Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090919\
Data File : VV012643.D
Acq On : 10 Sep 2019 00:28
Operator : SY/MD
Sample : K4703-16
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFD99

Quant Time: Sep 11 01:23:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	403900	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	409908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	159678	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	126376	4.61	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 92.20%			
7) Chloroethane-d5	1.58	69	109495	4.83	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.60%			
11) 1,1-Dichloroethene-d2	2.13	63	151186	3.42	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 68.40%			
20) 2-Butanone-d5	3.93	46	252417	38.28	ug/L	-0.04
Spiked Amount 50.000	Range 40 - 130		Recovery = 76.56%			
24) Chloroform-d	4.40	84	203243	4.08	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.60%			
26) 1,2-Dichloroethane-d4	5.08	65	121958	5.12	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.40%			
32) Benzene-d6	5.10	84	435311	4.44	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.80%			
36) 1,2-Dichloropropane-d6	6.12	67	148400	4.77	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.40%			
41) Toluene-d8	7.36	98	356347	4.06	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.20%			
43) trans-1,3-Dichloropropene-	7.66	79	45915	4.29	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 85.80%			
46) 2-Hexanone-d5	8.13	63	200039	49.42	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 98.84%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107720	4.82	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.40%			
64) 1,2-Dichlorobenzene-d4	11.67	152	142022	5.20	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	109406	3.212	ug/L	99
13) Acetone	2.19	43	11257	2.913	ug/L	94
17) Methyl tert-butyl Ether	2.80	73	25917	0.440	ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	6430	0.210	ug/L	87
25) Chloroform	4.42	83	49033	0.838	ug/L	95
31) Carbon tetrachloride	4.87	117	9081	0.229	ug/L	98
34) Trichloroethene	5.96	95	256588	7.751	ug/L	99
47) Tetrachloroethene	8.02	164	2617293	100.716	ug/L	98

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

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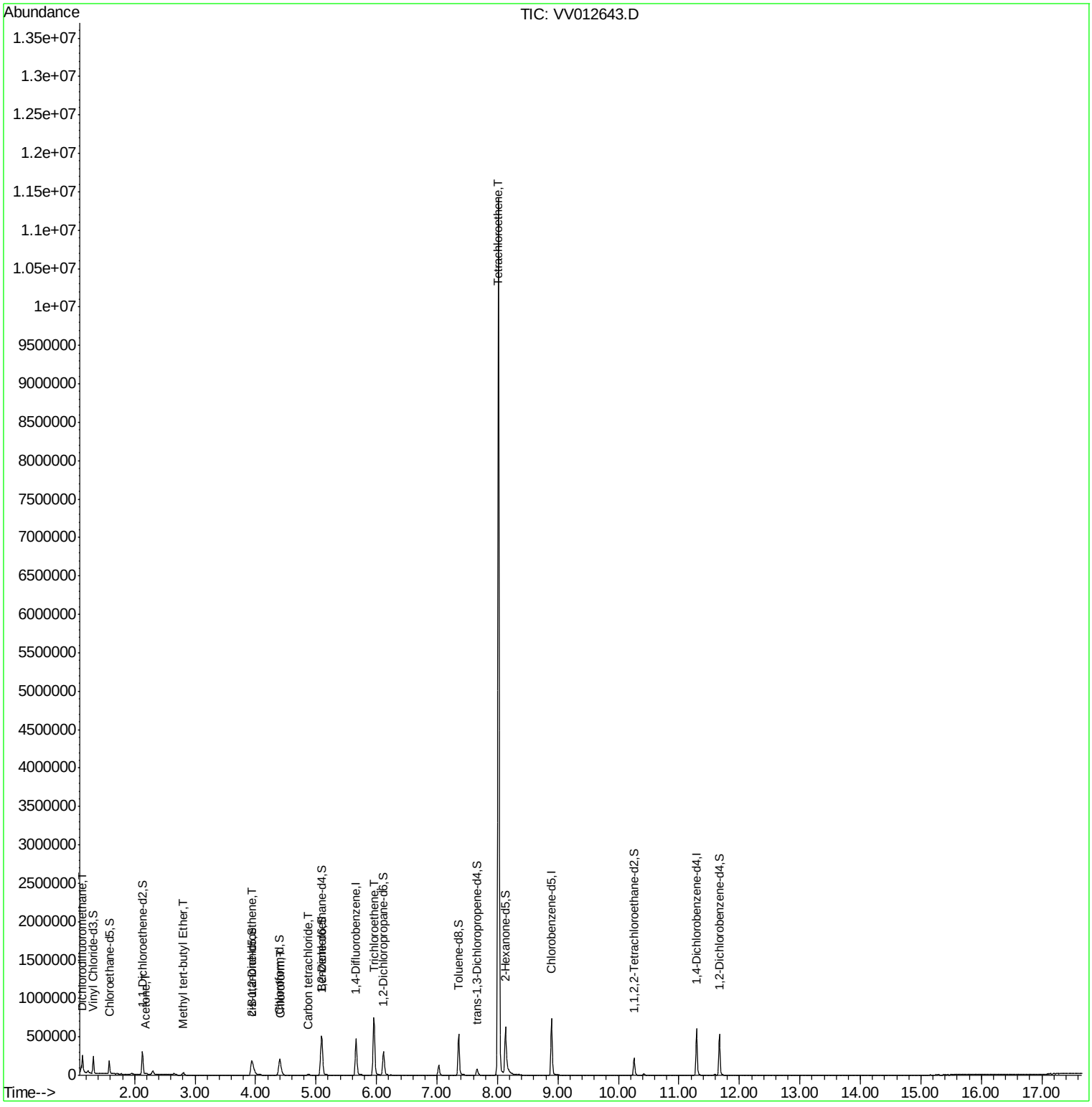
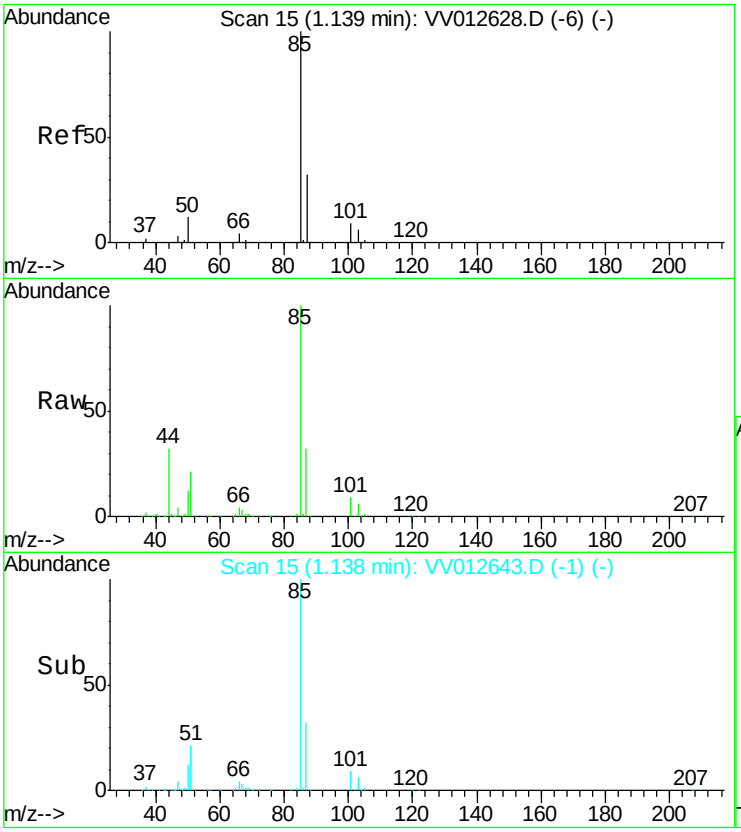


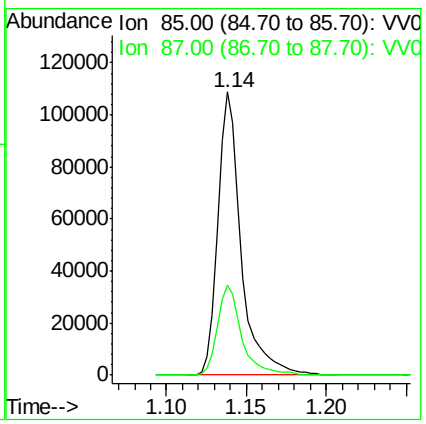


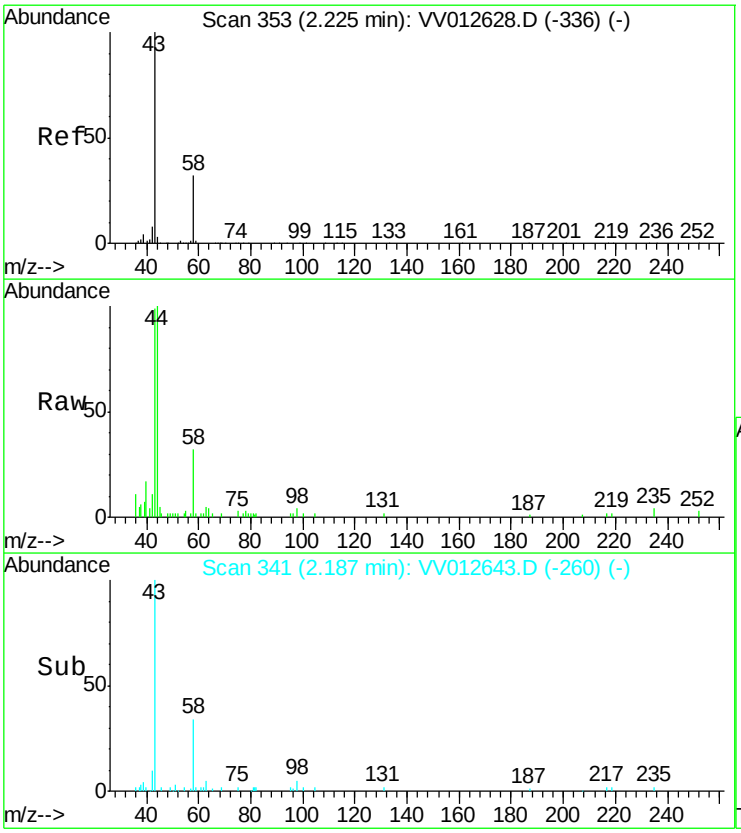
#2
Dichlorodifluoromethane
Concen: 3.212 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Instrument :
MSVOA_V
ClientSampleId :
BFD99

Tgt Ion: 85 Resp: 109406

Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.8	38.8

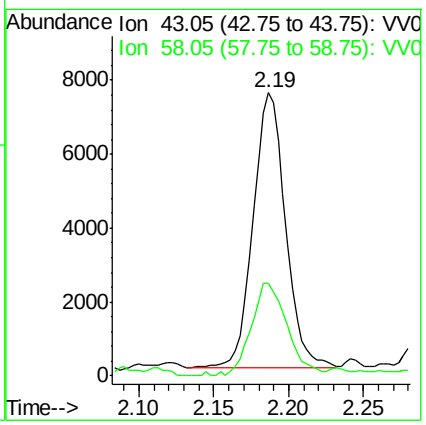


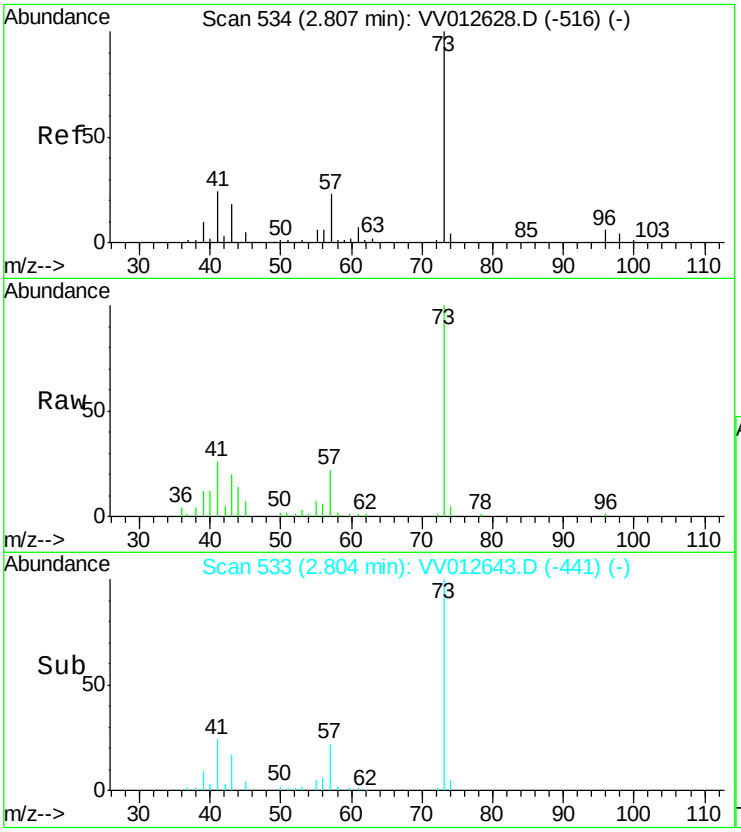


#13
Acetone
Concen: 2.913 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.04 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion: 43 Resp: 11257

Ion	Ratio	Lower	Upper
43	100		
58	37.3	0.0	67.4



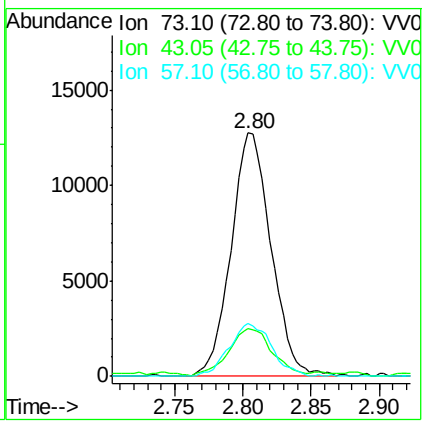


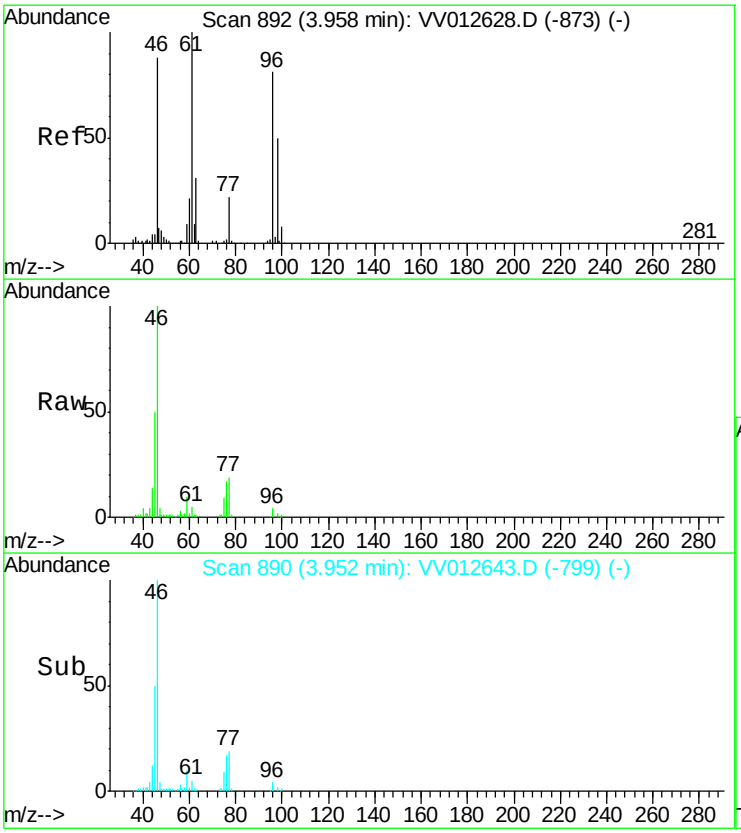
#17
Methyl tert-butyl Ether
Concen: 0.440 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Instrument :
MSVOA_V
ClientSampleId :
BFD99

Tgt Ion: 73 Resp: 25917

Ion	Ratio	Lower	Upper
73	100		
43	21.6	14.6	21.8
57	23.0	18.2	27.2

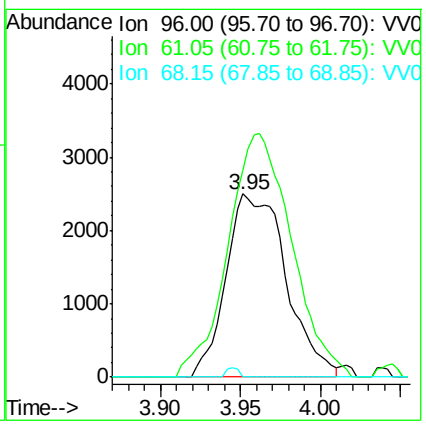


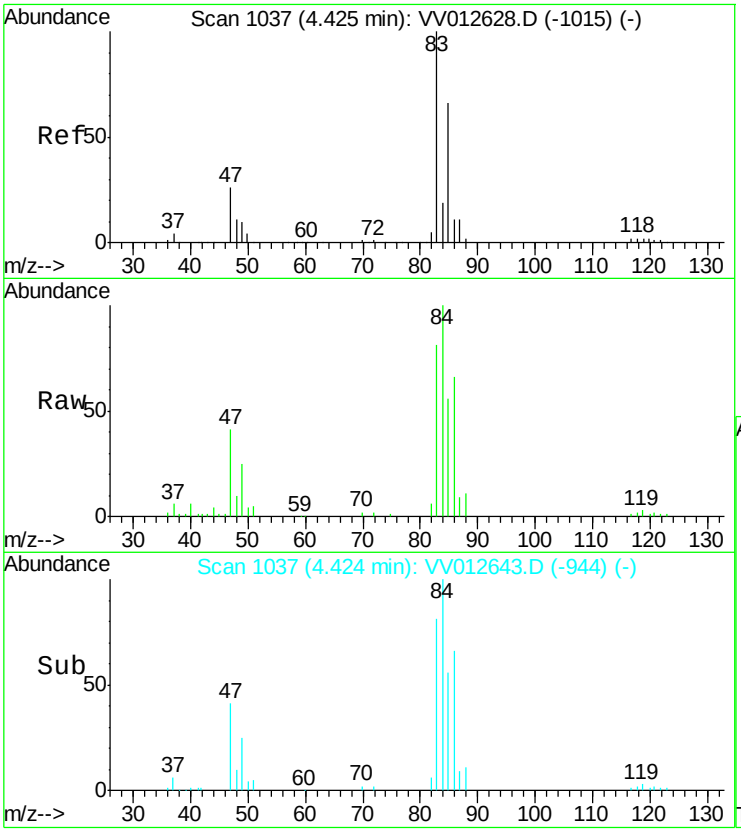


#22
cis-1,2-Dichloroethene
Concen: 0.210 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.01 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion: 96 Resp: 6430

Ion	Ratio	Lower	Upper
96	100		
61	112.8	89.7	166.5
68	0.0	0.0	0.0



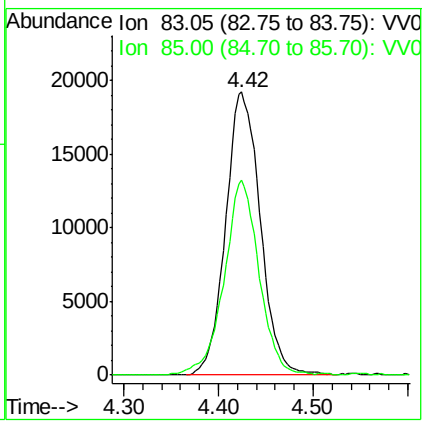


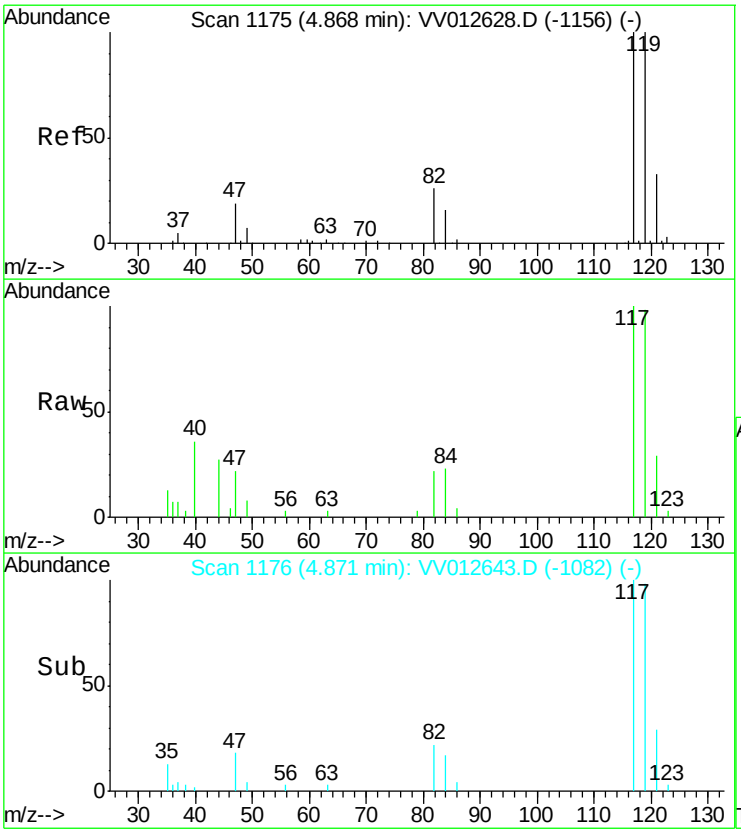
#25
Chloroform
Concen: 0.838 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Instrument :
MSVOA_V
ClientSampleId :
BFD99

Tgt Ion: 83 Resp: 49033

Ion	Ratio	Lower	Upper
83	100		
85	68.9	45.3	84.1

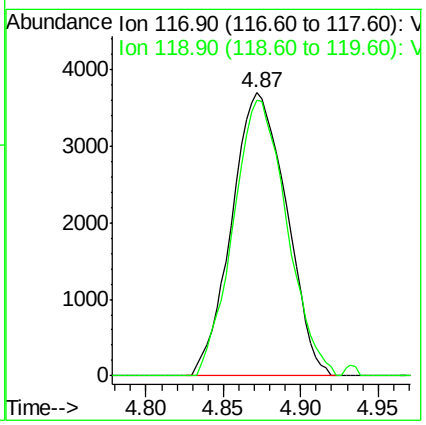


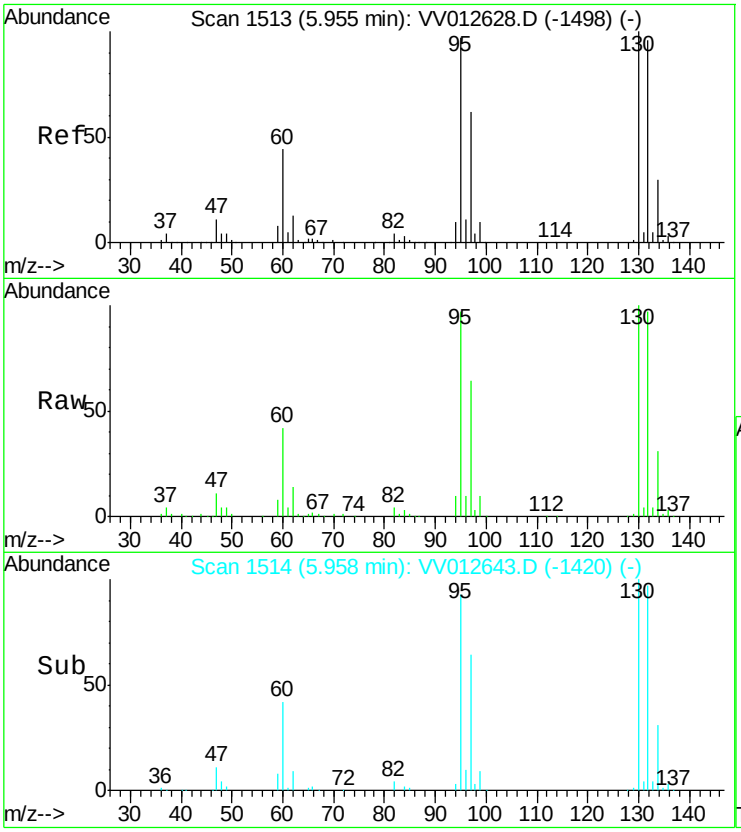


#31
Carbon tetrachloride
Concen: 0.229 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion:117 Resp: 9081

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.7	116.5



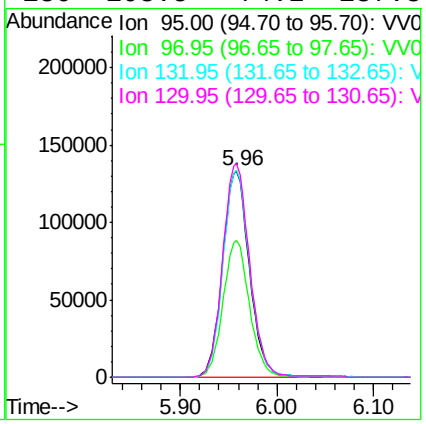


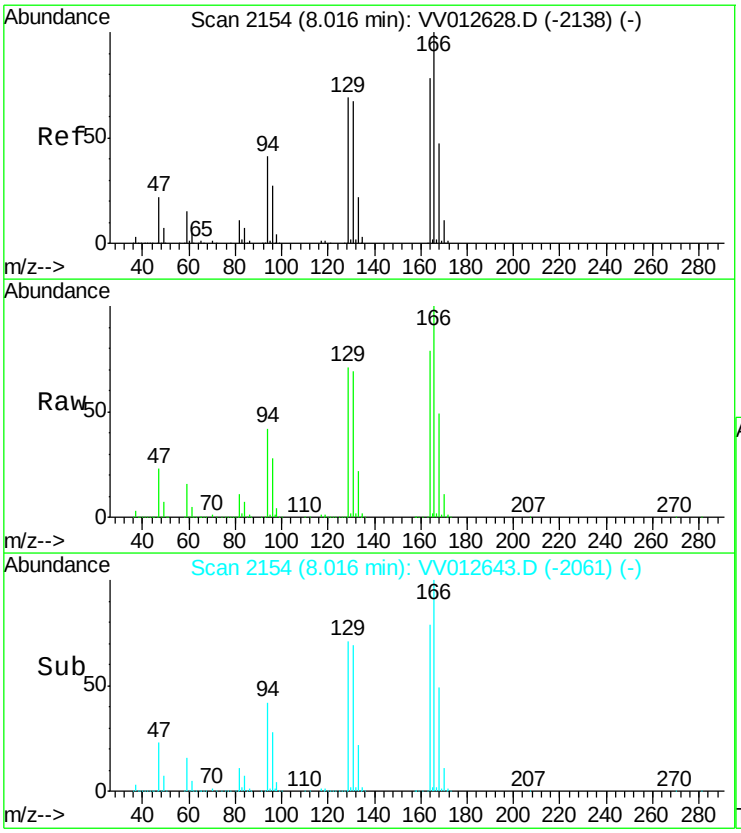
#34
Trichloroethene
Concen: 7.751 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Instrument : MSVOA_V
ClientSampleId : BFD99

Tgt Ion: 95 Resp: 256588

Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.4	84.2
132	100.3	70.2	130.4
130	103.5	74.2	137.8





#47
Tetrachloroethene
Concen: 100.716 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion:164 Resp: 2617293

Ion	Ratio	Lower	Upper
164	100		
129	90.8	61.9	114.9
131	87.2	59.7	110.9
166	127.0	90.4	167.8