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

Quantitation Report (Not Reviewed)

Data File : VU029057.D
Acq On : 07 Jan 2019 14:11
Operator : MD/SY
Sample : VIBLK-42
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK42

Quant Time: Jan 08 01:42:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188594	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	174741	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71096	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	70074	46.35	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.70%			
7) Chloroethane-d5	1.67	69	55755	47.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.48%			
11) 1,1-Dichloroethene-d2	2.27	63	89883	35.35	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.70%			
21) 2-Butanone-d5	4.17	46	105426	99.52	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.52%			
24) Chloroform-d	4.65	84	112491	47.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.62%			
26) 1,2-Dichloroethane-d4	5.31	65	70501	48.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.22%			
32) Benzene-d6	5.34	84	249123	50.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.92%			
36) 1,2-Dichloropropane-d6	6.33	67	84596	50.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.88%			
41) Toluene-d8	7.56	98	215753	48.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.46%			
43) trans-1,3-Dichloropropene-	7.85	79	36751	48.91	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.82%			
47) 2-Hexanone-d5	8.31	63	76624	96.20	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.20%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114768	49.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.66%			
64) 1,2-Dichlorobenzene-d4	11.86	152	73420	51.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.12%			

Target Compounds						Qvalue
8) Chloroethane	1.40	64	900	0.854	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	788	0.645	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	773	0.639	ug/L #	1
27) 1,2-Dichloroethane	5.33	62	1108	0.615	ug/L #	74
35) Methylcyclohexane	6.33	83	17713	7.919	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7863	5.056	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1740	0.785	ug/L #	50
44) trans-1,3-Dichloropropene	7.85	75	1348	0.682	ug/L	86
51) Chlorobenzene	9.12	112	21948	6.175	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	1659	0.735	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	15213	6.538	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	14055	5.966	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	2606	1.565	ug/L	91
68) 1,2,4-trichlorobenzene	13.51	180	2606	1.869	ug/L	90
70) 1,2,3-Trichlorobenzene	14.01	180	723	0.481	ug/L #	60

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

Quantitation Report (Not Reviewed)

Data File : VU029057.D
Acq On : 07 Jan 2019 14:11
Operator : MD/SY
Sample : VIBLK-42
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK42

Quant Time: Jan 08 01:42:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

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

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

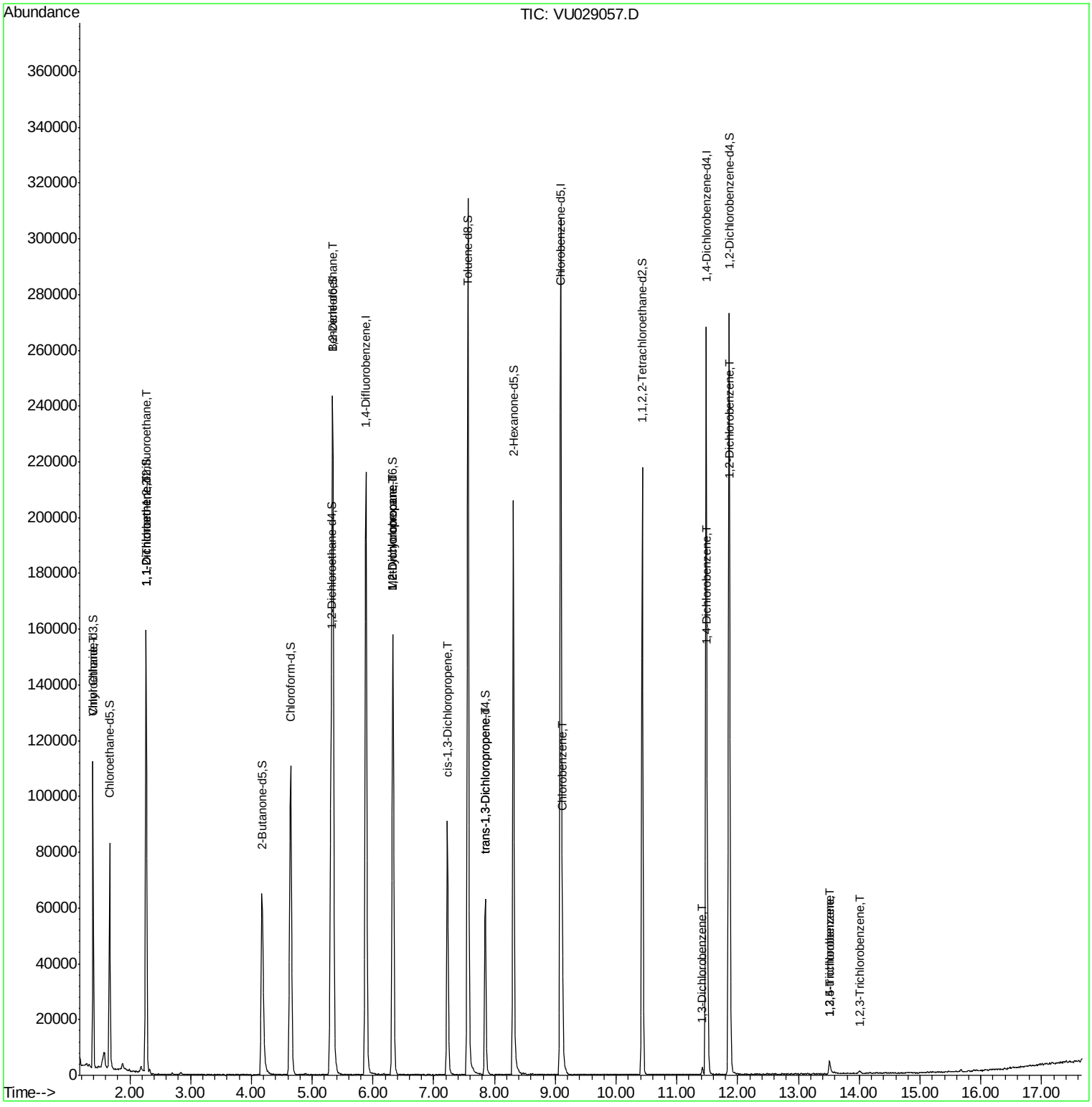
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\

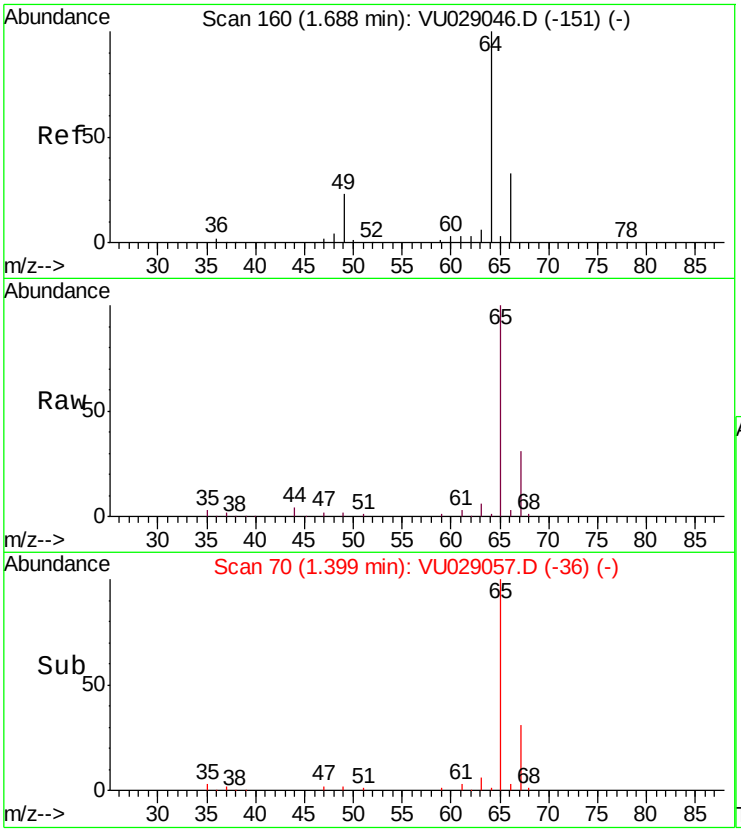
Quantitation Report (Not Reviewed)

Data File : VU029057.D
Acq On : 07 Jan 2019 14:11
Operator : MD/SY
Sample : VIBLK-42
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK42

Quant Time: Jan 08 01:42:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration



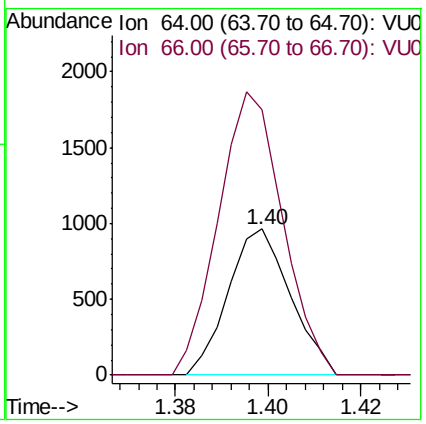


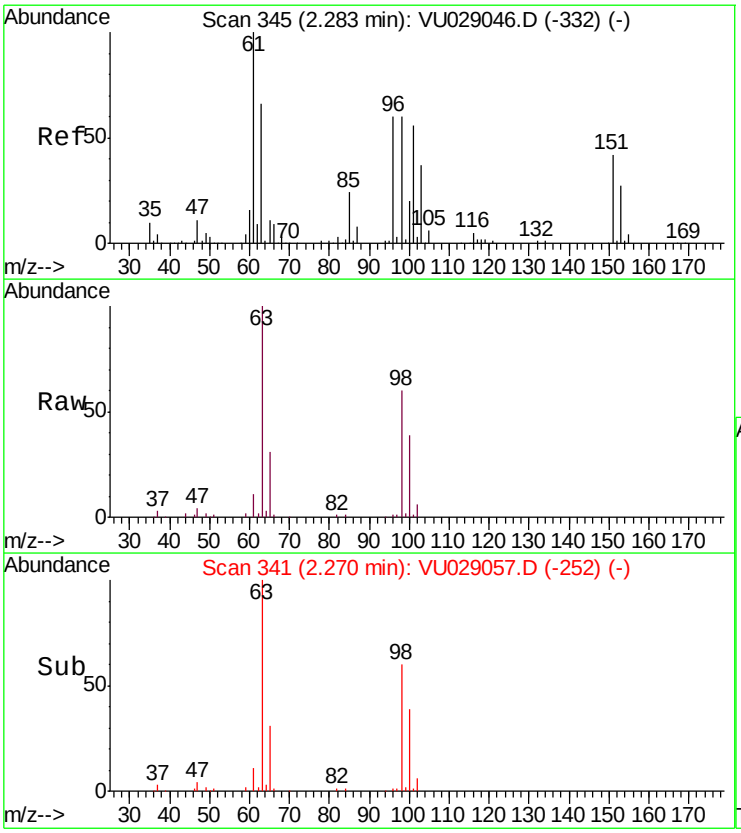
#8
Chloroethane
Concen: 0.854 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument : MSVOA_U
ClientSampleId : VIBLK42

Tgt Ion: 64 Resp: 900

Ion	Ratio	Lower	Upper
64	100		
66	181.8	21.5	39.9#

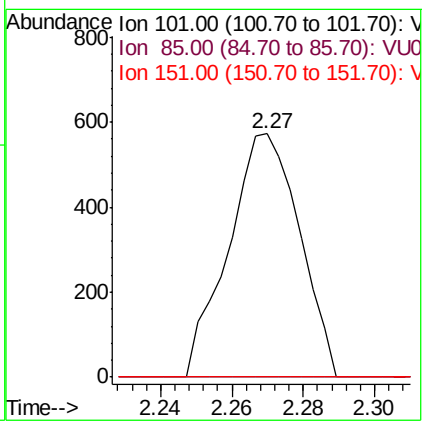


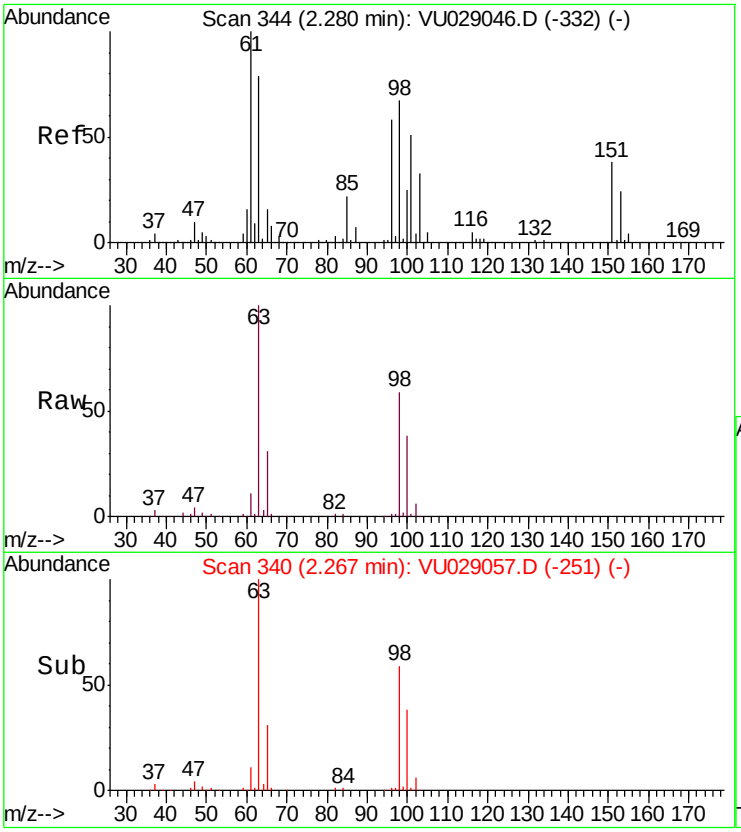


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.645 ug/L
RT: 2.27 min Scan# 341
Delta R.T. -0.01 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion:101 Resp: 788

Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.8	50.6#
151	0.0	59.4	89.0#



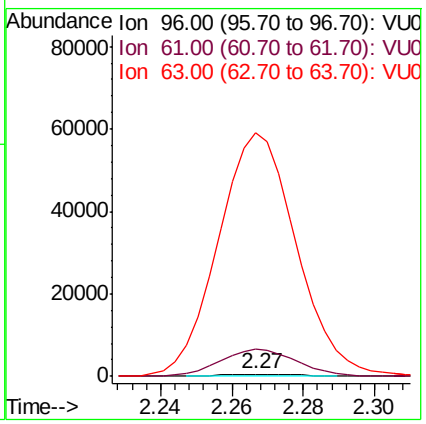


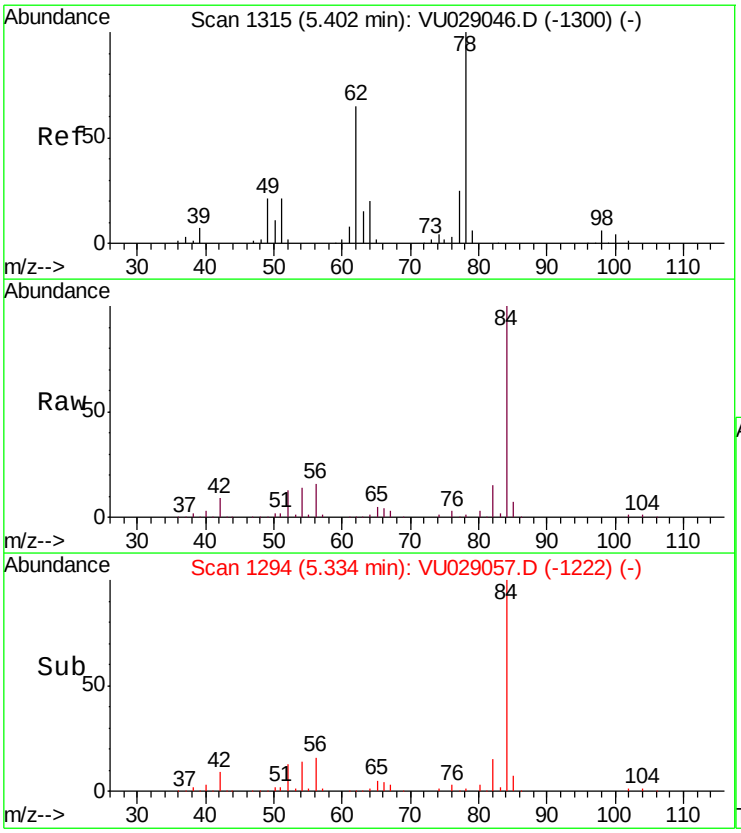
#12
1,1-Dichloroethene
Concen: 0.639 ug/L
RT: 2.27 min Scan# 340
Delta R.T. -0.01 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument :
MSVOA_U
ClientSampleId :
VIBLK42

Tgt Ion: 96 Resp: 773

Ion	Ratio	Lower	Upper
96	100		
61	1245.3	119.3	221.5#
63	11338.2	107.4	199.6#

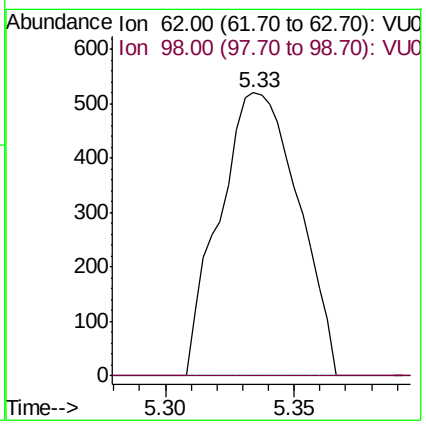


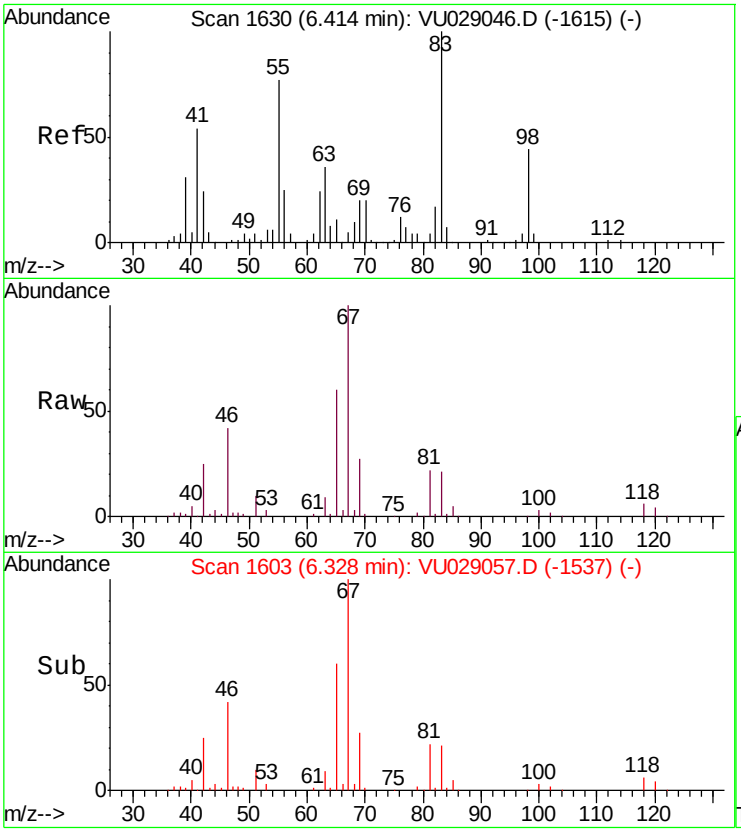


#27
1,2-Dichloroethane
Concen: 0.615 ug/L
RT: 5.33 min Scan# 1294
Delta R.T. -0.07 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion: 62 Resp: 1108

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.5	11.3#



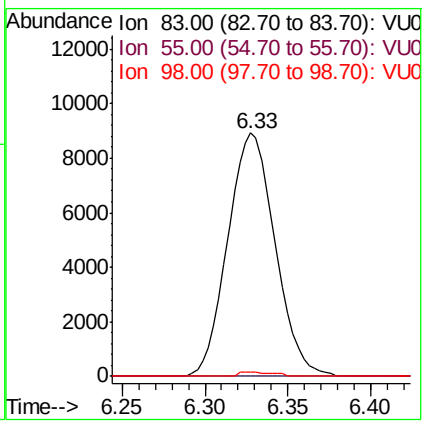


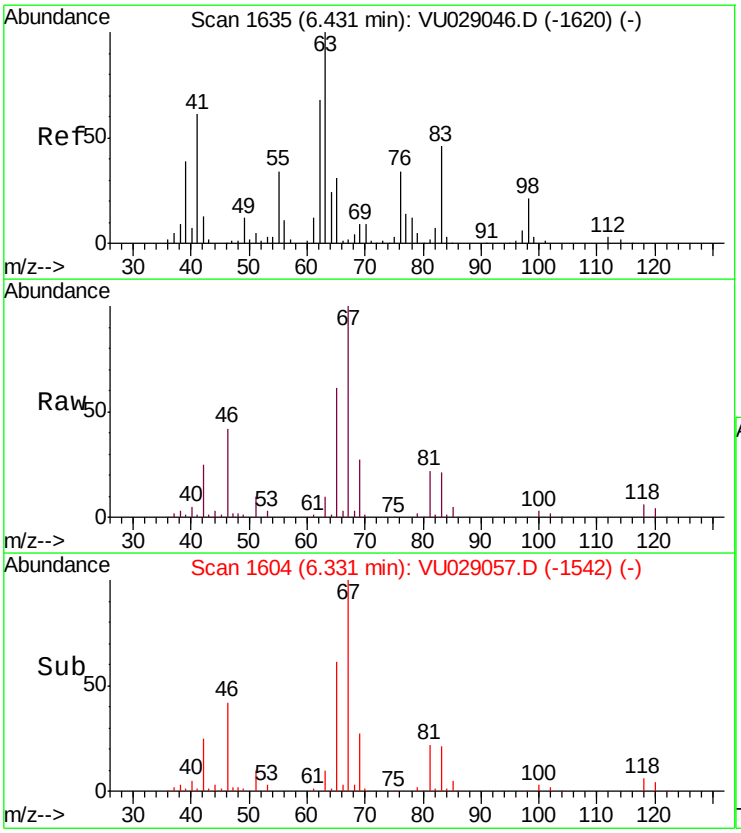
#35
Methylcyclohexane
Concen: 7.919 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument : MSVOA_U
ClientSampleId : VIBLK42

Tgt Ion: 83 Resp: 17713

Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.7	95.5#
98	0.9	35.6	53.4#

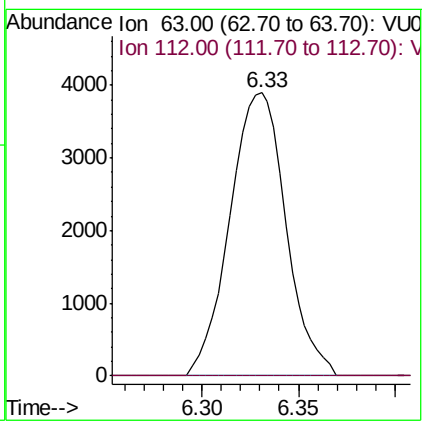


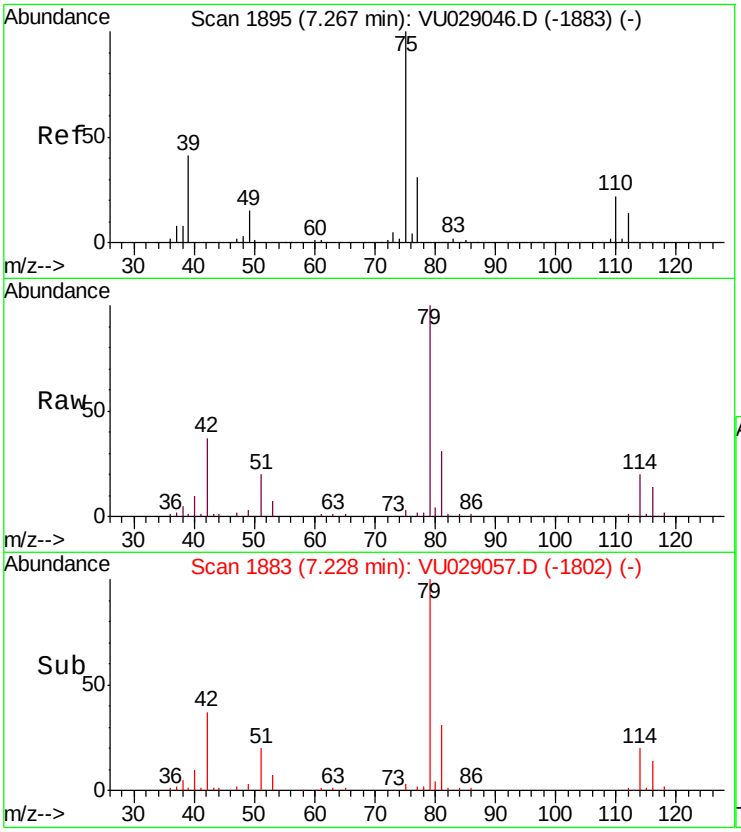


#37
1,2-Dichloropropane
Concen: 5.056 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion: 63 Resp: 7863

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.7	4.1#



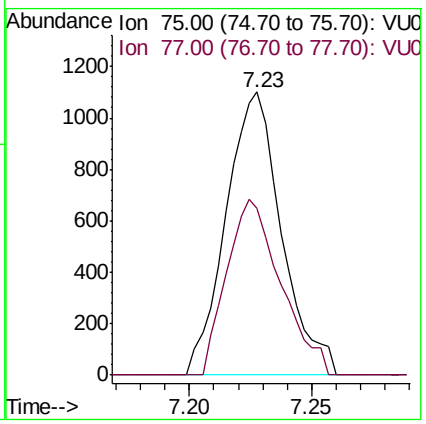


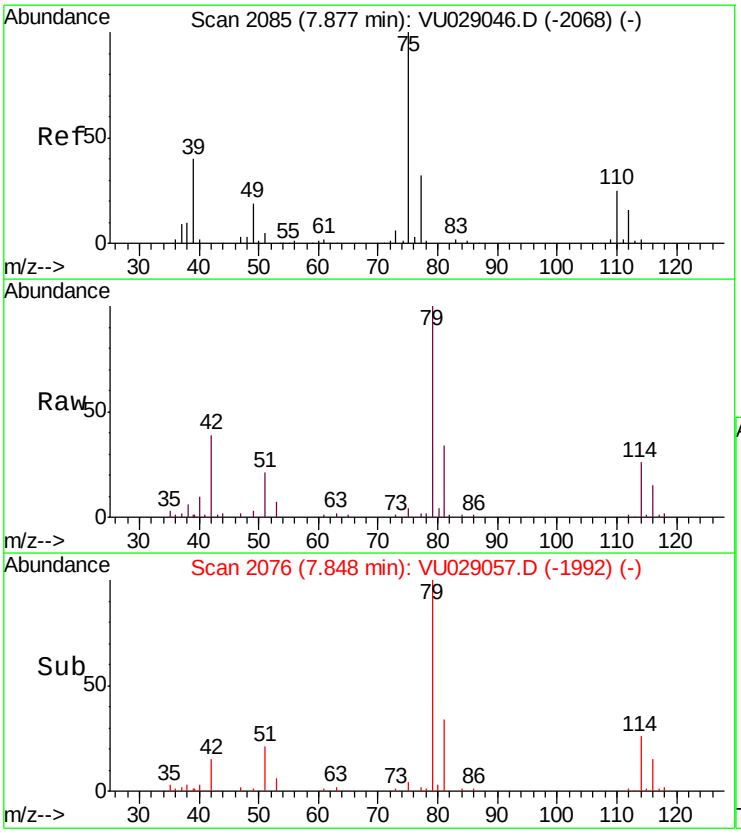
#39
cis-1,3-Dichloropropene
Concen: 0.785 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument :
MSVOA_U
ClientSampleId :
VIBLK42

Tgt Ion: 75 Resp: 1740

Ion	Ratio	Lower	Upper
75	100		
77	58.8	21.8	40.6#

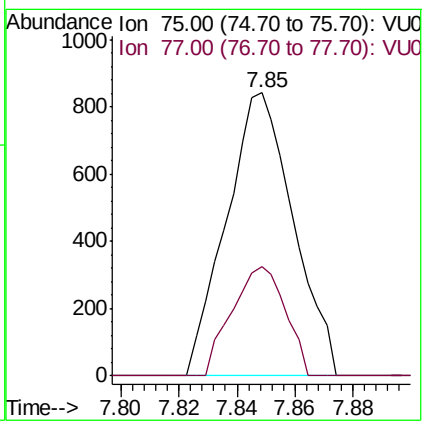


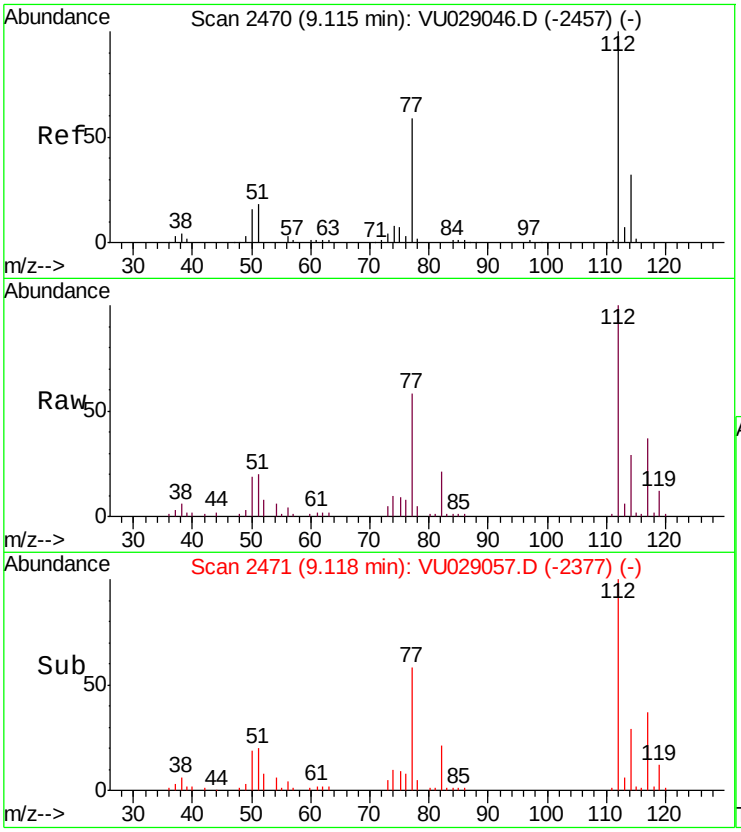


#44
trans-1,3-Dichloropropene
Concen: 0.682 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion: 75 Resp: 1348

Ion	Ratio	Lower	Upper
75	100		
77	38.8	21.8	40.6



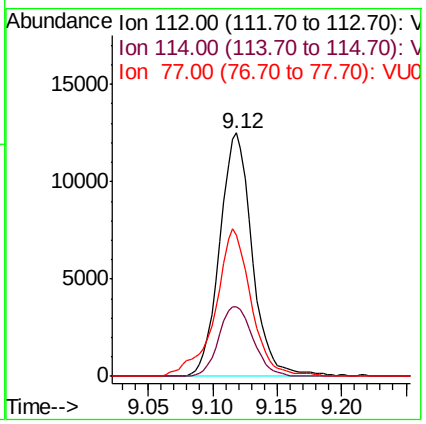


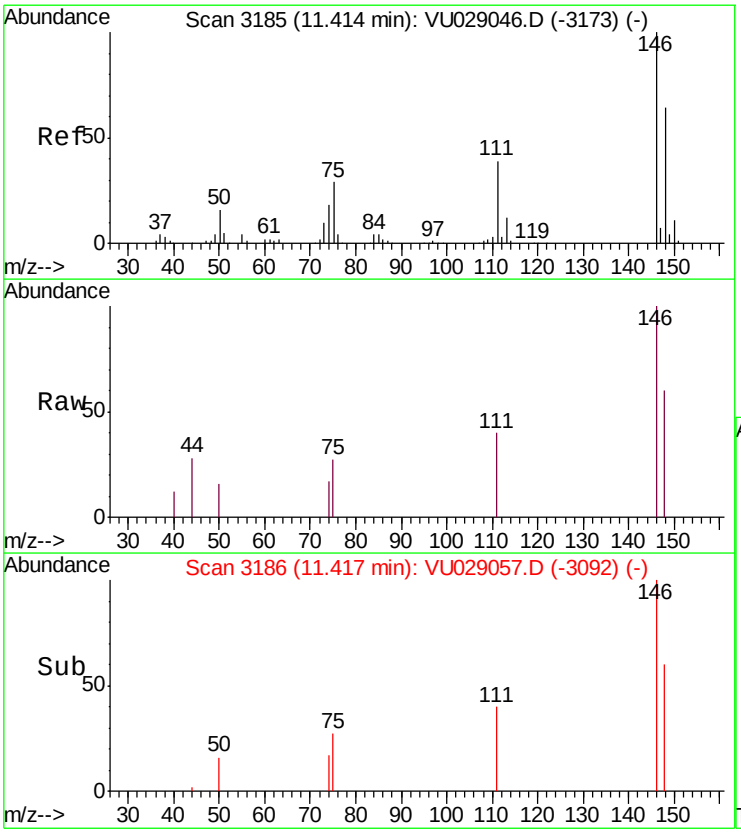
#51
Chlorobenzene
Concen: 6.175 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument :
MSVOA_U
ClientSampleId :
VIBLK42

Tgt Ion:112 Resp: 21948

Ion	Ratio	Lower	Upper
112	100		
114	28.7	22.2	41.2
77	58.2	47.8	71.8

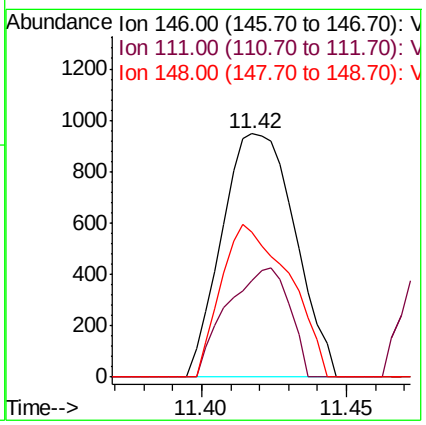


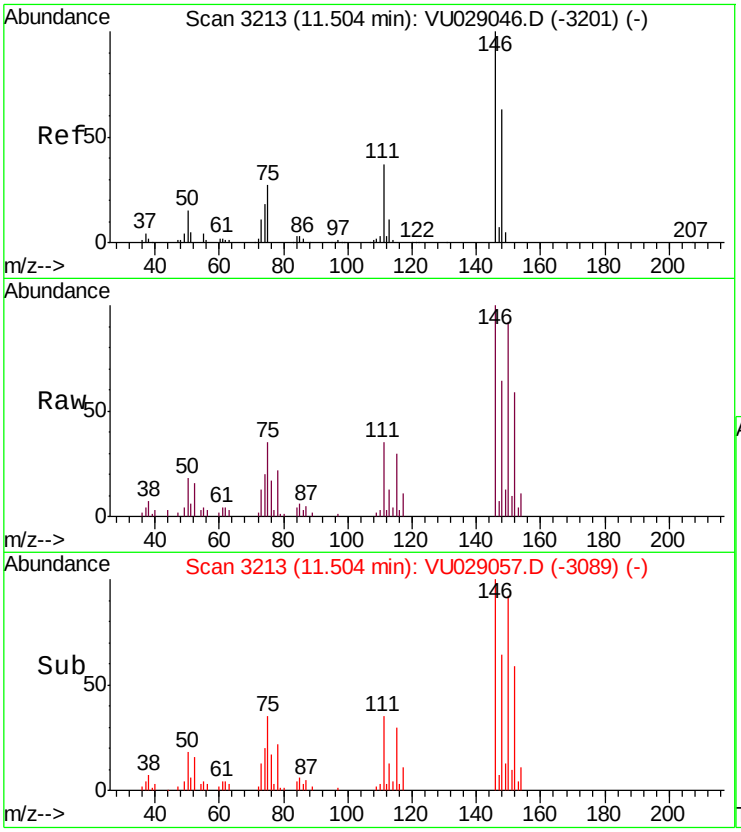


#62
1,3-Dichlorobenzene
Concen: 0.735 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion:146 Resp: 1659

Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.4	50.8
148	59.8	44.2	82.2



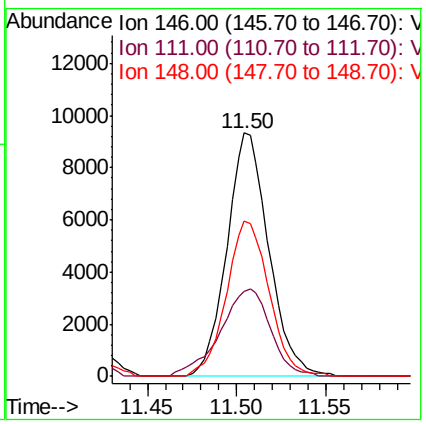


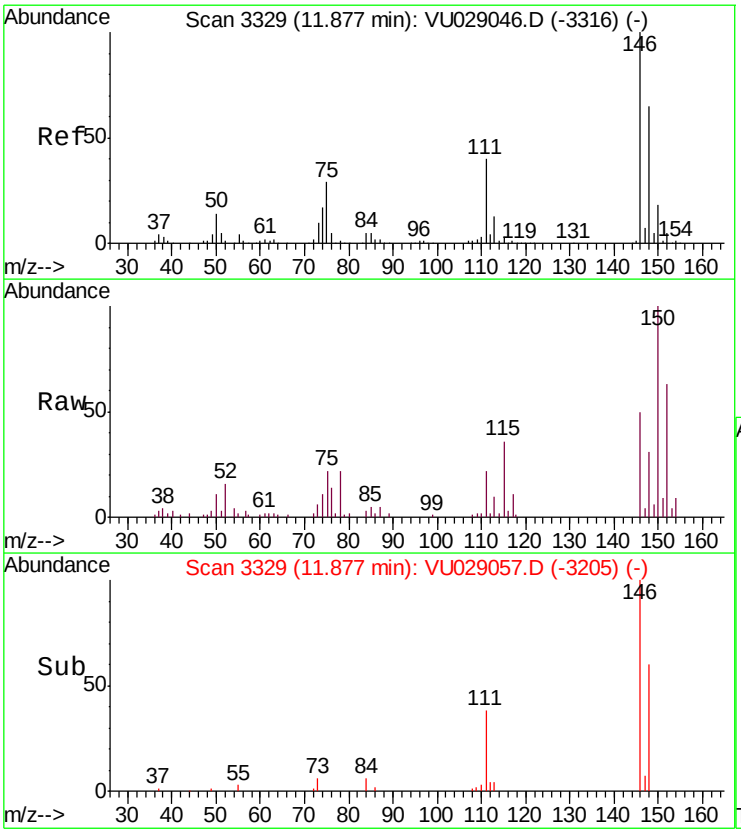
#63
1,4-Dichlorobenzene
Concen: 6.538 ug/L
RT: 11.50 min Scan# 3213
Delta R.T. -0.00 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument : MSVOA_U
ClientSampleId : VIBLK42

Tgt Ion:146 Resp: 15213

Ion	Ratio	Lower	Upper
146	100		
111	35.1	26.5	49.1
148	64.0	45.1	83.9

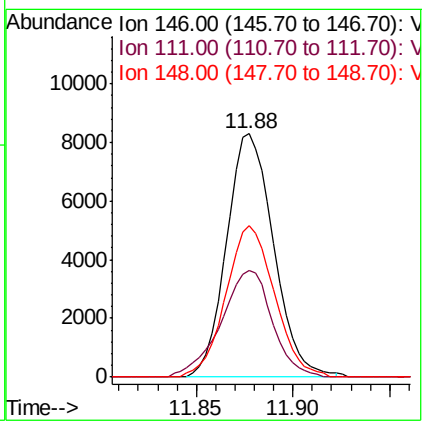


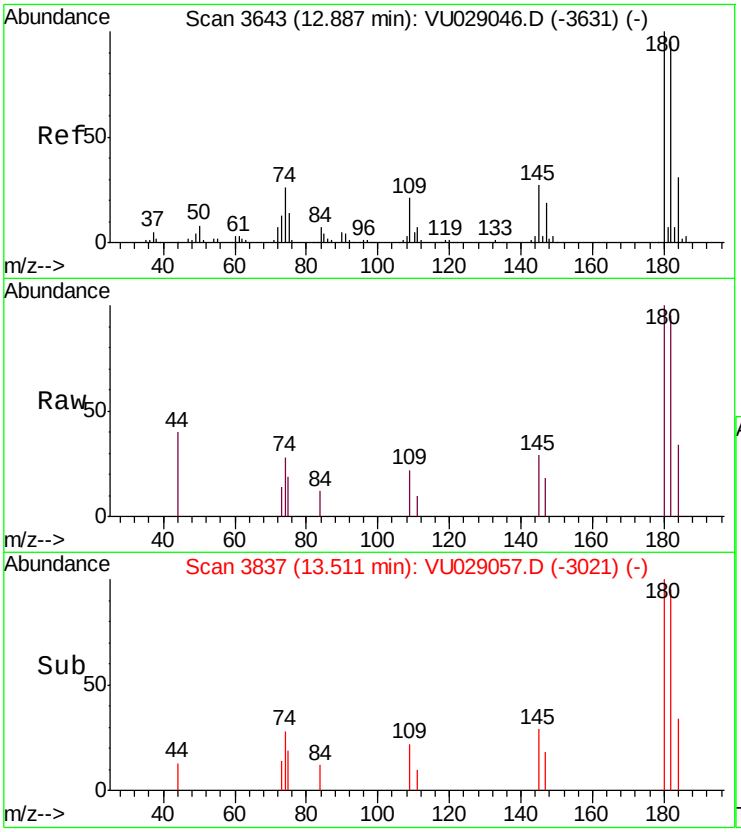


#65
1,2-Dichlorobenzene
Concen: 5.966 ug/L
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion:146 Resp: 14055

Ion	Ratio	Lower	Upper
146	100		
111	43.9	32.1	48.1
148	62.1	49.7	74.5



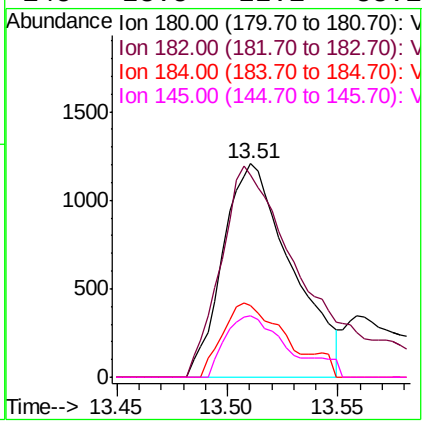


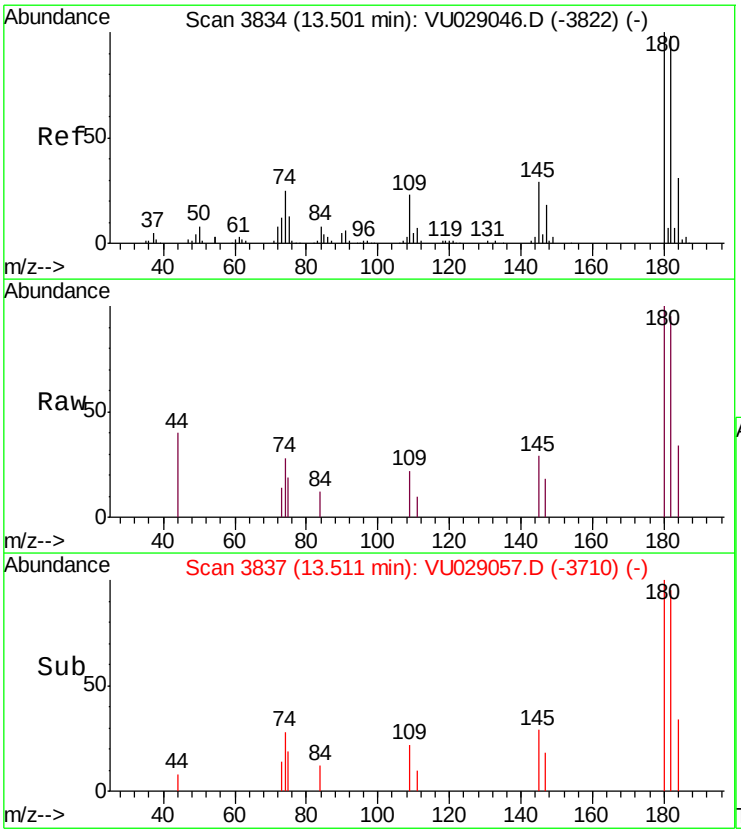
#67
1,3,5-Trichlorobenzene
Concen: 1.565 ug/L
RT: 13.51 min Scan# 3837
Delta R.T. 0.62 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument :
MSVOA_U
ClientSampleId :
VIBLK42

Tgt Ion:180 Resp: 2606

Ion	Ratio	Lower	Upper
180	100		
182	106.4	76.4	114.6
184	28.7	24.6	36.8
145	23.5	22.1	33.1

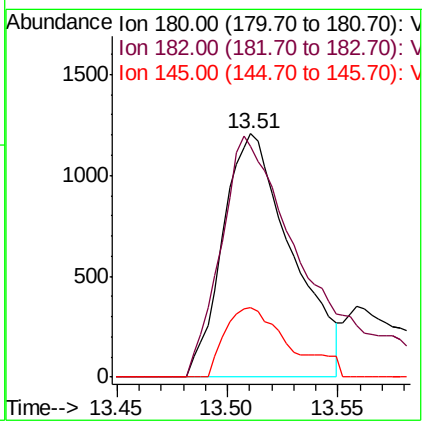


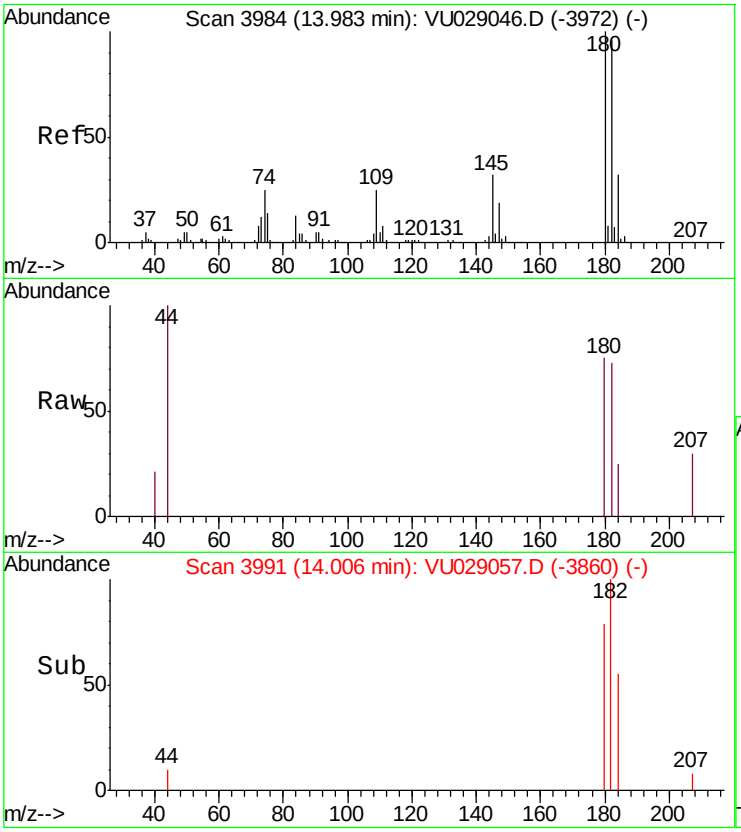


#68
1,2,4-trichlorobenzene
Concen: 1.869 ug/L
RT: 13.51 min Scan# 3837
Delta R.T. 0.01 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Tgt Ion:180 Resp: 2606

Ion	Ratio	Lower	Upper
180	100		
182	106.4	77.4	116.0
145	23.5	23.5	35.3





#70
1,2,3-Trichlorobenzene
Concen: 0.481 ug/L
RT: 14.01 min Scan# 3991
Delta R.T. 0.02 min
Lab File: VU029057.D
Acq: 07 Jan 2019 14:11

Instrument :
MSVOA_U
ClientSampleId :
VIBLK42

Tgt Ion:180 Resp: 723

Ion	Ratio	Lower	Upper
180	100		
182	60.6	75.8	113.8#
145	0.0	24.5	36.7#