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

Quantitation Report (Not Reviewed)

Data File : VU030378.D
Acq On : 24 Mar 2019 18:11
Operator : JC/SP
Sample : K2016-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0989

Quant Time: Mar 25 03:26:56 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	443734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	438329	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.50	152	251248	50.00	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	135964	38.07	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 76.14%			
7) Chloroethane-d5	1.68	69	113209	40.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.00%			
11) 1,1-Dichloroethene-d2	2.27	63	199613	29.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 58.94%#			
21) 2-Butanone-d5	4.17	46	298822	89.01	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 89.01%			
24) Chloroform-d	4.64	84	268953	43.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.42%			
26) 1,2-Dichloroethane-d4	5.31	65	182445	45.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.62%			
32) Benzene-d6	5.34	84	566499	45.07	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.14%			
36) 1,2-Dichloropropane-d6	6.33	67	196402	45.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.34%			
41) Toluene-d8	7.56	98	510661	45.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.46%			
43) trans-1,3-Dichloropropene-	7.85	79	82768	40.93	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.86%			
47) 2-Hexanone-d5	8.31	63	202701	86.98	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.98%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	271184	44.06	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 88.12%			
64) 1,2-Dichlorobenzene-d4	11.90	152	265287	52.70	ug/L	0.04
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.40%			
Target Compounds						Qvalue
13) Acetone	2.32	43	14819	4.365	ug/L	98
25) Chloroform	4.67	83	42462	6.535	ug/L	97
27) 1,2-Dichloroethane	5.39	62	260558	51.108	ug/L #	75
29) Cyclohexane	4.99	56	13374	2.016	ug/L	99
31) Carbon tetrachloride	5.13	117	68244	15.001	ug/L	96
35) Methylcyclohexane	6.41	83	7941	1.316	ug/L #	81
42) Toluene	7.64	91	9414	0.608	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3262	0.609	ug/L	92
46) Tetrachloroethene	8.23	164	5656	2.208	ug/L	90
62) 1,3-Dichlorobenzene	11.42	146	6423317	781.759	ug/L	100
63) 1,4-Dichlorobenzene	11.42	146	6423317	759.377	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	55092	29.781	ug/L #	7
67) 1,3,5-Trichlorobenzene	12.89	180	8625	1.402	ug/L	93
69) Naphthalene	13.75	128	9434	0.496	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	5090402	901.985	ug/L	100

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

Quantitation Report (Not Reviewed)

Data File : VU030378.D
Acq On : 24 Mar 2019 18:11
Operator : JC/SP
Sample : K2016-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0989

Quant Time: Mar 25 03:26:56 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

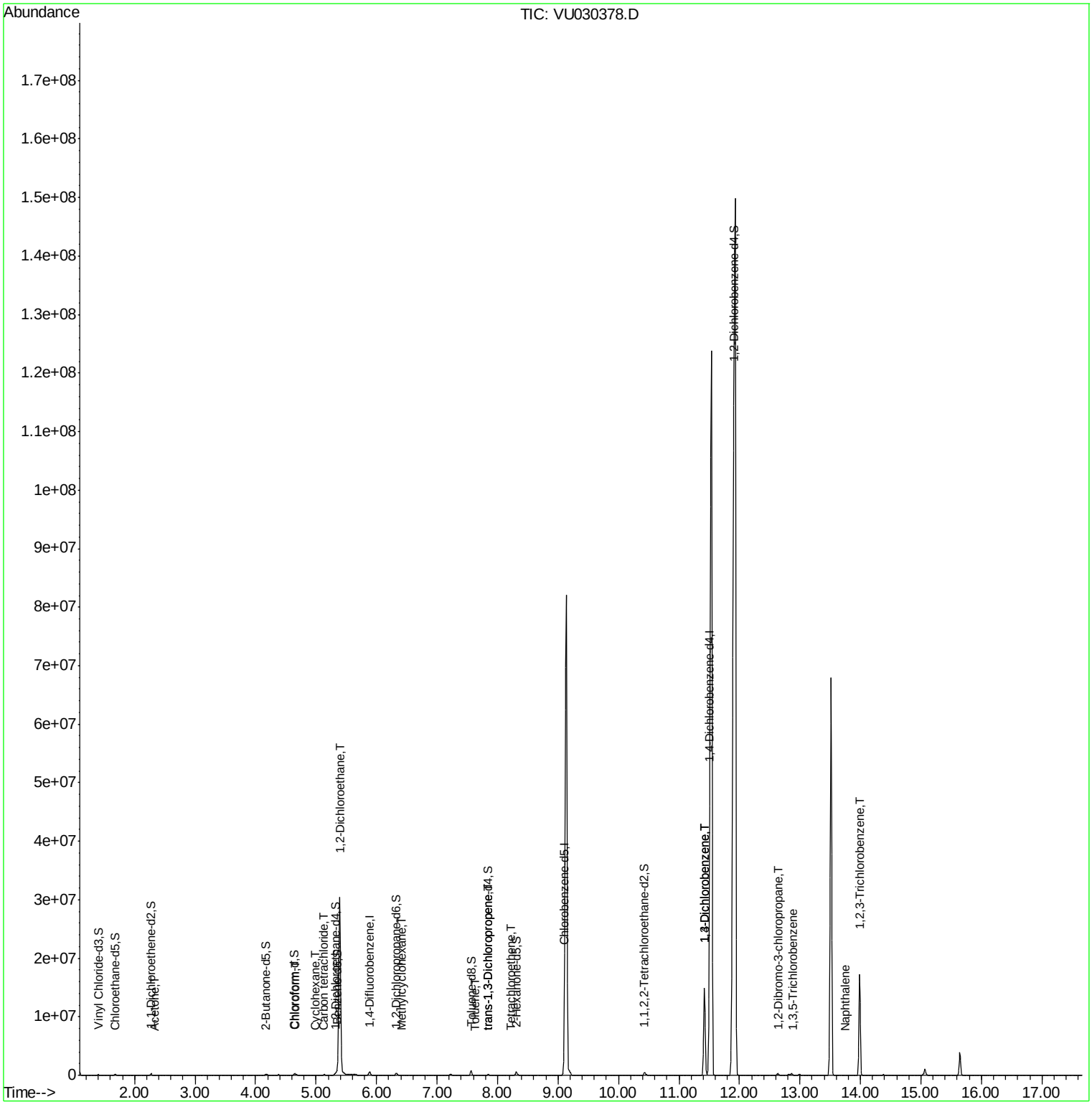
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\

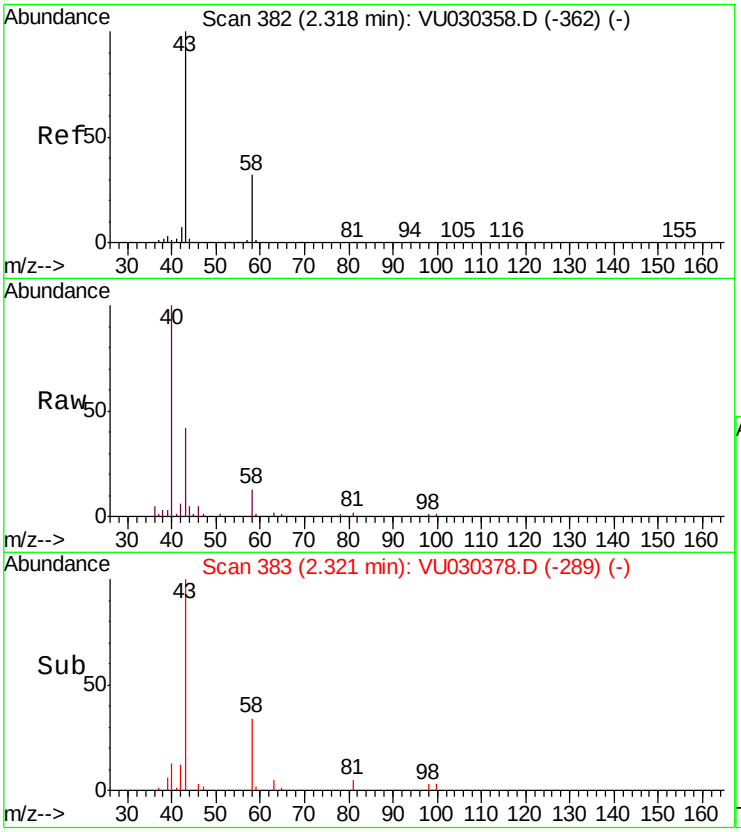
Quantitation Report (Not Reviewed)

Data File : VU030378.D
Acq On : 24 Mar 2019 18:11
Operator : JC/SP
Sample : K2016-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0989

Quant Time: Mar 25 03:26:56 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



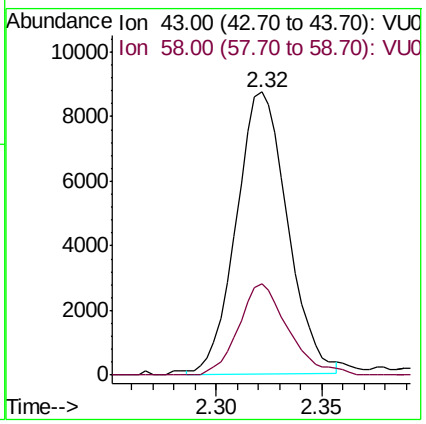


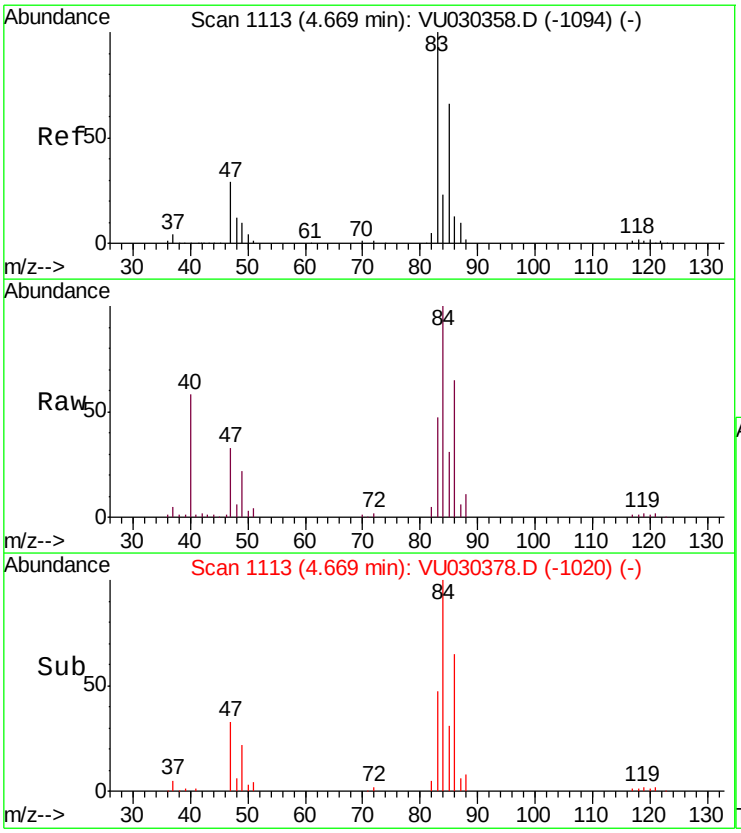
#13
Acetone
Concen: 4.365 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument : MSVOA_U
ClientSampleId : C0989

Tgt Ion: 43 Resp: 14819

Ion	Ratio	Lower	Upper
43	100		
58	30.5	0.0	62.8

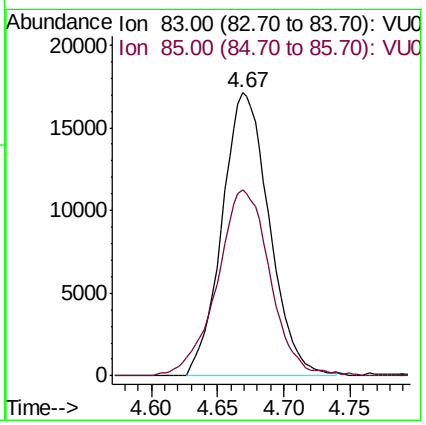


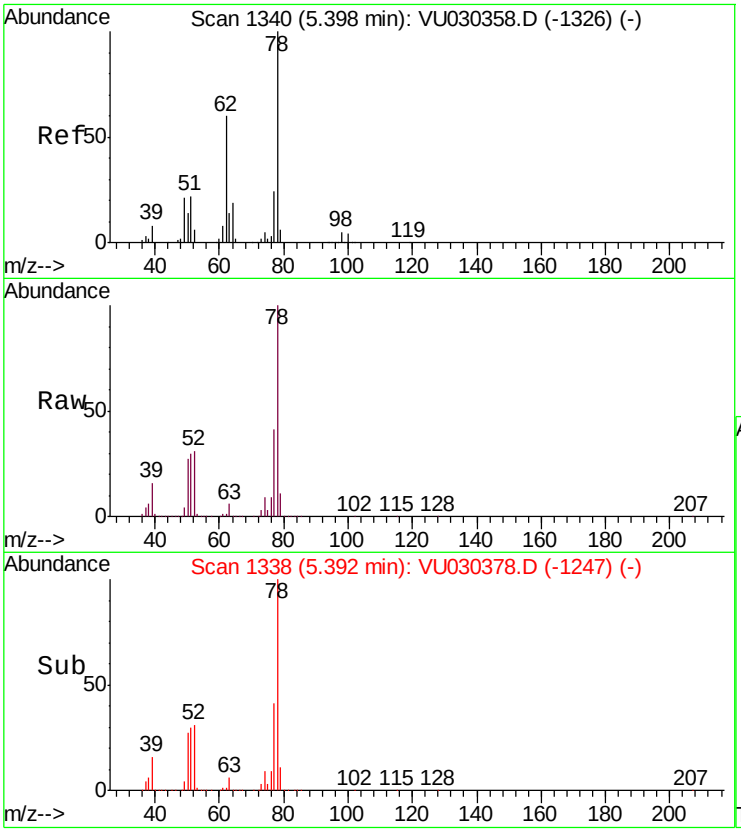


#25
Chloroform
Concen: 6.535 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion: 83 Resp: 42462

Ion	Ratio	Lower	Upper
83	100		
85	65.8	44.4	82.4



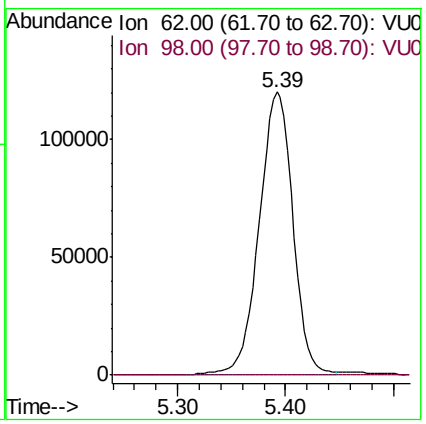


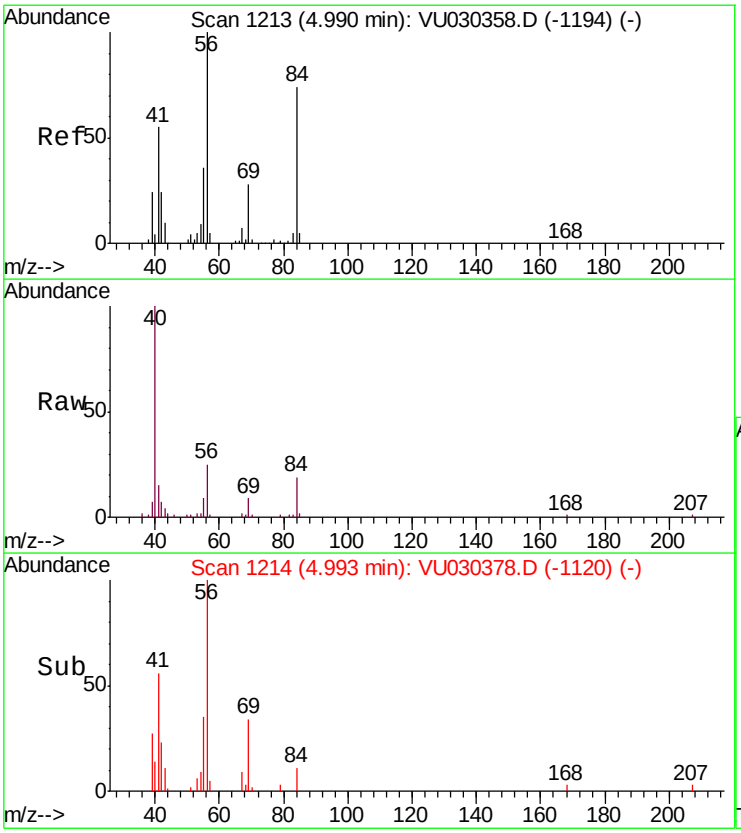
#27
1,2-Dichloroethane
Concen: 51.108 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument : MSVOA_U
ClientSampleId : C0989

Tgt Ion: 62 Resp: 260558

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#

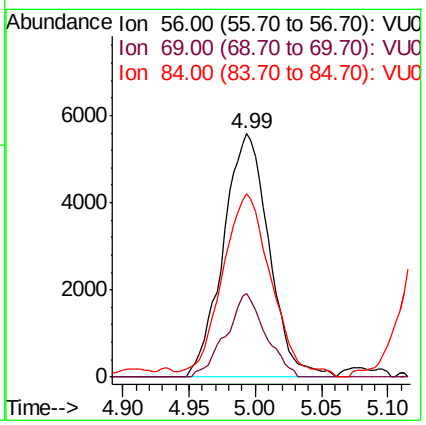


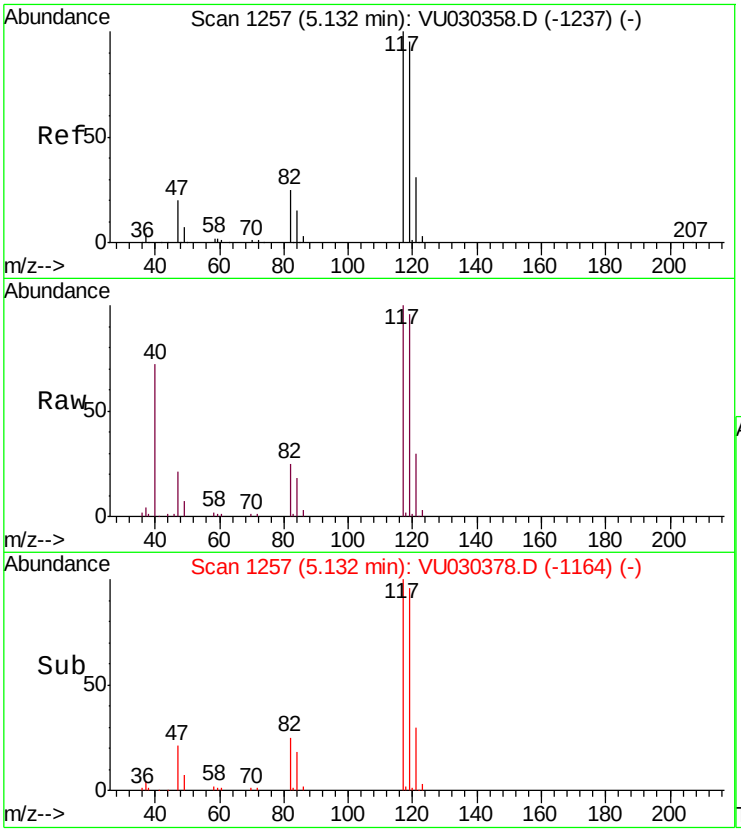


#29
Cyclohexane
Concen: 2.016 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion: 56 Resp: 13374

Ion	Ratio	Lower	Upper
56	100		
69	29.5	22.9	34.3
84	74.1	58.9	88.3



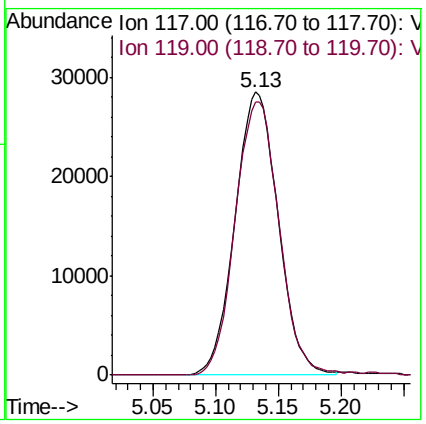


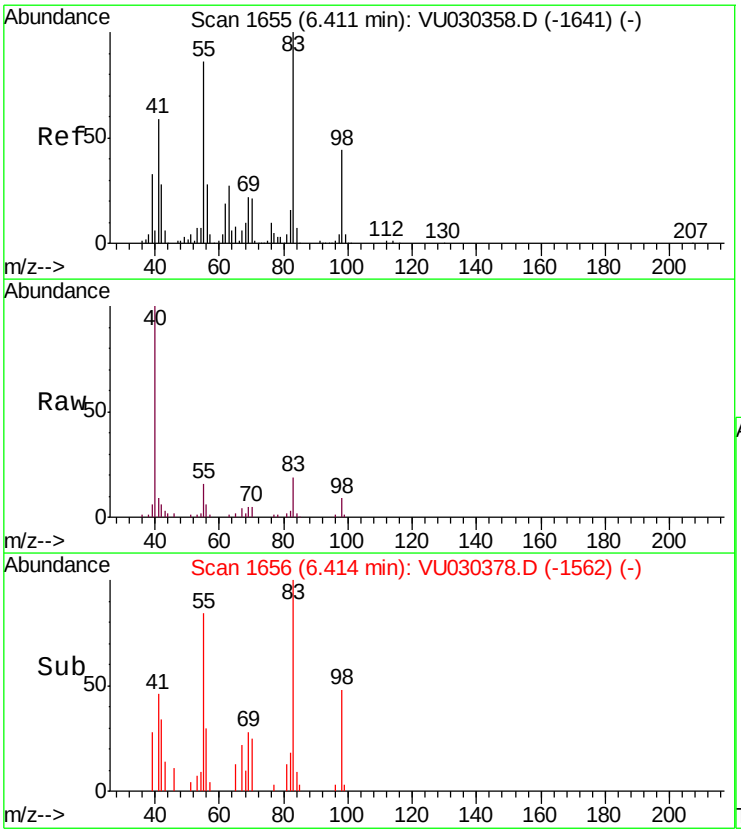
#31
Carbon tetrachloride
Concen: 15.001 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
C0989

Tgt Ion:117 Resp: 68244

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.4	113.2

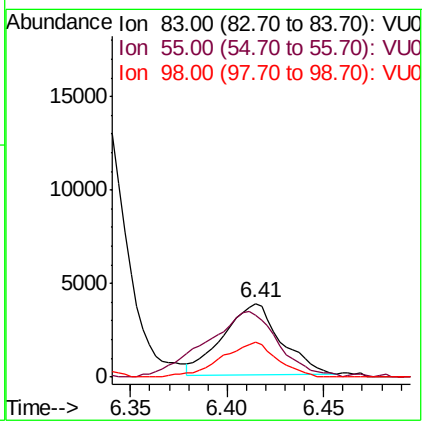


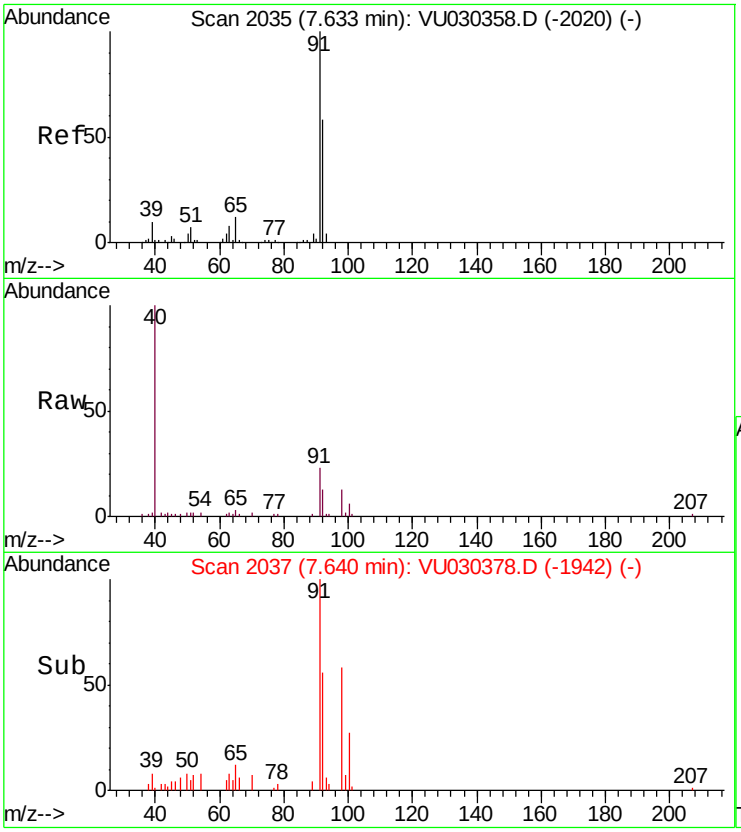


#35
Methylcyclohexane
Concen: 1.316 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion: 83 Resp: 7941

Ion	Ratio	Lower	Upper
83	100		
55	114.9	71.4	107.0#
98	46.9	36.0	54.0



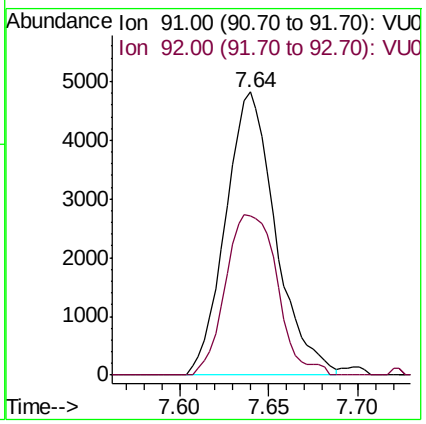


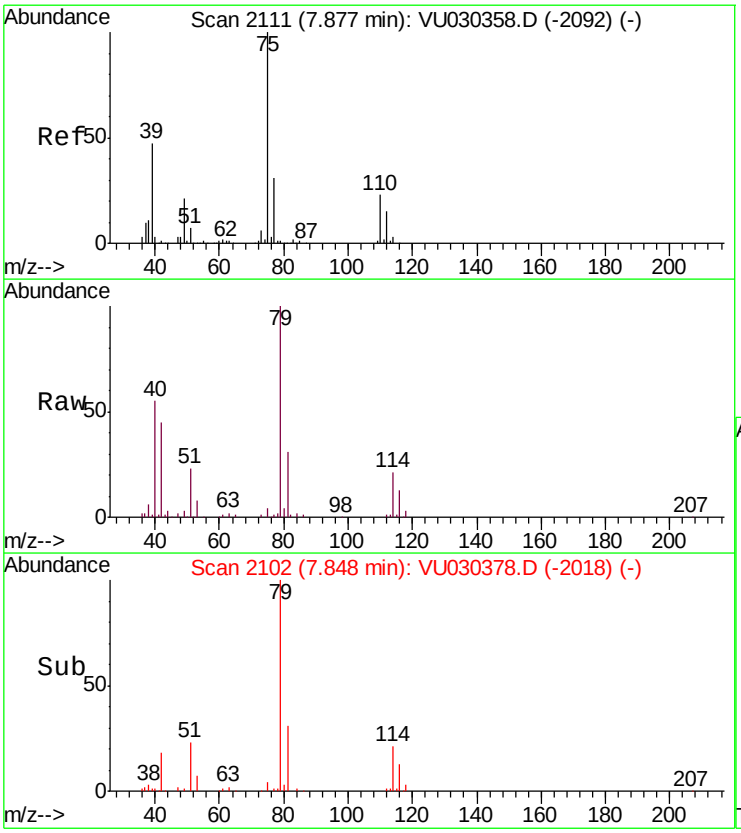
#42
Toluene
Concen: 0.608 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument : MSVOA_U
ClientSampleId : C0989

Tgt Ion: 91 Resp: 9414

Ion	Ratio	Lower	Upper
91	100		
92	56.5	39.7	73.7

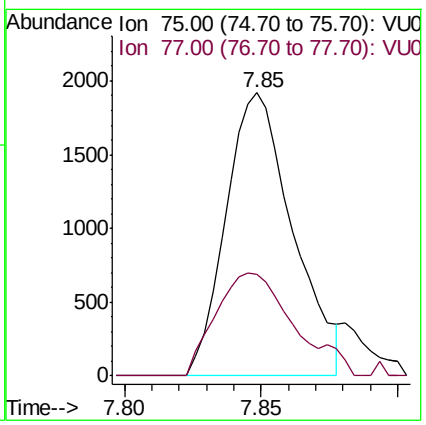


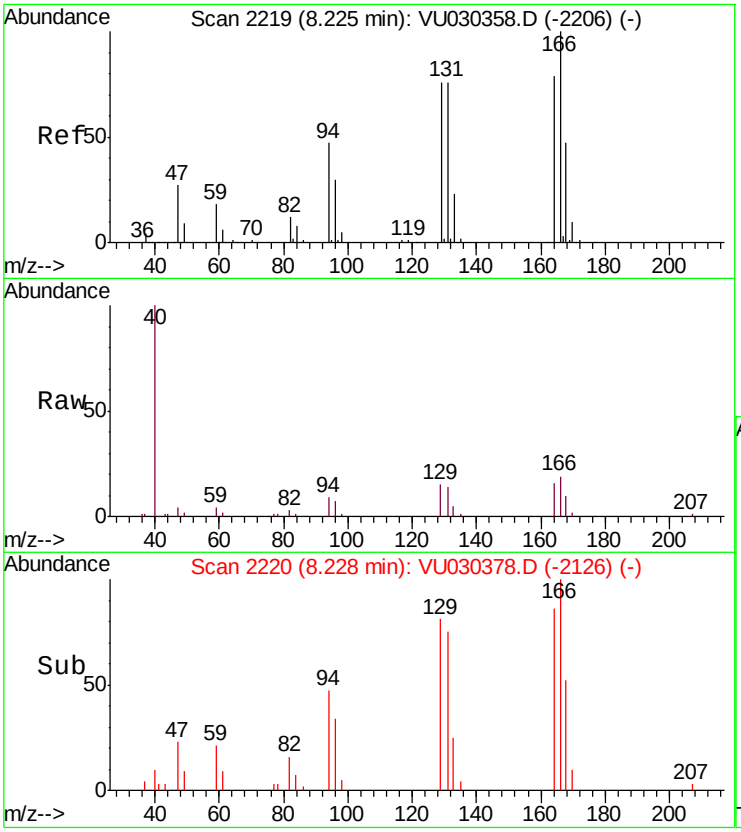


#44
trans-1,3-Dichloropropene
Concen: 0.609 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion: 75 Resp: 3262

Ion	Ratio	Lower	Upper
75	100		
77	36.0	22.0	40.8



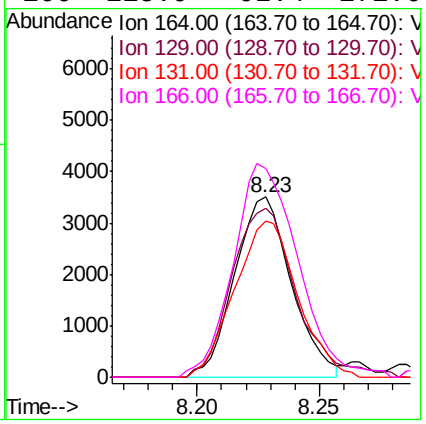


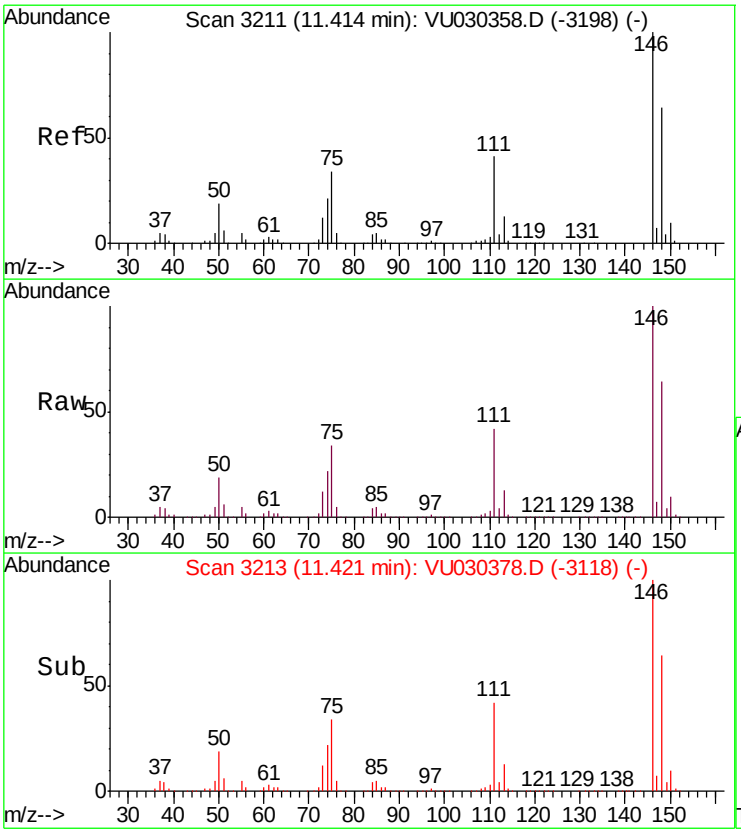
#46
Tetrachloroethene
Concen: 2.208 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument : MSVOA_U
ClientSampleId : C0989

Tgt Ion:164 Resp: 5656

Ion	Ratio	Lower	Upper
164	100		
129	93.7	68.1	126.5
131	87.0	67.7	125.7
166	115.9	92.4	171.6

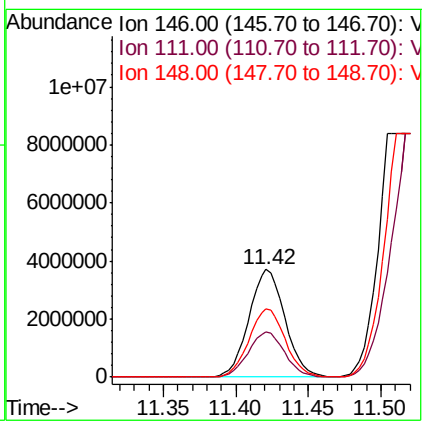


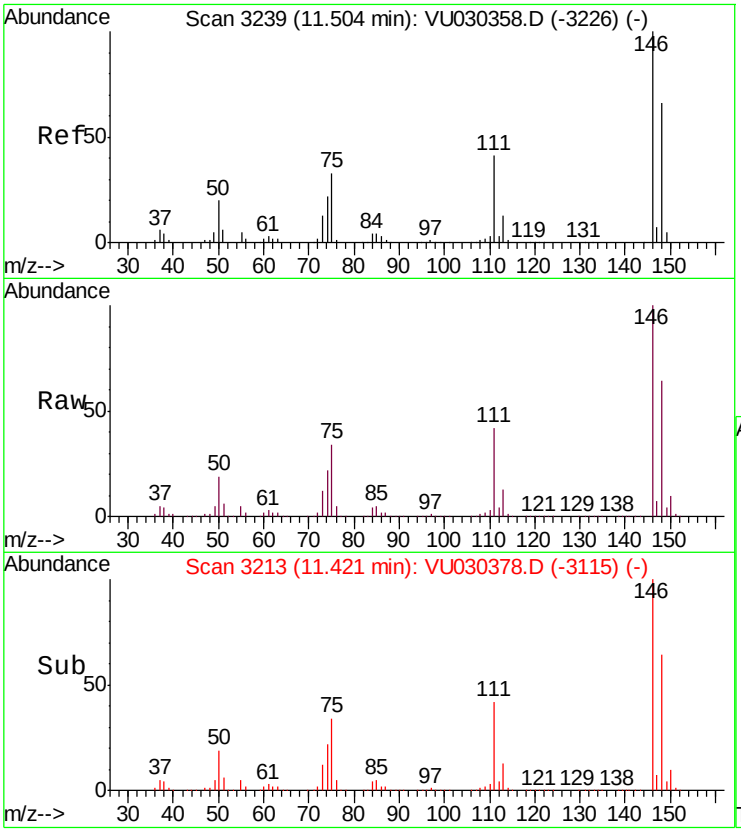


#62
1,3-Dichlorobenzene
Concen: 781.759 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion:146 Resp: 6423317

Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.2	54.2
148	63.8	44.4	82.4



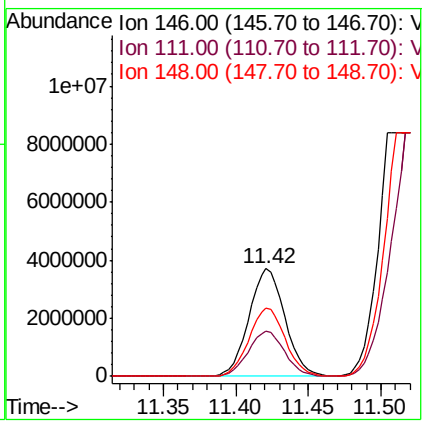


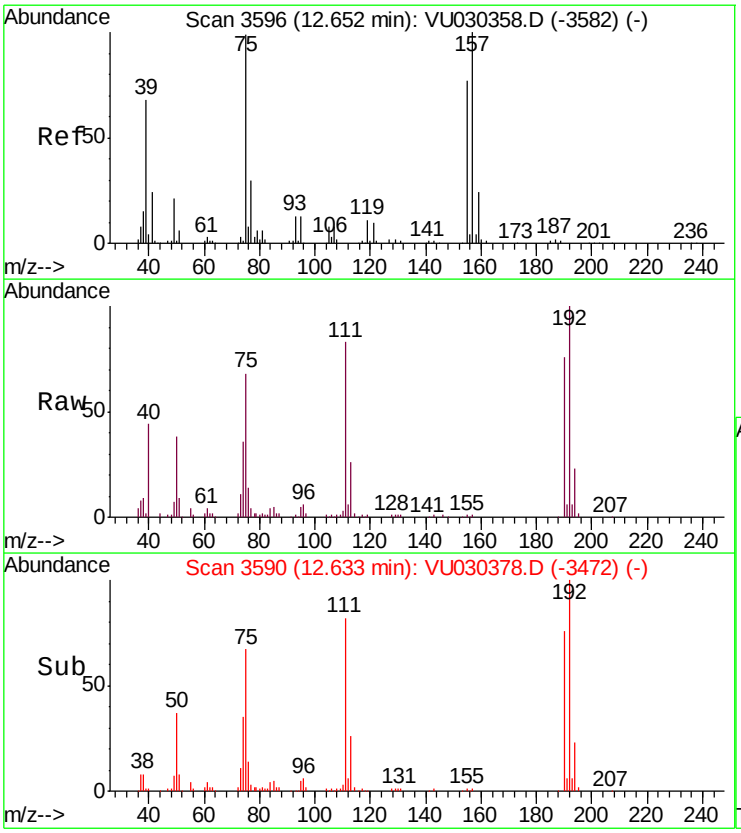
#63
1,4-Dichlorobenzene
Concen: 759.377 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. -0.08 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
C0989

Tgt Ion:146 Resp: 6423317

Ion	Ratio	Lower	Upper
146	100		
111	41.9	28.7	53.3
148	63.8	44.3	82.3

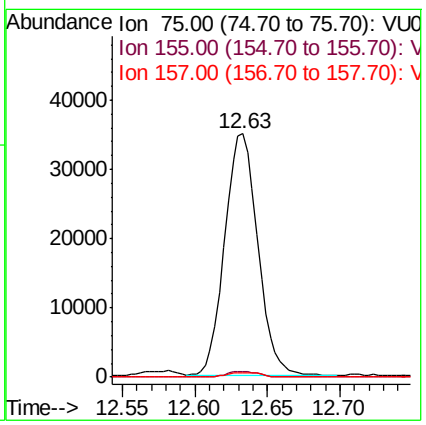


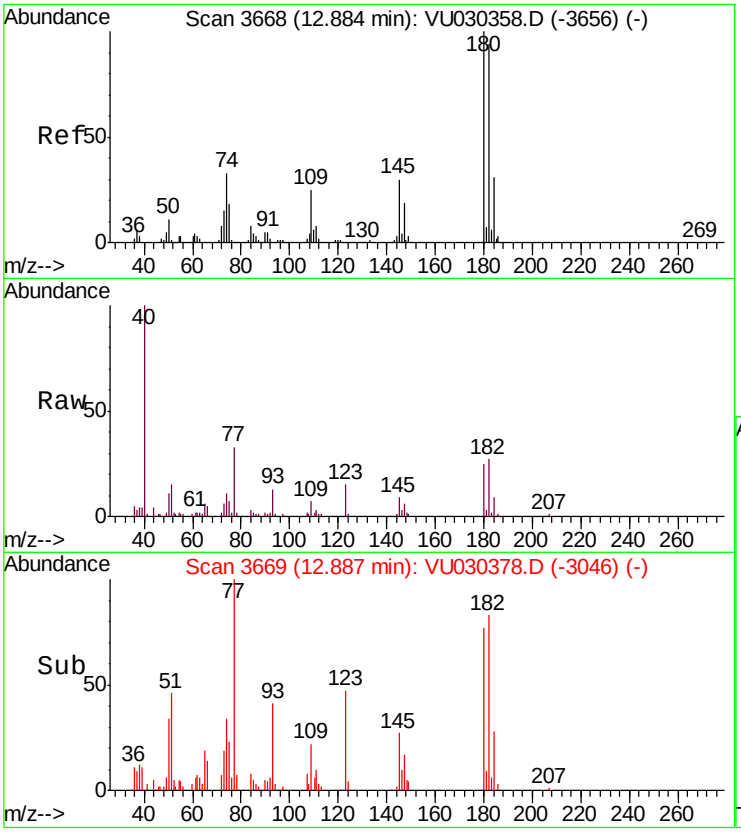


#66
1,2-Dibromo-3-chloropropane
Concen: 29.781 ug/L
RT: 12.63 min Scan# 3590
Delta R.T. -0.02 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion: 75 Resp: 55092

Ion	Ratio	Lower	Upper
75	100		
155	2.2	61.8	92.6#
157	2.0	80.2	120.4#



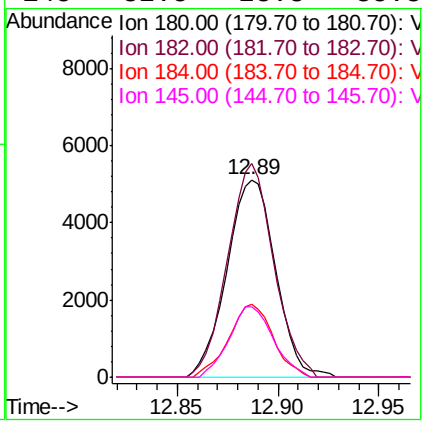


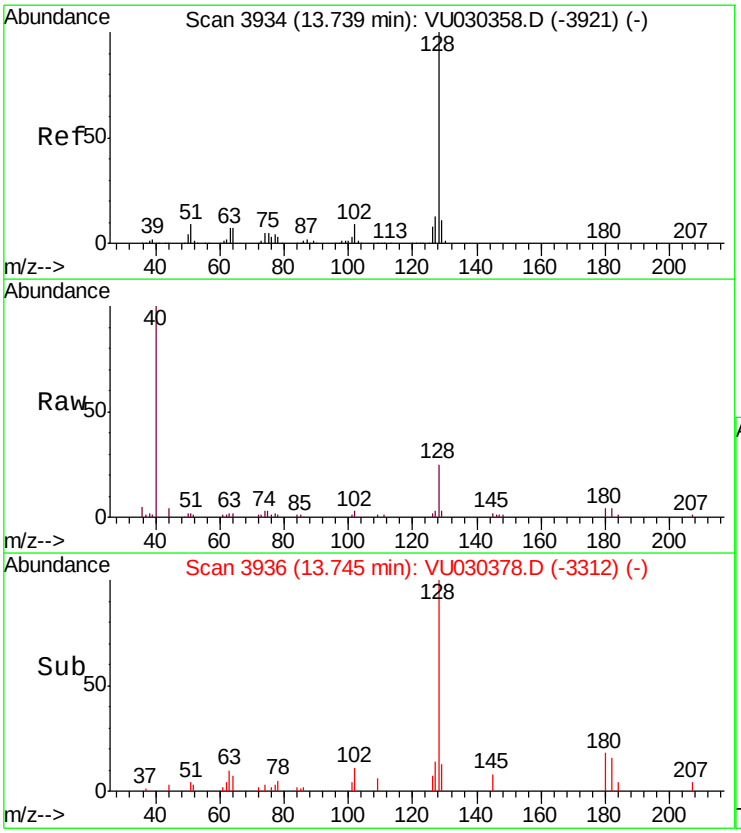
#67
1,3,5-Trichlorobenzene
Concen: 1.402 ug/L
RT: 12.89 min Scan# 3669
Delta R.T. 0.00 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
C0989

Tgt Ion:180 Resp: 8625

Ion	Ratio	Lower	Upper
180	100		
182	102.6	75.9	113.9
184	33.7	24.1	36.1
145	32.5	23.8	35.8

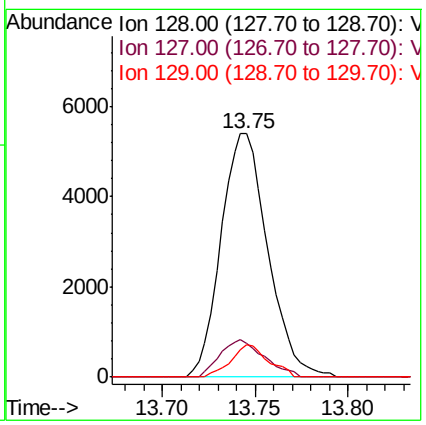


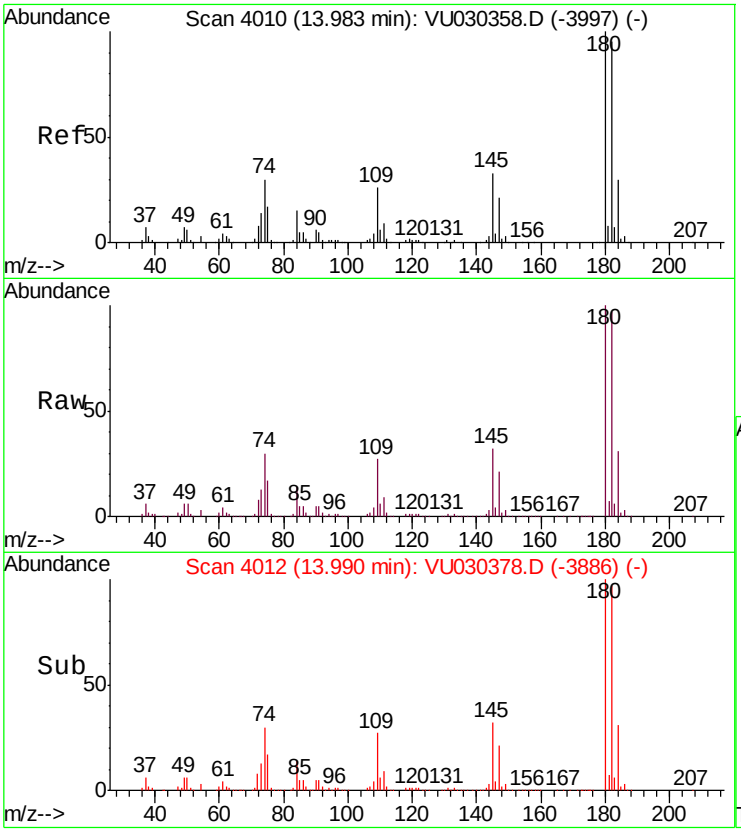


#69
Naphthalene
Concen: 0.496 ug/L
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Tgt Ion:128 Resp: 9434

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.4	15.6
129	10.6	8.4	12.6





#70
1,2,3-Trichlorobenzene
Concen: 901.985 ug/L
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU030378.D
Acq: 24 Mar 2019 18:11

Instrument :
MSVOA_U
ClientSampleId :
C0989

Tgt Ion:180 Resp: 5090402

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.4	116.2
145	32.3	25.9	38.9