Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\

Quantitation Report (Not Reviewed)

Data File : VU029062.D
Acq On : 07 Jan 2019 17:03
Operator : MD/SY
Sample : K1048-02RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0947

Quant Time: Jan 08 03:15:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	189633	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178401	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72025	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	70509	46.38	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.76%			
7) Chloroethane-d5	1.67	69	55098	46.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.84%			
11) 1,1-Dichloroethene-d2	2.27	63	88377	34.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.14%			
21) 2-Butanone-d5	4.17	46	104575	98.18	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 98.18%			
24) Chloroform-d	4.64	84	114160	47.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.50%			
26) 1,2-Dichloroethane-d4	5.31	65	72007	48.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.72%			
32) Benzene-d6	5.34	84	247861	49.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.36%			
36) 1,2-Dichloropropane-d6	6.33	67	84136	49.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.28%			
41) Toluene-d8	7.56	98	216782	47.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.92%			
43) trans-1,3-Dichloropropene-	7.85	79	35890	46.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.56%			
47) 2-Hexanone-d5	8.31	63	74221	91.27	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 91.27%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115336	48.55	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.10%			
64) 1,2-Dichlorobenzene-d4	11.86	152	75476	51.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.62%			
Target Compounds						Qvalue
8) Chloroethane	1.40	64	997	0.940	ug/L #	1
12) 1,1-Dichloroethene	2.26	96	770	0.633	ug/L #	1
13) Acetone	2.32	43	1843	1.698	ug/L	88
27) 1,2-Dichloroethane	5.34	62	1076	0.594	ug/L #	74
35) Methylcyclohexane	6.33	83	17908	7.841	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7773	4.896	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1941	0.858	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1230	0.610	ug/L	84
51) Chlorobenzene	9.12	112	15785	4.350	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	10716	5.656	ug/L	90
62) 1,3-Dichlorobenzene	11.42	146	3349	1.464	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	5938	2.519	ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	70880	29.698	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	4810	2.851	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	4810	3.405	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	4014	2.635	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\

Quantitation Report (Not Reviewed)

Data File : VU029062.D
Acq On : 07 Jan 2019 17:03
Operator : MD/SY
Sample : K1048-02RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0947

Quant Time: Jan 08 03:15:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

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

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

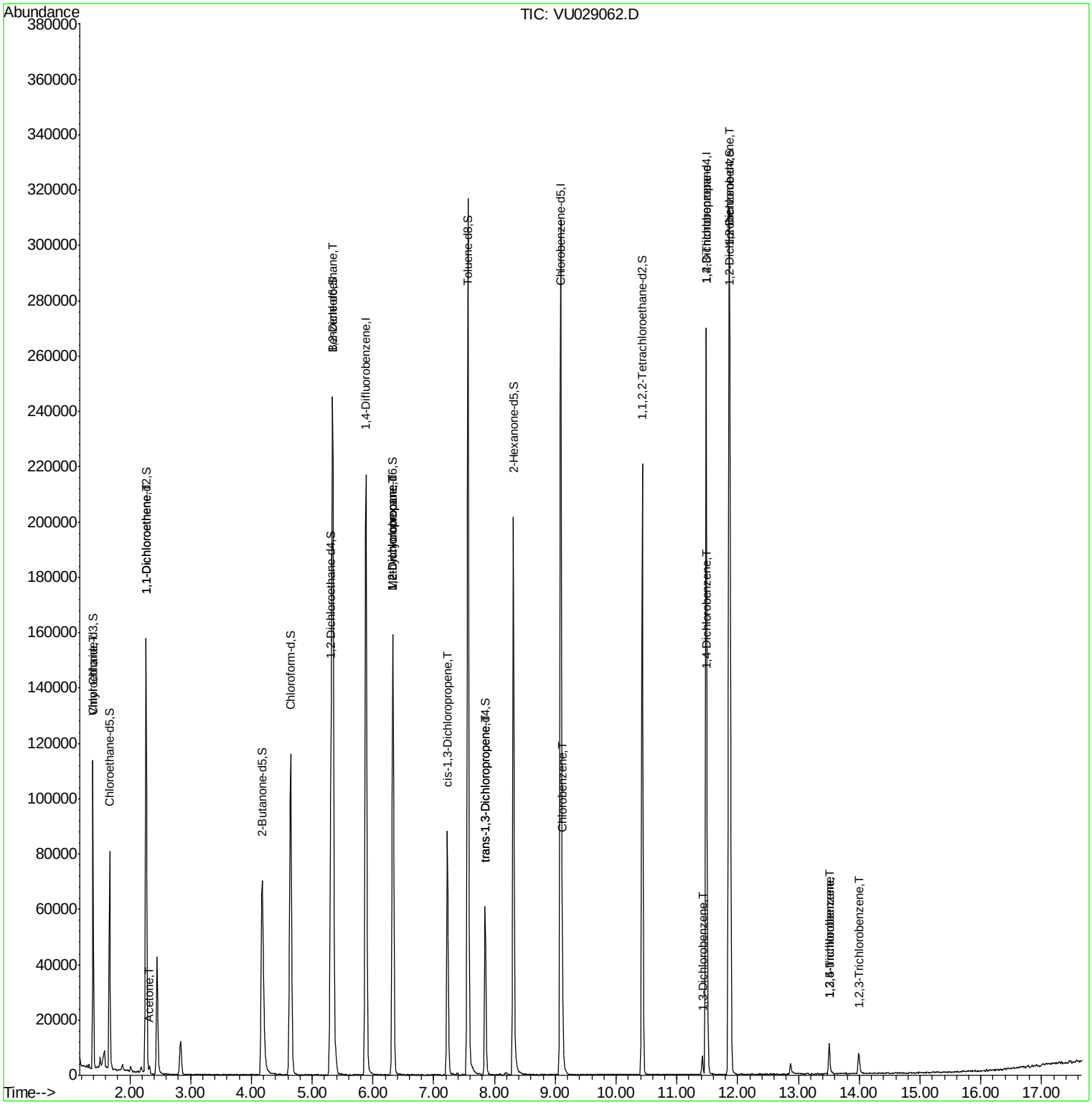
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\

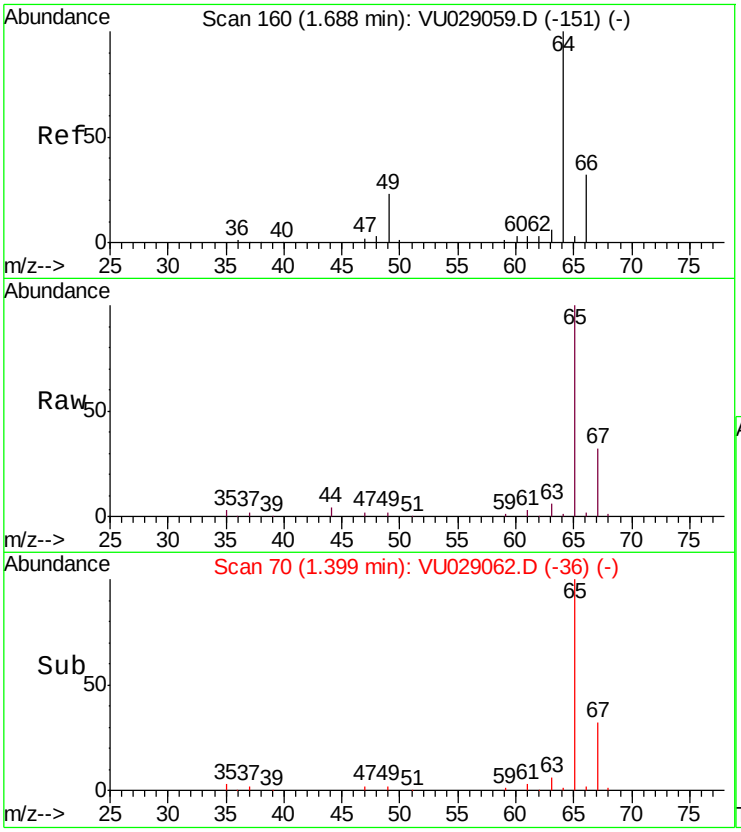
Quantitation Report (Not Reviewed)

Data File : VU029062.D
Acq On : 07 Jan 2019 17:03
Operator : MD/SY
Sample : K1048-02RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0947

Quant Time: Jan 08 03:15:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration



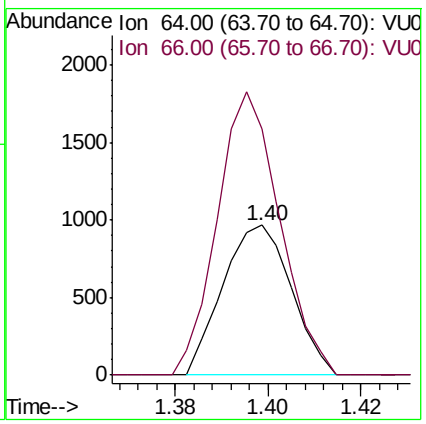


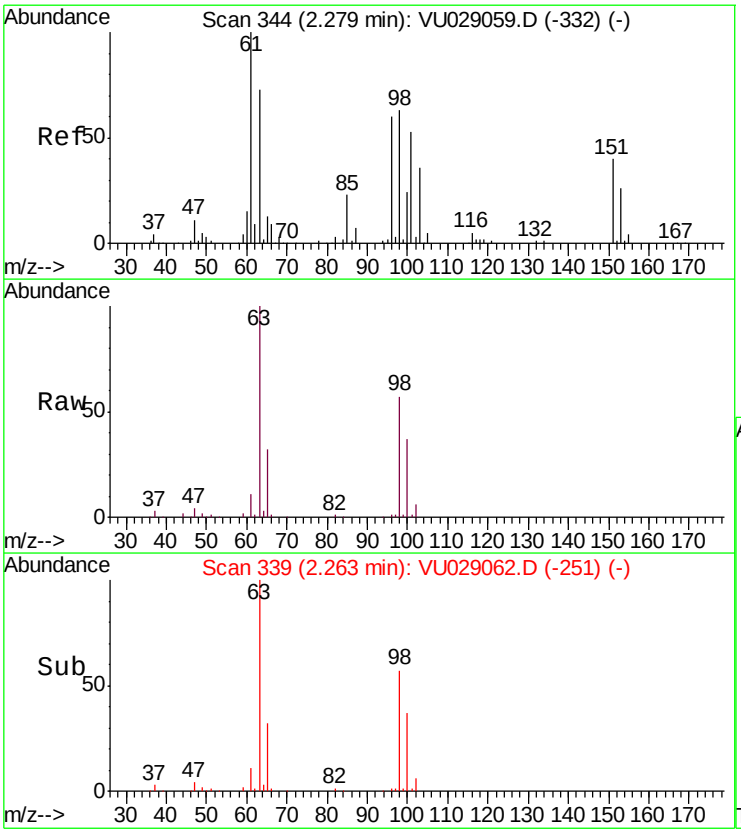
#8
Chloroethane
Concen: 0.940 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument : MSVOA_U
ClientSampleId : C0947

Tgt Ion: 64 Resp: 997

Ion	Ratio	Lower	Upper
64	100		
66	163.8	21.5	39.9#

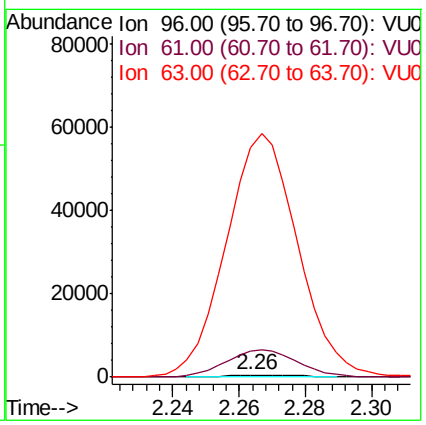


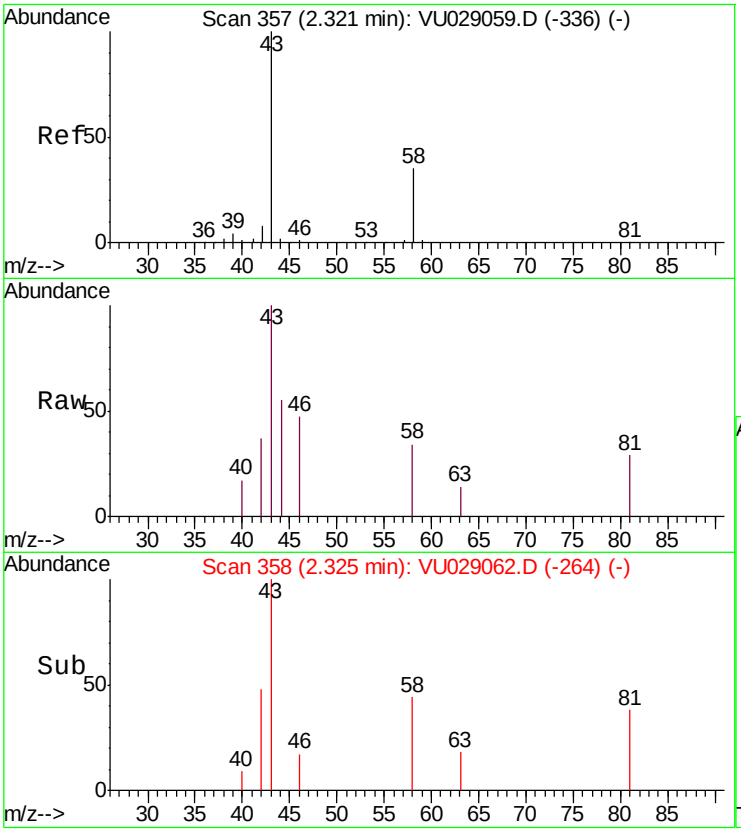


#12
1,1-Dichloroethene
Concen: 0.633 ug/L
RT: 2.26 min Scan# 339
Delta R.T. -0.02 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion: 96 Resp: 770

Ion	Ratio	Lower	Upper
96	100		
61	1257.3	119.3	221.5#
63	11286.7	107.4	199.6#



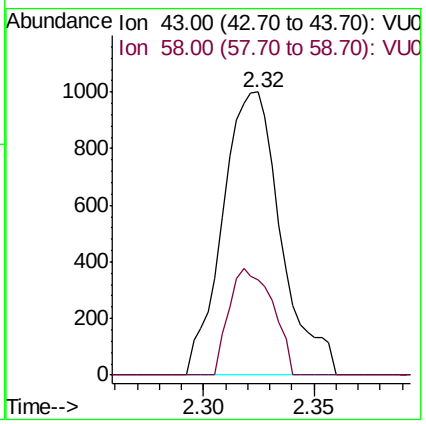


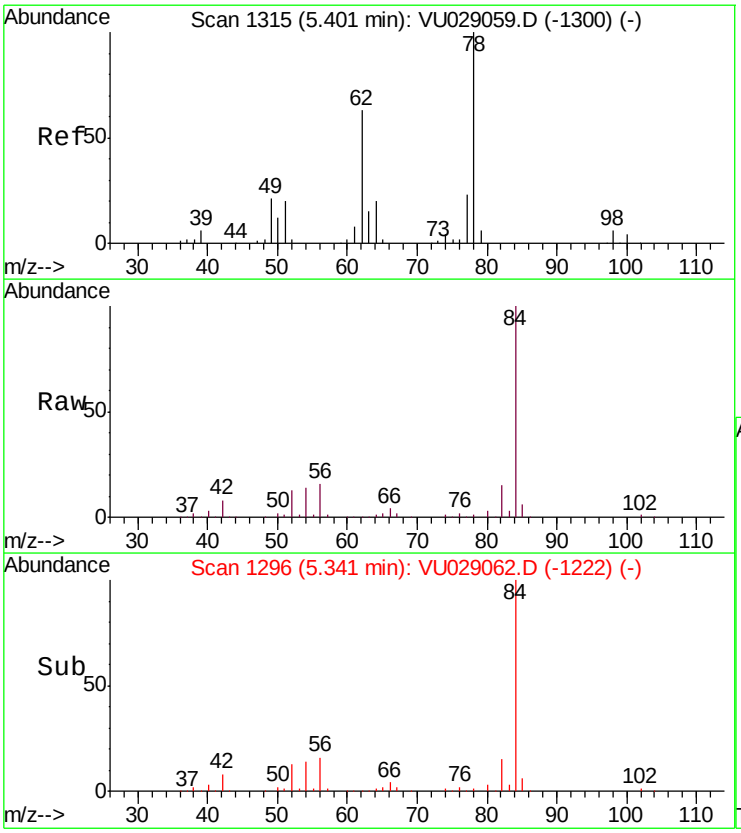
#13
Acetone
Concen: 1.698 ug/L
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument : MSVOA_U
ClientSampleId : C0947

Tgt Ion: 43 Resp: 1843

Ion	Ratio	Lower	Upper
43	100		
58	28.2	0.0	70.2

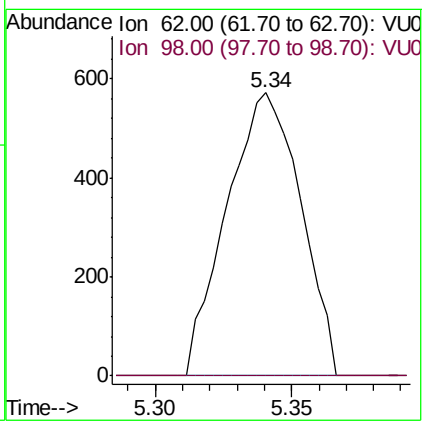


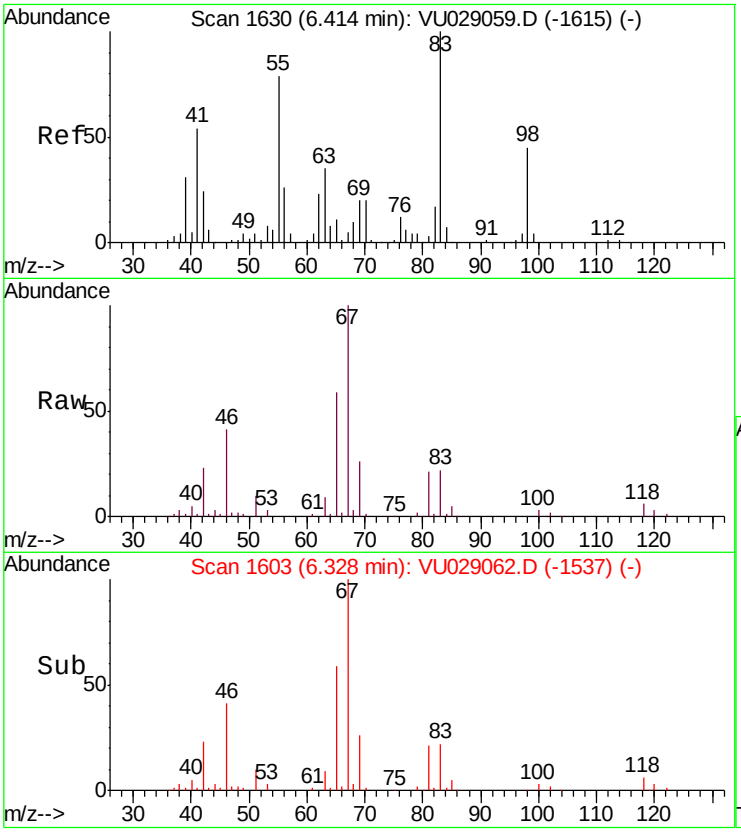


#27
1,2-Dichloroethane
Concen: 0.594 ug/L
RT: 5.34 min Scan# 1296
Delta R.T. -0.06 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion: 62 Resp: 1076

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.5	11.3#



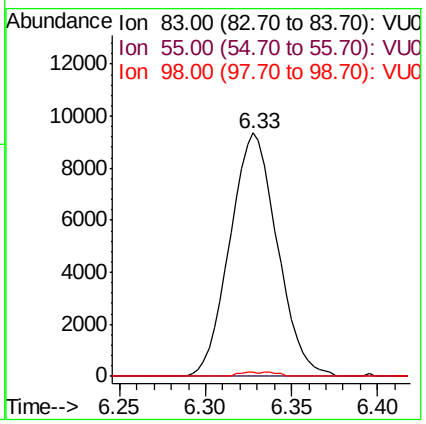


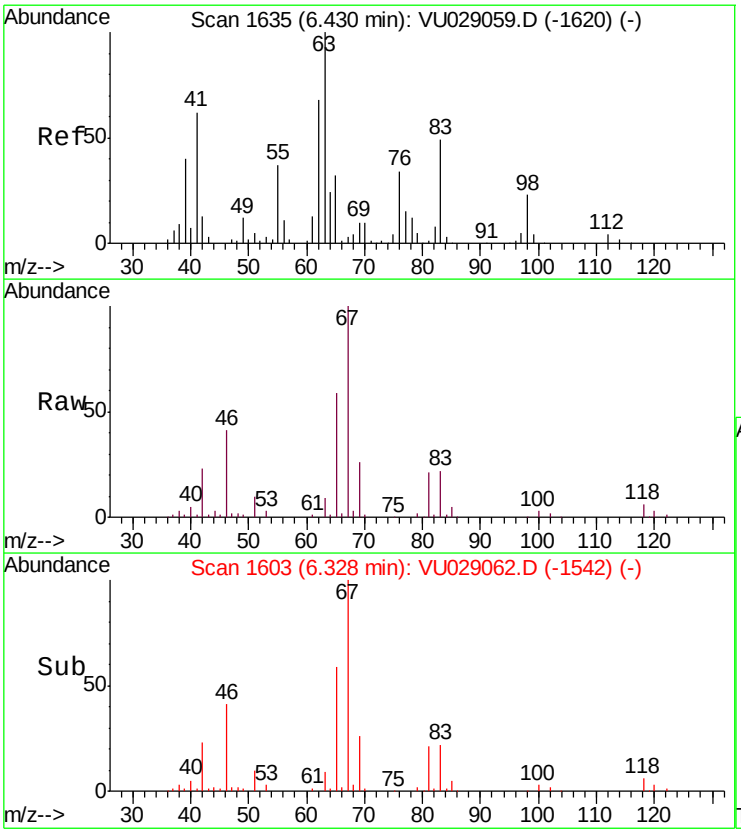
#35
Methylcyclohexane
Concen: 7.841 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument : MSVOA_U
ClientSampleId : C0947

Tgt Ion: 83 Resp: 17908

Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.7	95.5#
98	0.7	35.6	53.4#

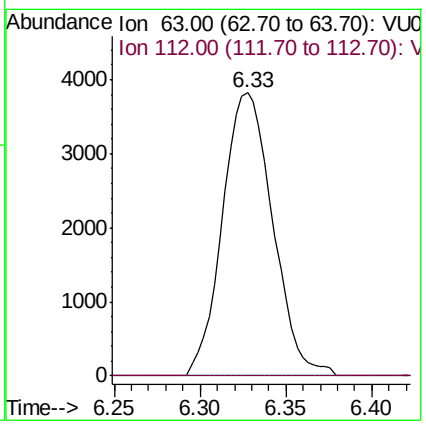


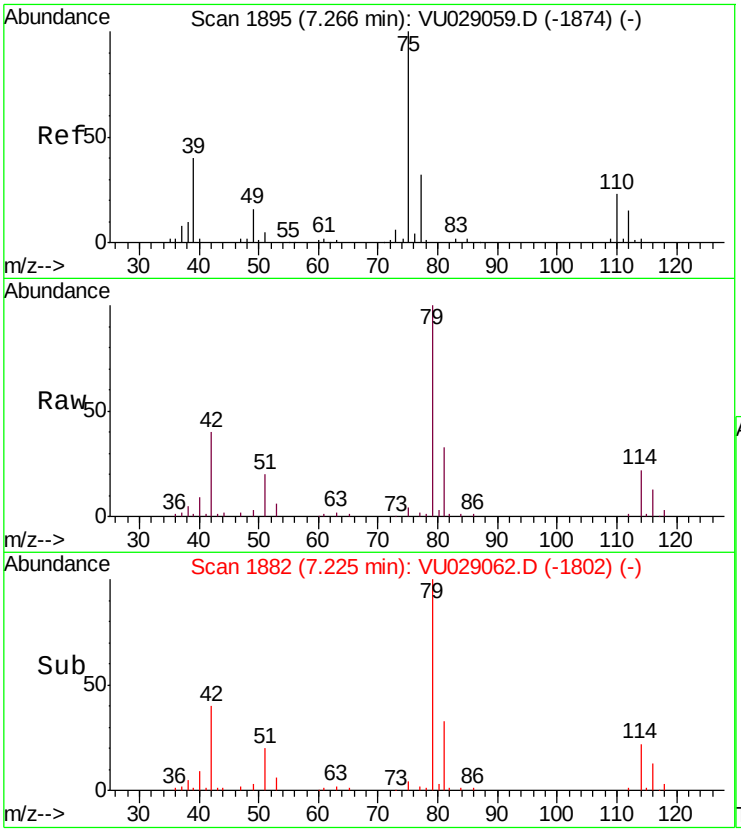


#37
1,2-Dichloropropane
Concen: 4.896 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.10 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion: 63 Resp: 7773

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.7	4.1#



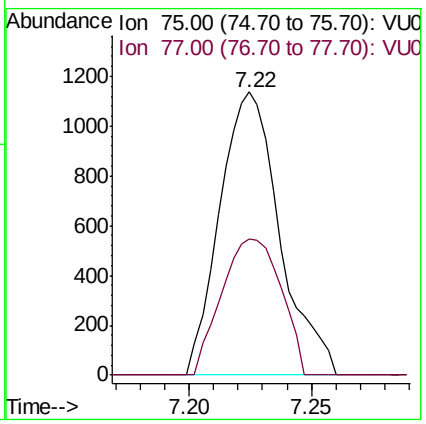


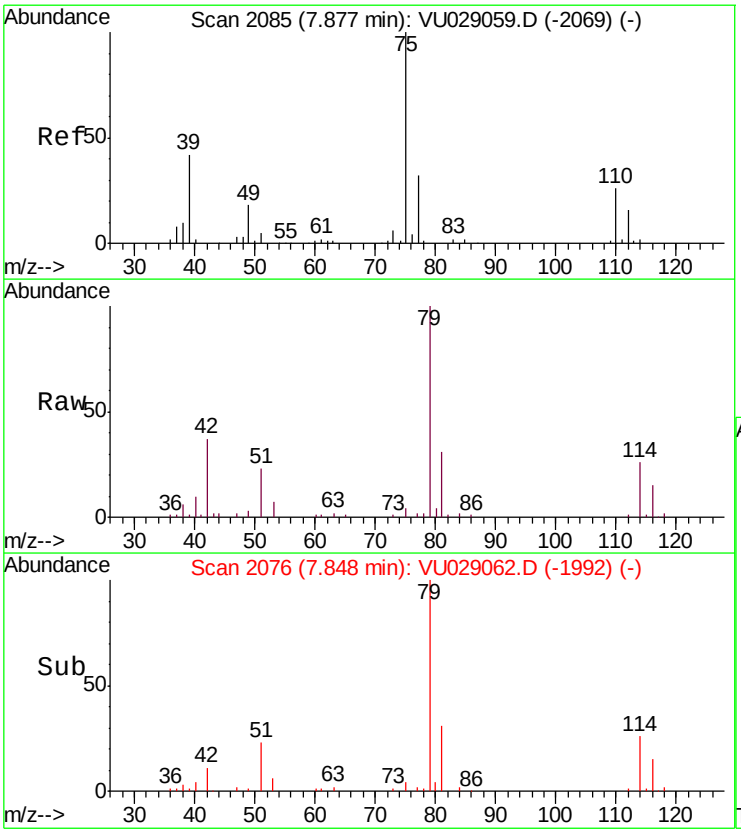
#39
cis-1,3-Dichloropropene
Concen: 0.858 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument :
MSVOA_U
ClientSampleId :
C0947

Tgt Ion: 75 Resp: 1941

Ion	Ratio	Lower	Upper
75	100		
77	48.0	21.8	40.6#

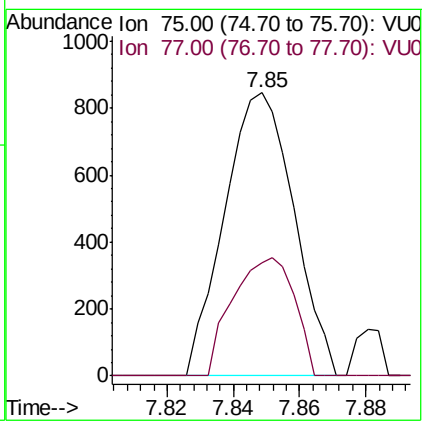


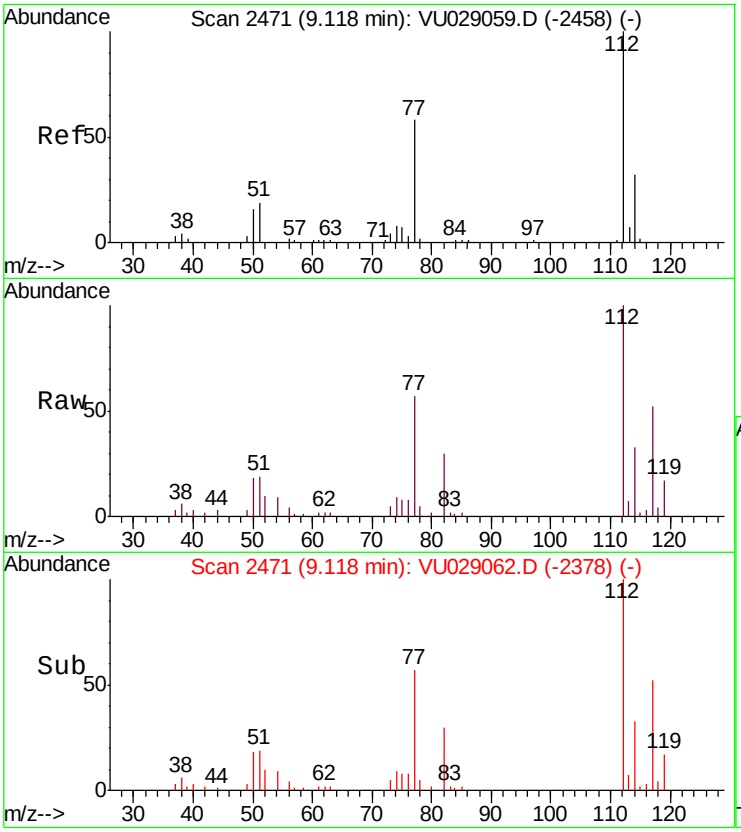


#44
trans-1,3-Dichloropropene
Concen: 0.610 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion: 75 Resp: 1230

Ion	Ratio	Lower	Upper
75	100		
77	40.0	21.8	40.6



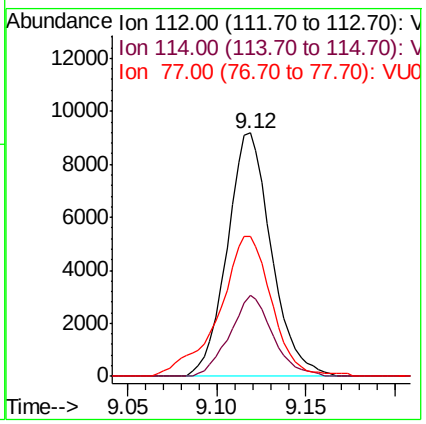


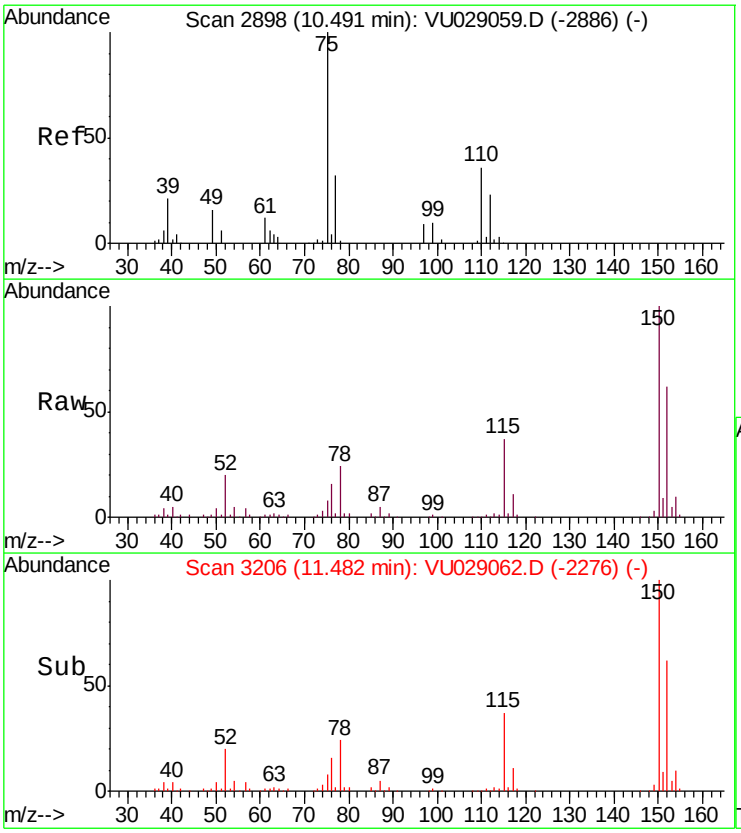
#51
Chlorobenzene
Concen: 4.350 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument :
MSVOA_U
ClientSampleId :
C0947

Tgt Ion:112 Resp: 15785

Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.2	41.2
77	57.4	47.8	71.8

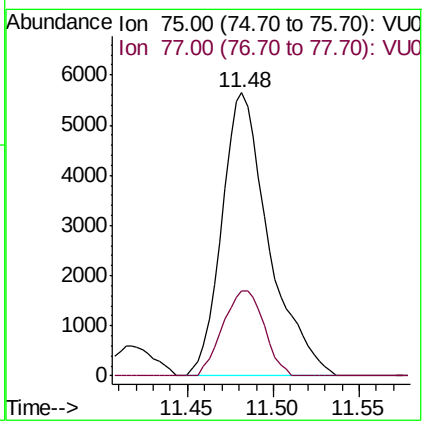


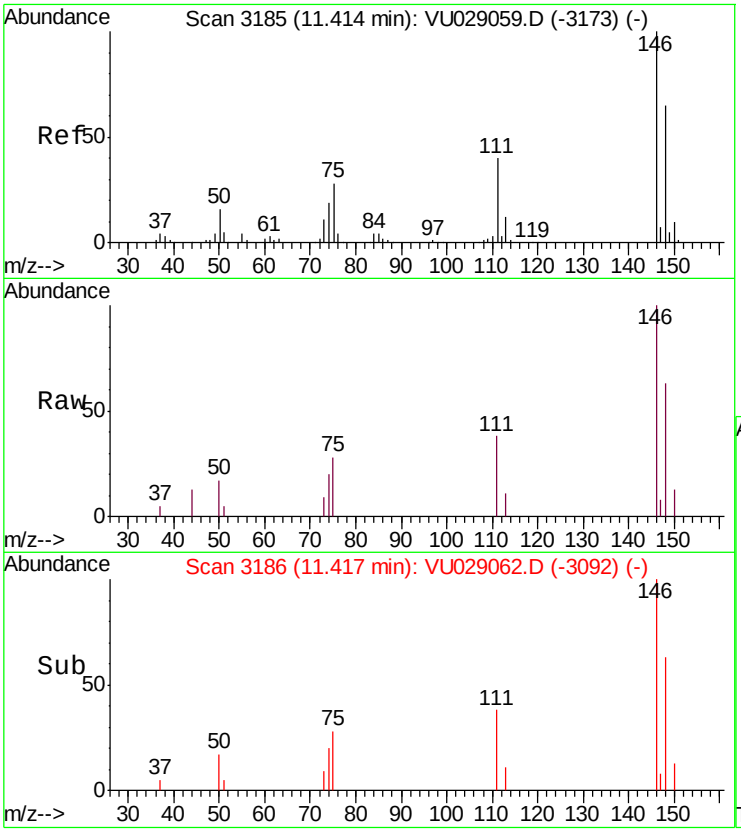


#59
1,2,3-Trichloropropane
Concen: 5.656 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion: 75 Resp: 10716

Ion	Ratio	Lower	Upper
75	100		
77	26.4	25.5	38.3



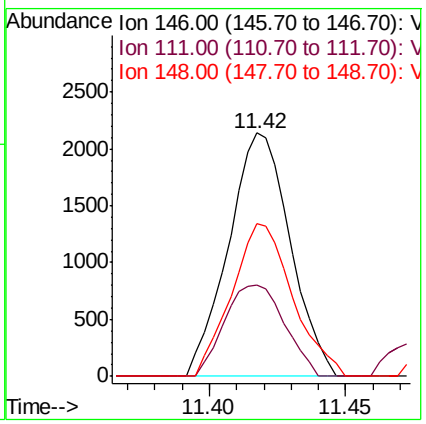


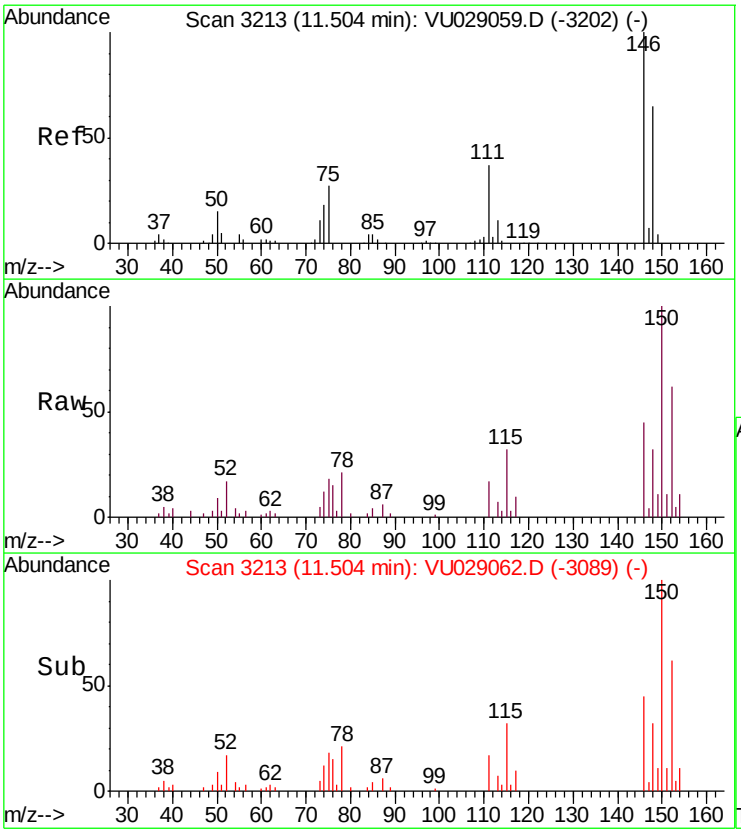
#62
1,3-Dichlorobenzene
Concen: 1.464 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument : MSVOA_U
ClientSampleId : C0947

Tgt Ion:146 Resp: 3349

Ion	Ratio	Lower	Upper
146	100		
111	37.6	27.4	50.8
148	62.6	44.2	82.2

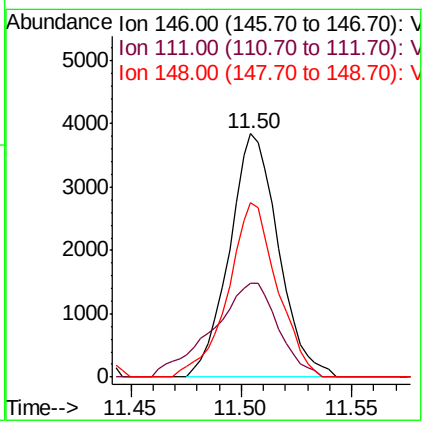


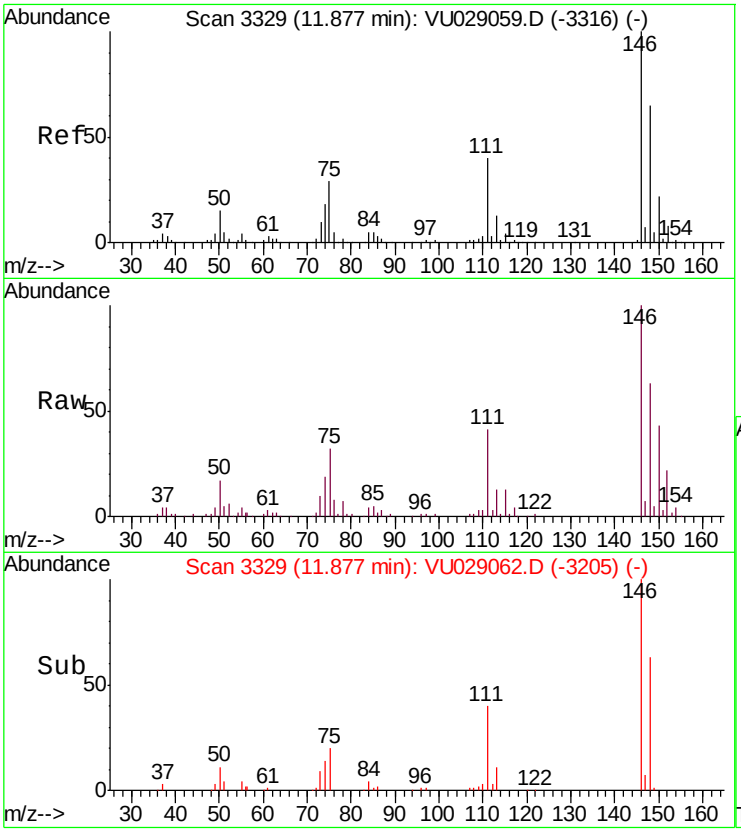


#63
1,4-Dichlorobenzene
Concen: 2.519 ug/L
RT: 11.50 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion:146 Resp: 5938

Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.5	49.1
148	71.8	45.1	83.9



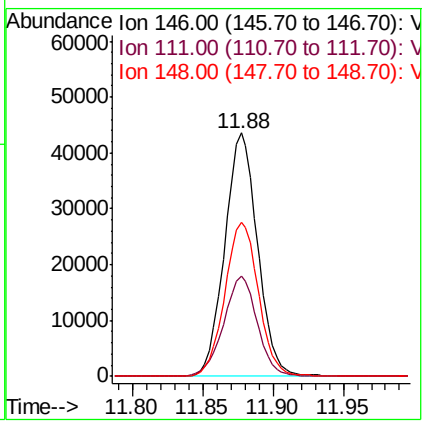


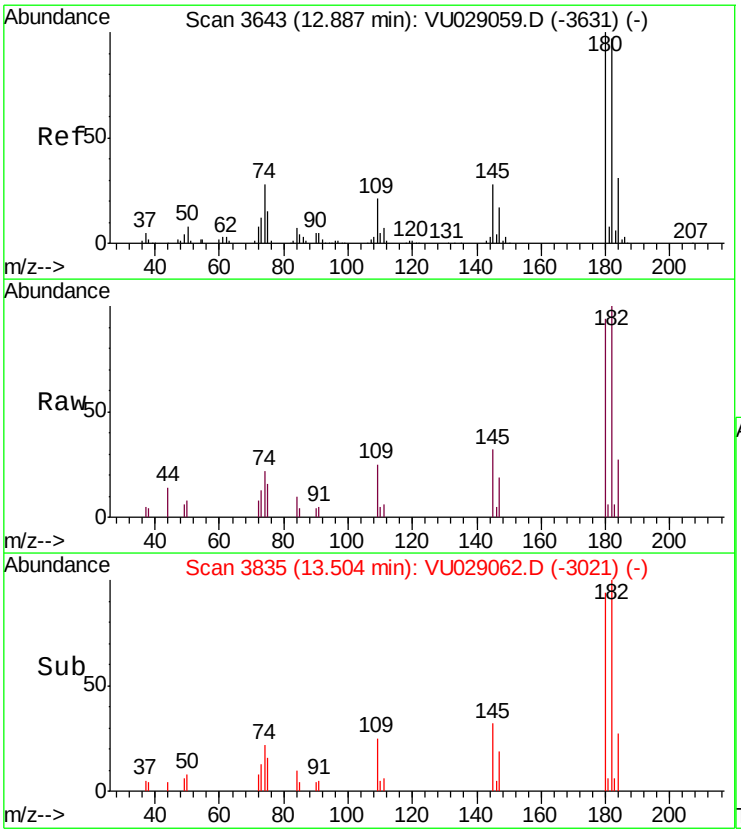
#65
1,2-Dichlorobenzene
Concen: 29.698 ug/L
RT: 11.88 min Scan# 3329
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument : MSVOA_U
ClientSampleId : C0947

Tgt Ion:146 Resp: 70880

Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.1	48.1
148	63.1	49.7	74.5

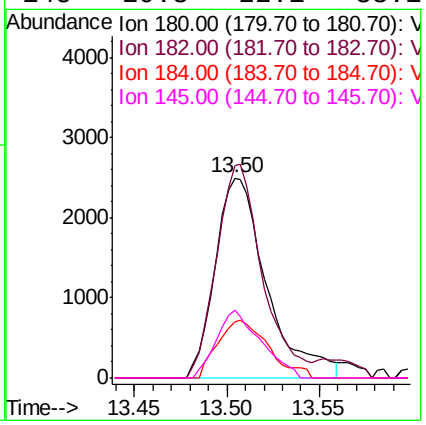


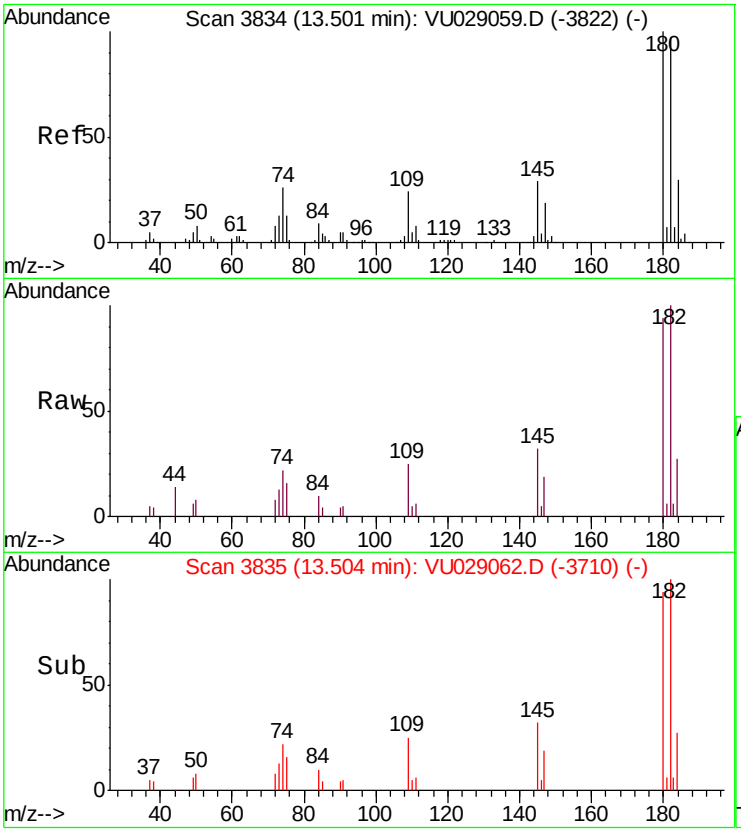


#67
1,3,5-Trichlorobenzene
Concen: 2.851 ug/L
RT: 13.50 min Scan# 3835
Delta R.T. 0.62 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion:180 Resp: 4810

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
184	26.9	24.6	36.8
145	29.3	22.1	33.1



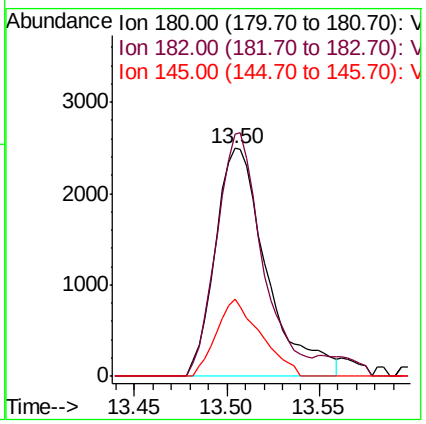


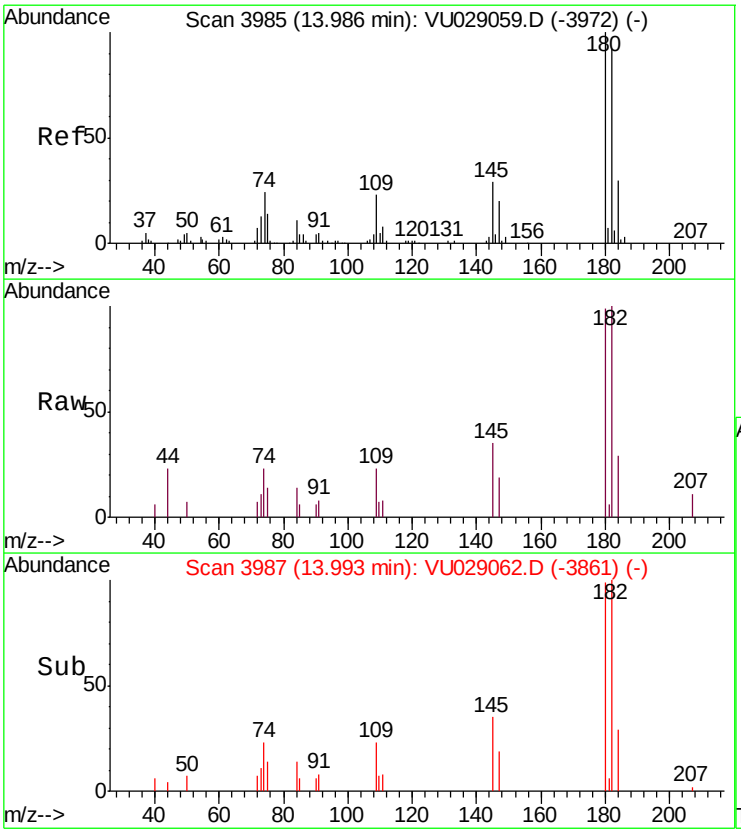
#68
1,2,4-trichlorobenzene
Concen: 3.405 ug/L
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Instrument :
MSVOA_U
ClientSampleId :
C0947

Tgt Ion:180 Resp: 4810

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.0
145	29.3	23.5	35.3





#70
1,2,3-Trichlorobenzene
Concen: 2.635 ug/L
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion:180 Resp: 4014

Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.8	113.8
145	25.1	24.5	36.7