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

Quantitation Report (Not Reviewed)

Data File : VV011921.D
Acq On : 17 Jul 2019 19:26
Operator : SY/MD
Sample : K3823-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52L8

Quant Time: Jul 18 02:22:57 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	155624	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.89	117	152813	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67208	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.32	65	57288	5.01	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 100.20%				
7) Chloroethane-d5	1.58	69	46965	4.96	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 99.20%				
11) 1,1-Dichloroethene-d2	2.13	63	87233	4.66	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 93.20%				
20) 2-Butanone-d5	3.95	46	163358	56.59	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 113.18%				
24) Chloroform-d	4.40	84	109553	4.78	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.60%				
26) 1,2-Dichloroethane-d4	5.08	65	60560	5.15	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.00%				
32) Benzene-d6	5.10	84	222421	5.00	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.00%				
36) 1,2-Dichloropropane-d6	6.12	67	69236	5.08	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 101.60%				
41) Toluene-d8	7.36	98	188763	4.65	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.00%				
43) trans-1,3-Dichloropropene-	7.67	79	22784	4.52	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 90.40%				
46) 2-Hexanone-d5	8.14	63	94647	46.64	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 93.28%				
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40001	4.67	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 93.40%				
64) 1,2-Dichlorobenzene-d4	11.67	152	71067	5.29	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.80%				
Target Compounds							Qvalue
5) Vinyl chloride	1.33	62	194829	13.113	ug/L		99
8) Chloroethane	1.33	64	62308	7.374	ug/L	#	45
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	789	0.087	ug/L	#	23
12) 1,1-Dichloroethene	2.14	96	32321	3.896	ug/L		93
13) Acetone	2.19	43	5368	3.664	ug/L		89
18) trans-1,2-Dichloroethene	2.79	96	5360	0.460	ug/L		92
19) 1,1-Dichloroethane	3.23	63	68104	3.097	ug/L		97
22) cis-1,2-Dichloroethene	3.96	96	8109806	675.498	ug/L		97
25) Chloroform	4.43	83	3394	0.143	ug/L		92
29) 1,1,1-Trichloroethane	4.66	97	73002	3.887	ug/L		99
31) Carbon tetrachloride	4.66	117	8981	0.548	ug/L		97
34) Trichloroethene	5.97	95	3932	0.296	ug/L		96
35) Methylcyclohexane	6.12	83	16848	0.836	ug/L	#	16
37) 1,2-Dichloropropane	6.12	63	8329	0.714	ug/L	#	97
44) trans-1,3-Dichloropropene	7.66	75	1375	0.108	ug/L	#	51
48) 2-Hexanone	8.18	43	10092	2.010	ug/L	#	78
58) 1,1,2,2-Tetrachloroethane	10.26	83	610	0.081	ug/L	#	1

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

Quantitation Report (Not Reviewed)

Data File : VV011921.D
Acq On : 17 Jul 2019 19:26
Operator : SY/MD
Sample : K3823-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52L8

Quant Time: Jul 18 02:22:57 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)
65) 1,2-Dichlorobenzene	11.69	146	2473	0.122 ug/L #	80
66) 1,2-Dibromo-3-chloropropan	12.44	75	1678	1.458 ug/L #	3
69) Naphthalene	13.56	128	2496	0.121 ug/L #	94

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

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

Quantitation Report (Not Reviewed)

Data File : VV011921.D
Acq On : 17 Jul 2019 19:26
Operator : SY/MD
Sample : K3823-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
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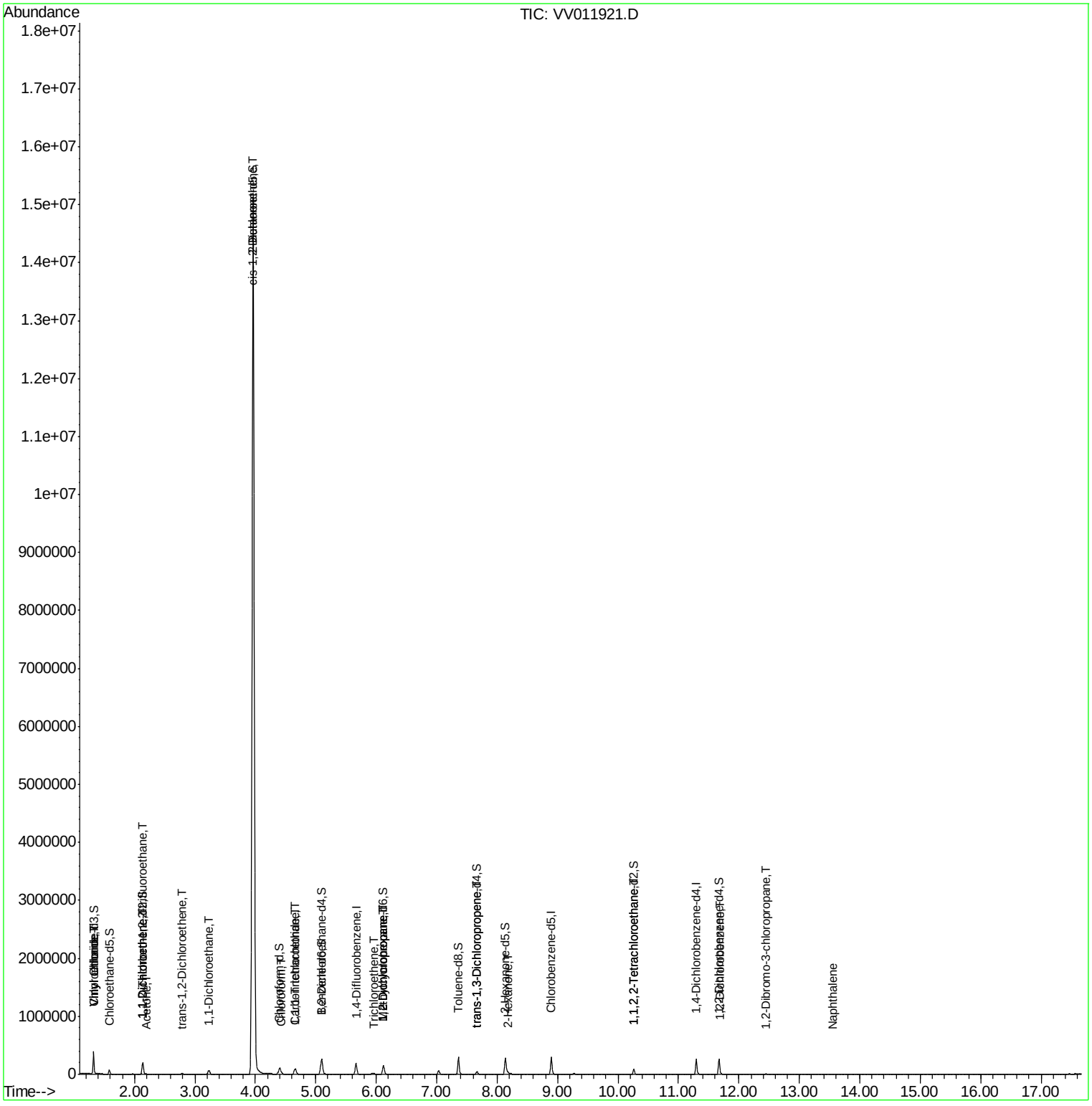
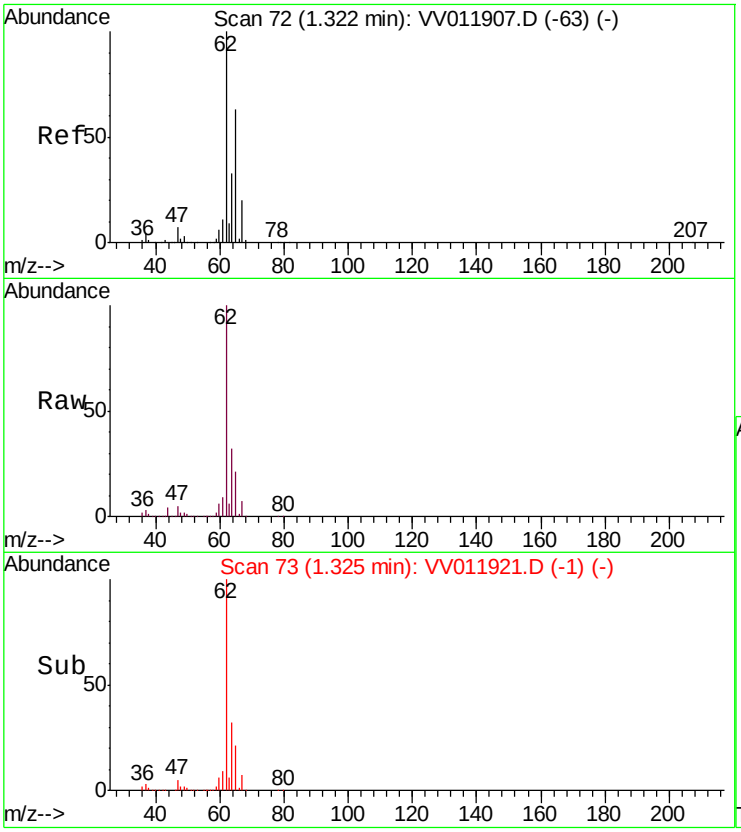
Quant Time: Jul 18 02:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration



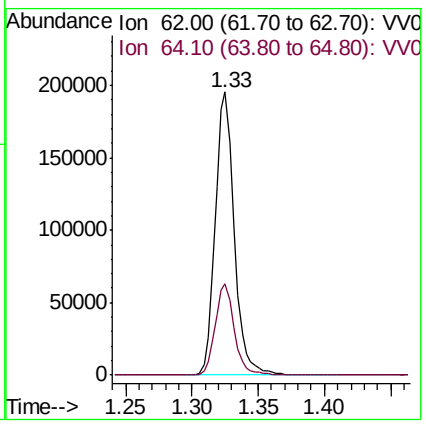


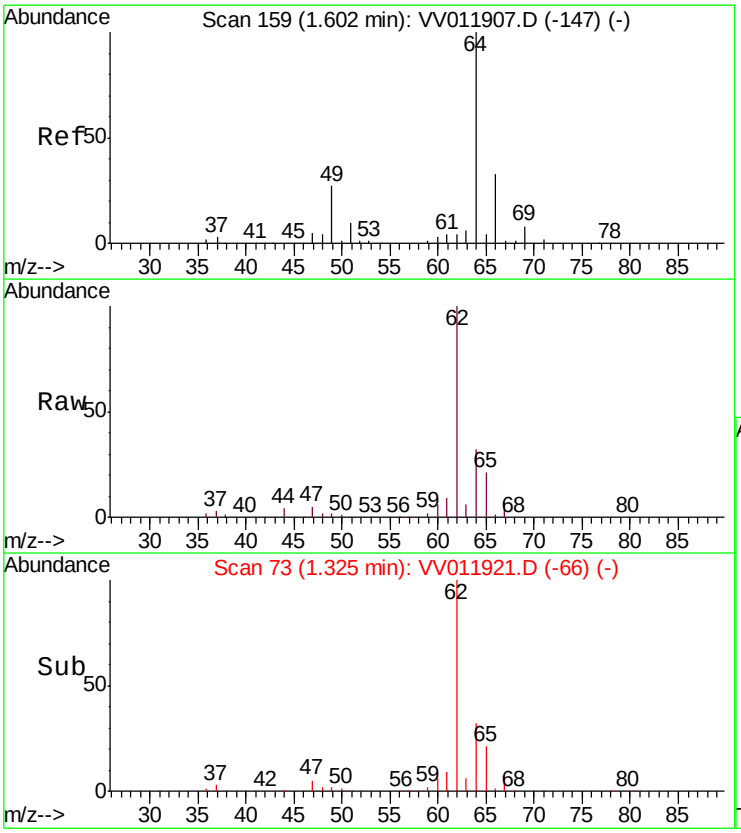
#5
Vinyl chloride
Concen: 13.113 ug/L
RT: 1.33 min Scan# 73
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
A52L8

Tgt Ion: 62 Resp: 194829

Ion	Ratio	Lower	Upper
62	100		
64	32.1	22.9	42.5

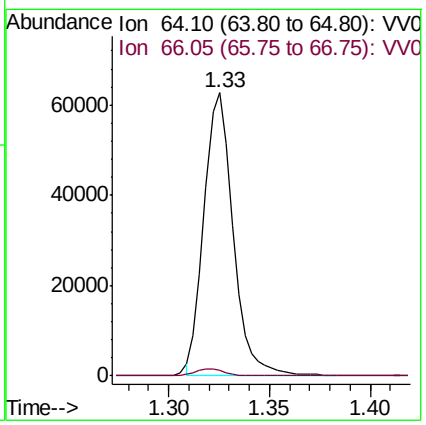


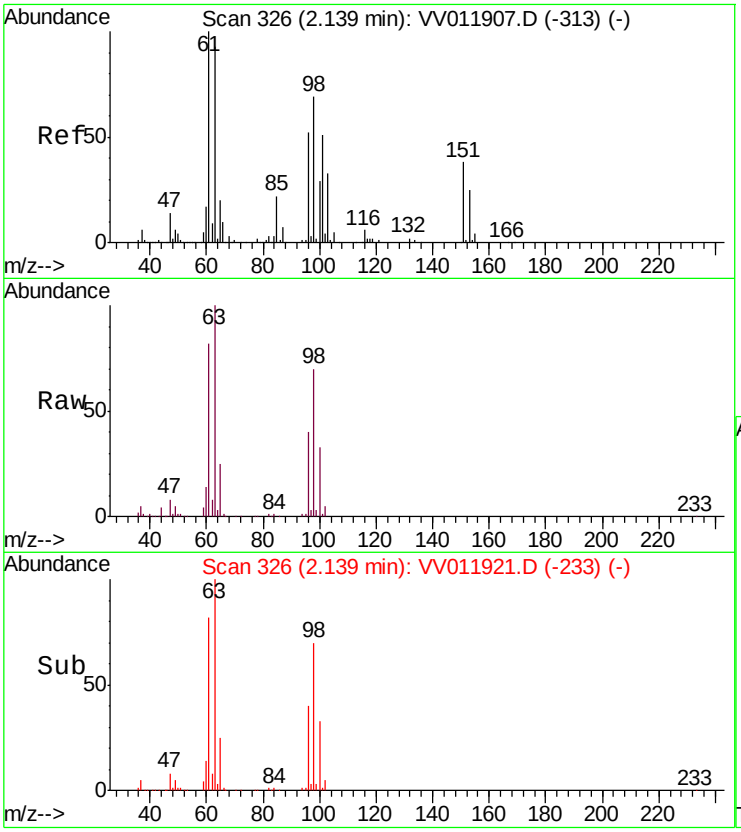


#8
Chloroethane
Concen: 7.374 ug/L
RT: 1.33 min Scan# 73
Delta R.T. -0.28 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 64 Resp: 62308

Ion	Ratio	Lower	Upper
64	100		
66	1.8	23.2	43.2#



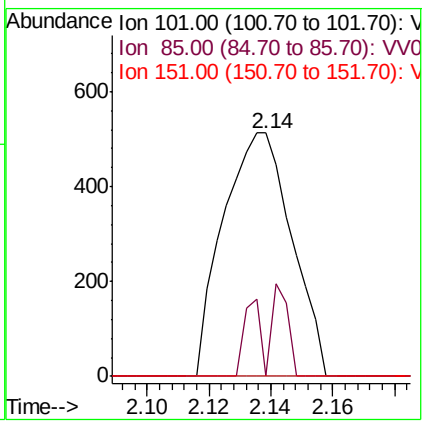


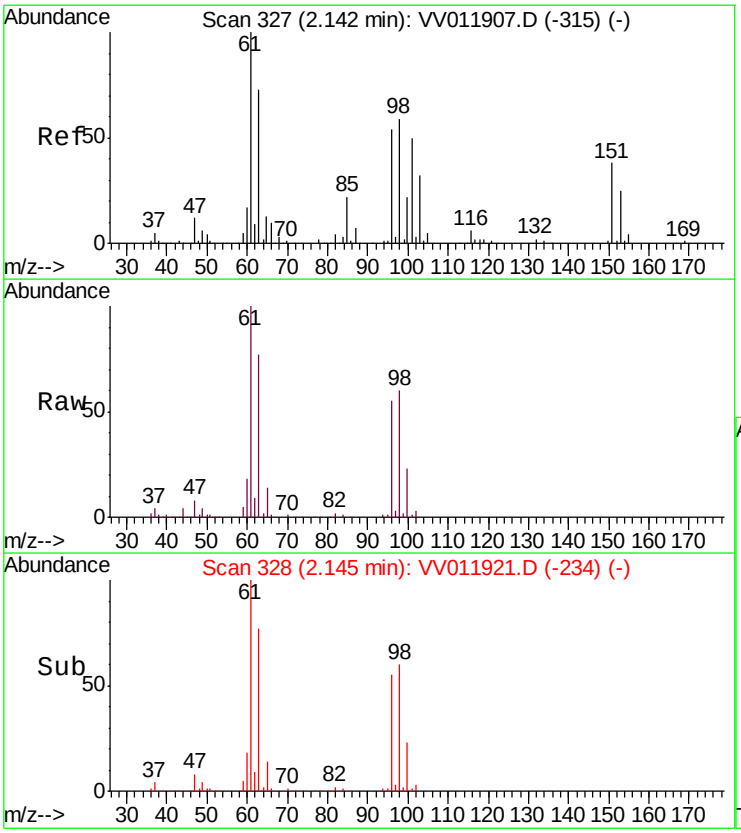
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.087 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
A52L8

Tgt Ion:101 Resp: 789

Ion	Ratio	Lower	Upper
101	100		
85	7.6	34.7	52.1#
151	0.0	61.5	92.3#

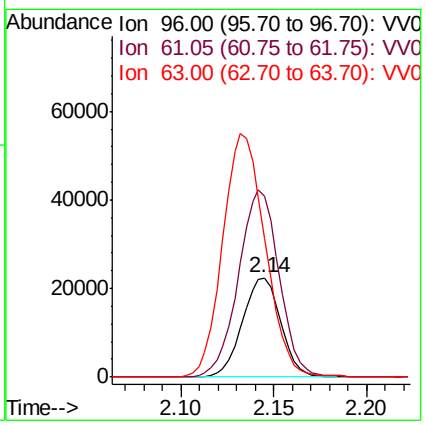


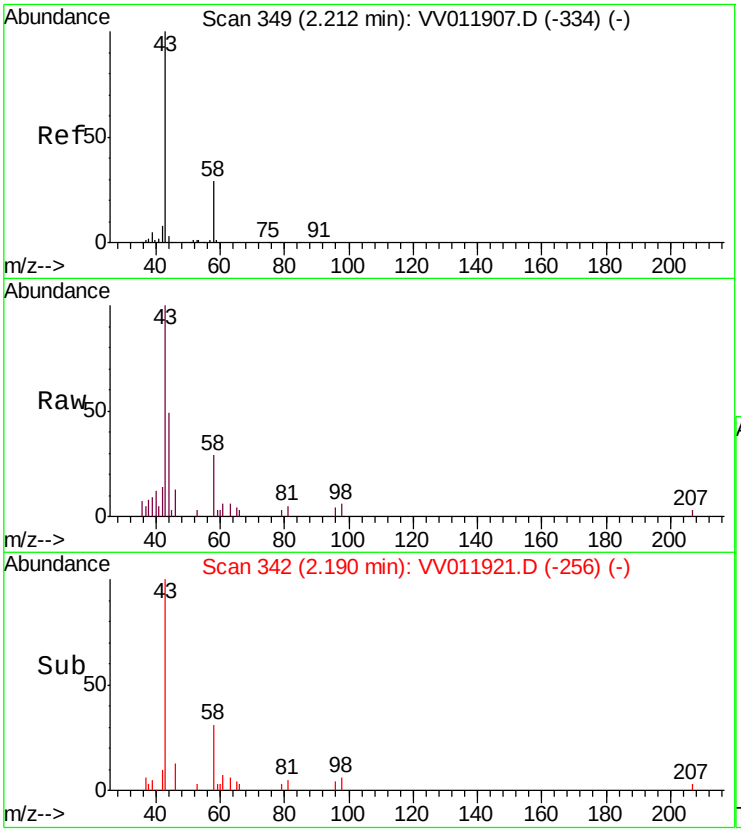


#12
1,1-Dichloroethene
Concen: 3.896 ug/L
RT: 2.14 min Scan# 328
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 96 Resp: 32321

Ion	Ratio	Lower	Upper
96	100		
61	181.8	128.9	239.3
63	139.3	85.5	158.9



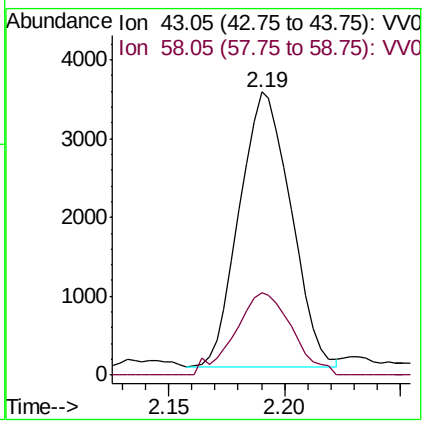


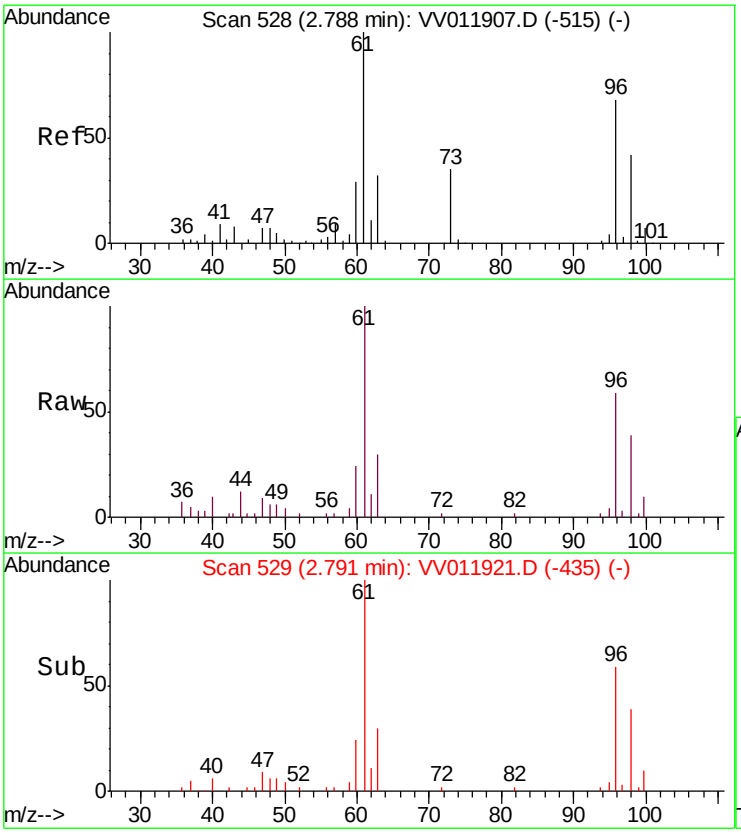
#13
Acetone
Concen: 3.664 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.02 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
A52L8

Tgt Ion: 43 Resp: 5368

Ion	Ratio	Lower	Upper
43	100		
58	33.3	0.0	55.6

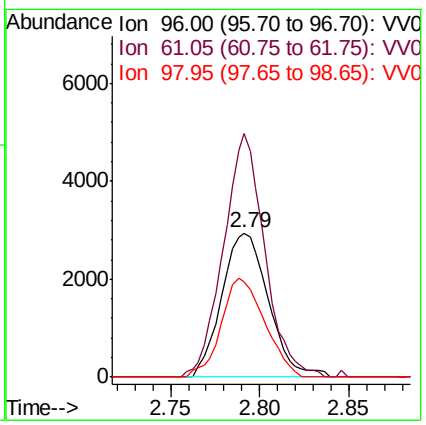


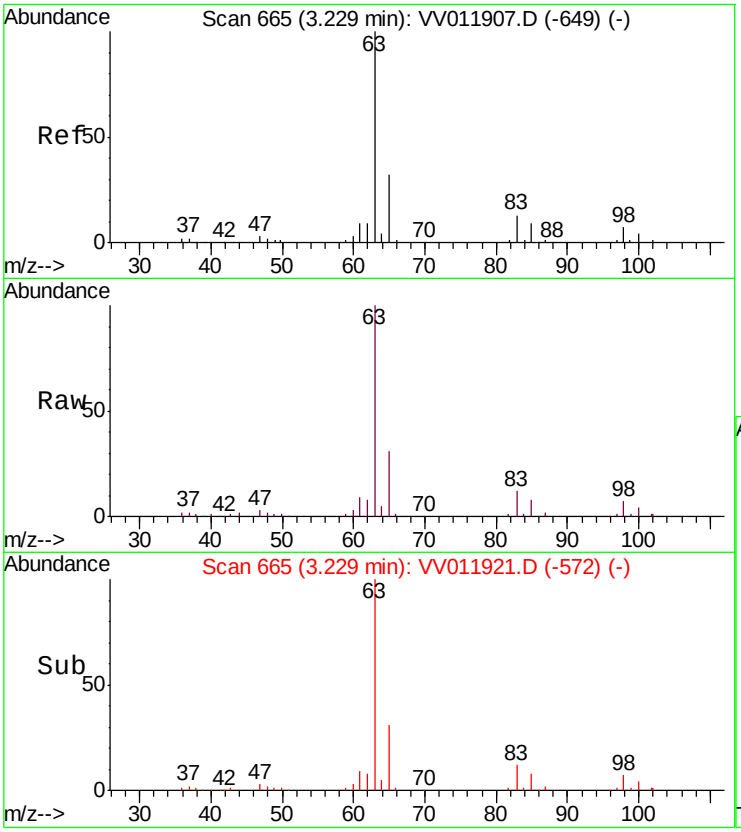


#18
trans-1,2-Dichloroethene
Concen: 0.460 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 96 Resp: 5360

Ion	Ratio	Lower	Upper
96	100		
61	160.2	102.2	189.8
98	62.8	44.4	82.5



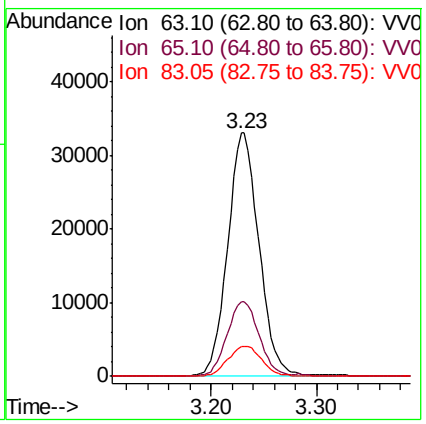


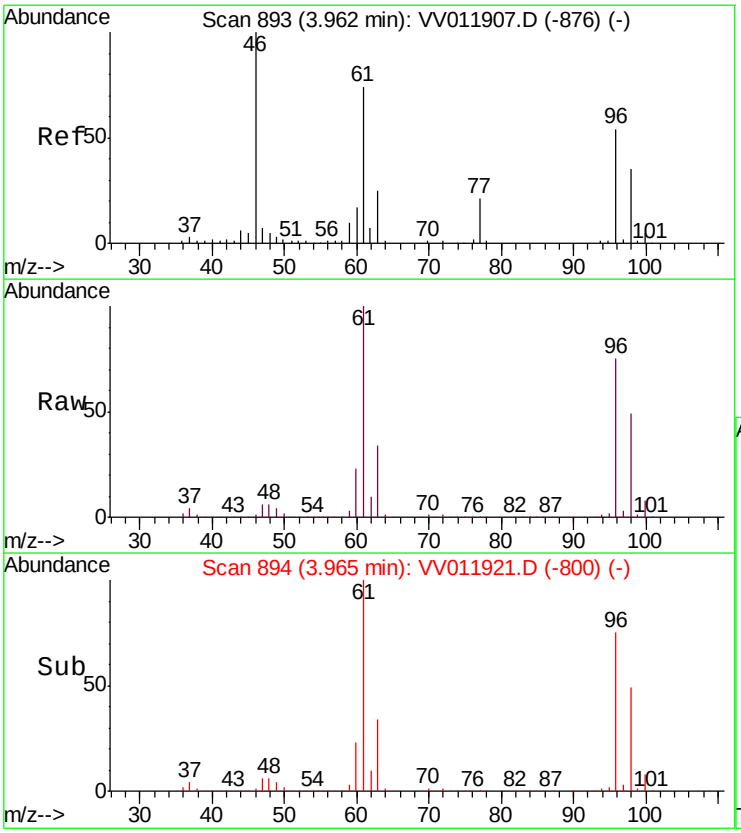
#19
1,1-Dichloroethane
Concen: 3.097 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument : MSVOA_V
ClientSampleId : A52L8

Tgt Ion: 63 Resp: 68104

Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.7	42.3
83	12.1	9.4	17.6

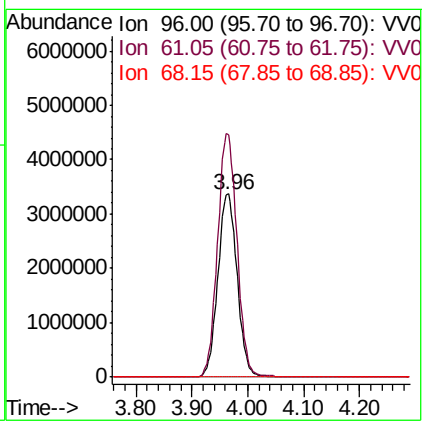


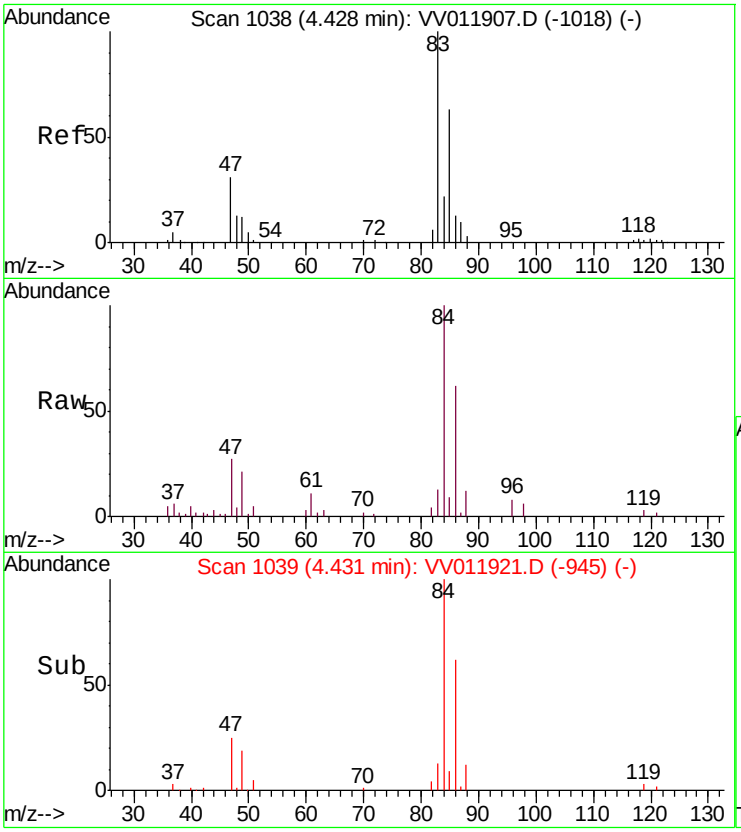


#22
cis-1,2-Dichloroethene
Concen: 675.498 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 96 Resp: 8109806

Ion	Ratio	Lower	Upper
96	100		
61	132.5	95.2	176.8
68	0.0	0.0	0.0



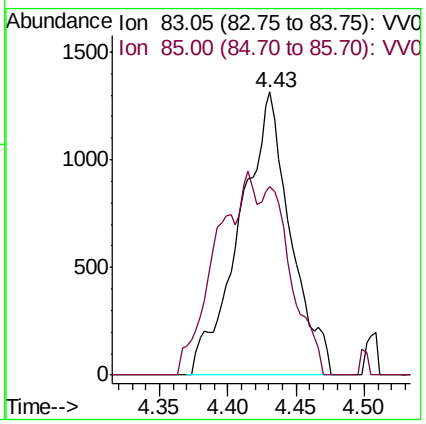


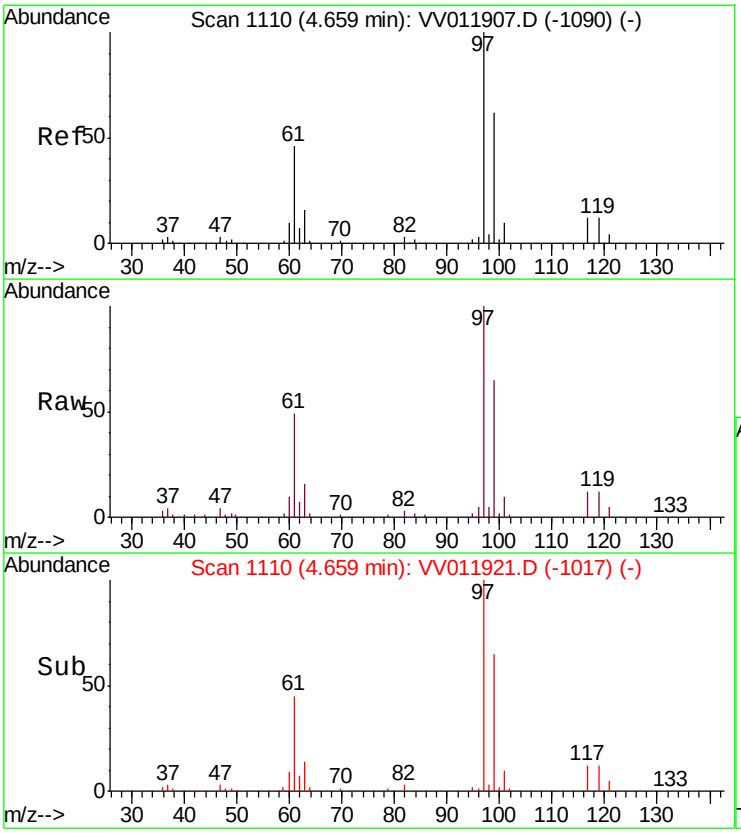
#25
Chloroform
Concen: 0.143 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
A52L8

Tgt Ion: 83 Resp: 3394

Ion	Ratio	Lower	Upper
83	100		
85	66.5	42.5	78.9

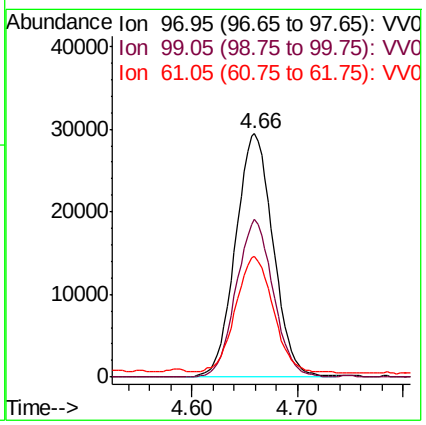


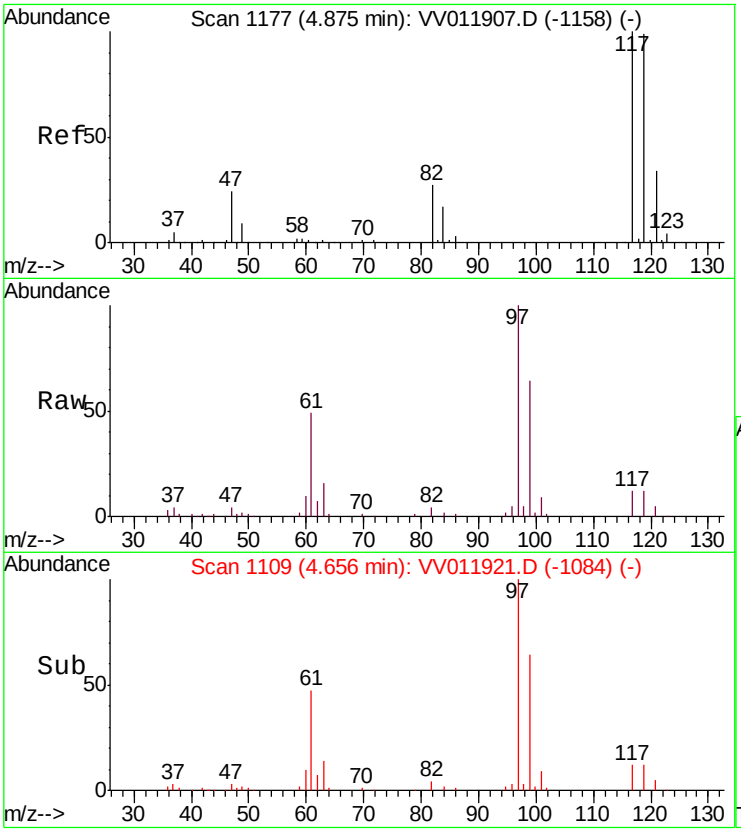


#29
1,1,1-Trichloroethane
Concen: 3.887 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 97 Resp: 73002

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	47.1	38.6	57.8



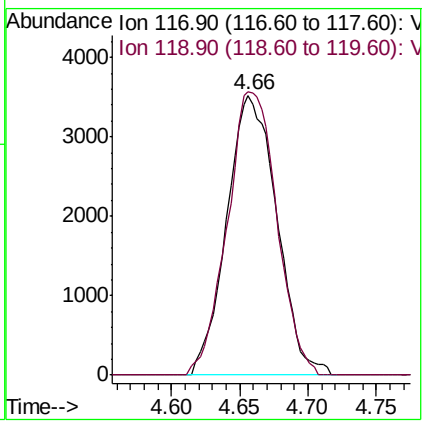


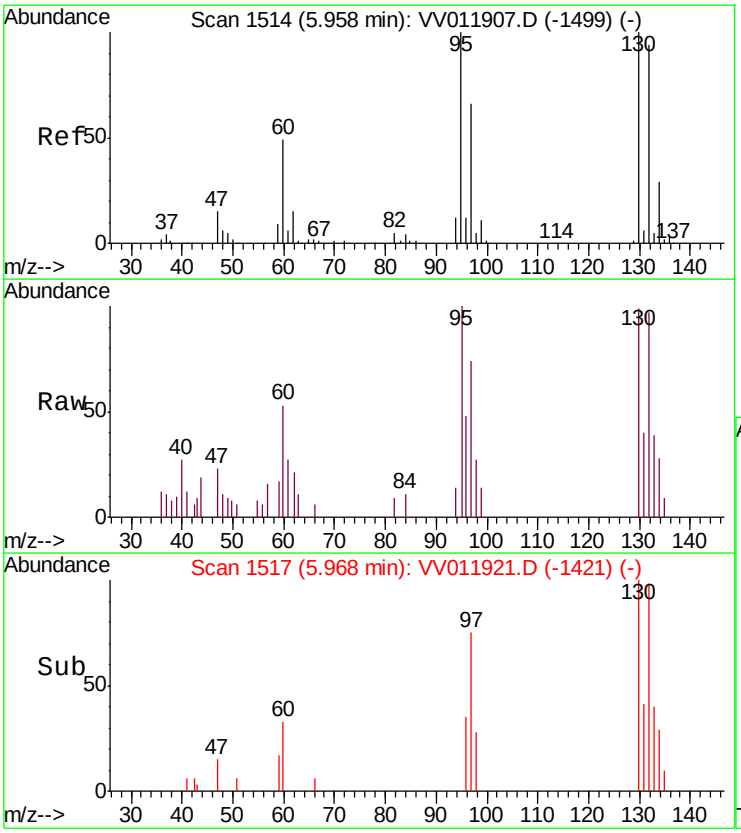
#31
Carbon tetrachloride
Concen: 0.548 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.22 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
A52L8

Tgt Ion:117 Resp: 8981

Ion	Ratio	Lower	Upper
117	100		
119	100.1	77.4	116.2

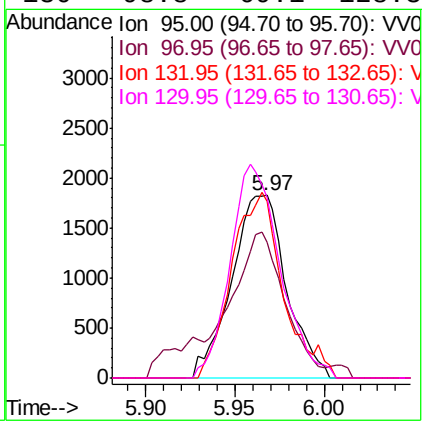


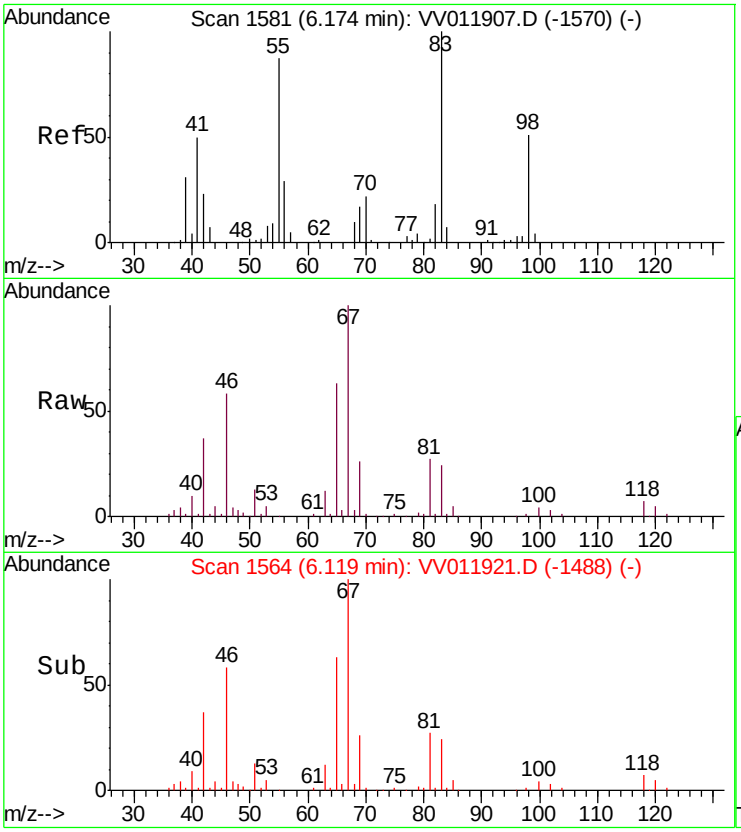


#34
Trichloroethene
Concen: 0.296 ug/L
RT: 5.97 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 95 Resp: 3932

Ion	Ratio	Lower	Upper
95	100		
97	74.0	44.0	81.6
132	96.8	67.0	124.4
130	98.8	69.1	128.3



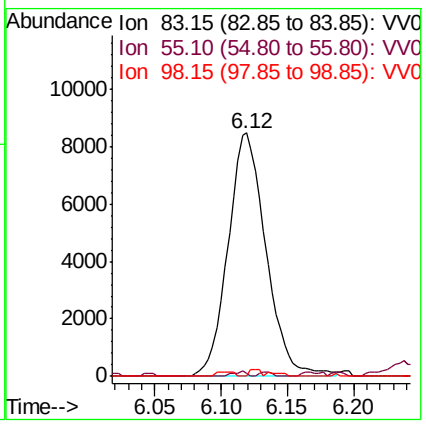


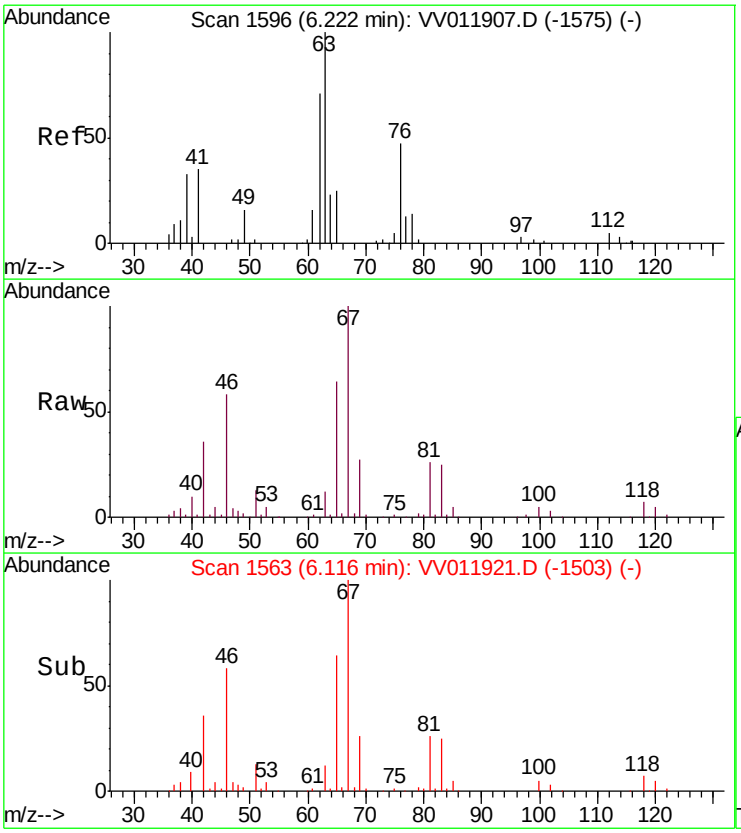
#35
Methylcyclohexane
Concen: 0.836 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument : MSVOA_V
ClientSampleId : A52L8

Tgt Ion: 83 Resp: 16848

Ion	Ratio	Lower	Upper
83	100		
55	0.7	66.7	100.1#
98	0.8	39.0	58.4#

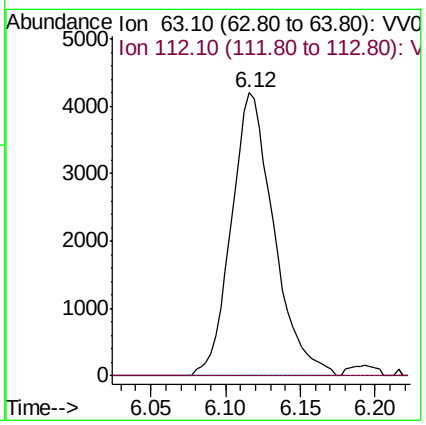


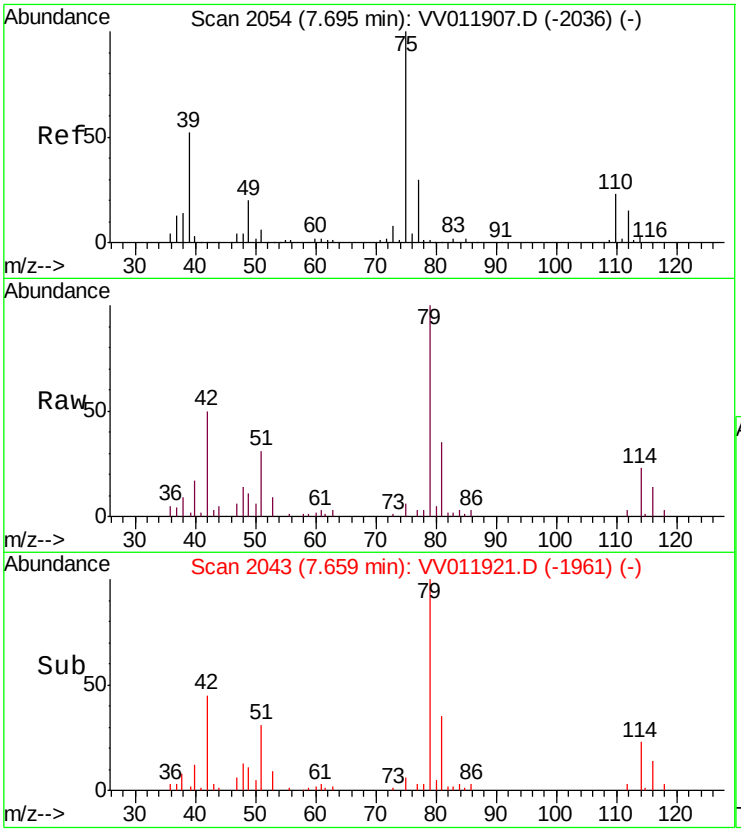


#37
1,2-Dichloropropane
Concen: 0.714 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 63 Resp: 8329

Ion	Ratio	Lower	Upper
63	100		
112	3.3	3.4	5.2#



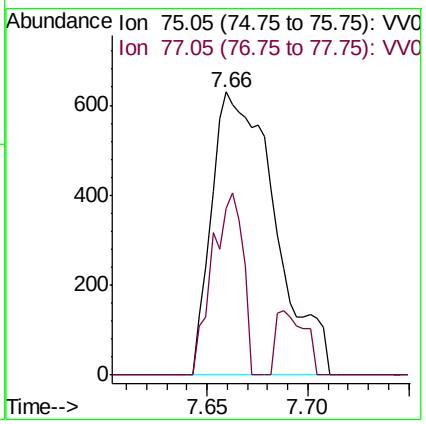


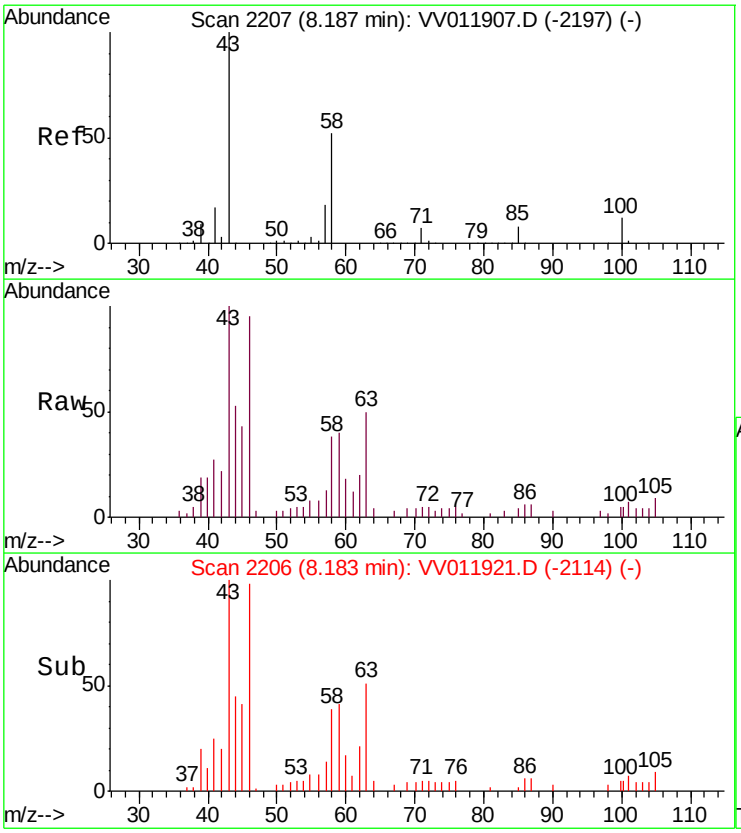
#44
trans-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.04 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument : MSVOA_V
ClientSampleId : A52L8

Tgt Ion: 75 Resp: 1375

Ion	Ratio	Lower	Upper
75	100		
77	58.8	22.3	41.3#

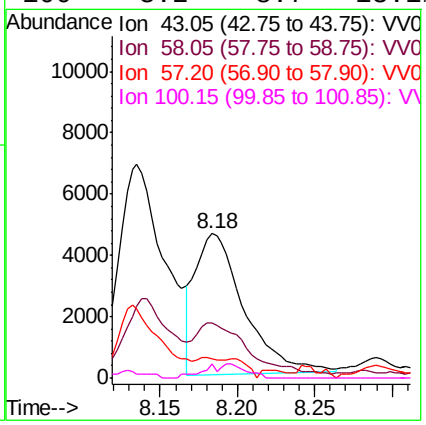


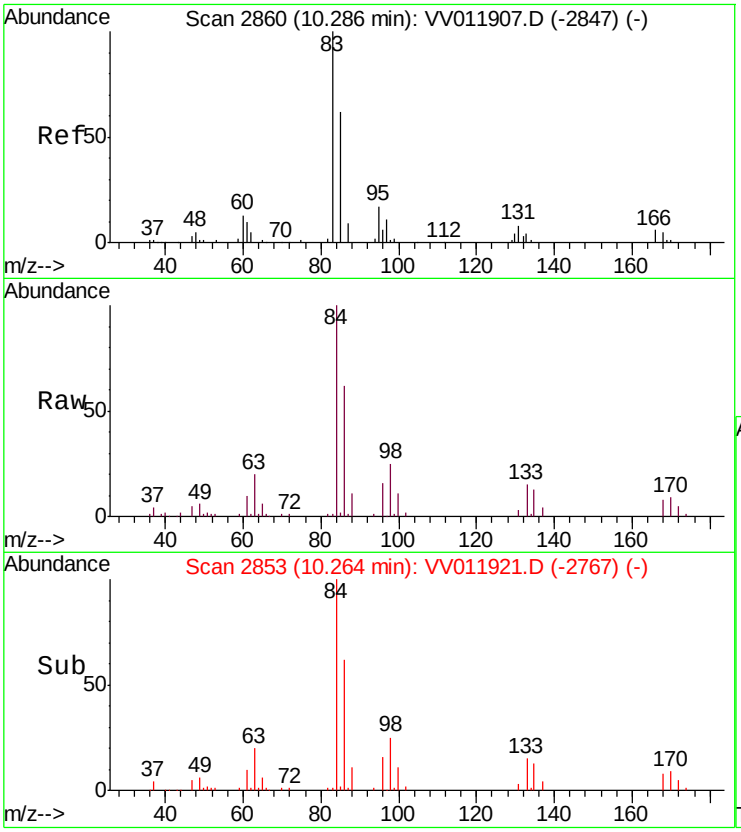


#48
2-Hexanone
Concen: 2.010 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion: 43 Resp: 10092

Ion	Ratio	Lower	Upper
43	100		
58	40.8	41.1	61.7#
57	0.0	14.3	21.5#
100	3.2	8.7	13.1#



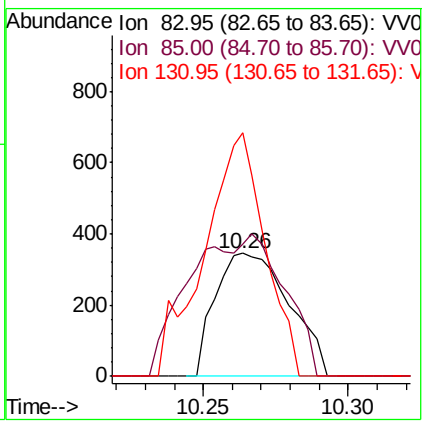


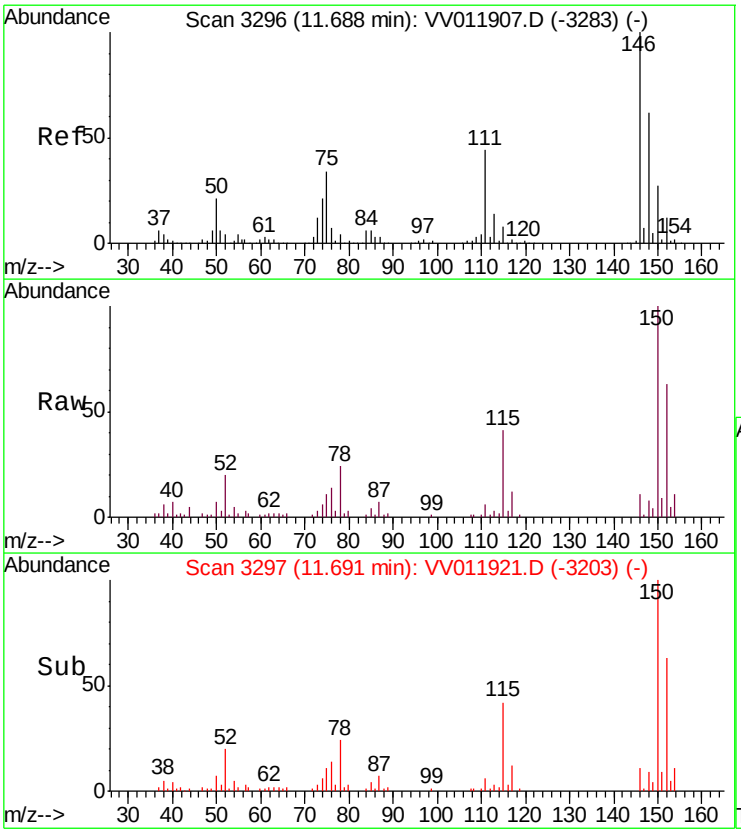
#58
1,1,2,2-Tetrachloroethane
Concen: 0.081 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.02 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument : MSVOA_V
ClientSampleId : A52L8

Tgt Ion: 83 Resp: 610

Ion	Ratio	Lower	Upper
83	100		
85	107.2	44.9	83.3#
131	197.7	8.2	12.2#

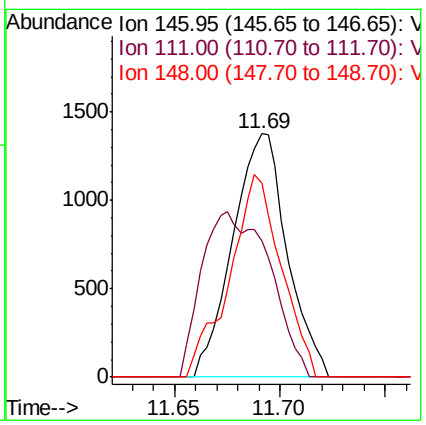


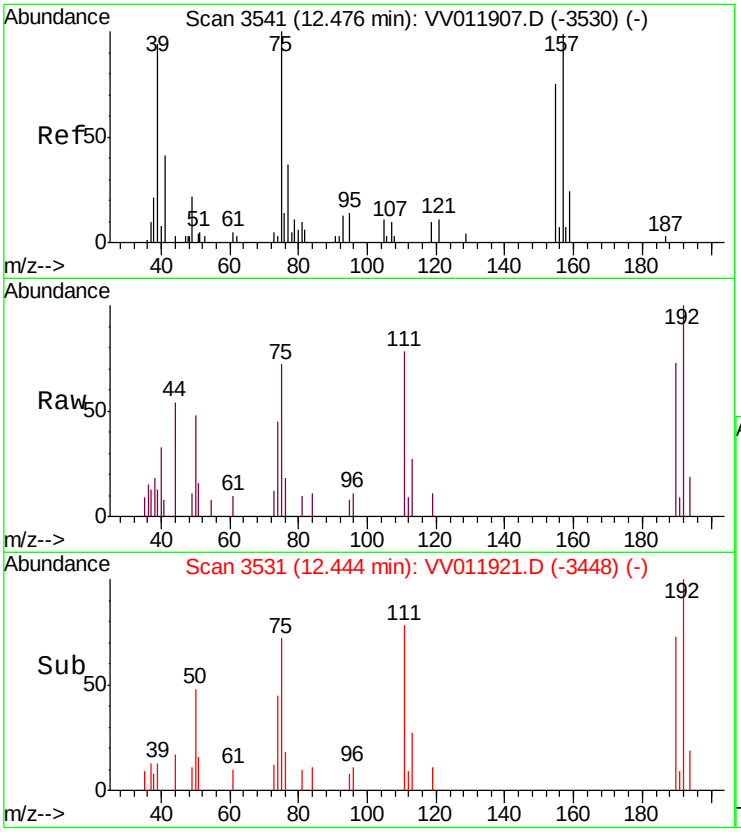


#65
1,2-Dichlorobenzene
Concen: 0.122 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion:146 Resp: 2473

Ion	Ratio	Lower	Upper
146	100		
111	56.1	34.0	51.0#
148	79.7	51.8	77.6#



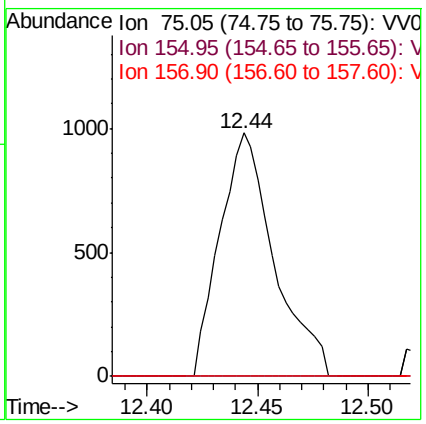


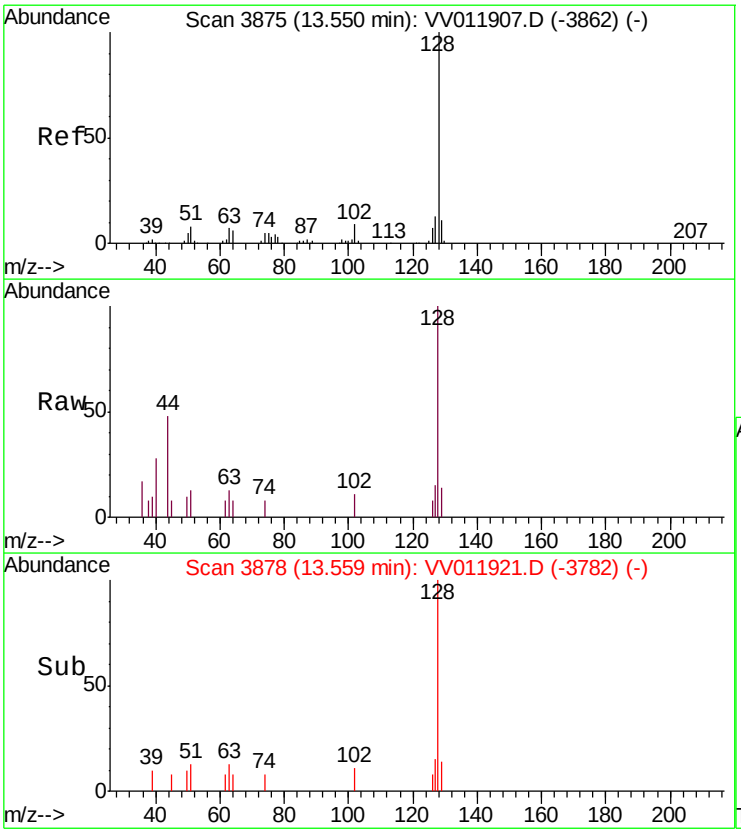
#66
1,2-Dibromo-3-chloropropane
Concen: 1.458 ug/L
RT: 12.44 min Scan# 3531
Delta R.T. -0.03 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Instrument : MSVOA_V
ClientSampleId : A52L8

Tgt Ion: 75 Resp: 1678

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





#69
Naphthalene
Concen: 0.121 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.01 min
Lab File: VV011921.D
Acq: 17 Jul 2019 19:26

Tgt Ion:128 Resp: 2496

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	9.1	10.7	16.1#