Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (Not Reviewed)

Data File : VU030273.D
Acq On : 21 Mar 2019 18:12
Operator : JC/SP
Sample : K2022-07DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09A7DL

Quant Time: Mar 22 05:18:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	534905	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	524923	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	245640	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	174947	48.37	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.74%			
7) Chloroethane-d5	1.68	69	141145	48.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.60%			
11) 1,1-Dichloroethene-d2	2.27	63	233876	35.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.88%			
21) 2-Butanone-d5	4.17	46	224744	83.76	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 83.76%			
24) Chloroform-d	4.65	84	297887	44.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.76%			
26) 1,2-Dichloroethane-d4	5.31	65	175350	46.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.62%			
32) Benzene-d6	5.34	84	649642	46.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.92%			
36) 1,2-Dichloropropane-d6	6.33	67	197840	46.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.44%			
41) Toluene-d8	7.56	98	586999	45.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.26%			
43) trans-1,3-Dichloropropene-	7.85	79	88797	42.61	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.22%			
47) 2-Hexanone-d5	8.31	63	184805	83.26	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 83.26%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285223	43.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 86.88%			
64) 1,2-Dichlorobenzene-d4	11.86	152	237368	48.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.26%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2429	0.676	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1979	0.555	ug/L #	1
13) Acetone	2.32	43	1569	0.560	ug/L	82
33) Benzene	5.39	78	23715	1.566	ug/L	100
37) 1,2-Dichloropropane	6.33	63	19195	4.949	ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	3396	0.631	ug/L #	81
48) 2-Hexanone	8.37	43	5347	1.209	ug/L #	96
51) Chlorobenzene	9.12	112	65033	5.963	ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	4009	0.765	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	16333	2.084	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	140832	17.324	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	436561	54.522	ug/L	97
67) 1,3,5-Trichlorobenzene	13.50	180	25053	4.090	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	25053	4.625	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	8973	1.588	ug/L #	70

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (Not Reviewed)

Data File : VU030273.D
Acq On : 21 Mar 2019 18:12
Operator : JC/SP
Sample : K2022-07DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09A7DL

Quant Time: Mar 22 05:18:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 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\VU032119\

Quantitation Report (Not Reviewed)

Data File : VU030273.D
Acq On : 21 Mar 2019 18:12
Operator : JC/SP
Sample : K2022-07DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
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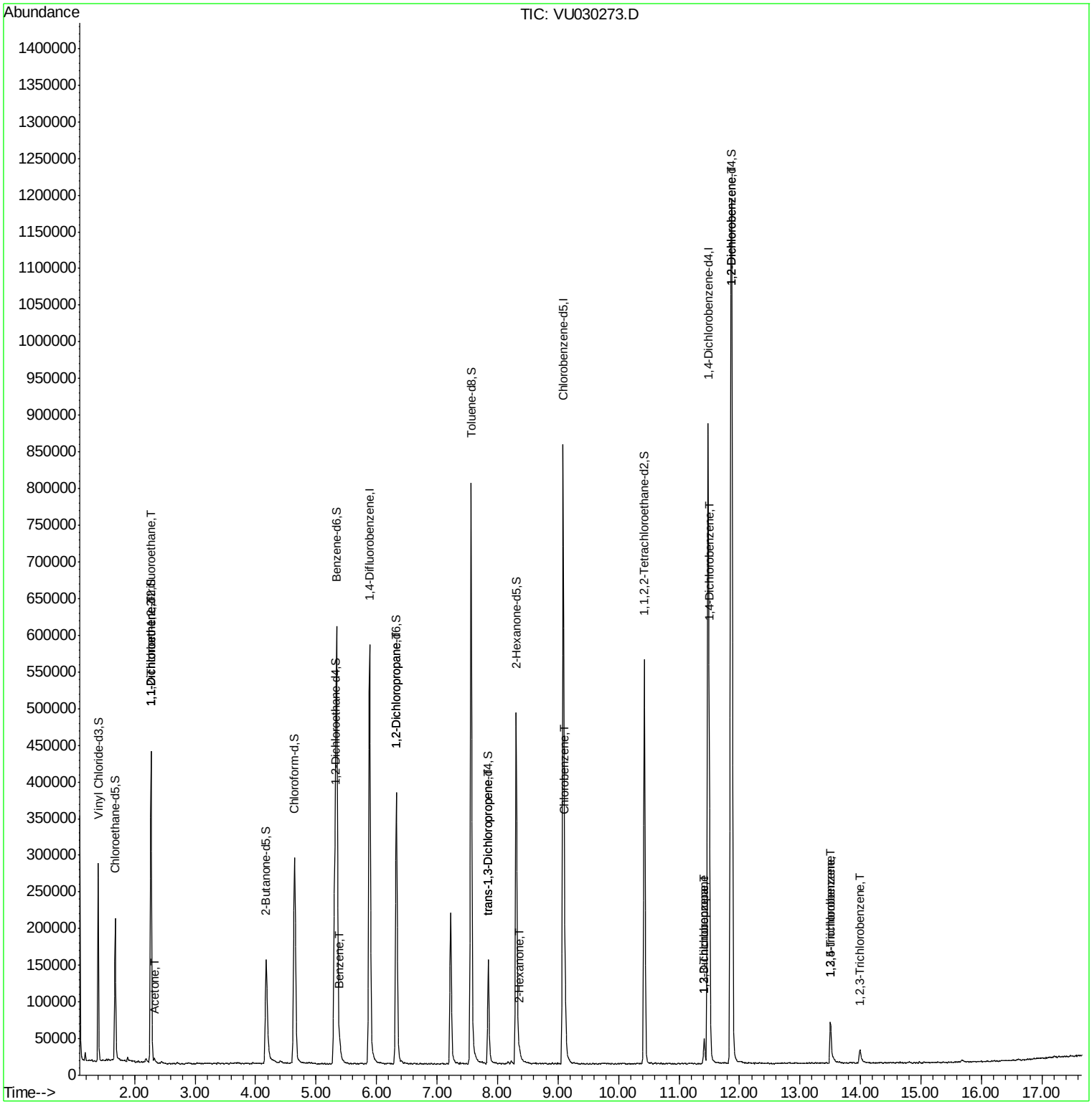
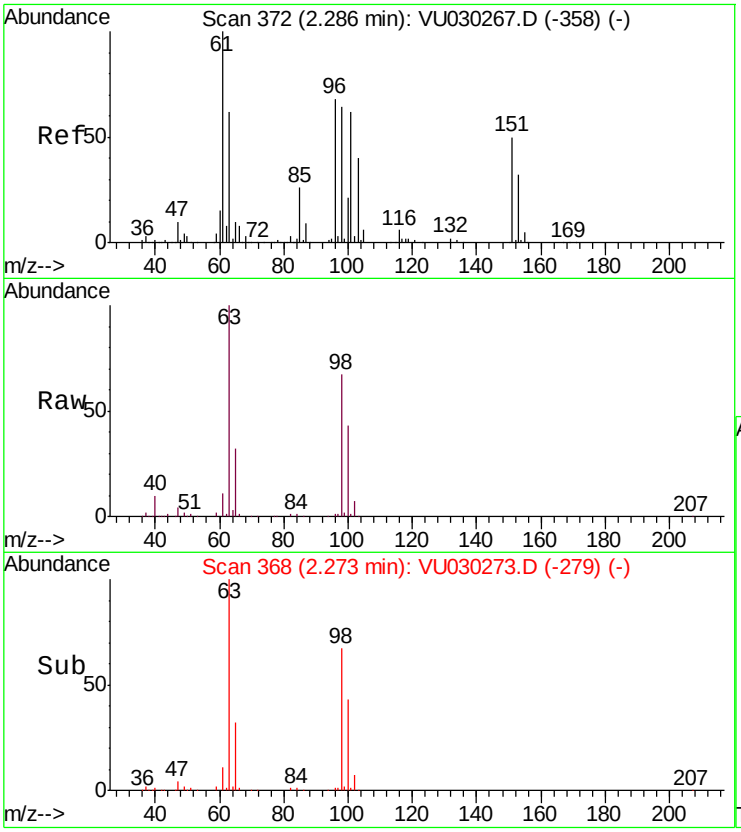
Quant Time: Mar 22 05:18:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration



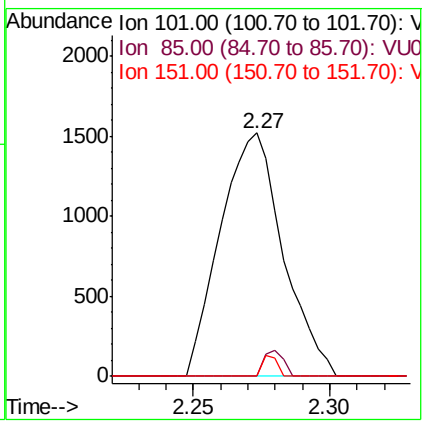


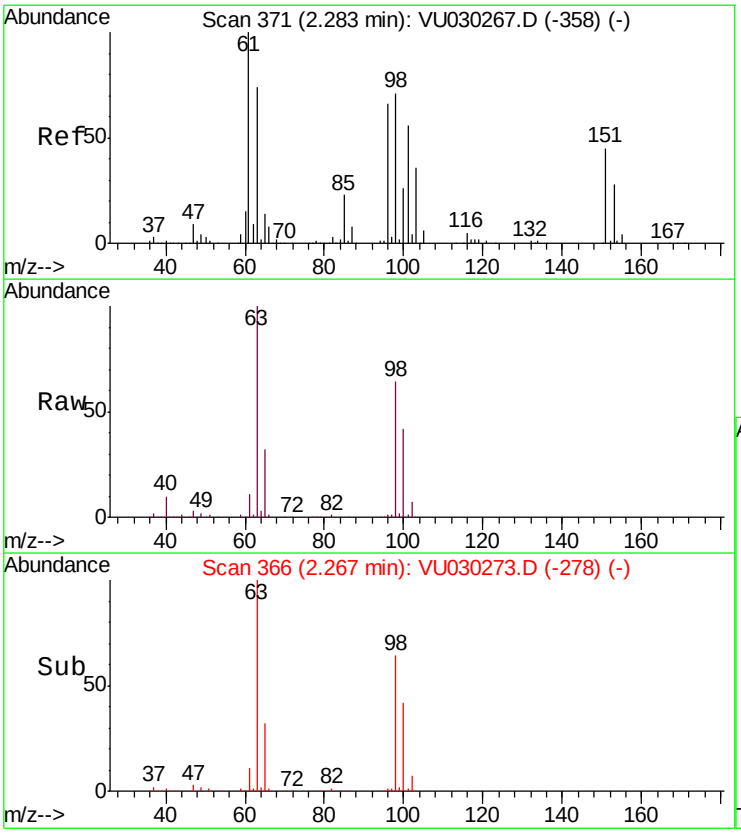
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.676 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument :
MSVOA_U
ClientSampleId :
C09A7DL

Tgt Ion:101 Resp: 2429

Ion	Ratio	Lower	Upper
101	100		
85	3.3	32.5	48.7#
151	1.9	64.7	97.1#

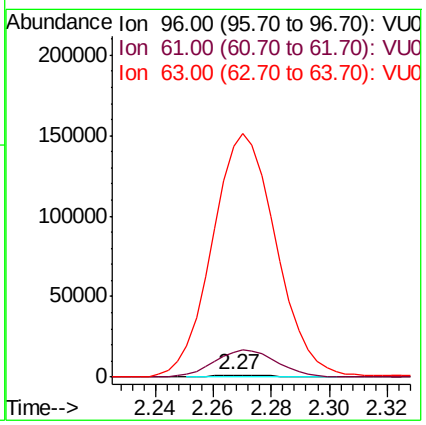


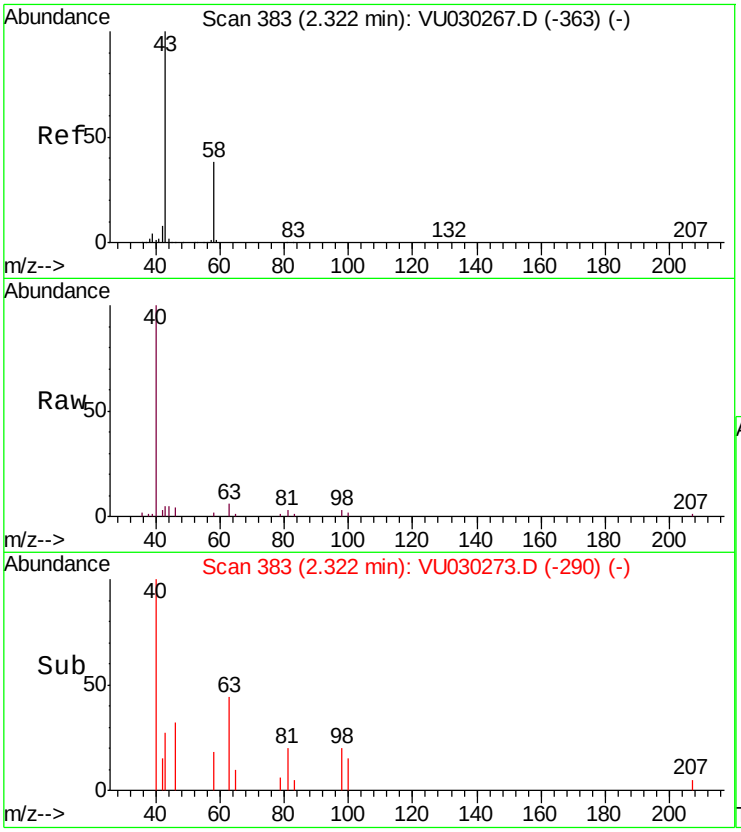


#12
1,1-Dichloroethene
Concen: 0.555 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.02 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion: 96 Resp: 1979

Ion	Ratio	Lower	Upper
96	100		
61	1156.3	104.6	194.2#
63	10628.7	77.2	143.4#



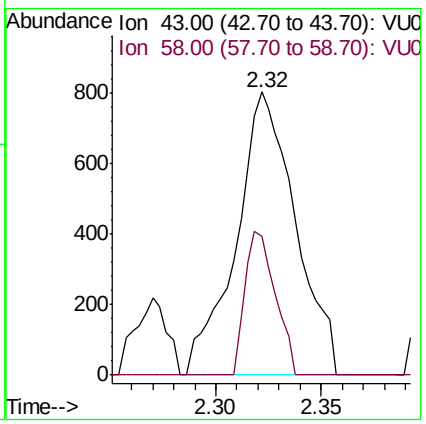


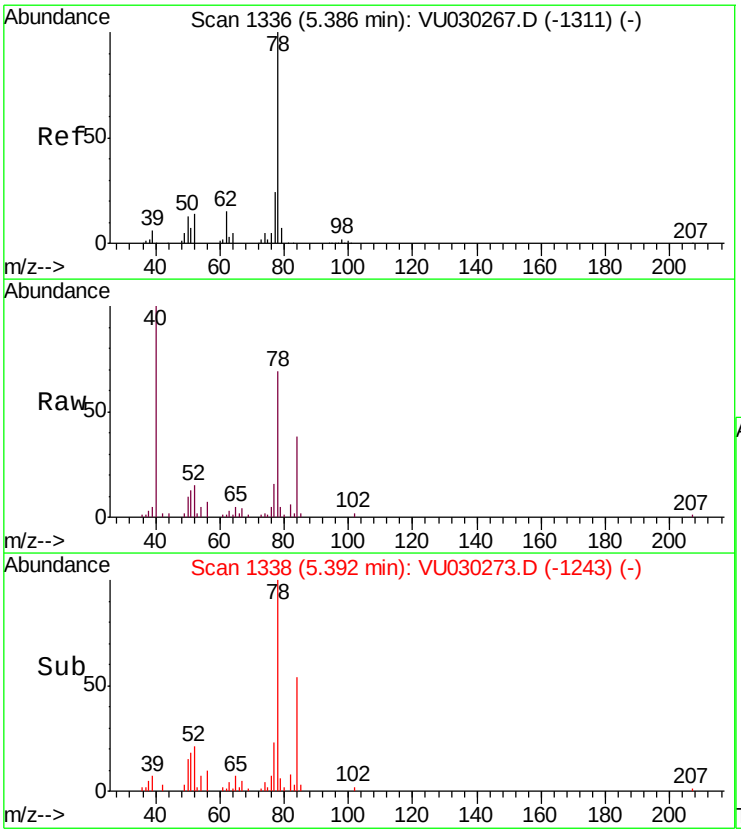
#13
Acetone
Concen: 0.560 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument :
MSVOA_U
ClientSampleId :
C09A7DL

Tgt Ion: 43 Resp: 1569

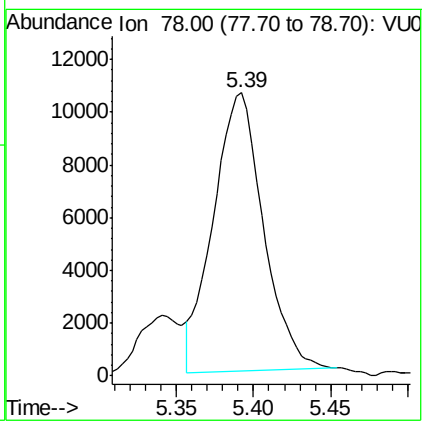
Ion	Ratio	Lower	Upper
43	100		
58	25.9	0.0	73.4

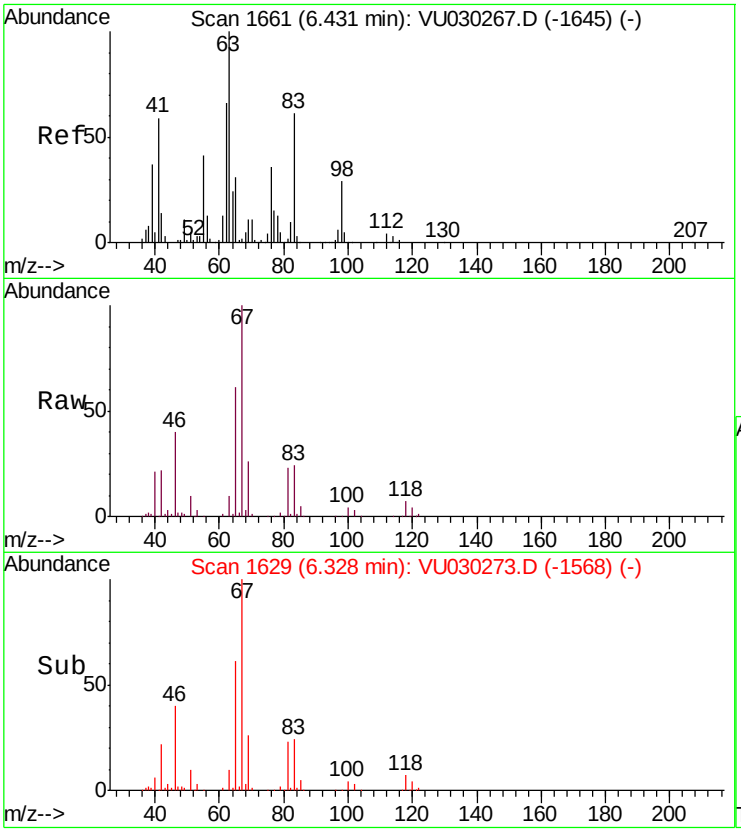




#33
Benzene
Concen: 1.566 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion: 78 Resp: 23715



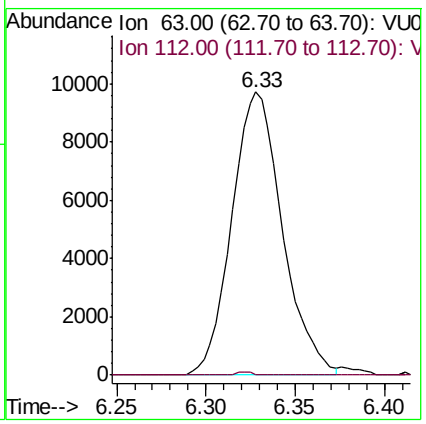


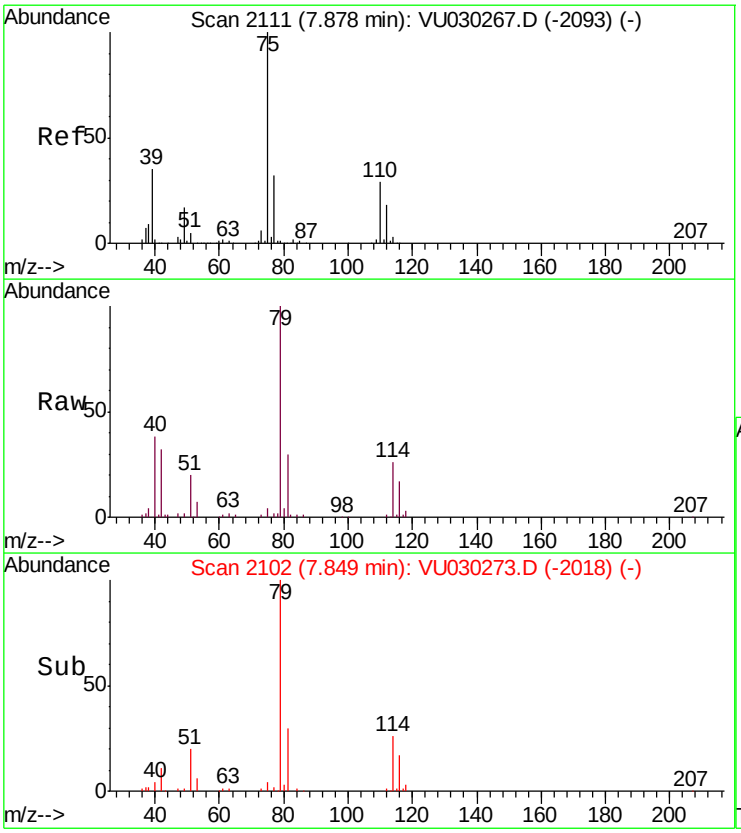
#37
1,2-Dichloropropane
Concen: 4.949 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument : MSVOA_U
ClientSampleId : C09A7DL

Tgt Ion: 63 Resp: 19195

Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.3	4.9#

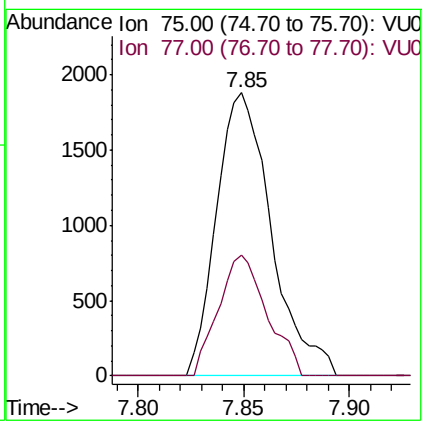


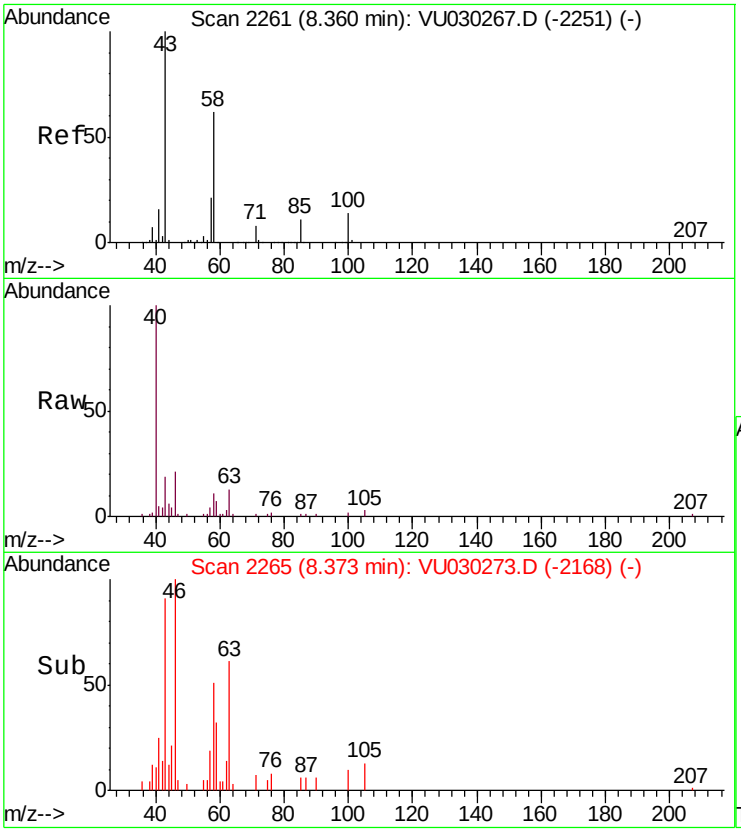


#44
trans-1,3-Dichloropropene
Concen: 0.631 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion: 75 Resp: 3396

Ion	Ratio	Lower	Upper
75	100		
77	42.8	22.7	42.1#



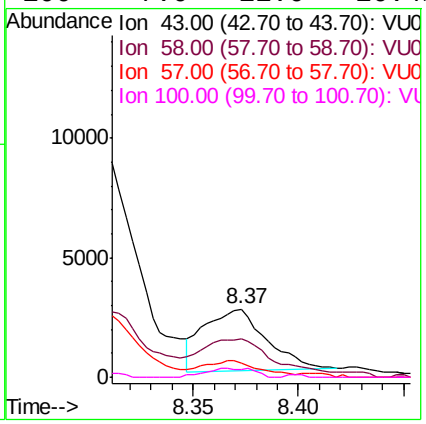


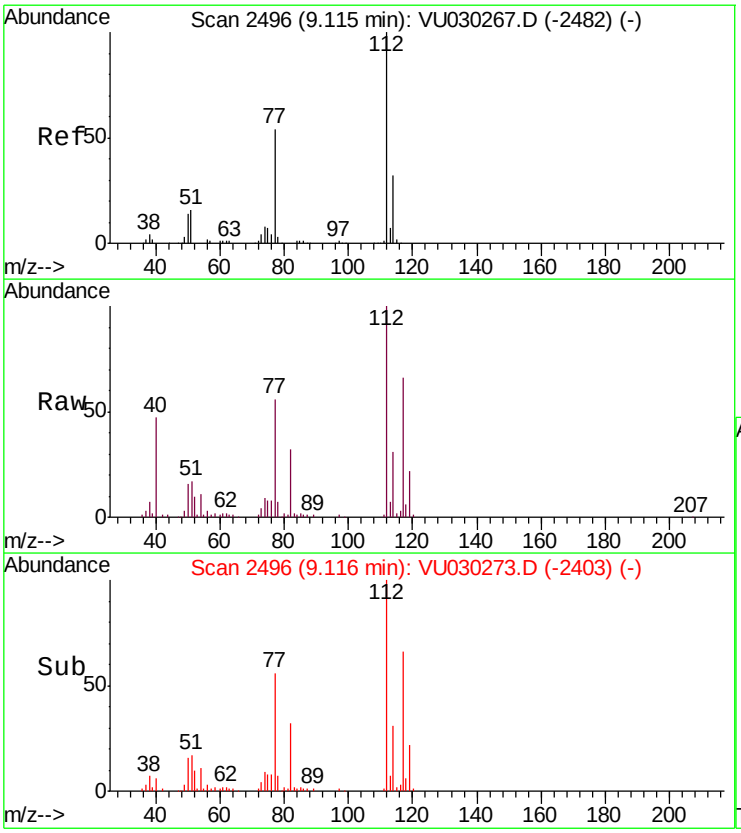
#48
2-Hexanone
Concen: 1.209 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument : MSVOA_U
ClientSampleId : C09A7DL

Tgt Ion: 43 Resp: 5347

Ion	Ratio	Lower	Upper
43	100		
58	60.9	49.3	73.9
57	24.2	17.0	25.4
100	7.0	11.0	16.4#

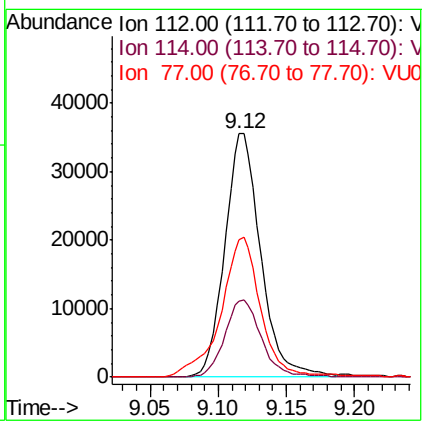


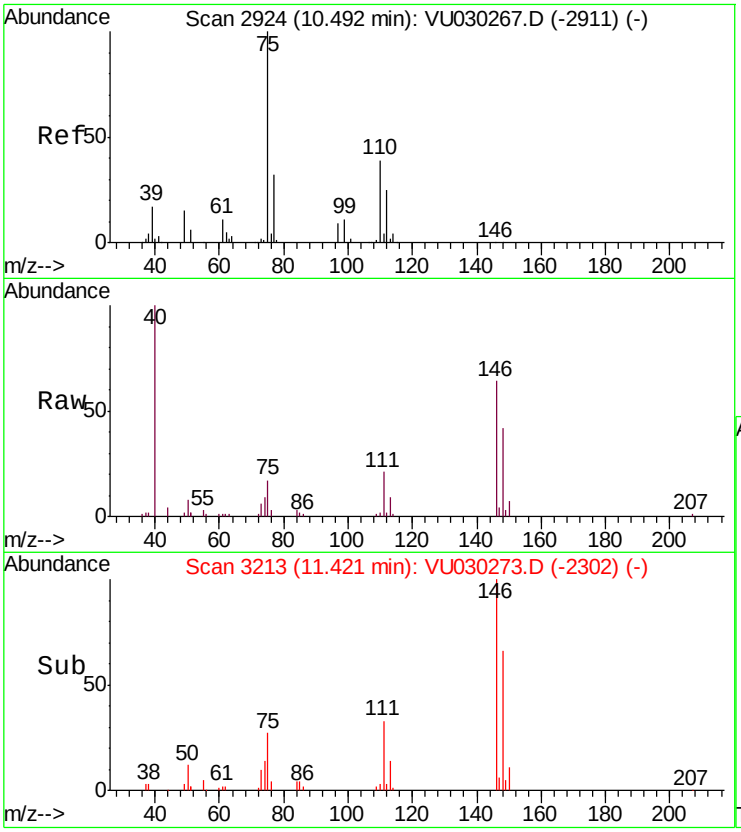


#51
Chlorobenzene
Concen: 5.963 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion:112 Resp: 65033

Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.5	41.7
77	56.3	43.4	65.0



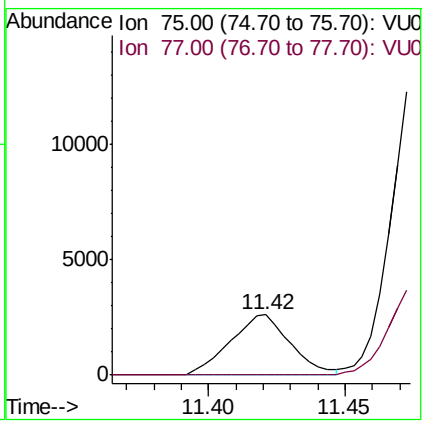


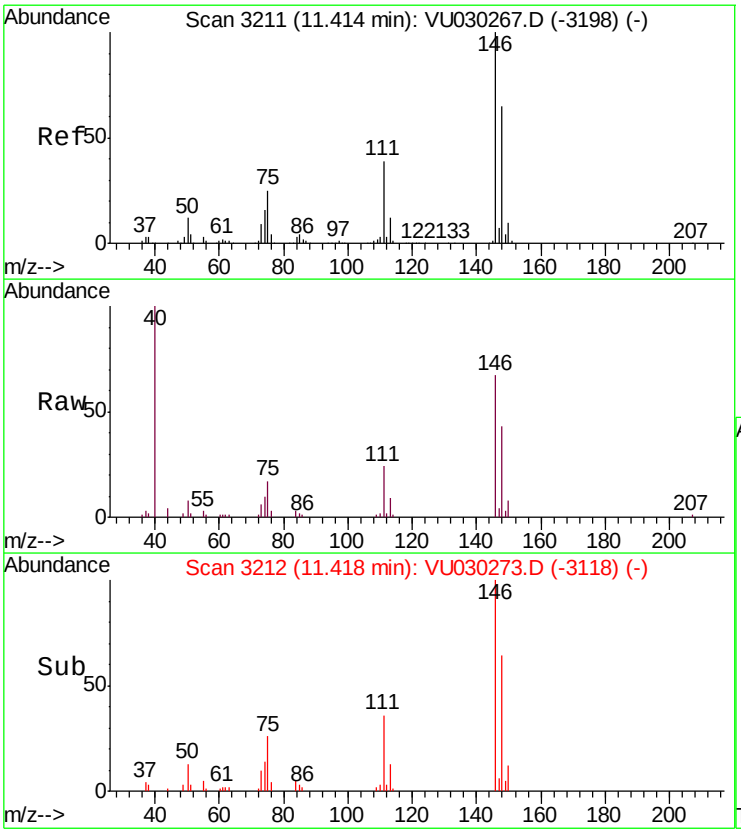
#59
1,2,3-Trichloropropane
Concen: 0.765 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. 0.93 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument : MSVOA_U
ClientSampleId : C09A7DL

Tgt Ion: 75 Resp: 4009

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.8	38.8#

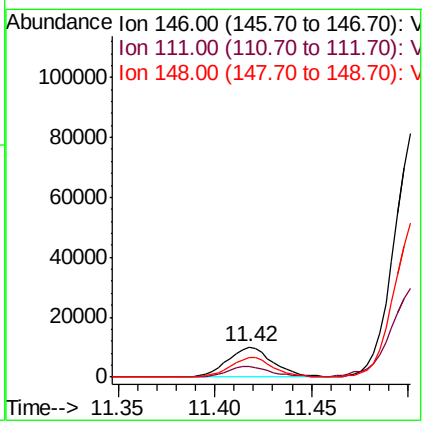


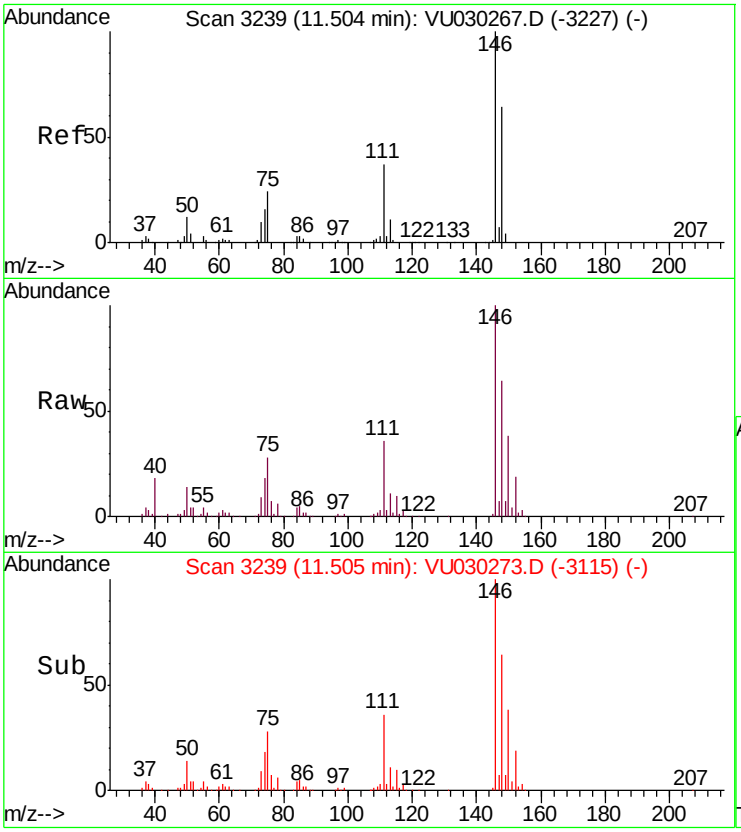


#62
1,3-Dichlorobenzene
Concen: 2.084 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion:146 Resp: 16333

Ion	Ratio	Lower	Upper
146	100		
111	35.9	27.2	50.4
148	64.3	44.4	82.5



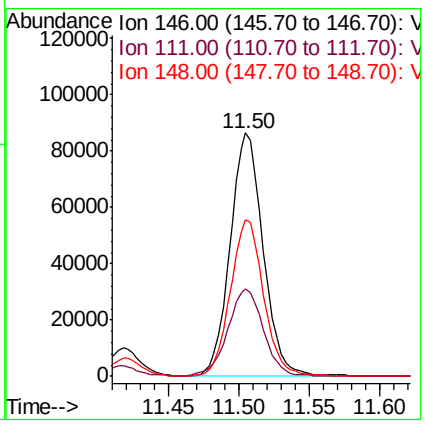


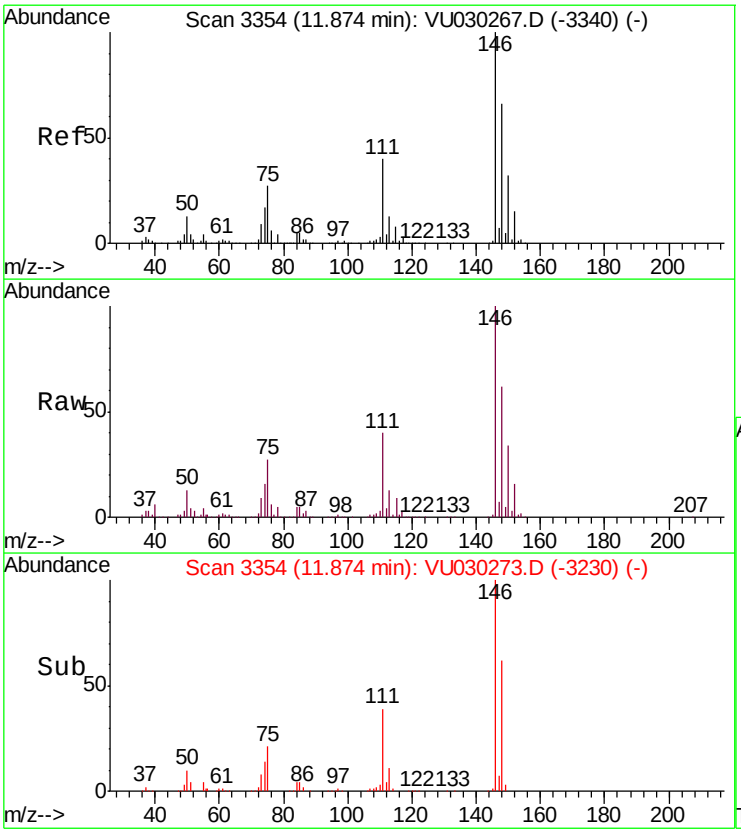
#63
1,4-Dichlorobenzene
Concen: 17.324 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument : MSVOA_U
ClientSampleId : C09A7DL

Tgt Ion:146 Resp: 140832

Ion	Ratio	Lower	Upper
146	100		
111	35.8	25.3	46.9
148	64.4	44.7	82.9

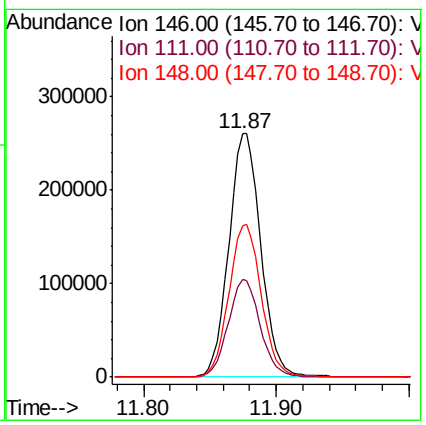


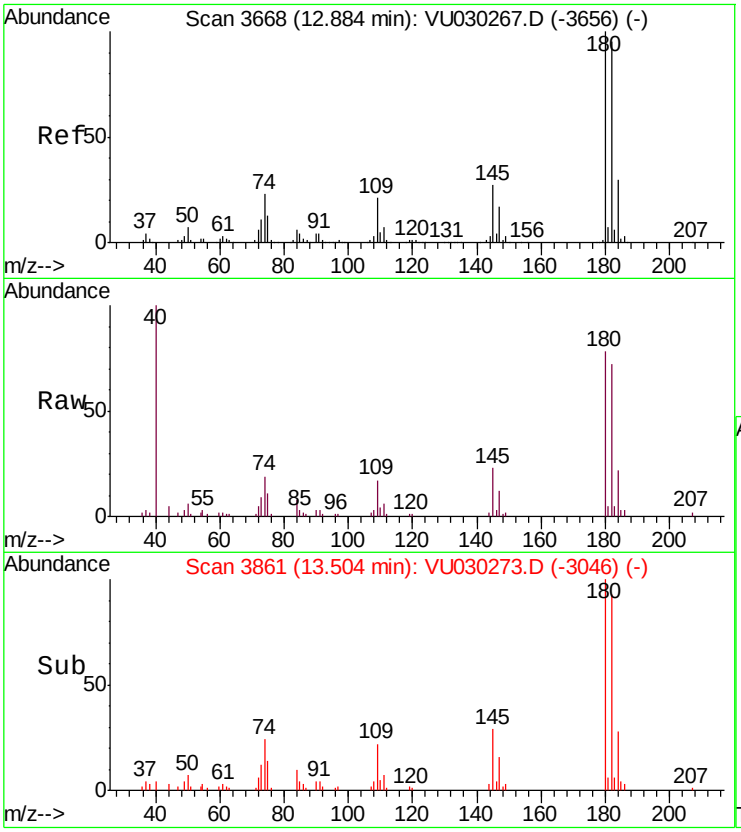


#65
1,2-Dichlorobenzene
Concen: 54.522 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion:146 Resp: 436561

Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.7	47.5
148	62.0	52.0	78.0



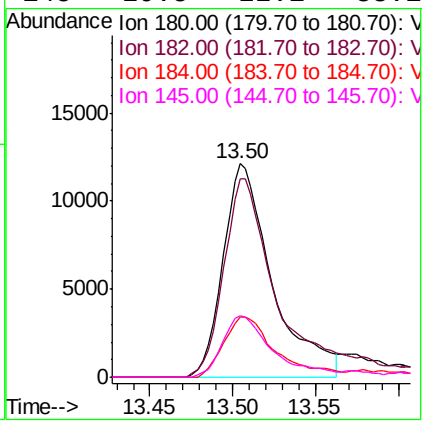


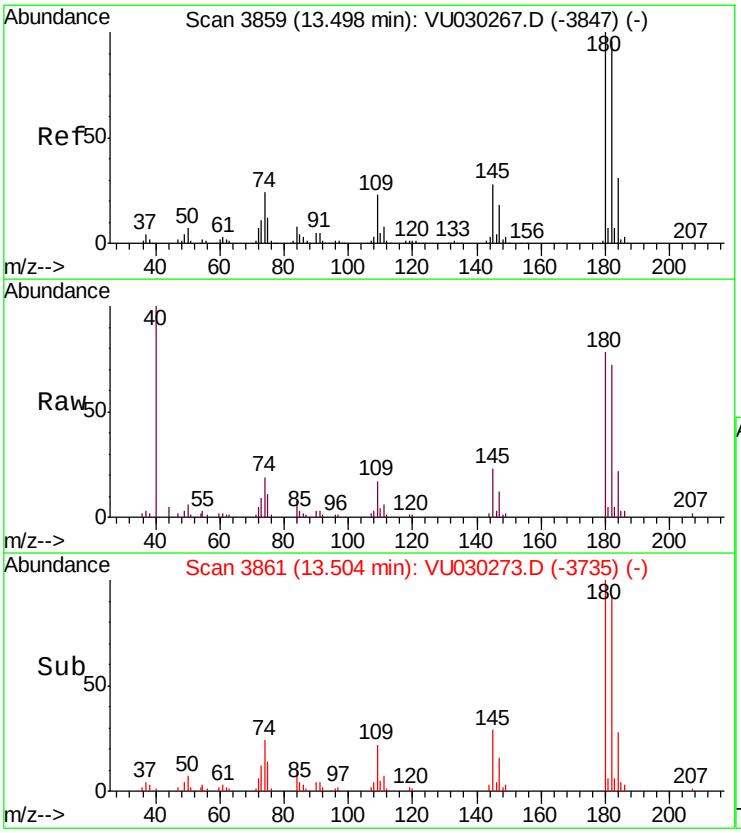
#67
1,3,5-Trichlorobenzene
Concen: 4.090 ug/L
RT: 13.50 min Scan# 3861
Delta R.T. 0.62 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument :
MSVOA_U
ClientSampleId :
C09A7DL

Tgt Ion:180 Resp: 25053

Ion	Ratio	Lower	Upper
180	100		
182	98.8	76.0	114.0
184	28.3	24.2	36.4
145	29.5	22.1	33.1

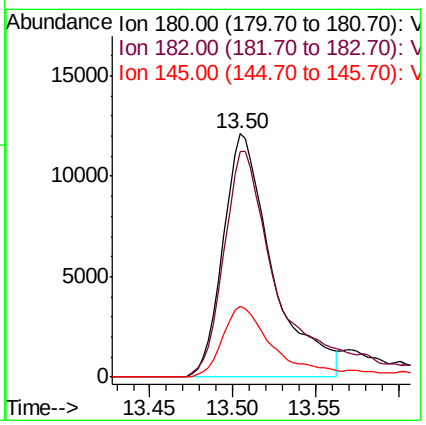


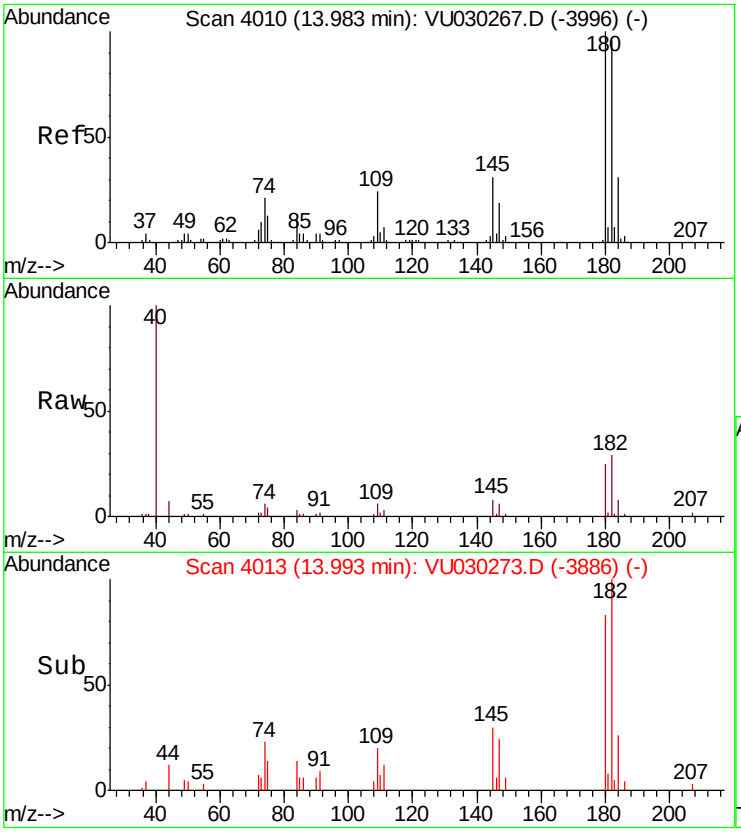


#68
1,2,4-trichlorobenzene
Concen: 4.625 ug/L
RT: 13.50 min Scan# 3861
Delta R.T. 0.01 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion:180 Resp: 25053

Ion	Ratio	Lower	Upper
180	100		
182	98.8	76.4	114.6
145	29.5	22.7	34.1





#70
1,2,3-Trichlorobenzene
Concen: 1.588 ug/L
RT: 13.99 min Scan# 4013
Delta R.T. 0.01 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument :
MSVOA_U
ClientSampleId :
C09A7DL

Tgt Ion:180 Resp: 8973

Ion	Ratio	Lower	Upper
180	100		
182	124.9	75.9	113.9#
145	15.9	24.1	36.1#