Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\

Quantitation Report (Not Reviewed)

Data File : VV010726.D
Acq On : 08 May 2019 13:23
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD02588

Quant Time: May 09 02:28:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	99808	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	100070	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45436	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	41369	26.68	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 106.72%			
7) Chloroethane-d5	1.56	69	35757	28.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 112.08%			
10) 1,1-Dichloroethene-d2	2.12	63	88811	26.41	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 105.64%			
20) 2-Butanone-d5	3.93	46	24213	52.04	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.08%			
24) Chloroform-d	4.40	84	76215	28.01	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 112.04%			
26) 1,2-Dichloroethane-d4	5.08	65	46350	27.27	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 109.08%			
29) Benzene-d6	5.09	84	147971	28.09	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 112.36%			
33) 1,2-Dichloropropane-d6	6.12	67	46598	27.76	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 111.04%			
37) Toluene-d8	7.36	98	139558	27.67	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 110.68%			
38) trans-1,3-Dichloropropene-	7.66	79	20906	27.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 109.28%			
39) 2-Hexanone-d5	8.13	63	18068	51.44	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.88%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	41752	26.47	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.88%			
61) 1,2-Dichlorobenzene-d4	11.67	152	48237	27.41	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.64%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	34652	25.068	ug/L	98
3) Chloromethane	1.25	50	42850	25.482	ug/L	99
5) Vinyl chloride	1.32	62	49806	25.509	ug/L	99
6) Bromomethane	1.51	94	30134	31.824	ug/L	99
8) Chloroethane	1.58	64	31338	25.772	ug/L	98
9) Trichlorofluoromethane	1.76	101	75074	25.542	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42750	25.476	ug/L	100
12) 1,1-Dichloroethene	2.13	96	41370	26.329	ug/L	91
13) Acetone	2.18	43	31531	43.774	ug/L	99
14) Carbon disulfide	2.31	76	100762	26.095	ug/L	99
15) Methyl Acetate	2.45	43	20087	23.343	ug/L	98
16) Methylene chloride	2.53	84	46077	29.857	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	100597	25.568	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	36910	25.987	ug/L	98
19) 1,1-Dichloroethane	3.22	63	71562	26.098	ug/L	99
21) 2-Butanone	4.01	43	30756	45.052	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	42951	26.472	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\

Quantitation Report (Not Reviewed)

Data File : VV010726.D
Acq On : 08 May 2019 13:23
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD02588

Quant Time: May 09 02:28:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	19050	26.120	ug/L	95
25) Chloroform	4.42	83	78712	26.057	ug/L	99
27) 1,2-Dichloroethane	5.17	62	57976	26.258	ug/L	98
30) Cyclohexane	4.72	56	65320	26.026	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	64217	25.737	ug/L	99
32) Carbon tetrachloride	4.87	117	57327	26.377	ug/L	100
34) Benzene	5.14	78	160577	27.335	ug/L	100
35) Trichloroethene	5.95	95	43175	26.238	ug/L	98
36) Methylcyclohexane	6.17	83	68923	26.134	ug/L	98
40) 1,2-Dichloropropane	6.22	63	40686	26.035	ug/L	99
41) Bromodichloromethane	6.55	83	56955	26.524	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	66884	27.059	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	61772	46.959	ug/L	98
44) Toluene	7.43	91	175159	26.253	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	56296	27.048	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	33541	26.126	ug/L	99
47) Tetrachloroethene	8.02	164	30453	25.554	ug/L	92
49) 2-Hexanone	8.18	43	45926	45.921	ug/L	99
50) Dibromochloromethane	8.29	129	39026	26.435	ug/L	99
51) 1,2-Dibromoethane	8.40	107	32273	26.028	ug/L	98
52) Chlorobenzene	8.92	112	115375	26.469	ug/L	99
53) Ethylbenzene	9.05	91	202379	26.160	ug/L	98
54) m,p-Xylene	9.18	106	76969	26.630	ug/L	96
55) o-xylene	9.59	106	75083	26.191	ug/L	99
56) Styrene	9.60	104	125302	25.842	ug/L	95
57) Isopropylbenzene	9.97	105	196235	25.656	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	41747	24.820	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	31711	24.157	ug/L	98
62) Bromoform	9.77	173	20050	25.914	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	83508	26.404	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	83246	25.767	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	80605	26.240	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6459	22.660	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	59995	26.334	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	47707	27.063	ug/L	97
69) Naphthalene	13.55	128	99413	26.347	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	42910	25.950	ug/L	95

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

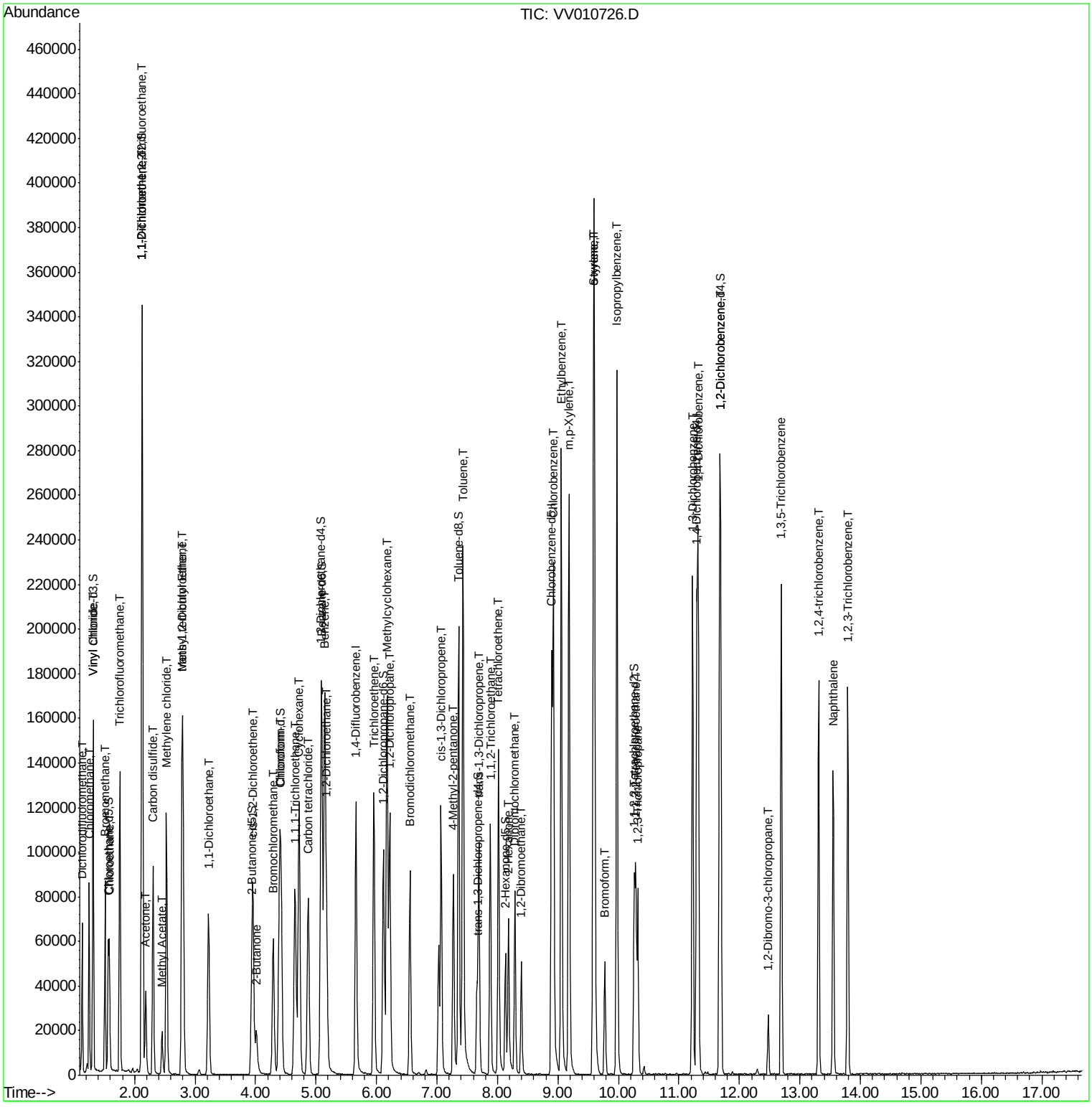
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\

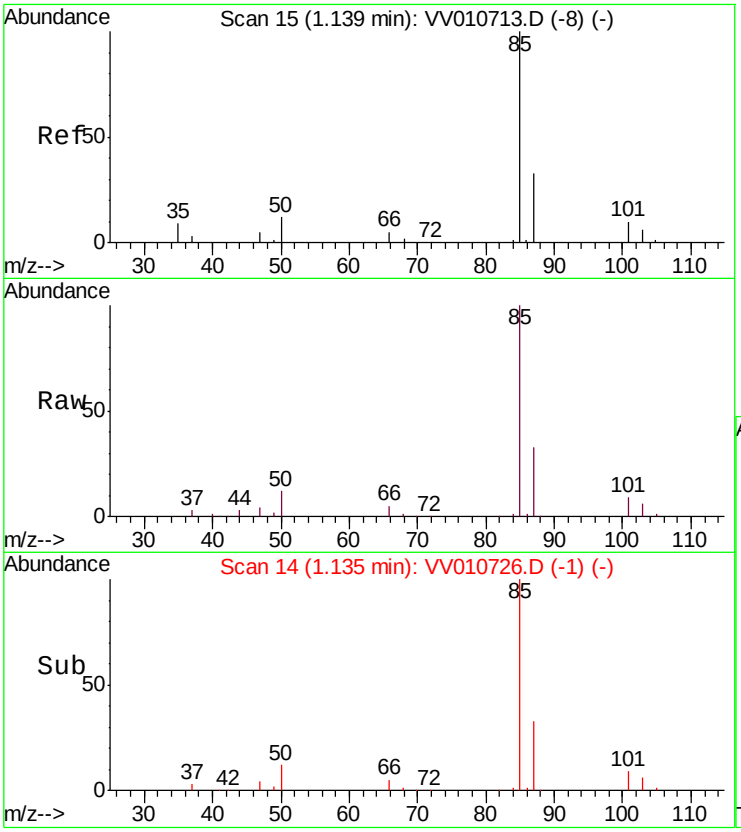
Quantitation Report (Not Reviewed)

Data File : VV010726.D
Acq On : 08 May 2019 13:23
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Quant Time: May 09 02:28:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration



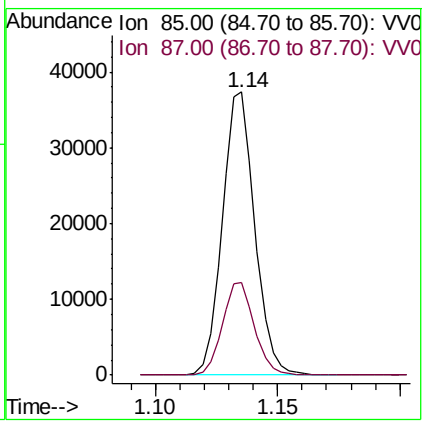


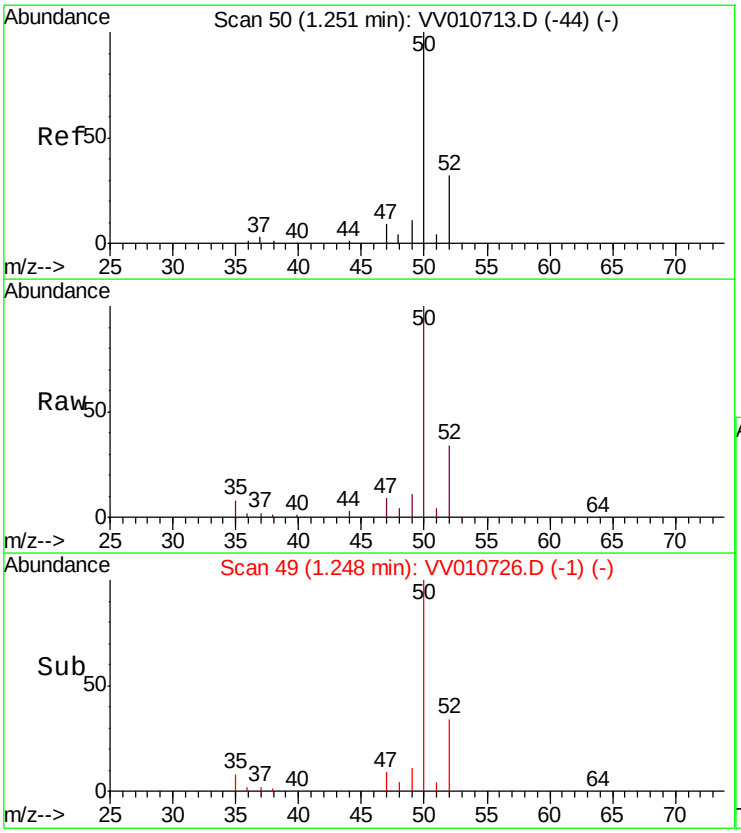
#2
Dichlorodifluoromethane
Concen: 25.068 ug/L
RT: 1.14 min Scan# 14
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 85 Resp: 34652

Ion	Ratio	Lower	Upper
85	100		
87	32.3	21.9	40.7

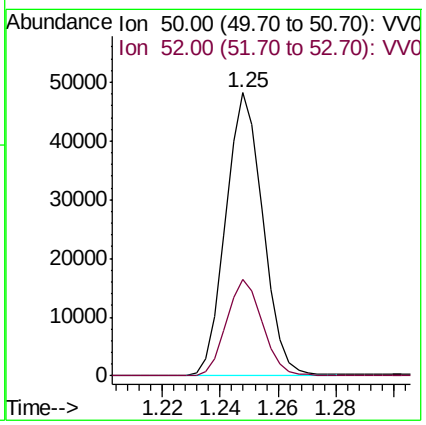


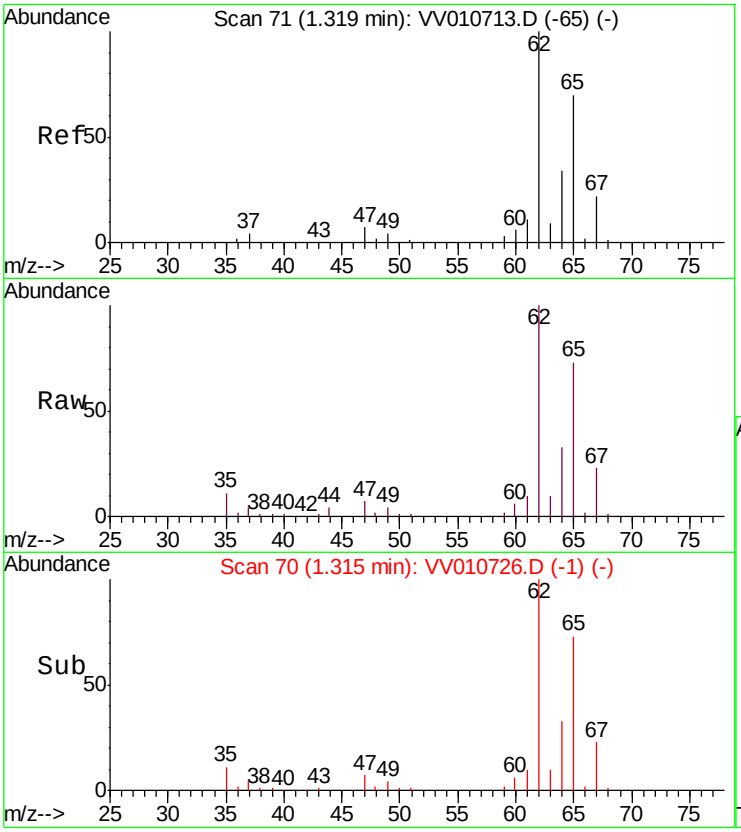


#3
Chloromethane
Concen: 25.482 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 50 Resp: 42850

Ion	Ratio	Lower	Upper
50	100		
52	34.2	23.7	43.9



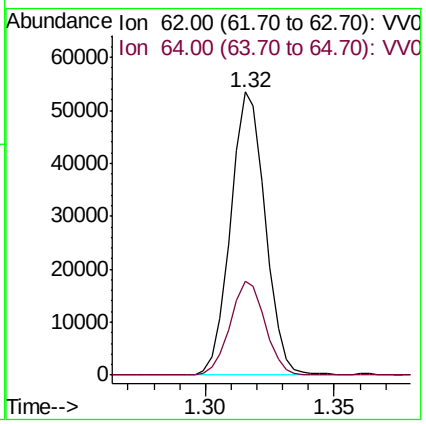


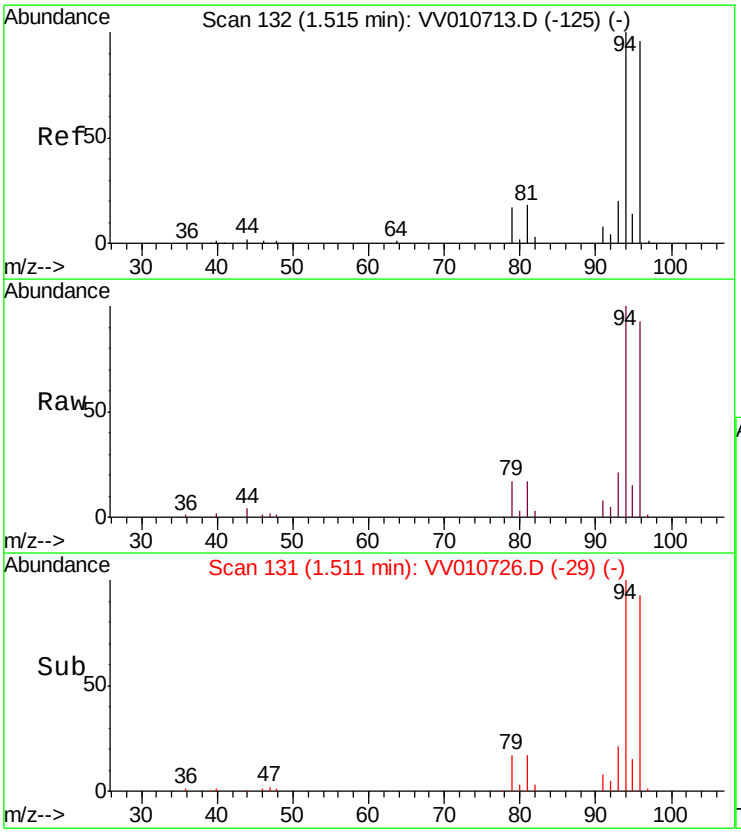
#5
Vinyl chloride
Concen: 25.509 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 62 Resp: 49806

Ion	Ratio	Lower	Upper
62	100		
64	33.1	22.9	42.5

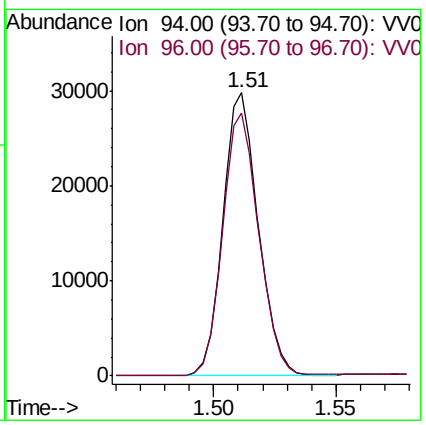


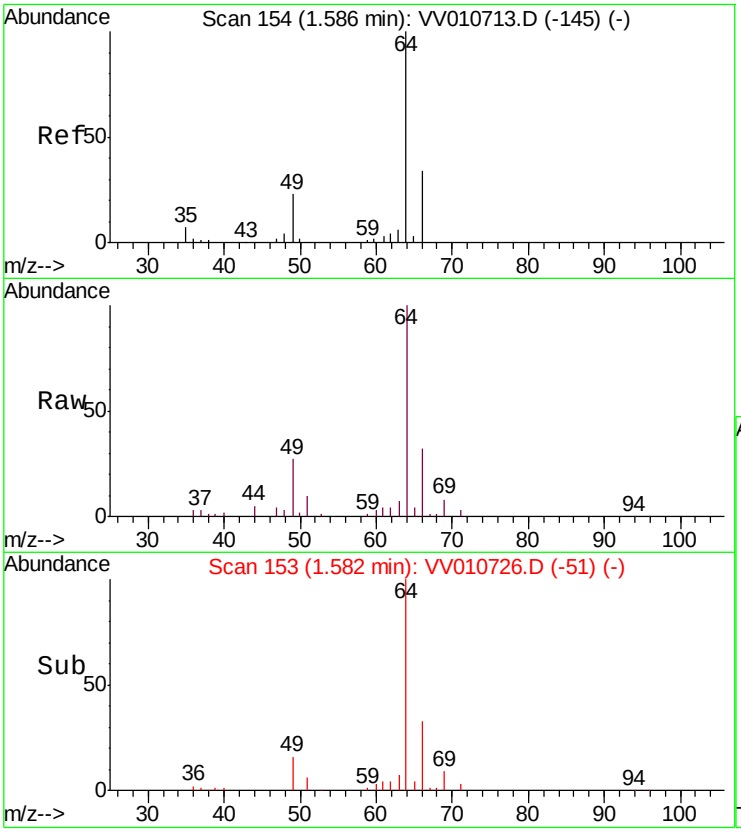


#6
Bromomethane
Concen: 31.824 ug/L
RT: 1.51 min Scan# 131
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 94 Resp: 30134

Ion	Ratio	Lower	Upper
94	100		
96	94.9	9.4	179.0



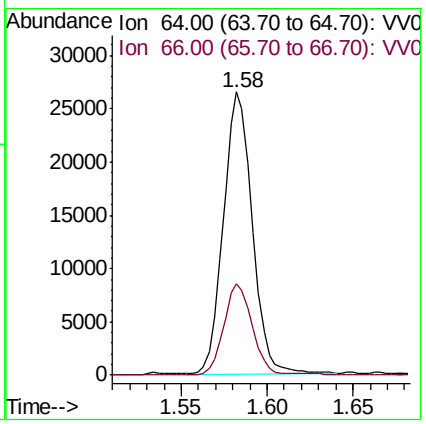


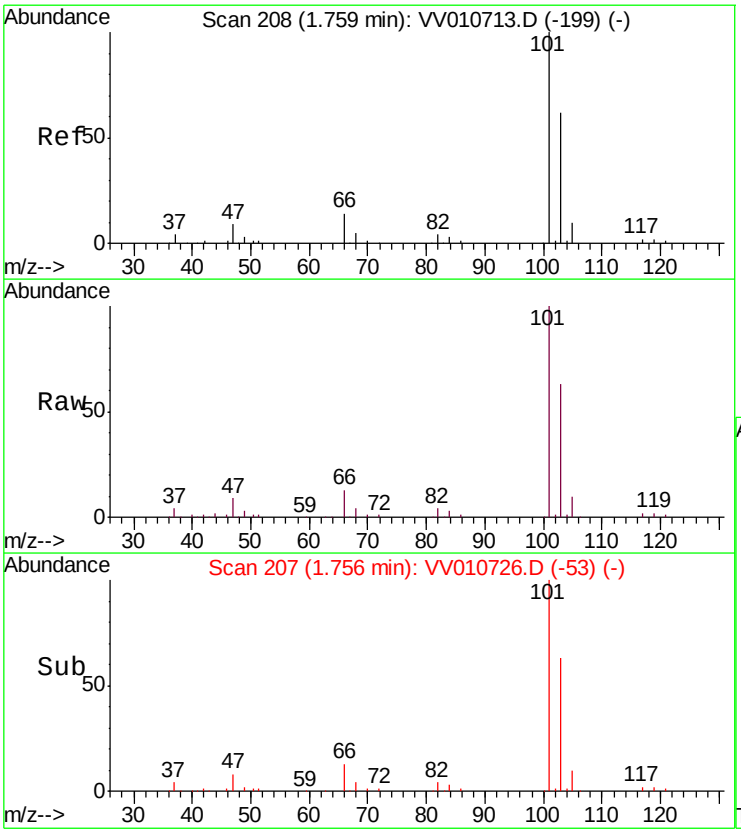
#8
Chloroethane
Concen: 25.772 ug/L
RT: 1.58 min Scan# 153
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 64 Resp: 31338

Ion	Ratio	Lower	Upper
64	100		
66	32.4	21.8	40.4

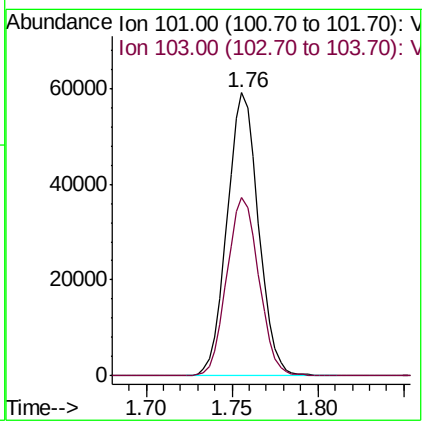


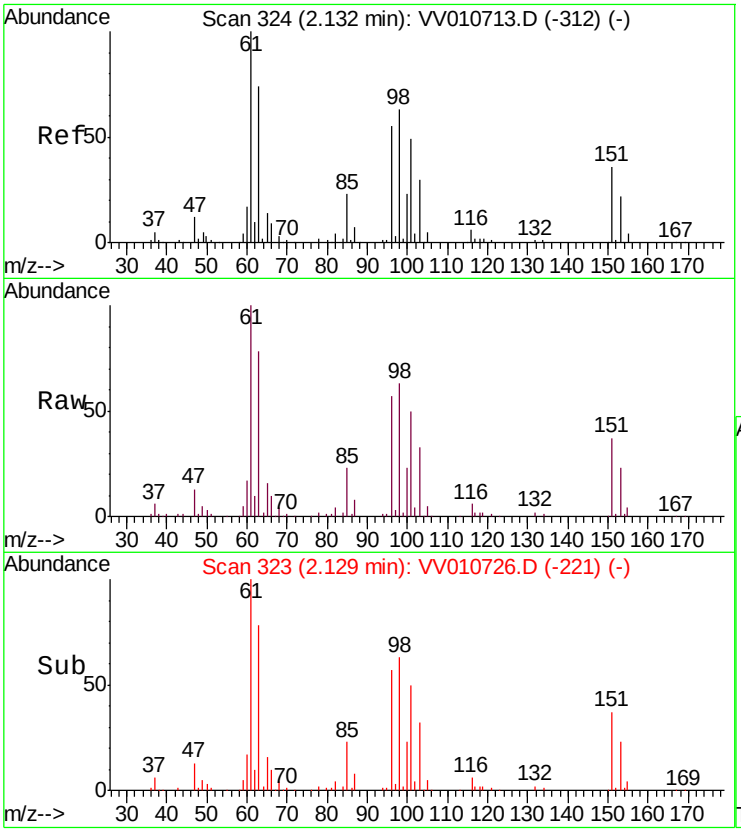


#9
Trichlorofluoromethane
Concen: 25.542 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion:101 Resp: 75074

Ion	Ratio	Lower	Upper
101	100		
103	64.2	44.7	82.9



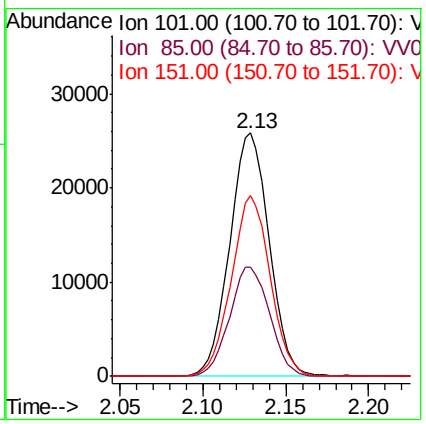


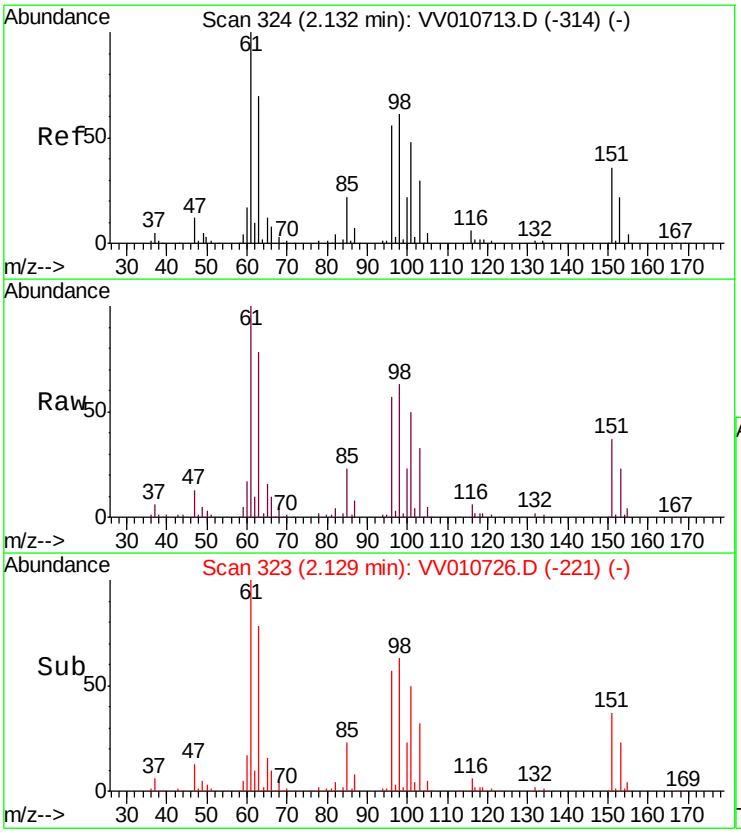
#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 25.476 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion:101 Resp: 42750

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.0	54.0
151	73.1	58.5	87.7

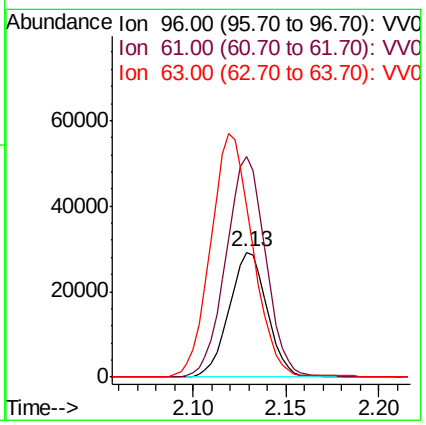


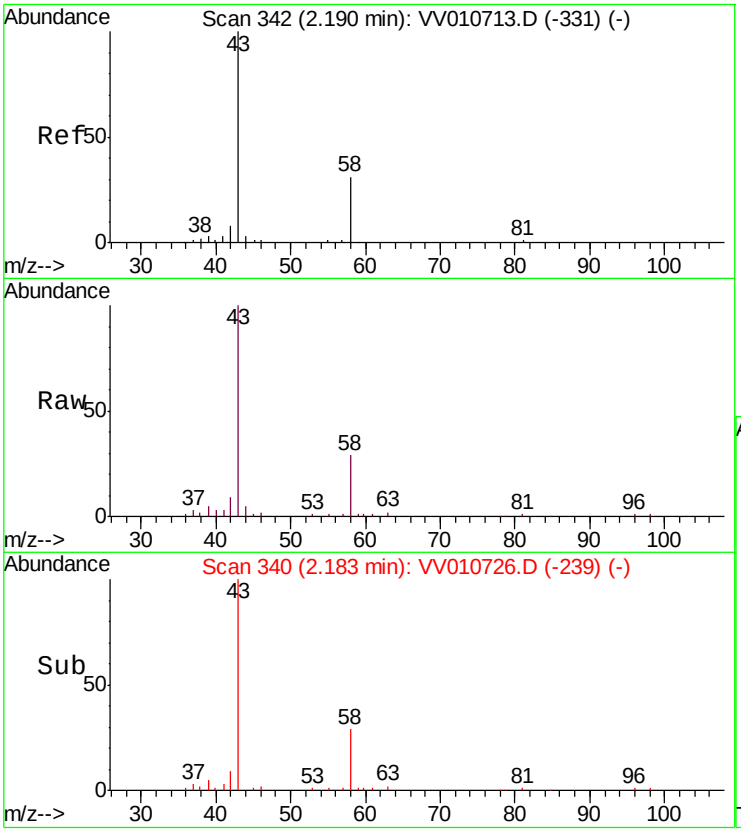


#12
1,1-Dichloroethene
Concen: 26.329 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 96 Resp: 41370

Ion	Ratio	Lower	Upper
96	100		
61	176.2	120.3	223.3
63	136.6	82.9	153.9



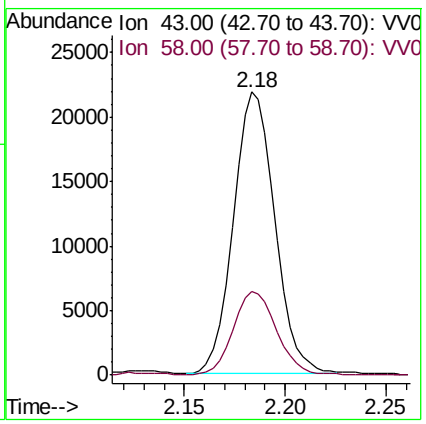


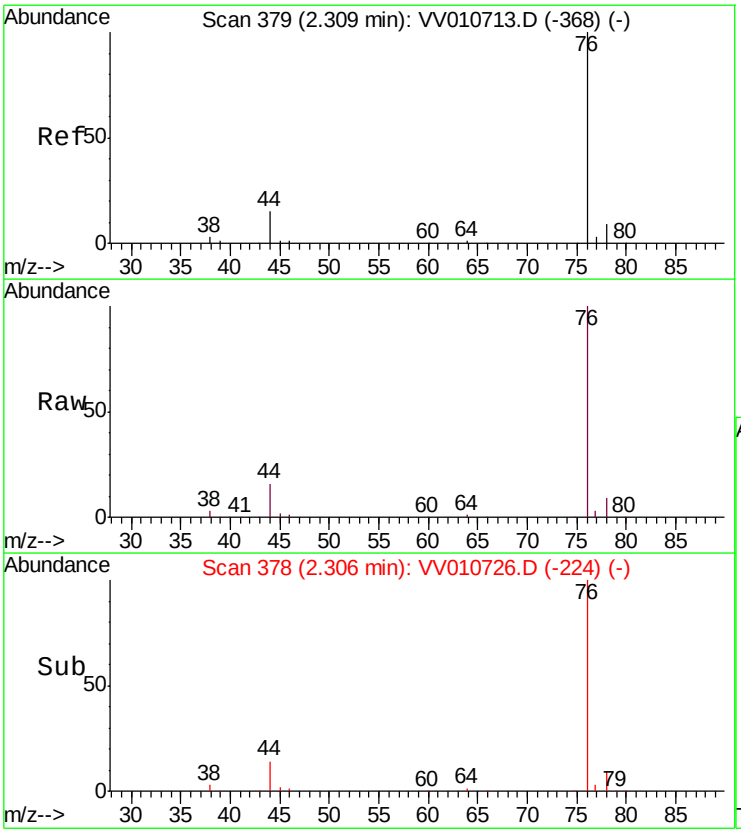
#13
Acetone
Concen: 43.774 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.01 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument : MSVOA_V
ClientSampleId : VSTD02588

Tgt Ion: 43 Resp: 31531

Ion	Ratio	Lower	Upper
43	100		
58	31.2	0.0	63.4

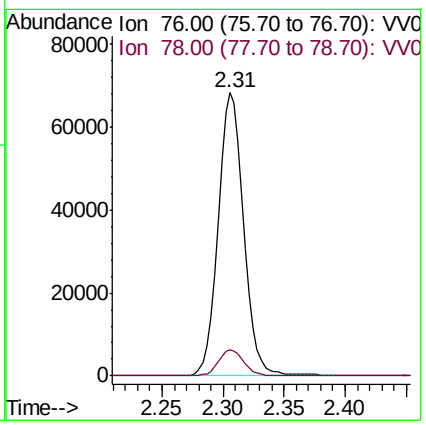


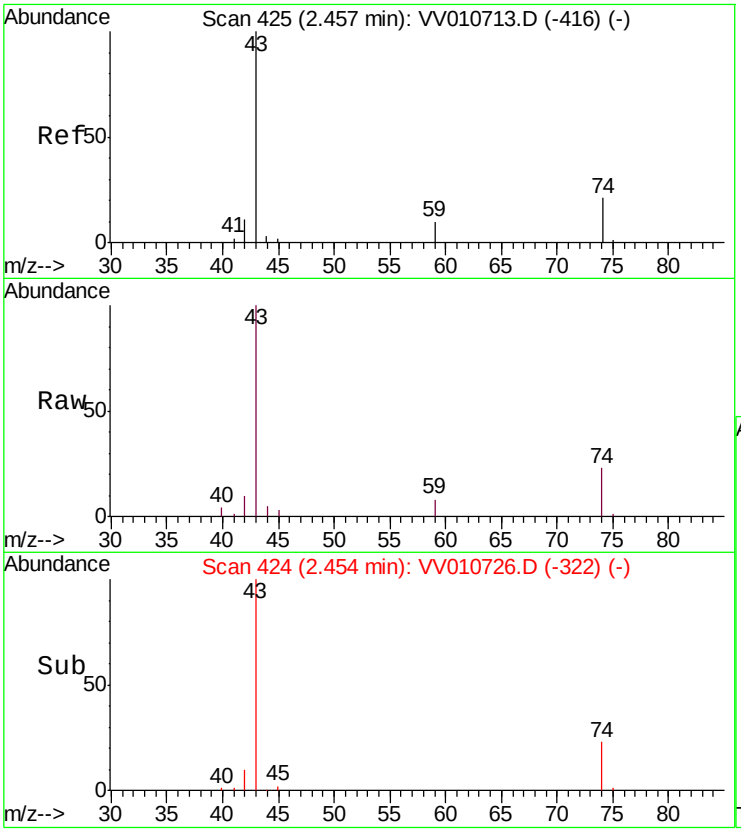


#14
Carbon disulfide
Concen: 26.095 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 76 Resp: 100762

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.8



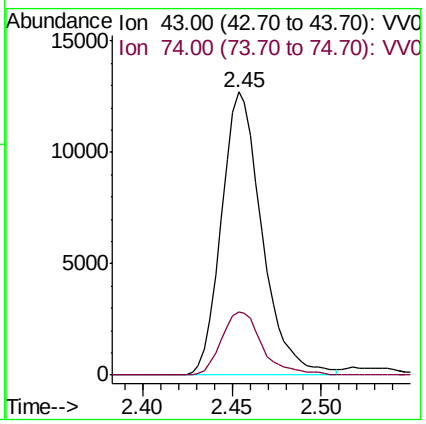


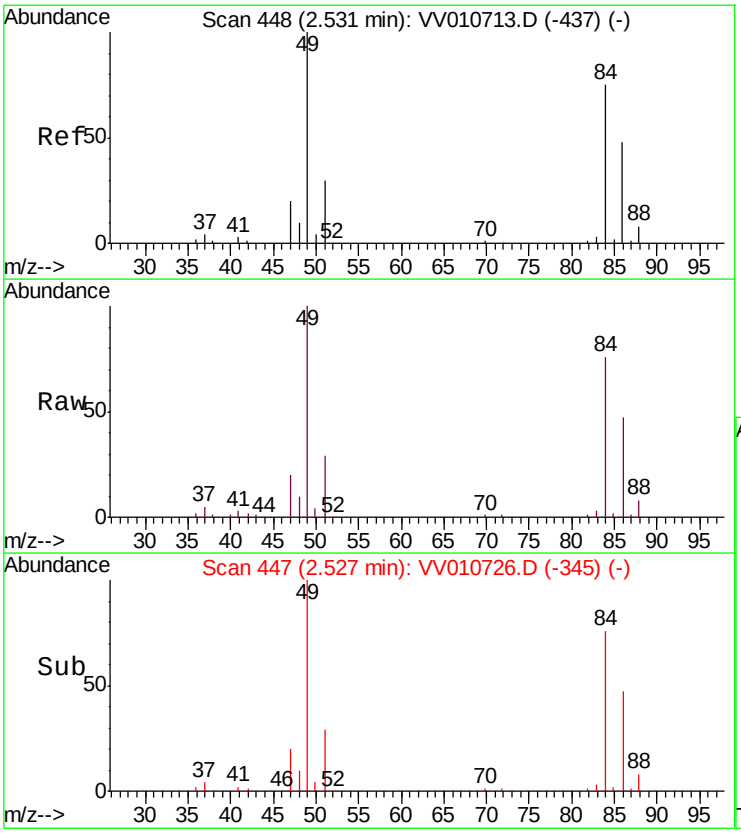
#15
Methyl Acetate
Concen: 23.343 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 43 Resp: 20087

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.0	25.4

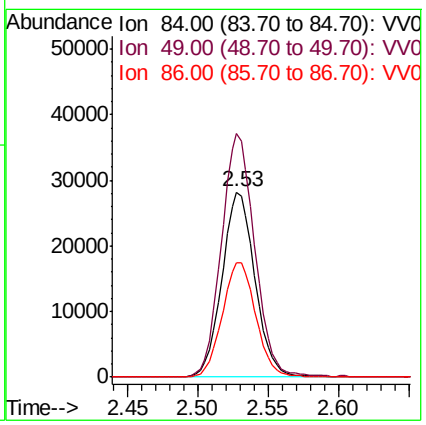


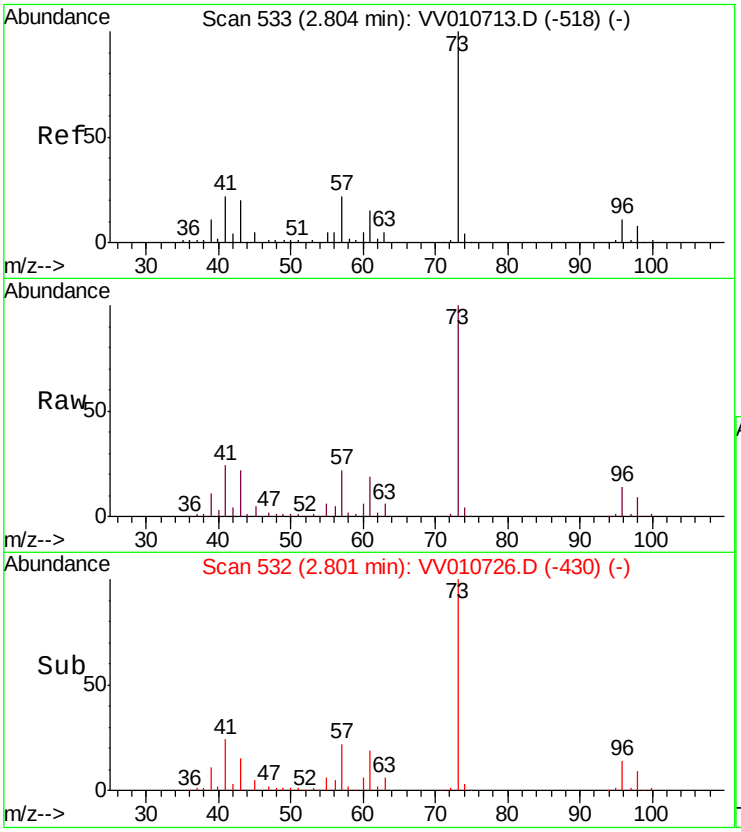


#16
Methylene chloride
Concen: 29.857 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 84 Resp: 46077

Ion	Ratio	Lower	Upper
84	100		
49	131.8	92.9	172.5
86	61.9	46.5	86.5



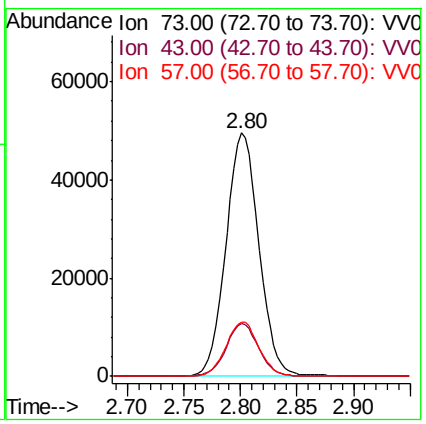


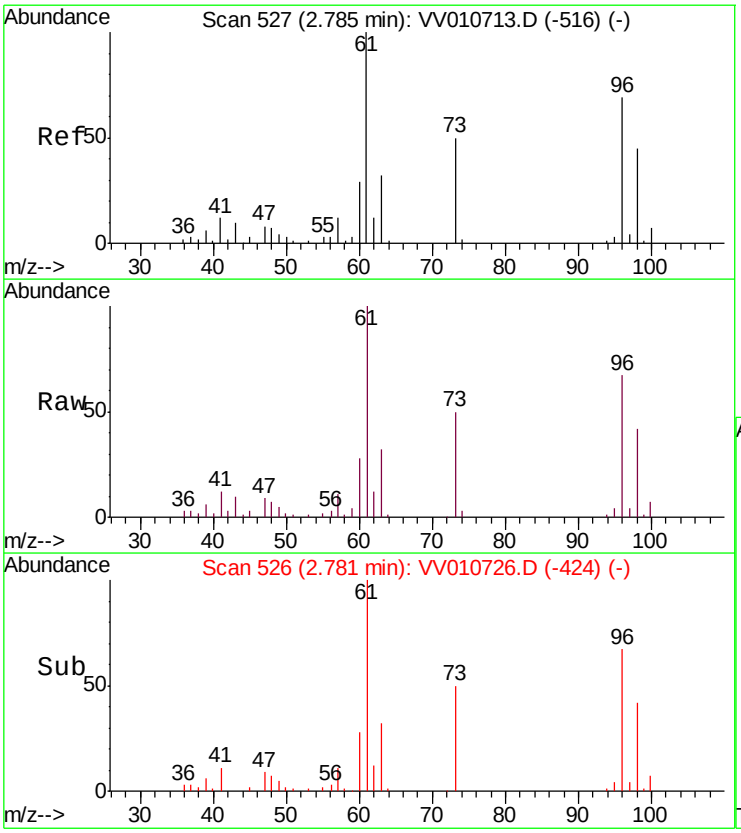
#17
Methyl tert-butyl Ether
Concen: 25.568 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 73 Resp: 100597

Ion	Ratio	Lower	Upper
73	100		
43	21.7	16.6	25.0
57	22.2	17.4	26.2

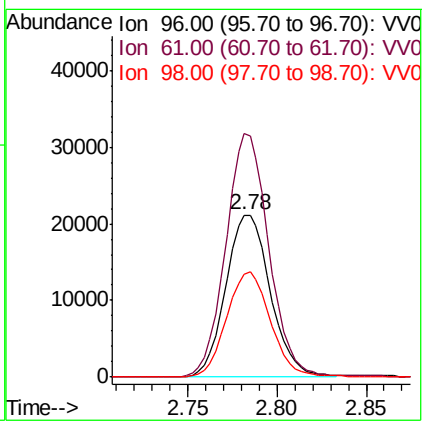


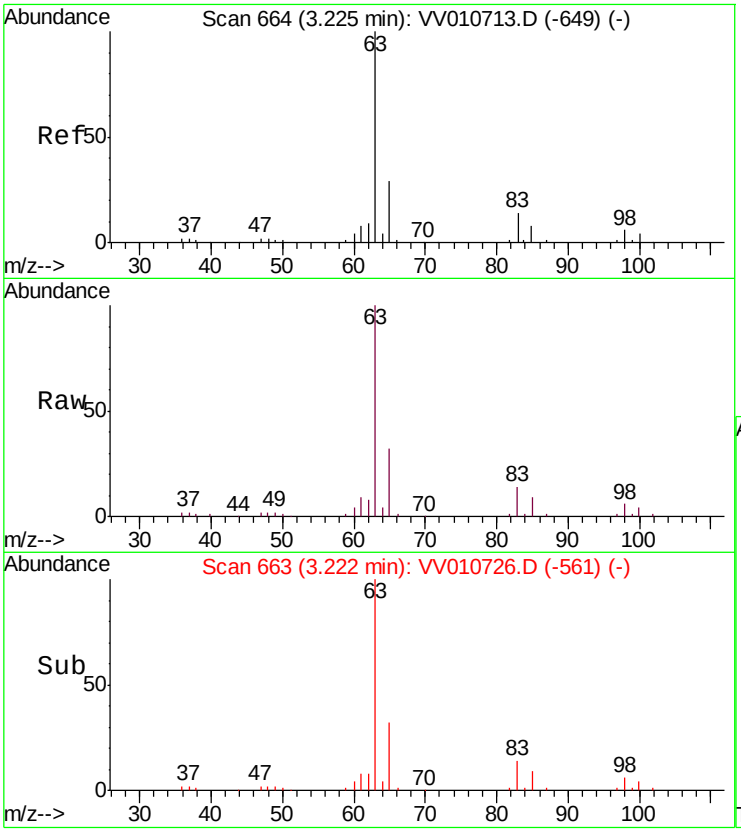


#18
trans-1,2-Dichloroethene
Concen: 25.987 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 96 Resp: 36910

Ion	Ratio	Lower	Upper
96	100		
61	150.0	102.8	190.8
98	63.7	44.0	81.6



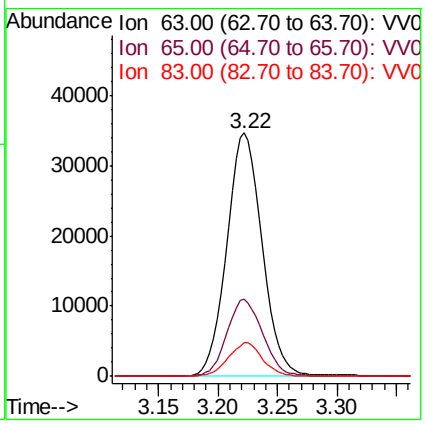


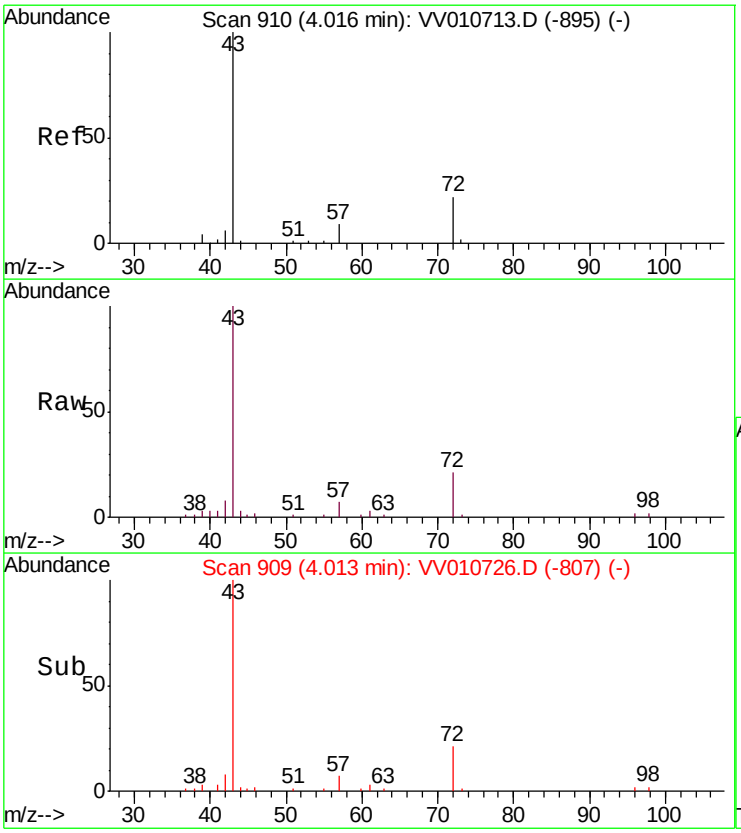
#19
1,1-Dichloroethane
Concen: 26.098 ug/L
RT: 3.22 min Scan# 663
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument : MSVOA_V
ClientSampleId : VSTD02588

Tgt Ion: 63 Resp: 71562

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.5	41.7
83	13.6	10.3	19.1

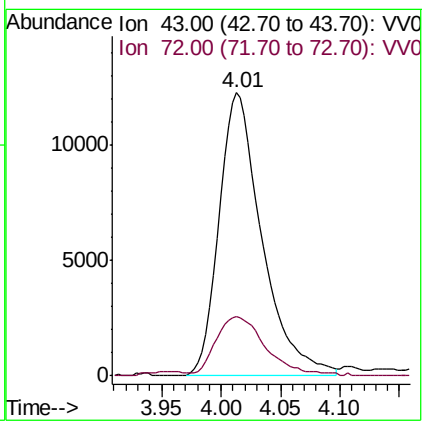


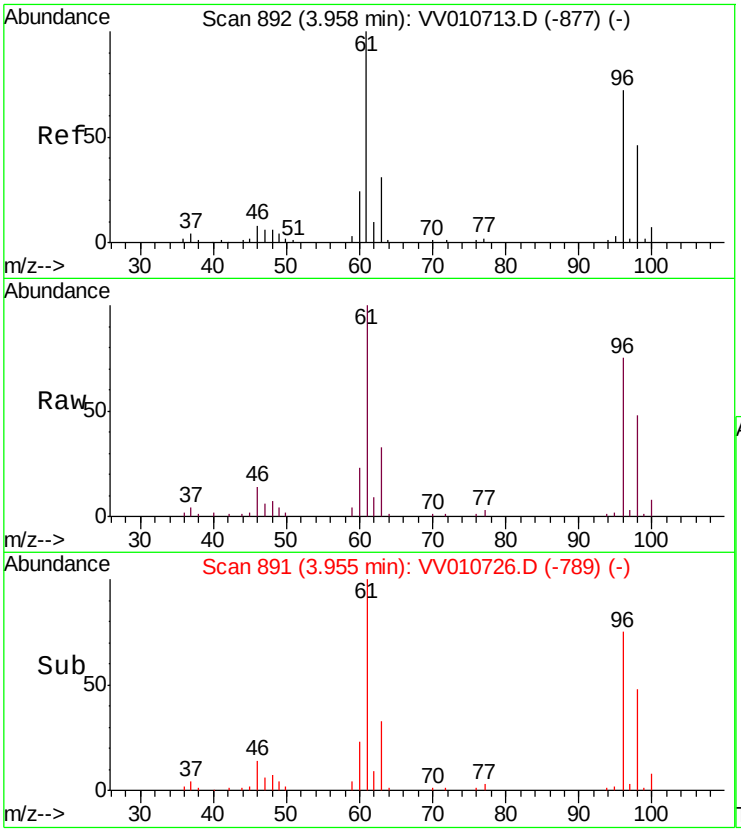


#21
2-Butanone
Concen: 45.052 ug/L
RT: 4.01 min Scan# 909
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion: 43 Resp: 30756

Ion	Ratio	Lower	Upper
43	100		
72	22.7	11.2	33.6



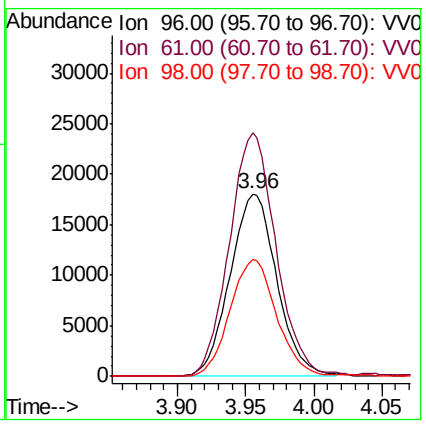


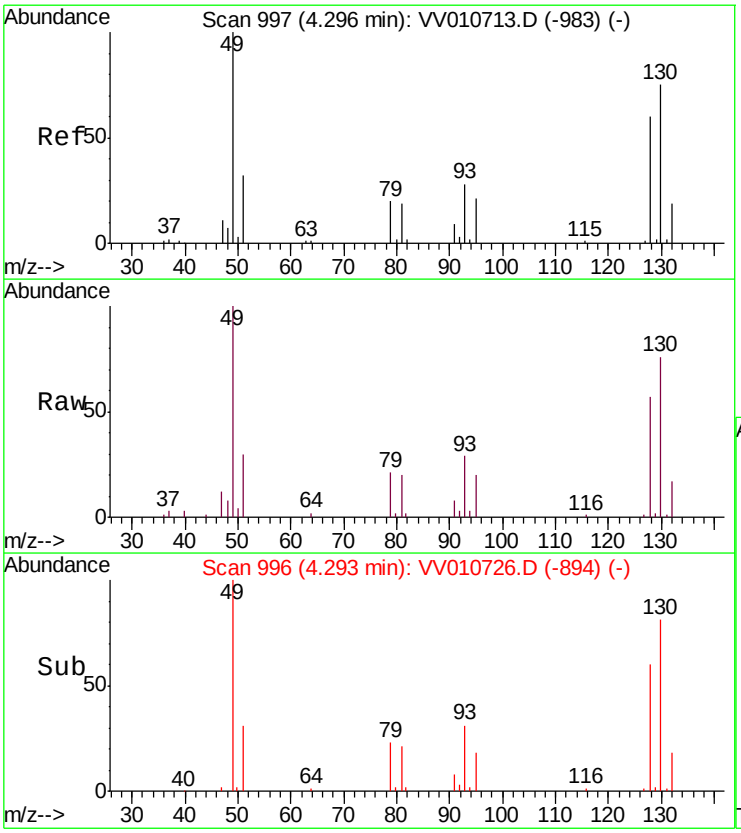
#22
cis-1,2-Dichloroethene
Concen: 26.472 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 96 Resp: 42951

Ion	Ratio	Lower	Upper
96	100		
61	133.3	93.9	174.5
98	63.8	46.5	86.5





#23
Bromochloromethane
Concen: 26.120 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV010726.D
Acq: 08 May 2019 13:23

Tgt Ion:128 Resp: 19050

Ion	Ratio	Lower	Upper
128	100		
49	176.7	122.6	227.8
130	134.2	84.0	156.0
51	53.7	45.0	67.4