Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

Quantitation Report (Not Reviewed)

Data File : VU032999.D
Acq On : 24 Jun 2019 12:04
Operator : JC/SP
Sample : K3478-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETF26

Quant Time: Jun 25 05:26:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190845	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90470	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	37414	28.69	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 57.38%#			
7) Chloroethane-d5	1.68	69	36930	35.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 71.00%			
11) 1,1-Dichloroethene-d2	2.27	63	65609	24.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 49.94%#			
21) 2-Butanone-d5	4.17	46	119857	110.41	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.41%			
24) Chloroform-d	4.64	84	108056	42.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.24%			
26) 1,2-Dichloroethane-d4	5.30	65	79016	46.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.56%			
32) Benzene-d6	5.33	84	199274	40.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.22%			
36) 1,2-Dichloropropane-d6	6.32	67	69297	44.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.68%			
41) Toluene-d8	7.56	98	175689	38.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 76.48%#			
43) trans-1,3-Dichloropropene-	7.84	79	33699	41.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 82.90%			
47) 2-Hexanone-d5	8.31	63	70307	96.33	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.33%			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	113075	46.80	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	78820	45.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.04%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	42071	24.276	ug/L	96
12) 1,1-Dichloroethene	2.27	96	1147	0.954	ug/L #	1
13) Acetone	2.32	43	853	0.569	ug/L #	44
17) trans-1,2-Dichloroethene	2.99	96	560	0.430	ug/L #	70
19) 1,1-Dichloroethane	3.44	63	1478	0.595	ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	168769	118.871	ug/L	94
27) 1,2-Dichloroethane	5.33	62	1226	0.582	ug/L #	77
34) Trichloroethene	6.18	95	7069	4.879	ug/L	94
37) 1,2-Dichloropropane	6.32	63	8351	5.615	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2356	1.017	ug/L #	80
44) trans-1,3-Dichloropropene	7.85	75	1753	0.805	ug/L	88
46) Tetrachloroethene	8.22	164	31010	26.122	ug/L	99
48) 2-Hexanone	8.36	43	2132	1.018	ug/L #	52
49) Dibromochloromethane	8.22	129	29131	17.455	ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	11462	5.775	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

Quantitation Report (Not Reviewed)

Data File : VU032999.D
Acq On : 24 Jun 2019 12:04
Operator : JC/SP
Sample : K3478-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETF26

Quant Time: Jun 25 05:26:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

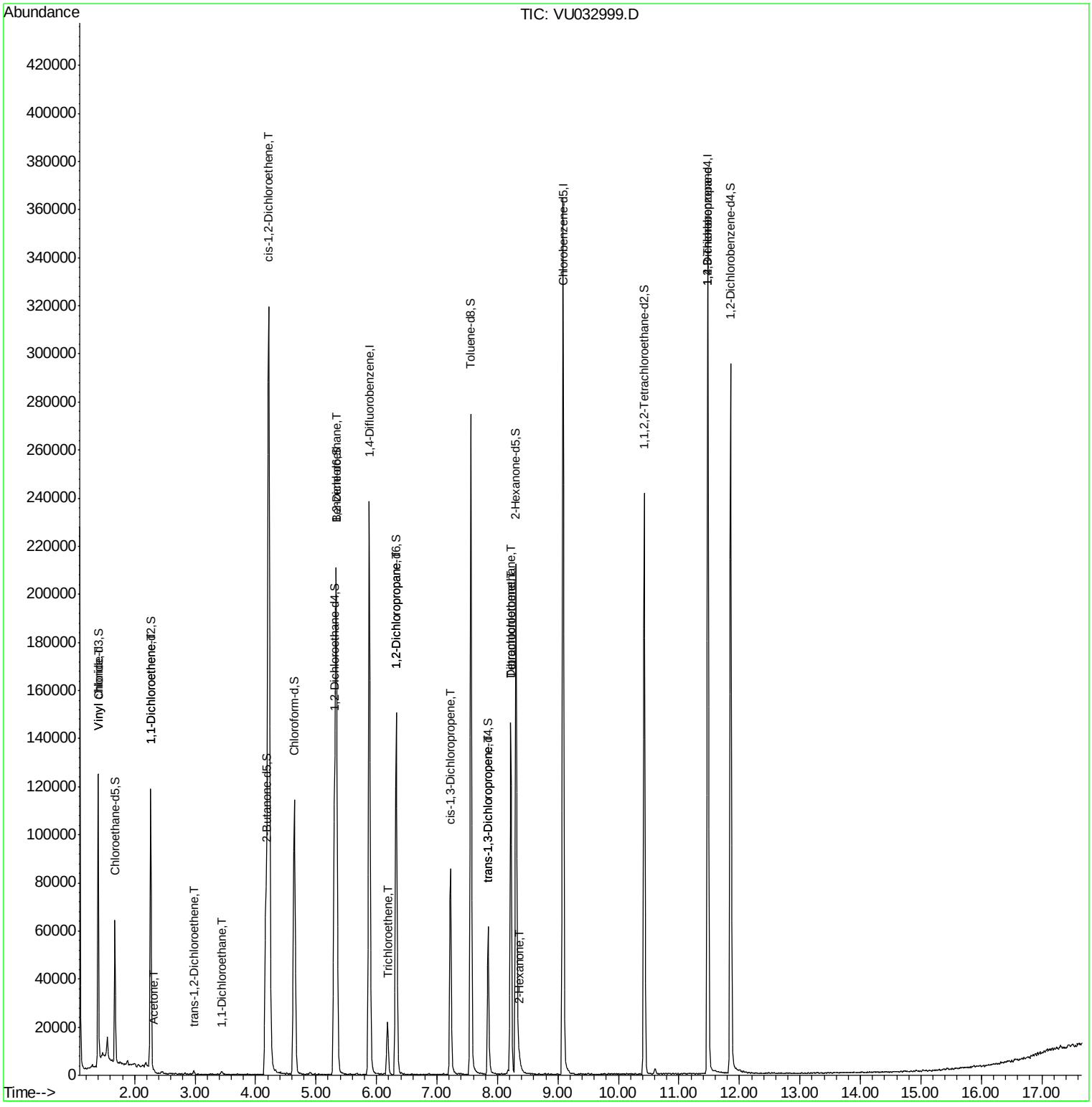
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

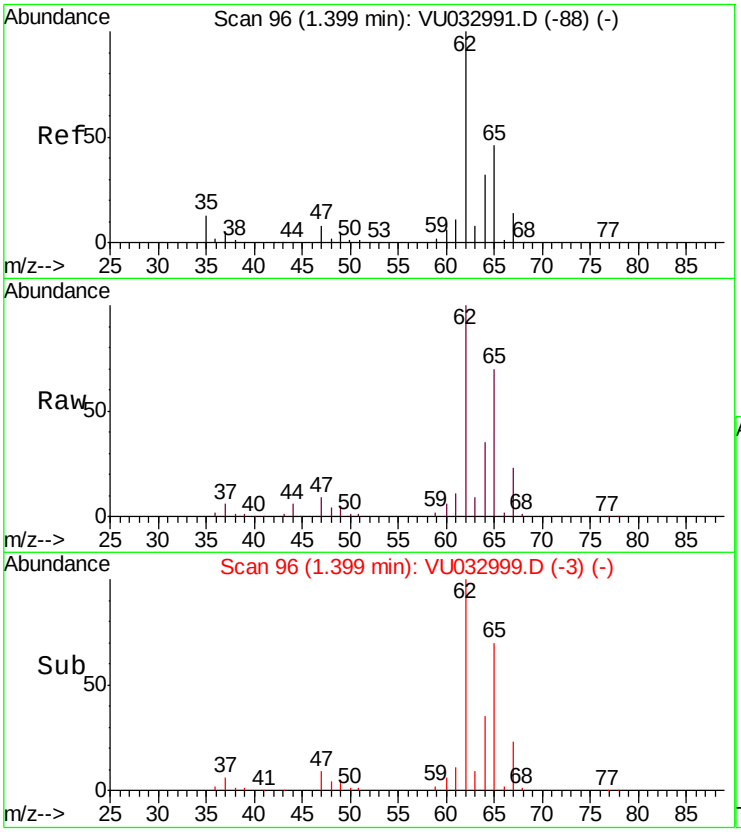
Quantitation Report (Not Reviewed)

Data File : VU032999.D
Acq On : 24 Jun 2019 12:04
Operator : JC/SP
Sample : K3478-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF26

Quant Time: Jun 25 05:26:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration



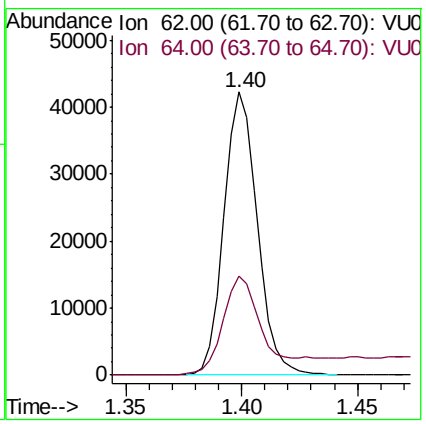


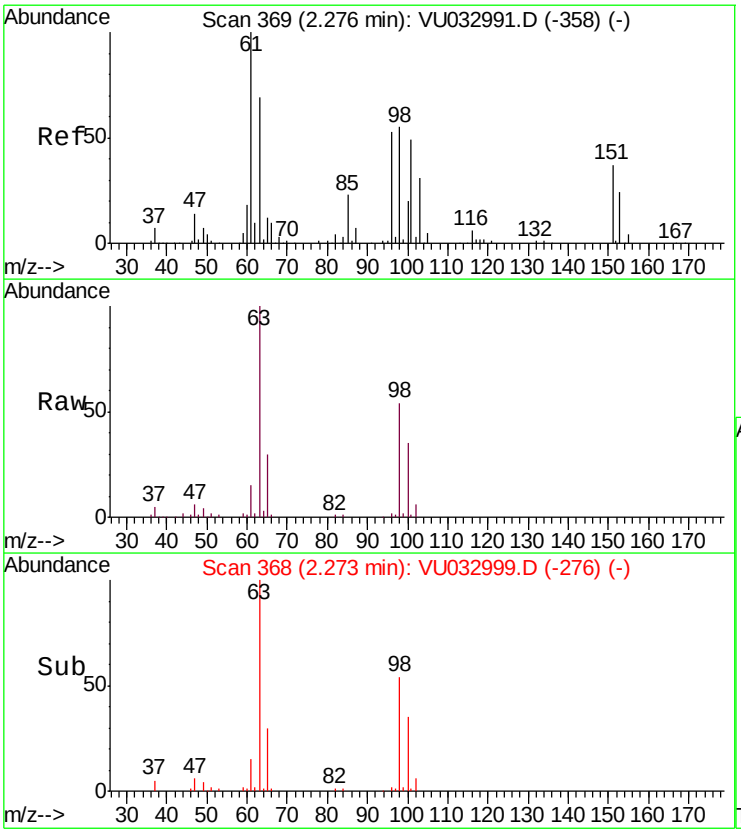
#5
Vinyl chloride
Concen: 24.276 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument : MSVOA_U
ClientSampleId : ETF26

Tgt Ion: 62 Resp: 42071

Ion	Ratio	Lower	Upper
62	100		
64	34.9	23.0	42.6

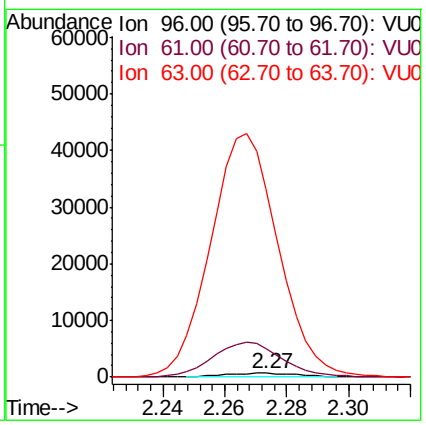


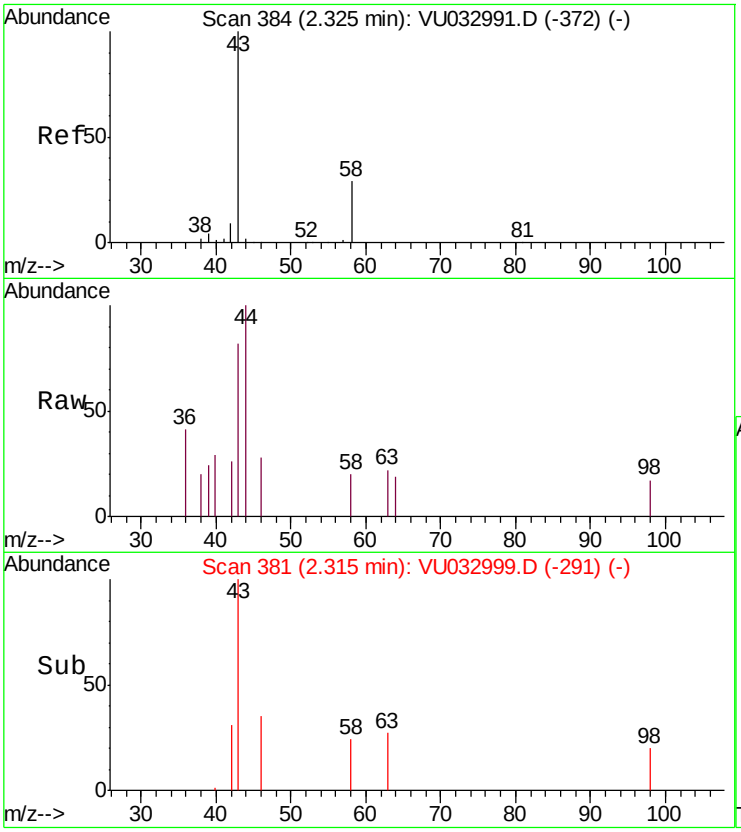


#12
1,1-Dichloroethene
Concen: 0.954 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion: 96 Resp: 1147

Ion	Ratio	Lower	Upper
96	100		
61	765.1	131.0	243.4#
63	5036.0	101.0	187.6#



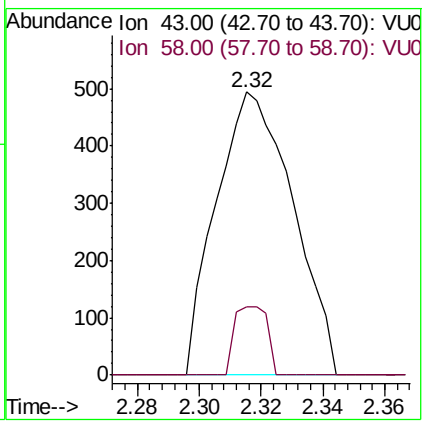


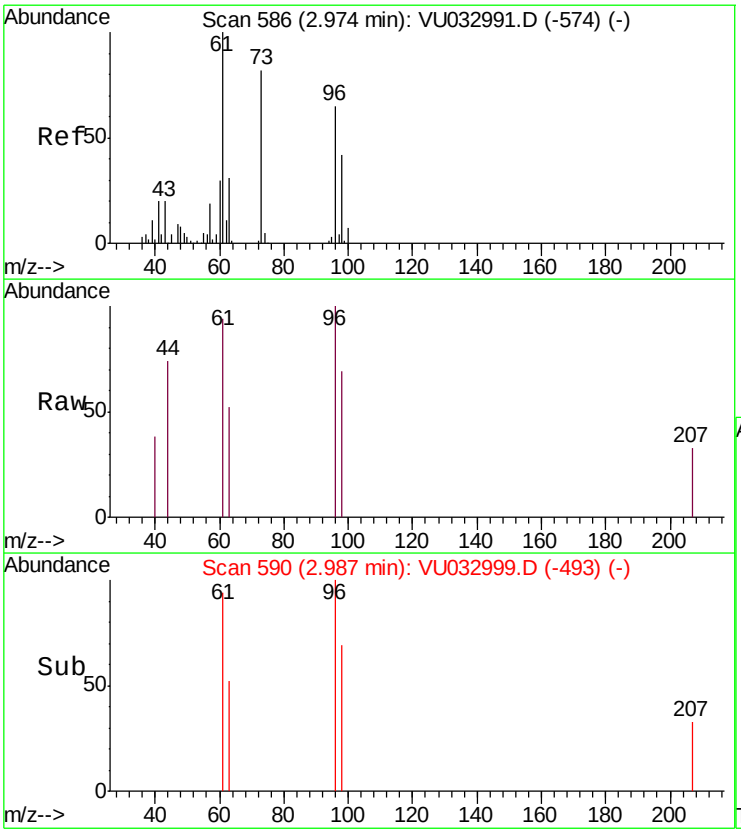
#13
Acetone
Concen: 0.569 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.01 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument : MSVOA_U
ClientSampleId : ETF26

Tgt Ion: 43 Resp: 853

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	60.6

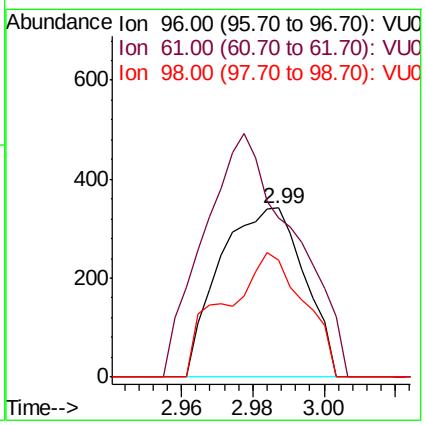


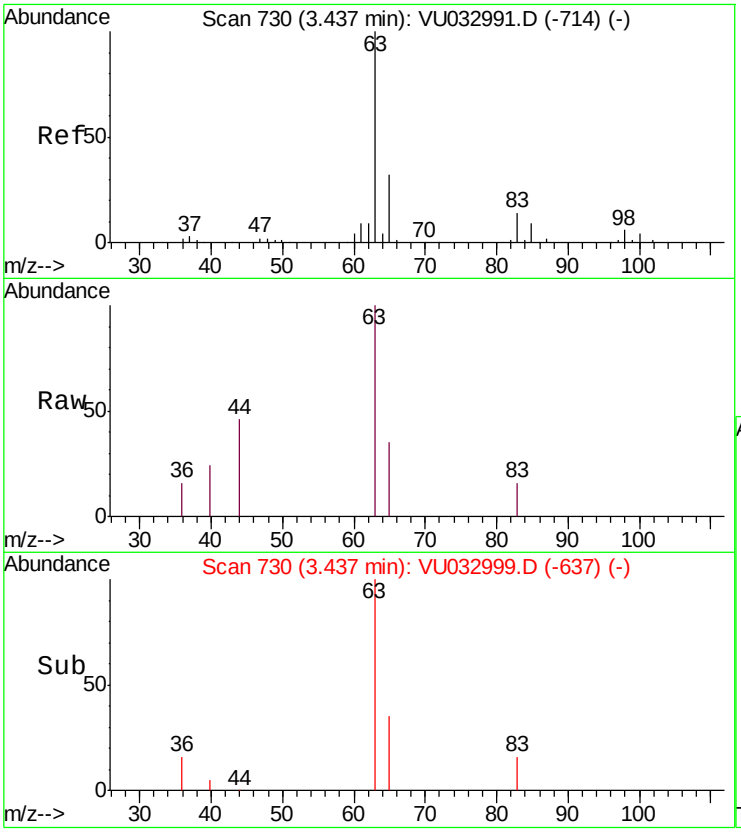


#17
trans-1,2-Dichloroethene
Concen: 0.430 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.01 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion: 96 Resp: 560

Ion	Ratio	Lower	Upper
96	100		
61	94.4	100.9	187.5#
98	68.9	44.0	81.8



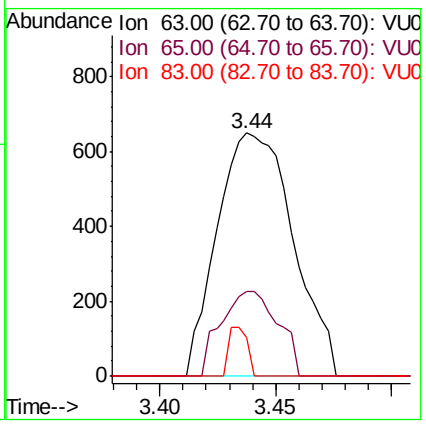


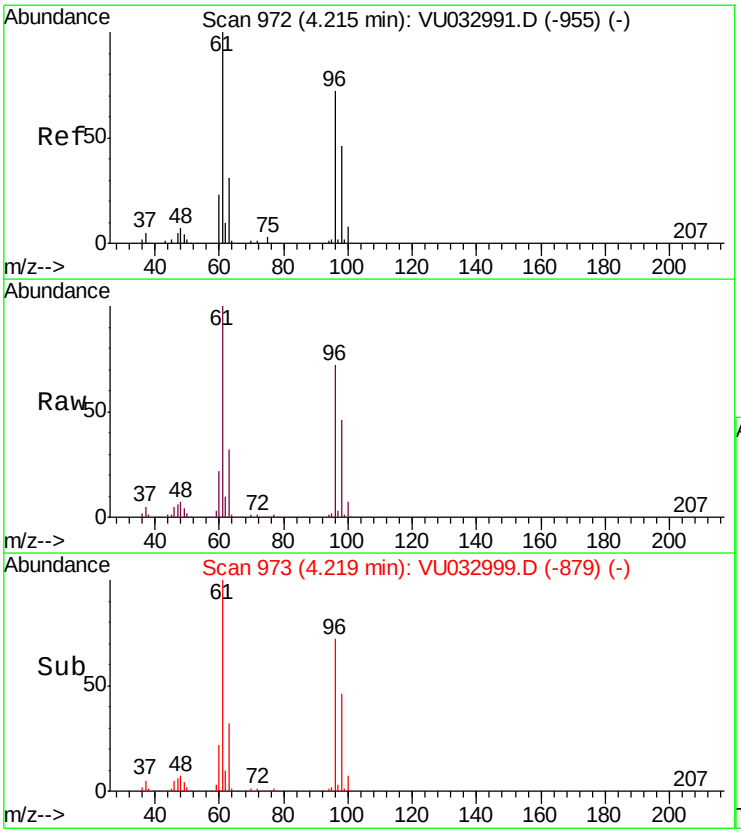
#19
1,1-Dichloroethane
Concen: 0.595 ug/L
RT: 3.44 min Scan# 730
Delta R.T. 0.00 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument :
MSVOA_U
ClientSampleId :
ETF26

Tgt Ion: 63 Resp: 1478

Ion	Ratio	Lower	Upper
63	100		
65	34.8	22.0	41.0
83	15.7	9.5	17.7

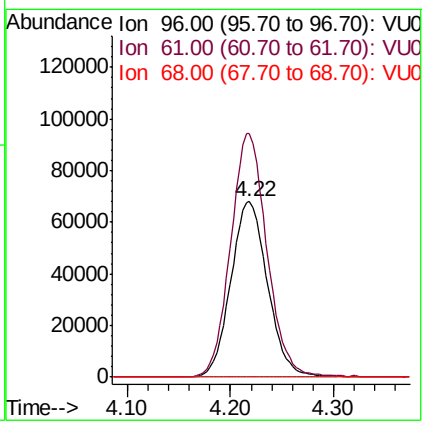


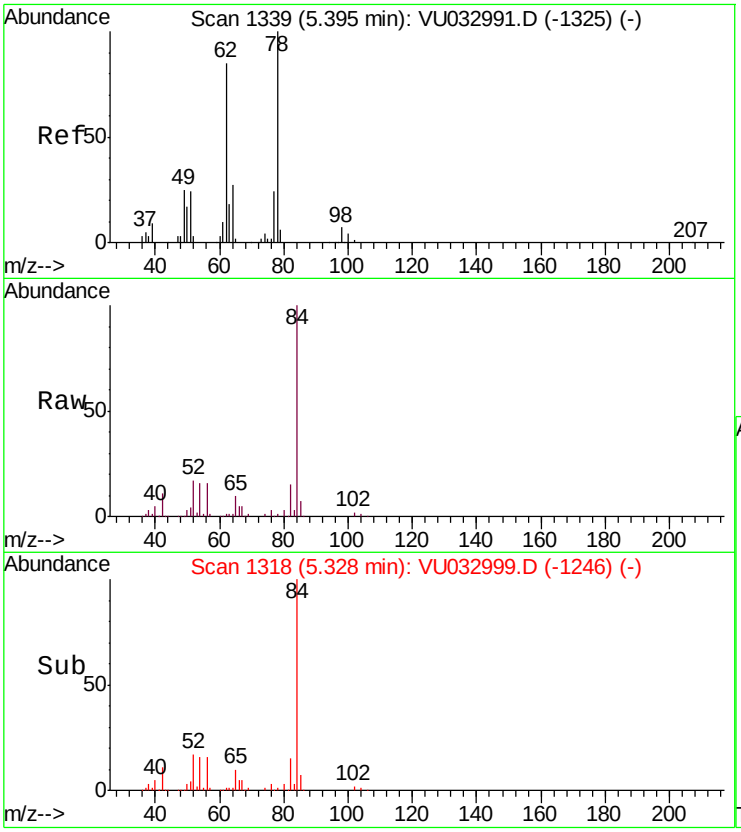


#20
cis-1,2-Dichloroethene
Concen: 118.871 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion: 96 Resp: 168769

Ion	Ratio	Lower	Upper
96	100		
61	138.9	92.4	171.6
68	0.0	0.0	0.0



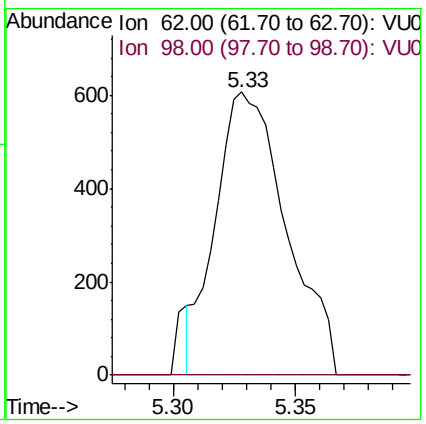


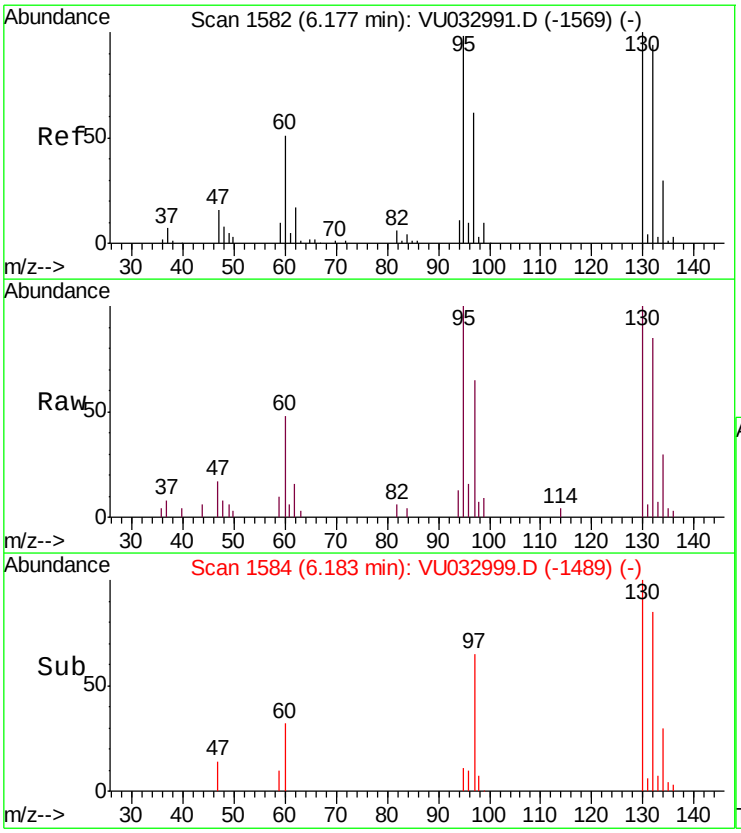
#27
1,2-Dichloroethane
Concen: 0.582 ug/L
RT: 5.33 min Scan# 1318
Delta R.T. -0.07 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument : MSVOA_U
ClientSampleId : ETF26

Tgt Ion: 62 Resp: 1226

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	10.0#

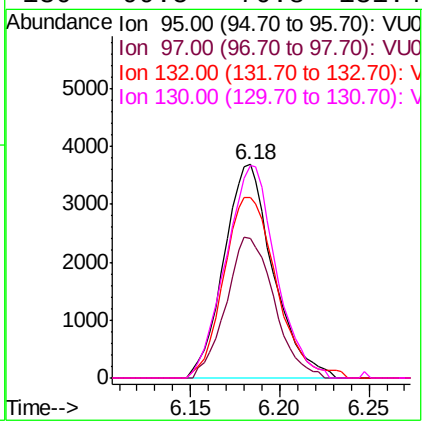


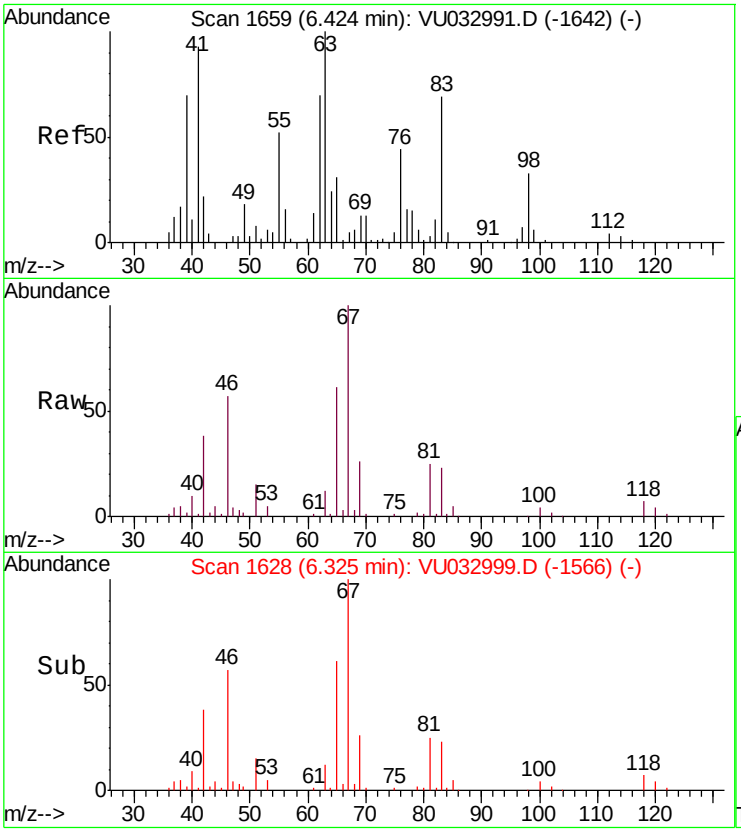


#34
Trichloroethene
Concen: 4.879 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion: 95 Resp: 7069

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.9	85.3
132	84.6	68.5	127.3
130	99.5	70.8	131.4



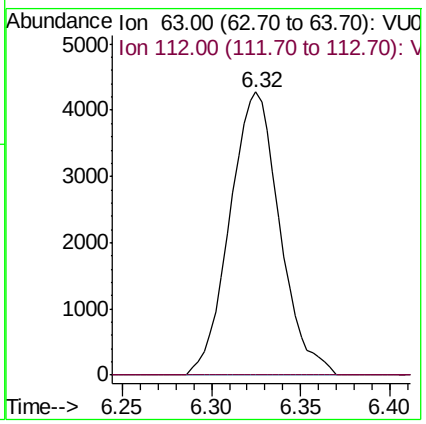


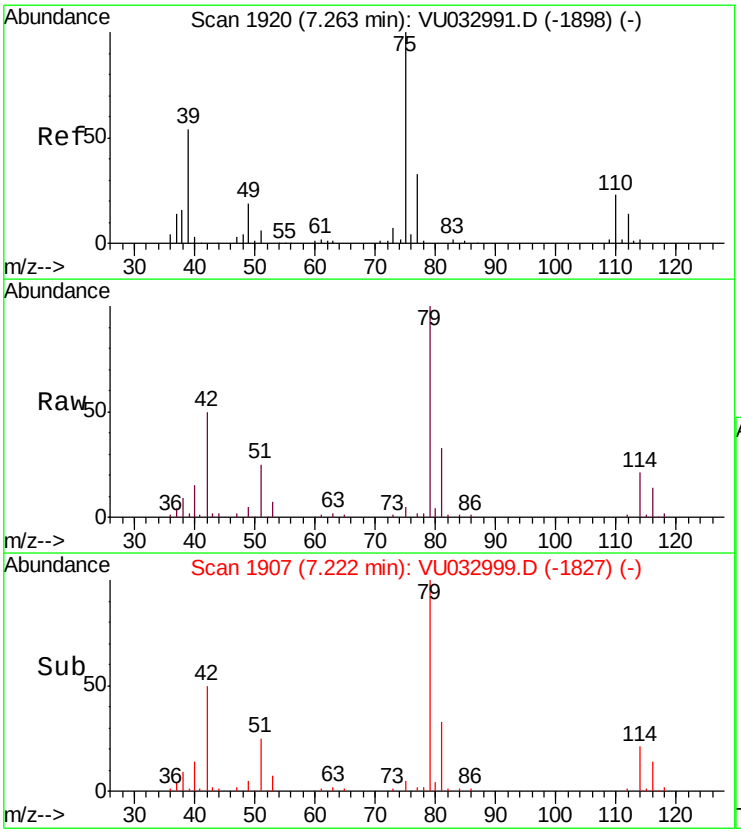
#37
1,2-Dichloropropane
Concen: 5.615 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument :
MSVOA_U
ClientSampleId :
ETF26

Tgt Ion: 63 Resp: 8351

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.6#

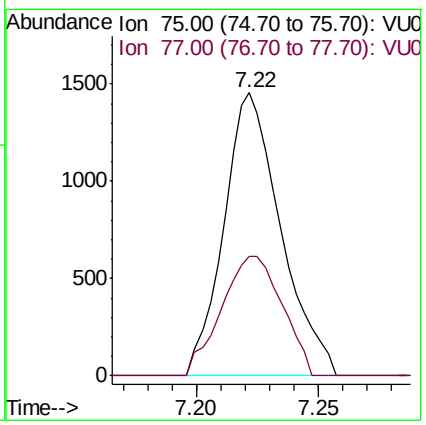


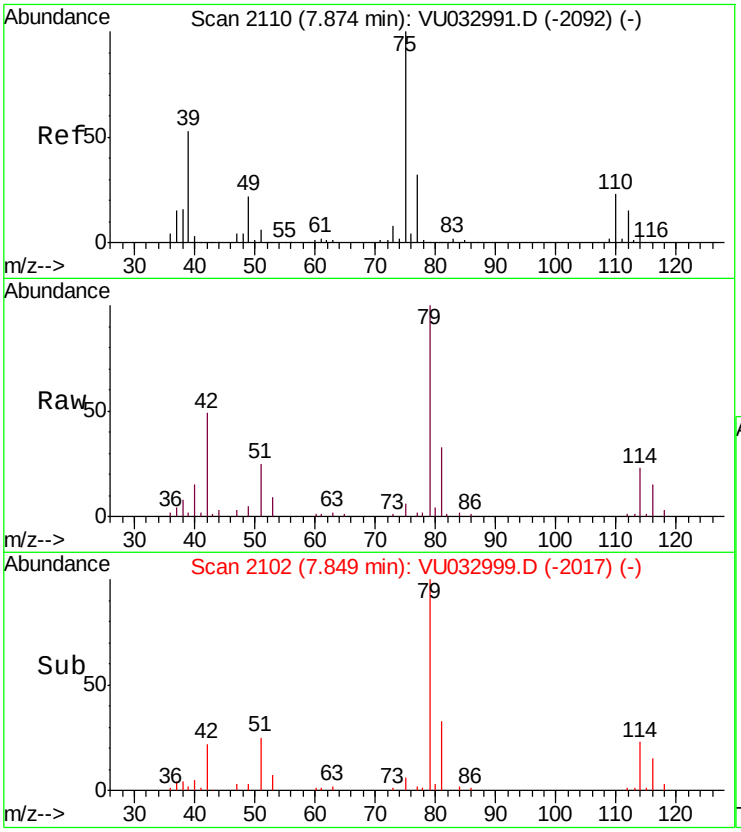


#39
cis-1,3-Dichloropropene
Concen: 1.017 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion: 75 Resp: 2356

Ion	Ratio	Lower	Upper
75	100		
77	42.3	21.9	40.7#



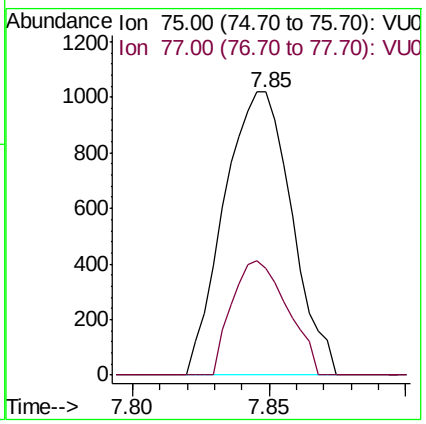


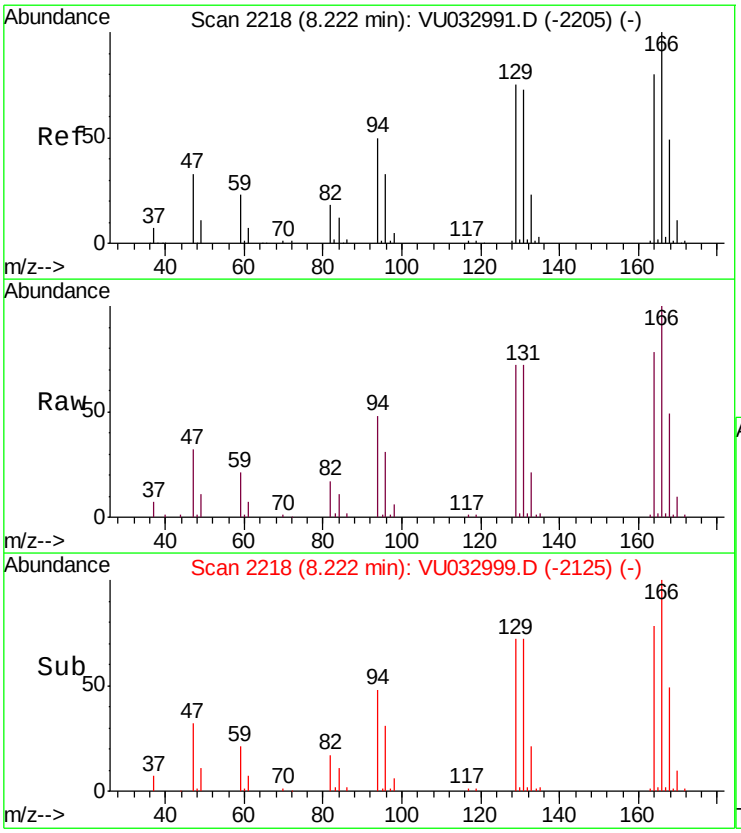
#44
trans-1,3-Dichloropropene
Concen: 0.805 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument : MSVOA_U
ClientSampleId : ETF26

Tgt Ion: 75 Resp: 1753

Ion	Ratio	Lower	Upper
75	100		
77	37.8	21.8	40.4

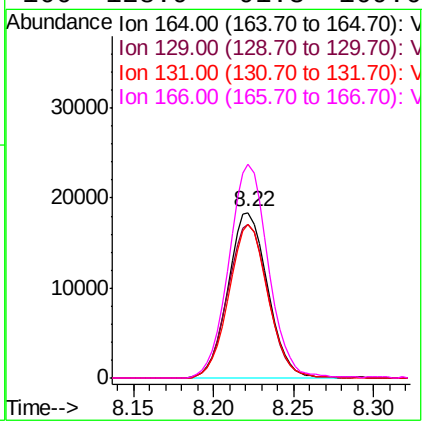


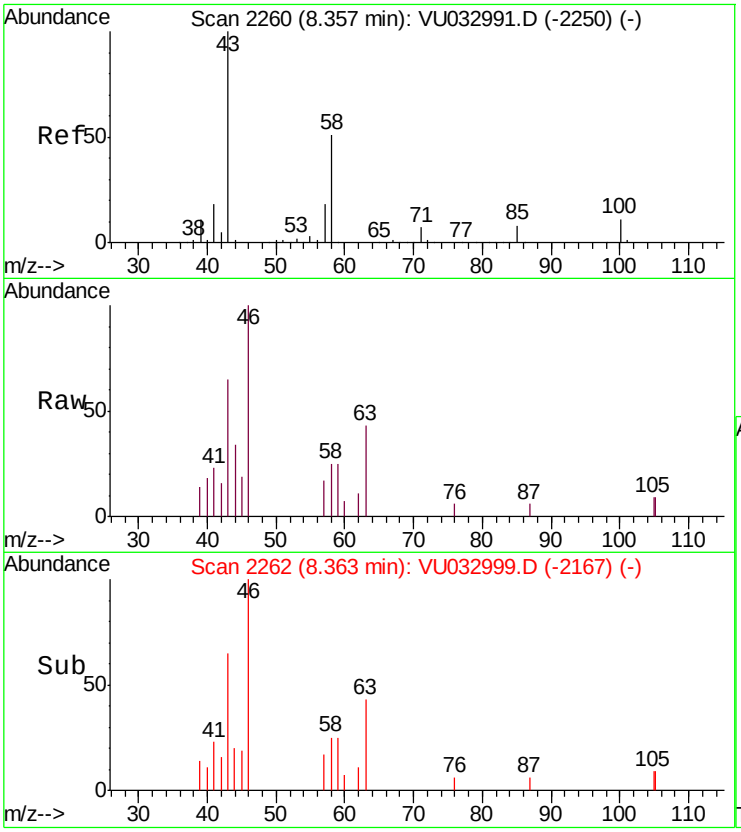


#46
Tetrachloroethene
Concen: 26.122 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion:164 Resp: 31010

Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.8	120.3
131	92.7	64.5	119.7
166	128.9	91.3	169.6



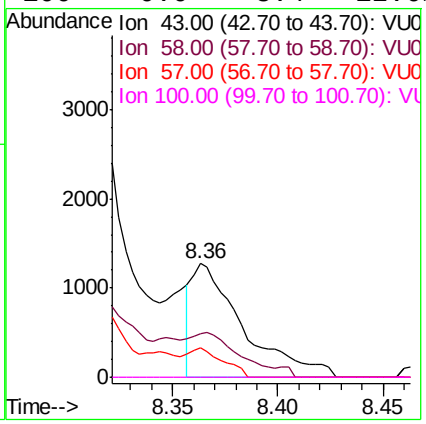


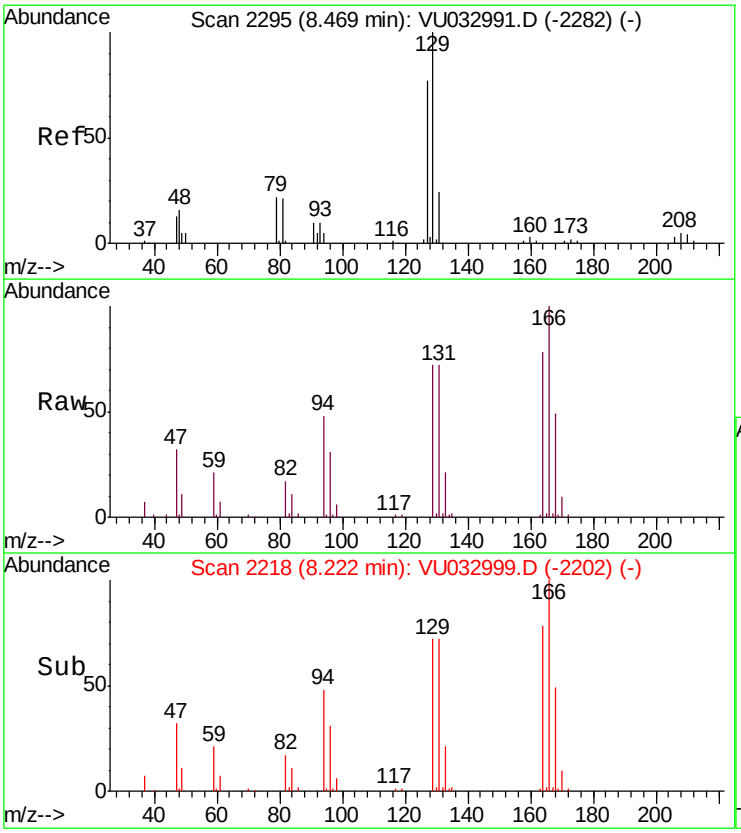
#48
2-Hexanone
Concen: 1.018 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument : MSVOA_U
ClientSampleId : ETF26

Tgt Ion: 43 Resp: 2132

Ion	Ratio	Lower	Upper
43	100		
58	2.2	40.2	60.2#
57	17.9	14.2	21.4
100	0.0	8.4	12.6#

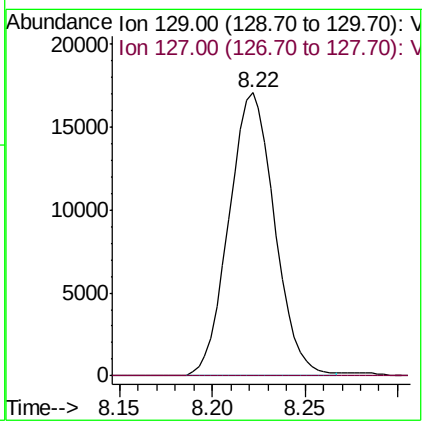


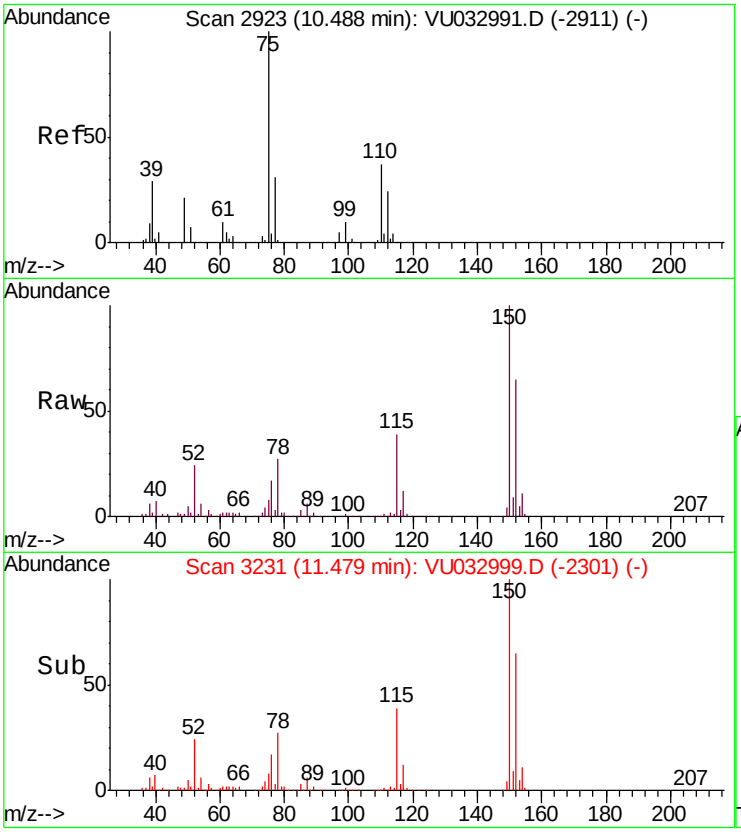


#49
Dibromochloromethane
Concen: 17.455 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Tgt Ion:129 Resp: 29131

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.3	97.1#





#59
1,2,3-Trichloropropane
Concen: 5.775 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032999.D
Acq: 24 Jun 2019 12:04

Instrument :
MSVOA_U
ClientSampleId :
ETF26

Tgt Ion: 75 Resp: 11462

Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.5	38.3