Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111319\

Quantitation Report (Not Reviewed)

Data File : VV013600.D
Acq On : 13 Nov 2019 10:26
Operator : SY/MD
Sample : VSTD00532
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD00532

Quant Time: Nov 14 04:53:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 04:50:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.70	114	436077	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.91	117	421704	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	223040	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.34	65	145262	7.14	ug/L		0.00
7) Chloroethane-d5	1.61	69	113232	6.50	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.16	63	239898	6.25	ug/L		0.00
20) 2-Butanone-d5	4.04	46	257368	41.29	ug/L		0.00
24) Chloroform-d	4.43	84	246433	5.19	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.10	65	115346	4.74	ug/L		0.00
32) Benzene-d6	5.11	84	497996	5.70	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.17	67	171493	5.79	ug/L		0.00
41) Toluene-d8	7.39	98	549155	6.88	ug/L		0.00
43) trans-1,3-Dichloropropene-	7.69	79	63710	5.67	ug/L		0.00
46) 2-Hexanone-d5	8.16	63	265054	58.13	ug/L		0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	123758	5.34	ug/L		0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	196953	5.24	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.16	85	193110	4.631	ug/L		100
3) Chloromethane	1.28	50	177577	4.717	ug/L		100
5) Vinyl chloride	1.35	62	167722	4.668	ug/L		100
6) Bromomethane	1.56	94	93507	4.843	ug/L		100
8) Chloroethane	1.63	64	92350	4.646	ug/L		100
9) Trichlorofluoromethane	1.79	101	224421	4.644	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	2.16	101	127777	4.691	ug/L		100
12) 1,1-Dichloroethene	2.17	96	117133	4.559	ug/L		100
13) Acetone	2.29	43	142406	37.574	ug/L		100
14) Carbon disulfide	2.35	76	337726	4.393	ug/L		100
15) Methyl Acetate	2.52	43	29338	2.681	ug/L	#	87
16) Methylene chloride	2.57	84	120076	3.692	ug/L		100
17) Methyl tert-butyl Ether	2.86	73	278298	4.173	ug/L		100
18) trans-1,2-Dichloroethene	2.82	96	128239	4.112	ug/L		100
19) 1,1-Dichloroethane	3.26	63	222364	3.874	ug/L		100
21) 2-Butanone	4.12	43	271669	39.818	ug/L		100
22) cis-1,2-Dichloroethene	3.99	96	142148	4.377	ug/L		100
23) Bromochloromethane	4.33	128	62470	4.179	ug/L		100
25) Chloroform	4.45	83	253287	3.987	ug/L		100
27) 1,2-Dichloroethane	5.20	62	166121	4.735	ug/L		100
29) 1,1,1-Trichloroethane	4.67	97	204744	4.113	ug/L		100
30) Cyclohexane	4.73	56	201248	4.045	ug/L		100
31) Carbon tetrachloride	4.88	117	185849	4.151	ug/L		100
33) Benzene	5.15	78	606723	4.715	ug/L		100
34) Trichloroethene	6.00	95	154177	4.475	ug/L		100
35) Methylcyclohexane	6.22	83	228493	4.413	ug/L		100
37) 1,2-Dichloropropane	6.27	63	148558	4.713	ug/L	#	96
38) Bromodichloromethane	6.60	83	192765	4.726	ug/L		100
39) cis-1,3-Dichloropropene	7.11	75	196264	4.508	ug/L		100
40) 4-Methyl-2-pentanone	7.31	43	817985	45.784	ug/L		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111319\

Quantitation Report (Not Reviewed)

Data File : VV013600.D
Acq On : 13 Nov 2019 10:26
Operator : SY/MD
Sample : VSTD00532
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD00532

Quant Time: Nov 14 04:53:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 04:50:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.46	91	653035	4.886	ug/L	100
44) trans-1,3-Dichloropropene	7.72	75	160979	4.660	ug/L	100
45) 1,1,2-Trichloroethane	7.91	97	103322	4.755	ug/L	100
47) Tetrachloroethene	8.04	164	142079	4.689	ug/L	100
48) 2-Hexanone	8.21	43	625510	48.847	ug/L	100
49) Dibromochloromethane	8.31	129	129229	4.763	ug/L	100
50) 1,2-Dibromoethane	8.41	107	95451	4.713	ug/L	100
51) Chlorobenzene	8.94	112	407988	4.620	ug/L	100
52) Ethylbenzene	9.07	91	653659	4.599	ug/L	100
53) m,p-xylene	9.19	106	258703	4.856	ug/L	100
54) o-xylene	9.59	106	235786	4.636	ug/L	100
55) Styrene	9.61	104	434778	5.002	ug/L	100
56) Isopropylbenzene	9.98	105	645690	4.706	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	115382	4.941	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	86922	4.638	ug/L	100
61) Bromoform	9.78	173	75699	4.784	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	338118	4.599	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	336200	4.558	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	309813	4.583	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	17125	4.843	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	262101	4.544	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	190181	4.184	ug/L	100
69) Naphthalene	13.55	128	228326	3.760	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	187935	4.374	ug/L	100

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

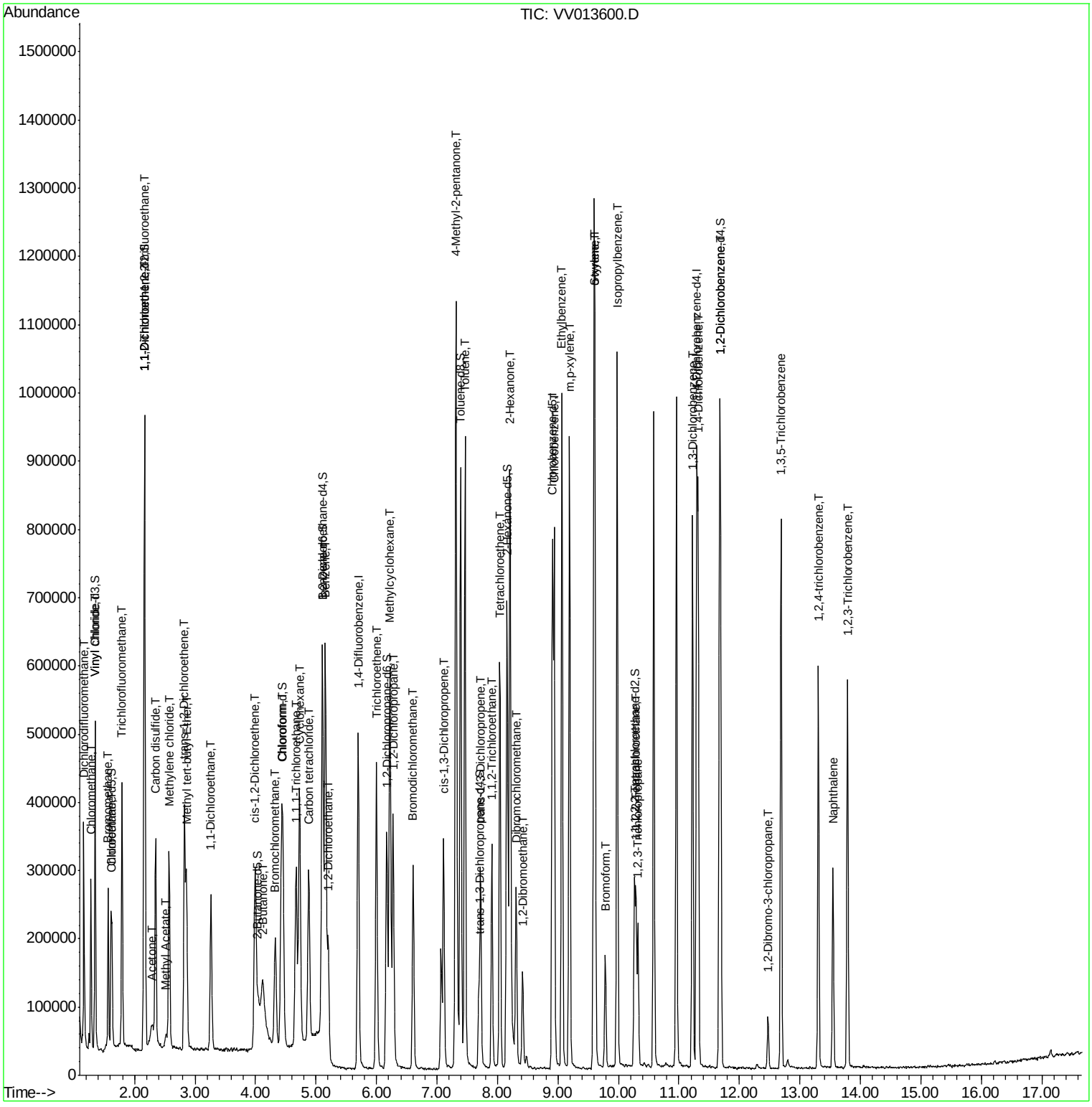
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111319\

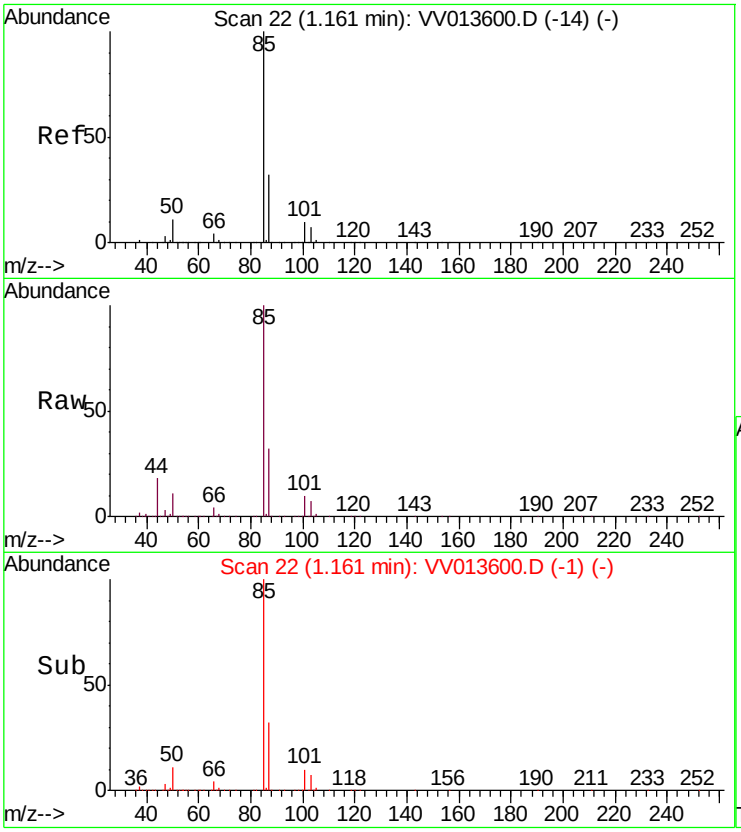
Quantitation Report (Not Reviewed)

Data File : VV013600.D
Acq On : 13 Nov 2019 10:26
Operator : SY/MD
Sample : VSTD00532
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Quant Time: Nov 14 04:53:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 04:50:27 2019
Response via : Initial Calibration



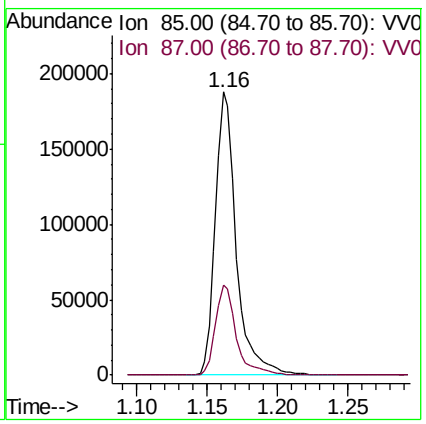


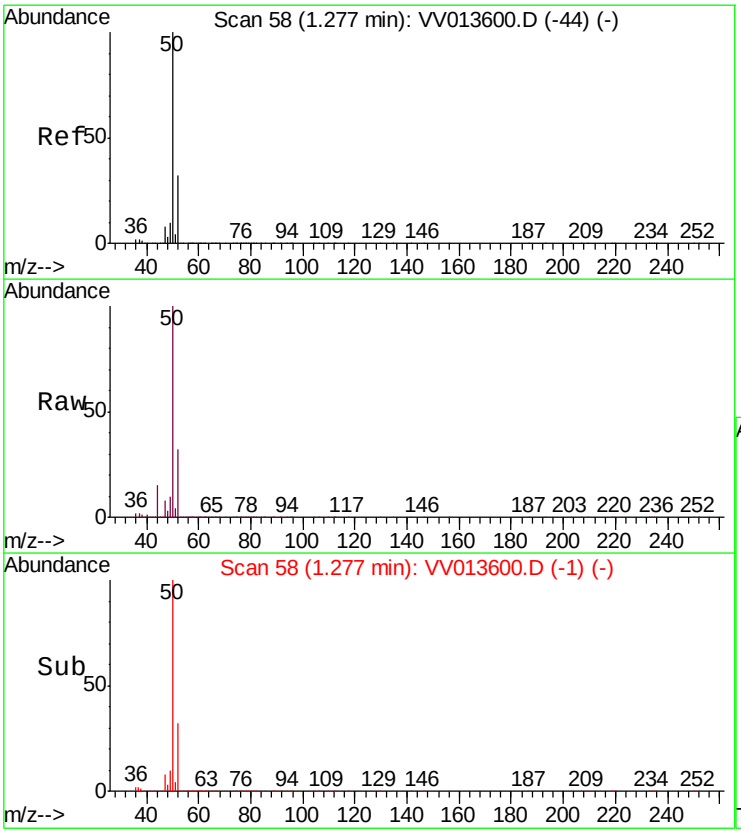
#2
Dichlorodifluoromethane
Concen: 4.631 ug/L
RT: 1.16 min Scan# 22
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument : MSVOA_V
ClientSampleId : VSTD00532

Tgt Ion: 85 Resp: 193110

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.5	38.3

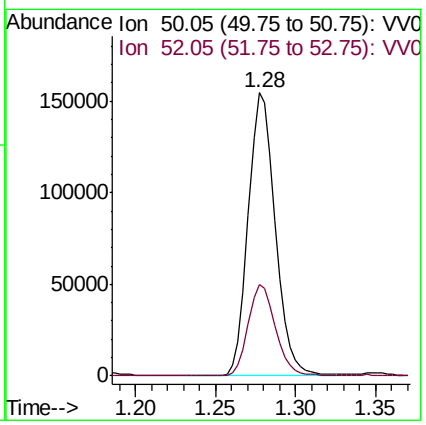


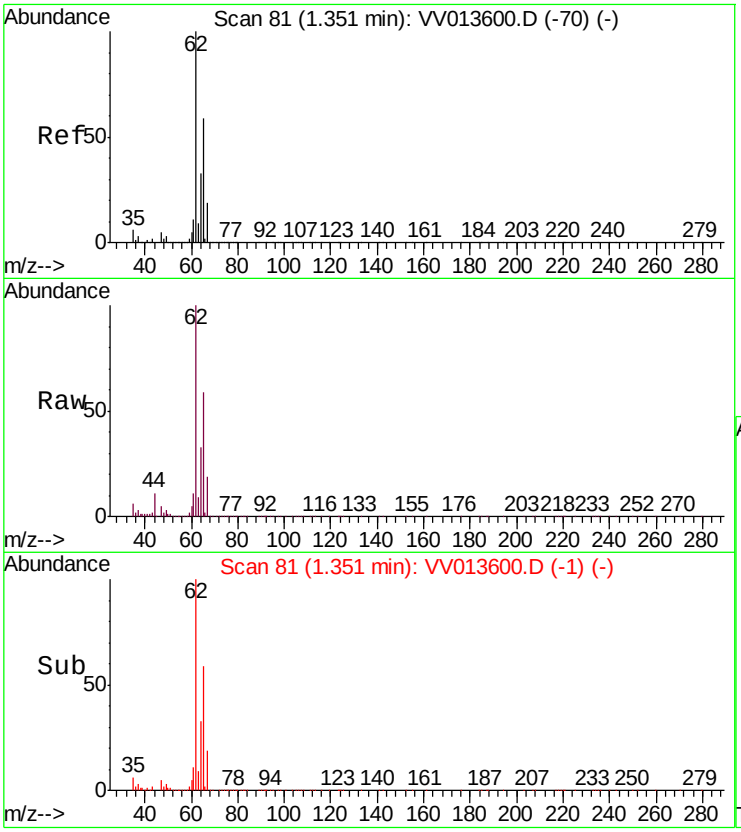


#3
Chloromethane
Concen: 4.717 ug/L
RT: 1.28 min Scan# 58
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 50 Resp: 177577

Ion	Ratio	Lower	Upper
50	100		
52	32.4	22.7	42.1



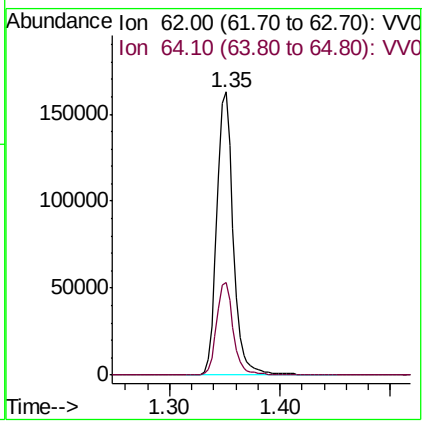


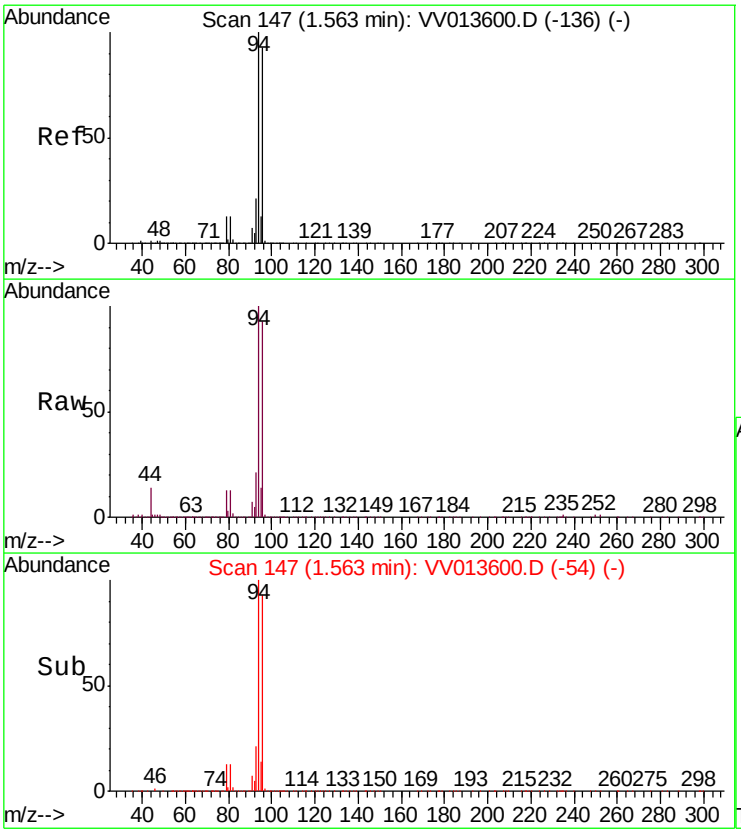
#5
Vinyl chloride
Concen: 4.668 ug/L
RT: 1.35 min Scan# 81
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 62 Resp: 167722

Ion	Ratio	Lower	Upper
62	100		
64	32.9	23.0	42.8

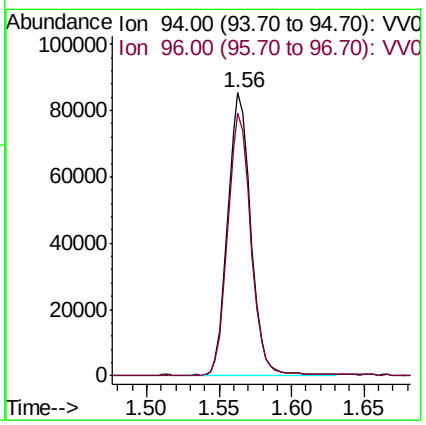


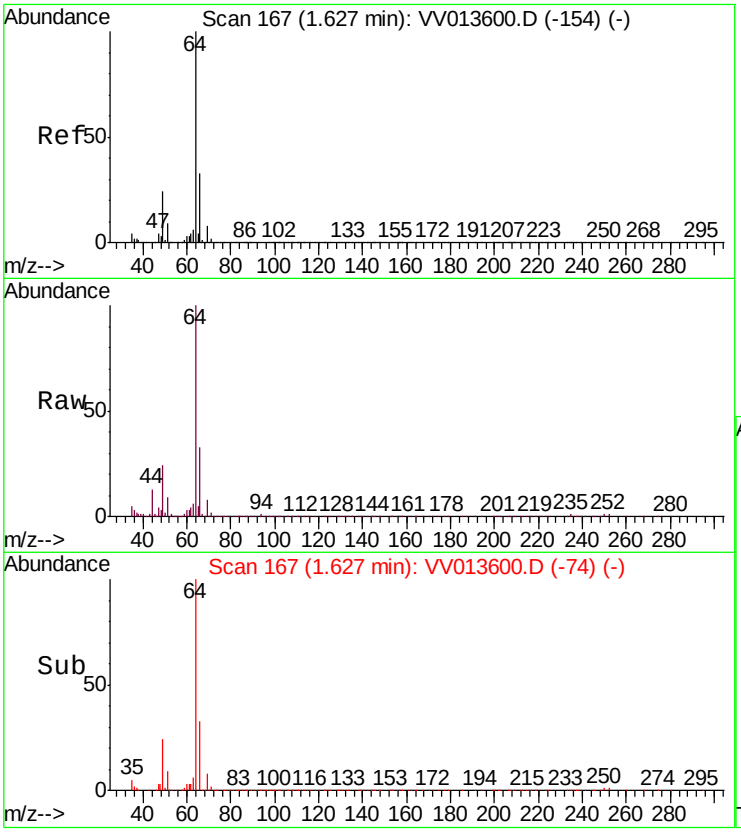


#6
Bromomethane
Concen: 4.843 ug/L
RT: 1.56 min Scan# 147
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 94 Resp: 93507

Ion	Ratio	Lower	Upper
94	100		
96	93.0	65.1	120.9



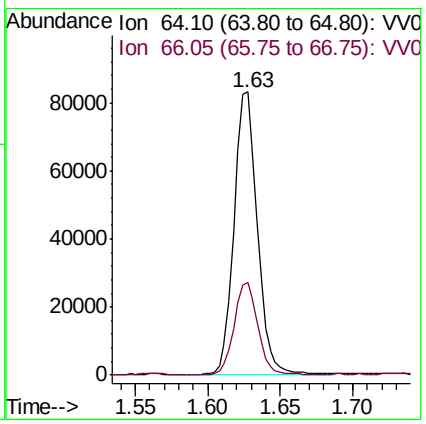


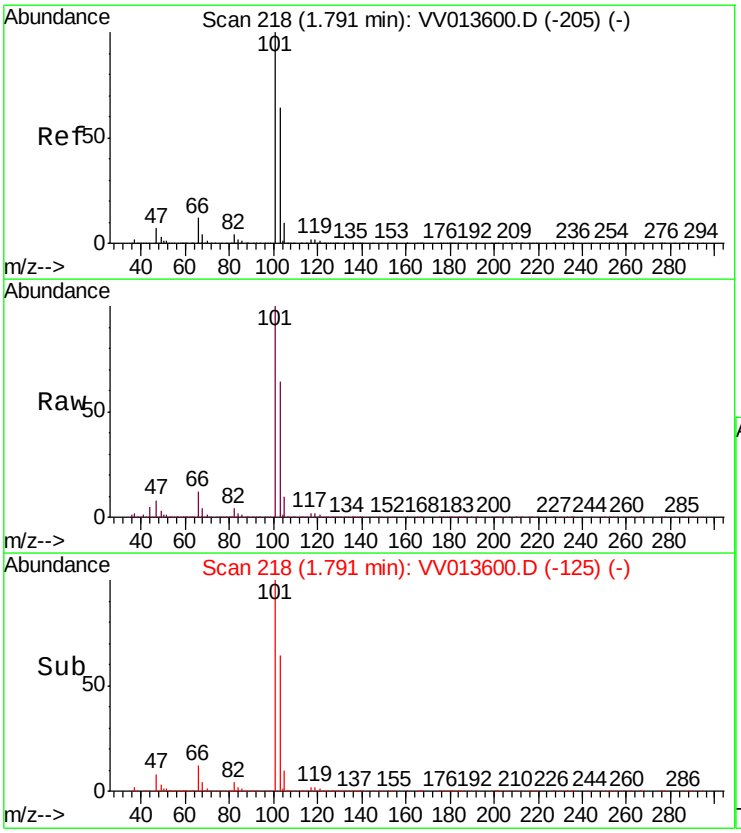
#8
Chloroethane
Concen: 4.646 ug/L
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 64 Resp: 92350

Ion	Ratio	Lower	Upper
64	100		
66	32.9	23.0	42.8

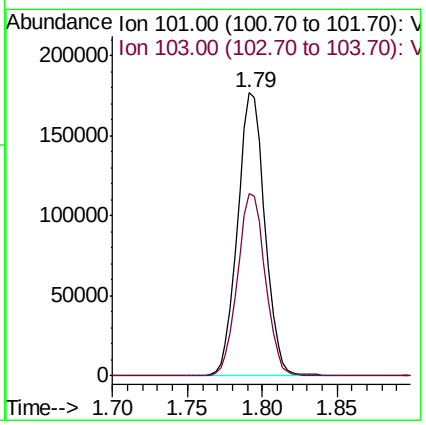


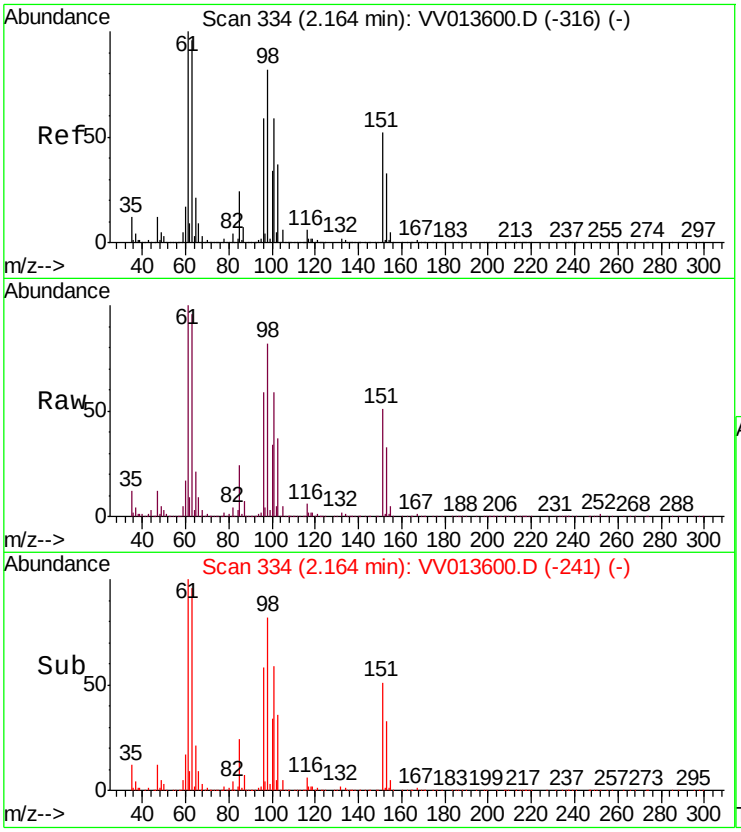


#9
Trichlorofluoromethane
Concen: 4.644 ug/L
RT: 1.79 min Scan# 218
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion:101 Resp: 224421

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8



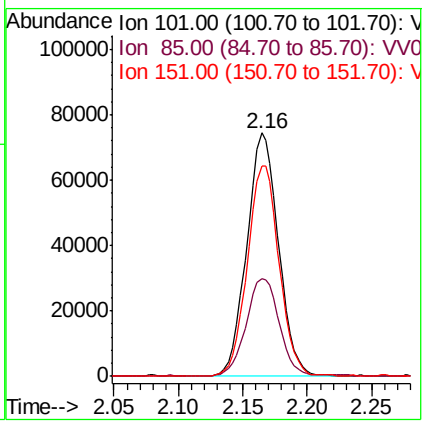


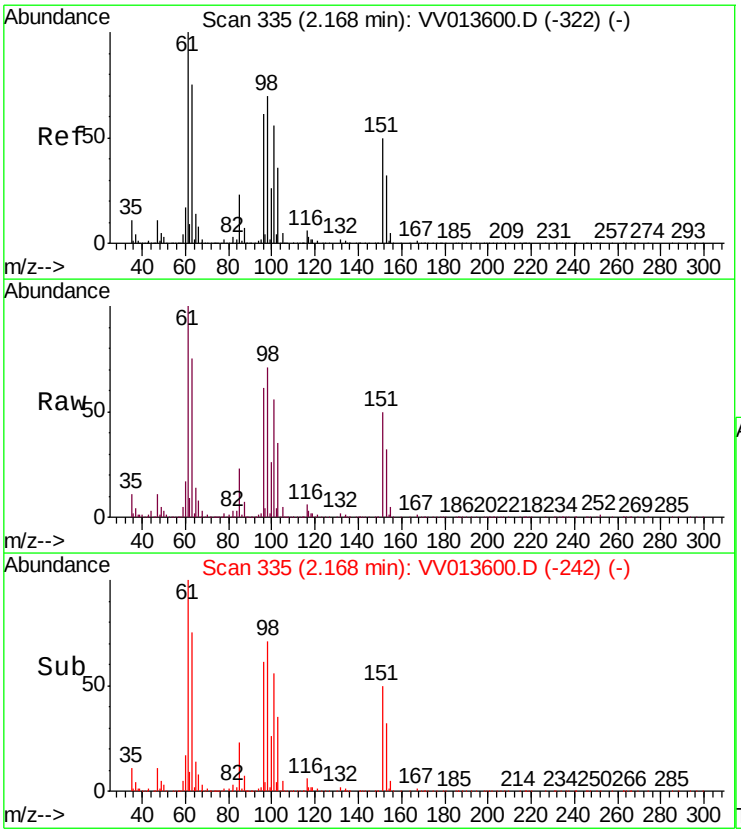
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.691 ug/L
RT: 2.16 min Scan# 334
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion:101 Resp: 127777

Ion	Ratio	Lower	Upper
101	100		
85	41.4	33.1	49.7
151	86.9	69.5	104.3

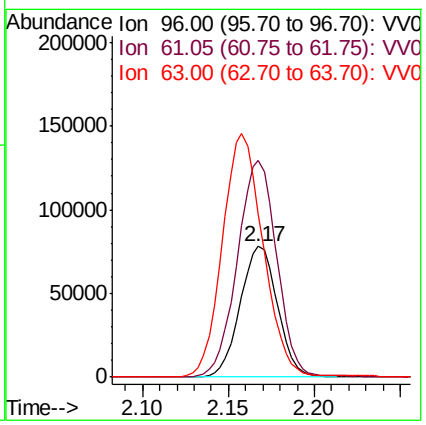


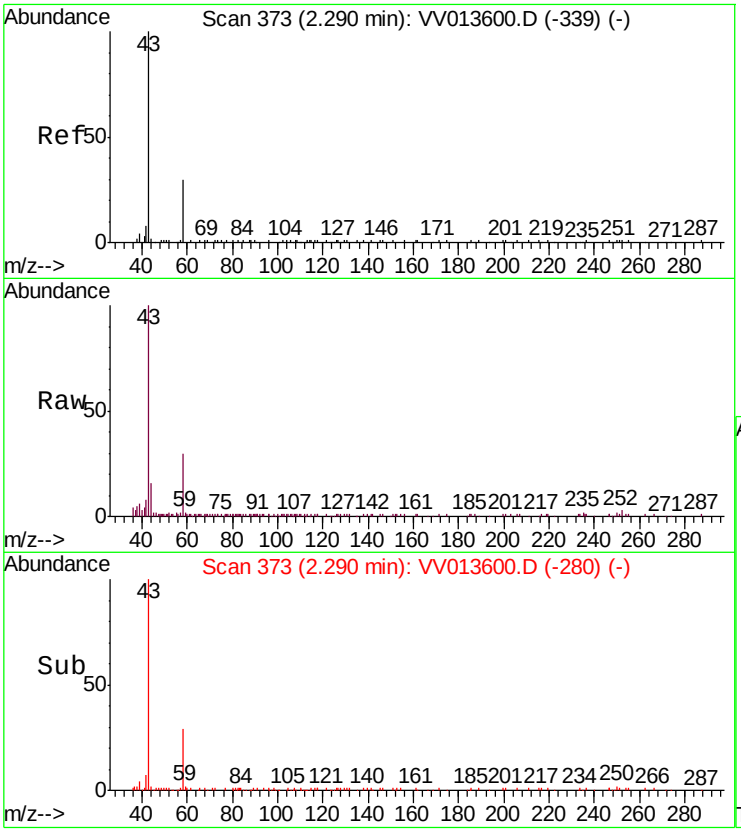


#12
1,1-Dichloroethene
Concen: 4.559 ug/L
RT: 2.17 min Scan# 335
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 96 Resp: 117133

Ion	Ratio	Lower	Upper
96	100		
61	165.1	115.6	214.6
63	124.6	87.2	162.0



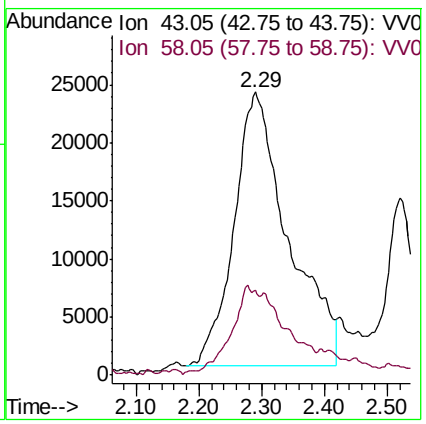


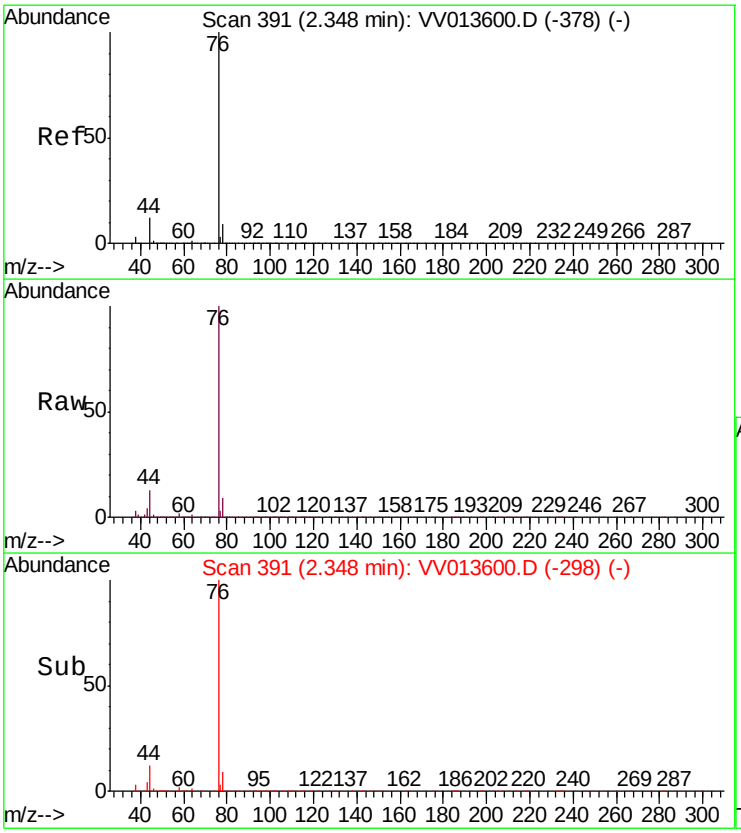
#13
Acetone
Concen: 37.574 ug/L
RT: 2.29 min Scan# 373
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument : MSVOA_V
ClientSampleId : VSTD00532

Tgt Ion: 43 Resp: 142406

Ion	Ratio	Lower	Upper
43	100		
58	14.4	0.0	28.8

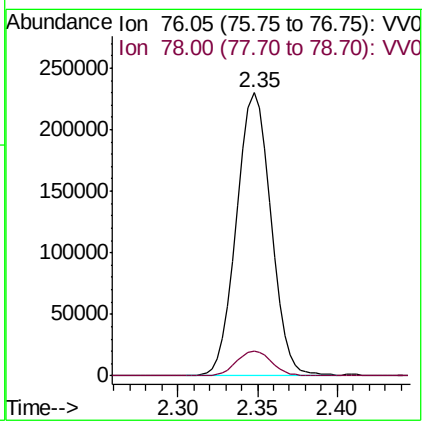


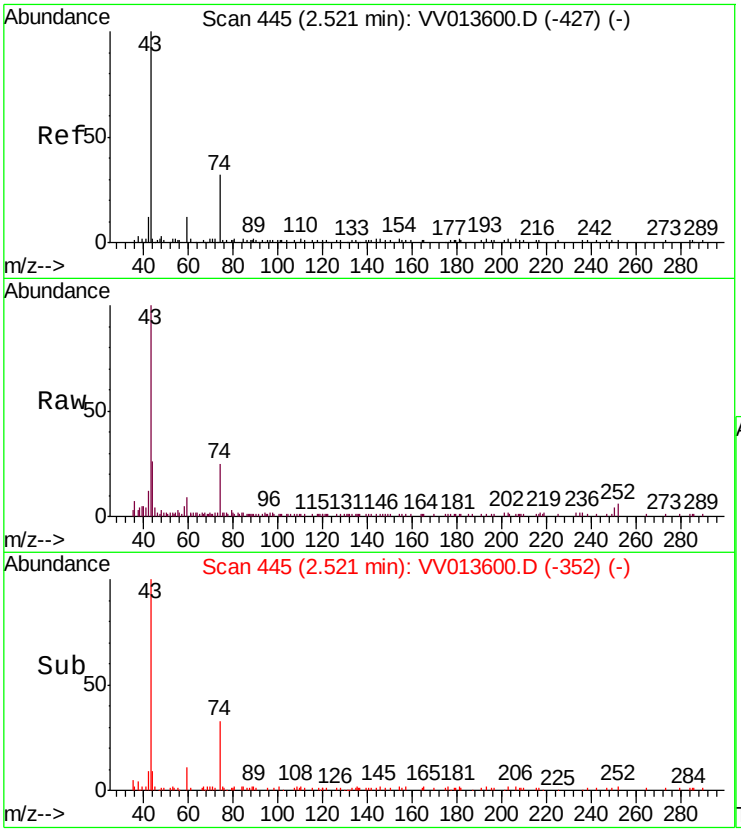


#14
Carbon disulfide
Concen: 4.393 ug/L
RT: 2.35 min Scan# 391
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 76 Resp: 337726

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6



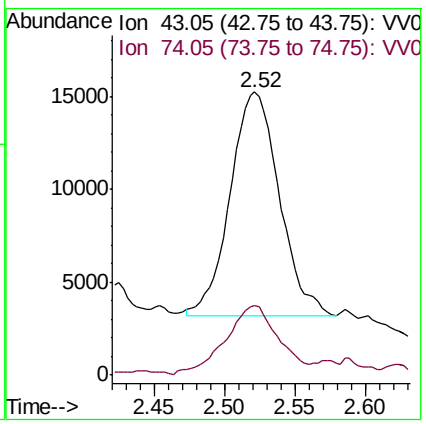


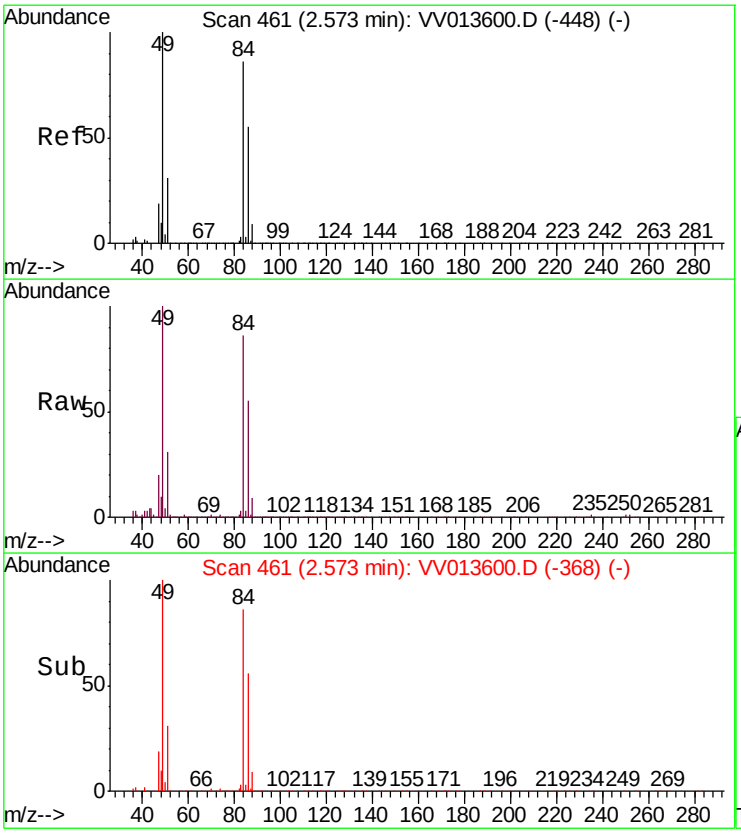
#15
Methyl Acetate
Concen: 2.681 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 43 Resp: 29338

Ion	Ratio	Lower	Upper
43	100		
74	34.1	21.9	32.9#

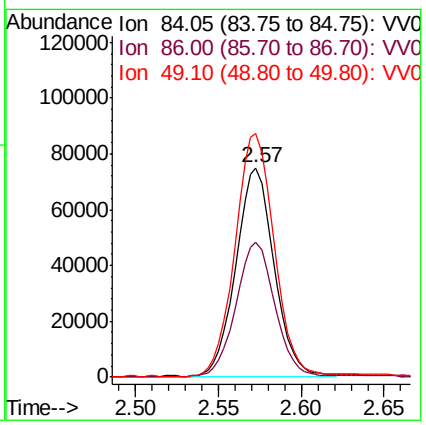


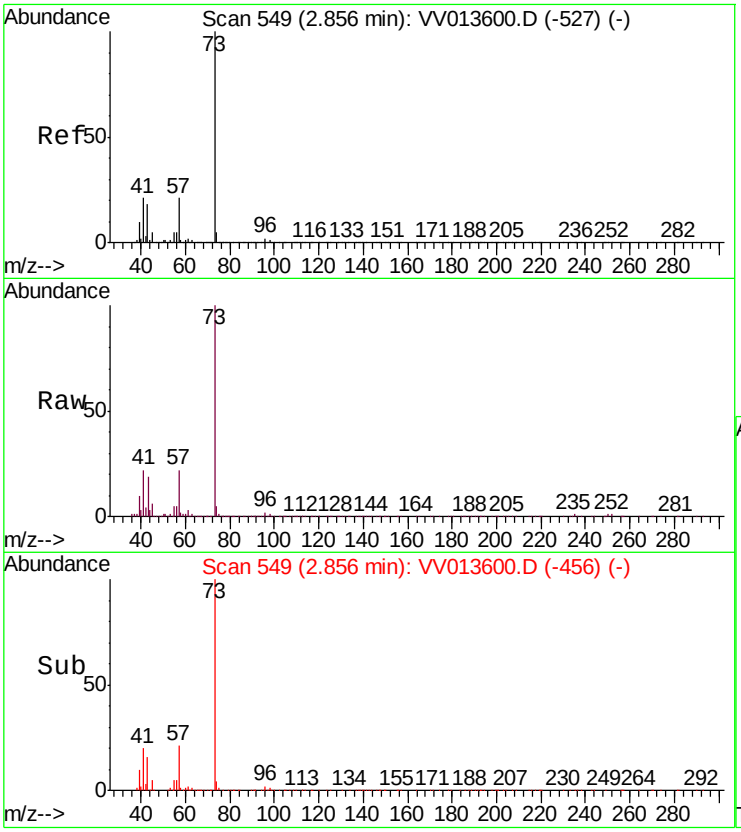


#16
Methylene chloride
Concen: 3.692 ug/L
RT: 2.57 min Scan# 461
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 84 Resp: 120076

Ion	Ratio	Lower	Upper
84	100		
86	64.5	45.1	83.9
49	116.3	81.4	151.2



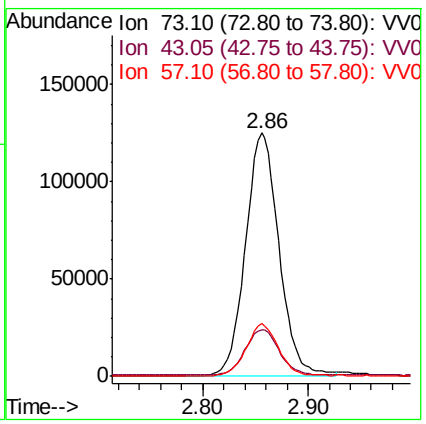


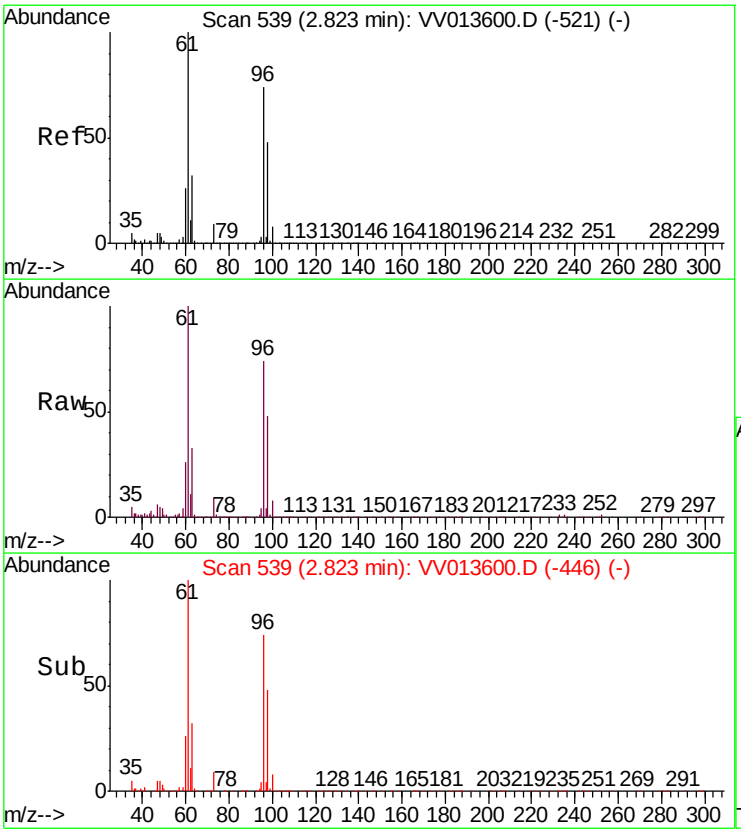
#17
Methyl tert-butyl Ether
Concen: 4.173 ug/L
RT: 2.86 min Scan# 549
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument : MSVOA_V
ClientSampleId : VSTD00532

Tgt Ion: 73 Resp: 278298

Ion	Ratio	Lower	Upper
73	100		
43	18.5	14.8	22.2
57	20.4	16.3	24.5

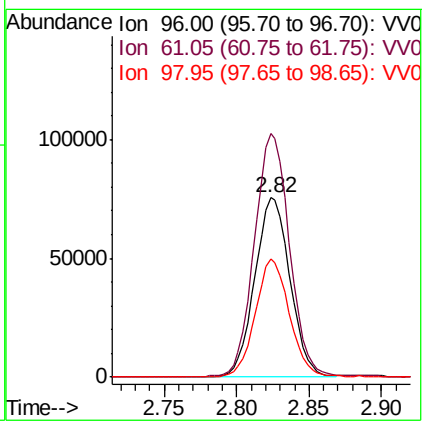


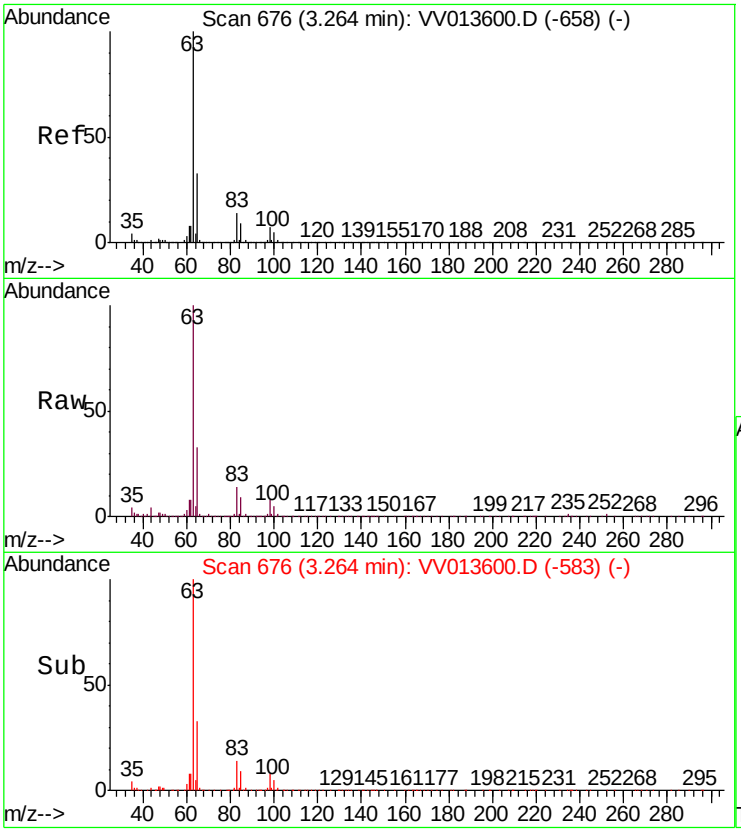


#18
trans-1,2-Dichloroethene
Concen: 4.112 ug/L
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 96 Resp: 128239

Ion	Ratio	Lower	Upper
96	100		
61	136.0	95.2	176.8
98	65.9	46.1	85.7



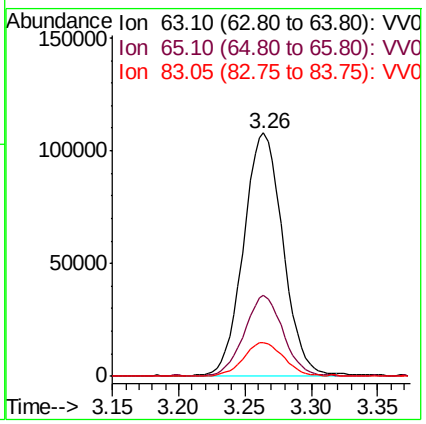


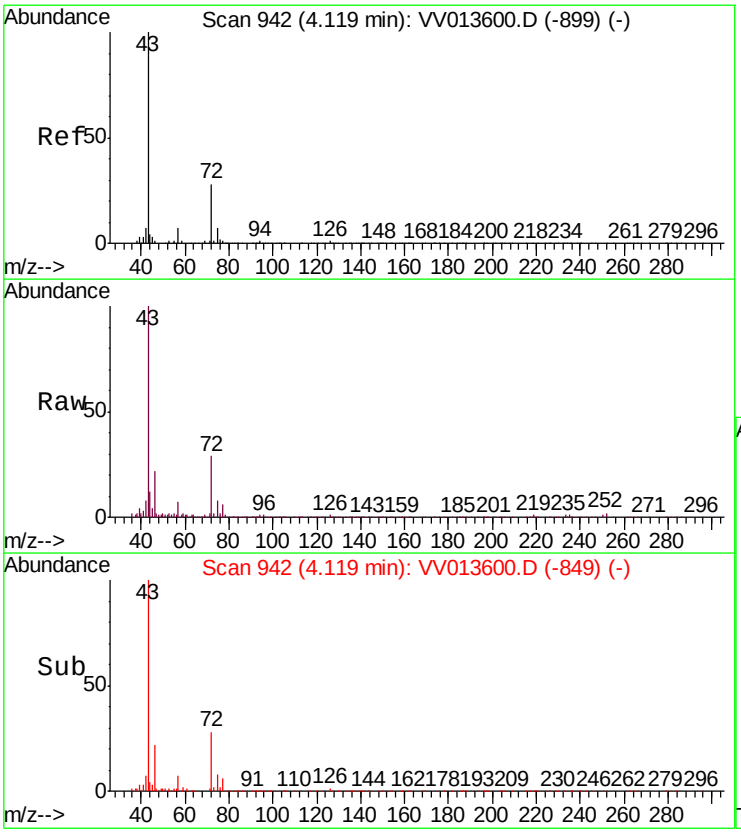
#19
1,1-Dichloroethane
Concen: 3.874 ug/L
RT: 3.26 min Scan# 676
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 63 Resp: 222364

Ion	Ratio	Lower	Upper
63	100		
65	33.4	23.4	43.4
83	14.1	9.9	18.3

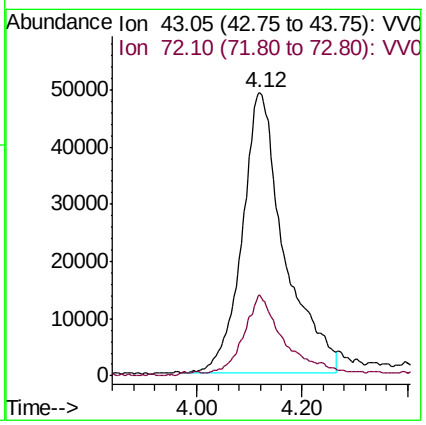


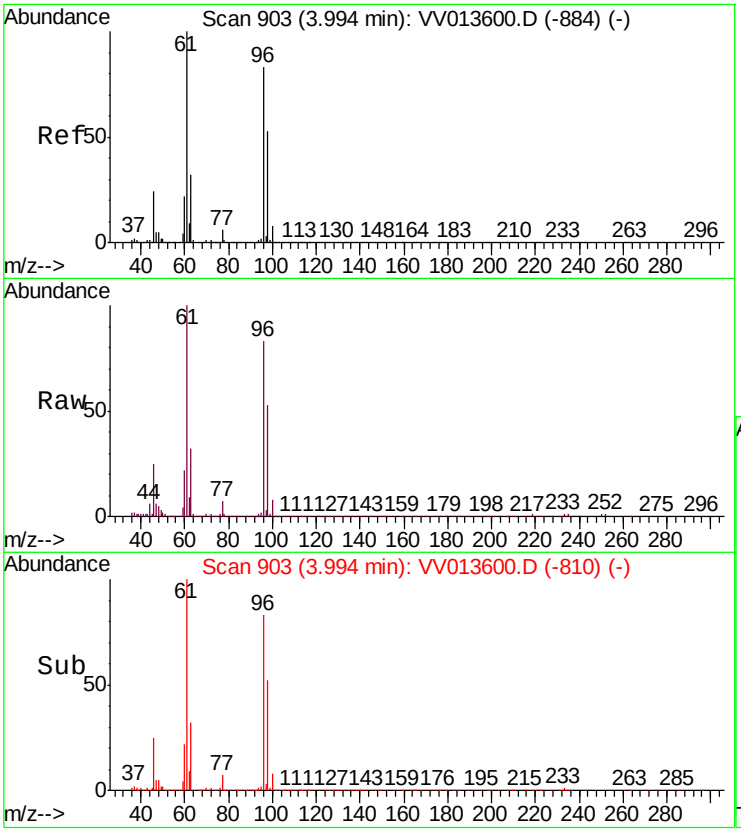


#21
2-Butanone
Concen: 39.818 ug/L
RT: 4.12 min Scan# 942
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 43 Resp: 271669

Ion	Ratio	Lower	Upper
43	100		
72	24.6	12.3	36.9



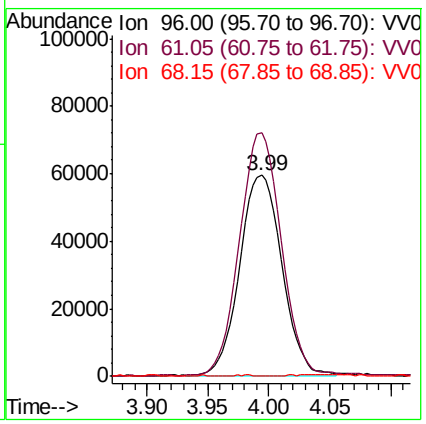


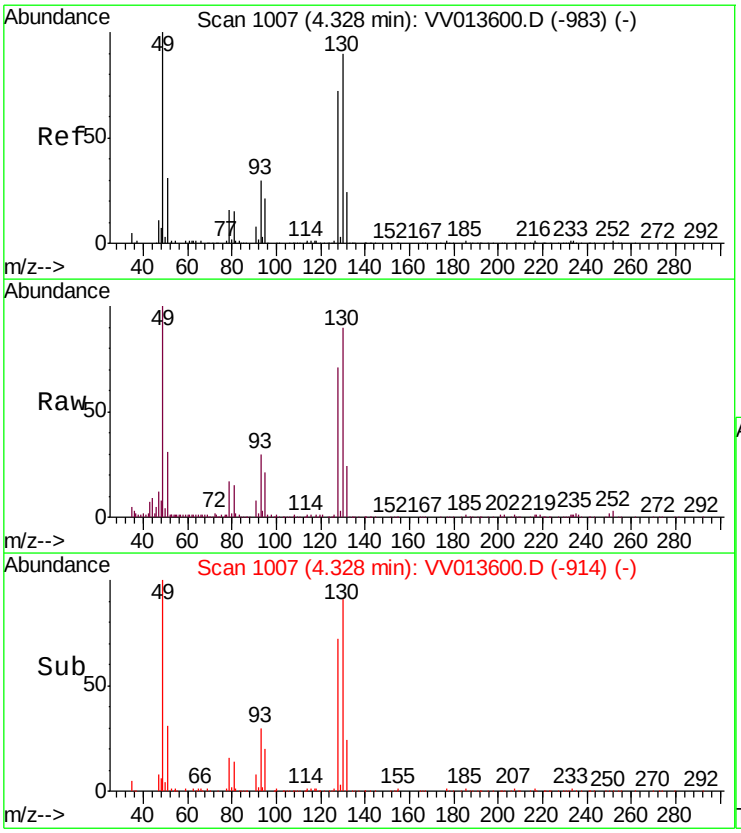
#22
cis-1,2-Dichloroethene
Concen: 4.377 ug/L
RT: 3.99 min Scan# 903
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 96 Resp: 142148

Ion	Ratio	Lower	Upper
96	100		
61	121.0	84.7	157.3
68	0.5	0.3	0.7

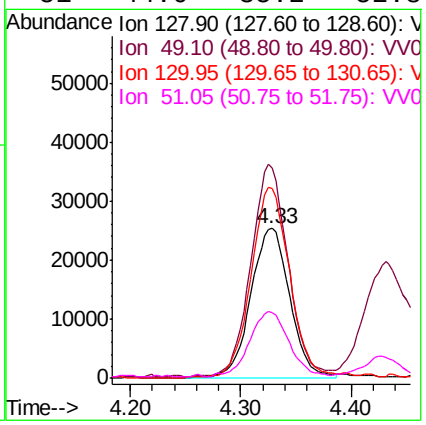


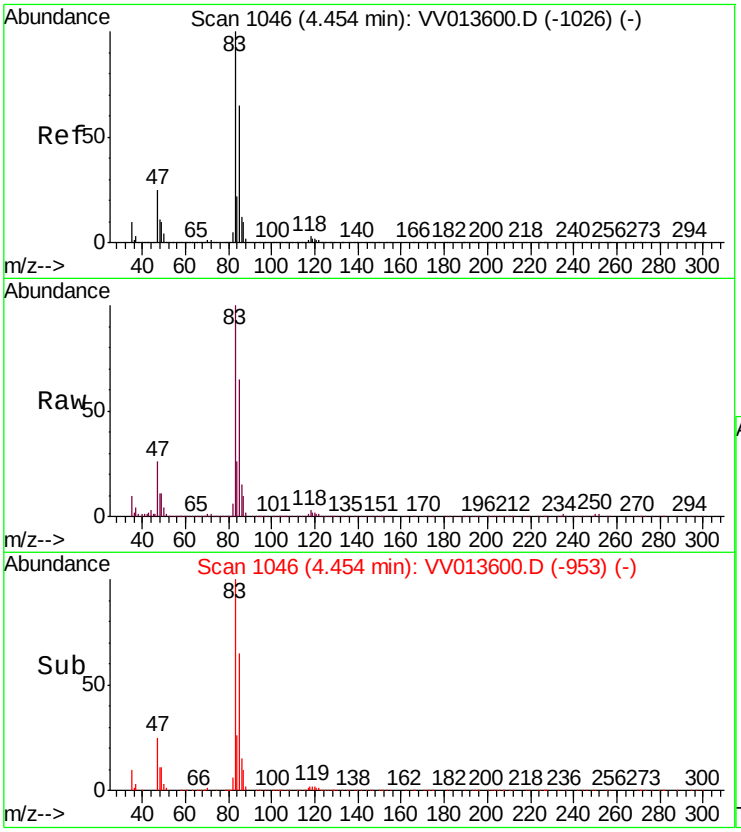


#23
Bromochloromethane
Concen: 4.179 ug/L
RT: 4.33 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion:128 Resp: 62470

Ion	Ratio	Lower	Upper
128	100		
49	140.6	98.4	182.8
130	126.3	88.4	164.2
51	44.0	35.2	52.8



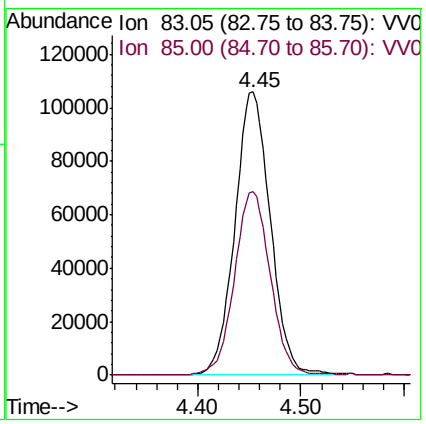


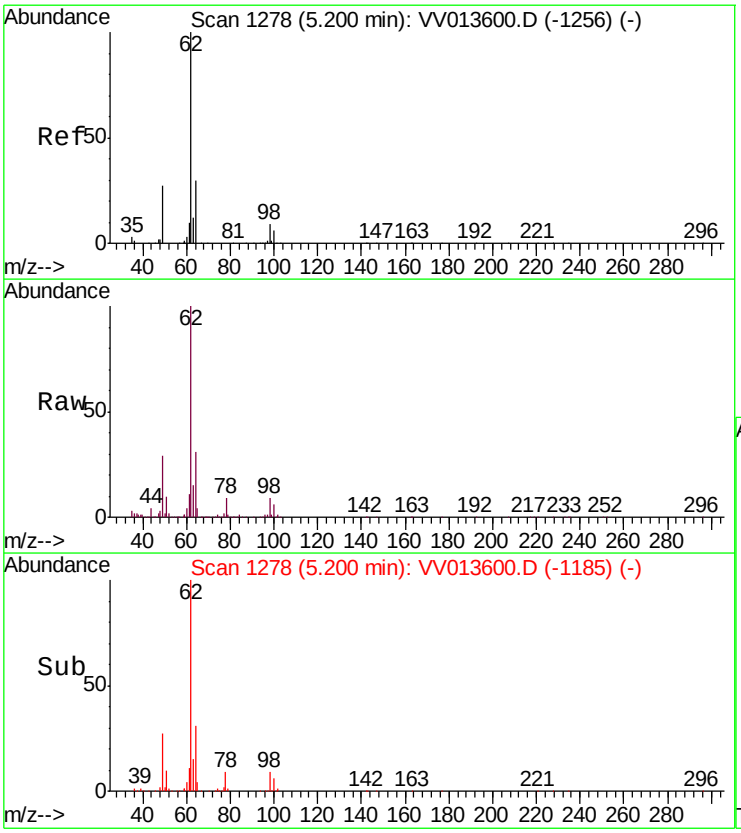
#25
Chloroform
Concen: 3.987 ug/L
RT: 4.45 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 83 Resp: 253287

Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.5	84.5

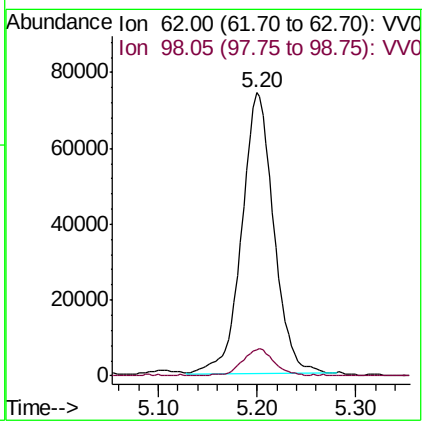


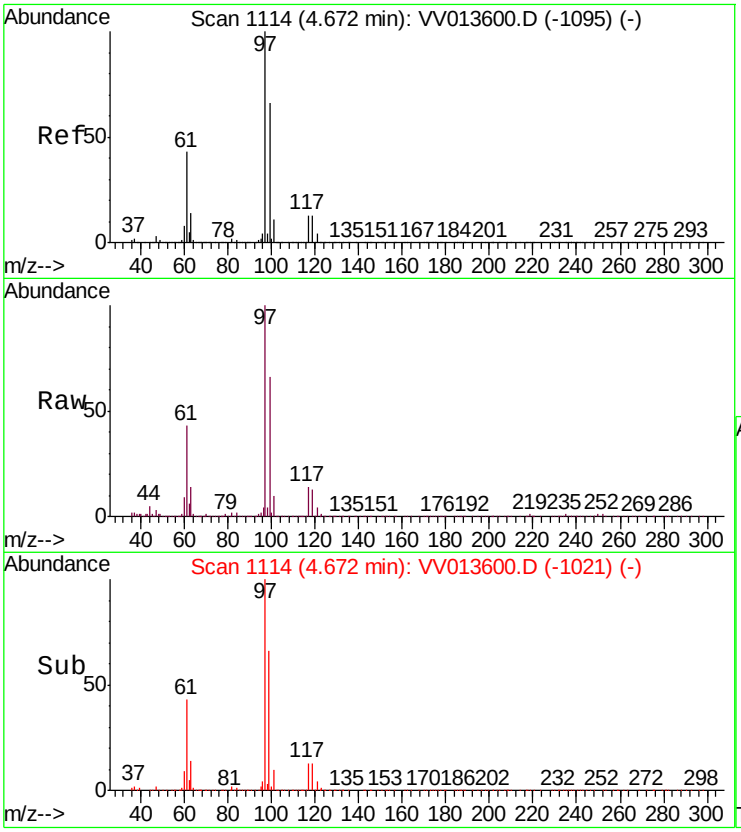


#27
1,2-Dichloroethane
Concen: 4.735 ug/L
RT: 5.20 min Scan# 1278
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 62 Resp: 166121

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2



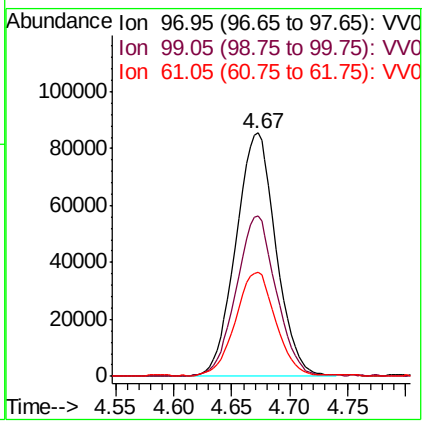


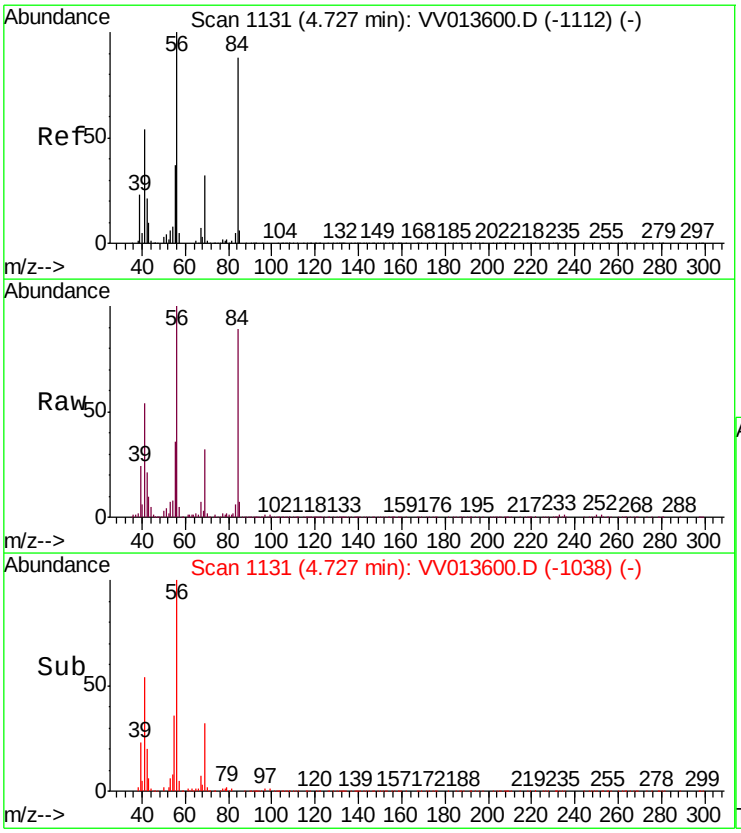
#29
1,1,1-Trichloroethane
Concen: 4.113 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 97 Resp: 204744

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.6	78.8
61	42.6	34.1	51.1

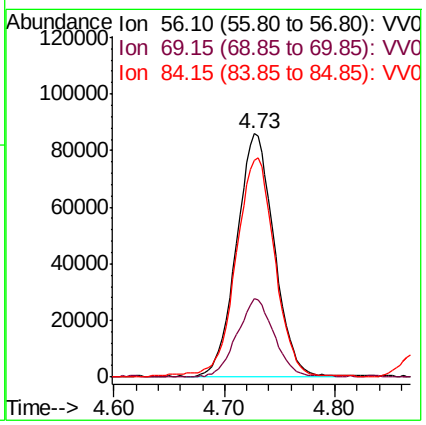


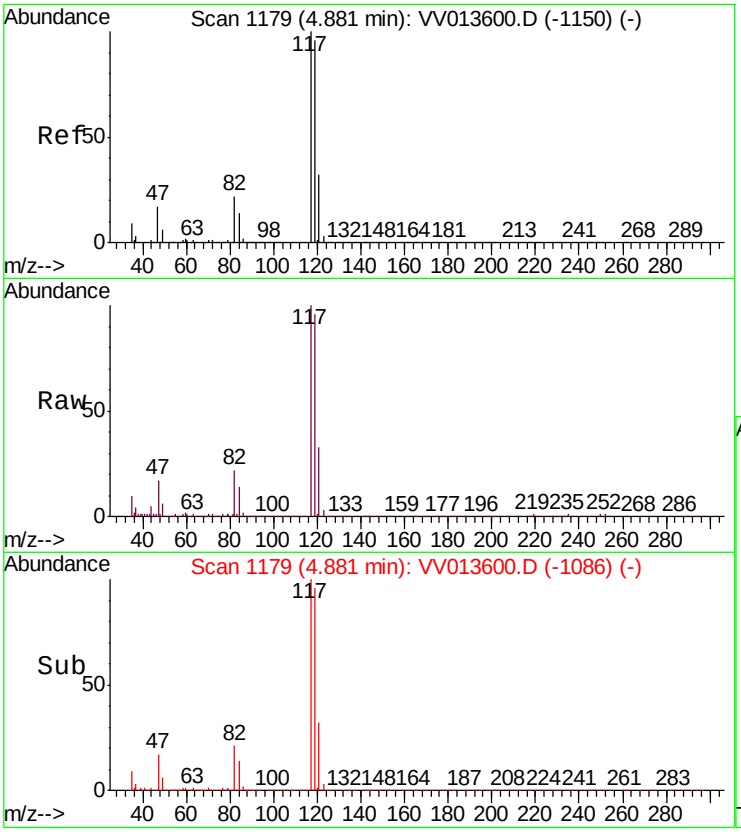


#30
Cyclohexane
Concen: 4.045 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 56 Resp: 201248

Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.0	37.4
84	94.4	75.5	113.3



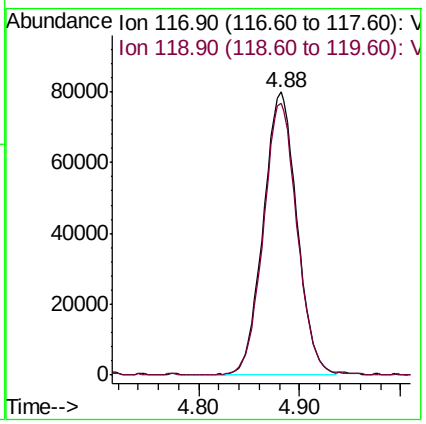


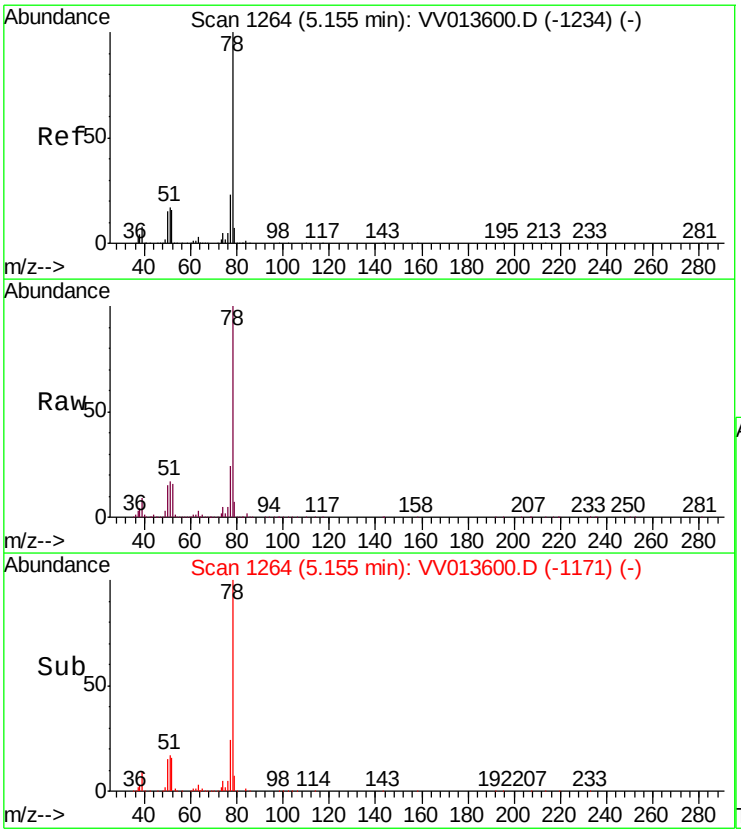
#31
Carbon tetrachloride
Concen: 4.151 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion:117 Resp: 185849

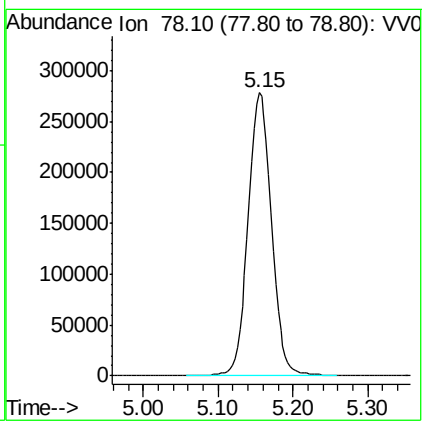
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3

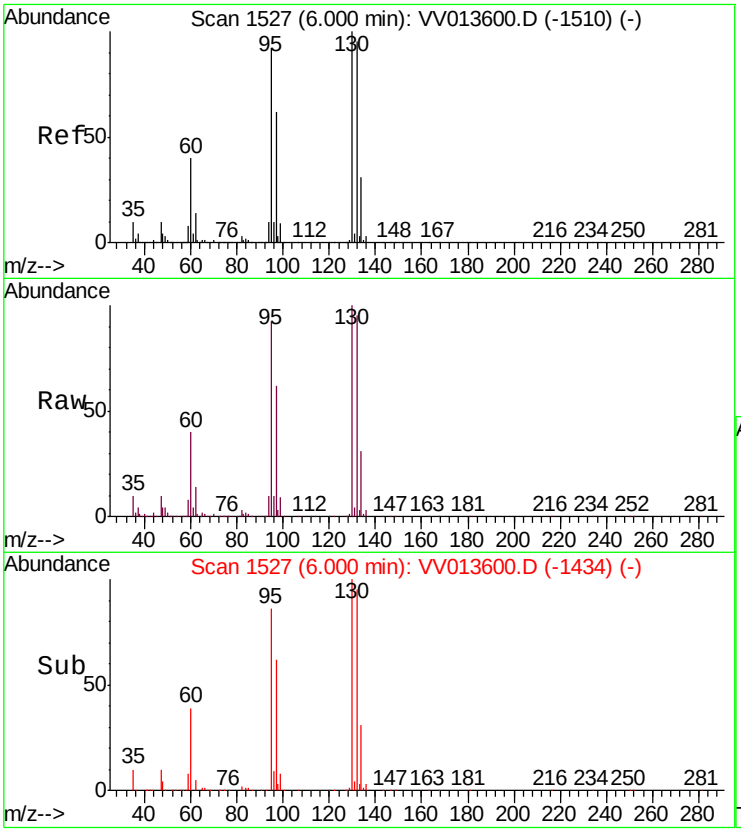




#33
Benzene
Concen: 4.715 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 78 Resp: 606723



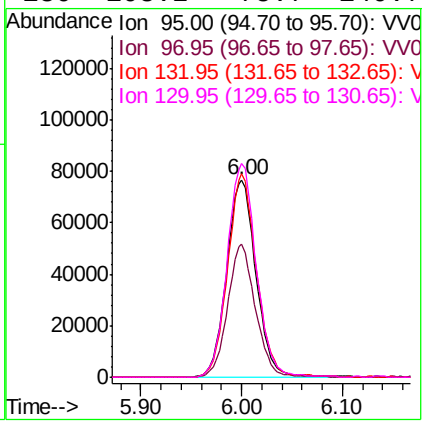


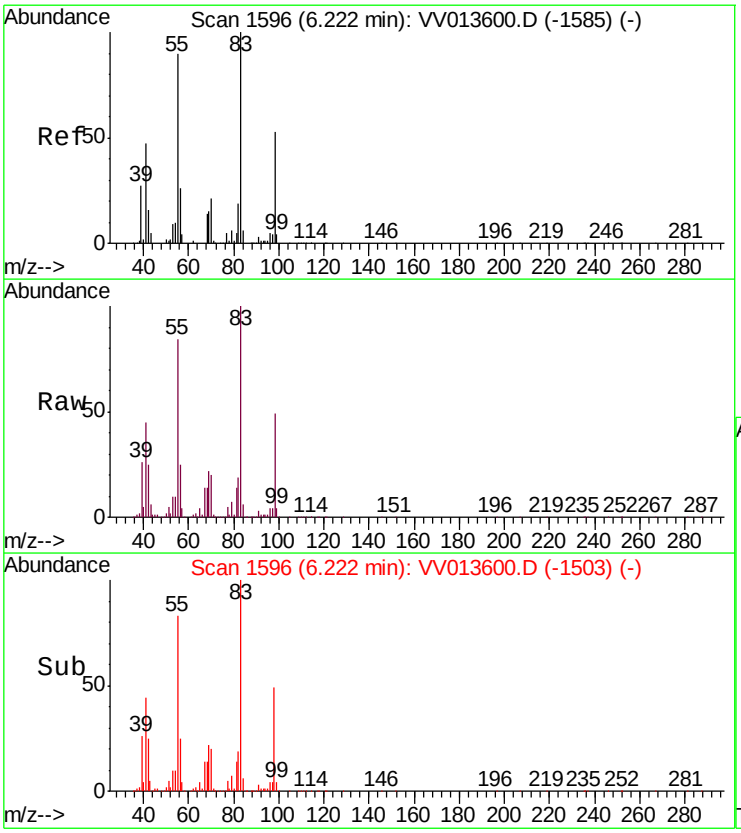
#34
Trichloroethene
Concen: 4.475 ug/L
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 95 Resp: 154177

Ion	Ratio	Lower	Upper
95	100		
97	67.2	47.0	87.4
132	103.1	72.2	134.0
130	108.2	75.7	140.7

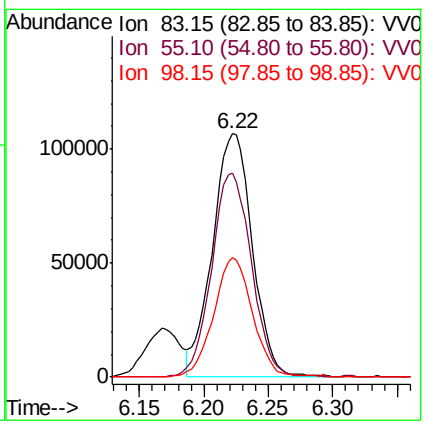


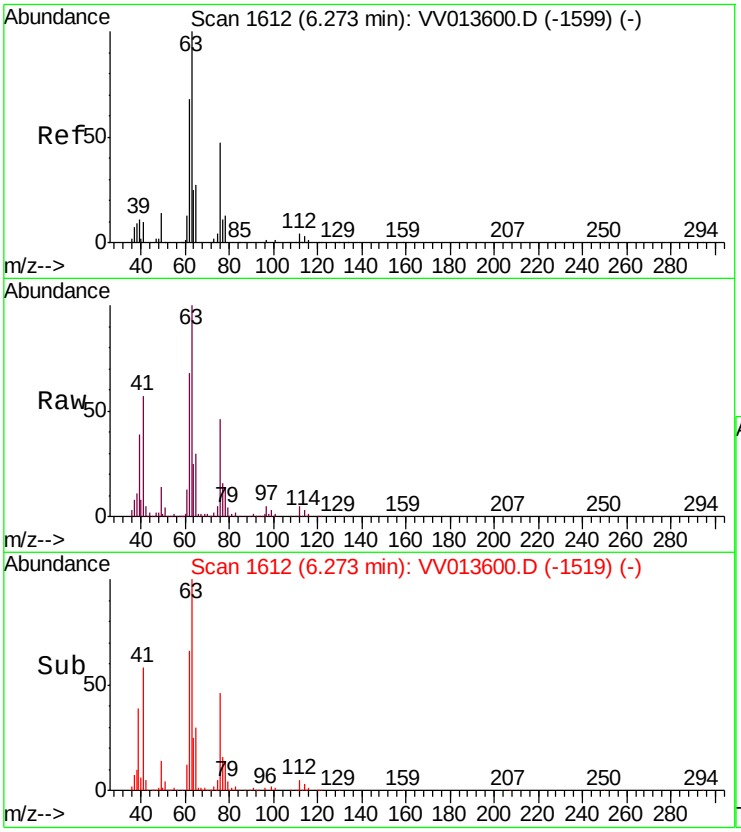


#35
Methylcyclohexane
Concen: 4.413 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 83 Resp: 228493

Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.0	100.4
98	48.1	38.5	57.7



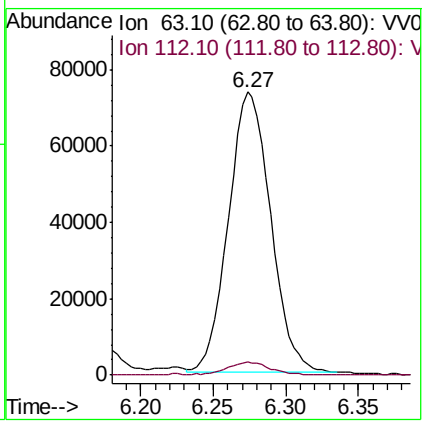


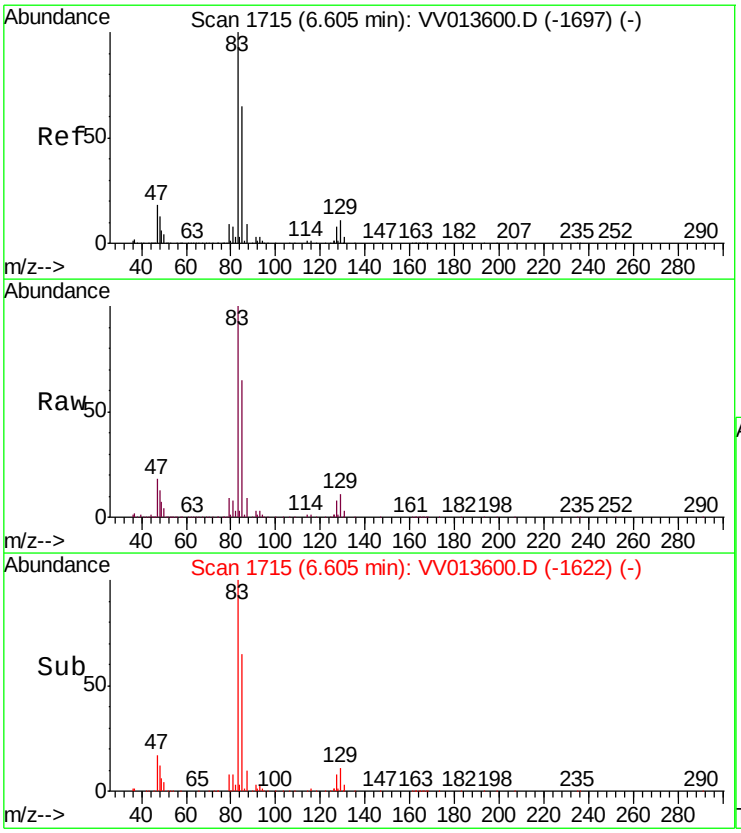
#37
1,2-Dichloropropane
Concen: 4.713 ug/L
RT: 6.27 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 63 Resp: 148558

Ion	Ratio	Lower	Upper
63	100		
112	4.8	0.2	0.2#





#38
Bromodichloromethane
Concen: 4.726 ug/L
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VV013600.D
Acq: 13 Nov 2019 10:26

Tgt Ion: 83 Resp: 192765

Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.5	84.5
127	8.5	6.8	10.2