Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

Quantitation Report (Not Reviewed)

Data File : VV011142.D
Acq On : 30 May 2019 17:39
Operator : SY/MD
Sample : K3083-10
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51H0

Quant Time: May 31 01:47:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	325666	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	313099	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	153409	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	98342	22.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.28%			
7) Chloroethane-d5	1.56	69	79192	23.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.52%			
10) 1,1-Dichloroethene-d2	2.12	63	205162	22.68	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.72%			
20) 2-Butanone-d5	3.94	46	83148	51.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.26%			
24) Chloroform-d	4.40	84	174317	21.90	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.60%			
26) 1,2-Dichloroethane-d4	5.08	65	125398	24.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.68%			
29) Benzene-d6	5.09	84	412005	24.23	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.92%			
33) 1,2-Dichloropropane-d6	6.12	67	132896	24.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.56%			
37) Toluene-d8	7.36	98	392520	24.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.88%			
38) trans-1,3-Dichloropropene-	7.66	79	59632	24.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.76%			
39) 2-Hexanone-d5	8.13	63	63596	51.36	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.72%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	121966	24.84	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.36%			
61) 1,2-Dichlorobenzene-d4	11.67	152	140964	24.56	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.24%			

Target Compounds						Qvalue
3) Chloromethane	1.25	50	104307	20.286	ug/L	99
6) Bromomethane	1.51	94	26857	9.719	ug/L	100
9) Trichlorofluoromethane	1.76	101	112738	15.286	ug/L	100
12) 1,1-Dichloroethene	2.13	96	80896	22.107	ug/L	89
13) Acetone	2.19	43	144905	77.343	ug/L	100
15) Methyl Acetate	2.46	43	108290	38.412	ug/L	100
16) Methylene chloride	2.53	84	54467	10.975	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	401570	31.655	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	45996	10.319	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	127617	25.634	ug/L	99
23) Bromochloromethane	4.29	128	32878	15.009	ug/L	91
25) Chloroform	4.42	83	27901	3.028	ug/L	92
27) 1,2-Dichloroethane	5.18	62	63898	9.903	ug/L	97
30) Cyclohexane	4.72	56	88377	10.555	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	74284	10.360	ug/L	98
32) Carbon tetrachloride	4.87	117	75505	12.421	ug/L	100
35) Trichloroethene	5.96	95	193913	39.844	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

Quantitation Report (Not Reviewed)

Data File : VV011142.D
Acq On : 30 May 2019 17:39
Operator : SY/MD
Sample : K3083-10
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A51H0

Quant Time: May 31 01:47:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Methylcyclohexane	6.17	83	206370	25.057	ug/L	98
40) 1,2-Dichloropropane	6.22	63	63520	13.019	ug/L	100
41) Bromodichloromethane	6.55	83	126772	19.948	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	127621	16.453	ug/L	99
44) Toluene	7.43	91	417654	20.614	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	55360	8.362	ug/L	99
47) Tetrachloroethene	8.02	164	142048	39.386	ug/L	97
49) 2-Hexanone	8.18	43	142079	44.490	ug/L	98
50) Dibromochloromethane	8.29	129	82908	19.278	ug/L	98
53) Ethylbenzene	9.05	91	356655	15.342	ug/L	100
54) m,p-Xylene	9.19	106	89024	10.295	ug/L	100
55) o-xylene	9.59	106	107986	12.698	ug/L	98
57) Isopropylbenzene	9.97	105	291410	12.833	ug/L	100
59) 1,2,3-Trichloropropane	11.29	75	23016	5.886	ug/L	93
63) 1,3-Dichlorobenzene	11.22	146	205832	20.713	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	98828	10.504	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	17454	19.119	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	185521	24.975	ug/L	99

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

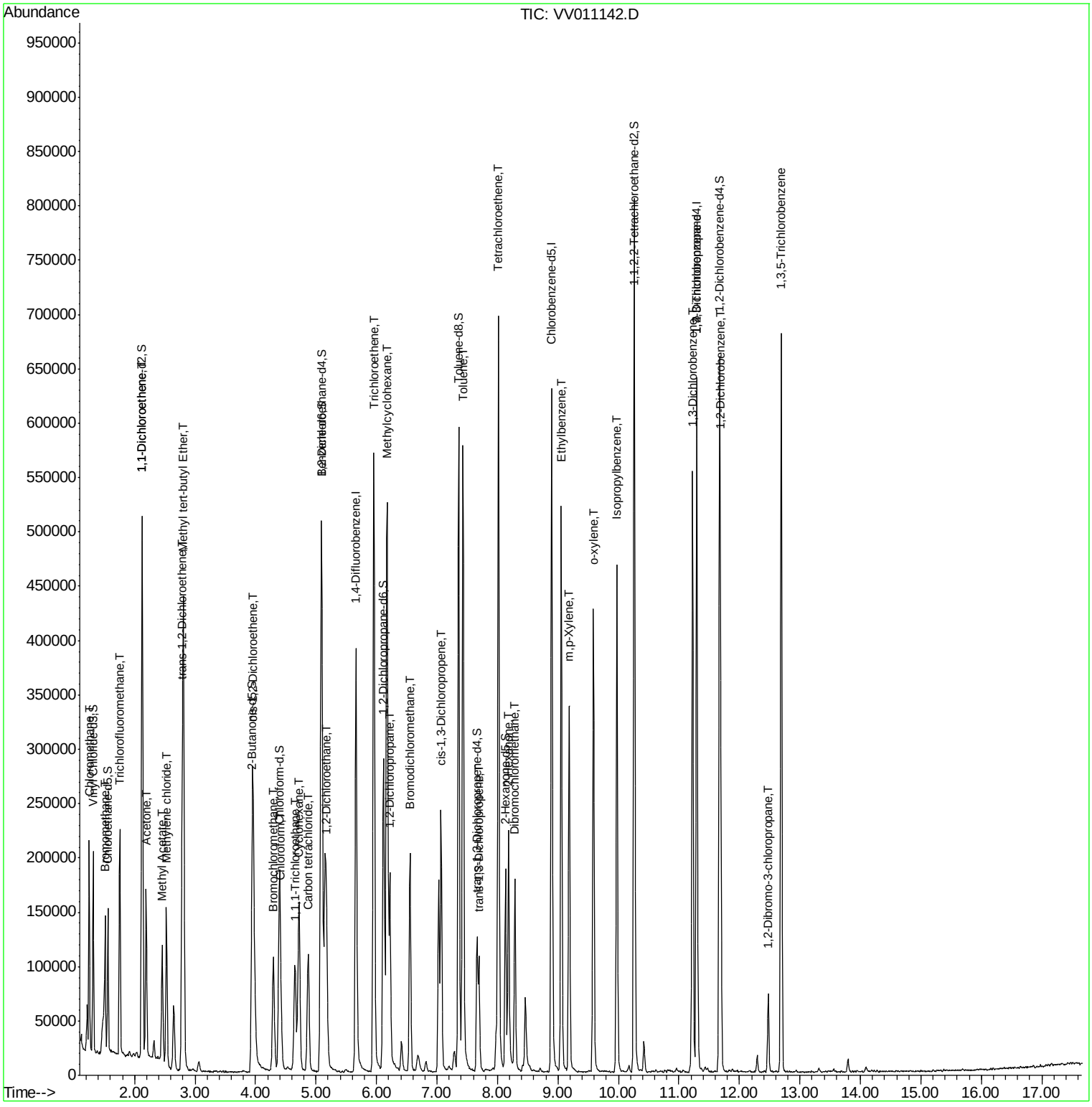
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

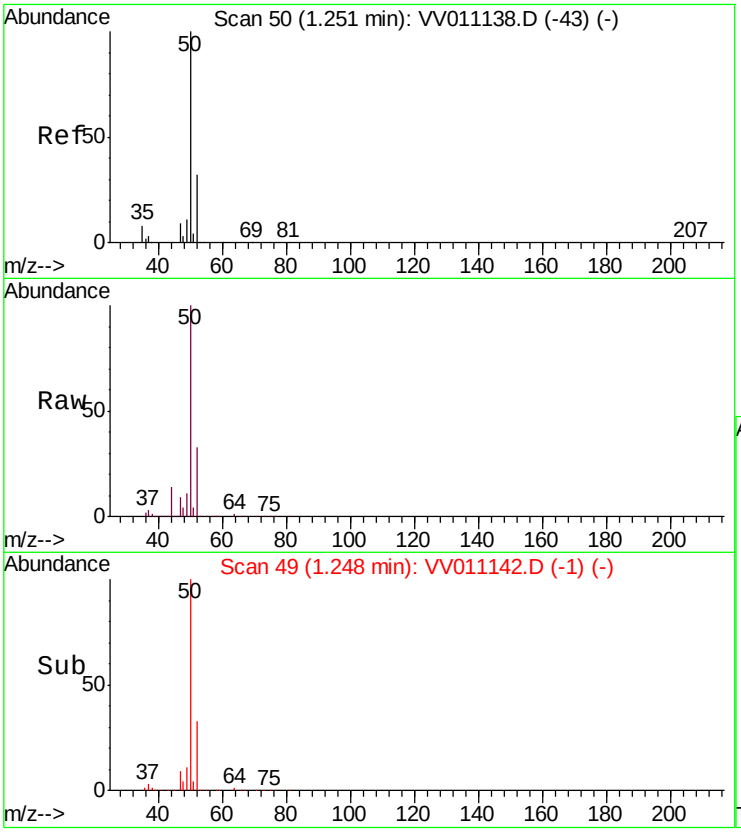
Quantitation Report (Not Reviewed)

Data File : VV011142.D
Acq On : 30 May 2019 17:39
Operator : SY/MD
Sample : K3083-10
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Quant Time: May 31 01:47:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration



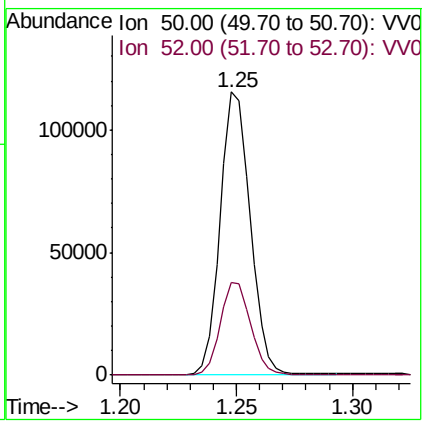


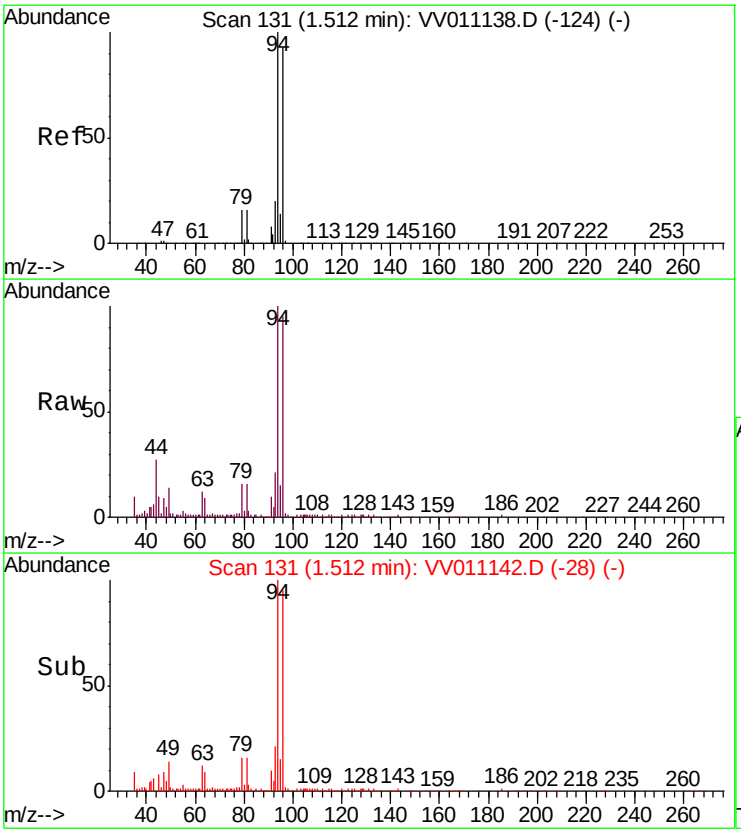
#3
Chloromethane
Concen: 20.286 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 50 Resp: 104307

Ion	Ratio	Lower	Upper
50	100		
52	32.9	22.5	41.9

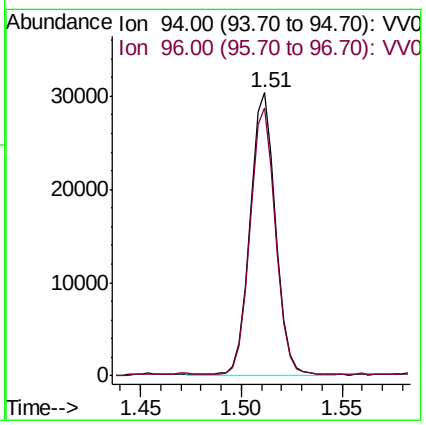


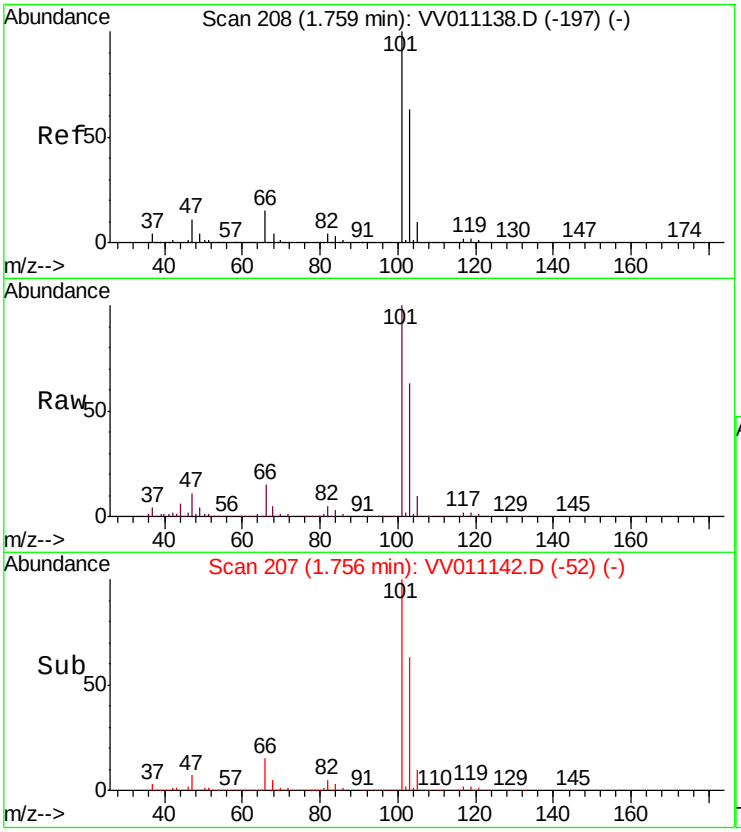


#6
Bromomethane
Concen: 9.719 ug/L
RT: 1.51 min Scan# 131
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 94 Resp: 26857

Ion	Ratio	Lower	Upper
94	100		
96	94.6	9.4	179.5



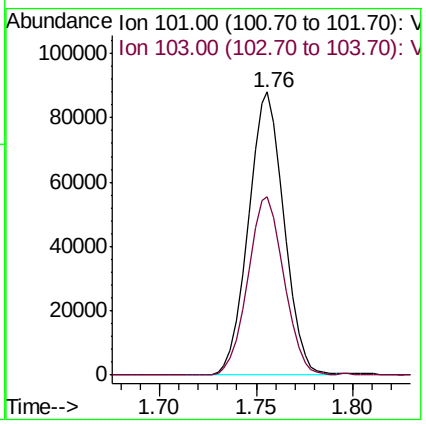


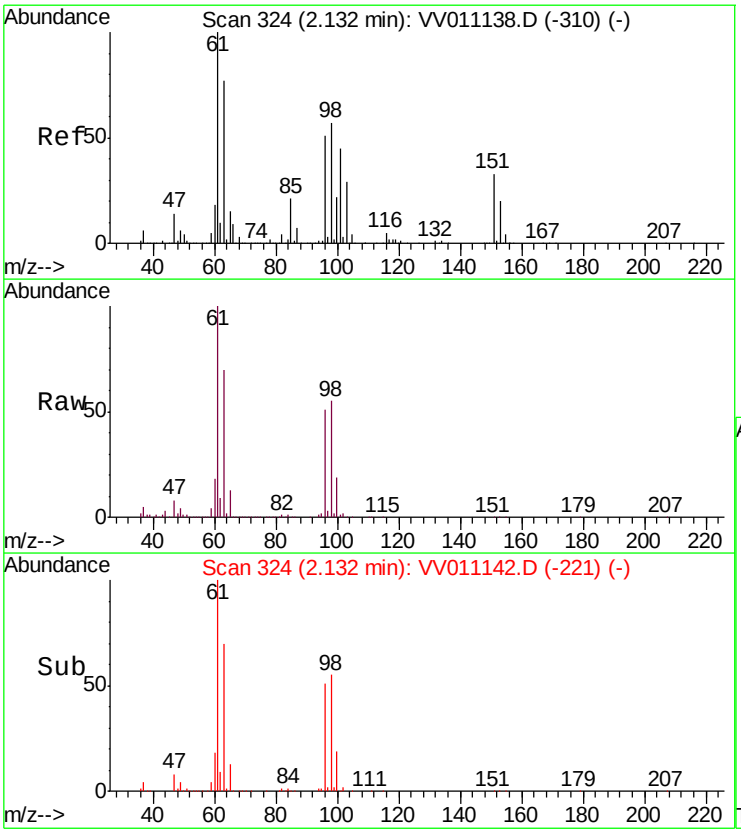
#9
Trichlorofluoromethane
Concen: 15.286 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion:101 Resp: 112738

Ion	Ratio	Lower	Upper
101	100		
103	63.7	44.4	82.4

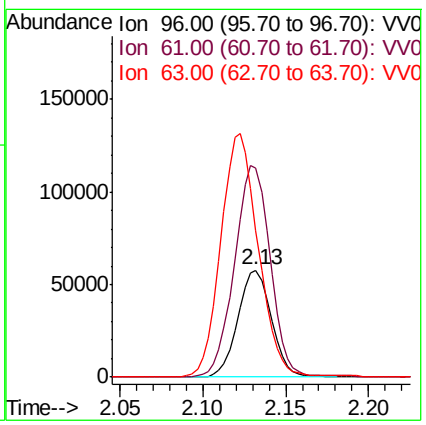


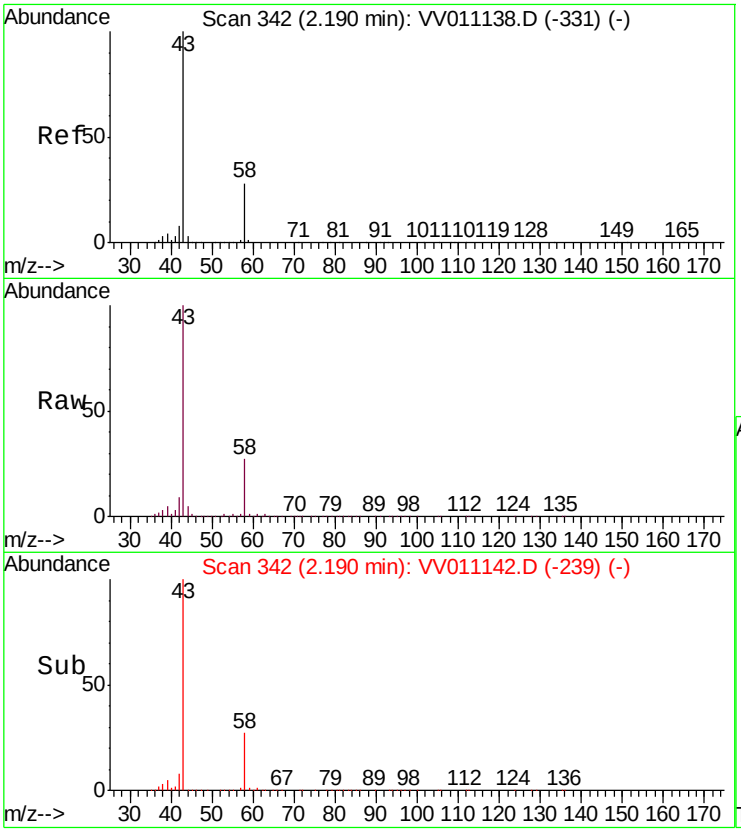


#12
1,1-Dichloroethene
Concen: 22.107 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 96 Resp: 80896

Ion	Ratio	Lower	Upper
96	100		
61	195.3	141.6	263.0
63	137.5	114.4	212.4



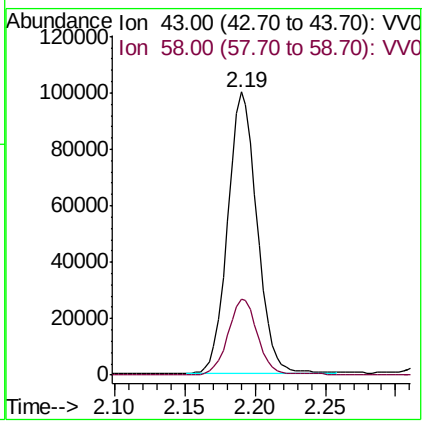


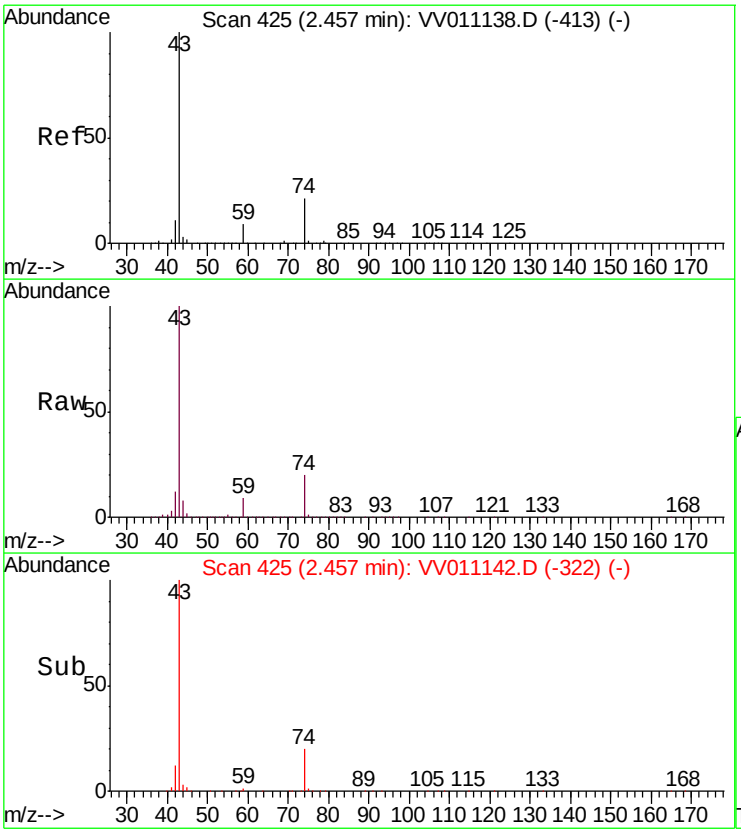
#13
Acetone
Concen: 77.343 ug/L
RT: 2.19 min Scan# 342
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 43 Resp: 144905

Ion	Ratio	Lower	Upper
43	100		
58	26.7	0.0	53.8

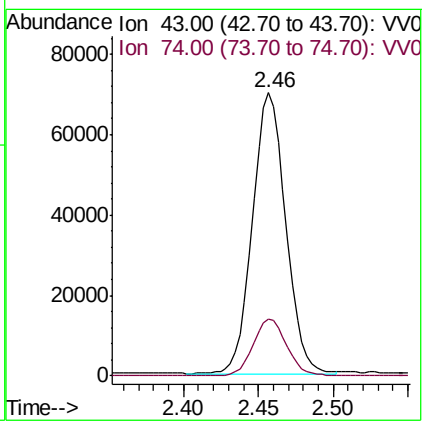


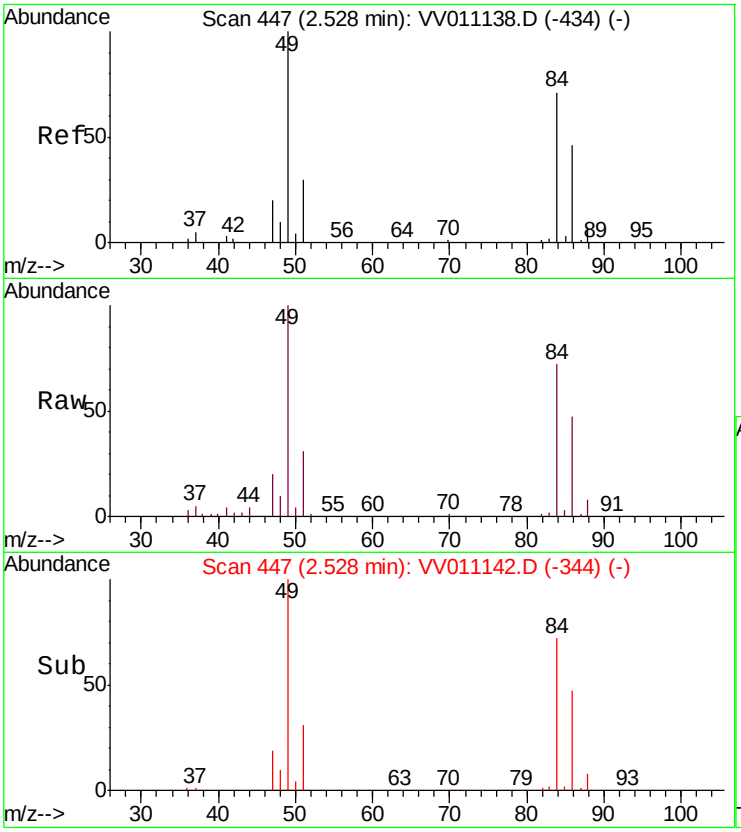


#15
Methyl Acetate
Concen: 38.412 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 43 Resp: 108290

Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.2	24.4



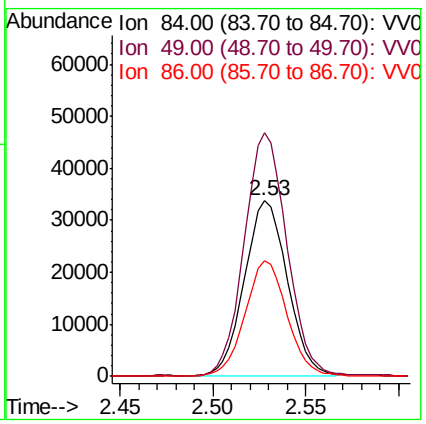


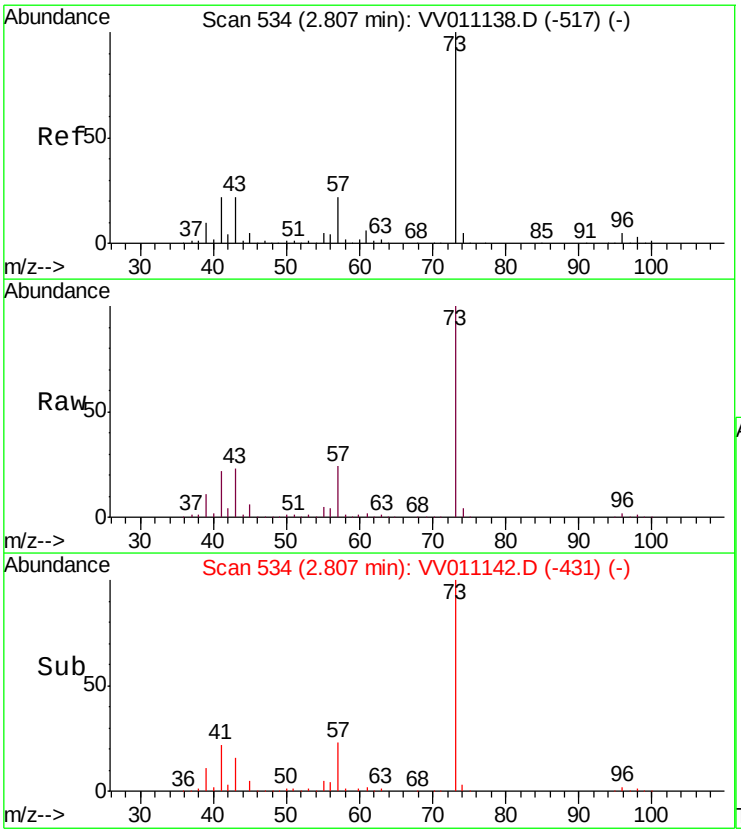
#16
Methylene chloride
Concen: 10.975 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 84 Resp: 54467

Ion	Ratio	Lower	Upper
84	100		
49	138.6	96.1	178.5
86	65.7	45.0	83.6

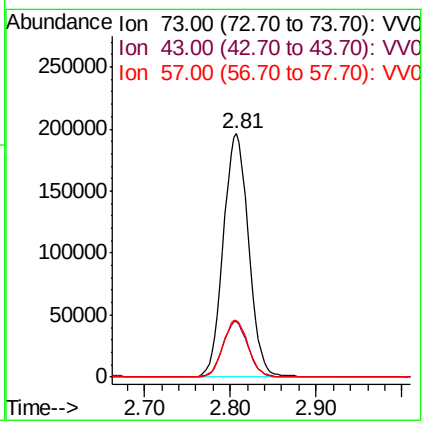


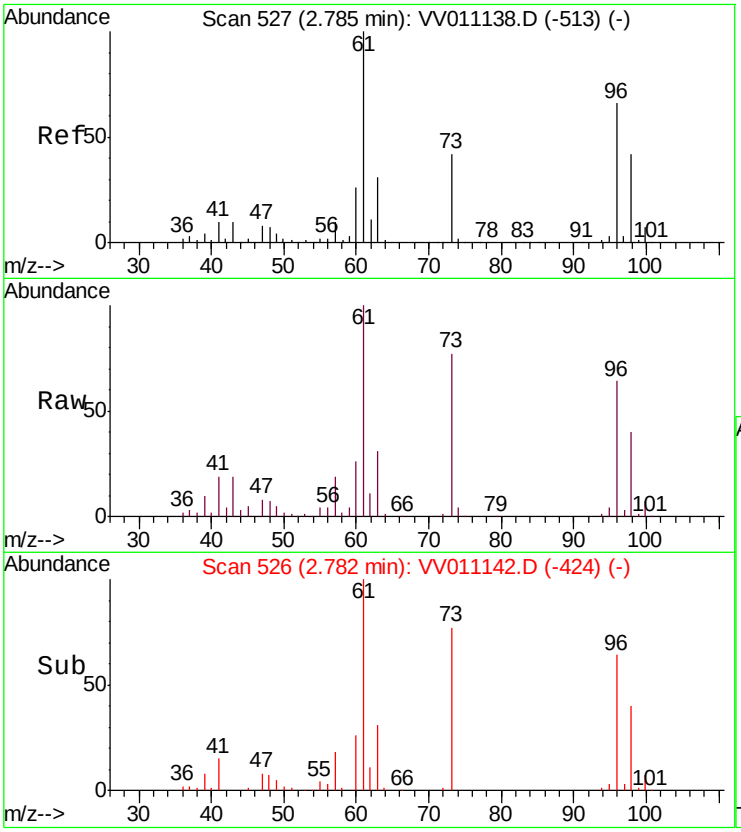


#17
Methyl tert-butyl Ether
Concen: 31.655 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 73 Resp: 401570

Ion	Ratio	Lower	Upper
73	100		
43	22.4	17.5	26.3
57	23.4	18.2	27.4



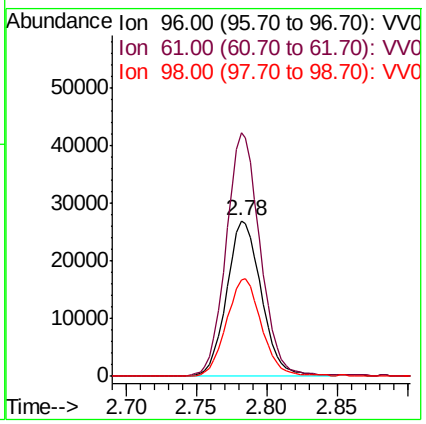


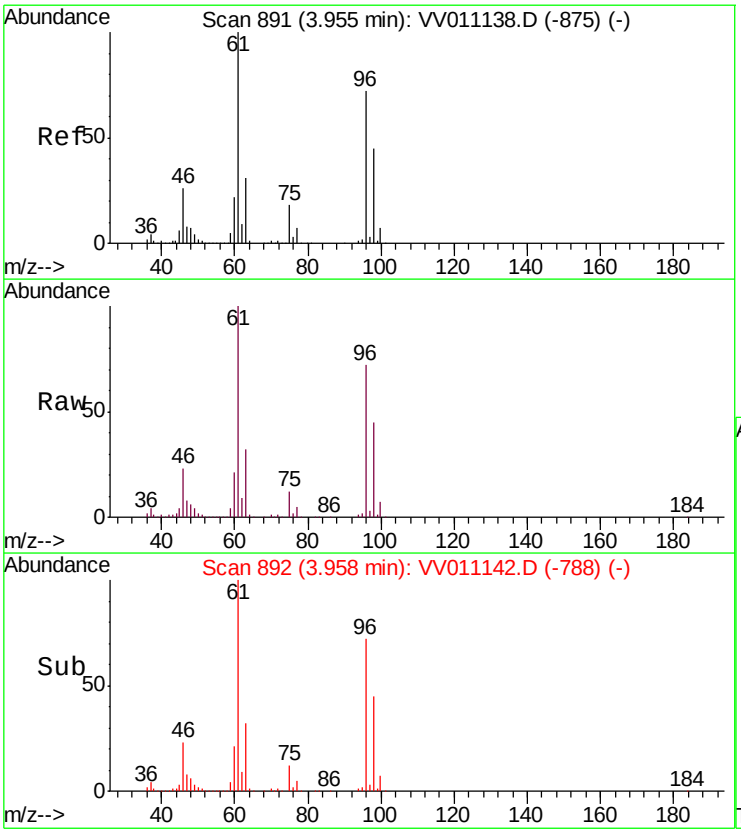
#18
trans-1,2-Dichloroethene
Concen: 10.319 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 96 Resp: 45996

Ion	Ratio	Lower	Upper
96	100		
61	156.3	102.6	190.5
98	62.1	43.3	80.3

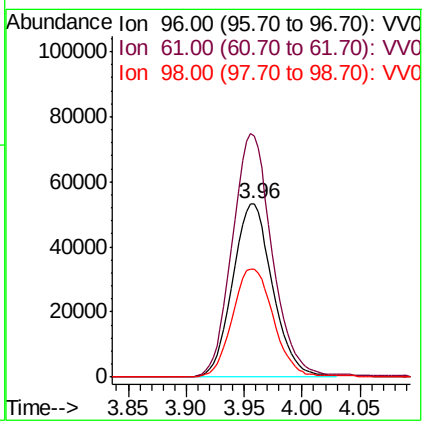


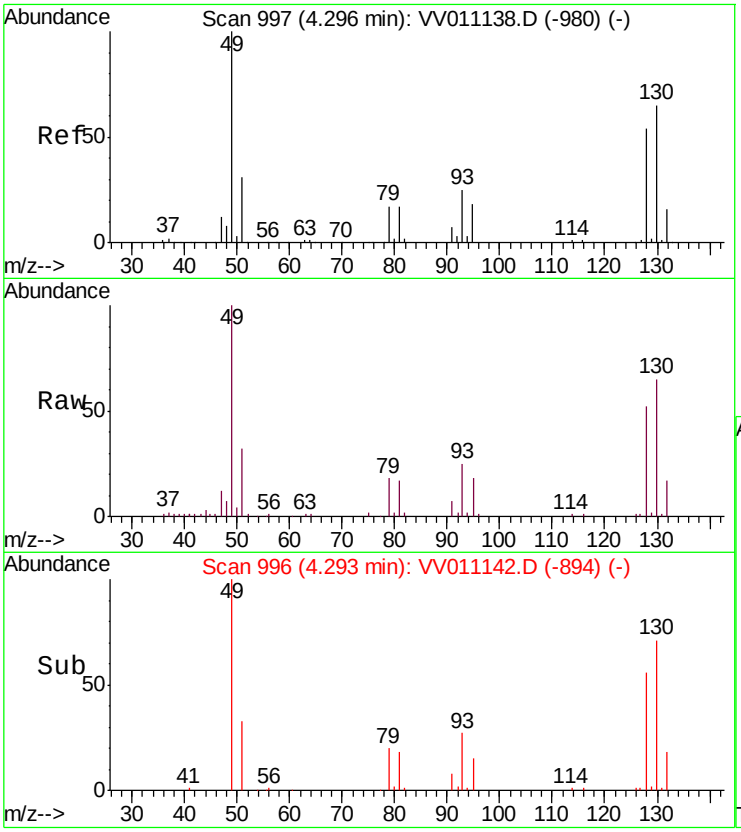


#22
cis-1,2-Dichloroethene
Concen: 25.634 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 96 Resp: 127617

Ion	Ratio	Lower	Upper
96	100		
61	138.6	97.4	181.0
98	62.1	45.0	83.6



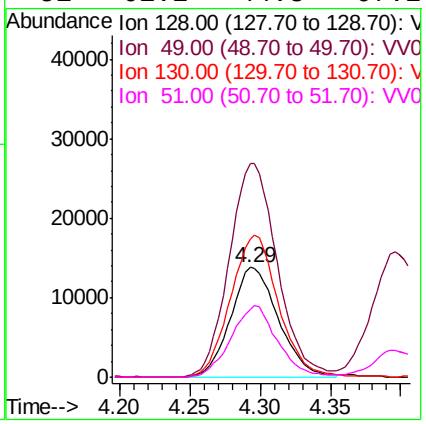


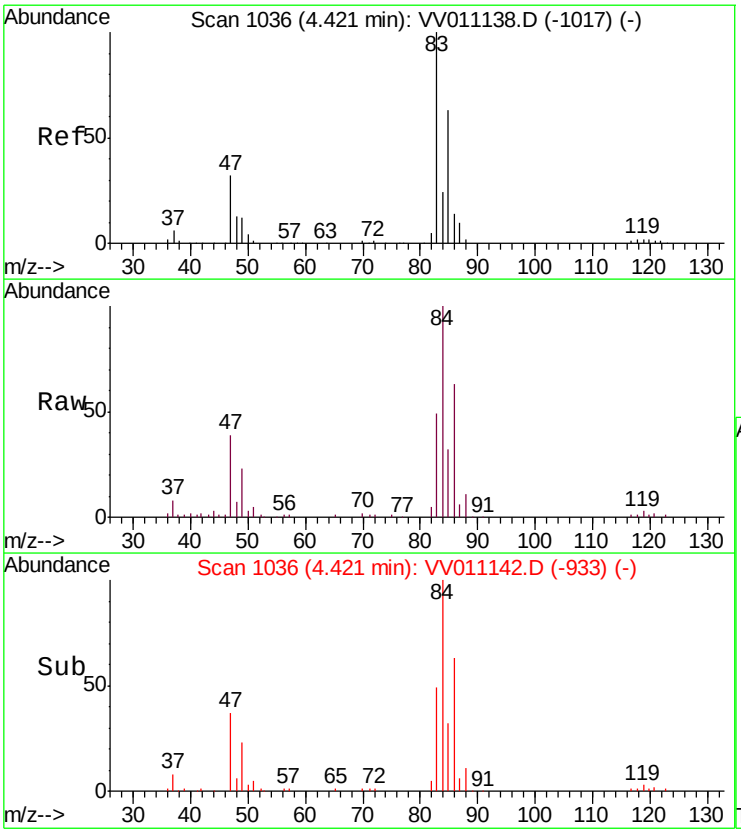
#23
Bromochloromethane
Concen: 15.009 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion:128 Resp: 32878

Ion	Ratio	Lower	Upper
128	100		
49	194.1	125.4	233.0
130	125.8	83.3	154.7
51	61.2	44.8	67.2

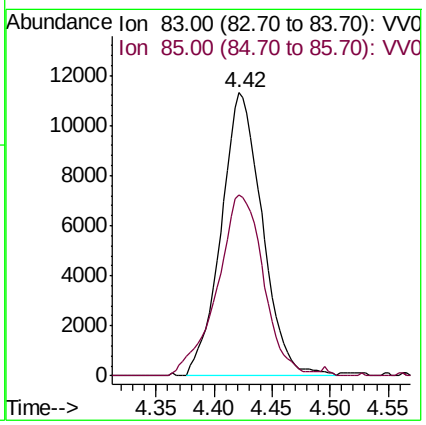


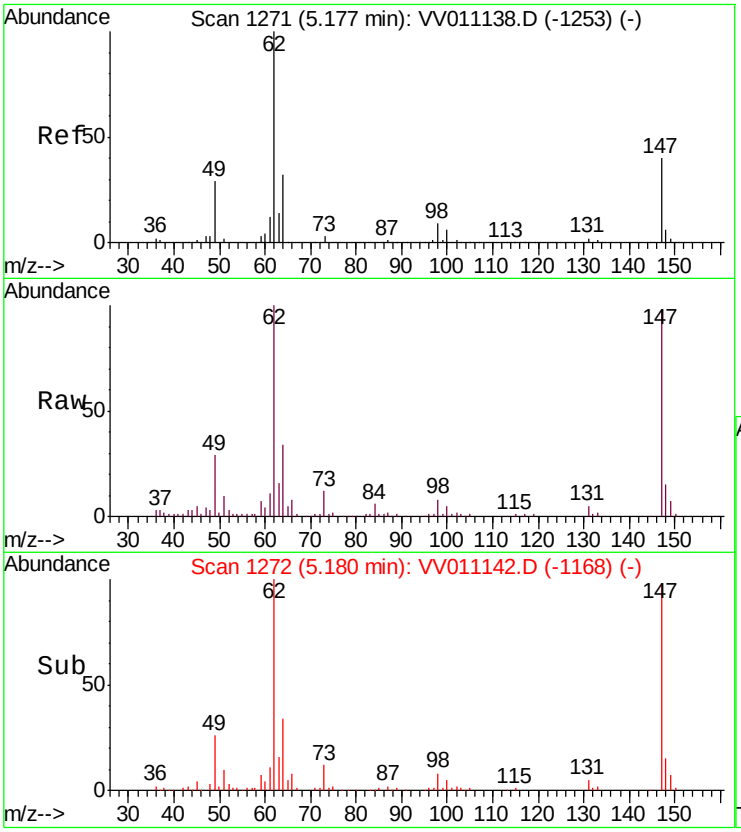


#25
Chloroform
Concen: 3.028 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 83 Resp: 27901

Ion	Ratio	Lower	Upper
83	100		
85	71.5	45.6	84.6



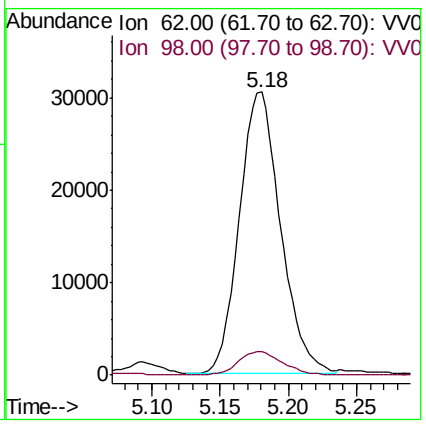


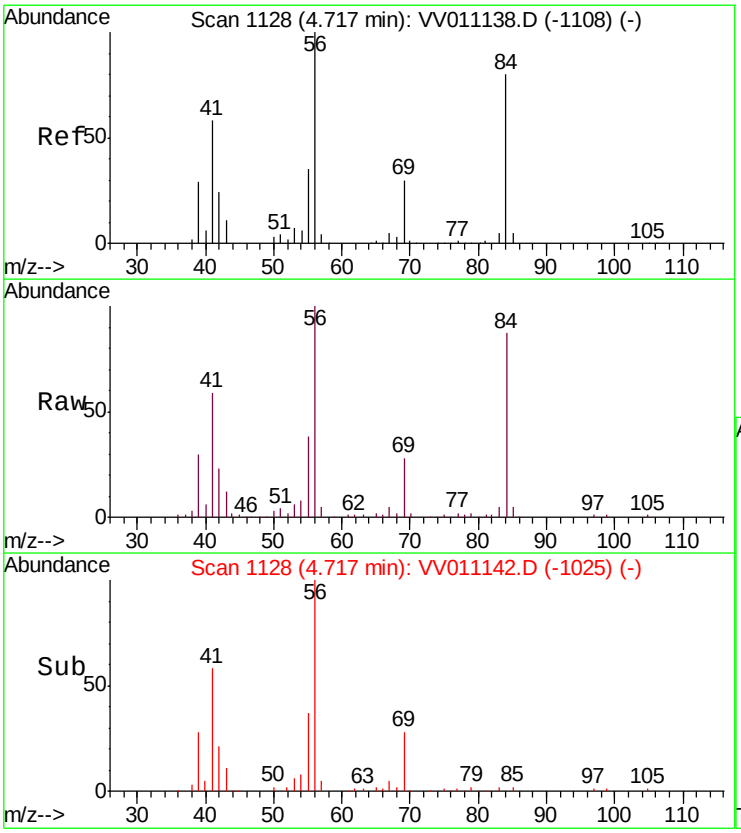
#27
1,2-Dichloroethane
Concen: 9.903 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 62 Resp: 63898

Ion	Ratio	Lower	Upper
62	100		
98	8.2	7.4	11.0

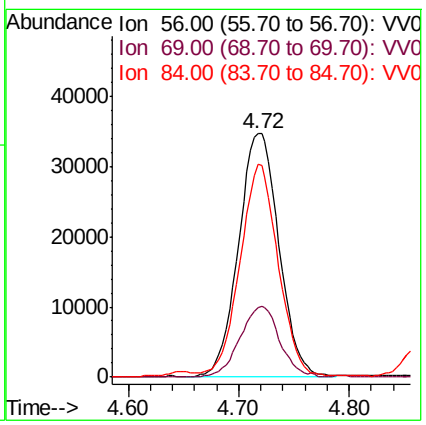


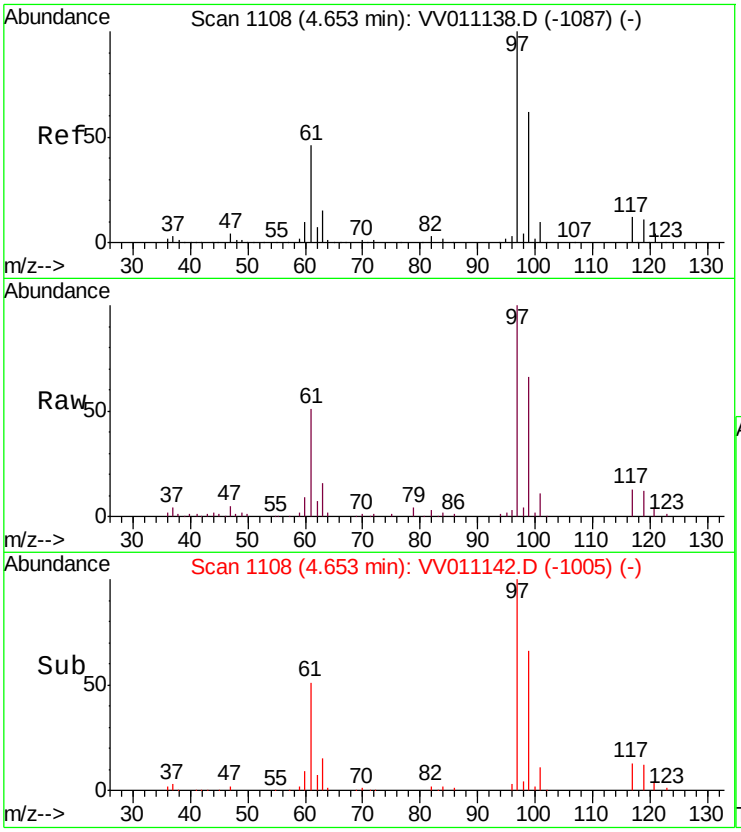


#30
Cyclohexane
Concen: 10.555 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 56 Resp: 88377

Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.4	35.0
84	81.5	65.8	98.8



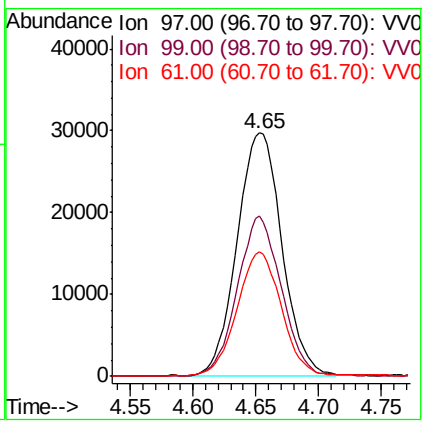


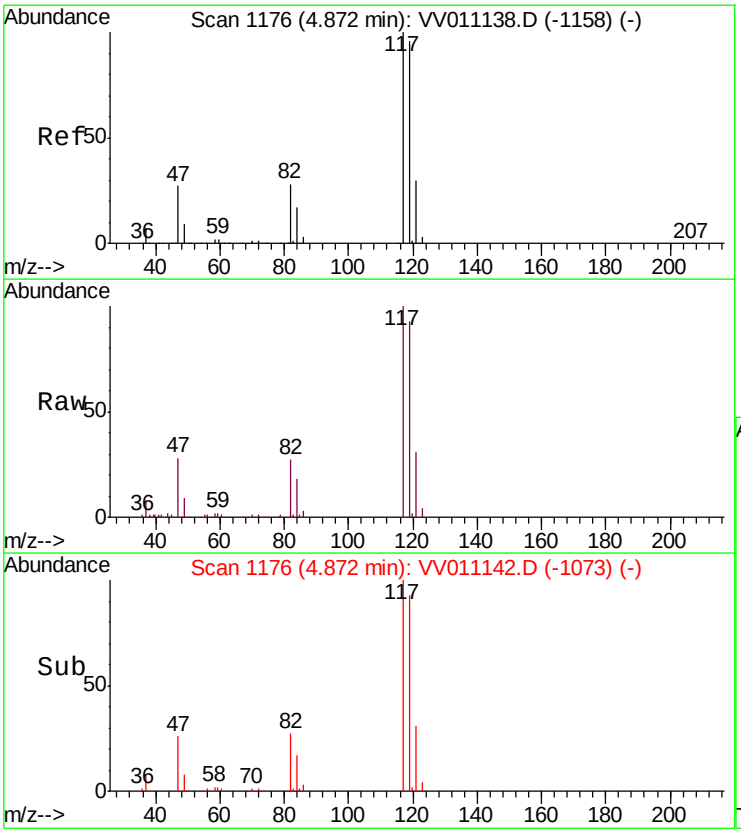
#31
1,1,1-Trichloroethane
Concen: 10.360 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument : MSVOA_V
ClientSampleId : A51H0

Tgt Ion: 97 Resp: 74284

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	50.5	38.4	57.6

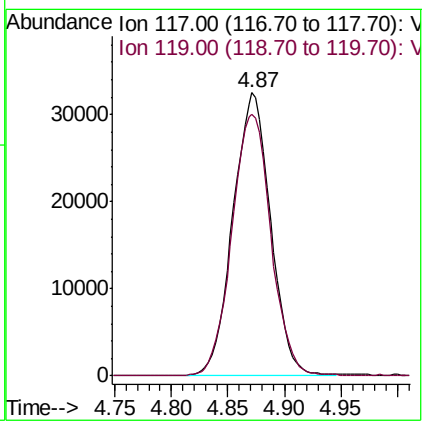


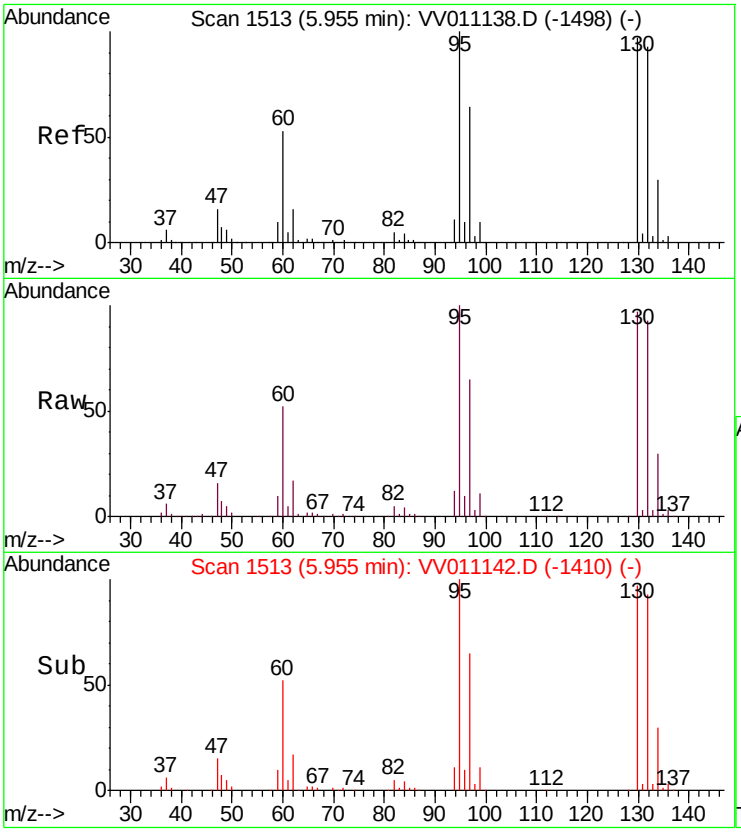


#32
Carbon tetrachloride
Concen: 12.421 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion:117 Resp: 75505

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.3	114.5



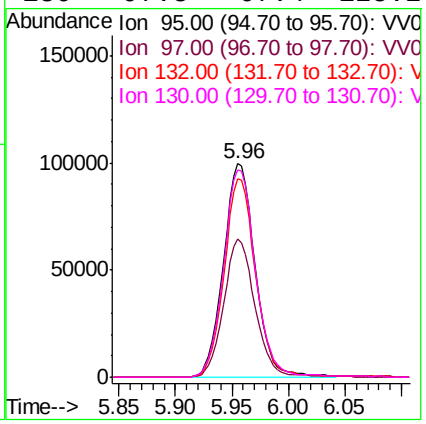


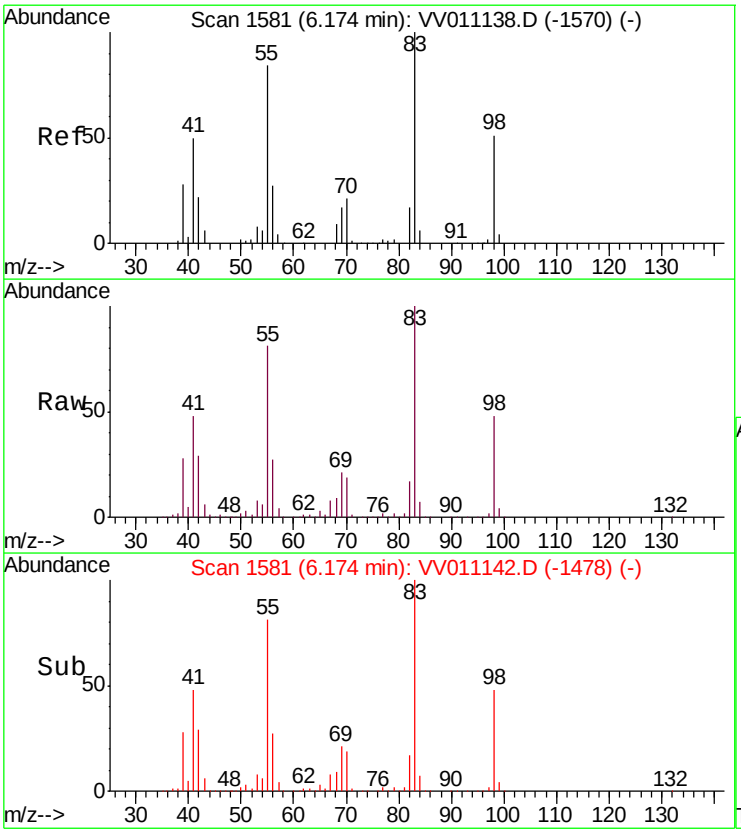
#35
Trichloroethene
Concen: 39.844 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 95 Resp: 193913

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.4	82.5
132	93.2	66.0	122.6
130	97.3	67.4	125.2

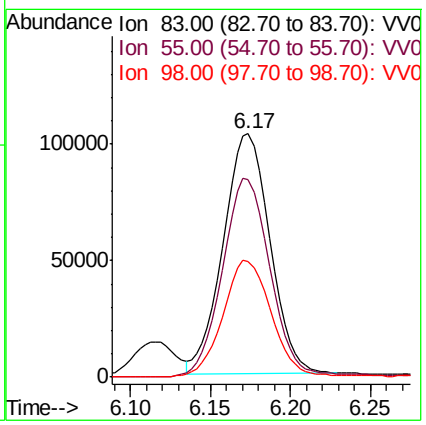


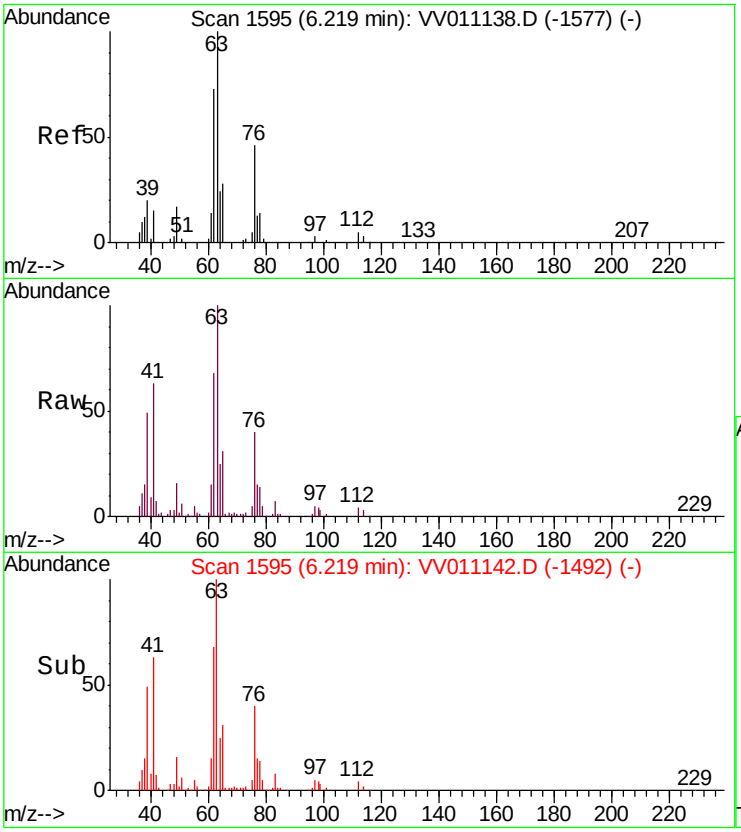


#36
Methylcyclohexane
Concen: 25.057 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 83 Resp: 206370

Ion	Ratio	Lower	Upper
83	100		
55	84.2	66.4	99.6
98	49.3	37.9	56.9



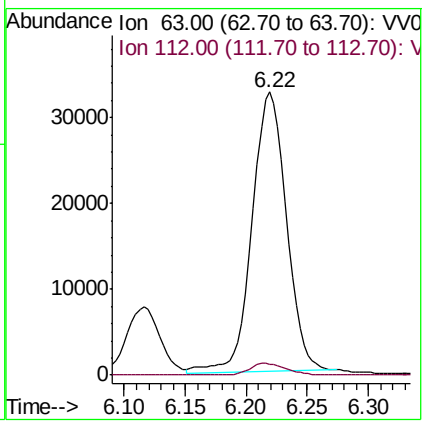


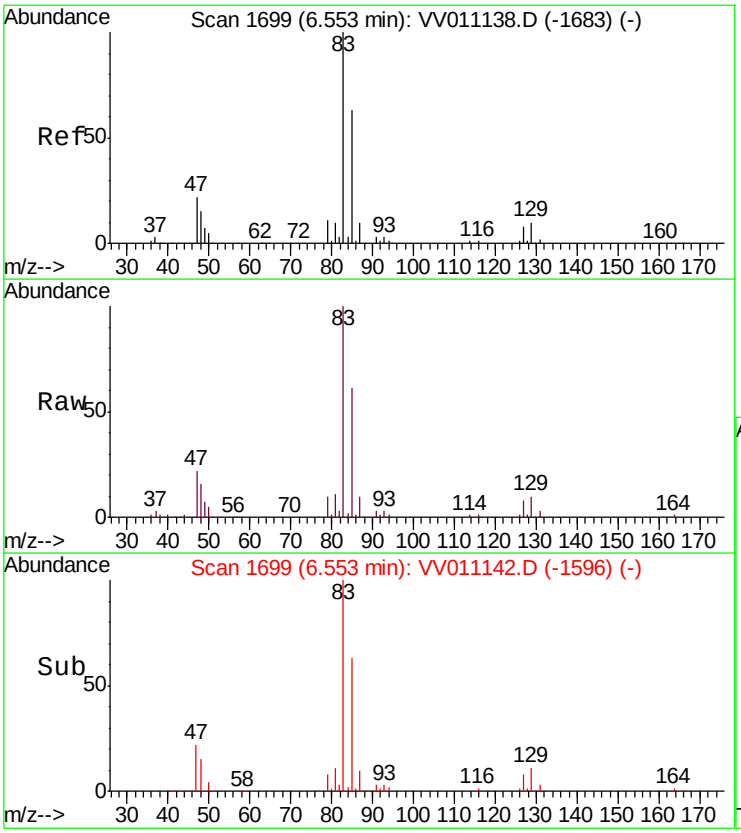
#40
1,2-Dichloropropane
Concen: 13.019 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 63 Resp: 63520

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.6	5.4

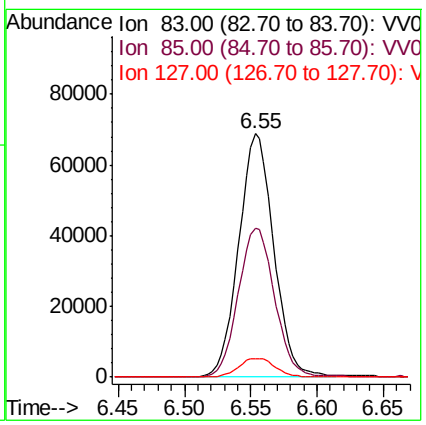


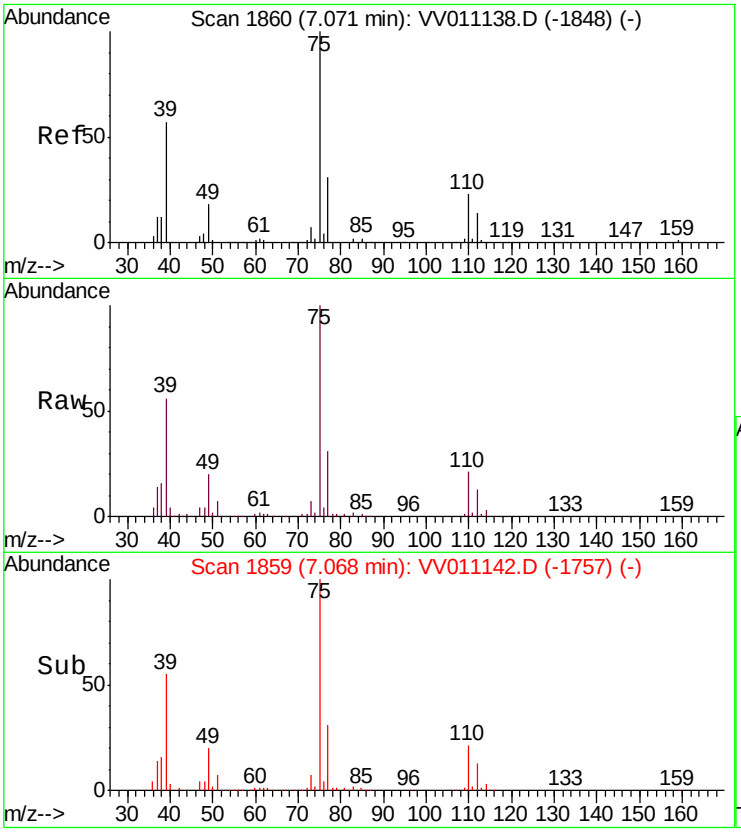


#41
Bromodichloromethane
Concen: 19.948 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 83 Resp: 126772

Ion	Ratio	Lower	Upper
83	100		
85	61.4	44.1	81.9
127	7.8	6.3	9.5



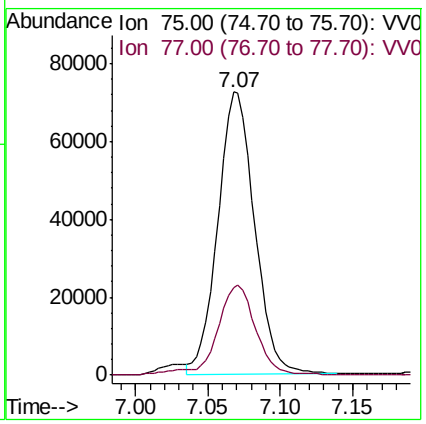


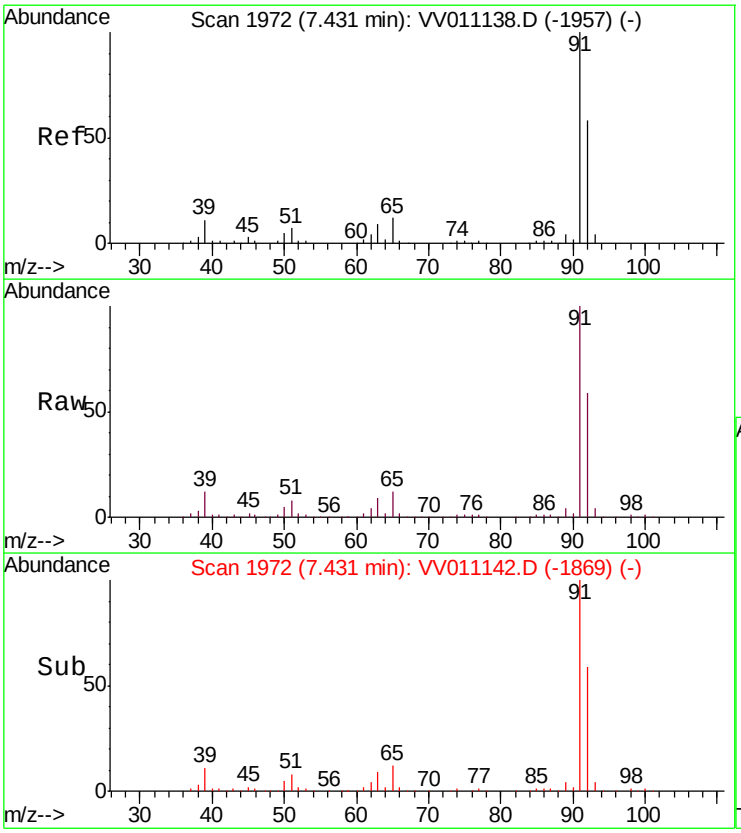
#42
cis-1,3-Dichloropropene
Concen: 16.453 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 75 Resp: 127621

Ion	Ratio	Lower	Upper
75	100		
77	31.0	21.3	39.6

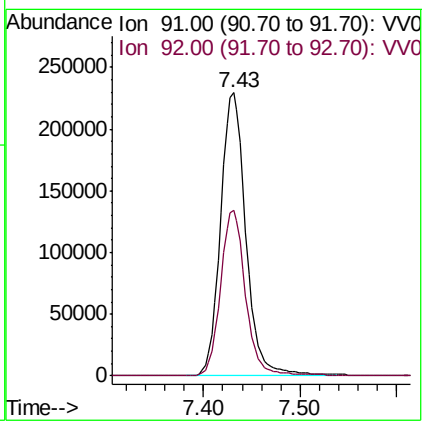


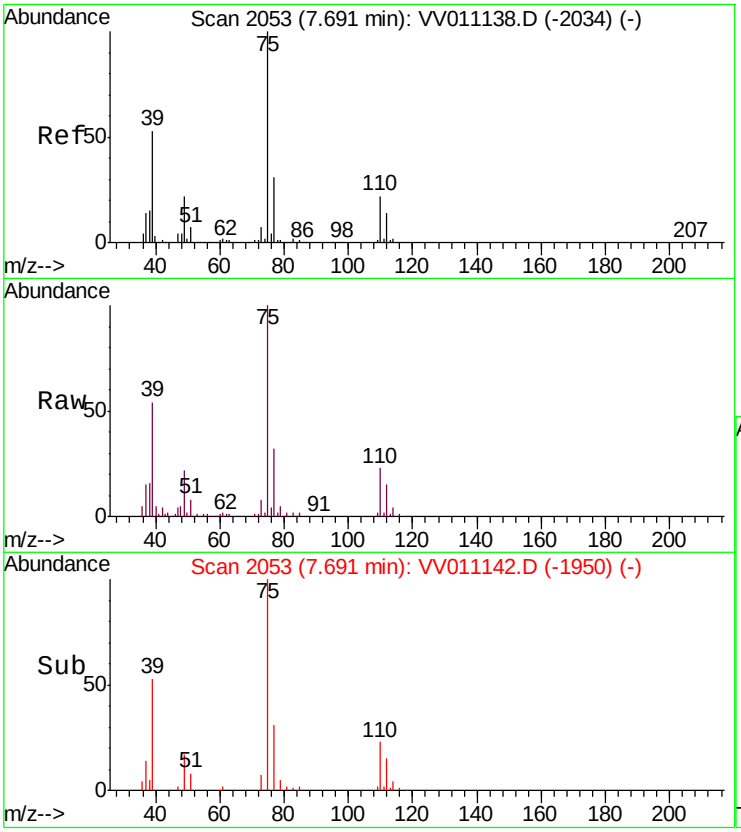


#44
Toluene
Concen: 20.614 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 91 Resp: 417654

Ion	Ratio	Lower	Upper
91	100		
92	58.6	39.9	74.1



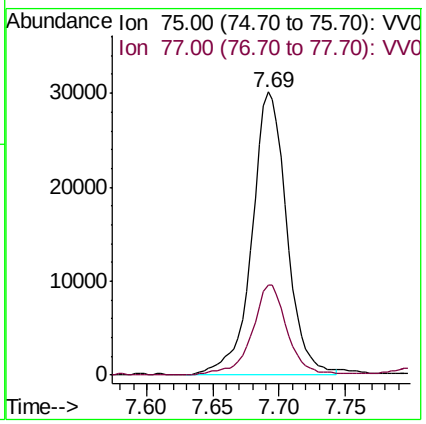


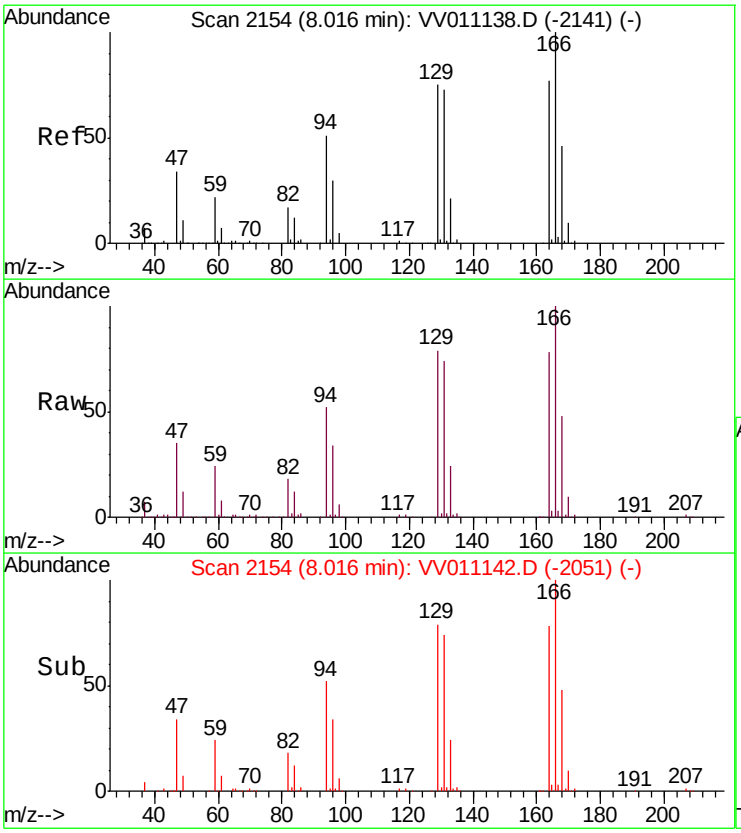
#45
trans-1,3-Dichloropropene
Concen: 8.362 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 75 Resp: 55360

Ion	Ratio	Lower	Upper
75	100		
77	31.9	22.1	41.1

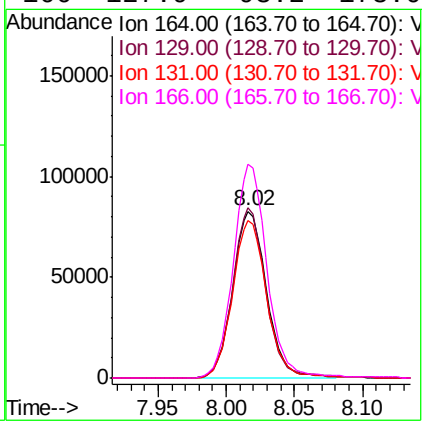


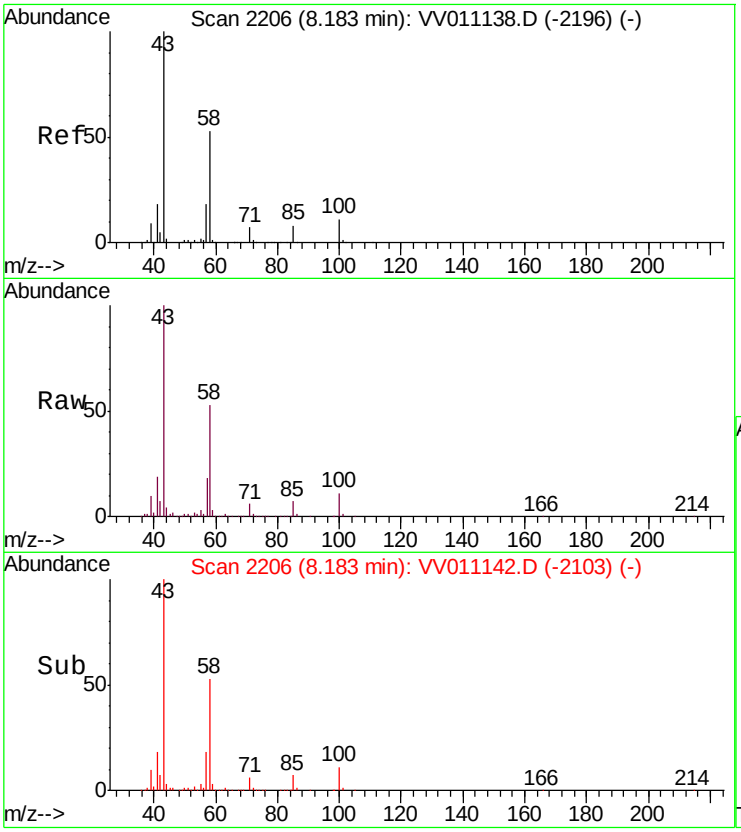


#47
Tetrachloroethene
Concen: 39.386 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion:164 Resp: 142048

Ion	Ratio	Lower	Upper
164	100		
129	101.6	69.1	128.3
131	94.6	65.5	121.6
166	127.9	93.2	173.0



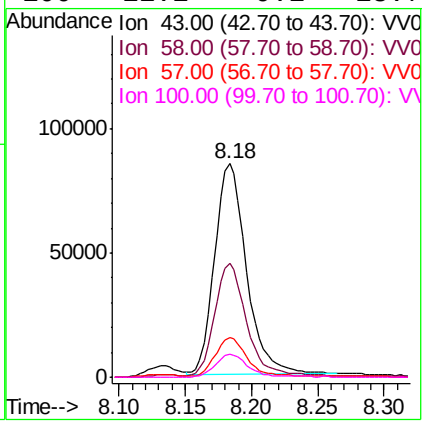


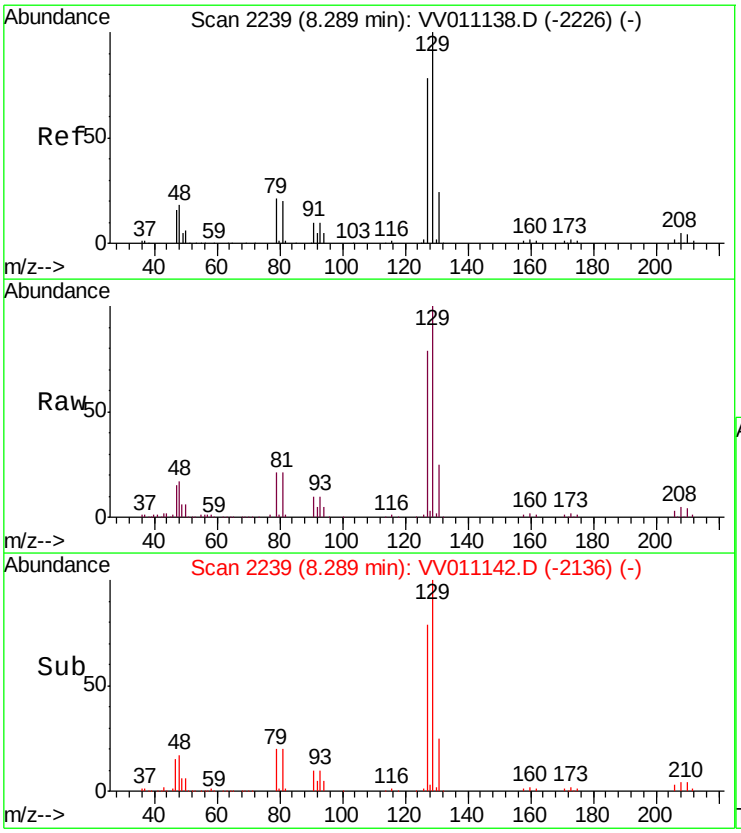
#49
2-Hexanone
Concen: 44.490 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument : MSVOA_V
ClientSampleId : A51H0

Tgt Ion: 43 Resp: 142079

Ion	Ratio	Lower	Upper
43	100		
58	53.8	41.2	61.8
57	17.9	14.3	21.5
100	11.1	9.1	13.7

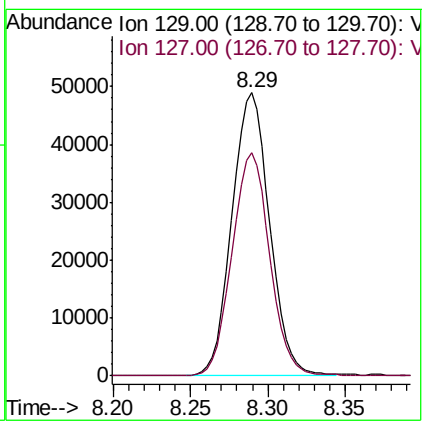


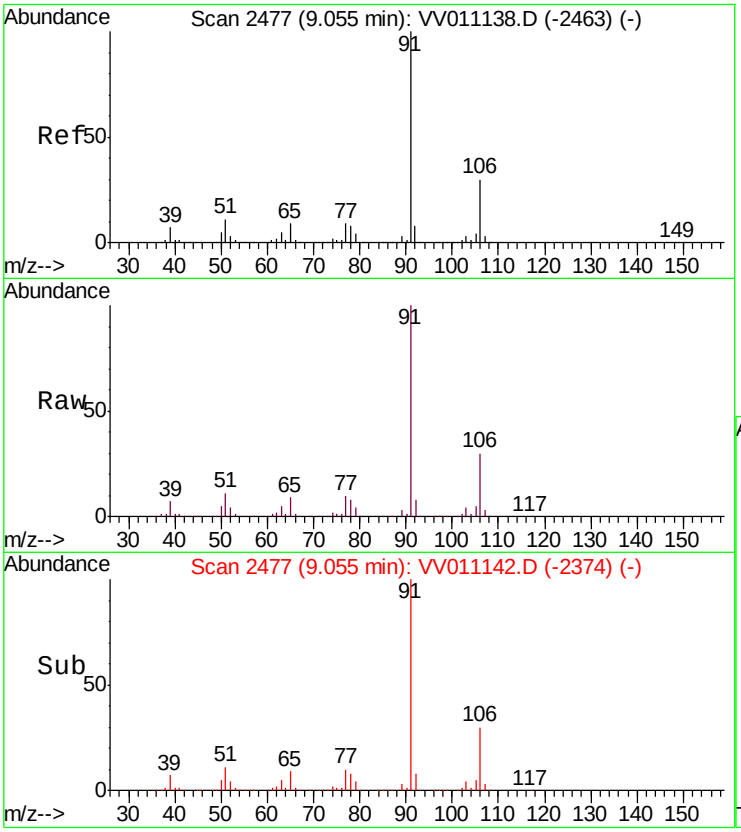


#50
Dibromochloromethane
Concen: 19.278 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion:129 Resp: 82908

Ion	Ratio	Lower	Upper
129	100		
127	78.7	53.8	99.8



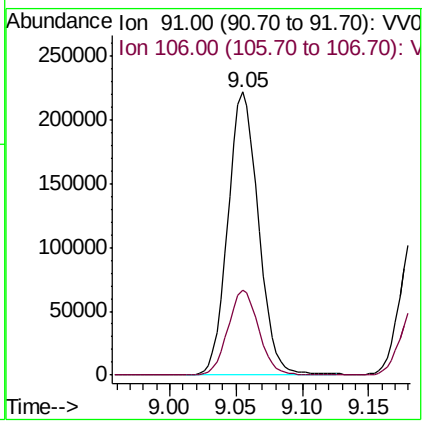


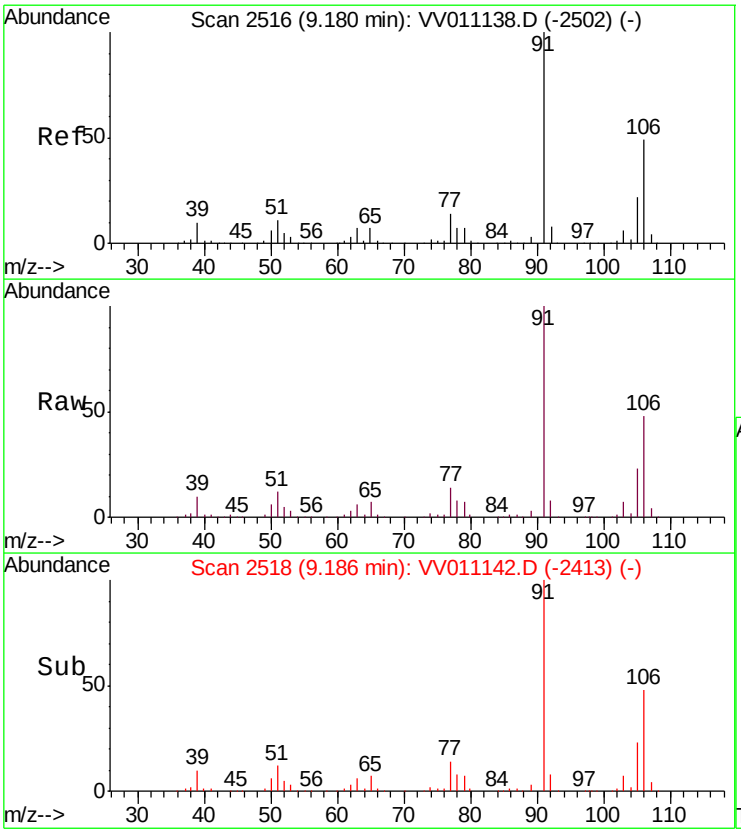
#53
Ethylbenzene
Concen: 15.342 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument : MSVOA_V
ClientSampleId : A51H0

Tgt Ion: 91 Resp: 356655

Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.2	39.4

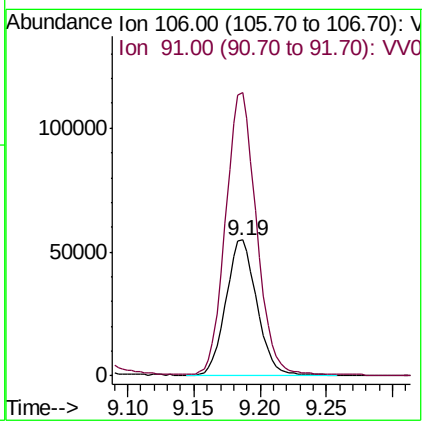


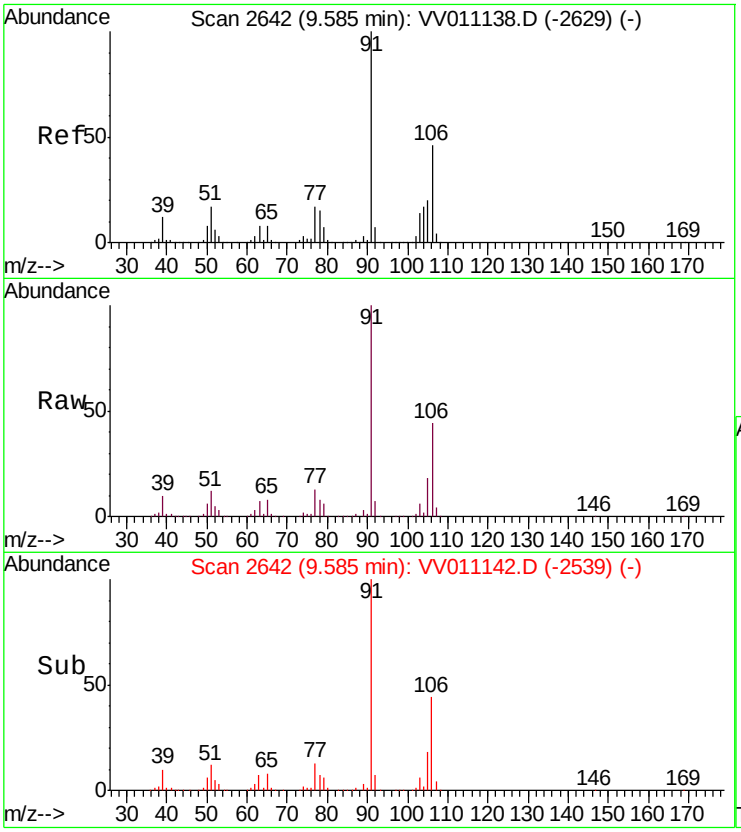


#54
m,p-Xylene
Concen: 10.295 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.01 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion:106 Resp: 89024

Ion	Ratio	Lower	Upper
106	100		
91	208.0	145.3	269.9



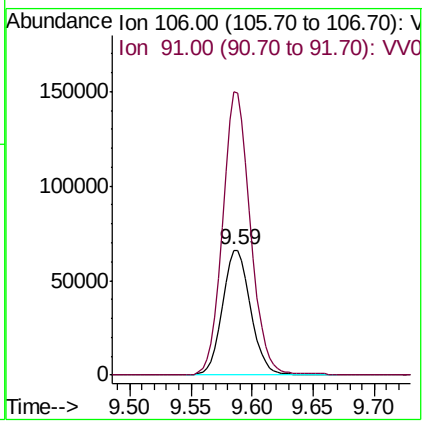


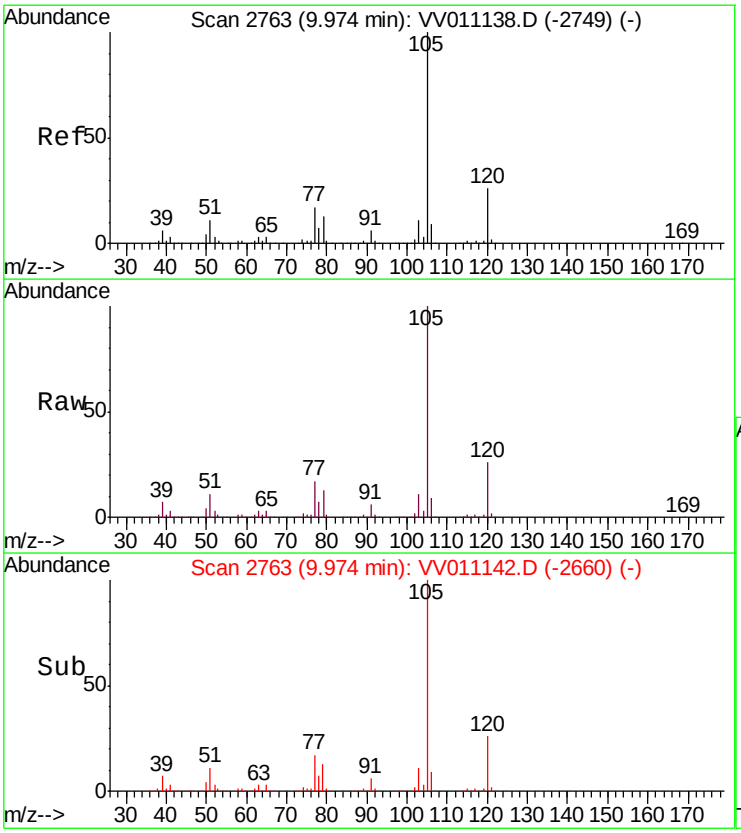
#55
o-xylene
Concen: 12.698 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion:106 Resp: 107986

Ion	Ratio	Lower	Upper
106	100		
91	226.3	156.4	290.6

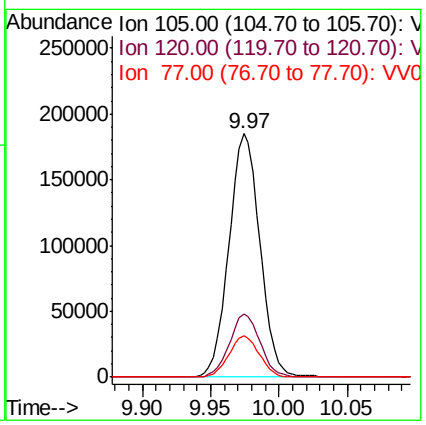


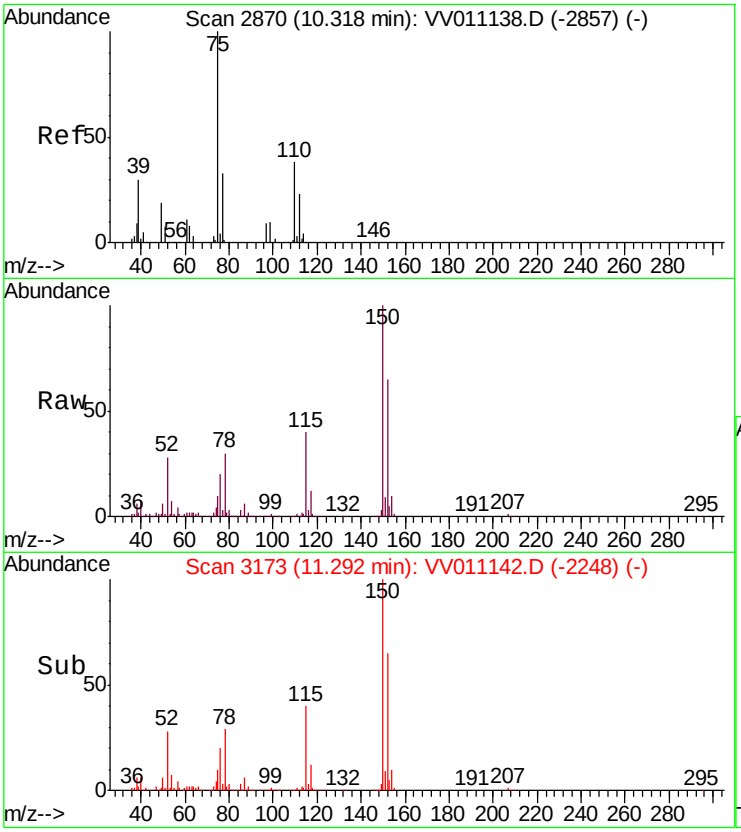


#57
Isopropylbenzene
Concen: 12.833 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion:105 Resp: 291410

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	31.0
77	16.7	13.3	19.9



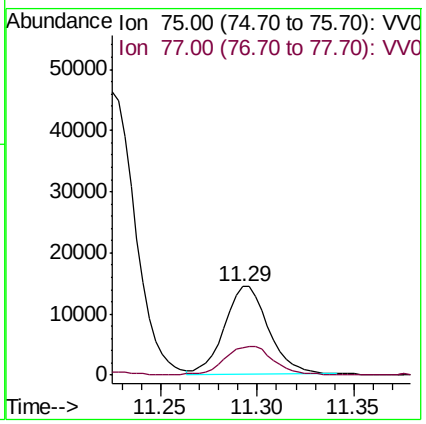


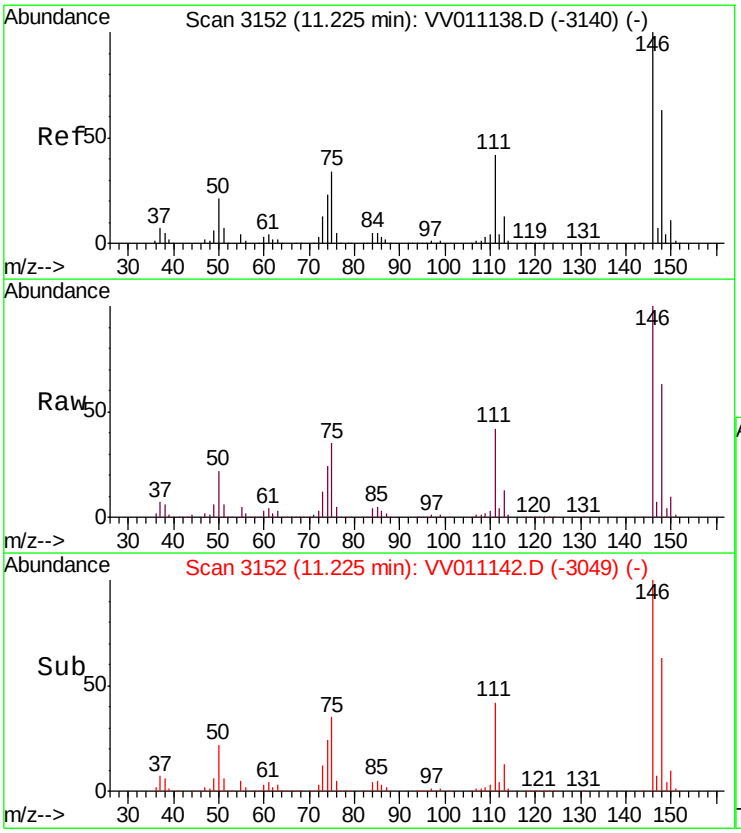
#59
1,2,3-Trichloropropane
Concen: 5.886 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion: 75 Resp: 23016

Ion	Ratio	Lower	Upper
75	100		
77	36.3	25.7	38.5

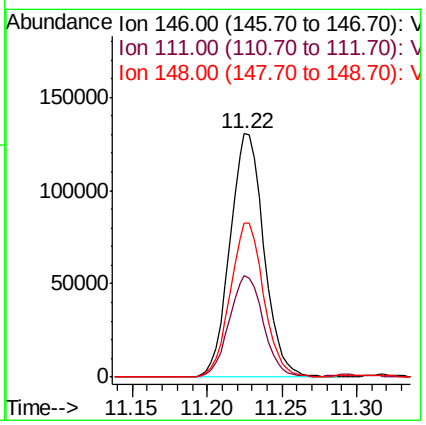


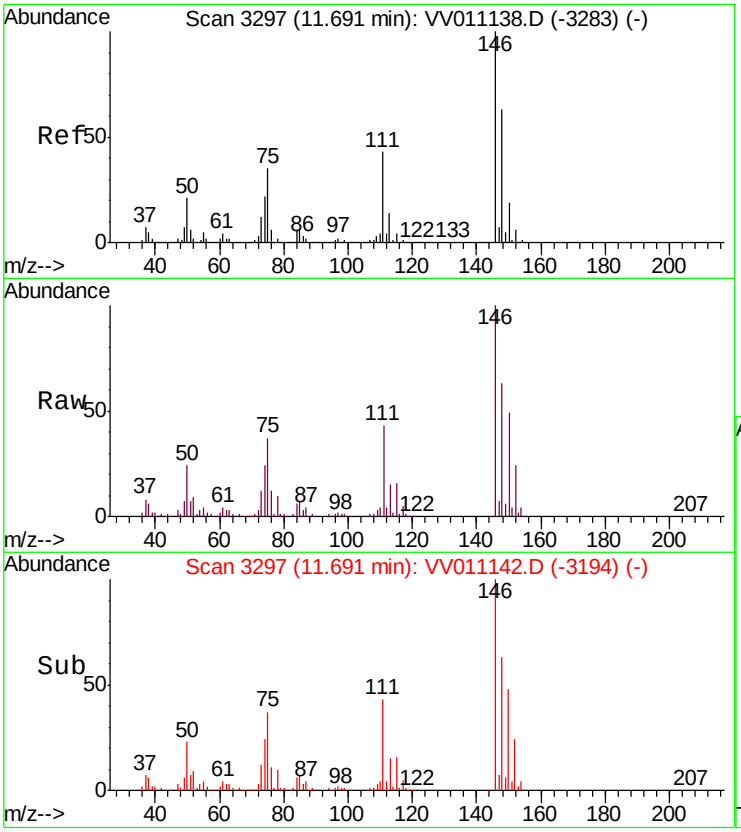


#63
1,3-Dichlorobenzene
Concen: 20.713 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion:146 Resp: 205832

Ion	Ratio	Lower	Upper
146	100		
111	41.5	29.9	55.5
148	63.4	45.4	84.2



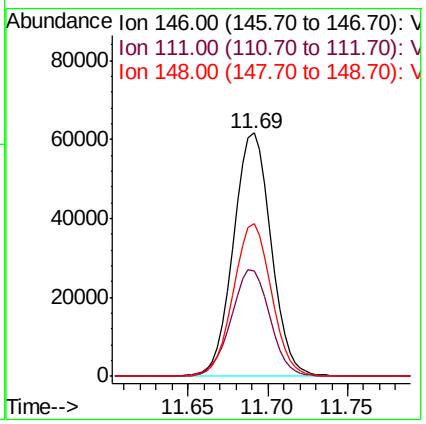


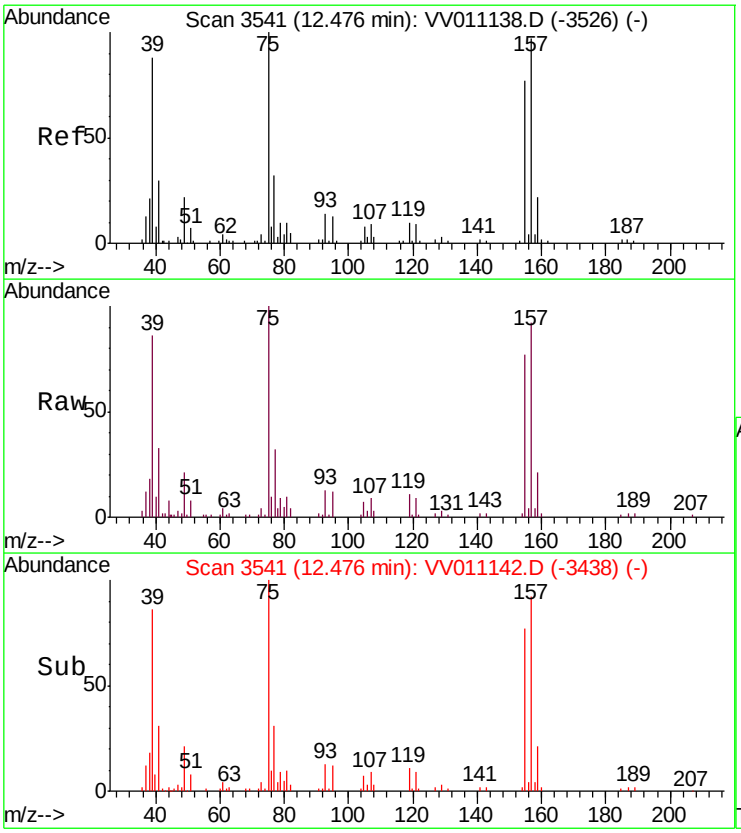
#65
1,2-Dichlorobenzene
Concen: 10.504 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion:146 Resp: 98828

Ion	Ratio	Lower	Upper
146	100		
111	43.3	34.8	52.2
148	62.6	51.0	76.6

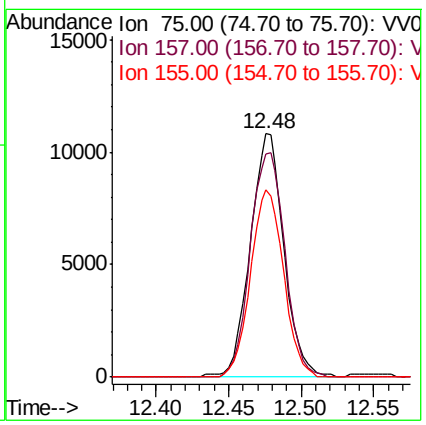


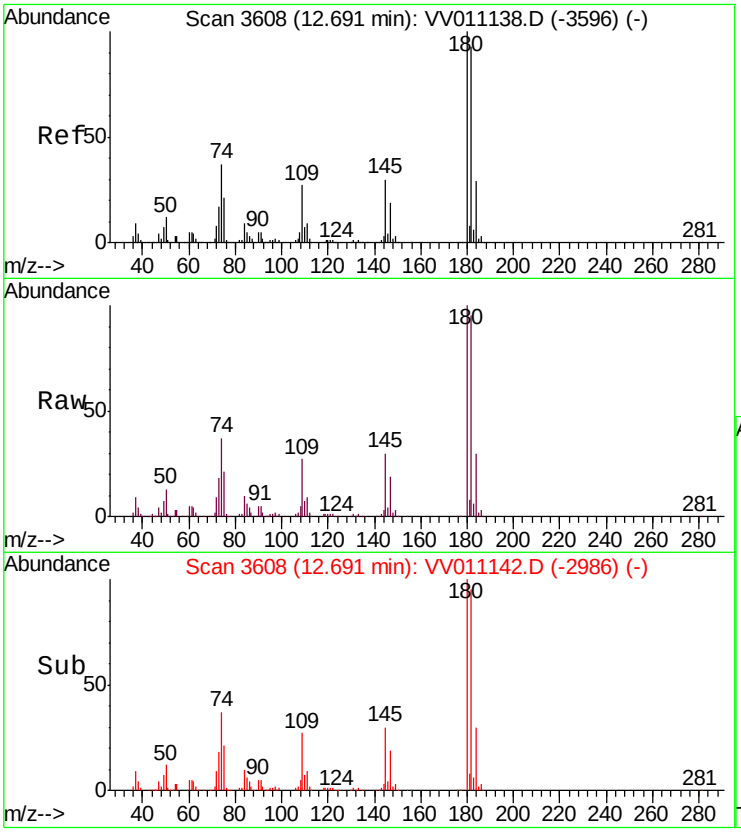


#66
1,2-Dibromo-3-chloropropane
Concen: 19.119 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Tgt Ion: 75 Resp: 17454

Ion	Ratio	Lower	Upper
75	100		
157	91.5	79.6	119.4
155	76.8	62.4	93.6





#67
1,3,5-Trichlorobenzene
Concen: 24.975 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV011142.D
Acq: 30 May 2019 17:39

Instrument :
MSVOA_V
ClientSampleId :
A51H0

Tgt Ion:180 Resp: 185521

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.3	112.9
184	30.4	24.3	36.5
145	30.6	24.2	36.4