Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\

Quantitation Report (Not Reviewed)

Data File : VU030368.D
Acq On : 24 Mar 2019 14:15
Operator : JC/SP
Sample : K2016-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0979

Quant Time: Mar 25 03:24:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	392798	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	379401	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155248	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	137797	43.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.18%			
7) Chloroethane-d5	1.68	69	116759	46.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.20%			
11) 1,1-Dichloroethene-d2	2.27	63	201654	33.63	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.26%			
21) 2-Butanone-d5	4.17	46	278956	93.87	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.87%			
24) Chloroform-d	4.65	84	256641	47.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.24%			
26) 1,2-Dichloroethane-d4	5.31	65	172740	48.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.94%			
32) Benzene-d6	5.34	84	527314	48.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.94%			
36) 1,2-Dichloropropane-d6	6.33	67	187783	50.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.88%			
41) Toluene-d8	7.56	98	462565	47.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.68%			
43) trans-1,3-Dichloropropene-	7.85	79	73958	42.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.50%			
47) 2-Hexanone-d5	8.31	63	186449	92.43	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.43%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	249746	46.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.76%			
64) 1,2-Dichlorobenzene-d4	11.86	152	158557	50.97	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.94%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1702	0.594	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1638	0.583	ug/L #	1
13) Acetone	2.32	43	5628	1.873	ug/L	95
27) 1,2-Dichloroethane	5.39	62	6812	1.509	ug/L #	75
33) Benzene	5.39	78	985623	76.315	ug/L	100
39) cis-1,3-Dichloropropene	7.23	75	4366	0.829	ug/L #	48
44) trans-1,3-Dichloropropene	7.85	75	2783	0.600	ug/L	98
48) 2-Hexanone	8.37	43	4848	0.961	ug/L #	45
51) Chlorobenzene	9.12	112	843707	103.860	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	5403	1.211	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	15882	3.128	ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	168502	32.239	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	151819	29.573	ug/L	100
67) 1,3,5-Trichlorobenzene	13.51	180	6224	1.638	ug/L #	91
68) 1,2,4-trichlorobenzene	13.51	180	6224	1.885	ug/L #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\

Quantitation Report (Not Reviewed)

Data File : VU030368.D
Acq On : 24 Mar 2019 14:15
Operator : JC/SP
Sample : K2016-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0979

Quant Time: Mar 25 03:24:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

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

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

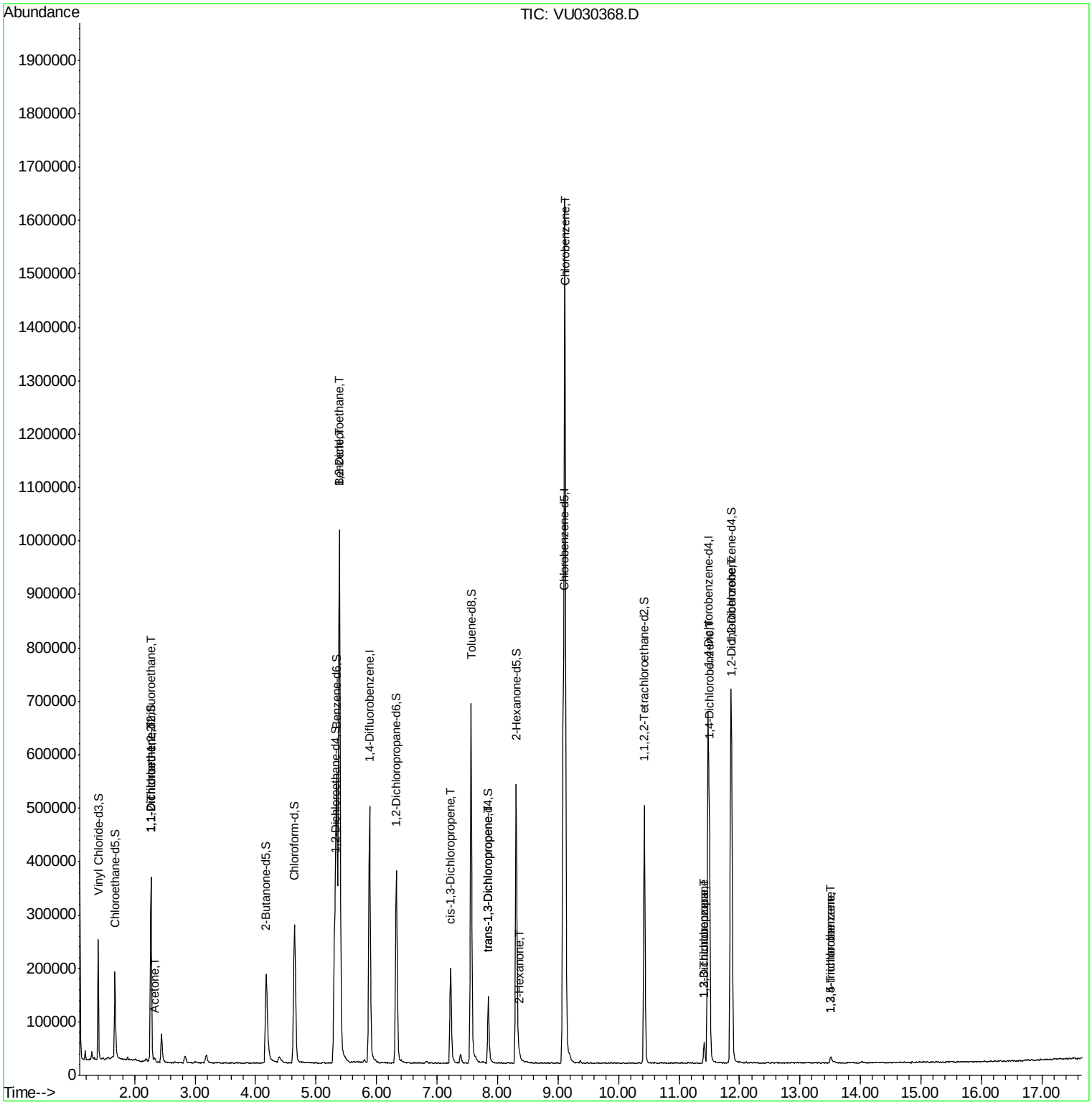
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\

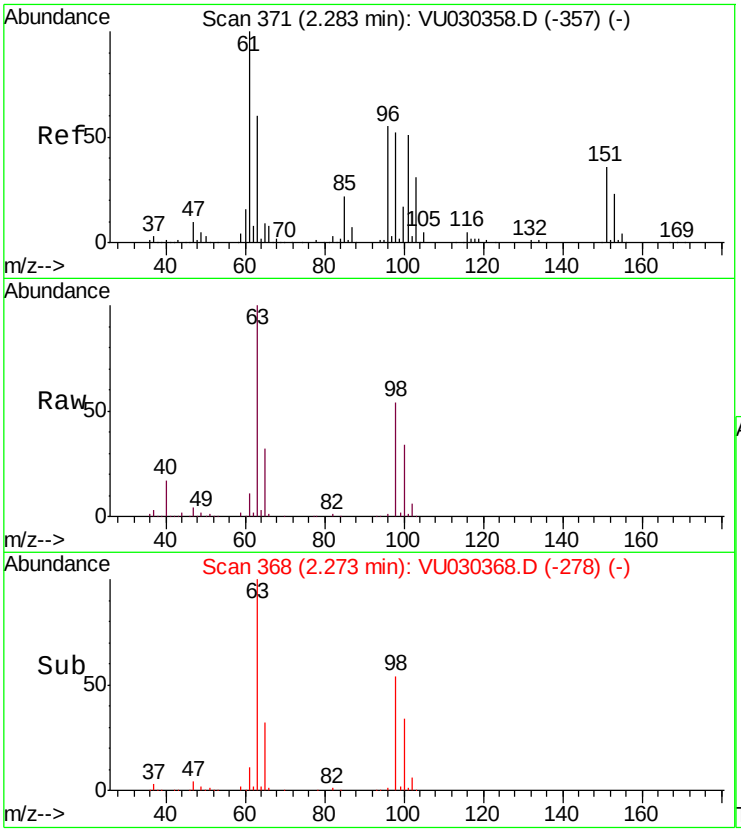
Quantitation Report (Not Reviewed)

Data File : VU030368.D
Acq On : 24 Mar 2019 14:15
Operator : JC/SP
Sample : K2016-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0979

Quant Time: Mar 25 03:24:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration



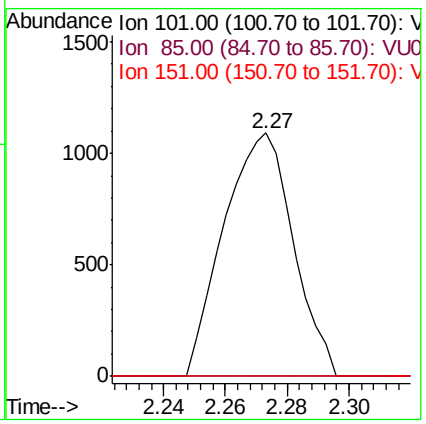


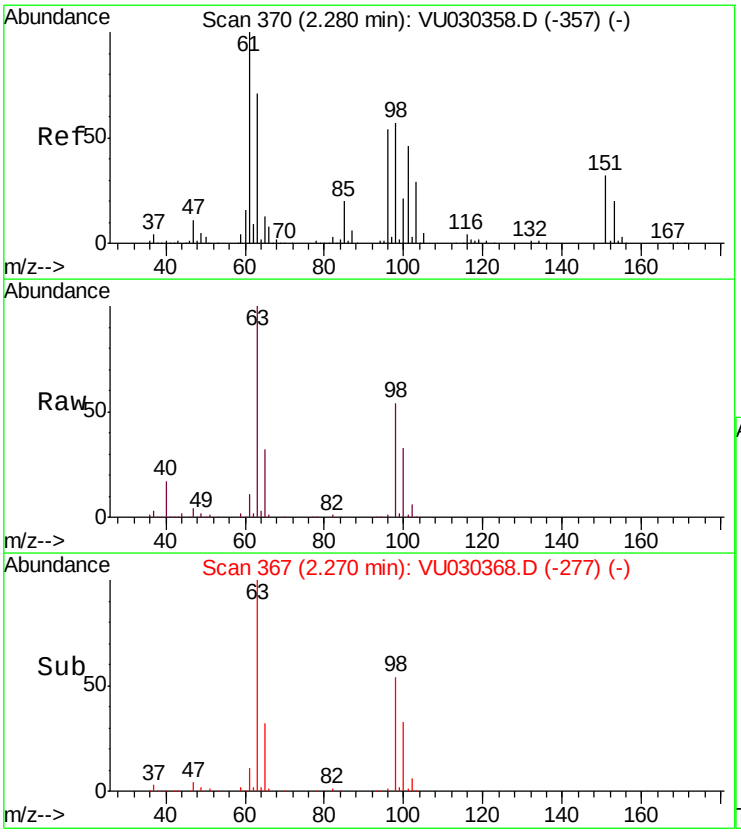
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.594 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion:101 Resp: 1702

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.8	52.2#
151	0.0	56.6	85.0#

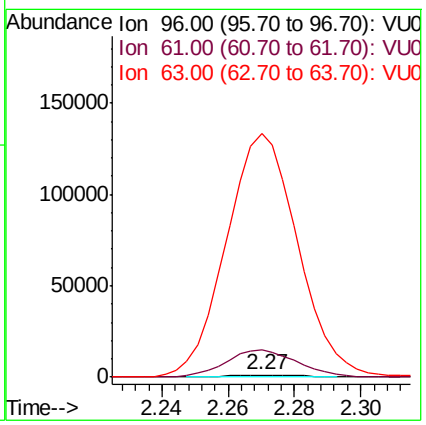


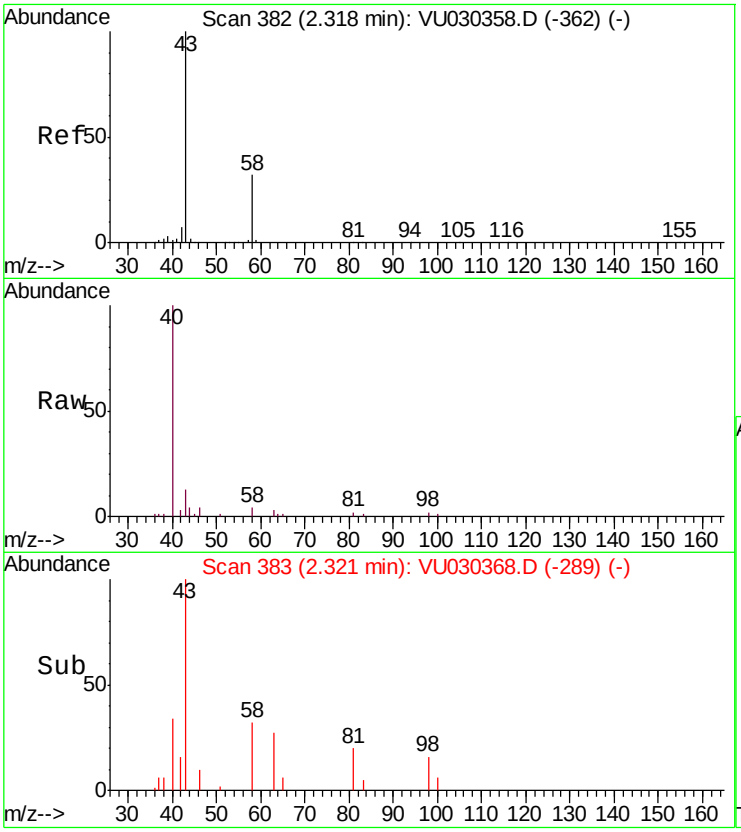


#12
1,1-Dichloroethene
Concen: 0.583 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion: 96 Resp: 1638

Ion	Ratio	Lower	Upper
96	100		
61	1261.0	131.0	243.4#
63	11433.3	92.4	171.6#



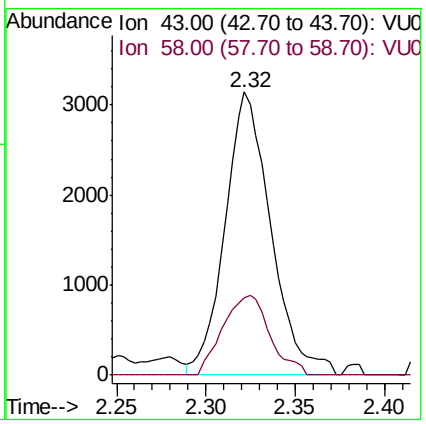


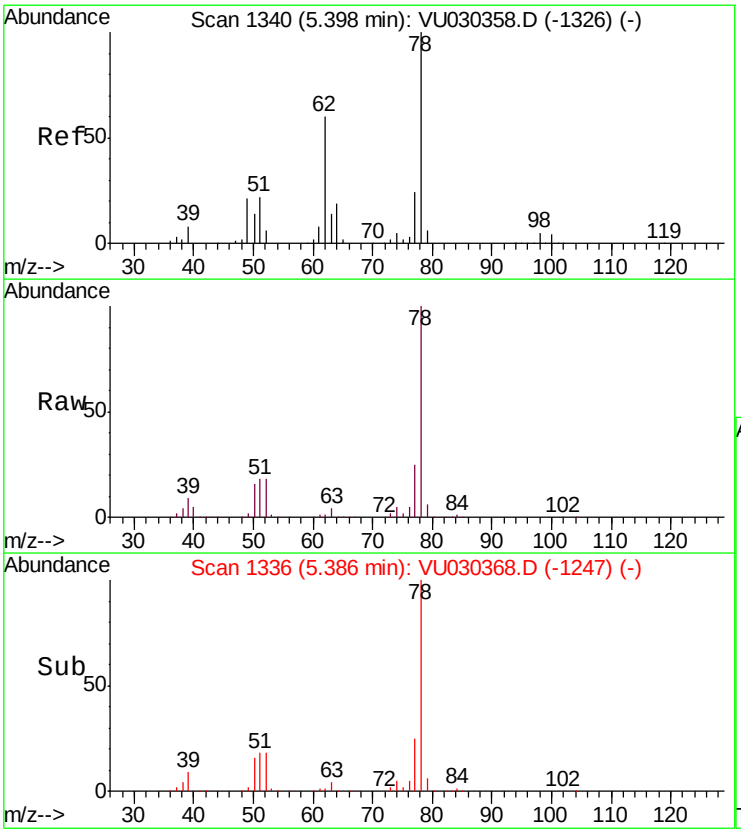
#13
Acetone
Concen: 1.873 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument : MSVOA_U
ClientSampleId : C0979

Tgt Ion: 43 Resp: 5628

Ion	Ratio	Lower	Upper
43	100		
58	28.7	0.0	62.8

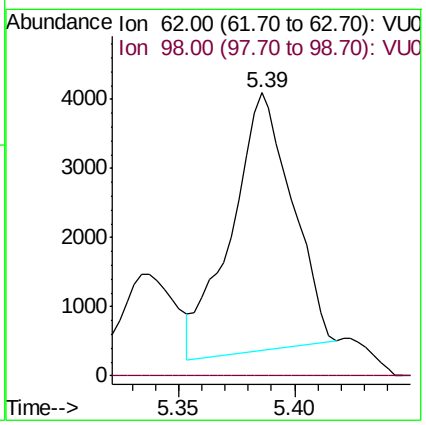


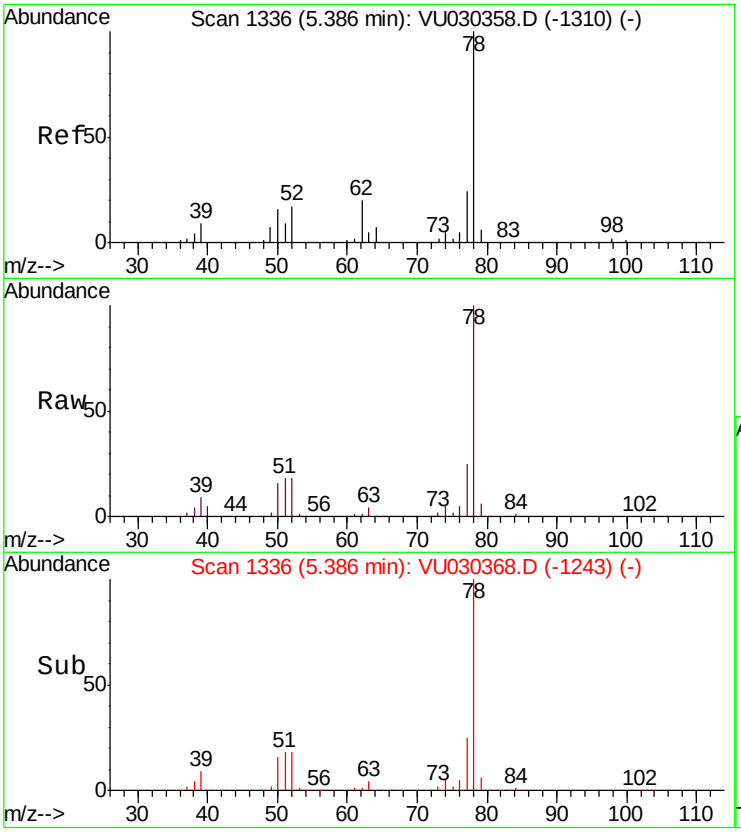


#27
1,2-Dichloroethane
Concen: 1.509 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion: 62 Resp: 6812

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#

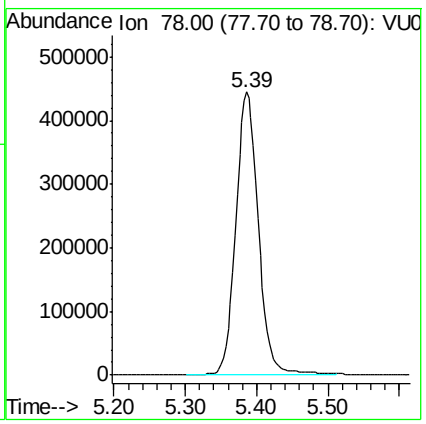


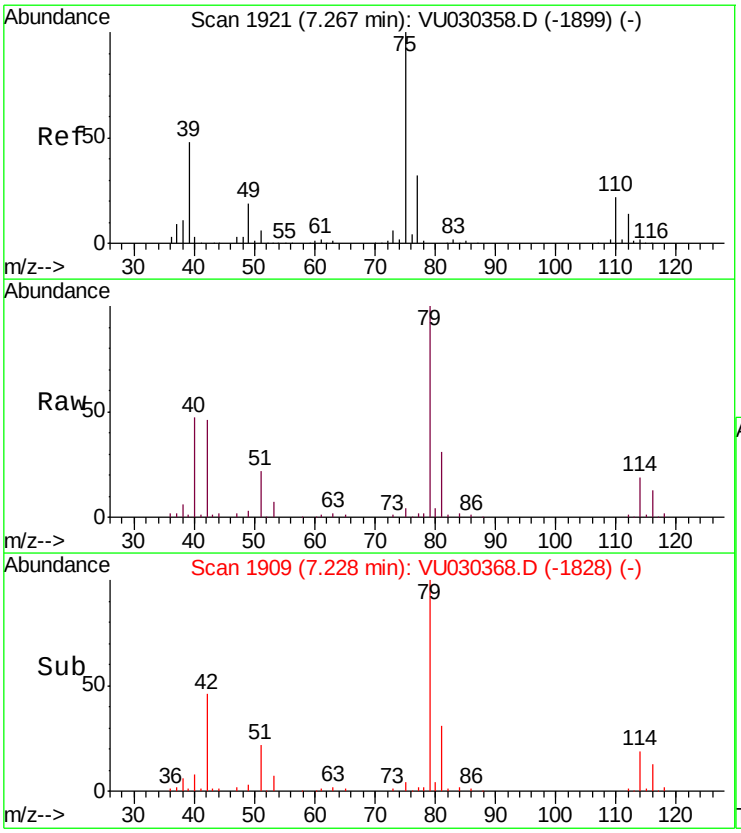


#33
Benzene
Concen: 76.315 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion: 78 Resp: 985623

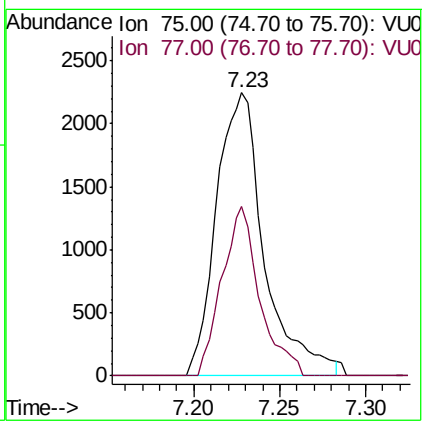


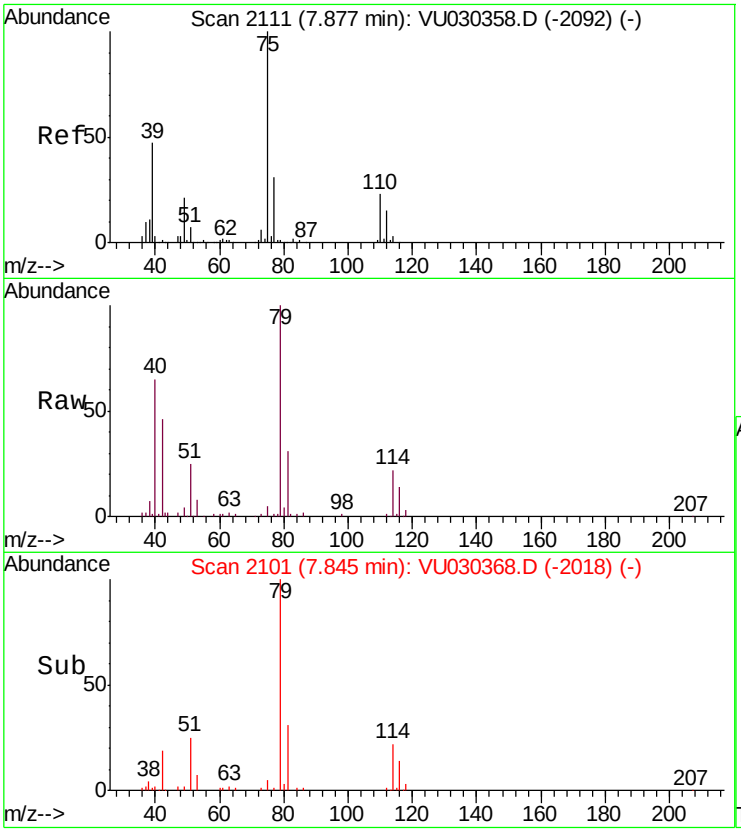


#39
cis-1,3-Dichloropropene
Concen: 0.829 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion: 75 Resp: 4366

Ion	Ratio	Lower	Upper
75	100		
77	60.0	21.8	40.6#



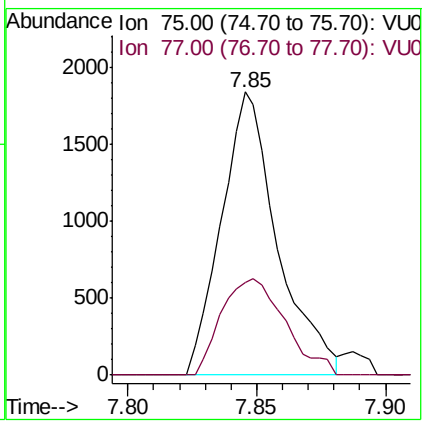


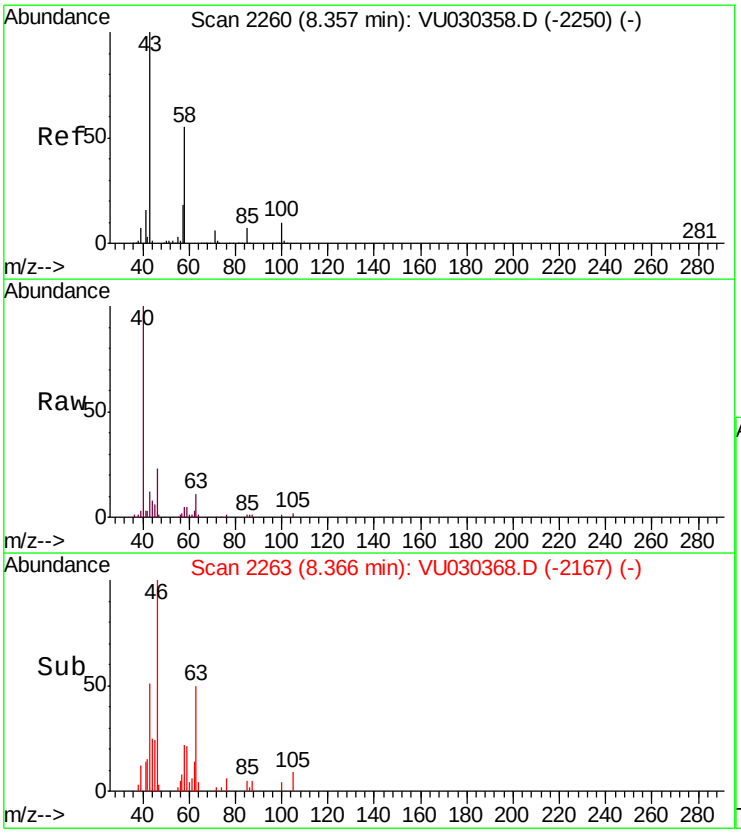
#44
trans-1,3-Dichloropropene
Concen: 0.600 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion: 75 Resp: 2783

Ion	Ratio	Lower	Upper
75	100		
77	32.6	22.0	40.8

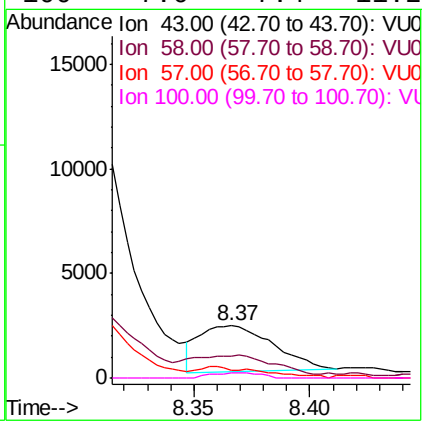


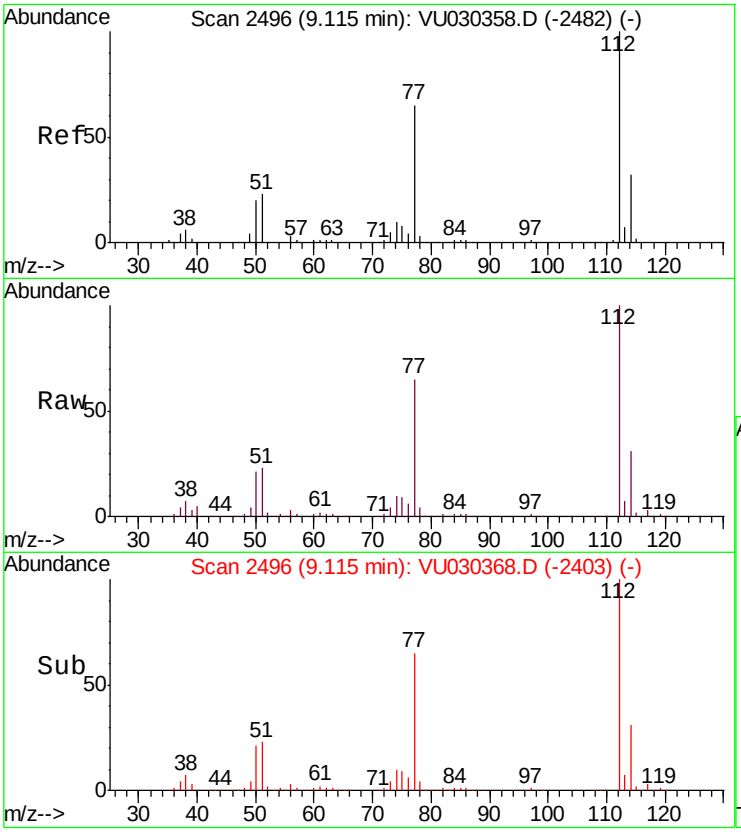


#48
2-Hexanone
Concen: 0.961 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion: 43 Resp: 4848

Ion	Ratio	Lower	Upper
43	100		
58	2.5	42.5	63.7#
57	3.8	15.0	22.6#
100	7.6	7.4	11.2



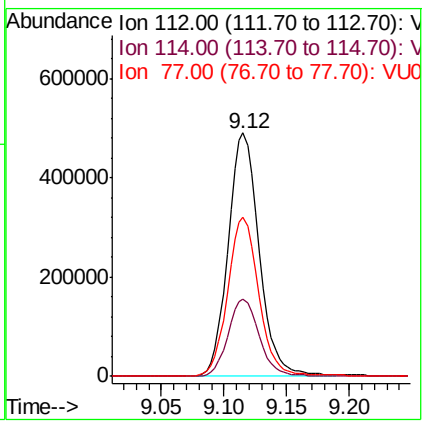


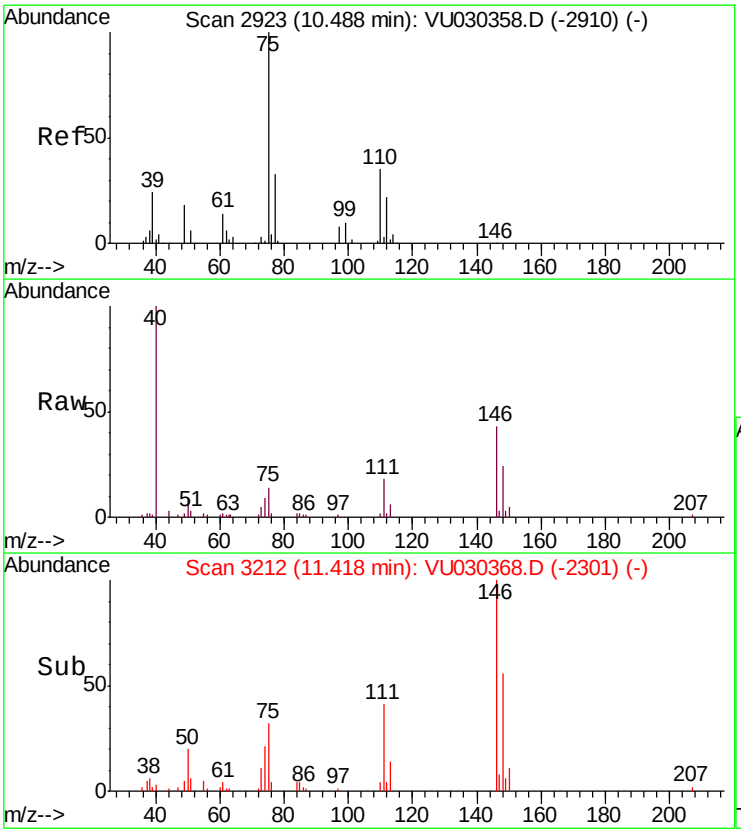
#51
Chlorobenzene
Concen: 103.860 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion:112 Resp: 843707

Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.5	39.9
77	65.1	51.4	77.0

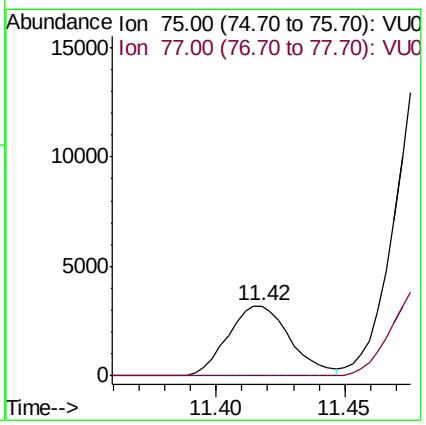


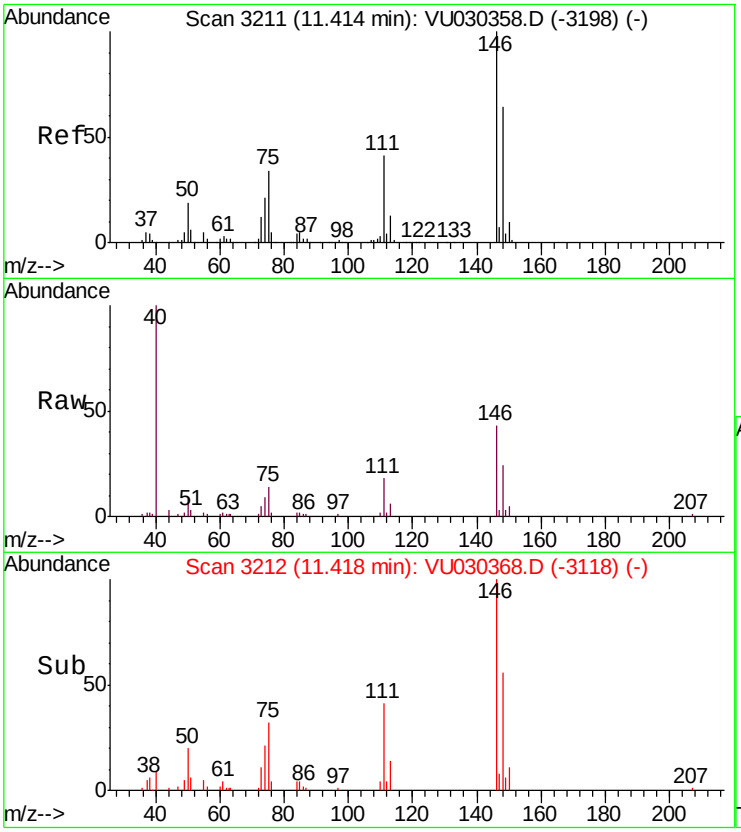


#59
1,2,3-Trichloropropane
Concen: 1.211 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.93 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion: 75 Resp: 5403

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.2#



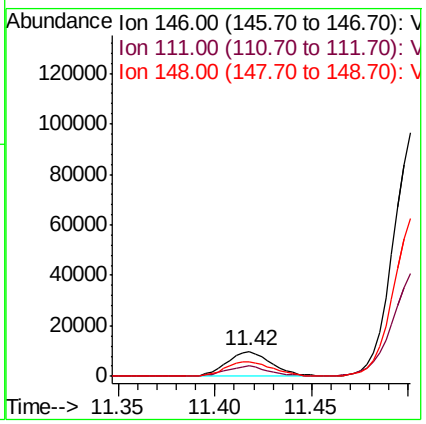


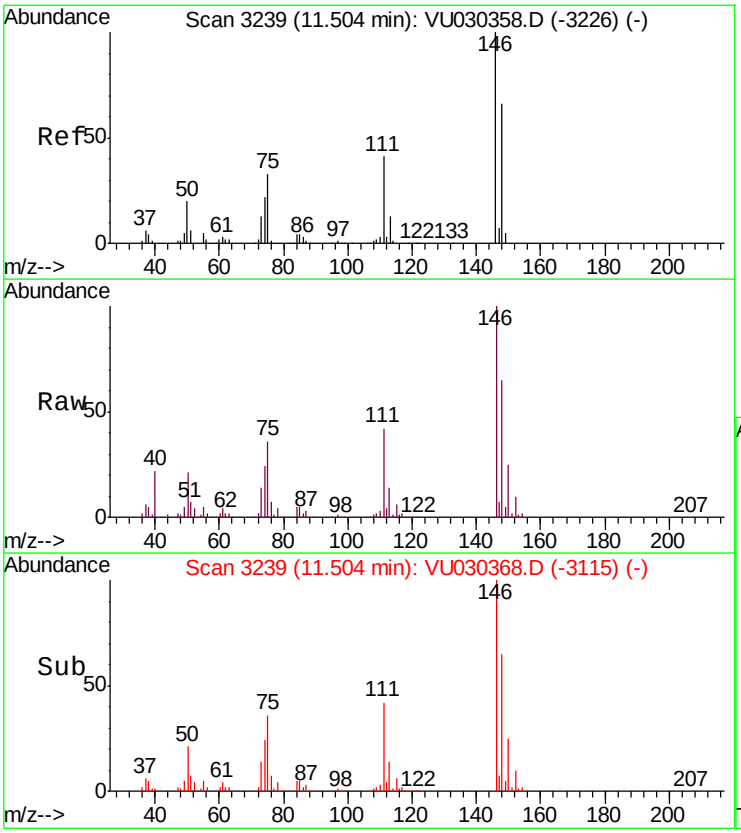
#62
1,3-Dichlorobenzene
Concen: 3.128 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion:146 Resp: 15882

Ion	Ratio	Lower	Upper
146	100		
111	40.8	29.2	54.2
148	56.4	44.4	82.4

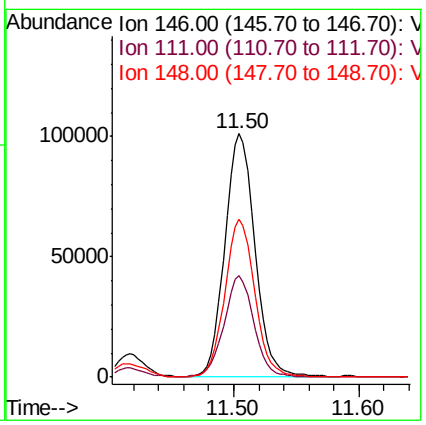


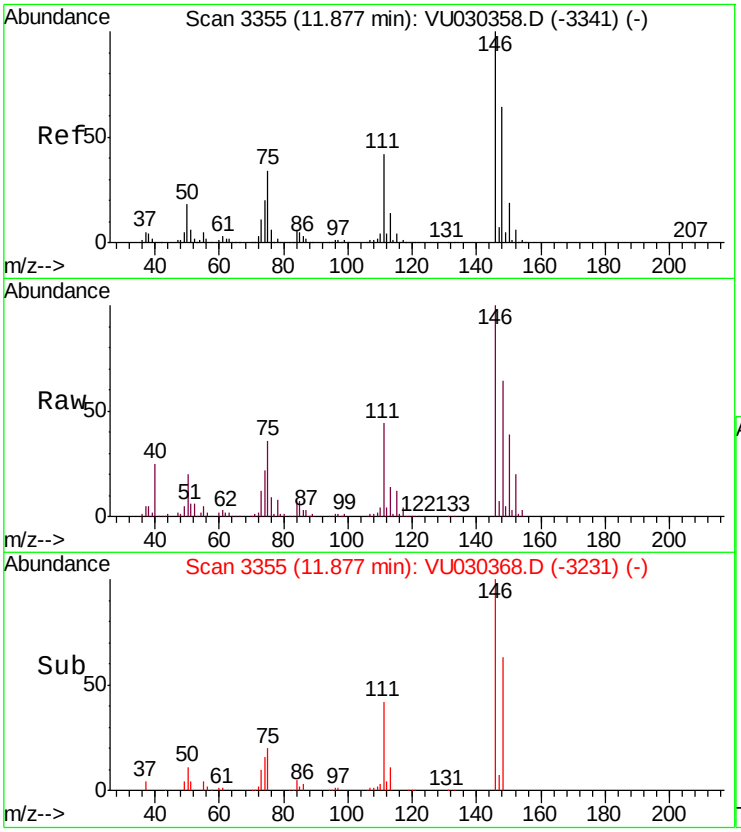


#63
1,4-Dichlorobenzene
Concen: 32.239 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion:146 Resp: 168502

Ion	Ratio	Lower	Upper
146	100		
111	41.7	28.7	53.3
148	65.0	44.3	82.3



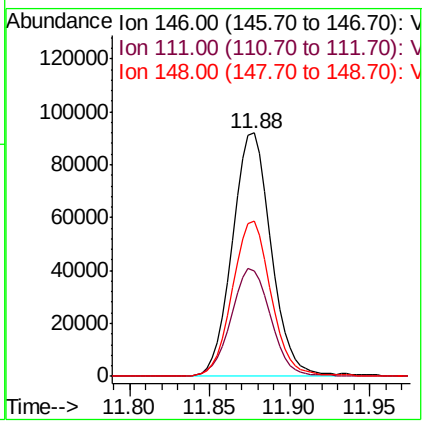


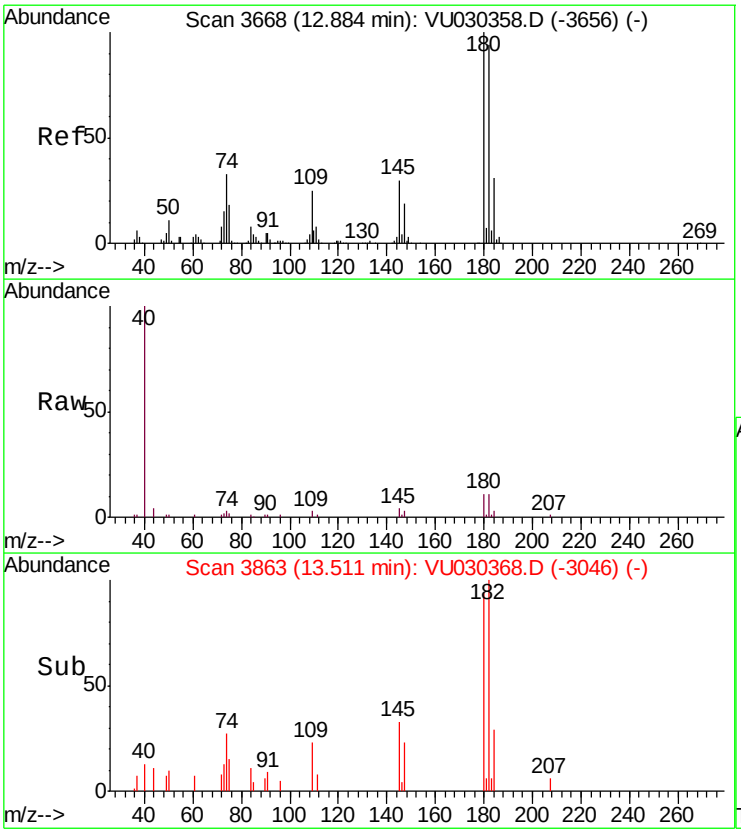
#65
1,2-Dichlorobenzene
Concen: 29.573 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion:146 Resp: 151819

Ion	Ratio	Lower	Upper
146	100		
111	43.5	34.9	52.3
148	63.6	51.2	76.8

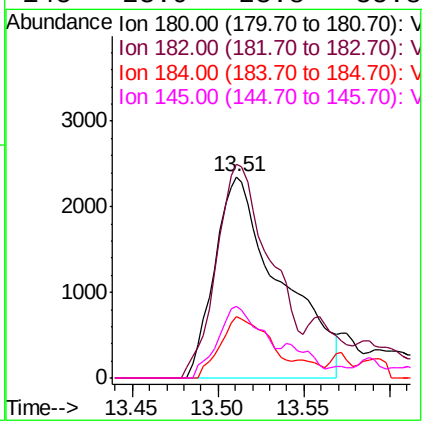


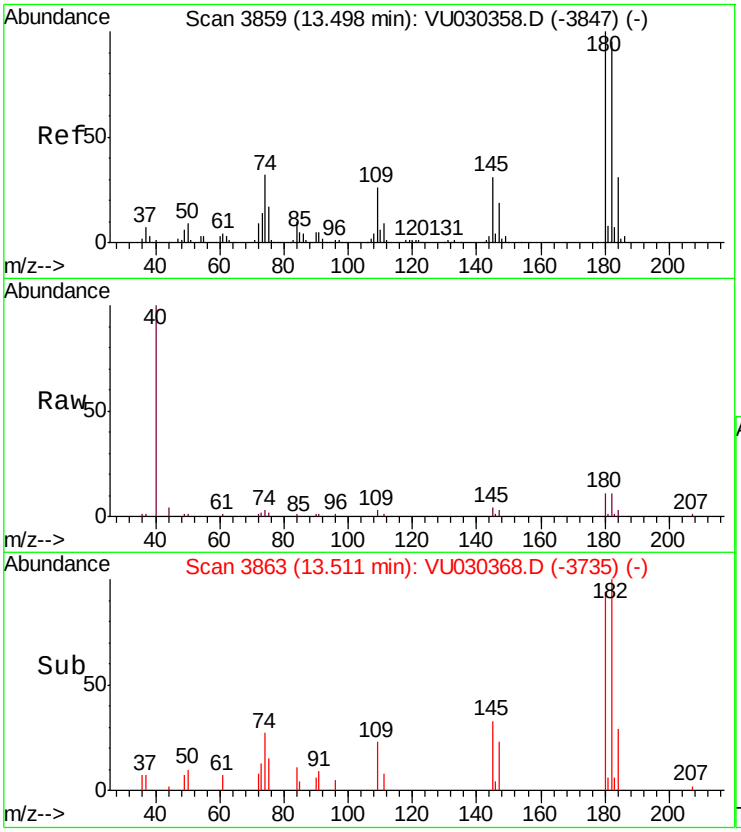


#67
1,3,5-Trichlorobenzene
Concen: 1.638 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. 0.63 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Tgt Ion:180 Resp: 6224

Ion	Ratio	Lower	Upper
180	100		
182	88.7	75.9	113.9
184	22.9	24.1	36.1#
145	23.9	23.8	35.8





#68
1,2,4-trichlorobenzene
Concen: 1.885 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. 0.01 min
Lab File: VU030368.D
Acq: 24 Mar 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
C0979

Tgt Ion:180 Resp: 6224

Ion	Ratio	Lower	Upper
180	100		
182	88.7	76.1	114.1
145	23.9	24.5	36.7#