Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\

Quantitation Report (Not Reviewed)

Data File : VV011918.D
Acq On : 17 Jul 2019 18:13
Operator : SY/MD
Sample : K3823-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52K8

Quant Time: Jul 18 02:22:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	159224	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	150780	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66851	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	57995	4.96	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 99.20%			
7) Chloroethane-d5	1.58	69	44923	4.64	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.80%			
11) 1,1-Dichloroethene-d2	2.14	63	133829	6.99	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 139.80%#			
20) 2-Butanone-d5	3.97	46	177947	60.25	ug/L	0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 120.50%			
24) Chloroform-d	4.40	84	111930	4.78	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.60%			
26) 1,2-Dichloroethane-d4	5.08	65	60791	5.05	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.00%			
32) Benzene-d6	5.10	84	222431	5.07	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.40%			
36) 1,2-Dichloropropane-d6	6.12	67	69923	5.20	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.00%			
41) Toluene-d8	7.36	98	190521	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.20%			
43) trans-1,3-Dichloropropene-	7.67	79	22931	4.61	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.20%			
46) 2-Hexanone-d5	8.14	63	95460	47.68	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 95.36%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41588	4.93	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.60%			
64) 1,2-Dichlorobenzene-d4	11.67	152	68912	5.16	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 103.20%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	1324	0.084	ug/L	97
5) Vinyl chloride	1.33	62	317455	20.882	ug/L	98
8) Chloroethane	1.33	64	99799	11.543	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	927	0.100	ug/L #	21
12) 1,1-Dichloroethene	2.14	96	113408	13.363	ug/L #	85
13) Acetone	2.19	43	10044	6.701	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	17108	1.434	ug/L	96
19) 1,1-Dichloroethane	3.23	63	53448	2.376	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	23883049	1944.335	ug/L	70
25) Chloroform	4.43	83	3612	0.149	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	46739	2.522	ug/L	98
31) Carbon tetrachloride	4.66	117	5830	0.360	ug/L	93
34) Trichloroethene	5.96	95	71591	5.460	ug/L	99
35) Methylcyclohexane	6.12	83	16729	0.841	ug/L #	16
45) 1,1,2-Trichloroethane	7.88	97	1440	0.185	ug/L	96
47) Tetrachloroethene	8.02	164	1145	0.119	ug/L	84
48) 2-Hexanone	8.19	43	10245	2.068	ug/L #	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\

Quantitation Report (Not Reviewed)

Data File : VV011918.D
Acq On : 17 Jul 2019 18:13
Operator : SY/MD
Sample : K3823-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52K8

Quant Time: Jul 18 02:22:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	1095	0.130	ug/L #	11
63) 1,4-Dichlorobenzene	11.32	146	2233	0.101	ug/L	87
65) 1,2-Dichlorobenzene	11.69	146	3111	0.154	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	3106	2.714	ug/L #	3

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

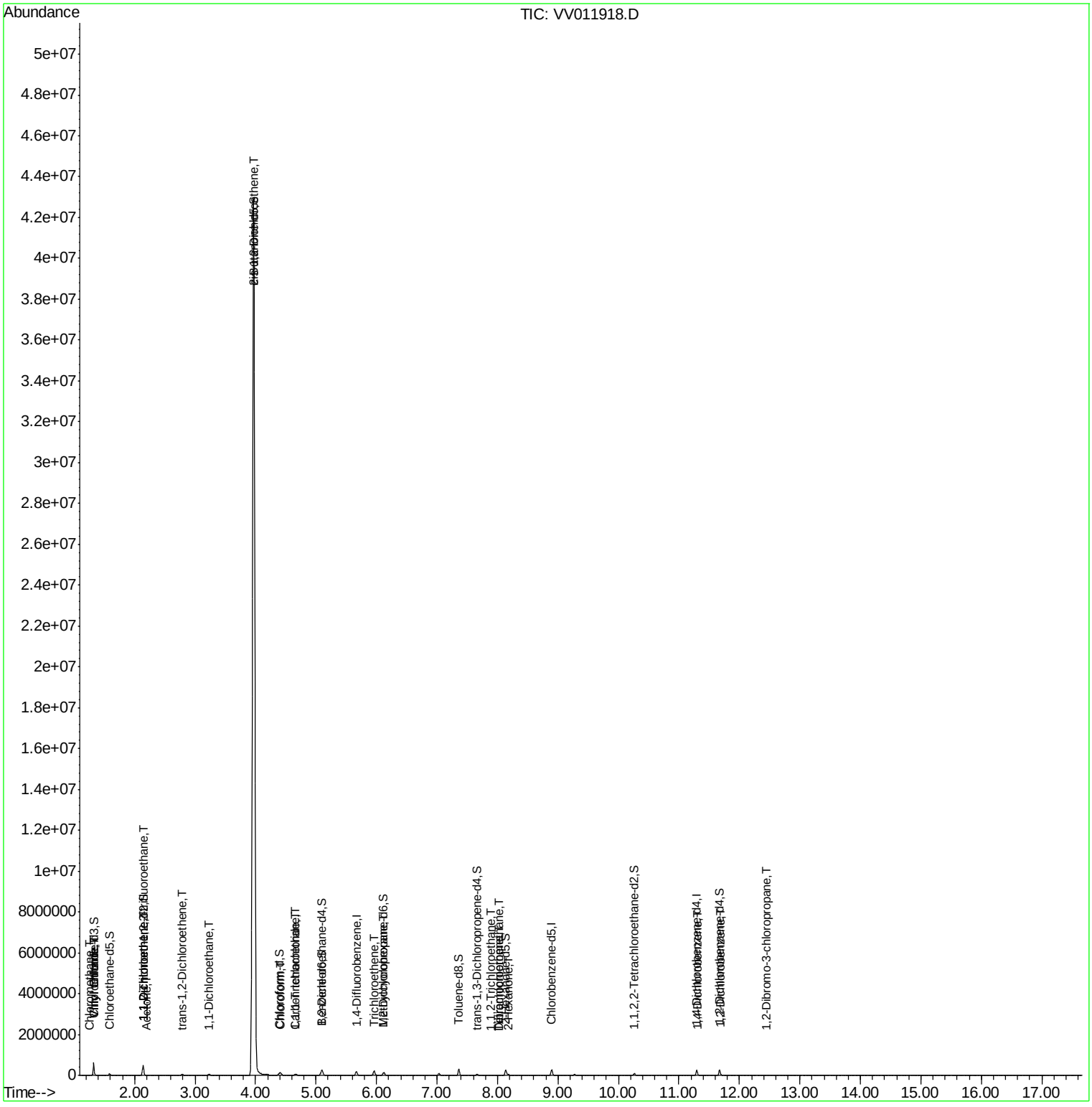
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\

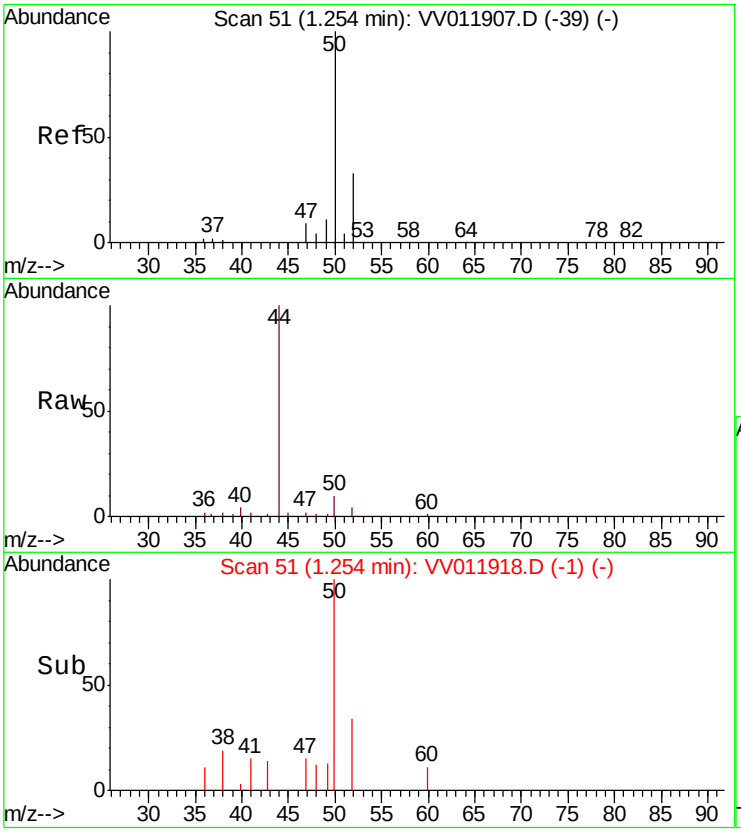
Quantitation Report (Not Reviewed)

Data File : VV011918.D
Acq On : 17 Jul 2019 18:13
Operator : SY/MD
Sample : K3823-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Quant Time: Jul 18 02:22:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration



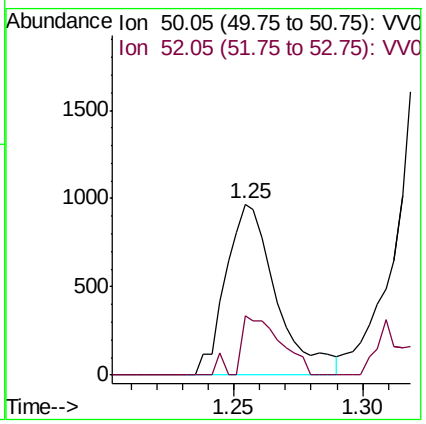


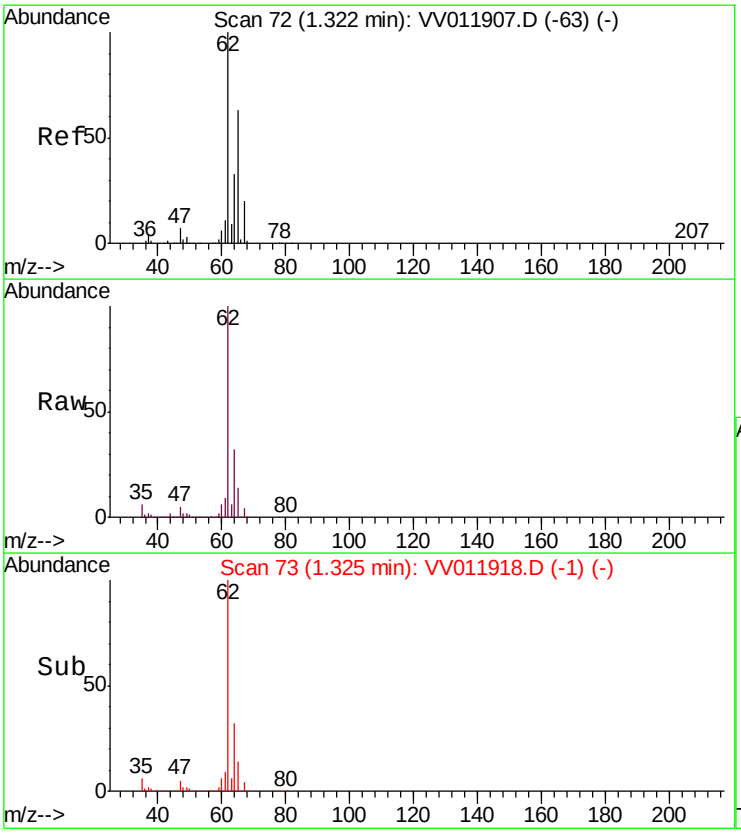
#3
Chloromethane
Concen: 0.084 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument : MSVOA_V
ClientSampleId : A52K8

Tgt Ion: 50 Resp: 1324

Ion	Ratio	Lower	Upper
50	100		
52	34.5	23.1	42.9

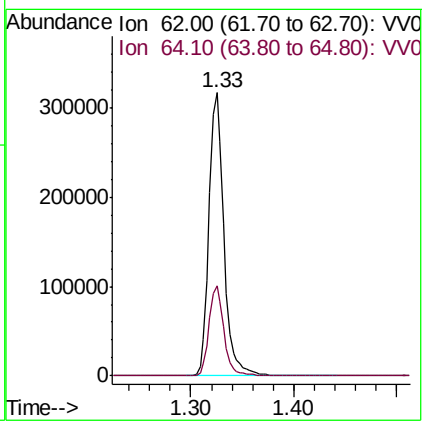


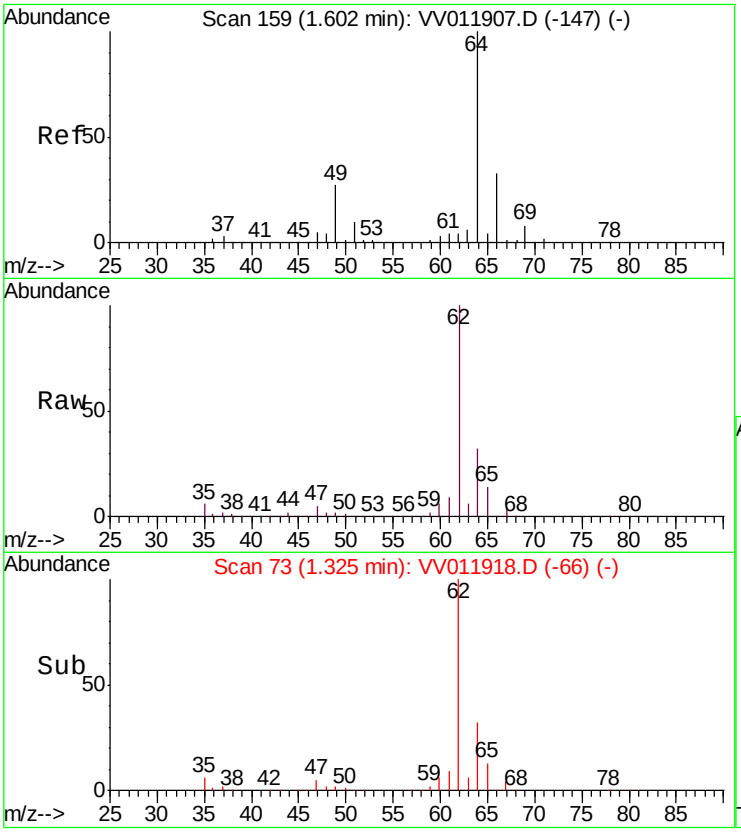


#5
Vinyl chloride
Concen: 20.882 ug/L
RT: 1.33 min Scan# 73
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion: 62 Resp: 317455

Ion	Ratio	Lower	Upper
62	100		
64	31.7	22.9	42.5



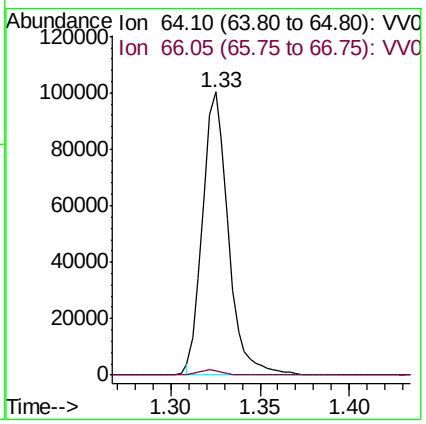


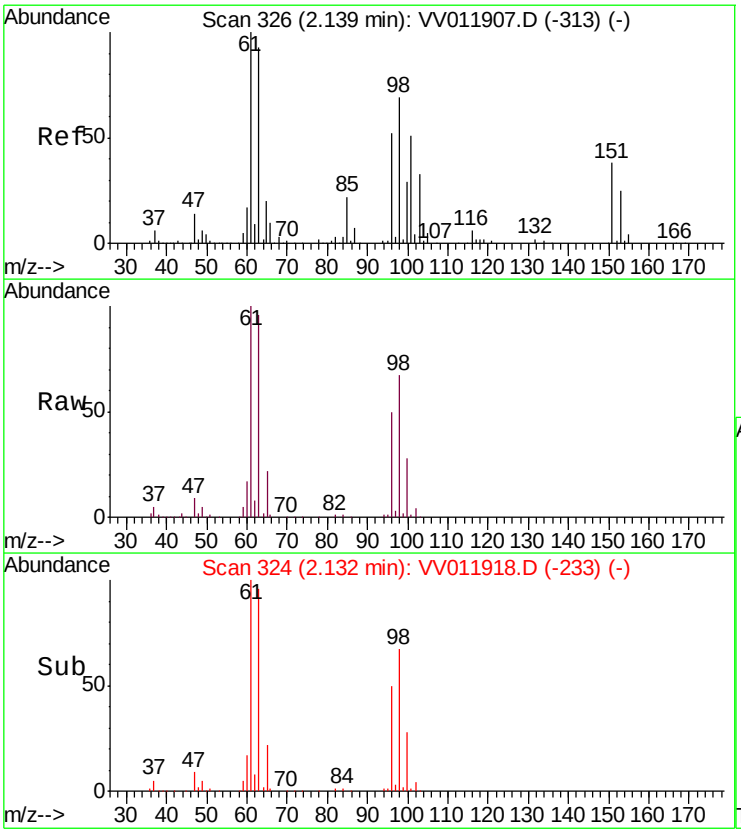
#8
Chloroethane
Concen: 11.543 ug/L
RT: 1.33 min Scan# 73
Delta R.T. -0.28 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 64 Resp: 99799

Ion	Ratio	Lower	Upper
64	100		
66	1.5	23.2	43.2#

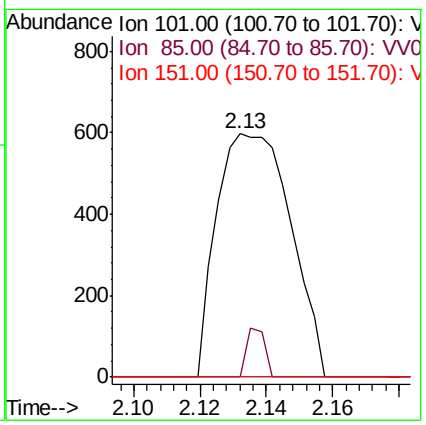


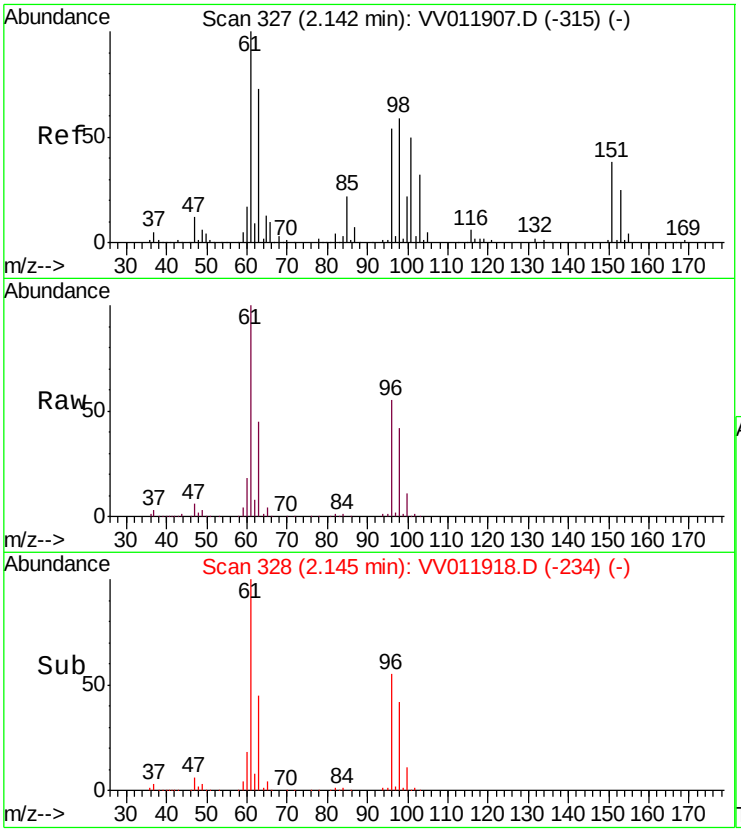


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.100 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.01 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion:101 Resp: 927

Ion	Ratio	Lower	Upper
101	100		
85	4.7	34.7	52.1#
151	0.0	61.5	92.3#



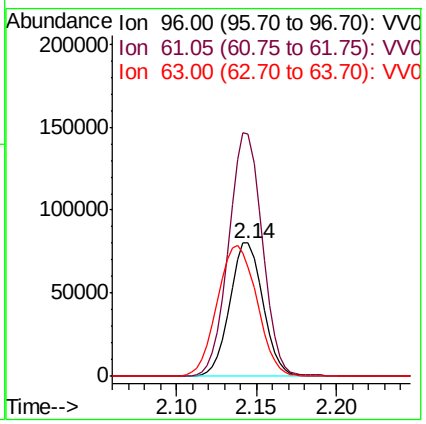


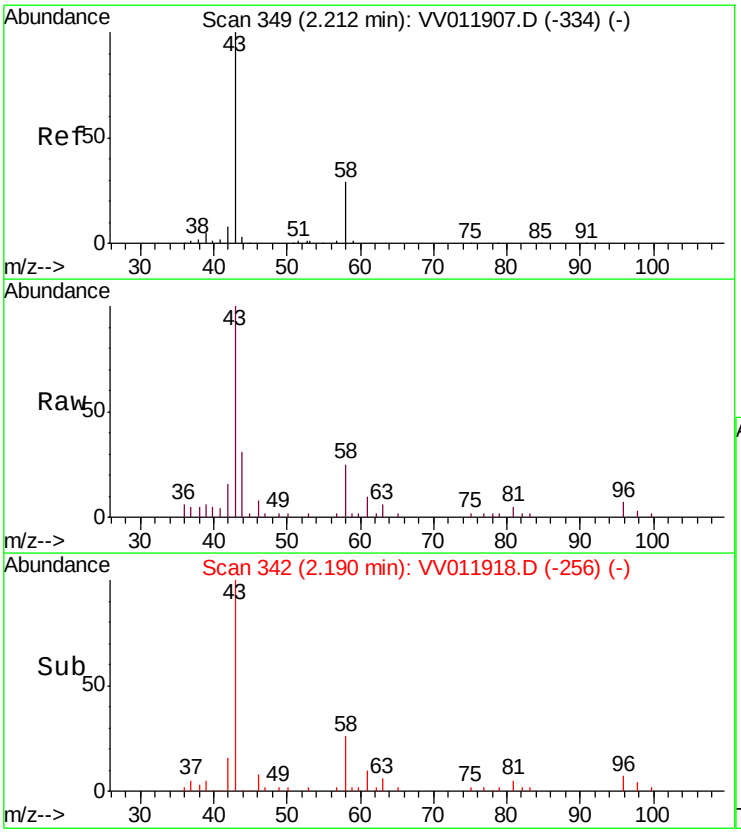
#12
1,1-Dichloroethene
Concen: 13.363 ug/L
RT: 2.14 min Scan# 328
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 96 Resp: 113408

Ion	Ratio	Lower	Upper
96	100		
61	181.5	128.9	239.3
63	81.7	85.5	158.9#

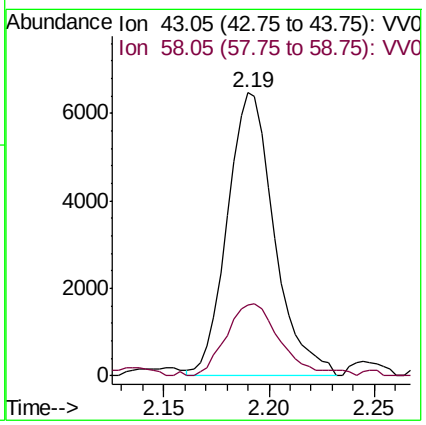


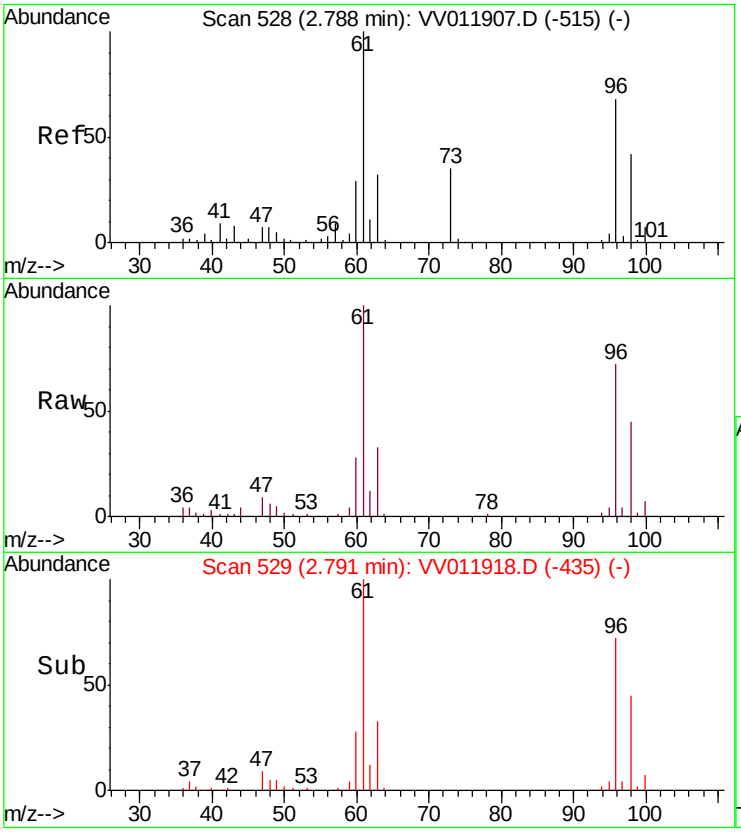


#13
Acetone
Concen: 6.701 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.02 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion: 43 Resp: 10044

Ion	Ratio	Lower	Upper
43	100		
58	29.3	0.0	55.6



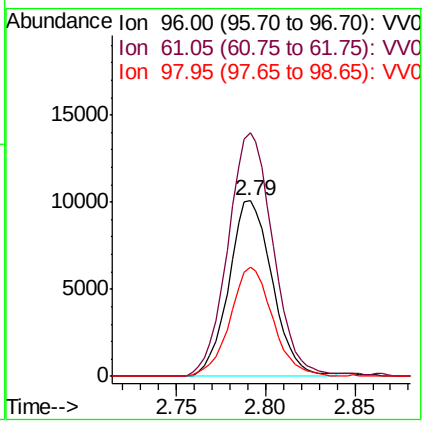


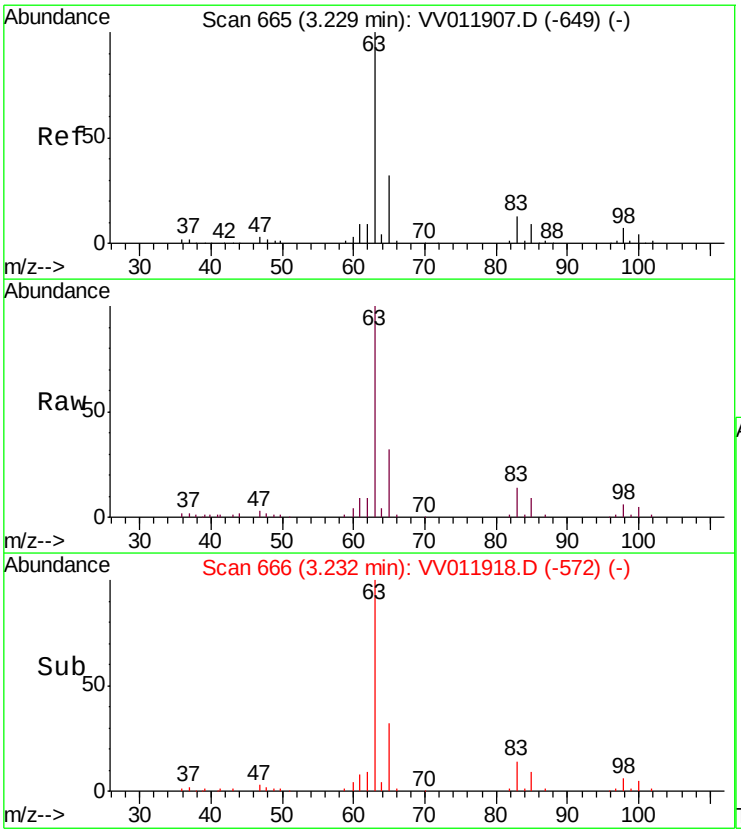
#18
trans-1,2-Dichloroethene
Concen: 1.434 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 96 Resp: 17108

Ion	Ratio	Lower	Upper
96	100		
61	138.7	102.2	189.8
98	62.6	44.4	82.5

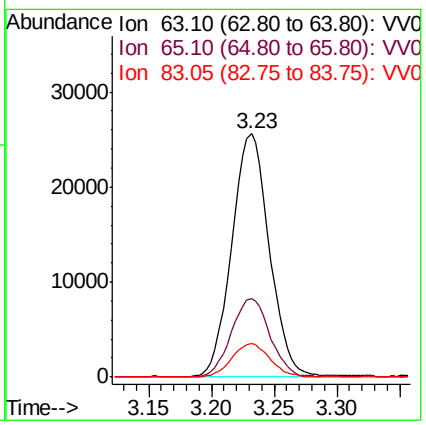


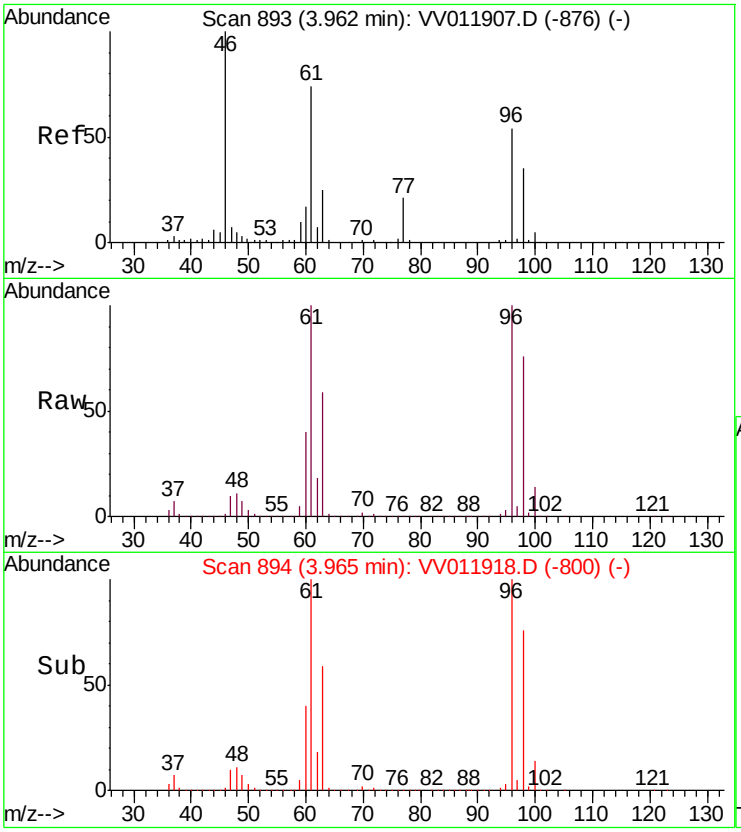


#19
1,1-Dichloroethane
Concen: 2.376 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion: 63 Resp: 53448

Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.7	42.3
83	13.7	9.4	17.6



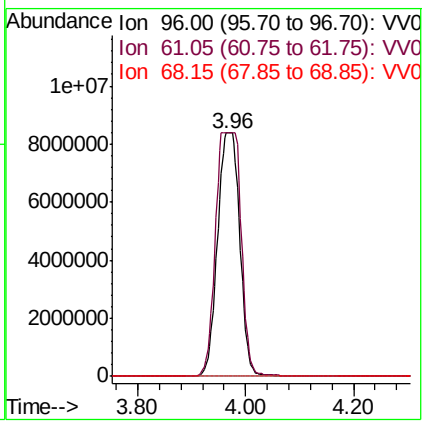


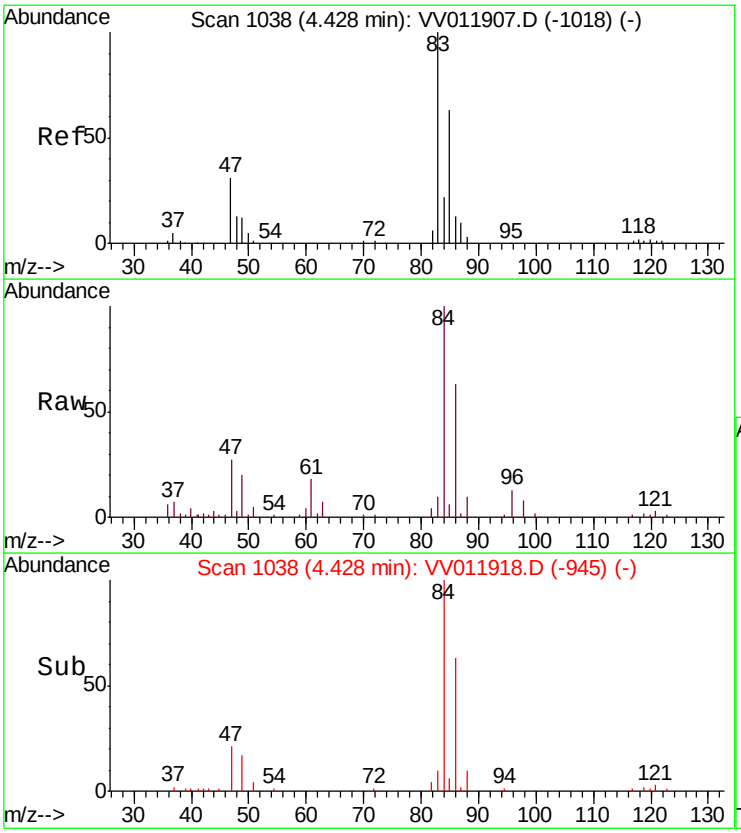
#22
cis-1,2-Dichloroethene
Concen: 1944.335 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 96 Resp:23883049

Ion	Ratio	Lower	Upper
96	100		
61	100.0	95.2	176.8
68	0.0	0.0	0.0

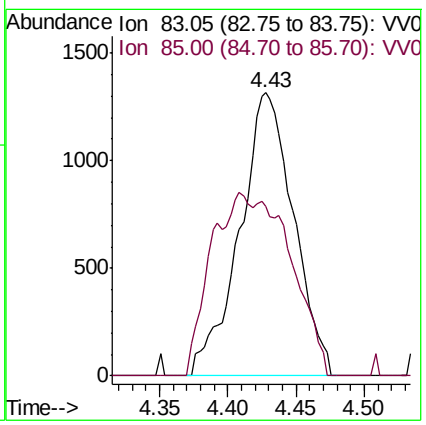


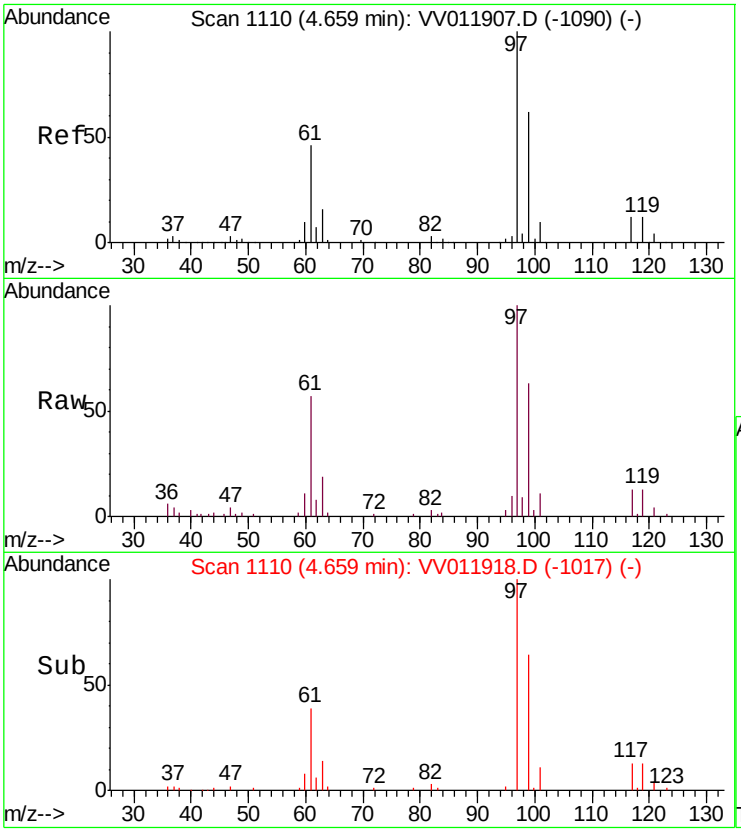


#25
Chloroform
Concen: 0.149 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion: 83 Resp: 3612

Ion	Ratio	Lower	Upper
83	100		
85	59.8	42.5	78.9



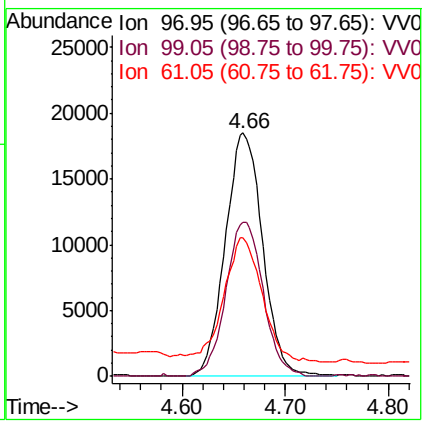


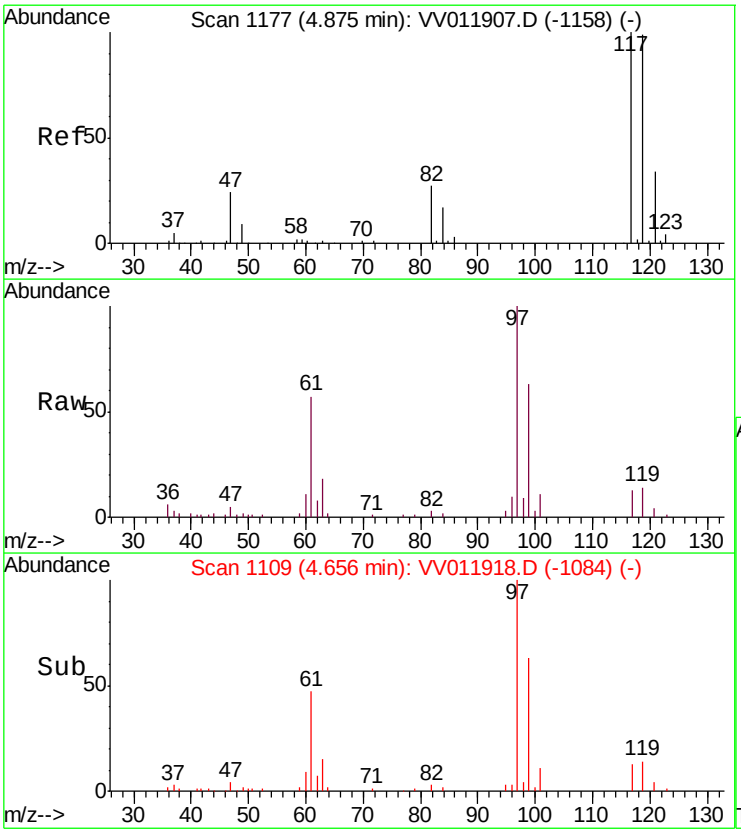
#29
1,1,1-Trichloroethane
Concen: 2.522 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 97 Resp: 46739

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	50.5	38.6	57.8

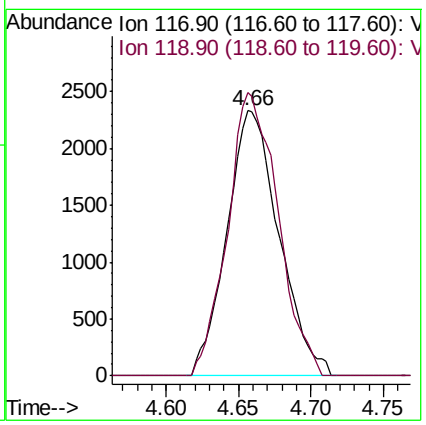


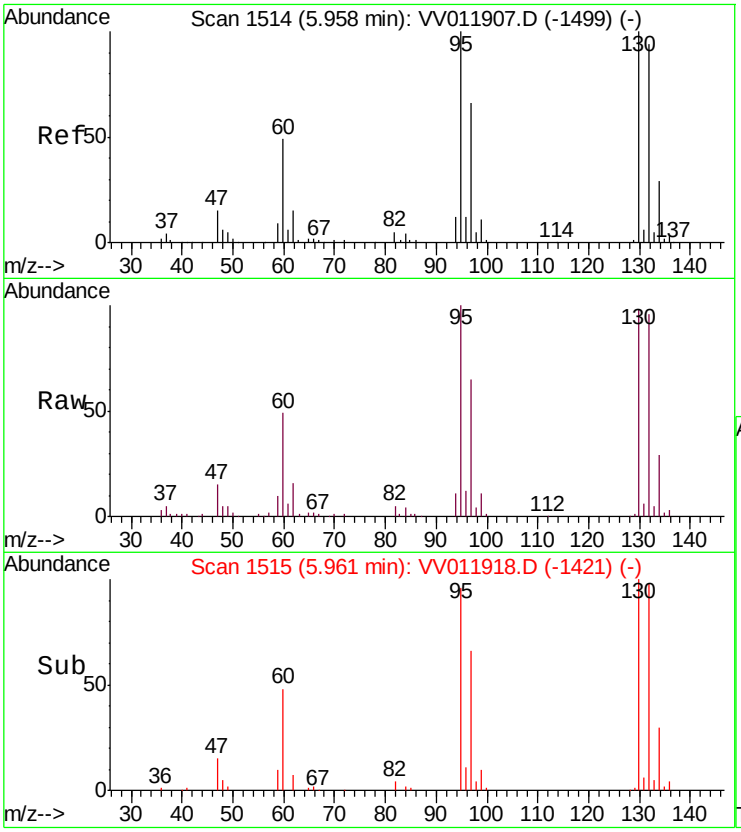


#31
Carbon tetrachloride
Concen: 0.360 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.22 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion:117 Resp: 5830

Ion	Ratio	Lower	Upper
117	100		
119	103.2	77.4	116.2



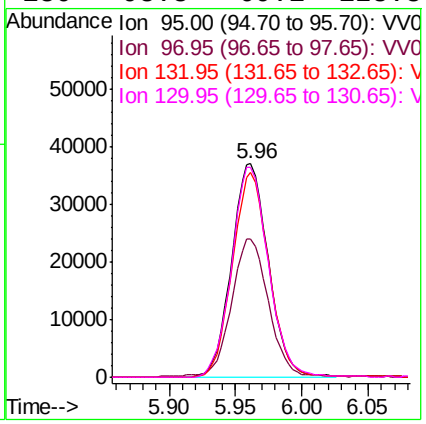


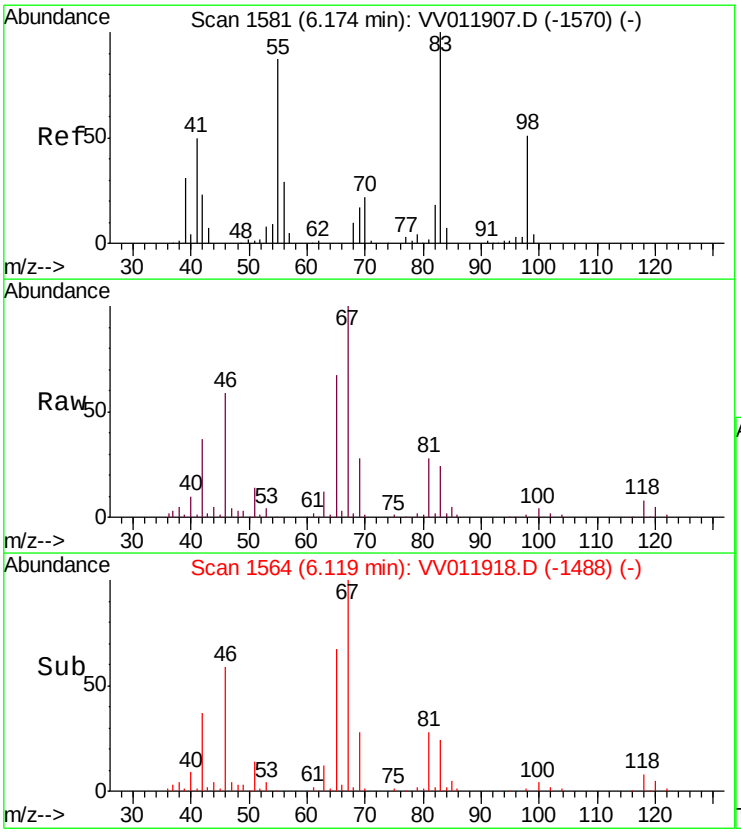
#34
Trichloroethene
Concen: 5.460 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument : MSVOA_V
ClientSampleId : A52K8

Tgt Ion: 95 Resp: 71591

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.0	81.6
132	96.0	67.0	124.4
130	98.3	69.1	128.3

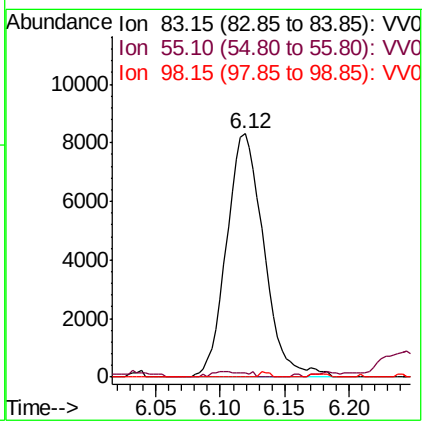


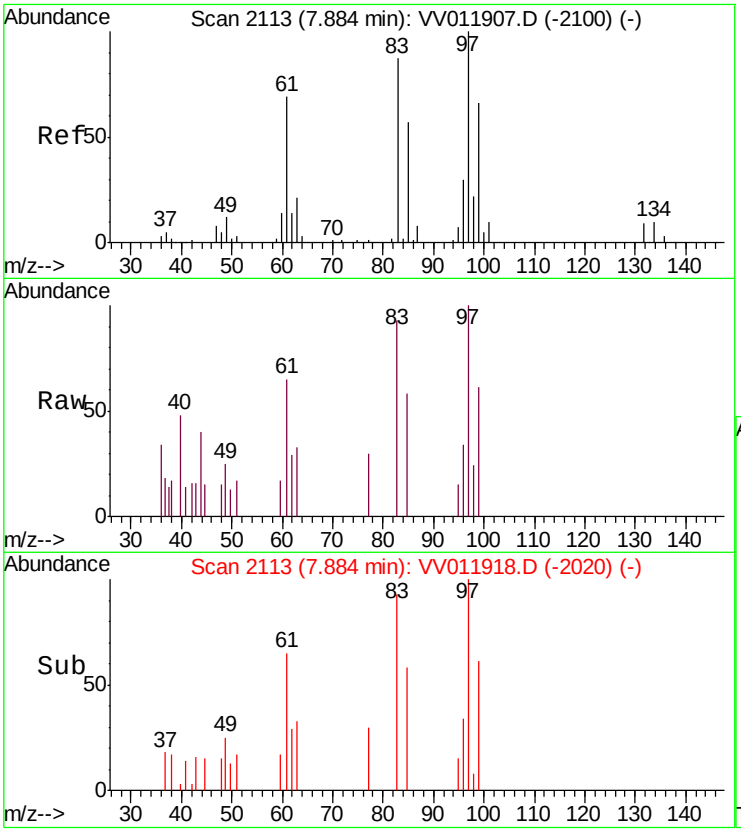


#35
Methylcyclohexane
Concen: 0.841 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion: 83 Resp: 16729

Ion	Ratio	Lower	Upper
83	100		
55	1.6	66.7	100.1#
98	0.0	39.0	58.4#



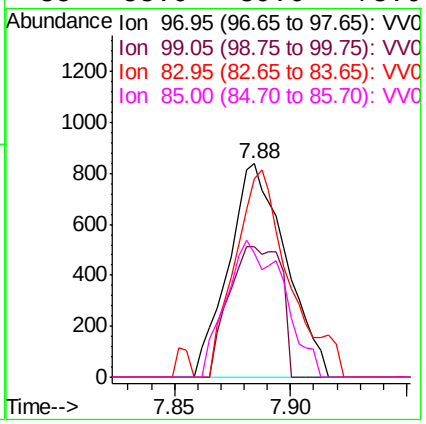


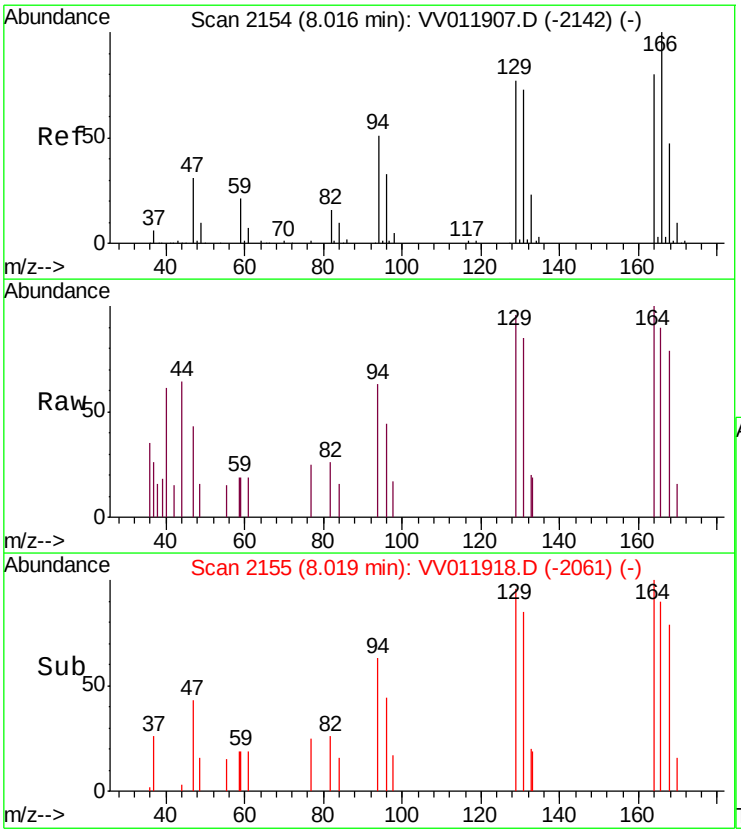
#45
1,1,2-Trichloroethane
Concen: 0.185 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 97 Resp: 1440

Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.5	80.7
83	92.8	60.5	112.3
85	58.0	39.6	73.6

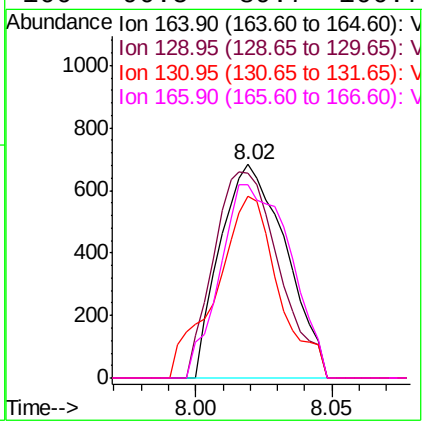


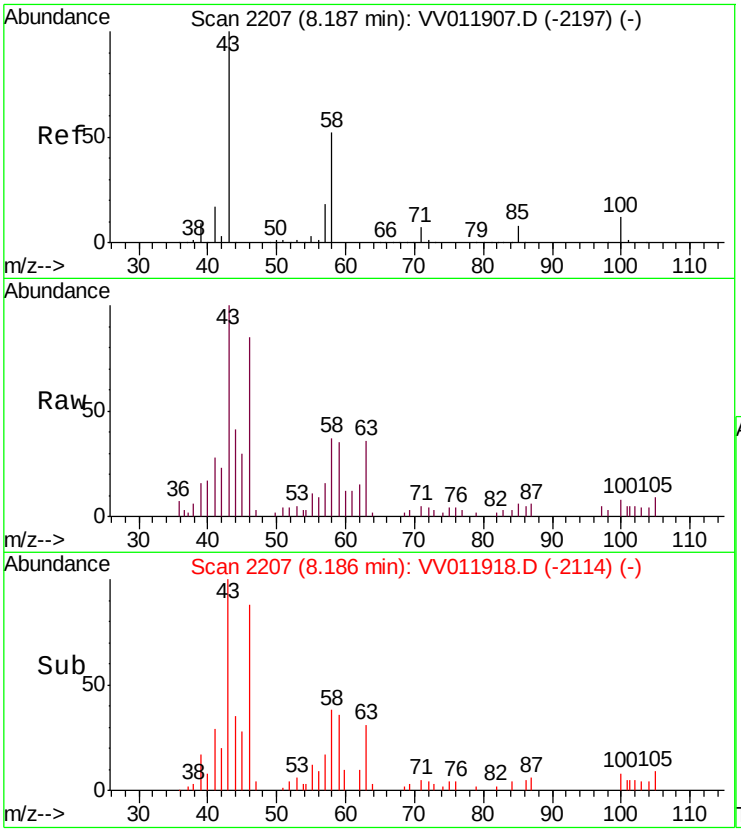


#47
Tetrachloroethene
Concen: 0.119 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion:164 Resp: 1145

Ion	Ratio	Lower	Upper
164	100		
129	96.2	68.6	127.4
131	84.9	64.6	120.0
166	90.5	89.7	166.7



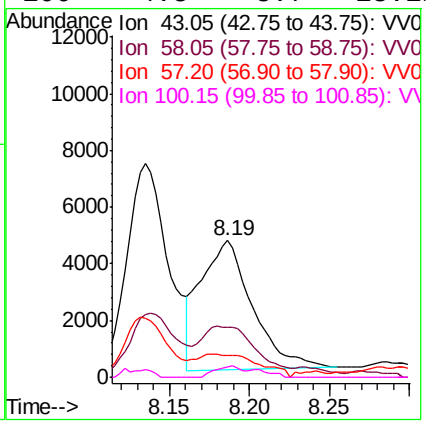


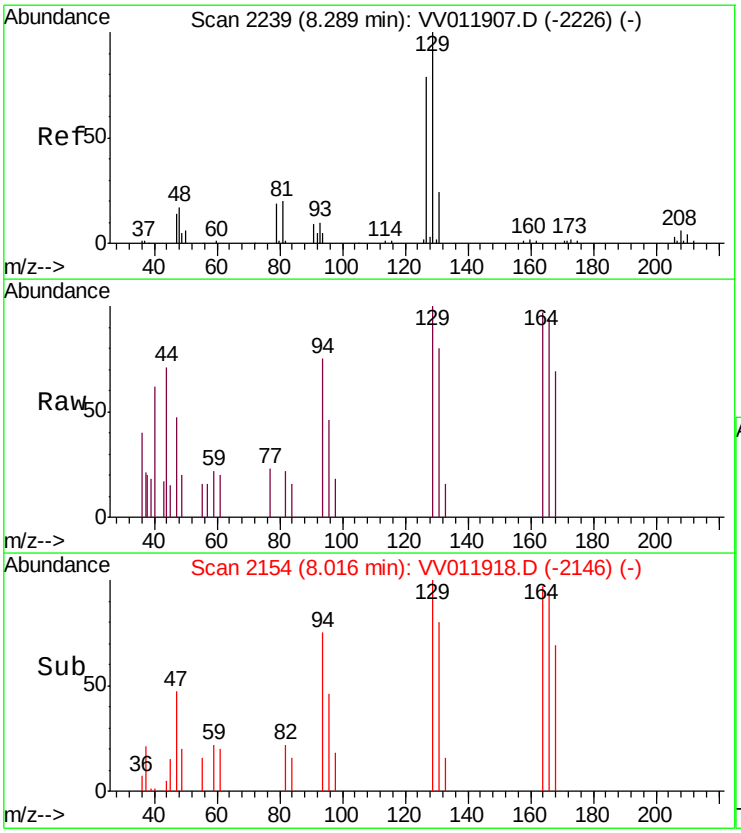
#48
2-Hexanone
Concen: 2.068 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument : MSVOA_V
ClientSampleId : A52K8

Tgt Ion: 43 Resp: 10245

Ion	Ratio	Lower	Upper
43	100		
58	33.1	41.1	61.7#
57	20.6	14.3	21.5
100	4.8	8.7	13.1#

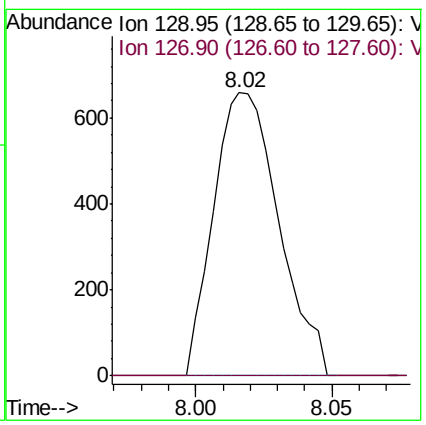


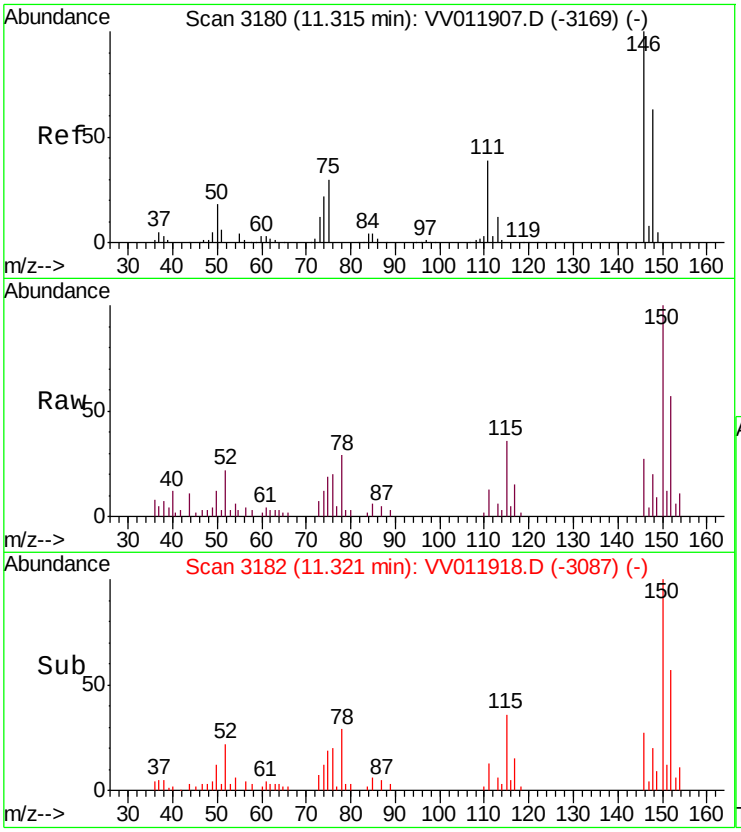


#49
Dibromochloromethane
Concen: 0.130 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion:129 Resp: 1095

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.9#



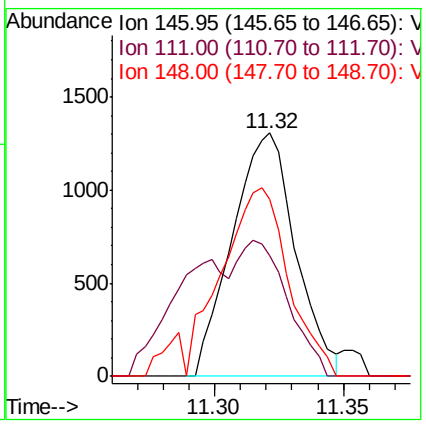


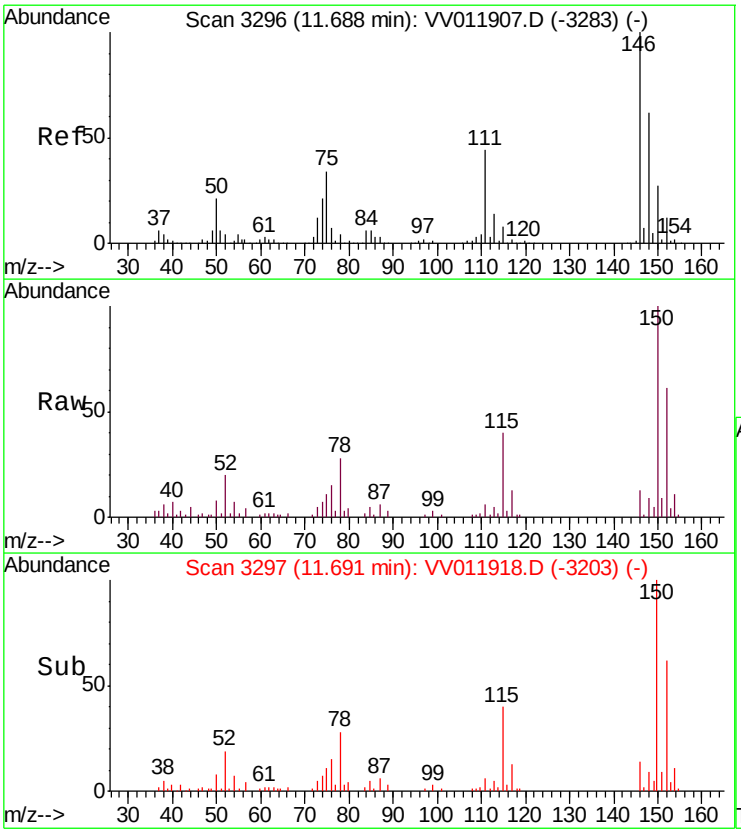
#63
1,4-Dichlorobenzene
Concen: 0.101 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument : MSVOA_V
ClientSampleId : A52K8

Tgt Ion:146 Resp: 2233

Ion	Ratio	Lower	Upper
146	100		
111	49.3	28.0	52.0
148	72.9	44.5	82.7

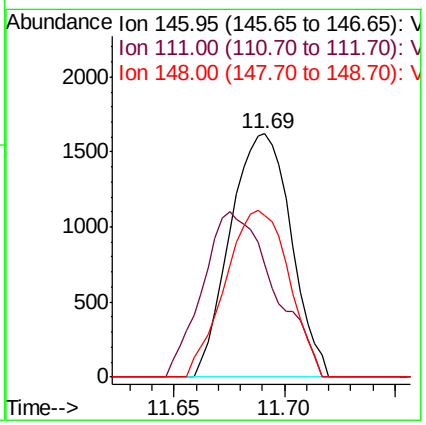


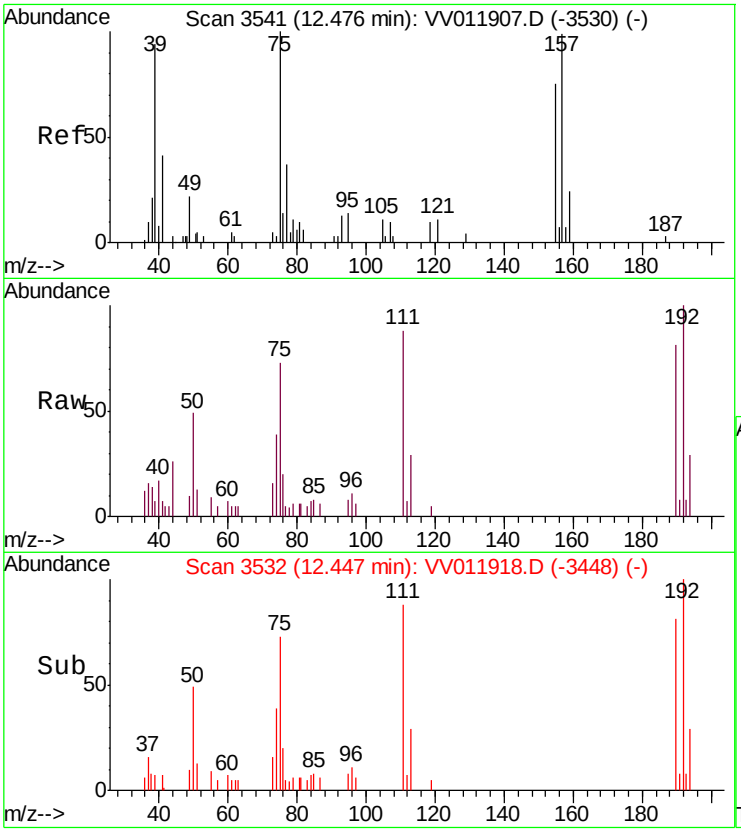


#65
1,2-Dichlorobenzene
Concen: 0.154 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion:146 Resp: 3111

Ion	Ratio	Lower	Upper
146	100		
111	46.7	34.0	51.0
148	66.3	51.8	77.6





#66
1,2-Dibromo-3-chloropropane
Concen: 2.714 ug/L
RT: 12.45 min Scan# 3532
Delta R.T. -0.03 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
A52K8

Tgt Ion: 75 Resp: 3106

Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.4	89.0#
157	0.0	85.5	128.3#