Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
Data File : VV009556.D
Acq On : 08 Mar 2019 22:56
Operator : SY/MD
Sample : K1818-01
Misc : 5.44G/10ML/MSVOA_V/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BF0Q5

Quant Time: Mar 09 01:28:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 09 01:24:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	116862	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52825	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	23855	16.96	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 67.84%			
7) Chloroethane-d5	1.57	69	31487	15.48	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 61.92%			
10) 1,1-Dichloroethene-d2	2.13	63	55519	15.17	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 60.68%			
20) 2-Butanone-d5	3.94	46	28444	59.34	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.68%			
24) Chloroform-d	4.40	84	61814	22.20	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.80%			
26) 1,2-Dichloroethane-d4	5.08	65	42289	26.70	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.80%			
29) Benzene-d6	5.10	84	125286	22.09	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.36%			
33) 1,2-Dichloropropane-d6	6.12	67	40768	24.35	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.40%			
37) Toluene-d8	7.36	98	118712	21.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.88%			
38) trans-1,3-Dichloropropene-	7.67	79	16551	20.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 81.60%			
39) 2-Hexanone-d5	8.14	63	23440	60.00	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 120.00%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47317	26.52	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.08%			
61) 1,2-Dichlorobenzene-d4	11.68	152	46260	23.99	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.96%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.13	96	997	0.642	ug/L #	1
13) Acetone	2.20	43	839	1.721	ug/L	92
16) Methylene chloride	2.53	84	2237	1.459	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	9992	6.342	ug/L	98
25) Chloroform	4.42	83	1417	0.516	ug/L #	66
27) 1,2-Dichloroethane	5.10	62	672	0.353	ug/L #	77
35) Trichloroethene	5.96	95	3920	2.305	ug/L #	91
42) cis-1,3-Dichloropropene	7.03	75	1660	0.701	ug/L #	82
46) 1,1,2-Trichloroethane	8.02	97	6717	5.298	ug/L #	15
47) Tetrachloroethene	8.02	164	637177	493.933	ug/L	94
50) Dibromochloromethane	8.02	129	654306	426.308	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	7576	5.871	ug/L	91

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

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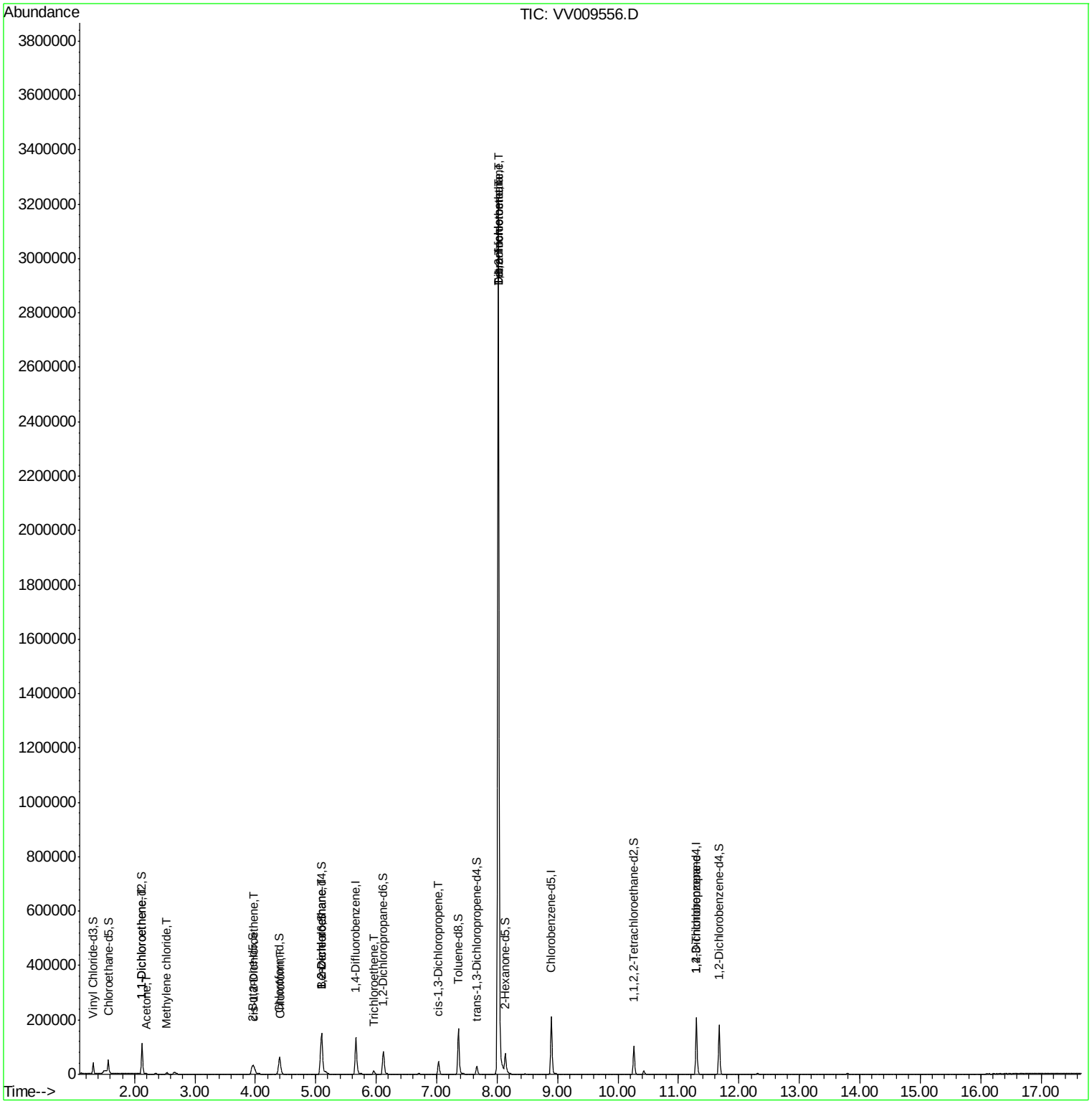
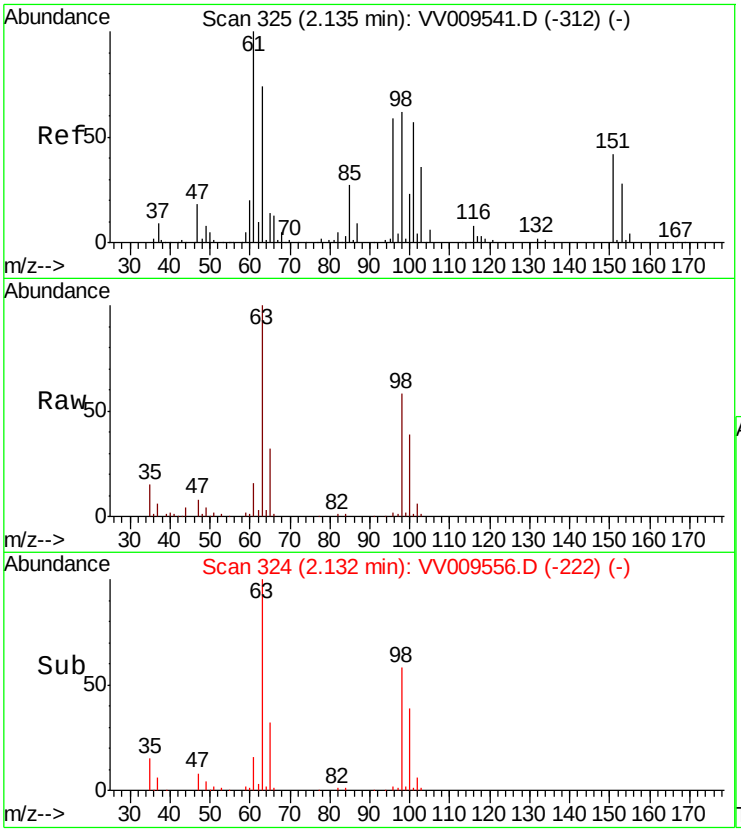
Quant Title : VOC Analysis
QLast Update : Sat Mar 09 01:24:39 2019
Response via : Initial Calibration



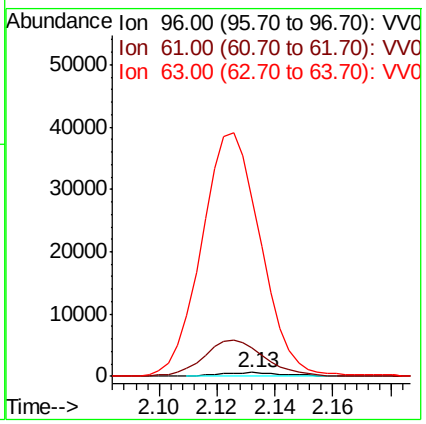


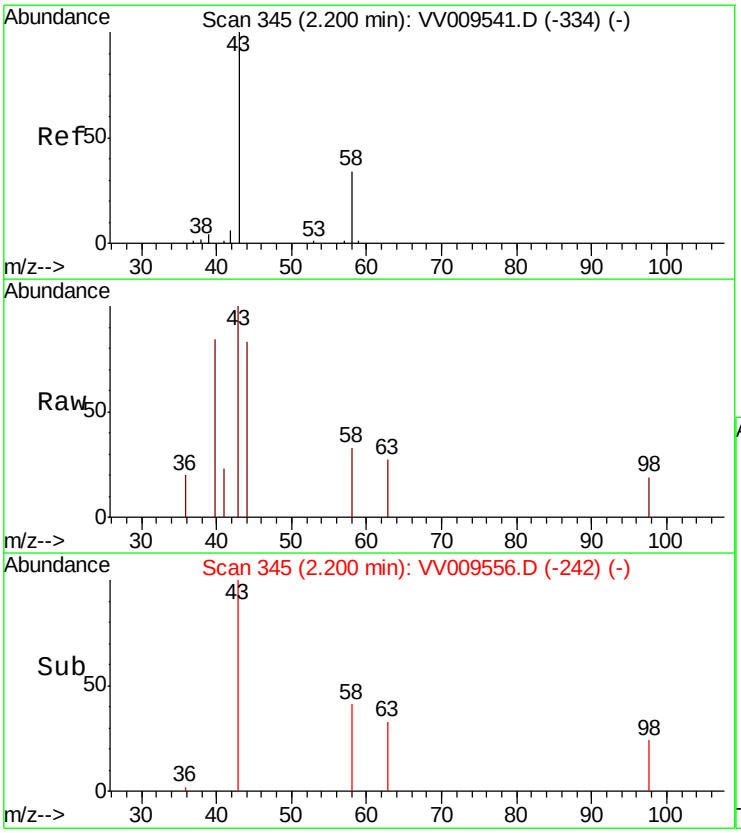
#12
1,1-Dichloroethene
Concen: 0.642 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Instrument :
MSVOA_V
ClientSampleId :
BF0Q5

Tgt Ion: 96 Resp: 997

Ion	Ratio	Lower	Upper
96	100		
61	745.4	136.9	254.3#
63	4762.9	108.7	201.9#

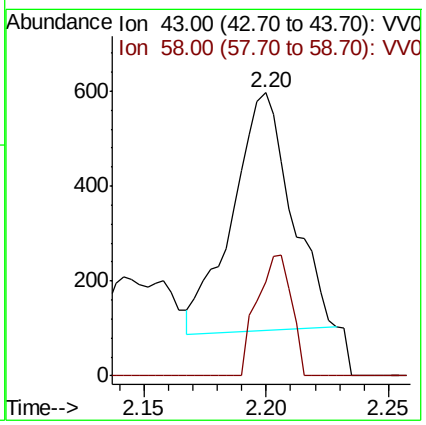


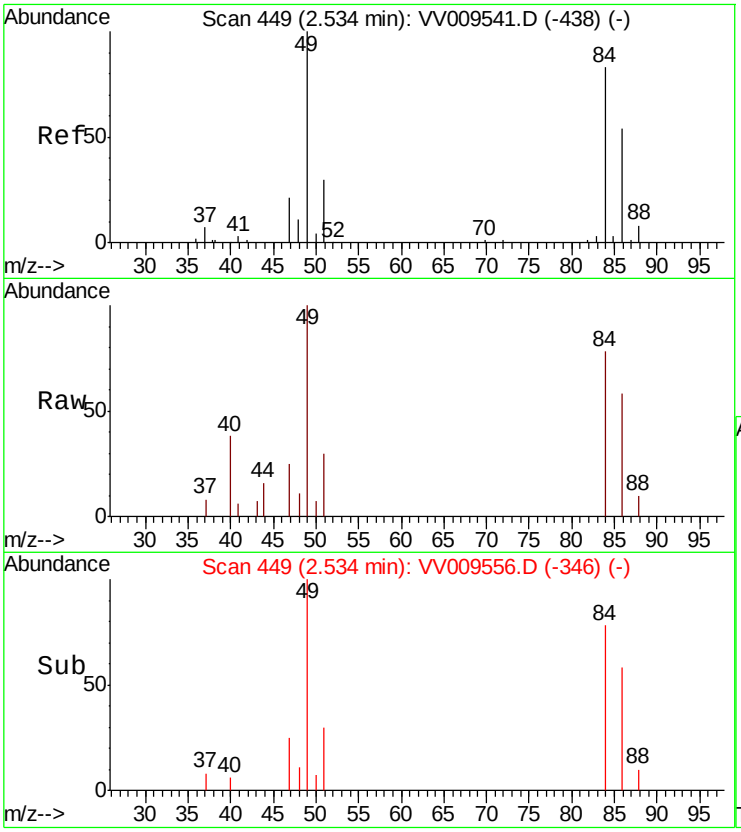


#13
Acetone
Concen: 1.721 ug/L
RT: 2.20 min Scan# 345
Delta R.T. -0.00 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Tgt Ion: 43 Resp: 839

Ion	Ratio	Lower	Upper
43	100		
58	29.6	0.0	68.8



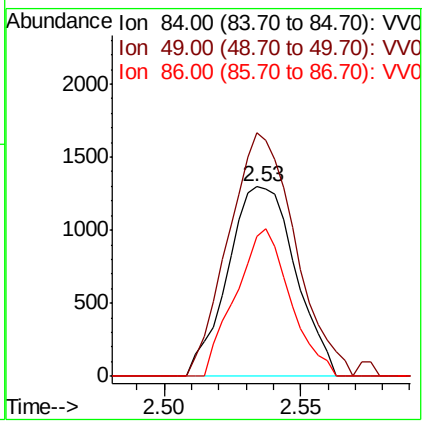


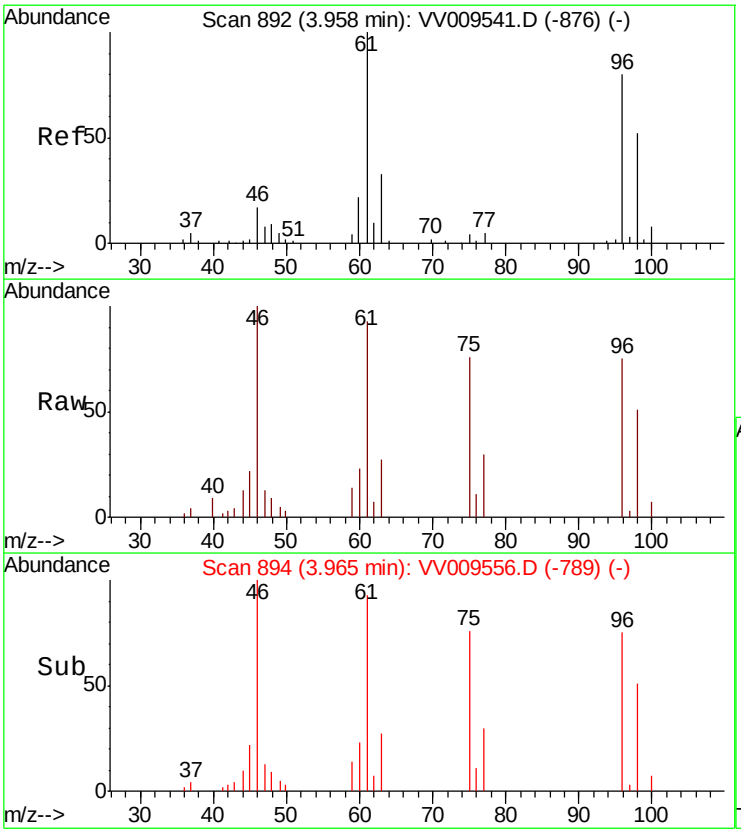
#16
Methylene chloride
Concen: 1.459 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Instrument :
MSVOA_V
ClientSampleId :
BF0Q5

Tgt Ion: 84 Resp: 2237

Ion	Ratio	Lower	Upper
84	100		
49	128.4	84.6	157.0
86	73.8	46.1	85.7

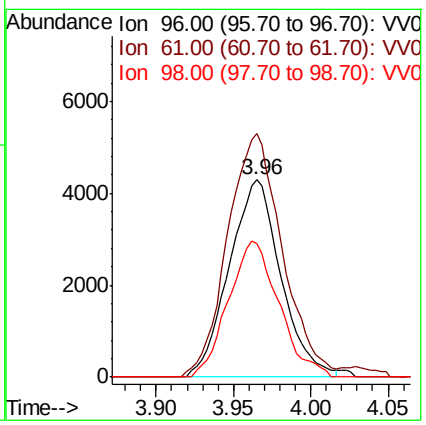


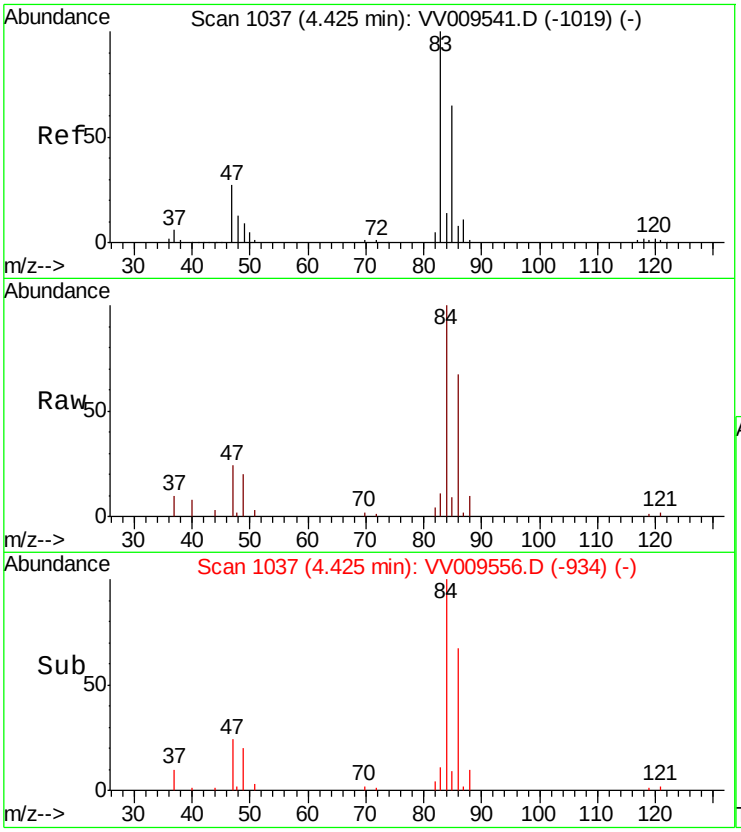


#22
cis-1,2-Dichloroethene
Concen: 6.342 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Tgt Ion: 96 Resp: 9992

Ion	Ratio	Lower	Upper
96	100		
61	123.4	87.2	161.9
98	67.6	44.6	82.8



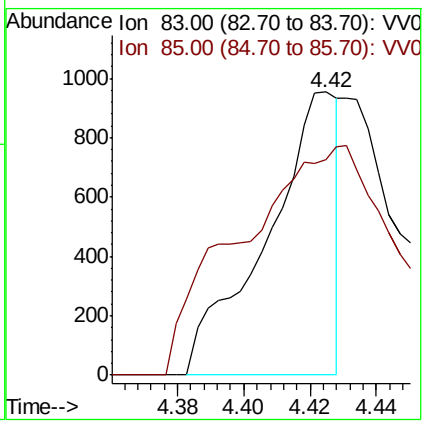


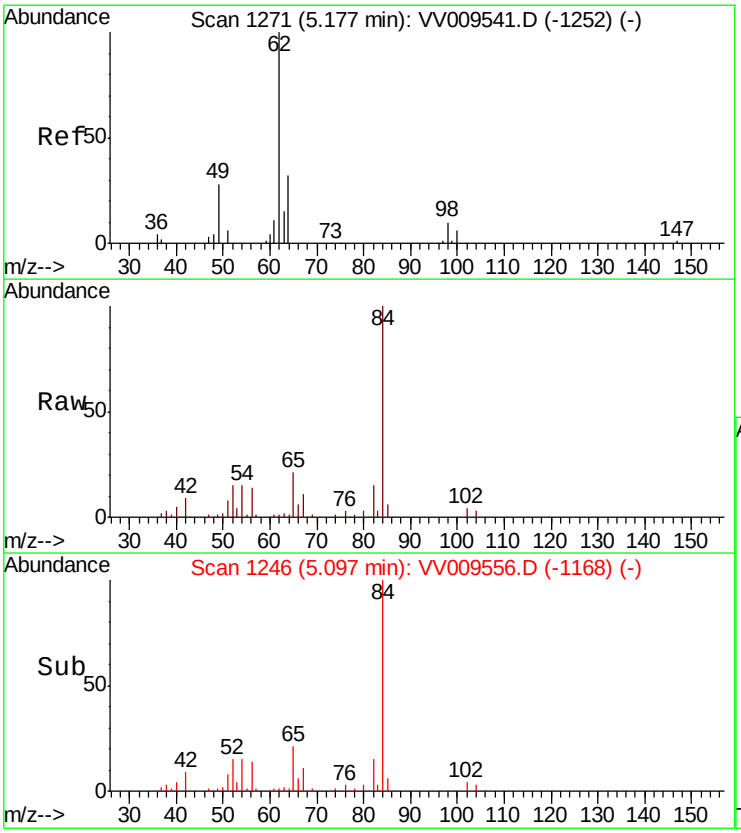
#25
Chloroform
Concen: 0.516 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Instrument : MSVOA_V
ClientSampleId : BF0Q5

Tgt Ion: 83 Resp: 1417

Ion	Ratio	Lower	Upper
83	100		
85	92.0	45.4	84.2#

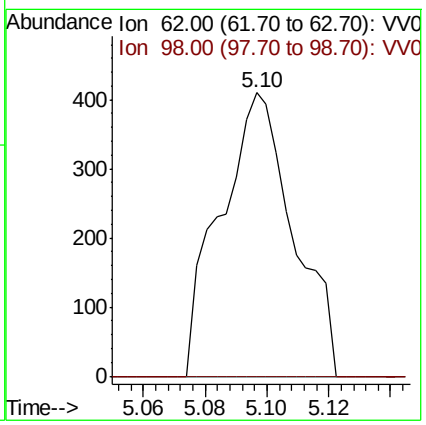


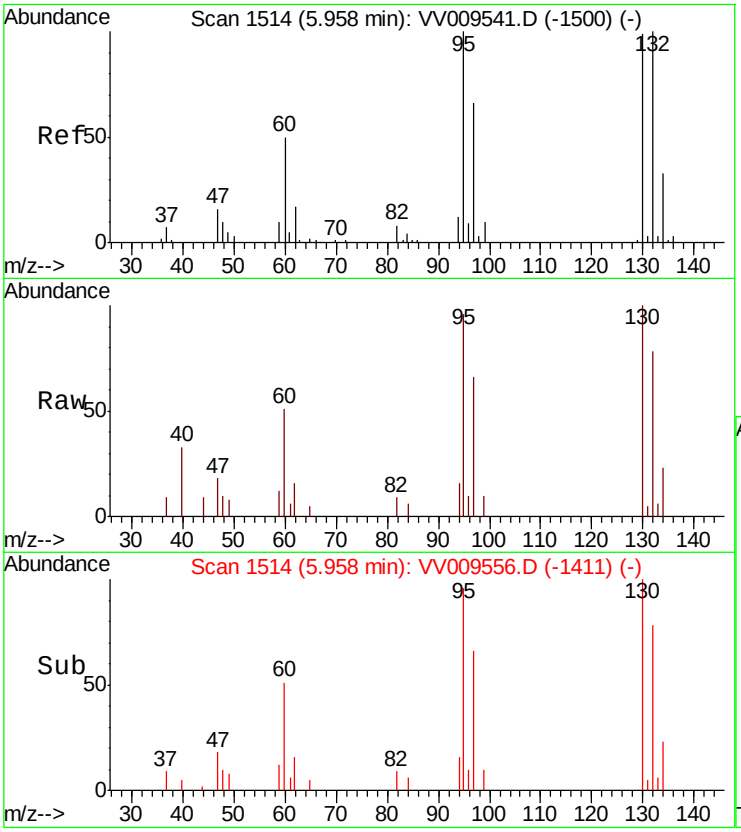


#27
1,2-Dichloroethane
Concen: 0.353 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Tgt Ion: 62 Resp: 672

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	10.0#



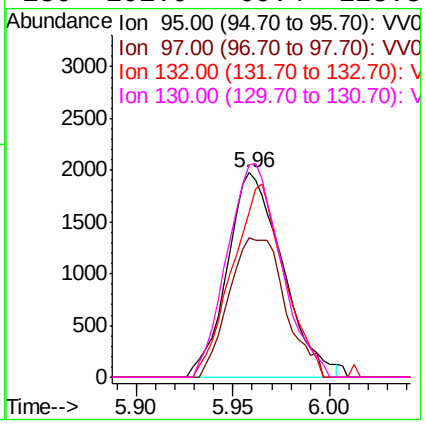


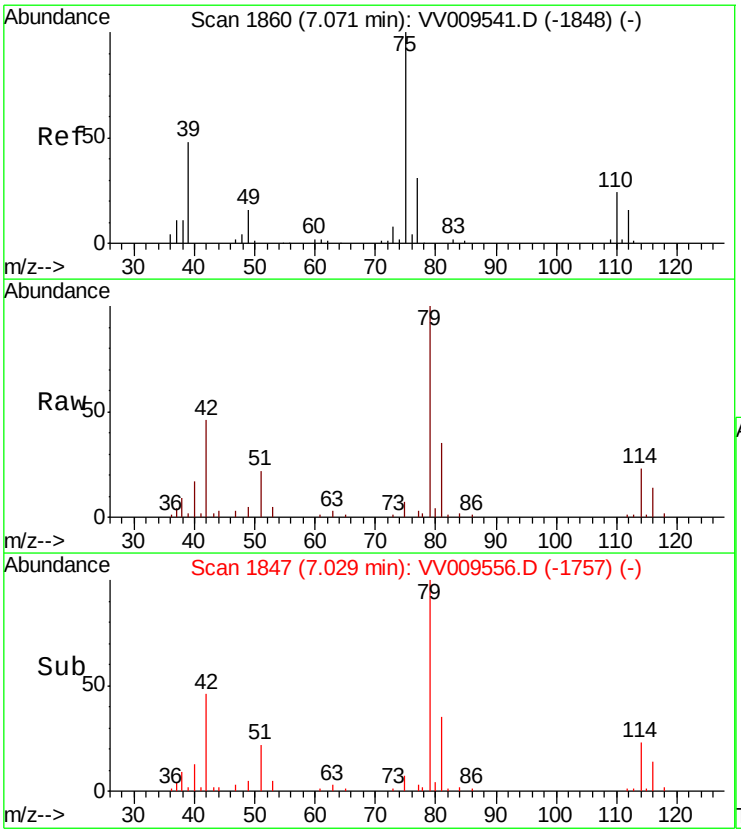
#35
Trichloroethene
Concen: 2.305 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Instrument :
MSVOA_V
ClientSampleId :
BF0Q5

Tgt Ion: 95 Resp: 3920

Ion	Ratio	Lower	Upper
95	100		
97	41.9	44.3	82.3#
132	88.9	64.4	119.6
130	101.9	69.4	128.8

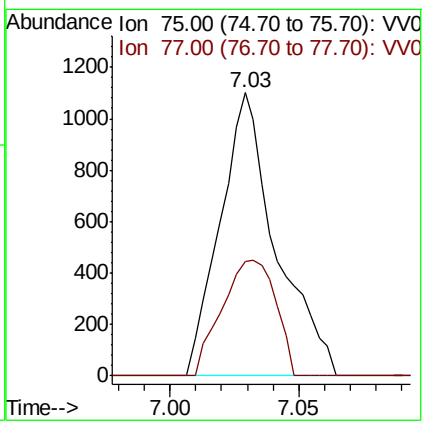


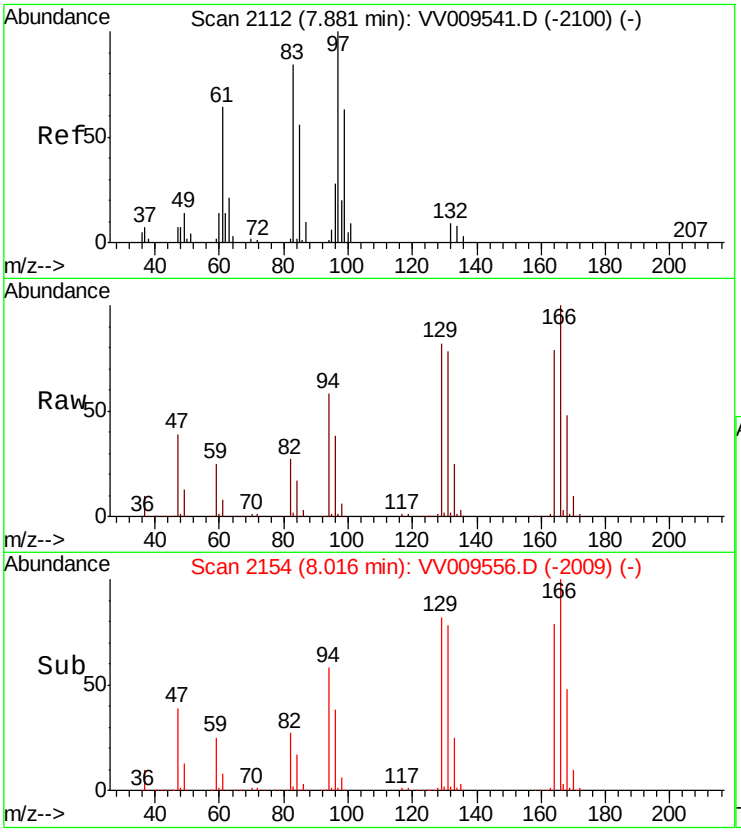


#42
cis-1,3-Dichloropropene
Concen: 0.701 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Tgt Ion: 75 Resp: 1660

Ion	Ratio	Lower	Upper
75	100		
77	40.2	21.4	39.8#



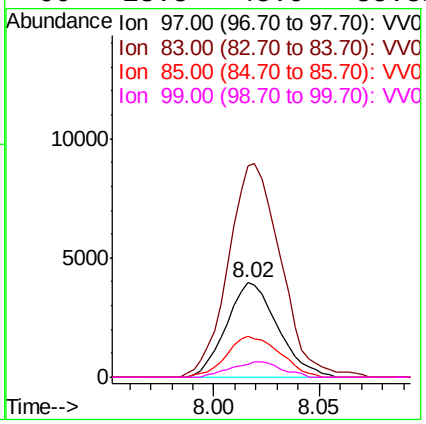


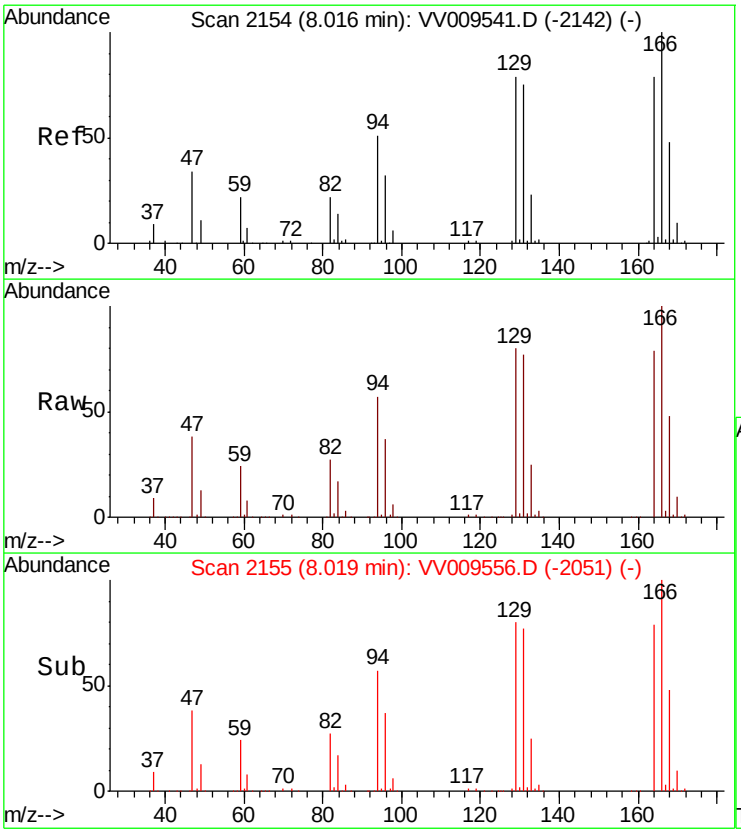
#46
1,1,2-Trichloroethane
Concen: 5.298 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.13 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Instrument :
MSVOA_V
ClientSampleId :
BF0Q5

Tgt Ion: 97 Resp: 6717

Ion	Ratio	Lower	Upper
97	100		
83	224.0	63.8	118.6#
85	42.9	39.5	73.4
99	13.8	45.9	85.3#

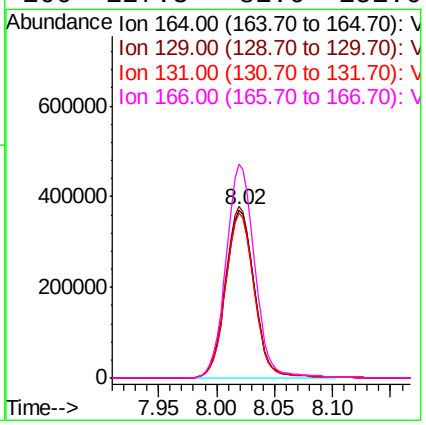


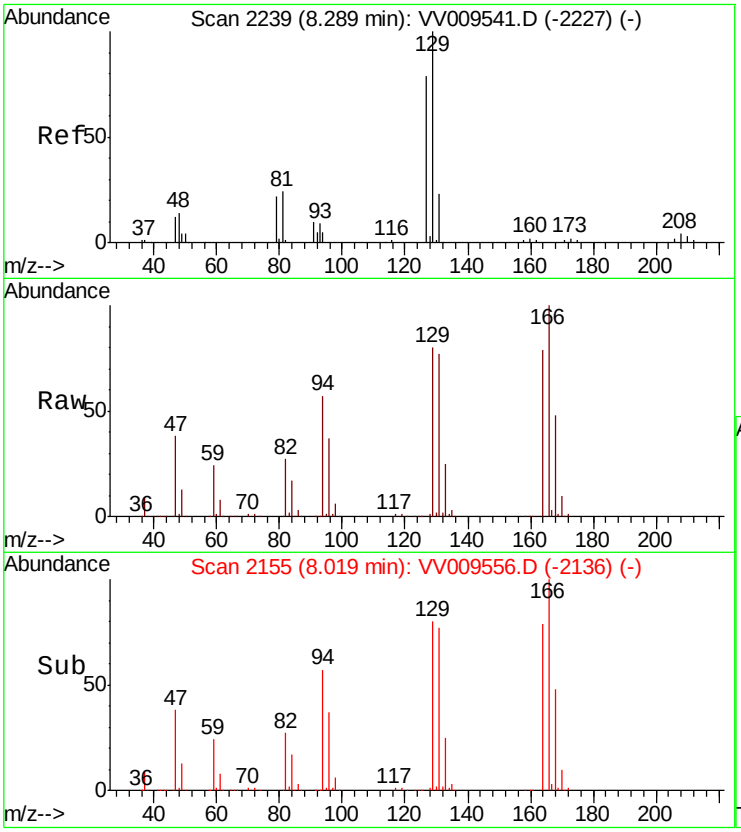


#47
Tetrachloroethene
Concen: 493.933 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Tgt Ion:164 Resp: 637177

Ion	Ratio	Lower	Upper
164	100		
129	102.4	67.7	125.7
131	98.3	67.5	125.3
166	127.3	81.6	151.6



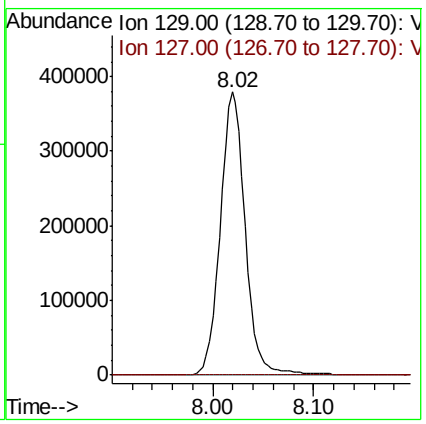


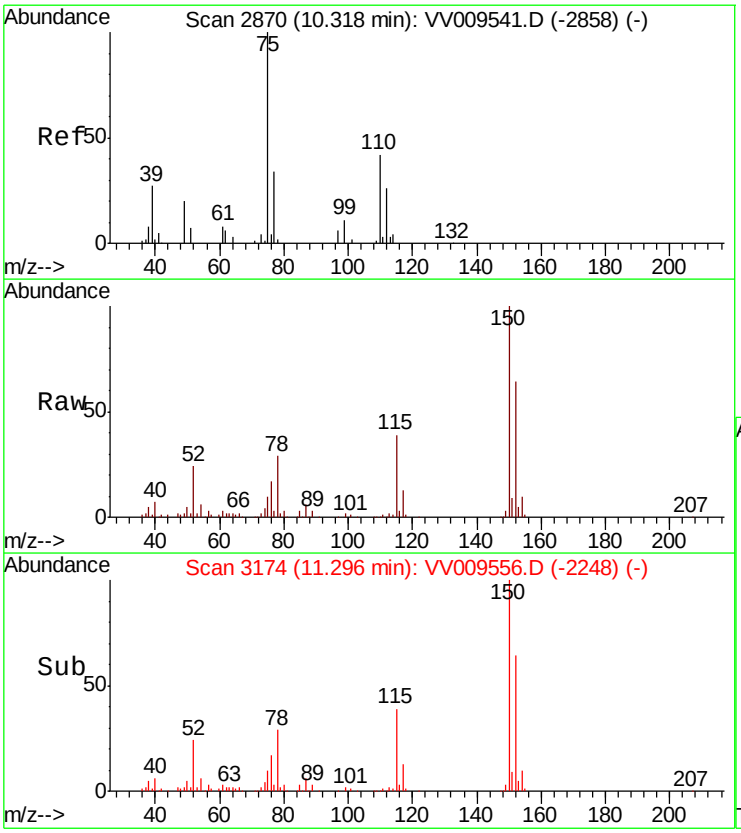
#50
Dibromochloromethane
Concen: 426.308 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Instrument :
MSVOA_V
ClientSampleId :
BF0Q5

Tgt Ion:129 Resp: 654306

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.7	99.7#





#59
1,2,3-Trichloropropane
Concen: 5.871 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV009556.D
Acq: 08 Mar 2019 22:56

Tgt Ion: 75 Resp: 7576

Ion	Ratio	Lower	Upper
75	100		
77	37.2	25.9	38.9