Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120718\
Data File : VV008877.D
Acq On : 07 Dec 2018 15:52
Operator : SY/MD
Sample : J6096-28
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A4120

Quant Time: Dec 07 22:22:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 07 22:19:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112055	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104743	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49792	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	26106	4.37	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.40%			
7) Chloroethane-d5	1.58	69	20848	4.73	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 94.60%			
11) 1,1-Dichloroethene-d2	2.13	63	66616	5.78	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 115.60%			
20) 2-Butanone-d5	3.98	46	75554	51.19	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 102.38%			
24) Chloroform-d	4.40	84	66106	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.20%			
26) 1,2-Dichloroethane-d4	5.08	65	32439	4.94	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.80%			
32) Benzene-d6	5.10	84	130217	4.75	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.00%			
36) 1,2-Dichloropropane-d6	6.12	67	39228	4.88	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.60%			
41) Toluene-d8	7.36	98	117184	4.52	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.40%			
43) trans-1,3-Dichloropropene-	7.66	79	14609	4.82	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 96.40%			
46) 2-Hexanone-d5	8.14	63	60219	52.07	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 104.14%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25990	4.83	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.60%			
64) 1,2-Dichlorobenzene-d4	11.68	152	44727	4.88	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	22537	2.117	ug/L	99
3) Chloromethane	1.25	50	42541	6.032	ug/L	98
5) Vinyl chloride	1.32	62	33008	4.593	ug/L	97
6) Bromomethane	1.54	94	22022	5.228	ug/L	99
8) Chloroethane	1.60	64	17356	4.299	ug/L	98
9) Trichlorofluoromethane	1.77	101	106438	9.190	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	31191	4.950	ug/L	99
12) 1,1-Dichloroethene	2.14	96	36808	6.704	ug/L	100
16) Methylene chloride	2.54	84	23526	3.968	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	82970	6.155	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	44529	7.420	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	50031	6.090	ug/L	97
23) Bromochloromethane	4.30	128	6942	1.998	ug/L	93
25) Chloroform	4.43	83	64592	4.543	ug/L	100
27) 1,2-Dichloroethane	5.18	62	39694	4.892	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	63498	5.119	ug/L	98
31) Carbon tetrachloride	4.87	117	56625	5.071	ug/L	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120718\
Data File : VV008877.D
Acq On : 07 Dec 2018 15:52
Operator : SY/MD
Sample : J6096-28
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A4120

Quant Time: Dec 07 22:22:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 07 22:19:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Trichloroethene	5.96	95	69294	8.000	ug/L		99
35) Methylcyclohexane	6.12	83	9607	0.701	ug/L	#	20
37) 1,2-Dichloropropane	6.22	63	34857	4.776	ug/L		100
38) Bromodichloromethane	6.56	83	17920	1.995	ug/L		98
39) cis-1,3-Dichloropropene	7.07	75	18043	1.764	ug/L		100
42) Toluene	7.43	91	96597	3.005	ug/L		99
45) 1,1,2-Trichloroethane	7.88	97	41063	8.013	ug/L		97
47) Tetrachloroethene	8.02	164	35596	5.122	ug/L		96
49) Dibromochloromethane	8.29	129	34270	5.718	ug/L		94
52) Ethylbenzene	9.05	91	354487	10.100	ug/L		100
53) m,p-xylene	9.05	106	110281	8.226	ug/L	#	25
54) o-xylene	9.59	106	39177	3.064	ug/L		100
55) Styrene	9.60	104	66303	3.134	ug/L		97
56) Isopropylbenzene	9.97	105	253652	7.332	ug/L		100
58) 1,1,2,2-Tetrachloroethane	10.29	83	23374	4.520	ug/L		98
59) 1,2,3-Trichloropropane	10.26	75	5100	1.171	ug/L	#	1
62) 1,3-Dichlorobenzene	11.23	146	33383	2.074	ug/L		98
63) 1,4-Dichlorobenzene	11.23	146	33383	2.028	ug/L		96
65) 1,2-Dichlorobenzene	11.69	146	30380	2.043	ug/L		96

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

Quantitation Report (Not Reviewed)

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Acq On : 07 Dec 2018 15:52
Operator : SY/MD
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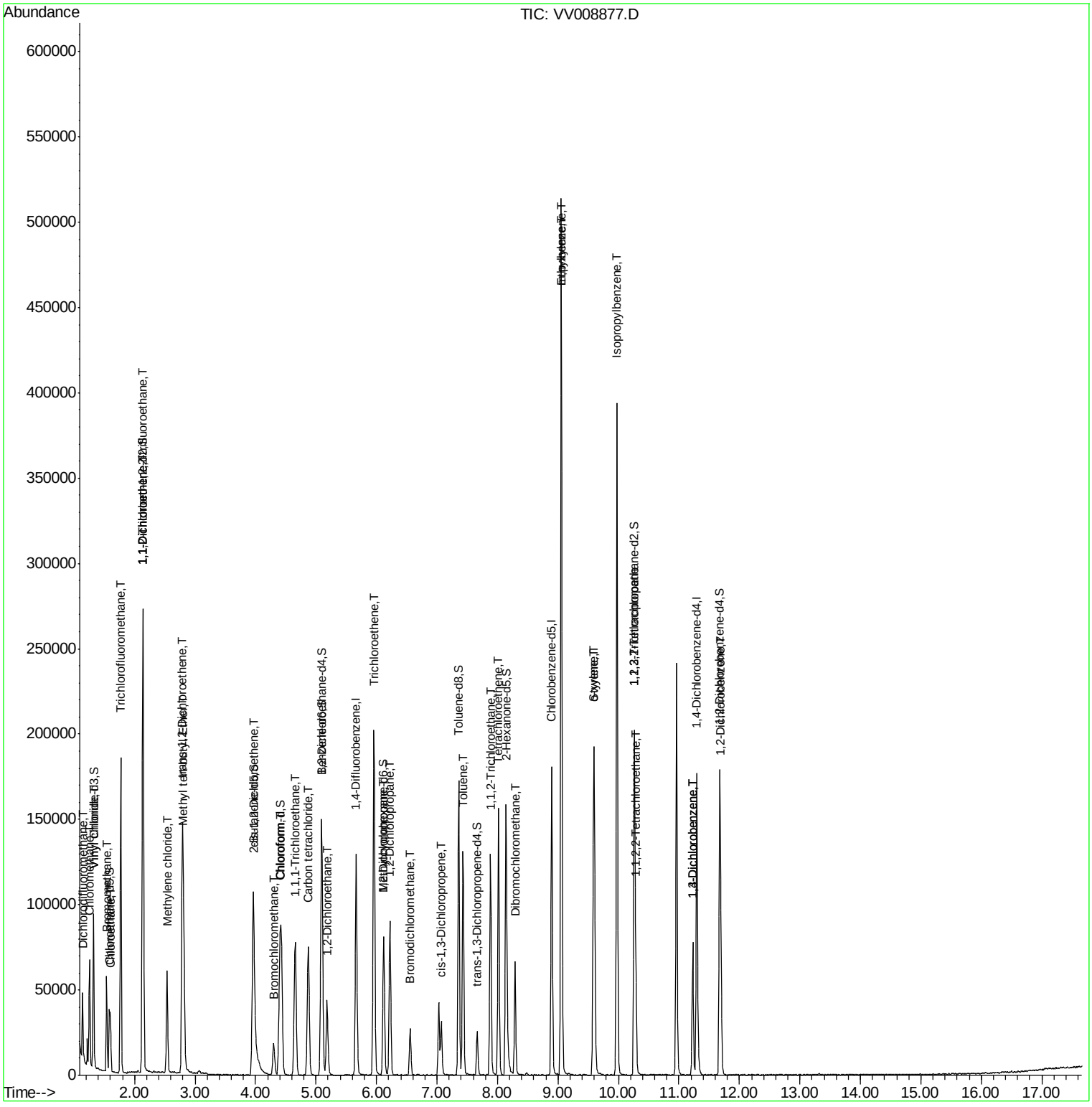
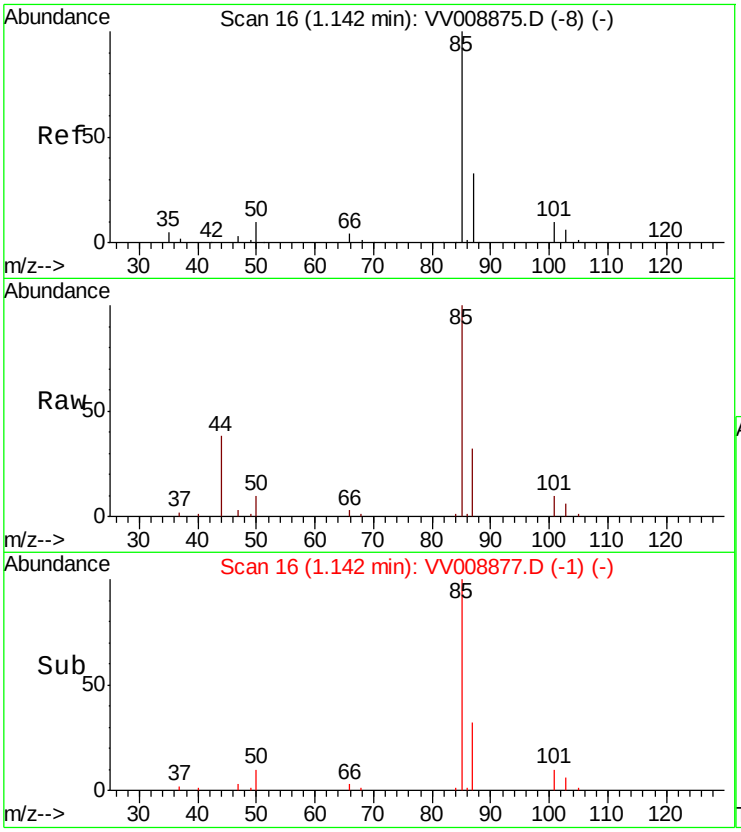
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 07 22:19:33 2018
Response via : Initial Calibration



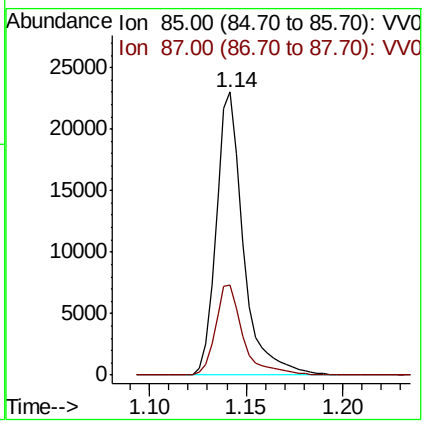


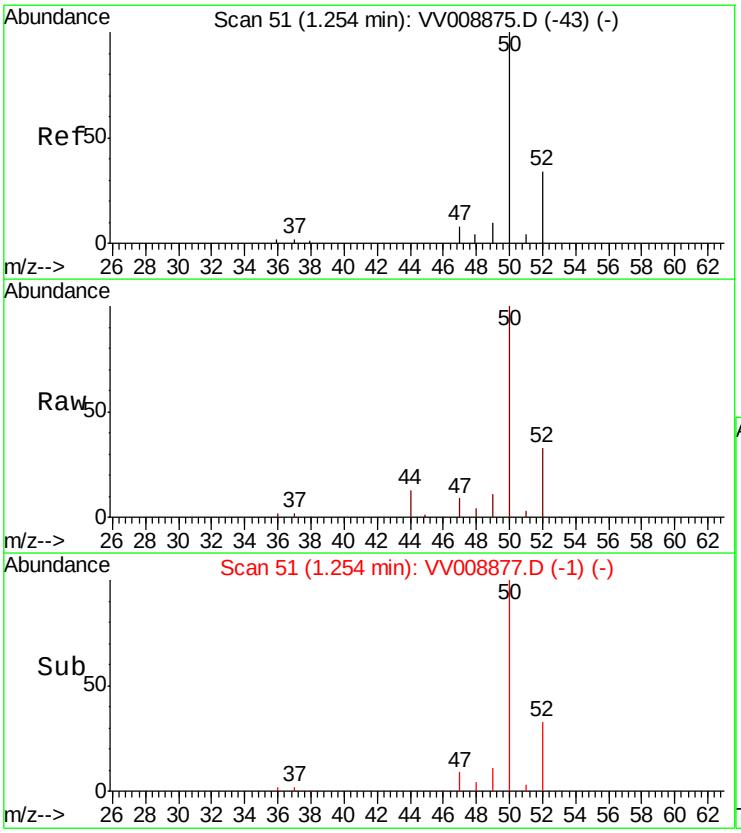
#2
Dichlorodifluoromethane
Concen: 2.117 ug/L
RT: 1.14 min Scan# 16
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion: 85 Resp: 22537

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.3	39.5

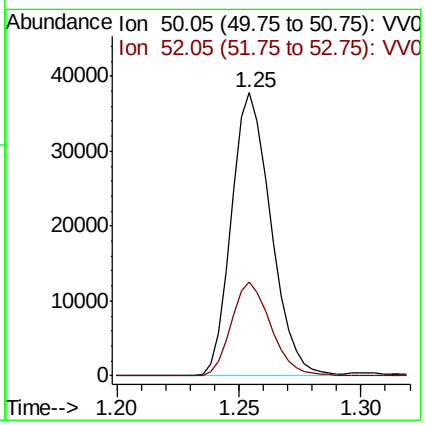


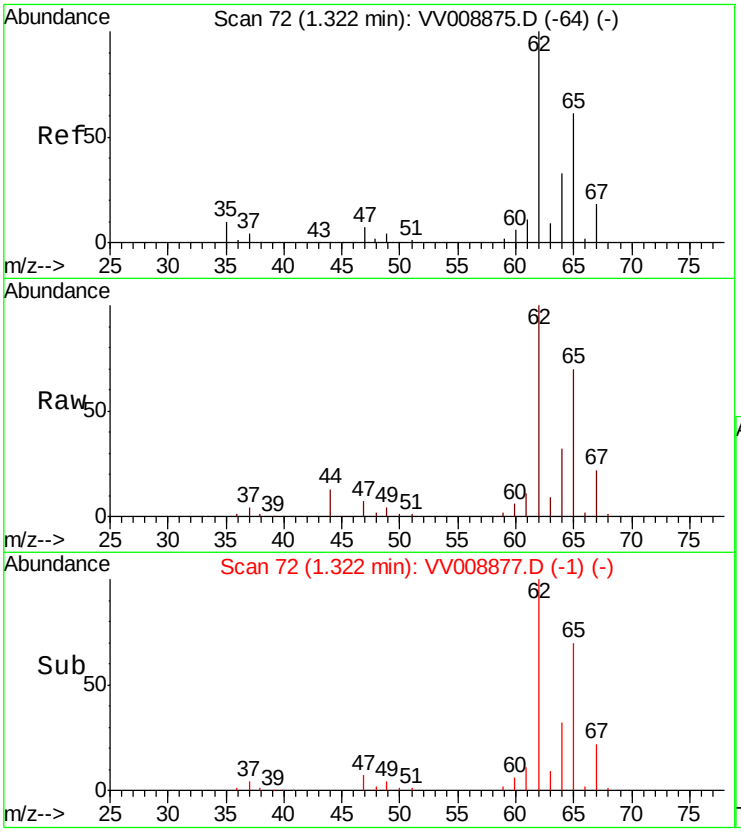


#3
Chloromethane
Concen: 6.032 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 50 Resp: 42541

Ion	Ratio	Lower	Upper
50	100		
52	33.1	23.9	44.5



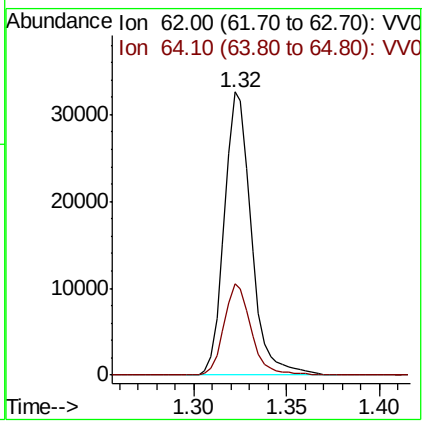


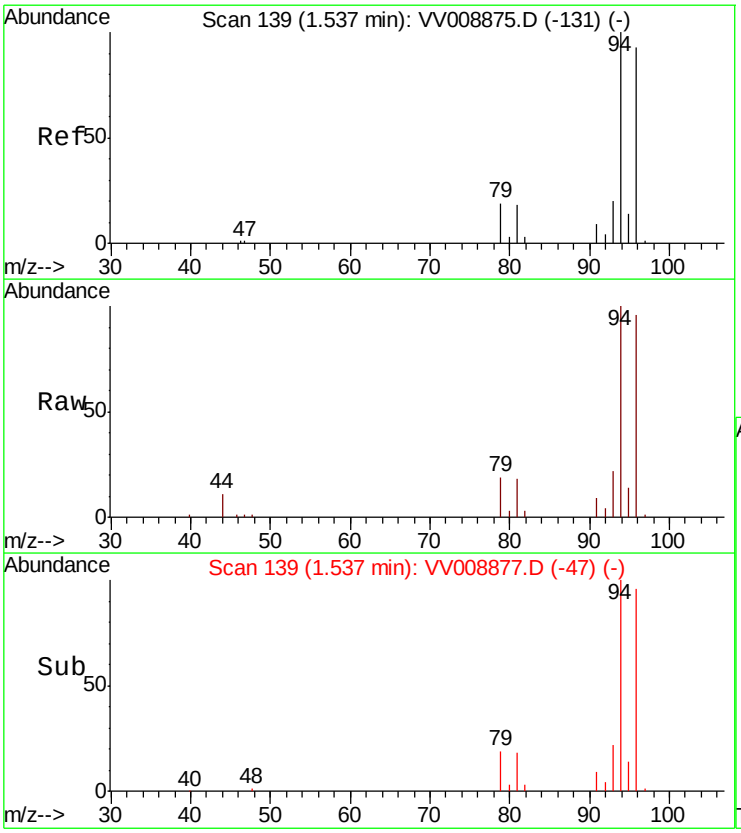
#5
Vinyl chloride
Concen: 4.593 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion: 62 Resp: 33008

Ion	Ratio	Lower	Upper
62	100		
64	32.3	23.9	44.3

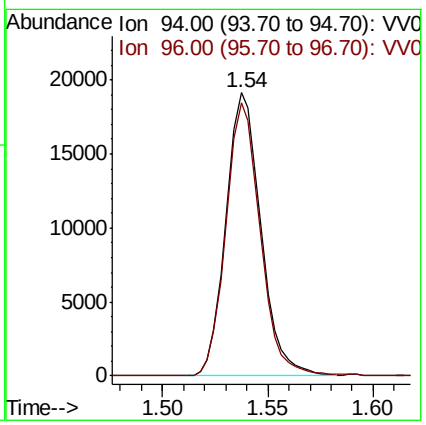


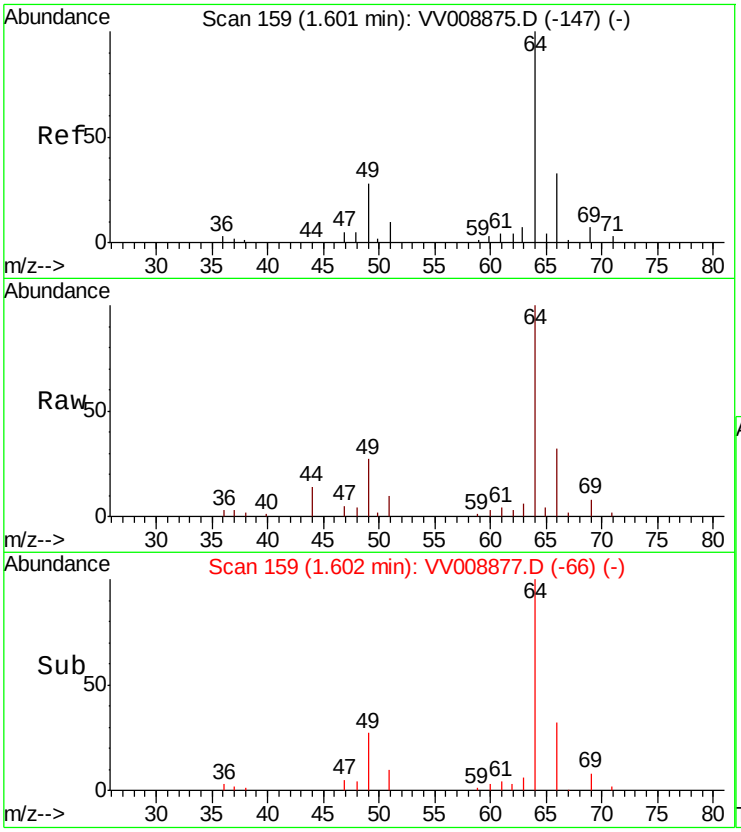


#6
Bromomethane
Concen: 5.228 ug/L
RT: 1.54 min Scan# 139
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 94 Resp: 22022

Ion	Ratio	Lower	Upper
94	100		
96	96.3	67.0	124.4



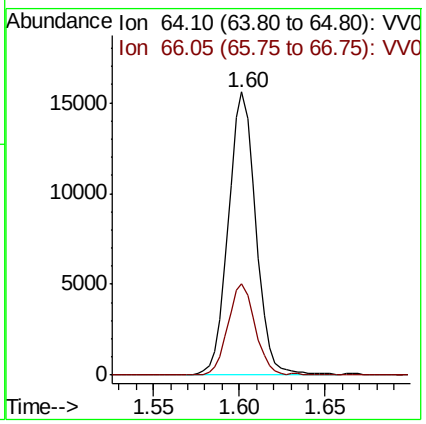


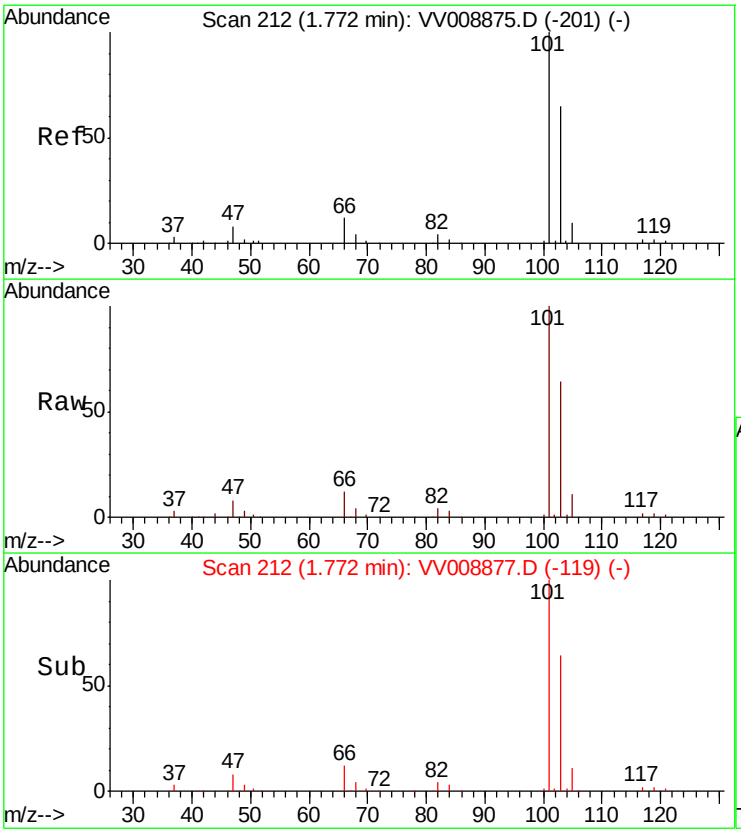
#8
Chloroethane
Concen: 4.299 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion: 64 Resp: 17356

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.4	43.6

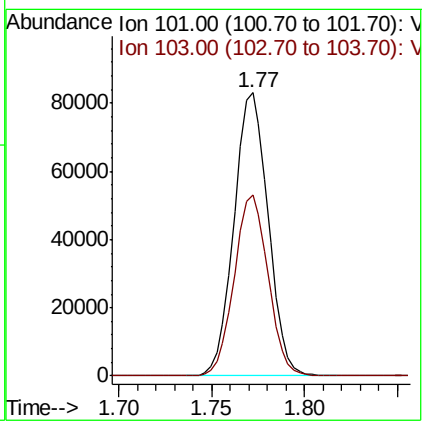


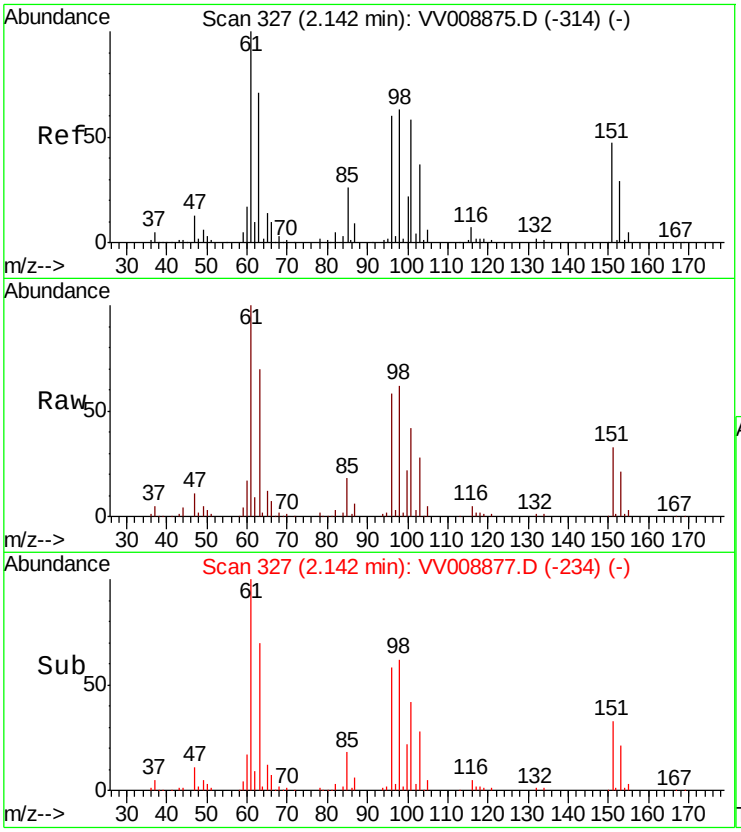


#9
Trichlorofluoromethane
Concen: 9.190 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion:101 Resp: 106438

Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.5	78.7



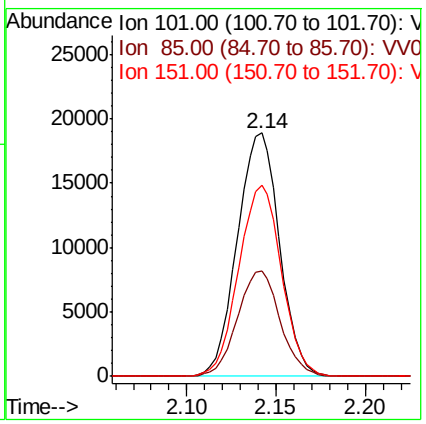


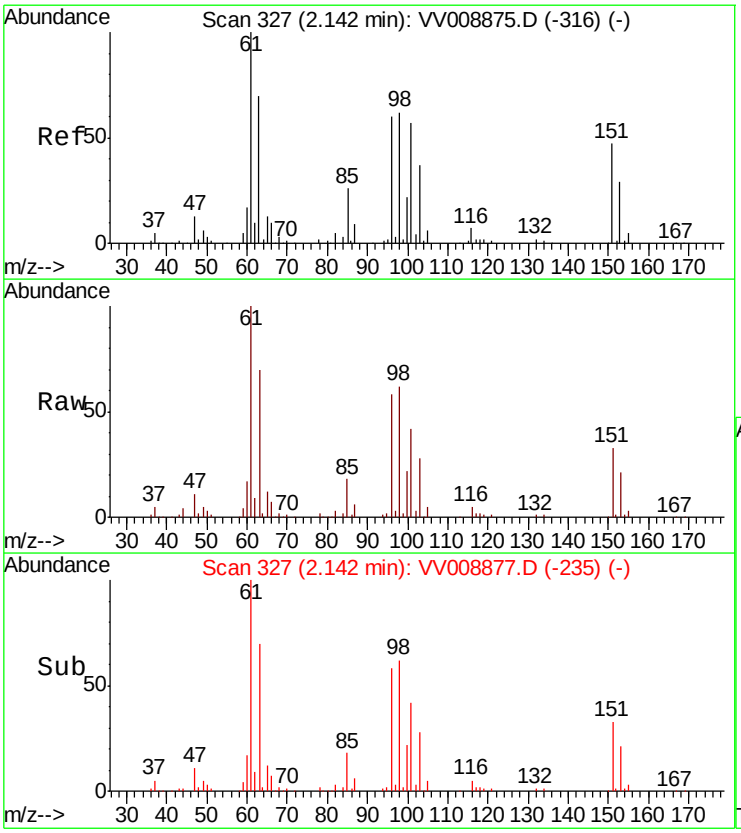
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.950 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion:101 Resp: 31191

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.0	52.6
151	79.7	65.1	97.7

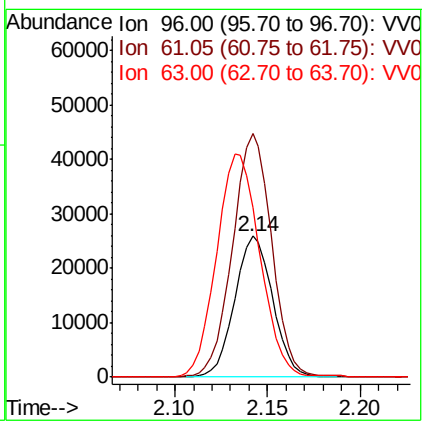


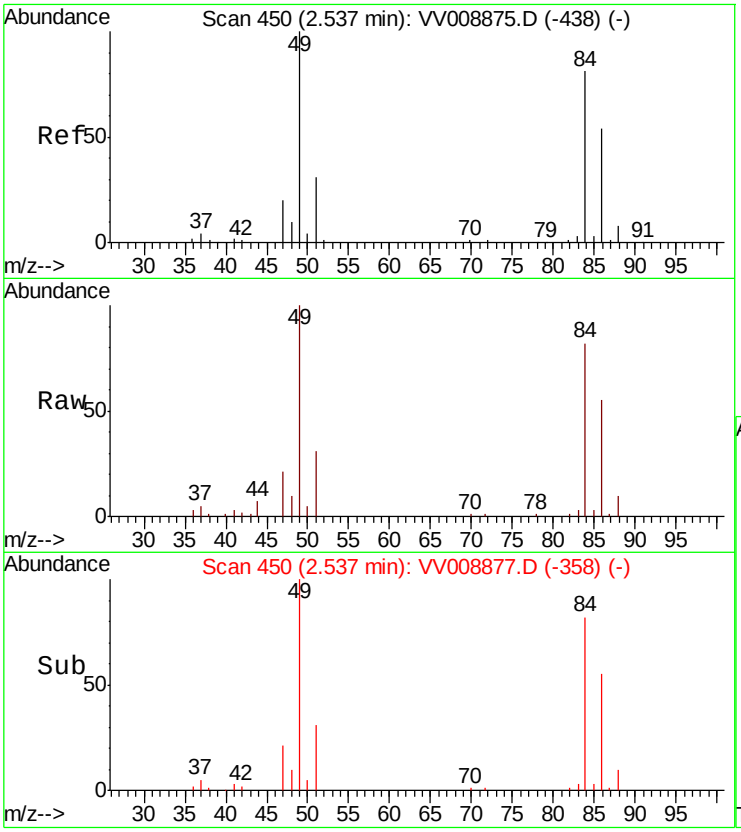


#12
1,1-Dichloroethene
Concen: 6.704 ug/L
RT: 2.14 min Scan# 327
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 96 Resp: 36808

Ion	Ratio	Lower	Upper
96	100		
61	172.9	120.8	224.4
63	120.6	85.0	158.0



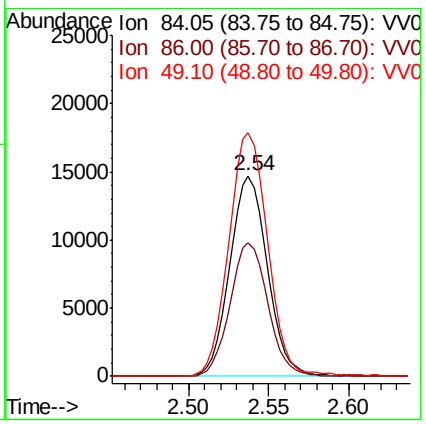


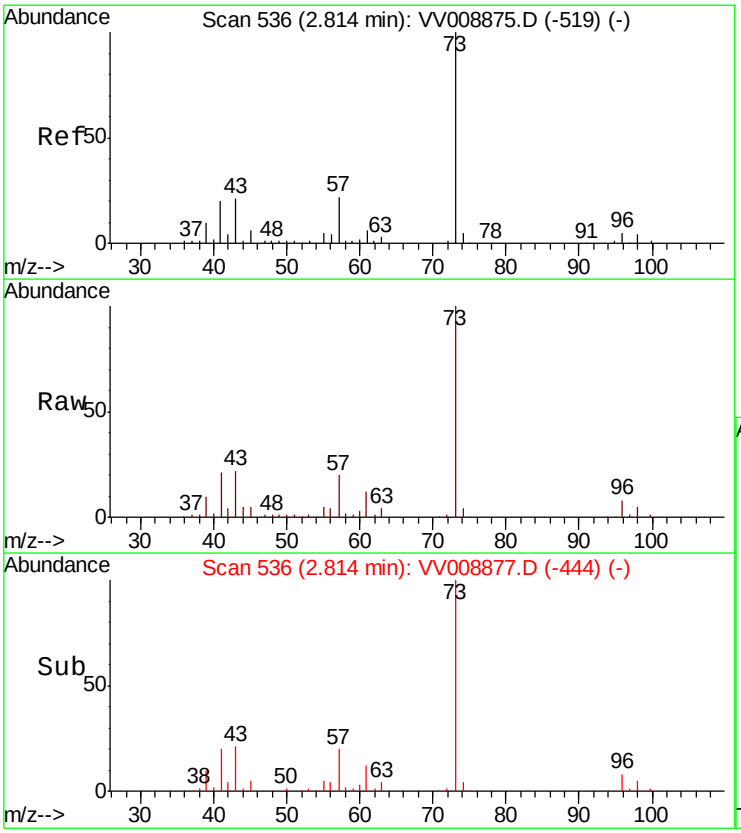
#16
Methylene chloride
Concen: 3.968 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion: 84 Resp: 23526

Ion	Ratio	Lower	Upper
84	100		
86	66.6	46.7	86.7
49	121.5	84.8	157.4

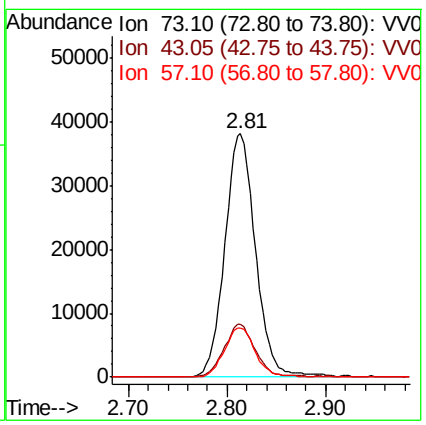


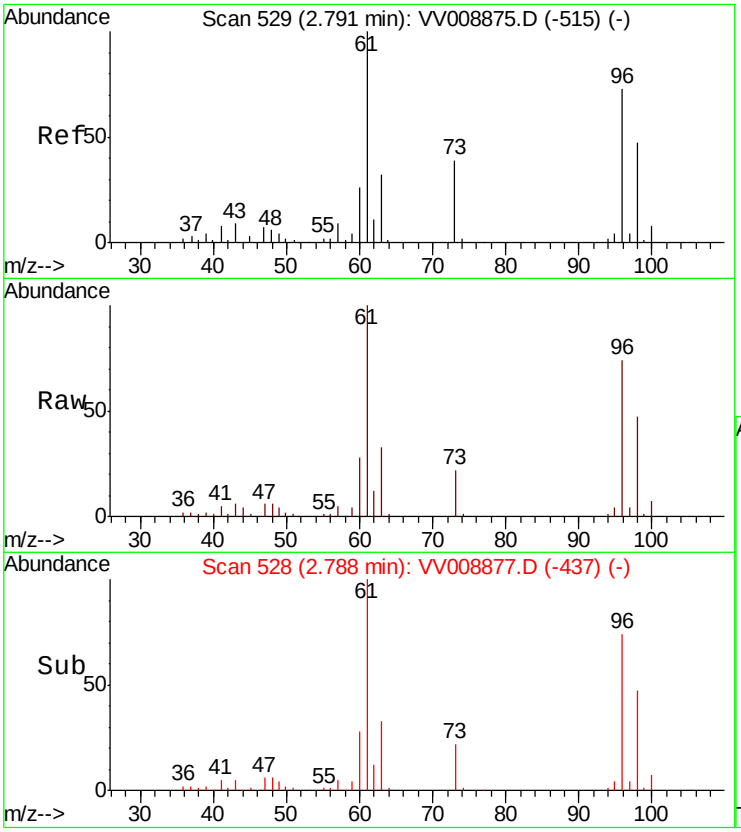


#17
Methyl tert-butyl Ether
Concen: 6.155 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 73 Resp: 82970

Ion	Ratio	Lower	Upper
73	100		
43	22.0	17.3	25.9
57	20.2	16.8	25.2



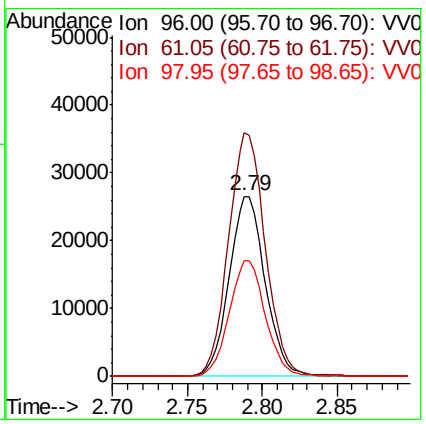


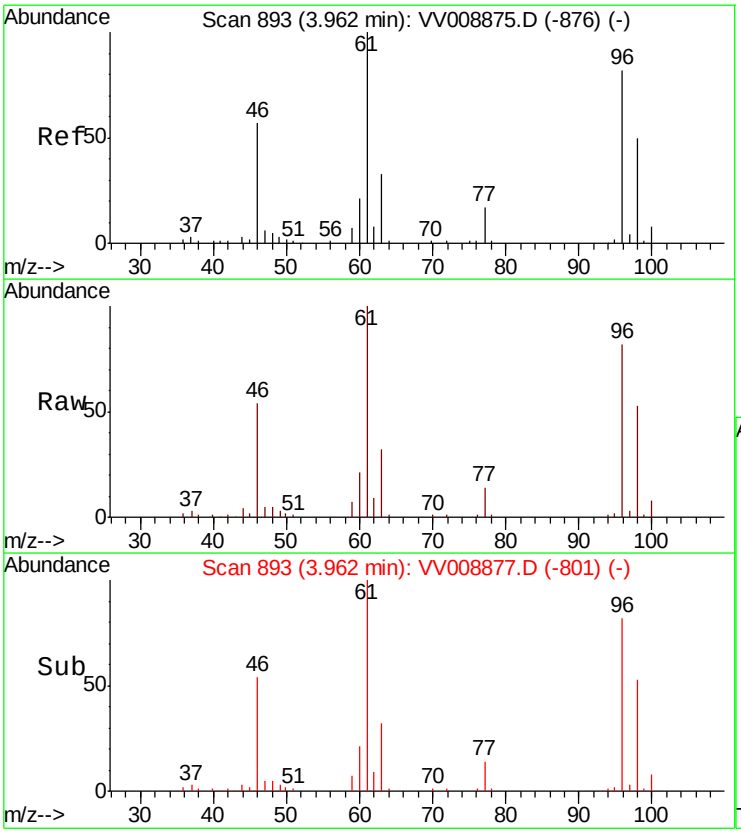
#18
trans-1,2-Dichloroethene
Concen: 7.420 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion: 96 Resp: 44529

Ion	Ratio	Lower	Upper
96	100		
61	135.1	103.0	191.4
98	63.9	48.9	90.9

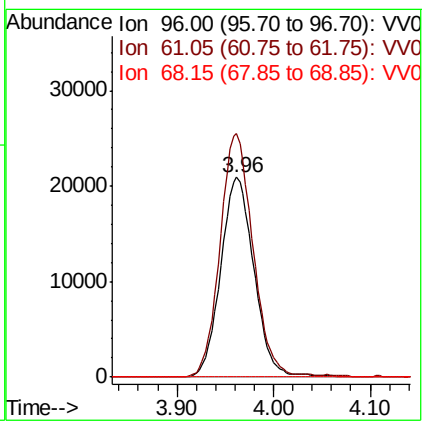


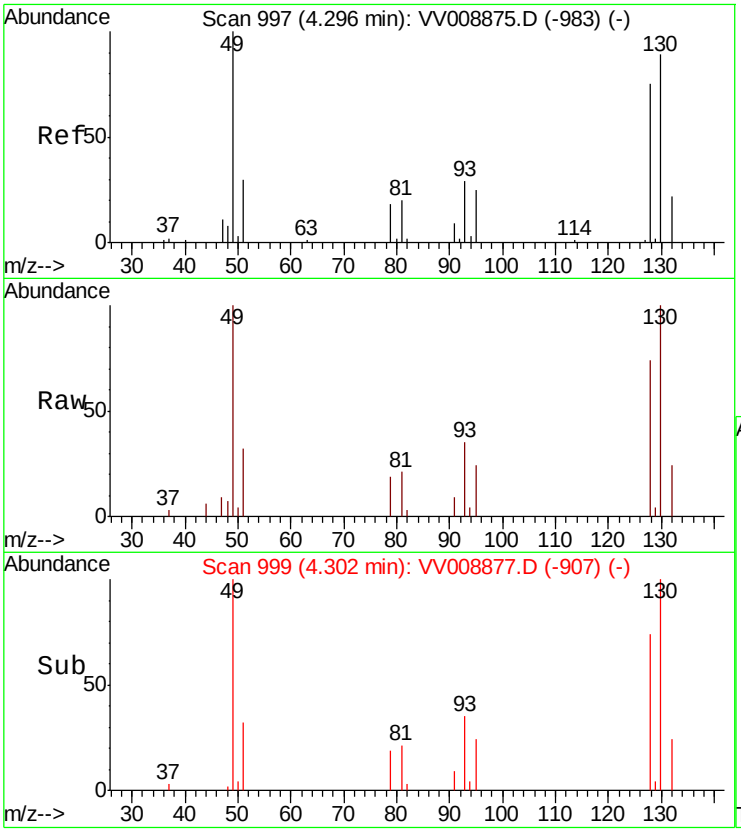


#22
cis-1,2-Dichloroethene
Concen: 6.090 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 96 Resp: 50031

Ion	Ratio	Lower	Upper
96	100		
61	122.0	83.2	154.6
68	0.0	0.0	0.0



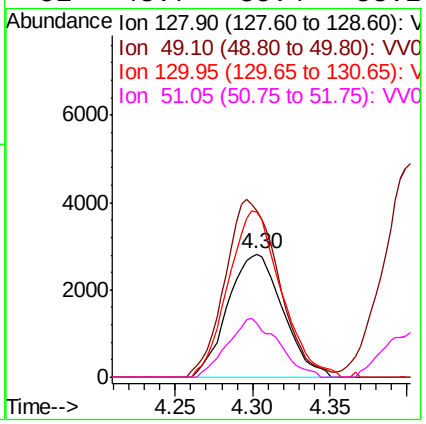


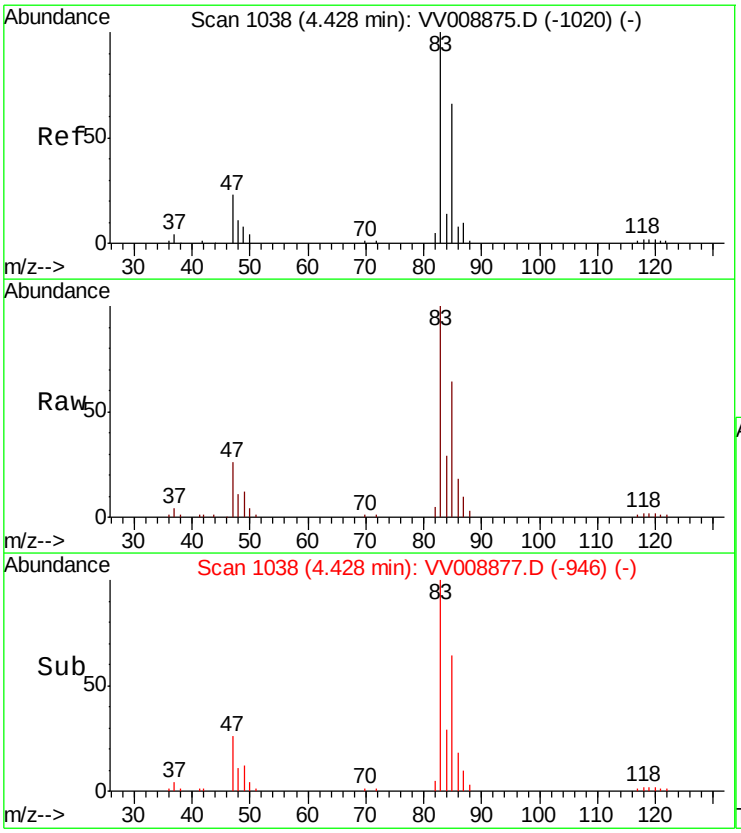
#23
Bromochloromethane
Concen: 1.998 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion:128 Resp: 6942

Ion	Ratio	Lower	Upper
128	100		
49	134.9	98.1	182.3
130	134.3	84.2	156.4
51	43.7	35.4	53.2

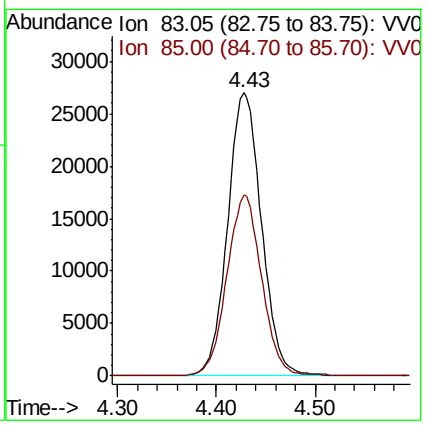


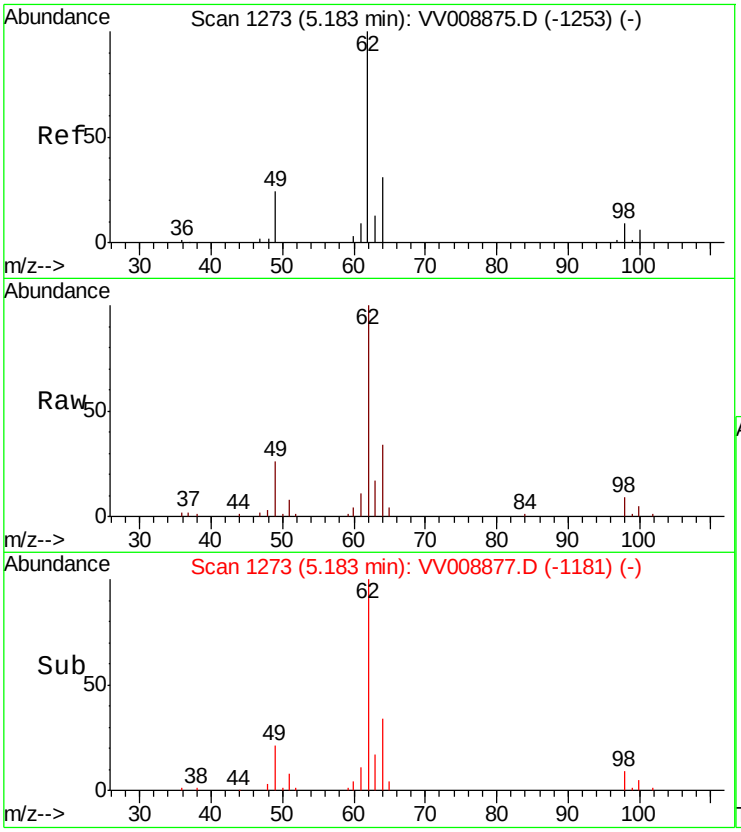


#25
Chloroform
Concen: 4.543 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 83 Resp: 64592

Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.9	83.5



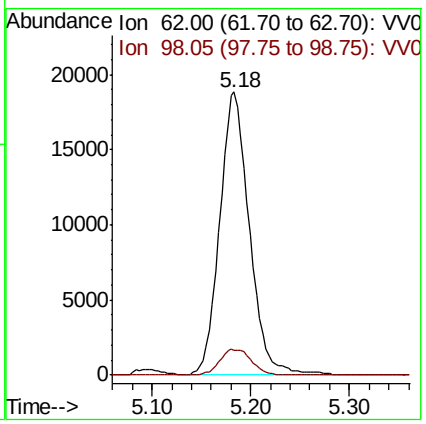


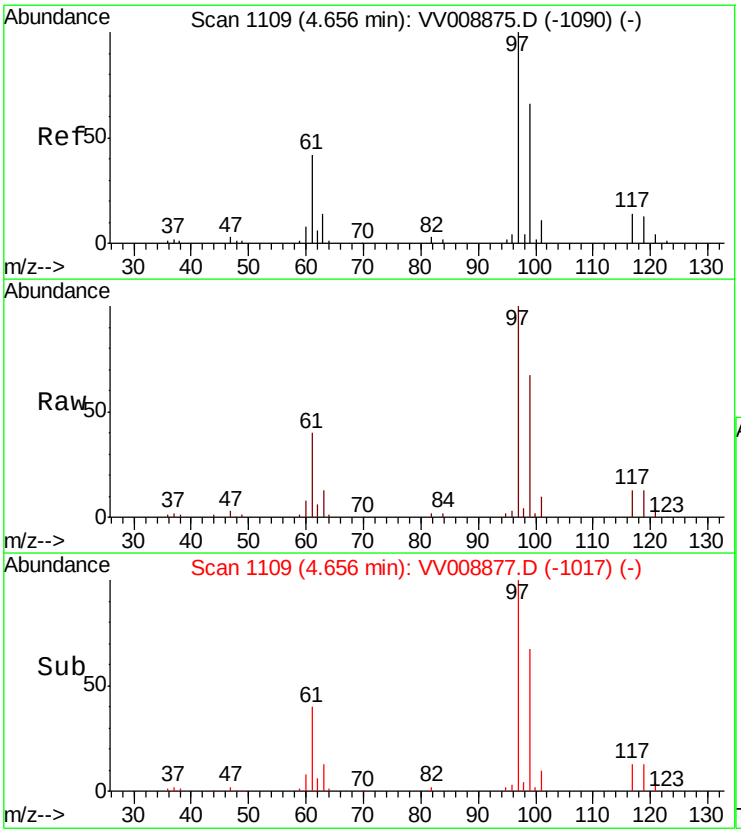
#27
1,2-Dichloroethane
Concen: 4.892 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion: 62 Resp: 39694

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.3	10.9

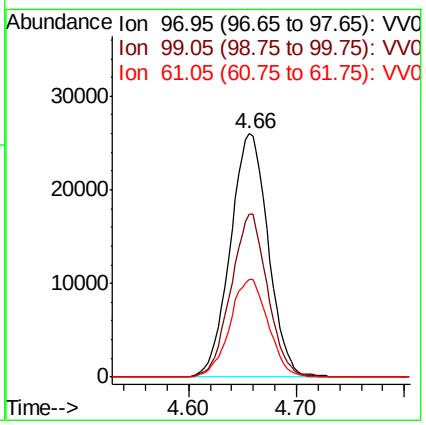


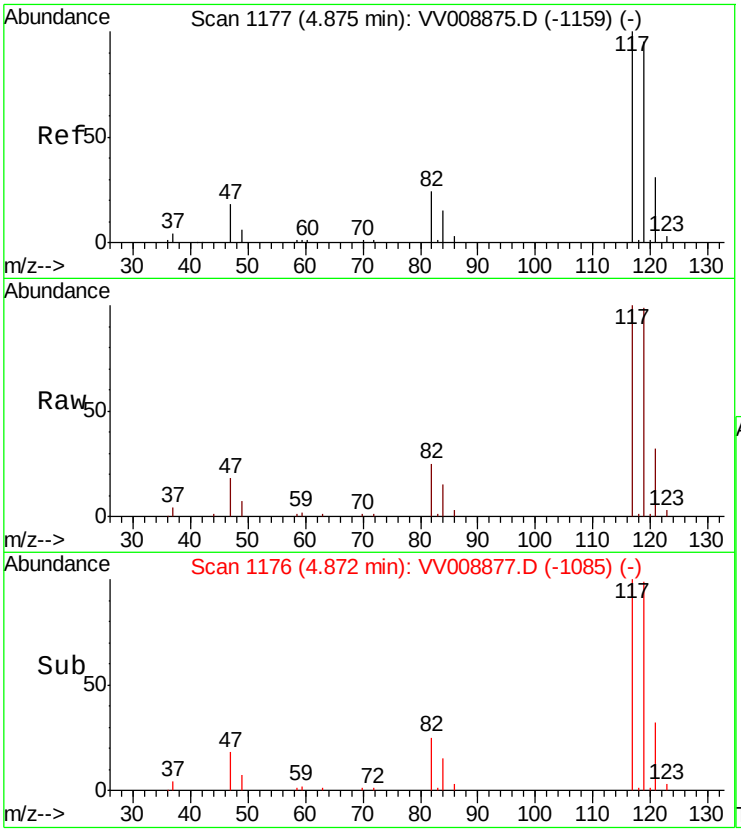


#29
1,1,1-Trichloroethane
Concen: 5.119 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 97 Resp: 63498

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.7	76.1
61	40.4	34.0	51.0



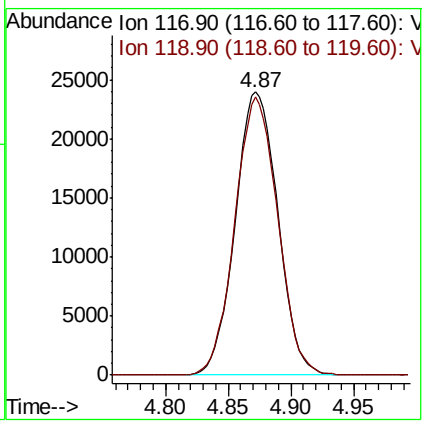


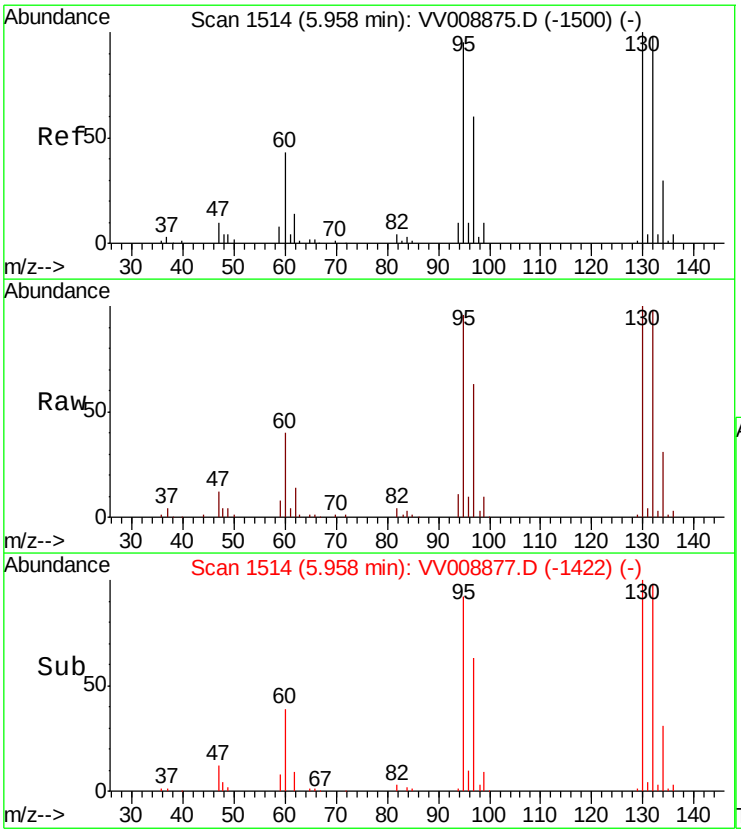
#31
Carbon tetrachloride
Concen: 5.071 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion:117 Resp: 56625

Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.1	115.7

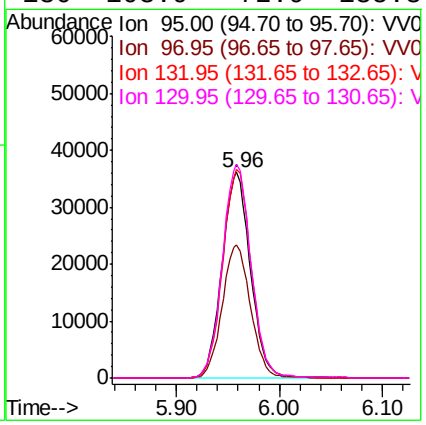


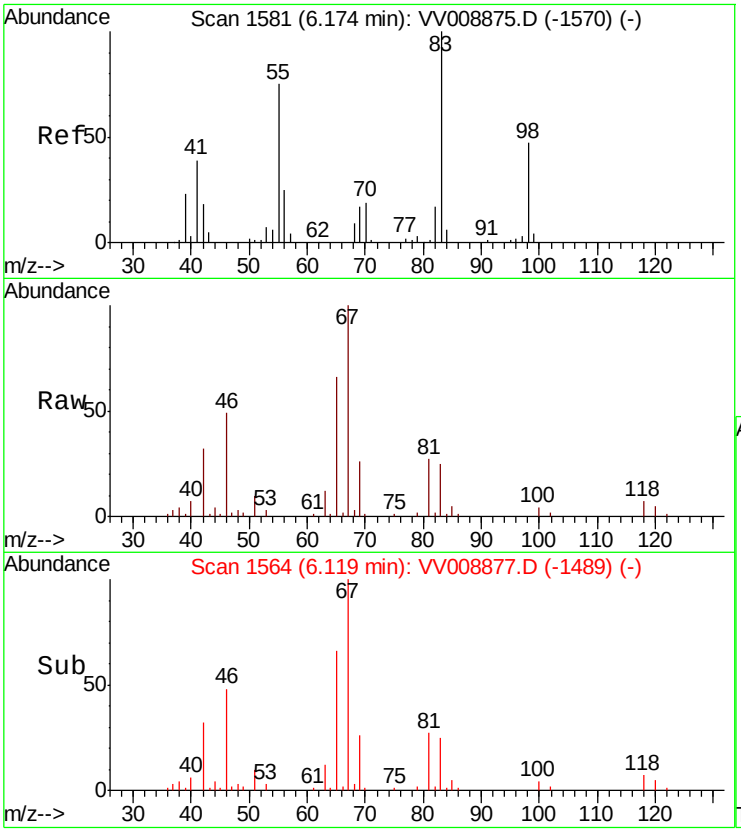


#34
Trichloroethene
Concen: 8.000 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 95 Resp: 69294

Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.4	82.5
132	101.8	70.7	131.3
130	103.9	72.9	135.3



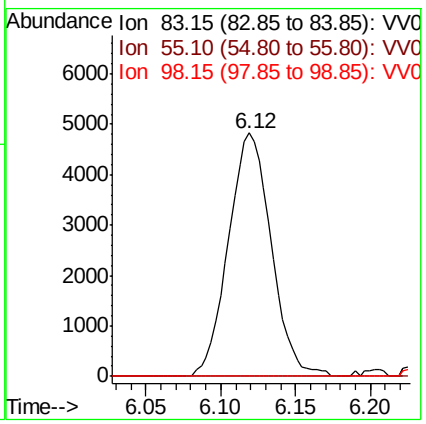


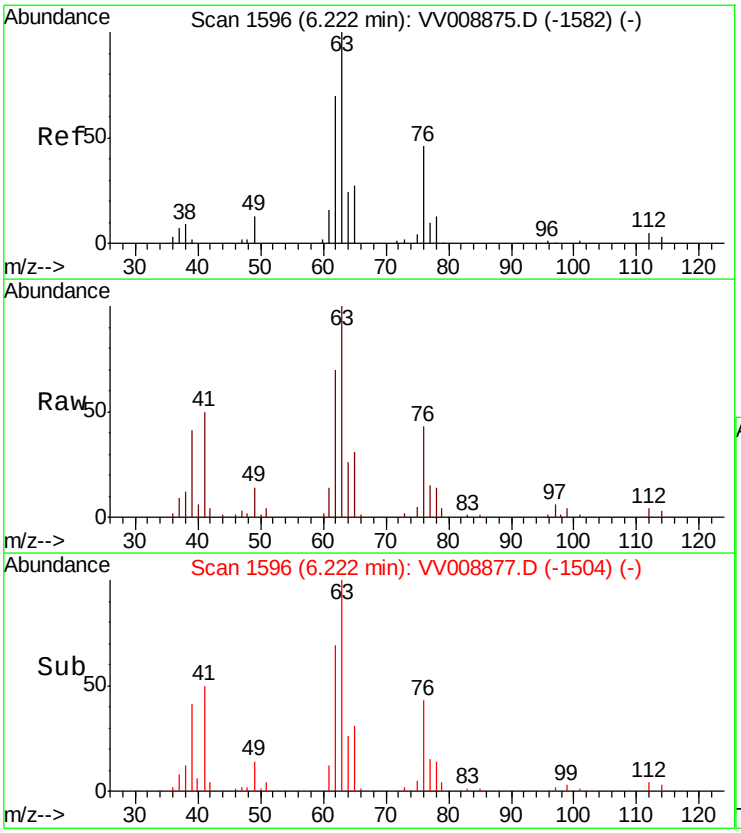
#35
Methylcyclohexane
Concen: 0.701 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion: 83 Resp: 9607

Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.0	90.0#
98	2.2	39.0	58.6#

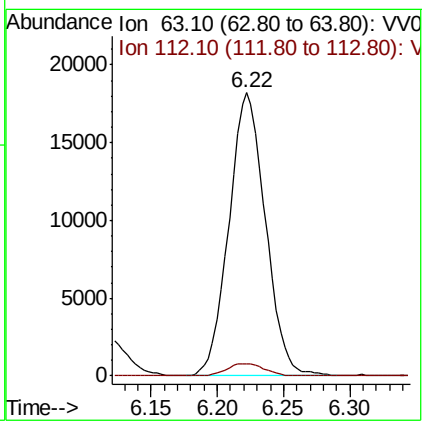


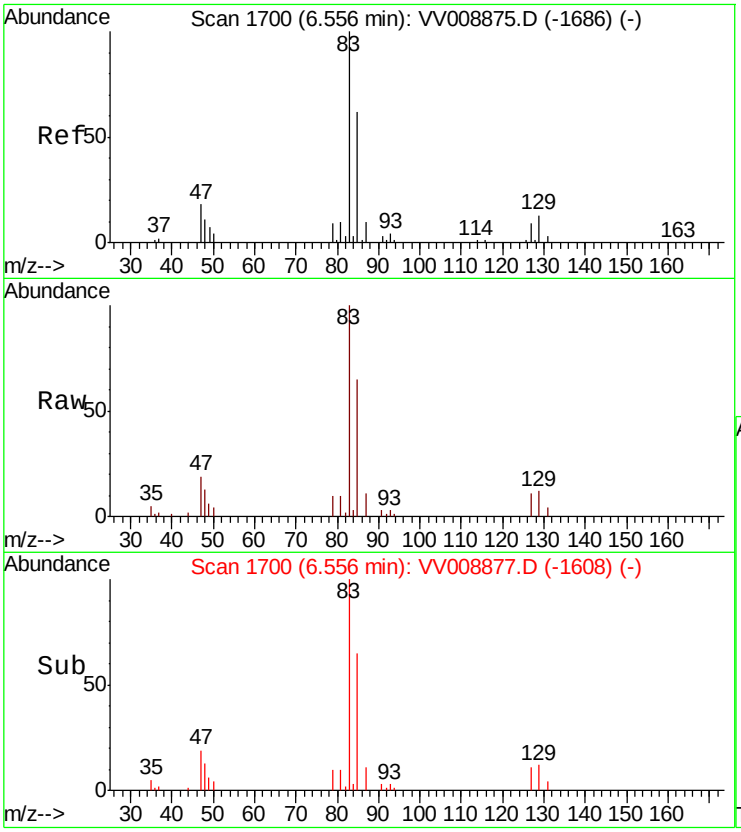


#37
1,2-Dichloropropane
Concen: 4.776 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 63 Resp: 34857

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.5	5.3



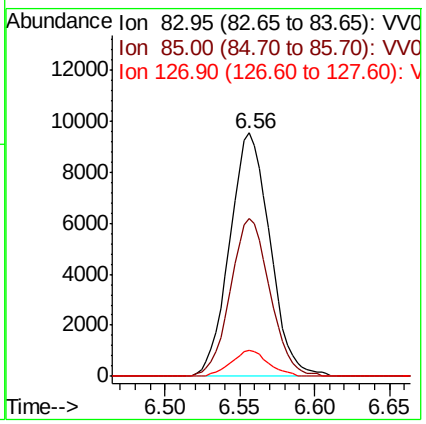


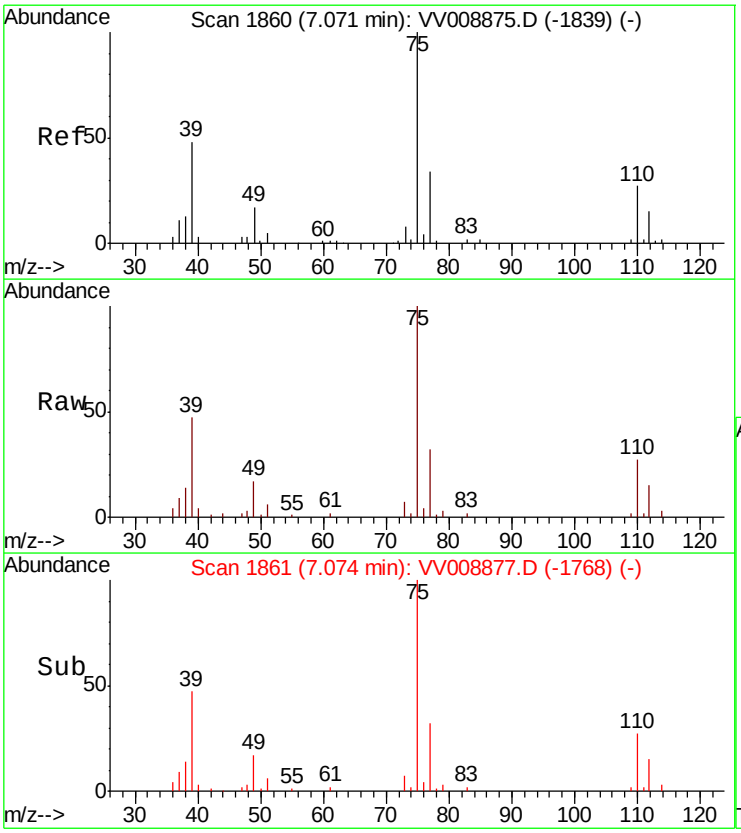
#38
Bromodichloromethane
Concen: 1.995 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion: 83 Resp: 17920

Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.2	82.0
127	10.8	7.5	11.3

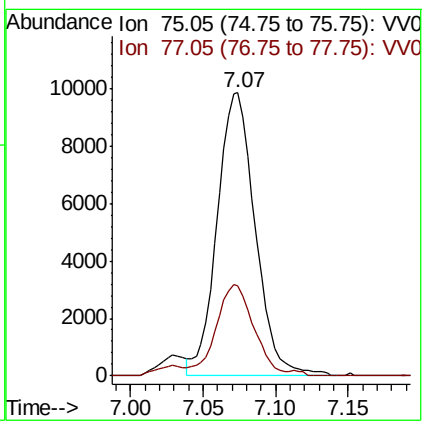


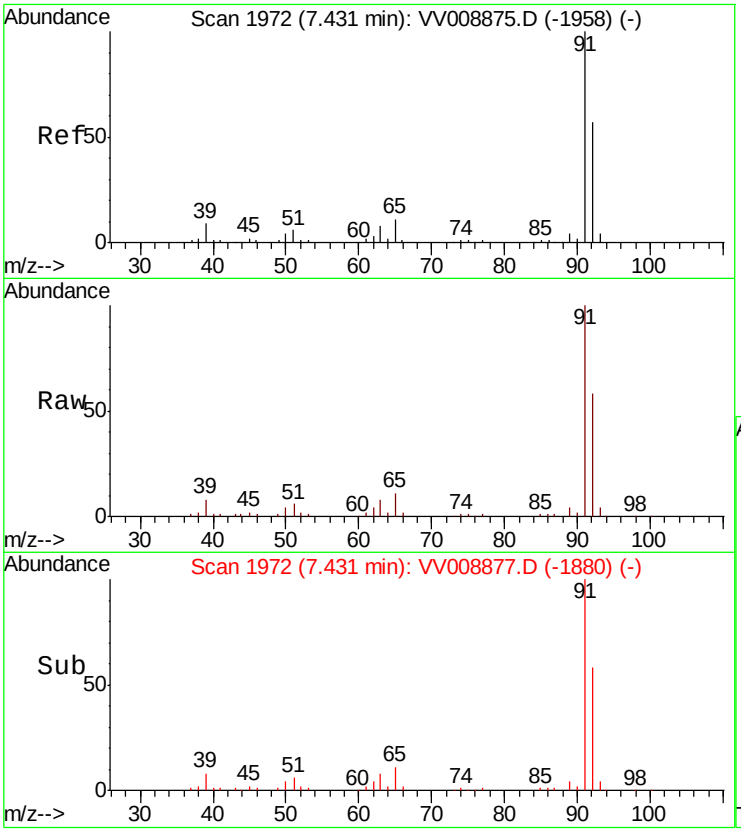


#39
cis-1,3-Dichloropropene
Concen: 1.764 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 75 Resp: 18043

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.3	41.3



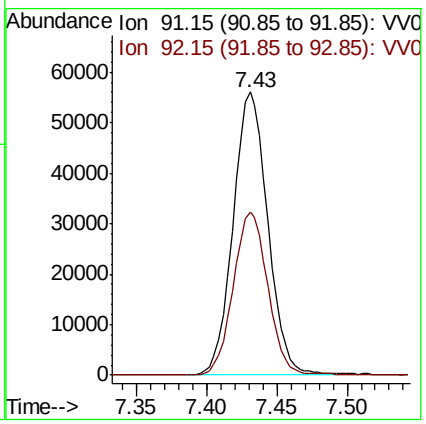


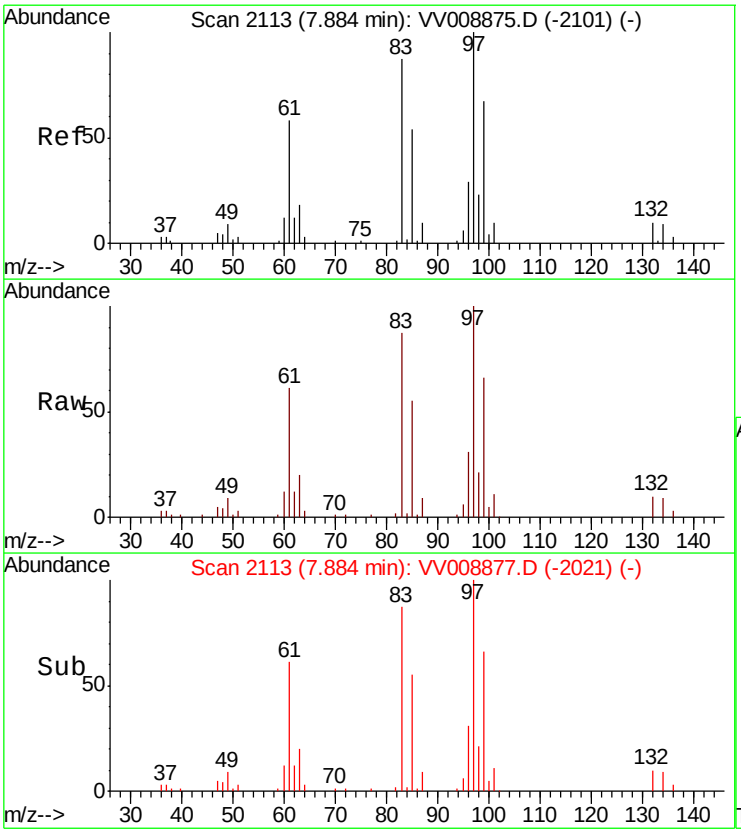
#42
Toluene
Concen: 3.005 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion: 91 Resp: 96597

Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.9	76.0

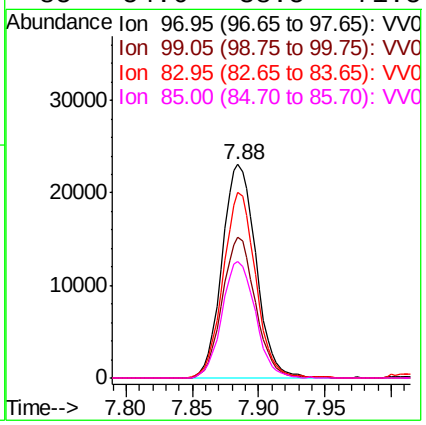


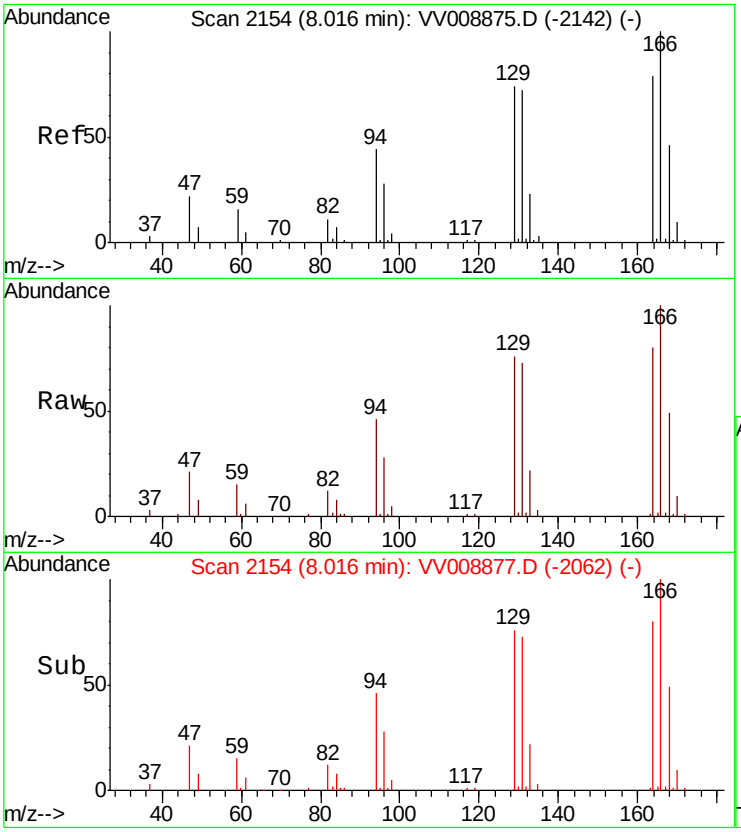


#45
1,1,2-Trichloroethane
Concen: 8.013 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 97 Resp: 41063

Ion	Ratio	Lower	Upper
97	100		
99	65.9	43.3	80.3
83	86.9	59.4	110.2
85	54.6	38.5	71.5



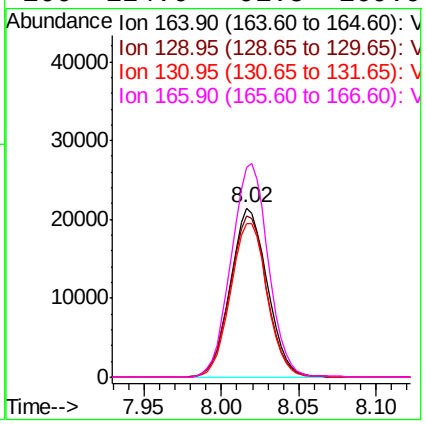


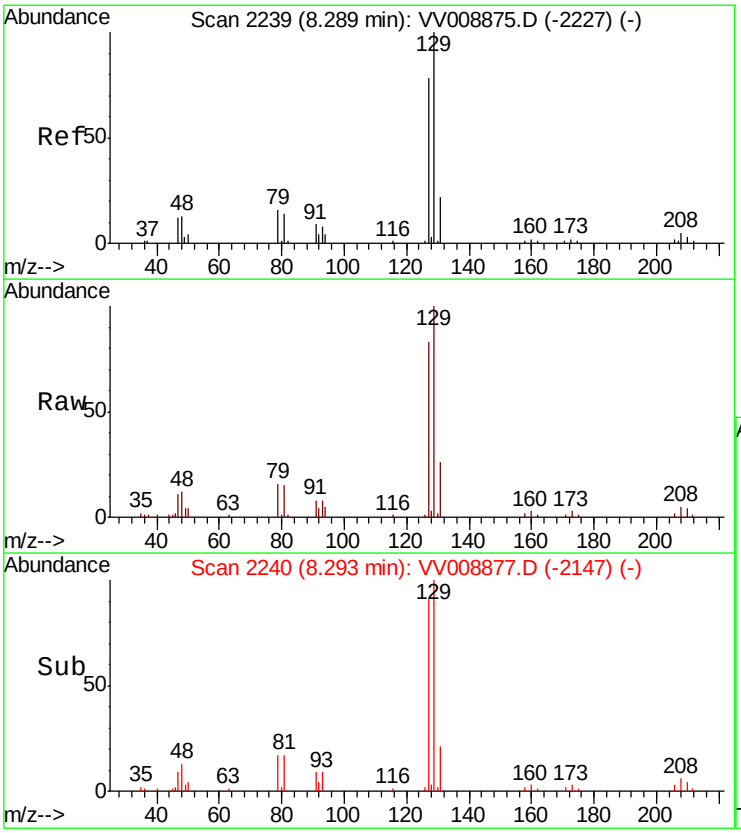
#47
Tetrachloroethene
Concen: 5.122 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion:164 Resp: 35596

Ion	Ratio	Lower	Upper
164	100		
129	95.3	68.8	127.8
131	90.8	64.8	120.4
166	124.6	91.5	169.9

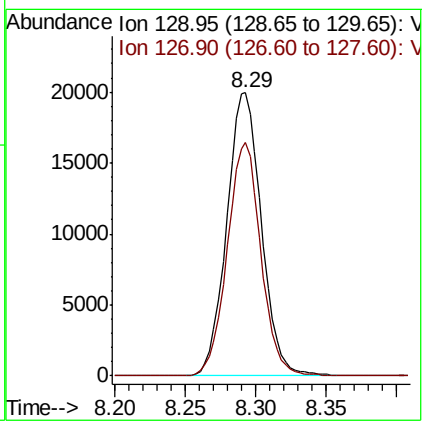


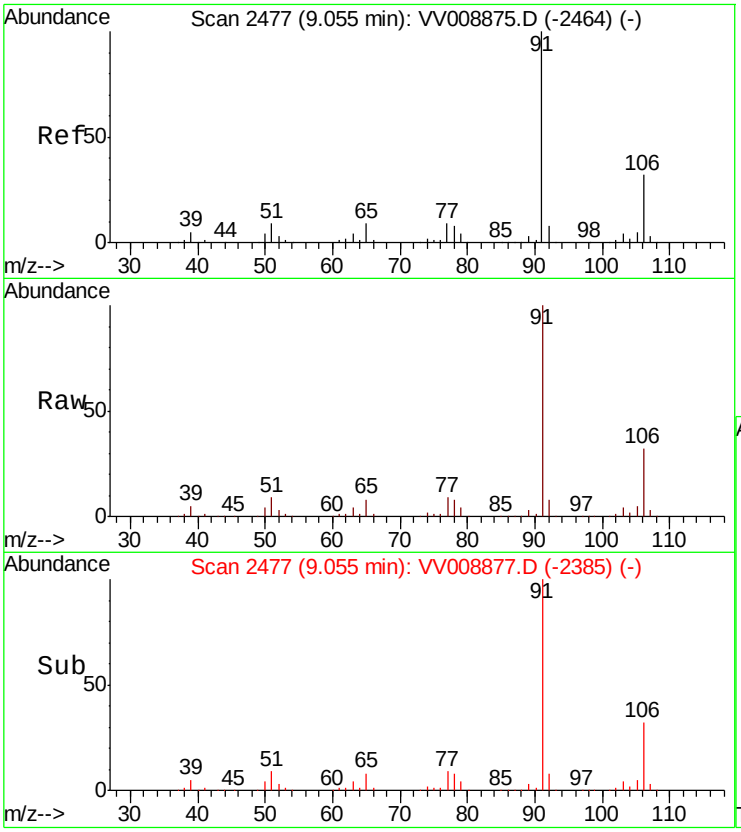


#49
Dibromochloromethane
Concen: 5.718 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion:129 Resp: 34270

Ion	Ratio	Lower	Upper
129	100		
127	82.5	54.0	100.4



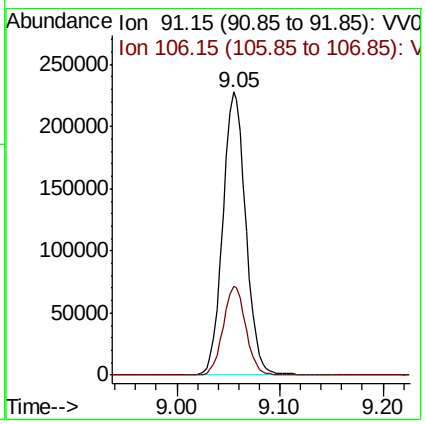


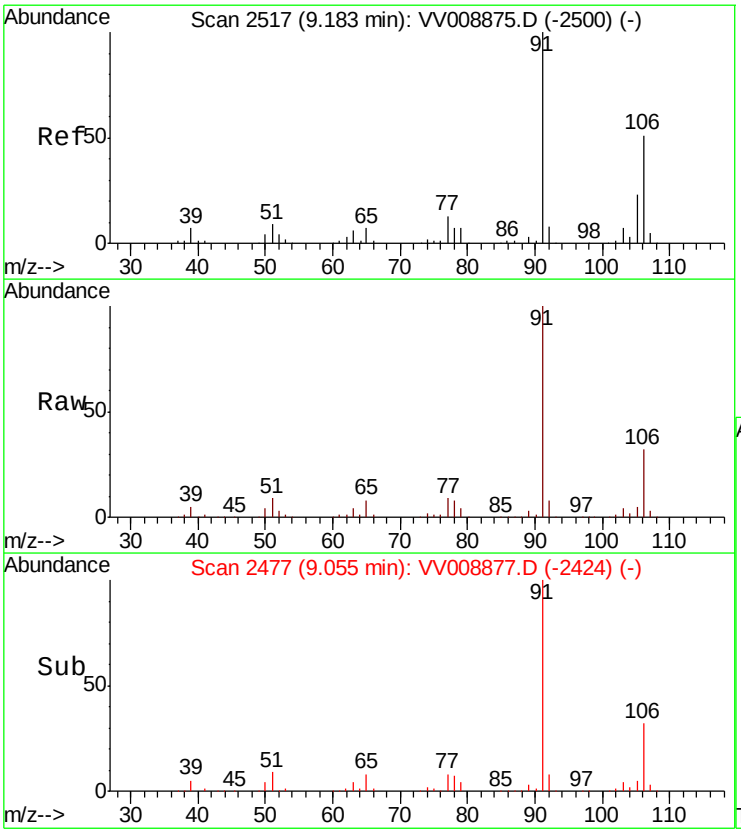
#52
Ethylbenzene
Concen: 10.100 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion: 91 Resp: 354487

Ion	Ratio	Lower	Upper
91	100		
106	31.5	22.1	41.1

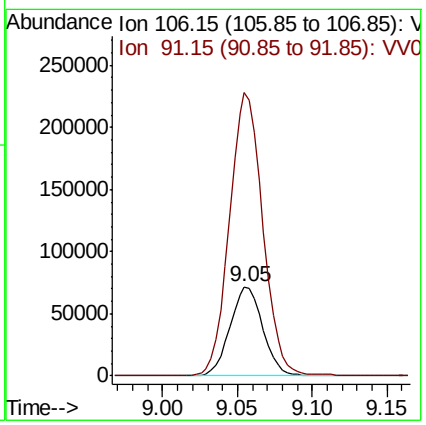


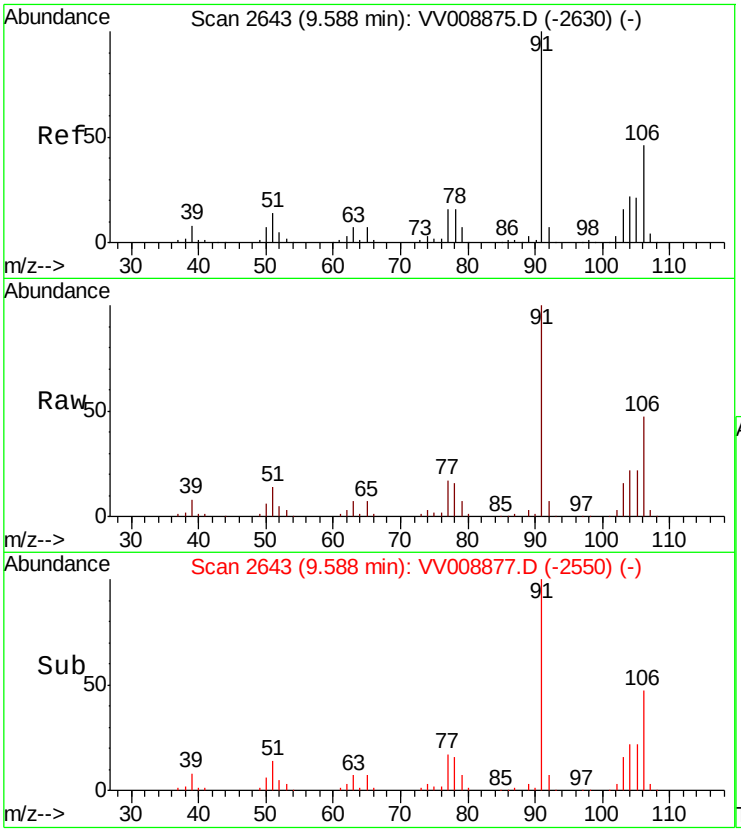


#53
m,p-xylene
Concen: 8.226 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.13 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion:106 Resp: 110281

Ion	Ratio	Lower	Upper
106	100		
91	317.2	141.9	263.5#



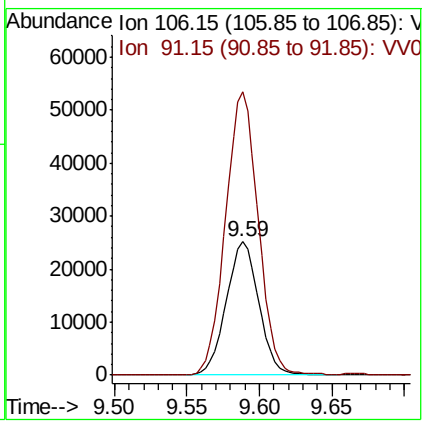


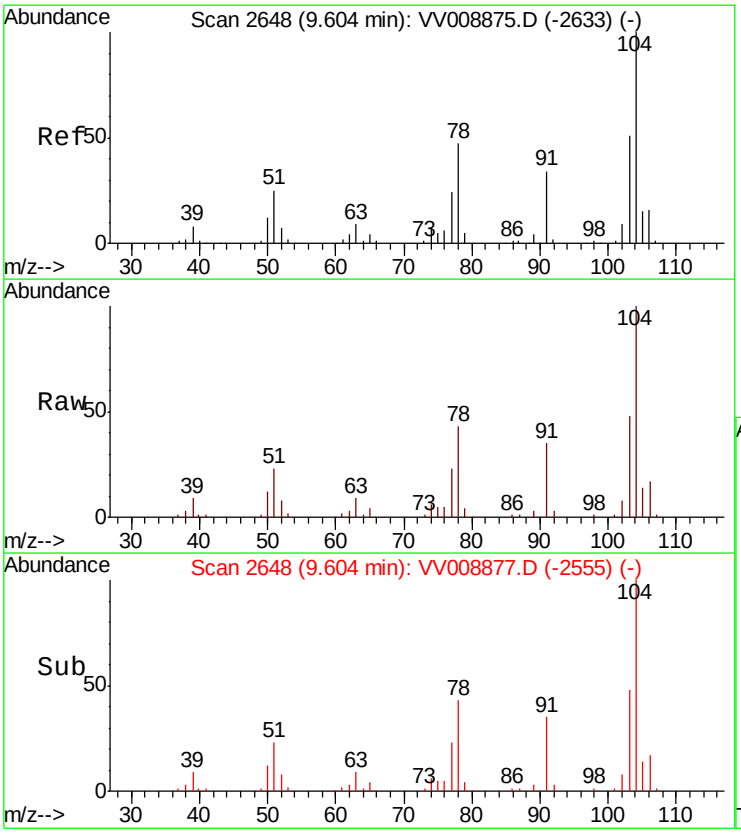
#54
o-xylene
Concen: 3.064 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion:106 Resp: 39177

Ion	Ratio	Lower	Upper
106	100		
91	212.1	149.0	276.6

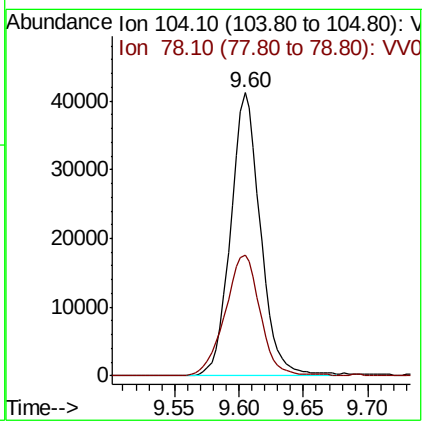


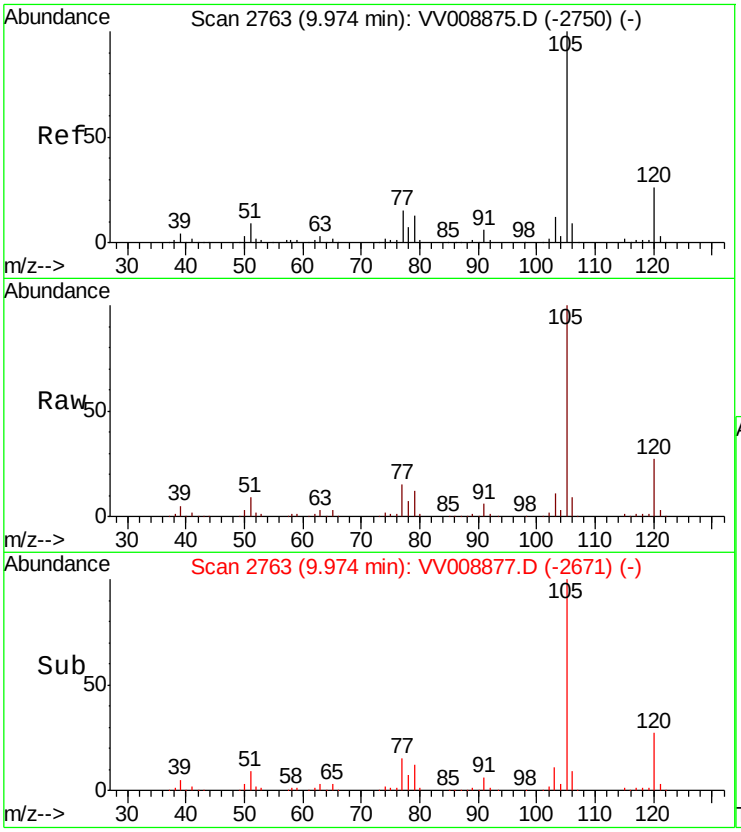


#55
Styrene
Concen: 3.134 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion:104 Resp: 66303

Ion	Ratio	Lower	Upper
104	100		
78	42.7	31.4	58.4



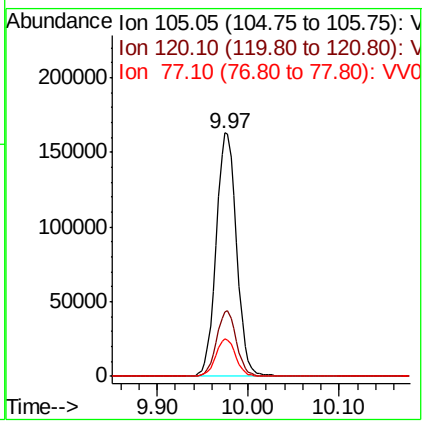


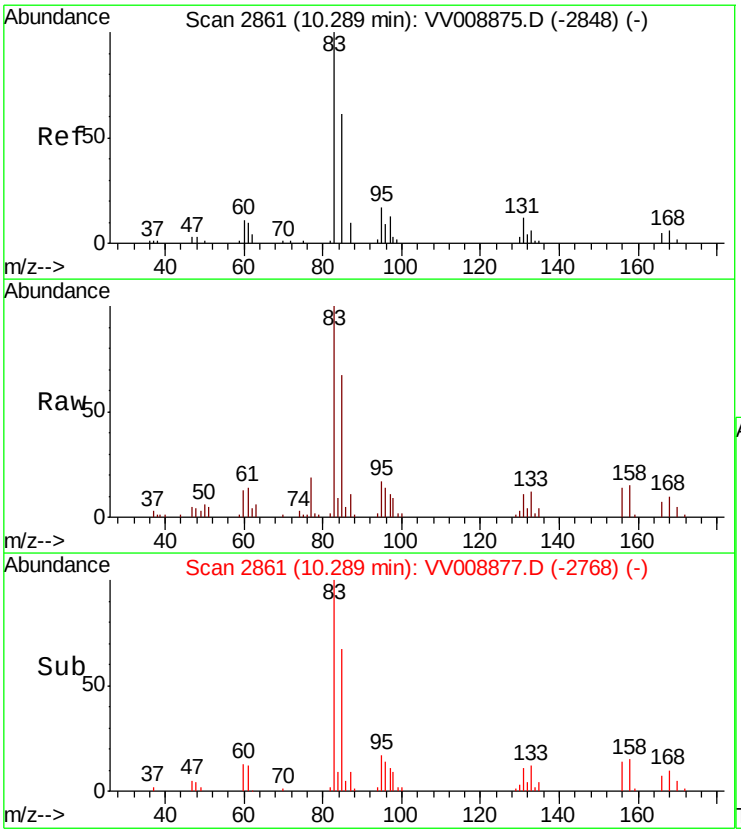
#56
Isopropylbenzene
Concen: 7.332 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion:105 Resp: 253652

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.2	31.8
77	15.2	12.4	18.6

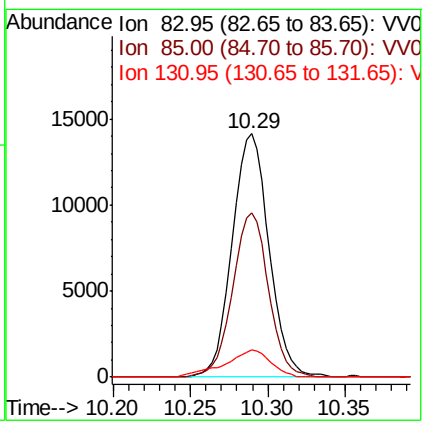


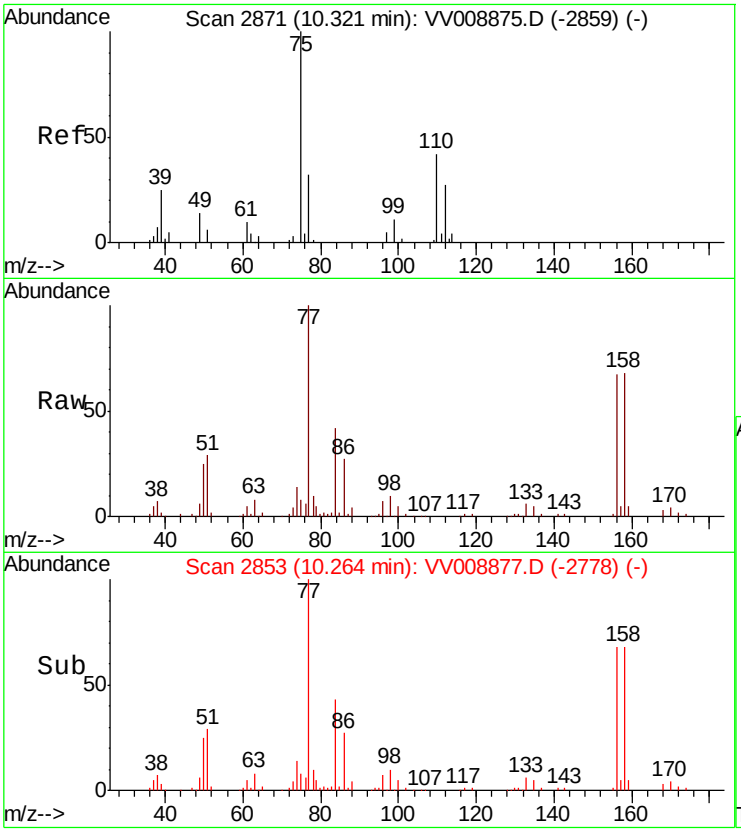


#58
1,1,2,2-Tetrachloroethane
Concen: 4.520 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 83 Resp: 23374

Ion	Ratio	Lower	Upper
83	100		
85	67.4	45.8	85.0
131	11.0	9.6	14.4



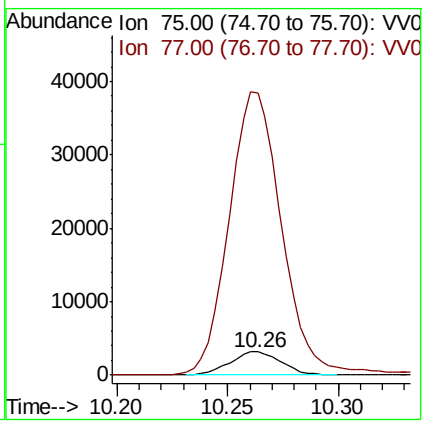


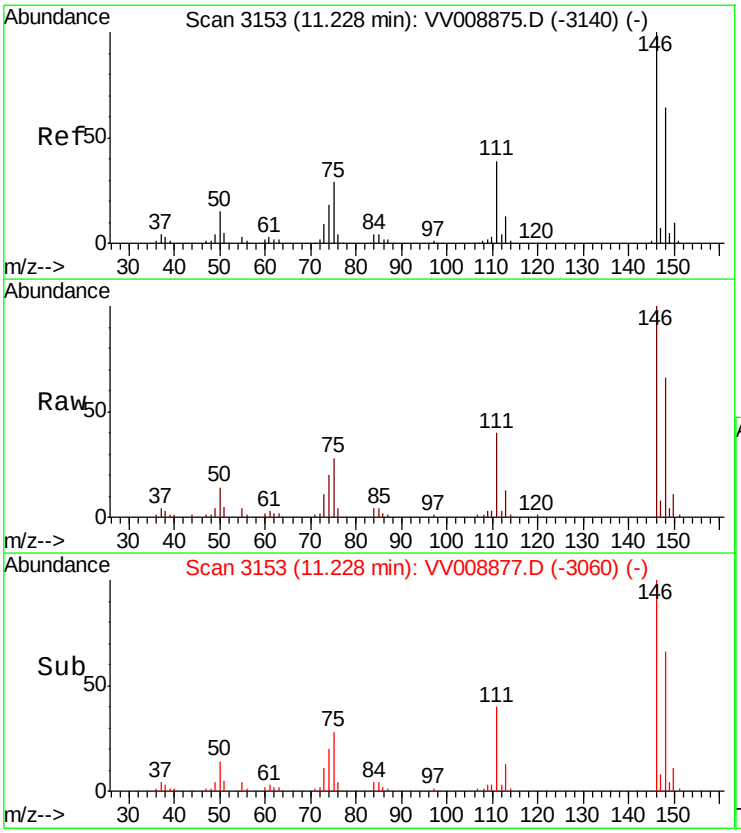
#59
1,2,3-Trichloropropane
Concen: 1.171 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.06 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tgt Ion: 75 Resp: 5100

Ion	Ratio	Lower	Upper
75	100		
77	1262.2	24.8	37.2#

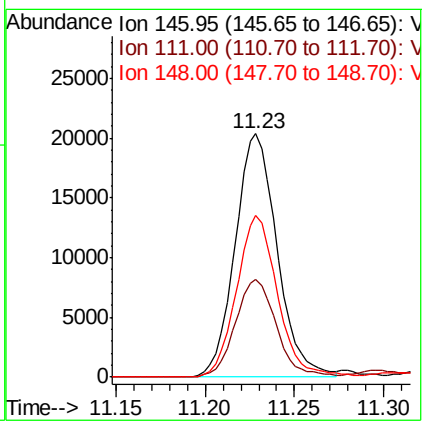


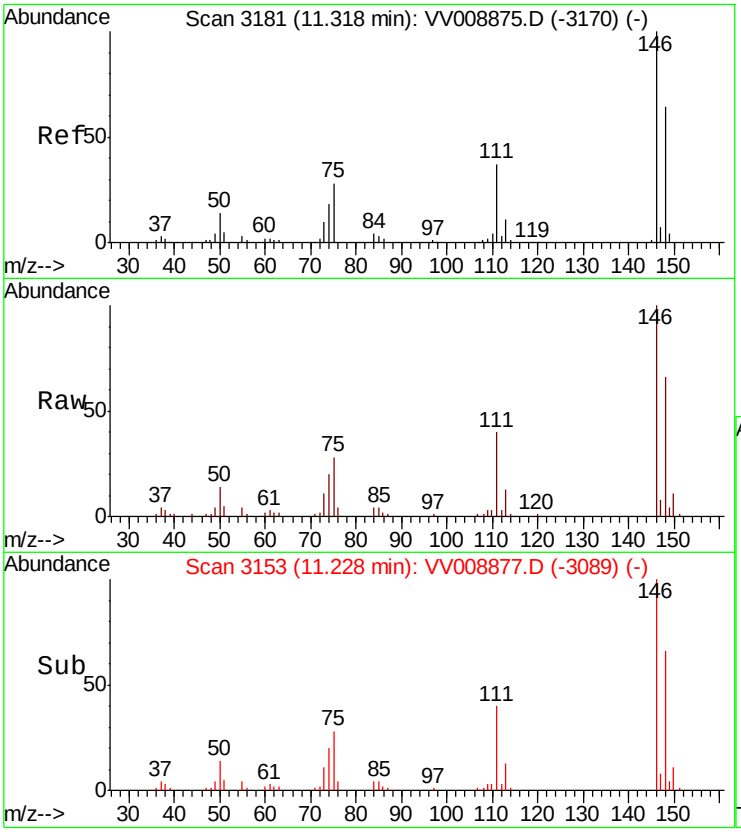


#62
1,3-Dichlorobenzene
Concen: 2.074 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion:146 Resp: 33383

Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.5	52.9
148	66.5	45.0	83.6



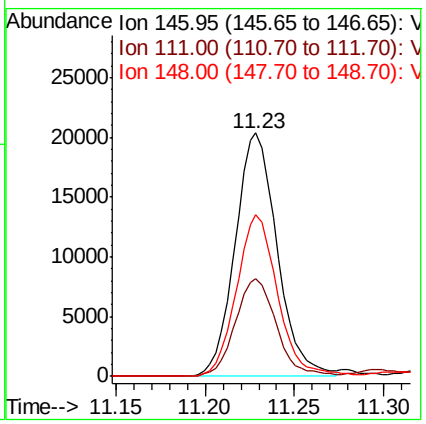


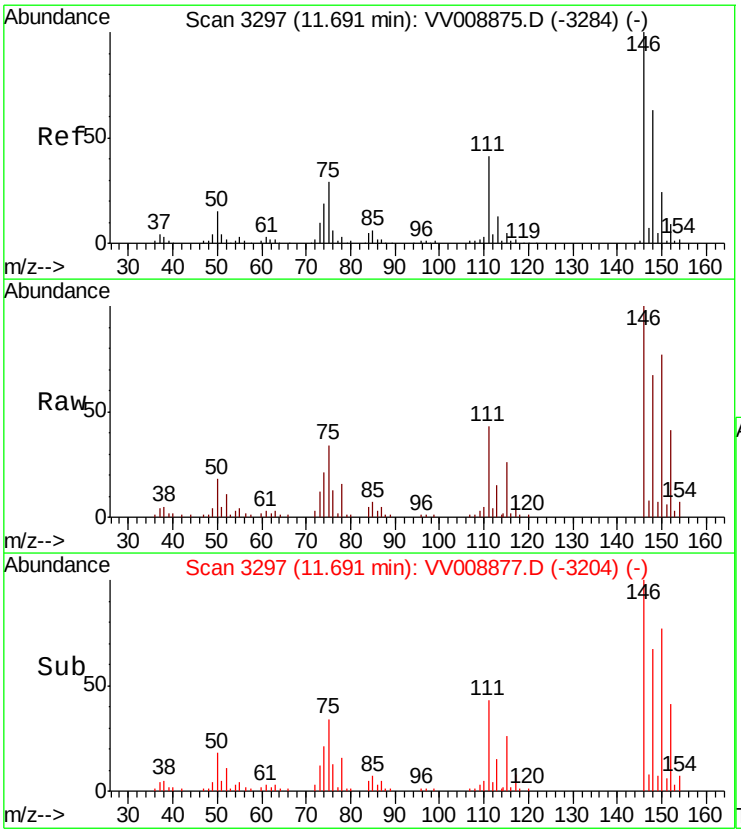
#63
1,4-Dichlorobenzene
Concen: 2.028 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.09 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument : MSVOA_V
ClientSampleId : A4120

Tgt Ion:146 Resp: 33383

Ion	Ratio	Lower	Upper
146	100		
111	39.9	26.2	48.8
148	66.5	44.7	82.9





#65
1,2-Dichlorobenzene
Concen: 2.043 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion:146 Resp: 30380

Ion	Ratio	Lower	Upper
146	100		
111	43.2	33.8	50.6
148	67.2	50.0	75.0