Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050119\

Quantitation Report (Not Reviewed)

Data File : VV010605.D
Acq On : 01 May 2019 15:14
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VICV41

Quant Time: May 02 08:15:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	93200	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	92698	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43623	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	24788	4.53	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 90.60%			
7) Chloroethane-d5	1.58	69	14202	4.03	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 80.60%			
11) 1,1-Dichloroethene-d2	2.13	63	49909	4.57	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.40%			
20) 2-Butanone-d5	3.95	46	62684	48.73	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 97.46%			
24) Chloroform-d	4.40	84	55893	4.57	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.40%			
26) 1,2-Dichloroethane-d4	5.08	65	27057	4.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.80%			
32) Benzene-d6	5.10	84	116117	4.88	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.60%			
36) 1,2-Dichloropropane-d6	6.12	67	33664	4.74	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.80%			
41) Toluene-d8	7.36	98	109640	4.75	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.00%			
43) trans-1,3-Dichloropropene-	7.67	79	12554	4.97	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 99.40%			
46) 2-Hexanone-d5	8.14	63	50932	50.46	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 100.92%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	23722	4.47	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.40%			
64) 1,2-Dichlorobenzene-d4	11.67	152	37643	4.59	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	41512	4.890	ug/L	99
3) Chloromethane	1.25	50	33910	4.702	ug/L	96
5) Vinyl chloride	1.32	62	34341	4.715	ug/L	99
6) Bromomethane	1.54	94	19825	4.519	ug/L	96
8) Chloroethane	1.60	64	13058	4.091	ug/L	95
9) Trichlorofluoromethane	1.77	101	58279	5.005	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30154	4.926	ug/L	98
12) 1,1-Dichloroethene	2.14	96	25888	4.655	ug/L	91
13) Acetone	2.21	43	33979	44.486	ug/L	100
14) Carbon disulfide	2.32	76	72404	4.757	ug/L	99
15) Methyl Acetate	2.47	43	11201	4.740	ug/L	97
16) Methylene chloride	2.53	84	31217	4.701	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	63317	4.795	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	31342	4.920	ug/L	99
19) 1,1-Dichloroethane	3.23	63	57389	4.919	ug/L	98
21) 2-Butanone	4.04	43	67550	52.036	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	33517	4.901	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050119\

Quantitation Report (Not Reviewed)

Data File : VV010605.D
Acq On : 01 May 2019 15:14
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VICV41

Quant Time: May 02 08:15:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Bromochloromethane	4.30	128	14169	4.893	ug/L		99
25) Chloroform	4.43	83	59598	4.780	ug/L		96
27) 1,2-Dichloroethane	5.18	62	34371	4.814	ug/L		95
29) 1,1,1-Trichloroethane	4.66	97	51017	4.792	ug/L		99
30) Cyclohexane	4.72	56	49375	4.928	ug/L		99
31) Carbon tetrachloride	4.87	117	47125	4.947	ug/L		97
33) Benzene	5.15	78	127022	4.973	ug/L		100
34) Trichloroethene	5.96	95	34231	4.759	ug/L		97
35) Methylcyclohexane	6.18	83	51737	4.966	ug/L		97
37) 1,2-Dichloropropane	6.22	63	30701	4.918	ug/L		100
38) Bromodichloromethane	6.55	83	39289	4.936	ug/L		96
39) cis-1,3-Dichloropropene	7.07	75	44145	5.218	ug/L		95
40) 4-Methyl-2-pentanone	7.28	43	171791	50.133	ug/L		98
42) Toluene	7.43	91	140685	4.923	ug/L		99
44) trans-1,3-Dichloropropene	7.69	75	32638	4.946	ug/L		96
45) 1,1,2-Trichloroethane	7.88	97	20890	4.710	ug/L		91
47) Tetrachloroethene	8.02	164	27204	4.792	ug/L		97
48) 2-Hexanone	8.19	43	124681	50.725	ug/L		99
49) Dibromochloromethane	8.29	129	25446	4.927	ug/L		98
50) 1,2-Dibromoethane	8.40	107	19883	5.017	ug/L	#	97
51) Chlorobenzene	8.93	112	89582	4.821	ug/L		99
52) Ethylbenzene	9.05	91	150165	4.955	ug/L		99
53) m,p-xylene	9.18	106	58591	5.048	ug/L		99
54) o-xylene	9.59	106	57855	5.119	ug/L		94
55) Styrene	9.60	104	95757	5.107	ug/L		99
56) Isopropylbenzene	9.97	105	150274	5.124	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.29	83	23018	4.595	ug/L		100
59) 1,2,3-Trichloropropane	10.32	75	17475	4.923	ug/L		99
61) Bromoform	9.77	173	12189	4.634	ug/L		98
62) 1,3-Dichlorobenzene	11.23	146	67384	4.814	ug/L		99
63) 1,4-Dichlorobenzene	11.32	146	67730	4.856	ug/L		96
65) 1,2-Dichlorobenzene	11.69	146	64885	4.876	ug/L		100
66) 1,2-Dibromo-3-chloropropan	12.48	75	3587	4.703	ug/L		94
67) 1,3,5-Trichlorobenzene	12.69	180	49852	4.747	ug/L		99
68) 1,2,4-trichlorobenzene	13.31	180	37962	4.818	ug/L		99
69) Naphthalene	13.55	128	59639	4.949	ug/L		99
70) 1,2,3-Trichlorobenzene	13.79	180	36384	5.178	ug/L		99

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

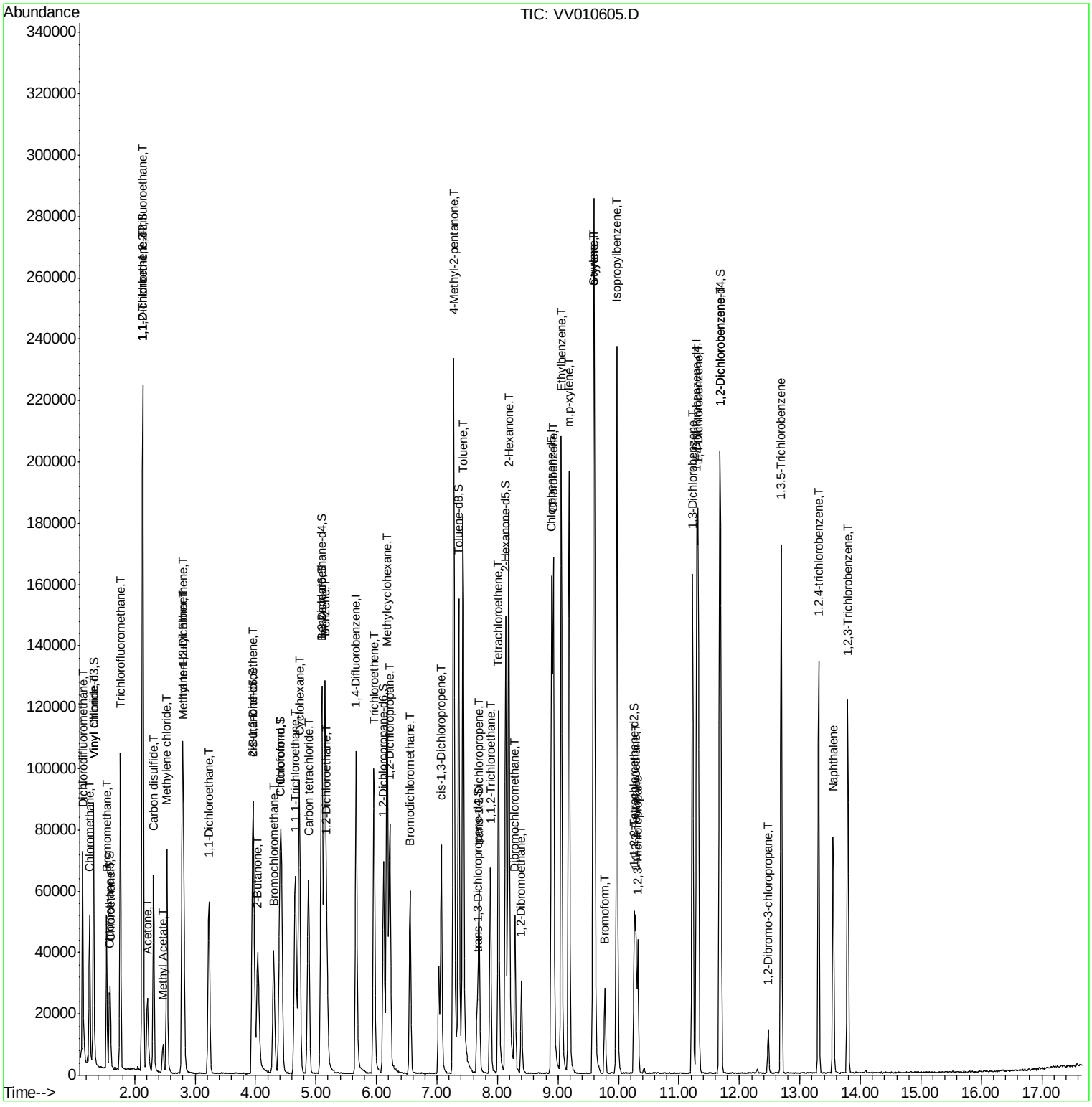
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050119\

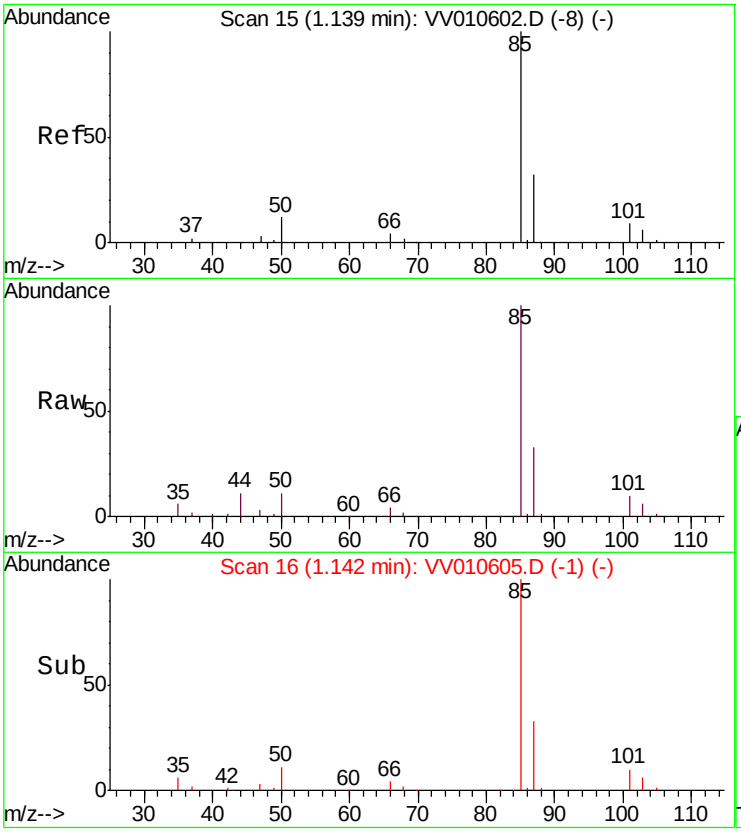
Quantitation Report (Not Reviewed)

Data File : VV010605.D
Acq On : 01 May 2019 15:14
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VICV41

Quant Time: May 02 08:15:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:11:40 2019
Response via : Initial Calibration



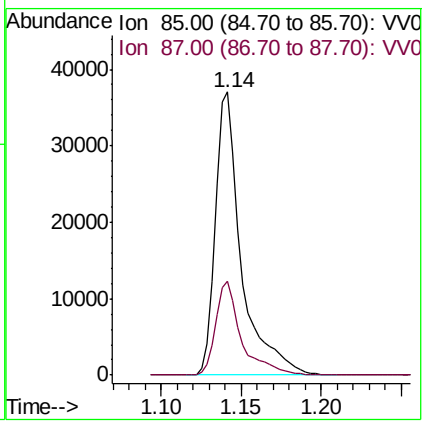


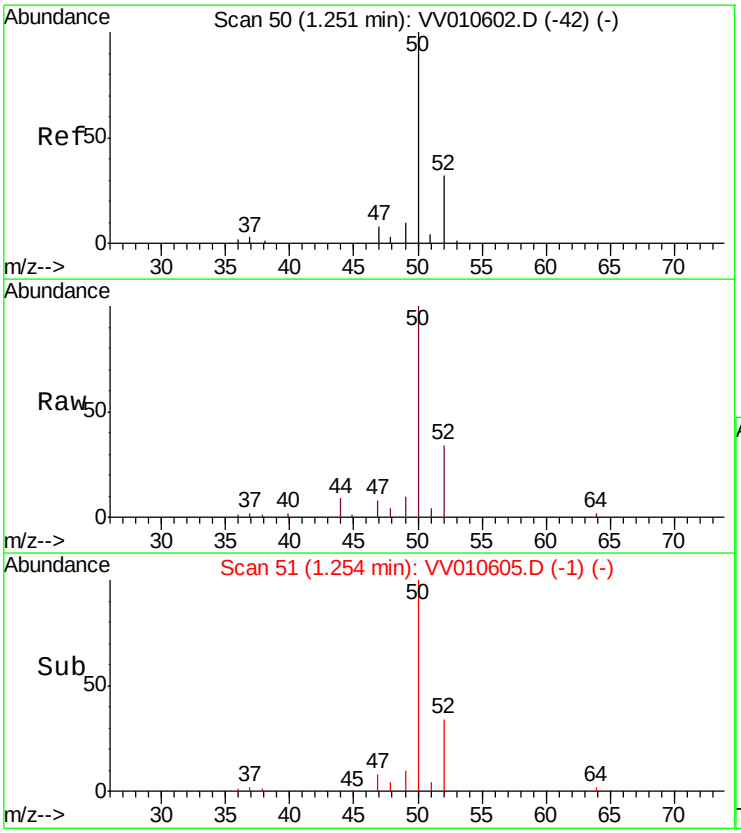
#2
Dichlorodifluoromethane
Concen: 4.890 ug/L
RT: 1.14 min Scan# 16
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 85 Resp: 41512

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.7	38.5

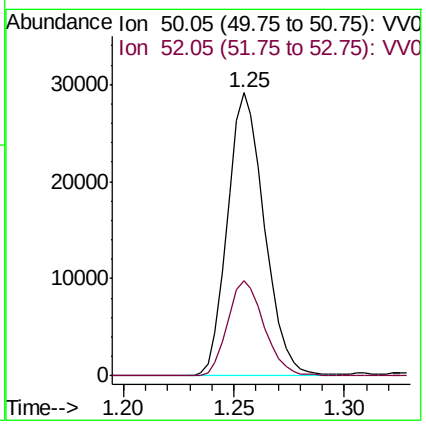


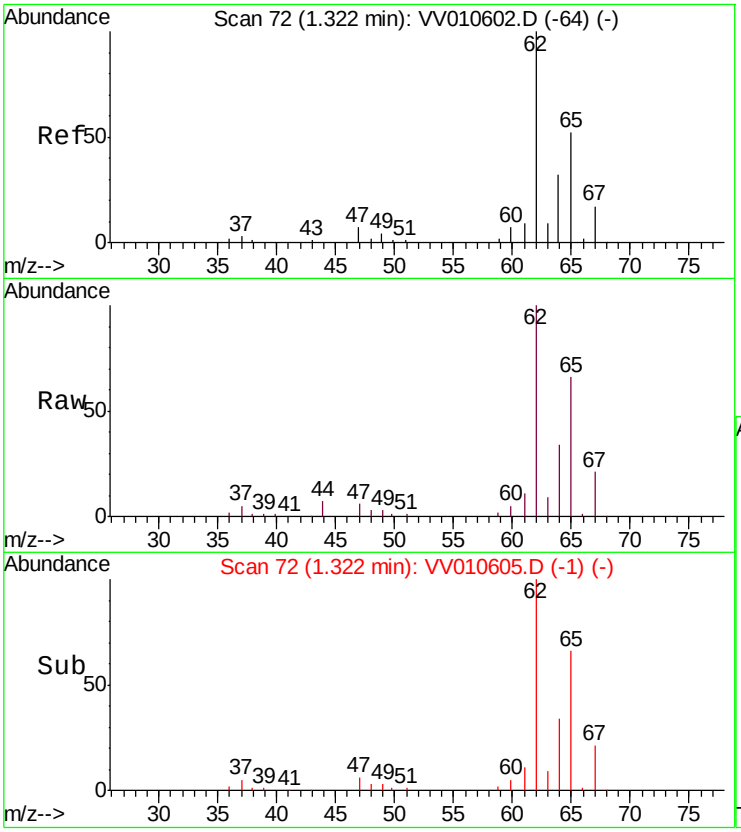


#3
Chloromethane
Concen: 4.702 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 50 Resp: 33910

Ion	Ratio	Lower	Upper
50	100		
52	33.6	22.0	41.0



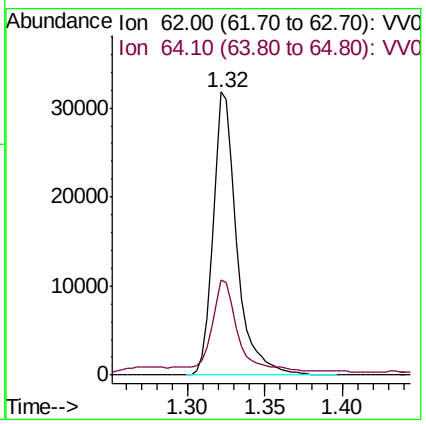


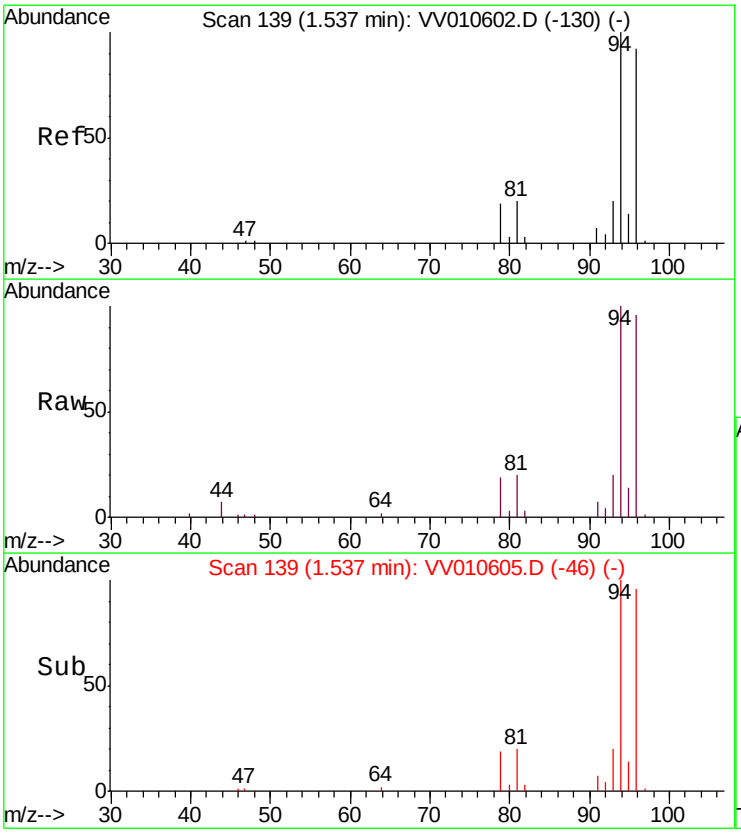
#5
Vinyl chloride
Concen: 4.715 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 62 Resp: 34341

Ion	Ratio	Lower	Upper
62	100		
64	33.6	23.1	42.9

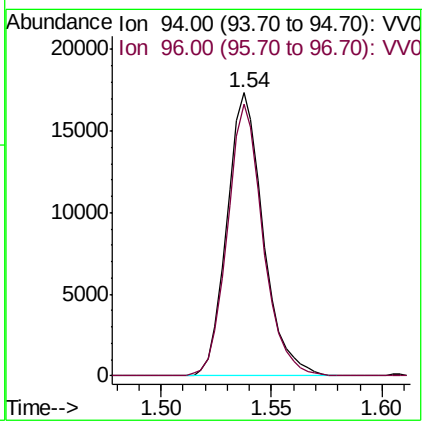


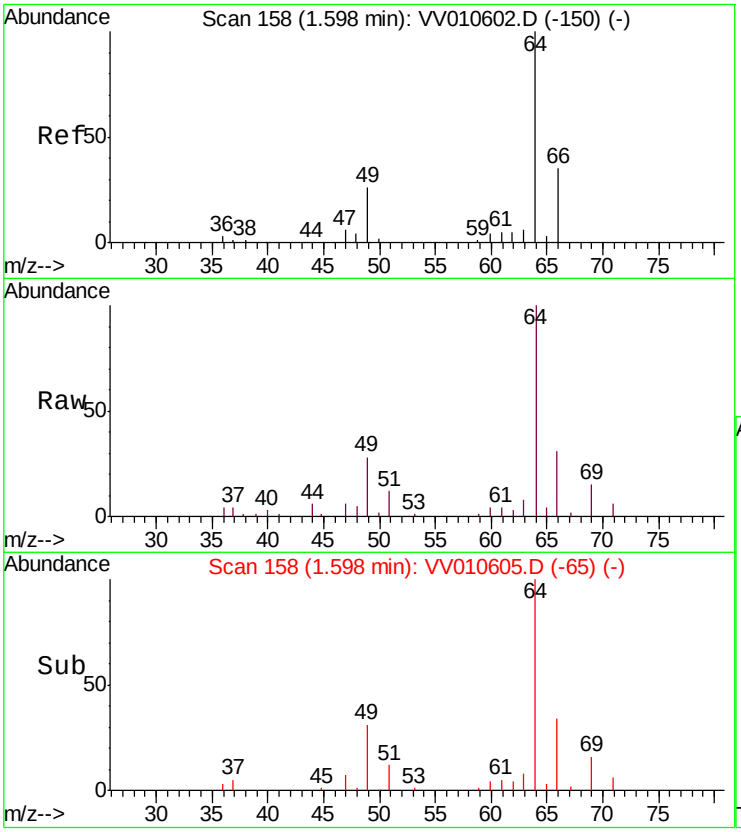


#6
Bromomethane
Concen: 4.519 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 94 Resp: 19825

Ion	Ratio	Lower	Upper
94	100		
96	96.0	64.5	119.7



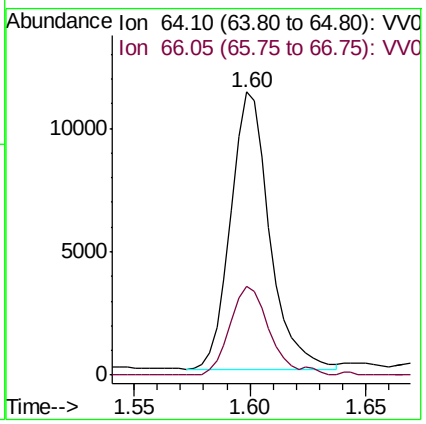


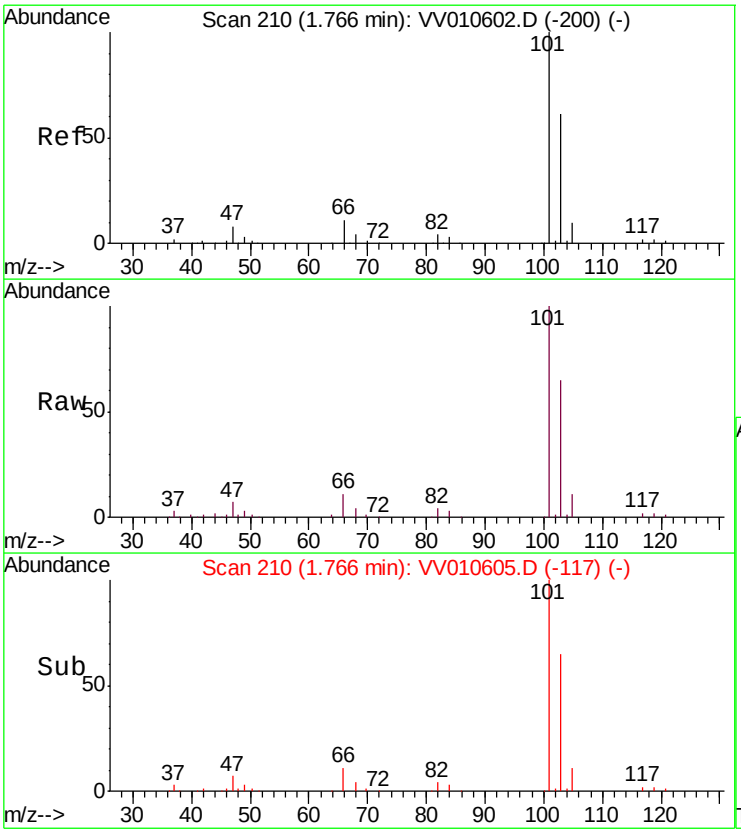
#8
Chloroethane
Concen: 4.091 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument : MSVOA_V
ClientSampleId : VICV41

Tgt Ion: 64 Resp: 13058

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.8	44.2

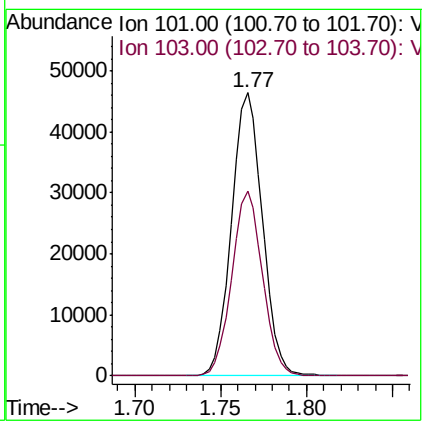


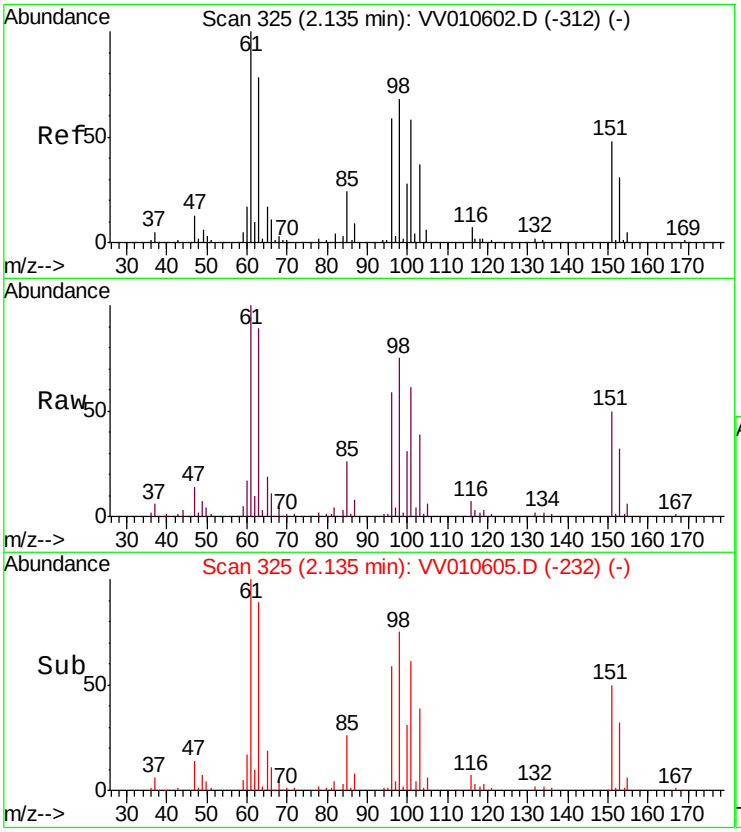


#9
Trichlorofluoromethane
Concen: 5.005 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion:101 Resp: 58279

Ion	Ratio	Lower	Upper
101	100		
103	64.7	49.5	74.3



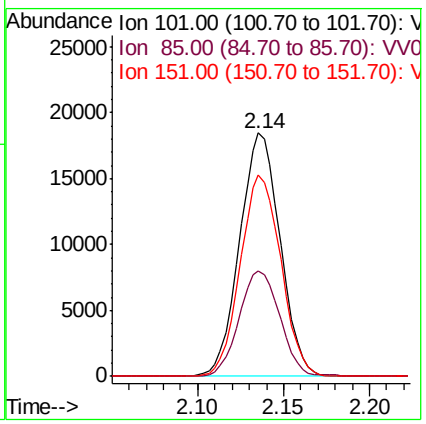


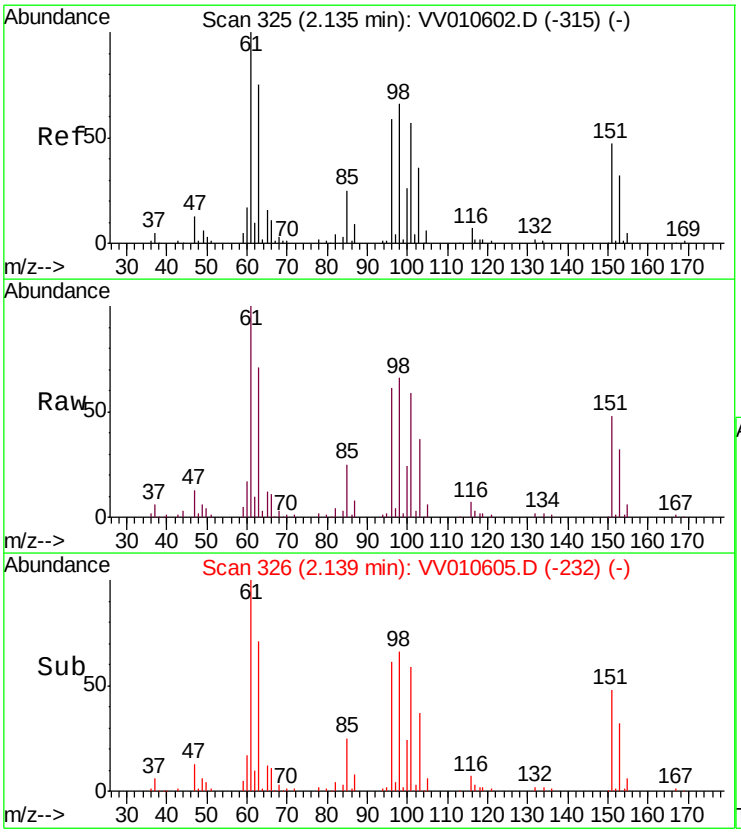
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.926 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion:101 Resp: 30154

Ion	Ratio	Lower	Upper
101	100		
85	43.6	33.7	50.5
151	82.9	65.2	97.8

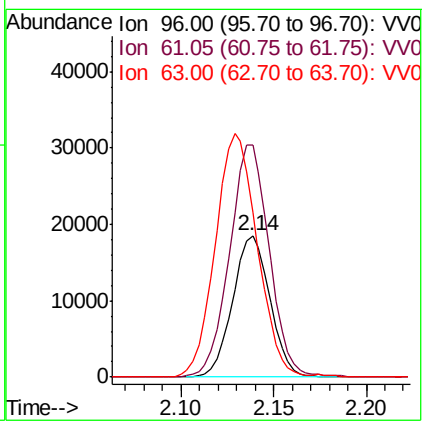


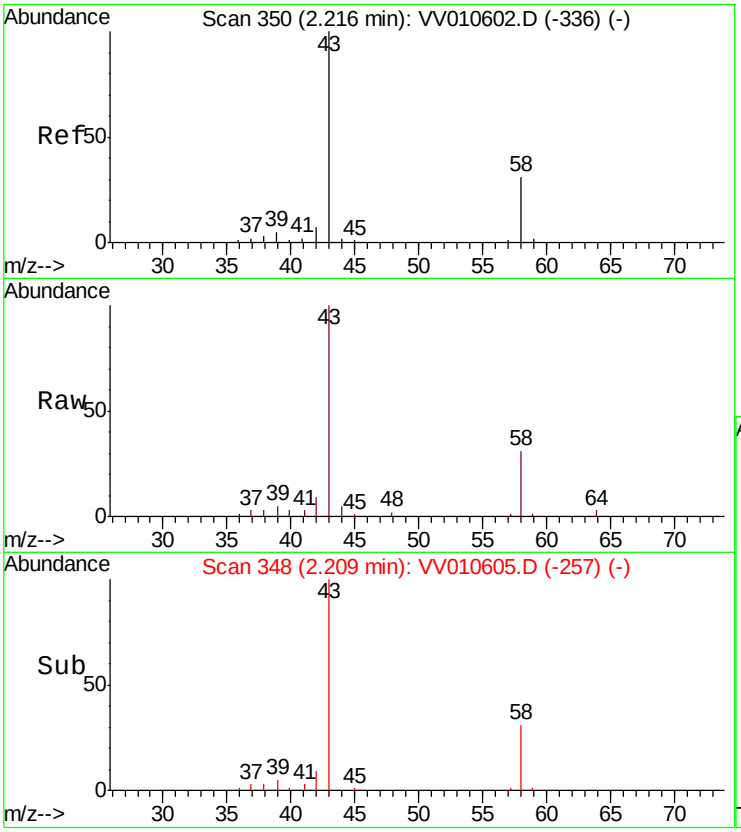


#12
1,1-Dichloroethene
Concen: 4.655 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 96 Resp: 25888

Ion	Ratio	Lower	Upper
96	100		
61	163.7	118.7	220.5
63	116.2	93.2	173.0



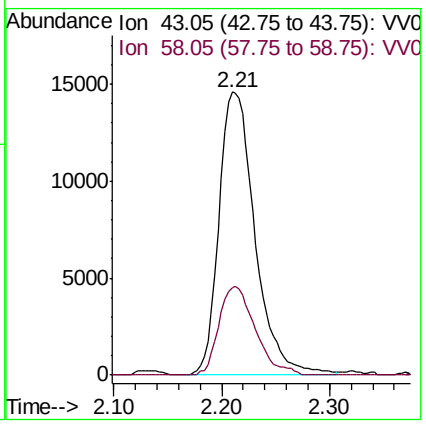


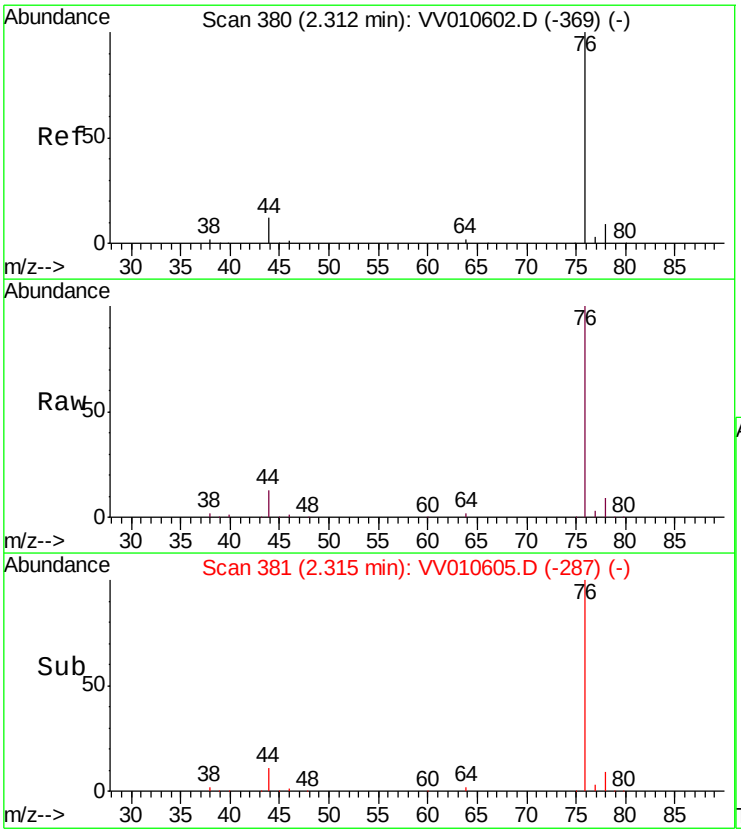
#13
Acetone
Concen: 44.486 ug/L
RT: 2.21 min Scan# 348
Delta R.T. -0.01 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 43 Resp: 33979

Ion	Ratio	Lower	Upper
43	100		
58	31.5	0.0	62.8

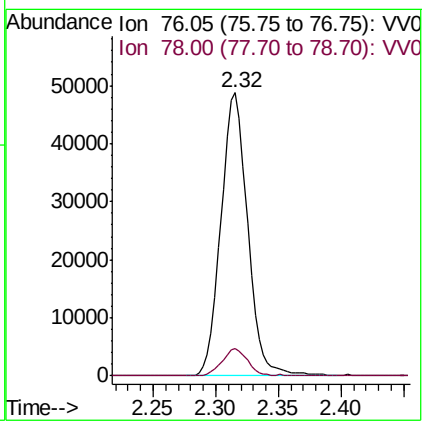


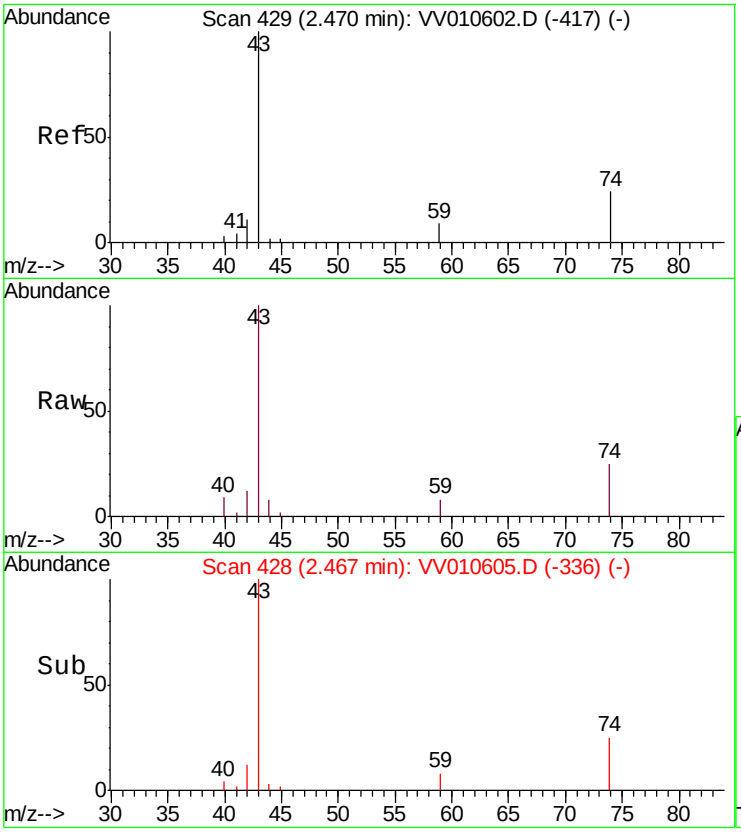


#14
Carbon disulfide
Concen: 4.757 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 76 Resp: 72404

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0



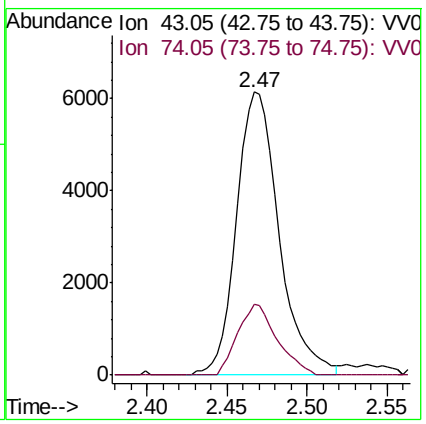


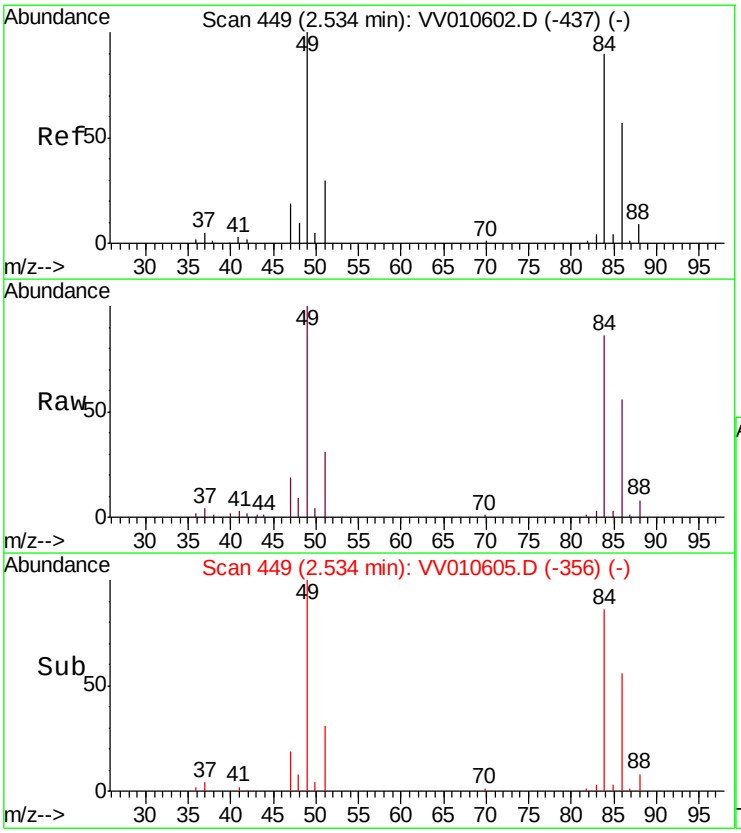
#15
Methyl Acetate
Concen: 4.740 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 43 Resp: 11201

Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.5	26.3

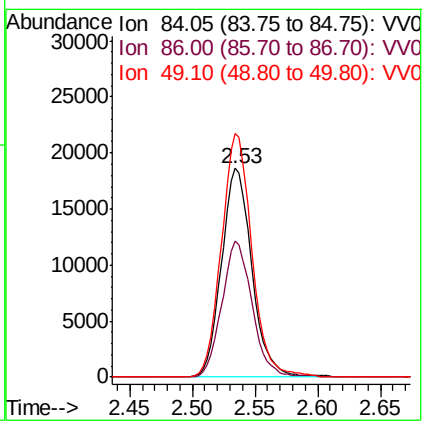


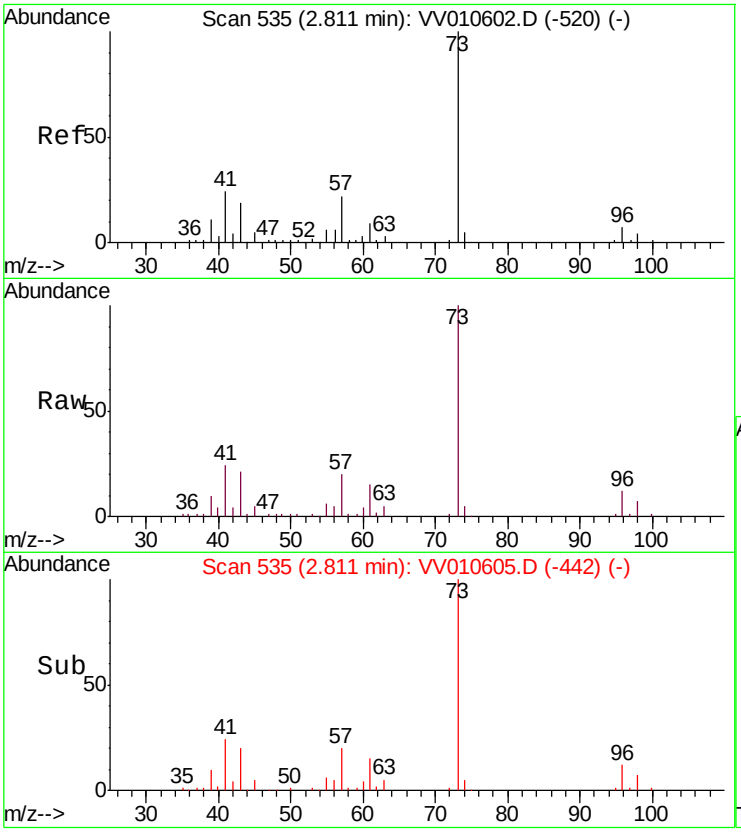


#16
Methylene chloride
Concen: 4.701 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 84 Resp: 31217

Ion	Ratio	Lower	Upper
84	100		
86	65.4	44.2	82.0
49	116.8	77.8	144.6



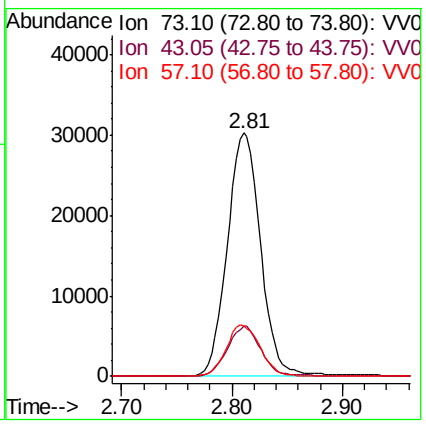


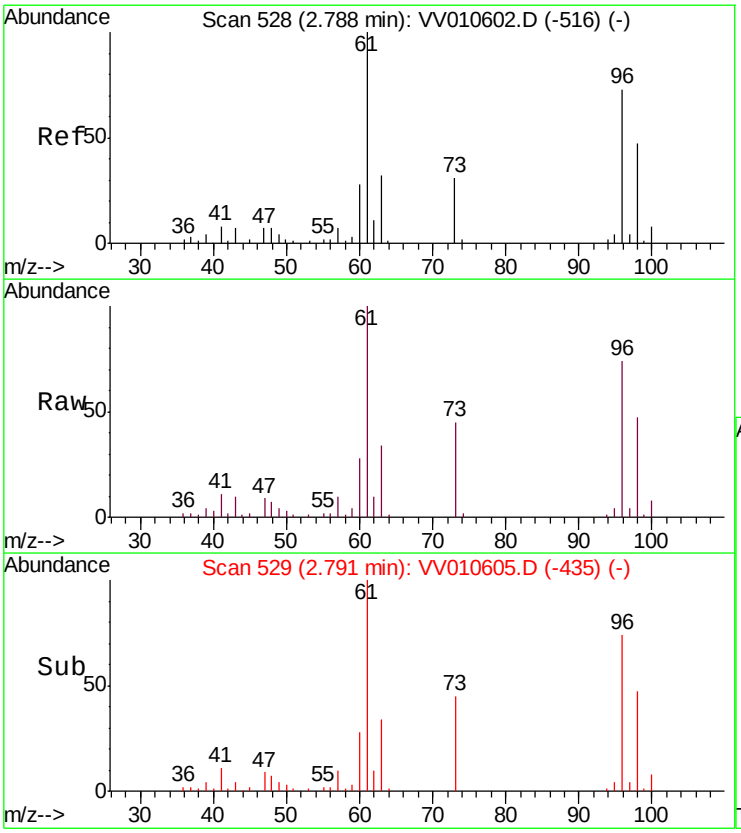
#17
Methyl tert-butyl Ether
Concen: 4.795 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 73 Resp: 63317

Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.1	24.1
57	21.5	17.9	26.9

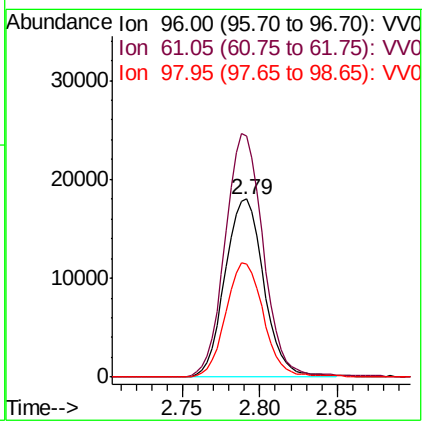


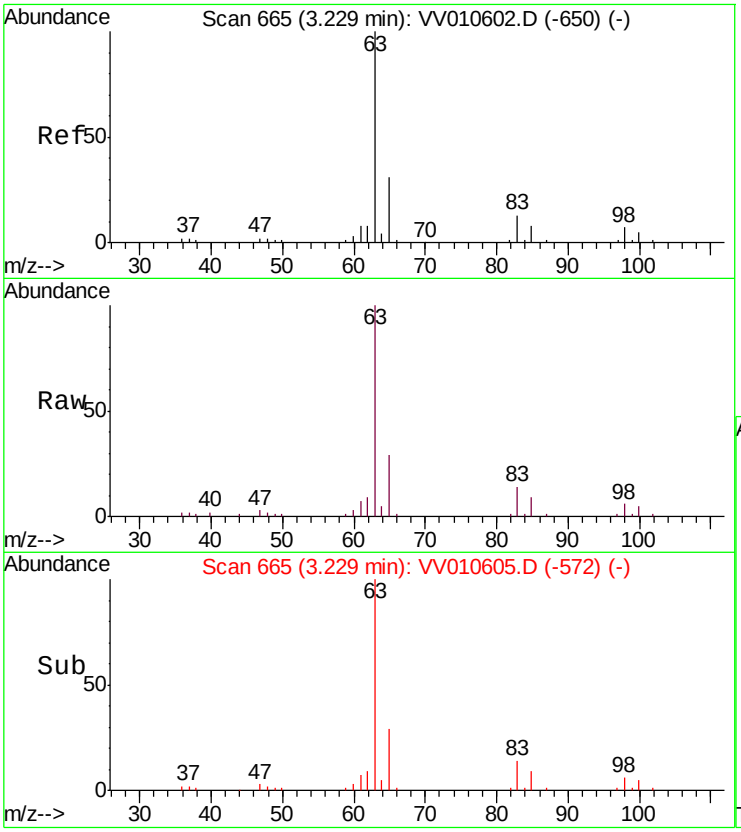


#18
trans-1,2-Dichloroethene
Concen: 4.920 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 96 Resp: 31342

Ion	Ratio	Lower	Upper
96	100		
61	135.5	96.2	178.6
98	63.8	44.9	83.3



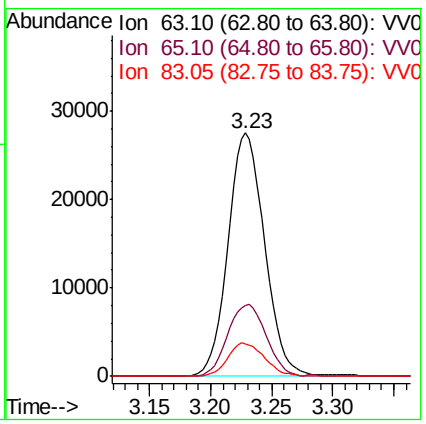


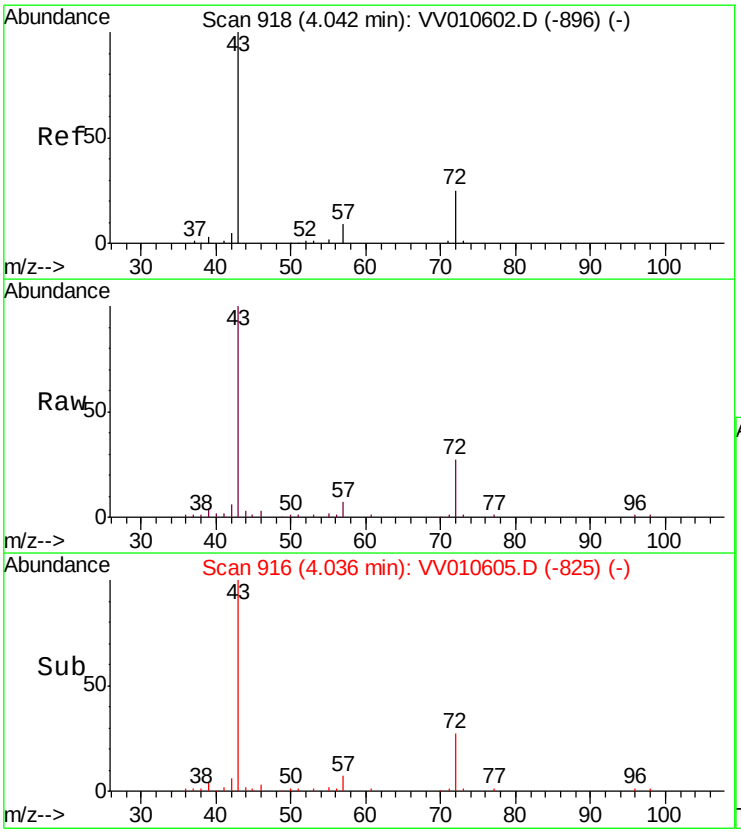
#19
1,1-Dichloroethane
Concen: 4.919 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 63 Resp: 57389

Ion	Ratio	Lower	Upper
63	100		
65	29.3	21.3	39.6
83	13.5	9.0	16.6

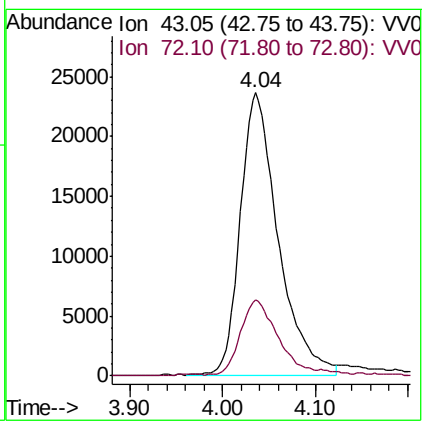


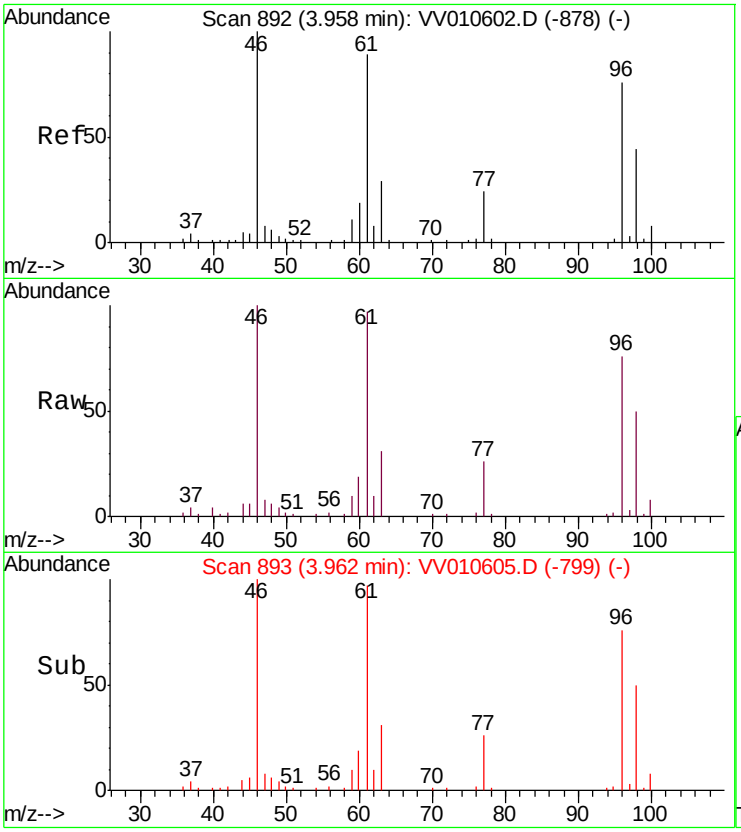


#21
2-Butanone
Concen: 52.036 ug/L
RT: 4.04 min Scan# 916
Delta R.T. -0.01 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 43 Resp: 67550

Ion	Ratio	Lower	Upper
43	100		
72	27.9	13.8	41.3



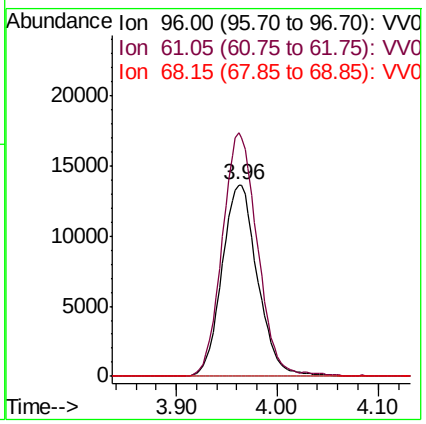


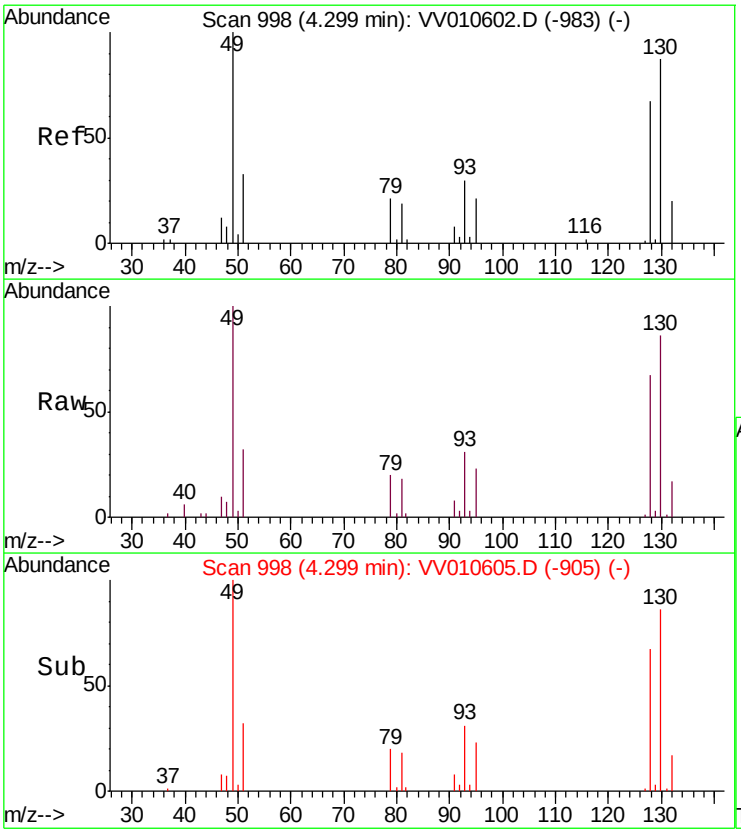
#22
cis-1,2-Dichloroethene
Concen: 4.901 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 96 Resp: 33517

Ion	Ratio	Lower	Upper
96	100		
61	127.0	82.3	152.9
68	0.0	0.0	0.0

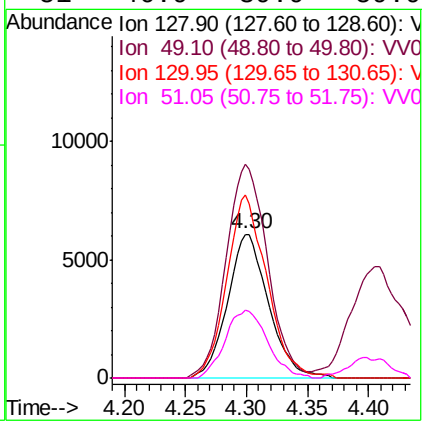


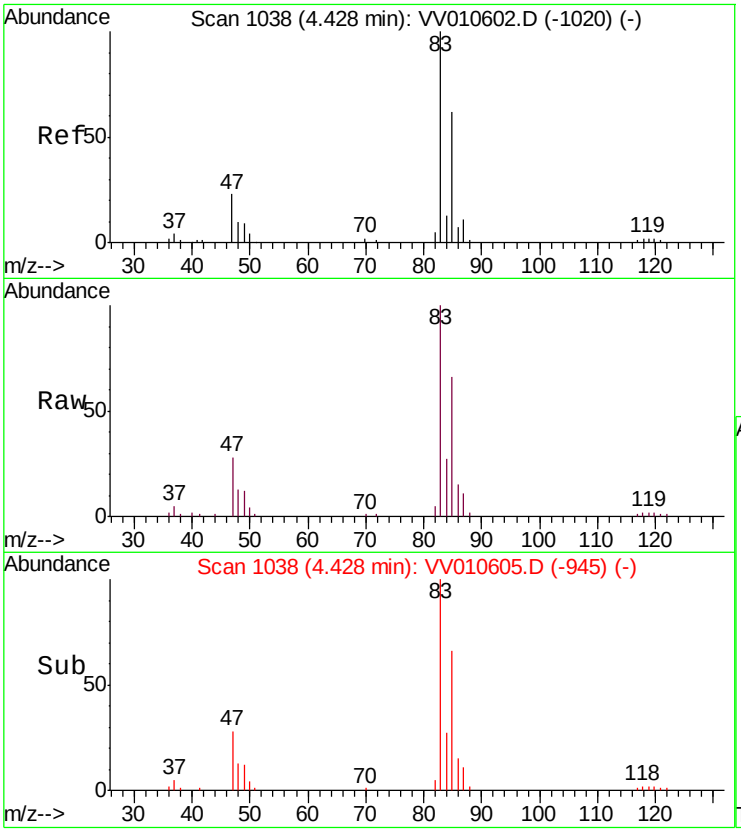


#23
Bromochloromethane
Concen: 4.893 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion:128 Resp: 14169

Ion	Ratio	Lower	Upper
128	100		
49	148.5	104.4	193.8
130	127.3	90.4	167.8
51	46.9	39.9	59.9



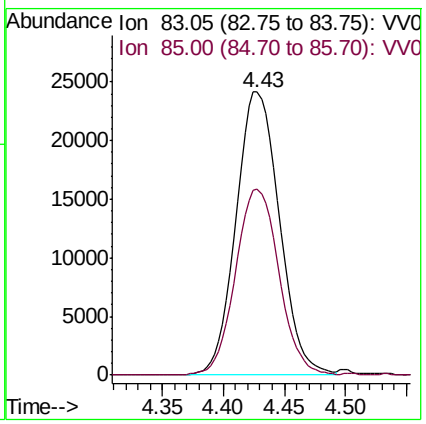


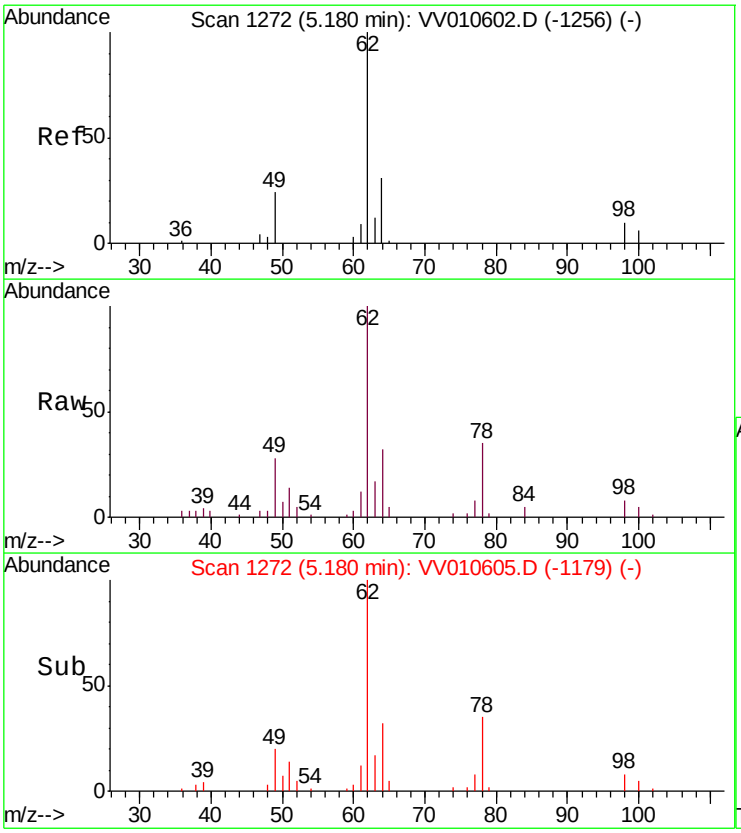
#25
Chloroform
Concen: 4.780 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 83 Resp: 59598

Ion	Ratio	Lower	Upper
83	100		
85	65.7	43.7	81.1

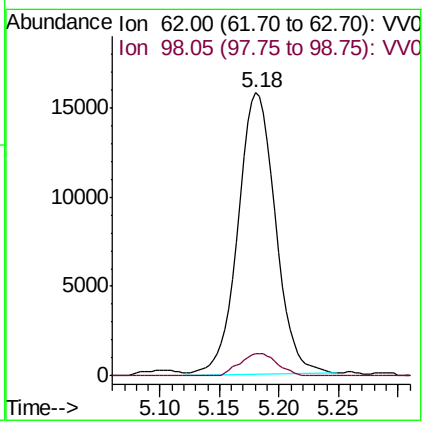


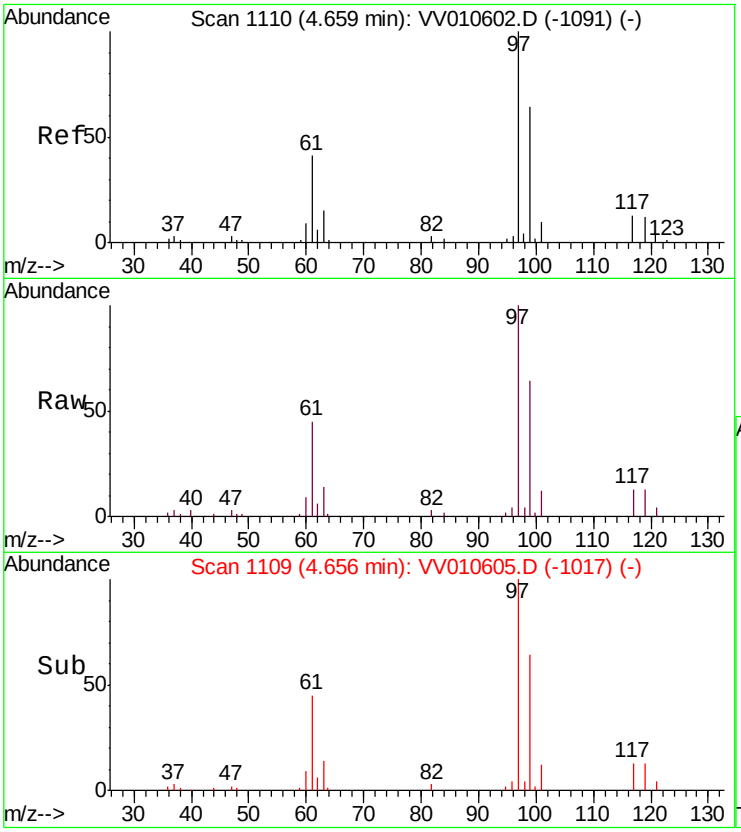


#27
1,2-Dichloroethane
Concen: 4.814 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 62 Resp: 34371

Ion	Ratio	Lower	Upper
62	100		
98	7.9	7.7	11.5



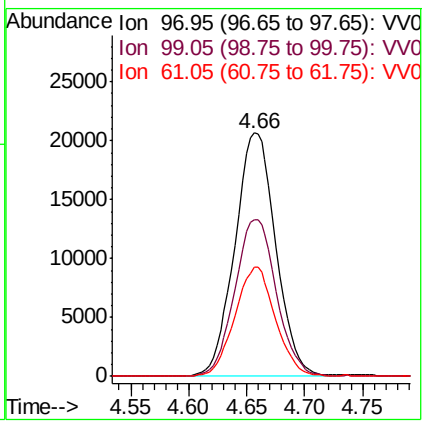


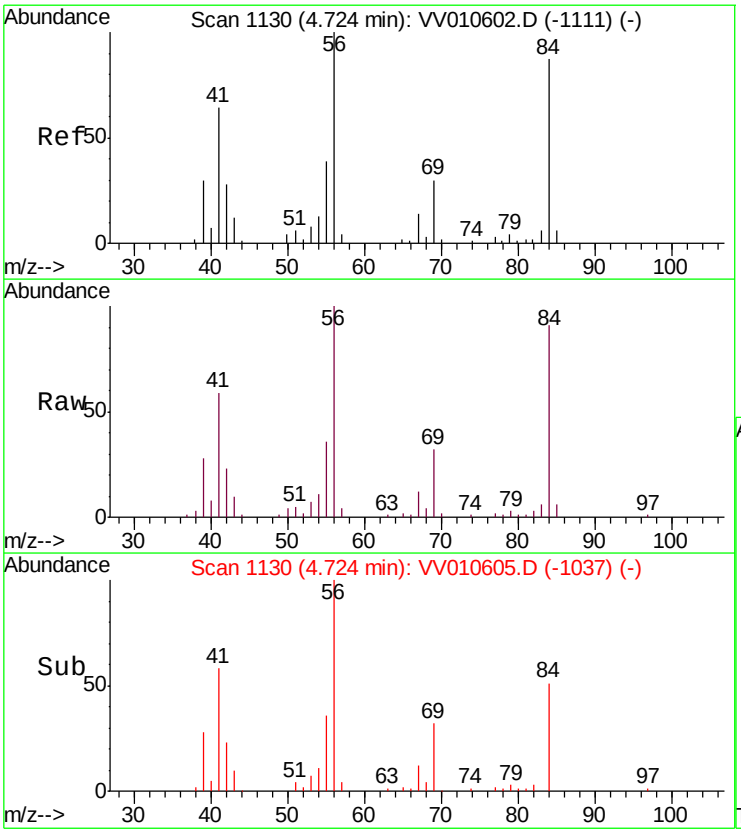
#29
1,1,1-Trichloroethane
Concen: 4.792 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion: 97 Resp: 51017

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	44.1	34.6	52.0

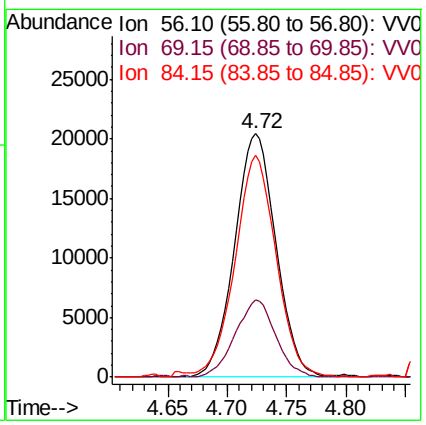


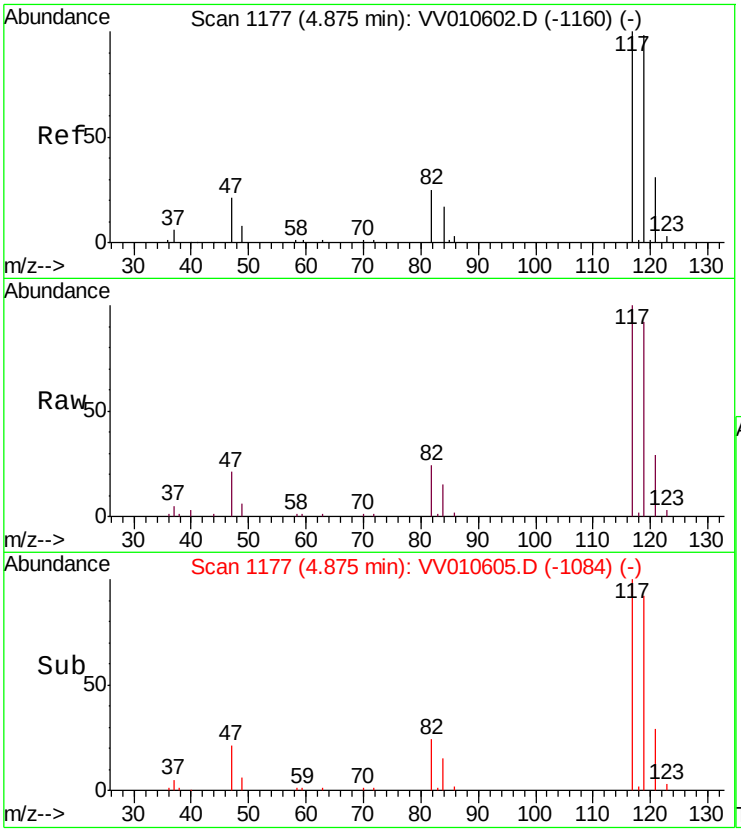


#30
Cyclohexane
Concen: 4.928 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 56 Resp: 49375

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.7	37.1
84	90.6	71.4	107.2



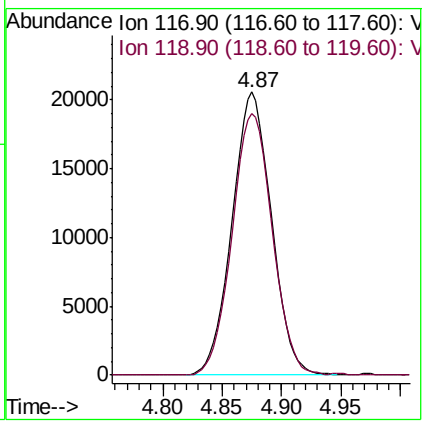


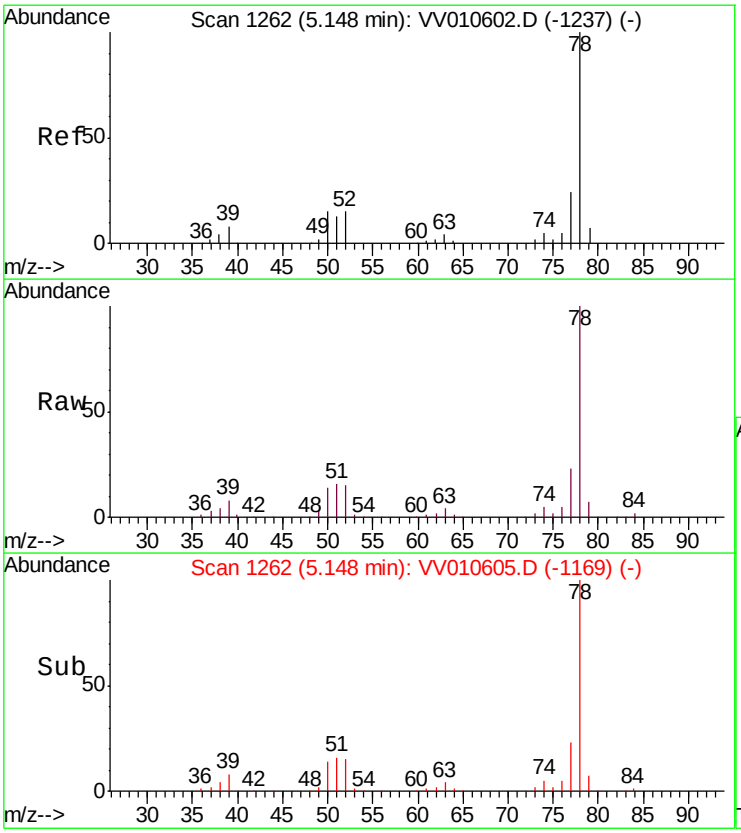
#31
Carbon tetrachloride
Concen: 4.947 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Instrument :
MSVOA_V
ClientSampleId :
VICV41

Tgt Ion:117 Resp: 47125

Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.1	117.1





#33
Benzene
Concen: 4.973 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010605.D
Acq: 01 May 2019 15:14

Tgt Ion: 78 Resp: 127022