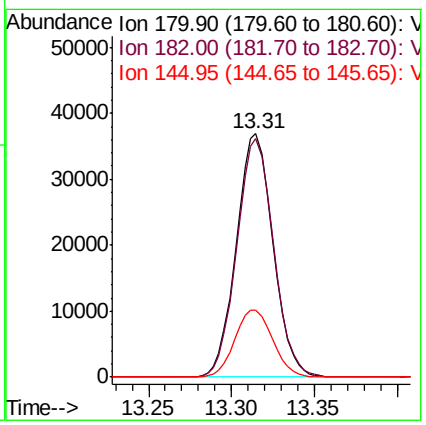


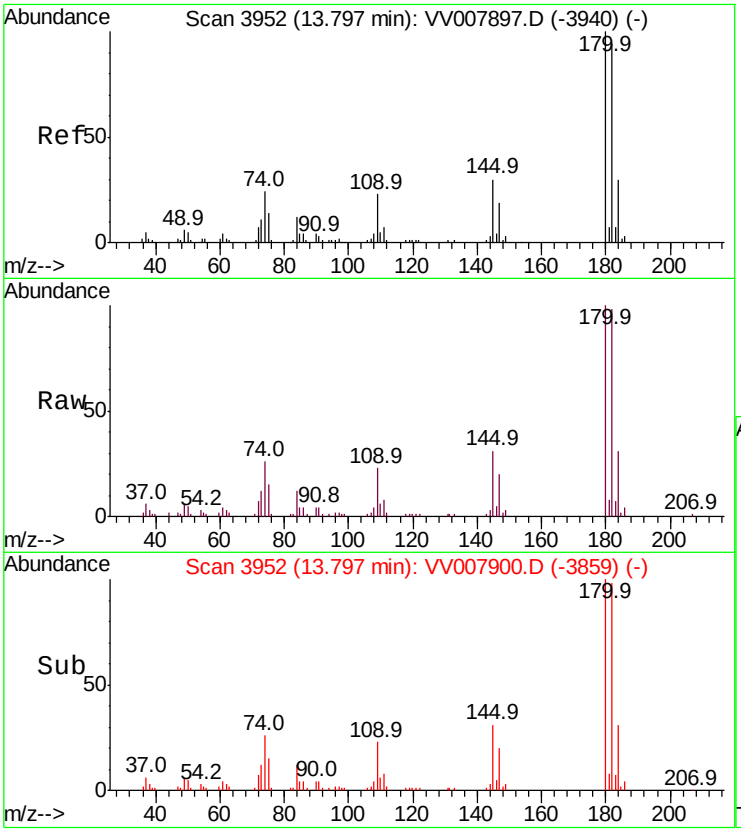


#68
1,2,4-trichlorobenzene
Concen: 4.880 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Tgt Ion:180 Resp: 56812

Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.4	116.2
145	28.4	22.6	33.8





#70
1,2,3-Trichlorobenzene
Concen: 2.928 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV007900.D
Acq: 27 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 30869

Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.7	113.5
145	30.4	23.4	35.0