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

Quantitation Report (Not Reviewed)

Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09D7

Quant Time: Mar 25 05:54:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	452739	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.15	117	490117	50.00	ug/L	0.06
60) 1,4-Dichlorobenzene-d4	11.42	152	2201	50.00	ug/L	-0.05
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	125345	34.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 68.80%			
7) Chloroethane-d5	1.67	69	113727	39.38	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 78.76%			
11) 1,1-Dichloroethene-d2	2.27	63	198142	28.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 57.34%#			
21) 2-Butanone-d5	4.18	46	308798	90.16	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 90.16%			
24) Chloroform-d	4.65	84	452778	72.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 144.24%#			
26) 1,2-Dichloroethane-d4	5.32	65	187526	45.65	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.30%			
32) Benzene-d6	5.35	84	563509	40.09	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery = 80.18%			
36) 1,2-Dichloropropane-d6	6.33	67	201478	41.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 83.80%			
41) Toluene-d8	7.56	98	516757	40.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 81.88%			
43) trans-1,3-Dichloropropene-	7.85	79	87792	38.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 77.66%			
47) 2-Hexanone-d5	8.31	63	227663	87.36	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 87.36%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304182	44.20	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 88.40%			
64) 1,2-Dichlorobenzene-d4	11.92	152	301250	6830.92	ug/L	0.06
Spiked Amount 50.000	Range 80 - 120		Recovery = 13661.84%#			
Target Compounds						Qvalue
8) Chloroethane	1.60	64	2841	0.950	ug/L #	50
12) 1,1-Dichloroethene	2.27	96	1897	0.586	ug/L #	1
13) Acetone	2.32	43	231292	66.773	ug/L	99
14) Carbon disulfide	2.47	76	6019	0.562	ug/L	97
16) Methylene chloride	2.70	84	8265	2.164	ug/L	89
22) 2-Butanone	4.28	43	18823	4.496	ug/L	96
25) Chloroform	4.67	83	4572682	689.801	ug/L	98
27) 1,2-Dichloroethane	5.43	62	2153666	414.032	ug/L #	75
29) Cyclohexane	4.99	56	73733	9.941	ug/L	98
31) Carbon tetrachloride	5.14	117	1294661	254.519	ug/L	98
34) Trichloroethene	6.19	95	18314	4.465	ug/L	96
35) Methylcyclohexane	6.41	83	20630	3.057	ug/L #	76
38) Bromodichloromethane	6.76	83	49014	8.712	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	8084	1.016	ug/L #	58
42) Toluene	7.64	91	51162	2.955	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3322	0.555	ug/L #	80
46) Tetrachloroethene	8.23	164	11607	4.052	ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09D7

Quant Time: Mar 25 05:54:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.31	43	26716	4.099	ug/L #	74
49) Dibromochloromethane	8.48	129	26869	6.464	ug/L	100
53) m,p-Xylene	9.39	106	3738	0.552	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	3954	0.536	ug/L #	90
59) 1,2,3-Trichloropropane	10.45	75	12851	2.230	ug/L #	1
61) Bromoform	9.96	173	11308	386.419	ug/L	99
62) 1,3-Dichlorobenzene	11.43	146	17963510	249567.196	ug/L	99
63) 1,4-Dichlorobenzene	11.43	146	17963510	242422.060	ug/L	99
65) 1,2-Dichlorobenzene	11.82	146	507	6.966	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.63	75	86171	5317.273	ug/L #	7
67) 1,3,5-Trichlorobenzene	12.89	180	11794	218.873	ug/L	97
68) 1,2,4-trichlorobenzene	13.70	180	200	4.272	ug/L #	22
69) Naphthalene	13.75	128	12726	76.441	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	7531571	152340.445	ug/L	99

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

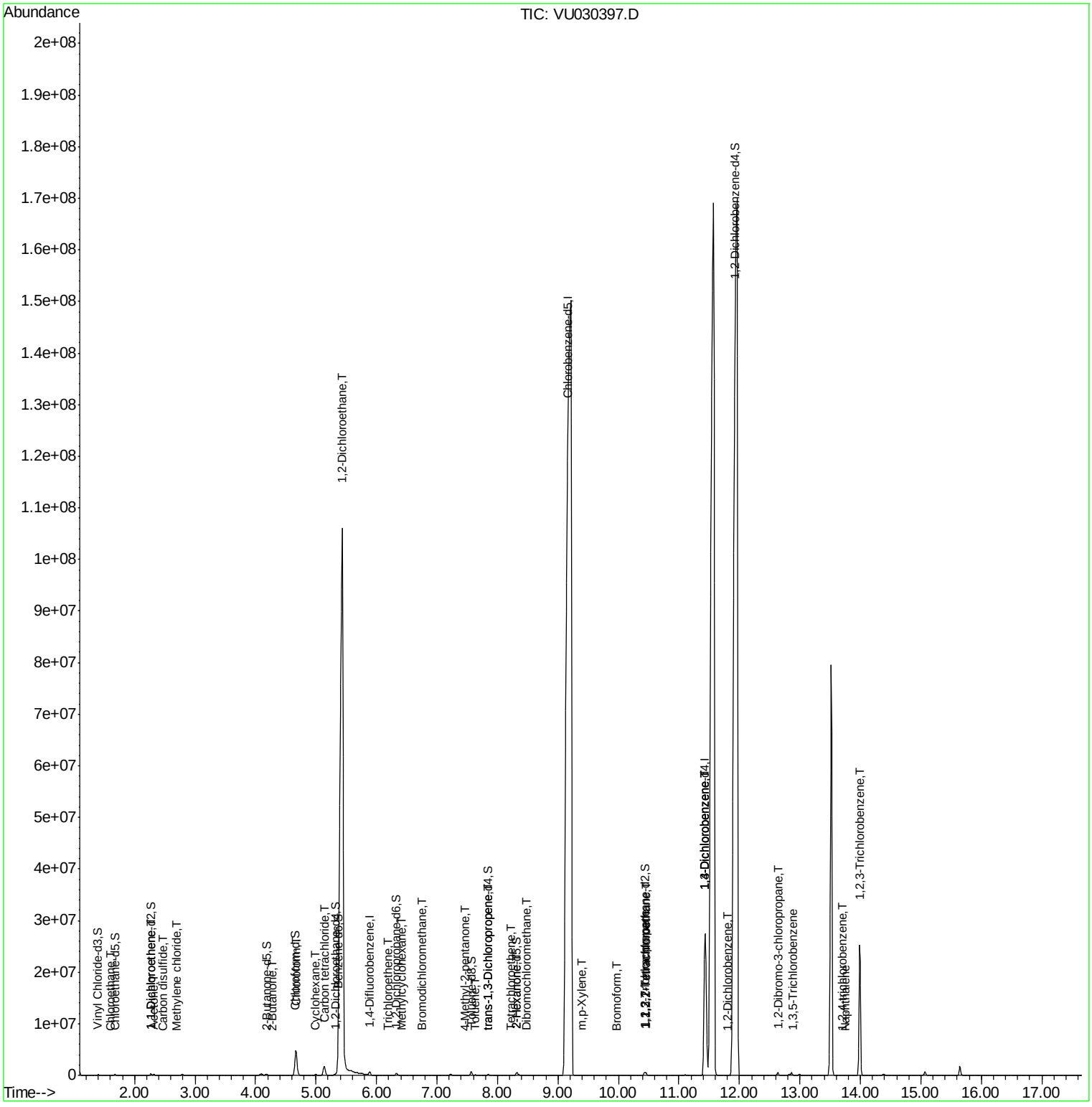
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\

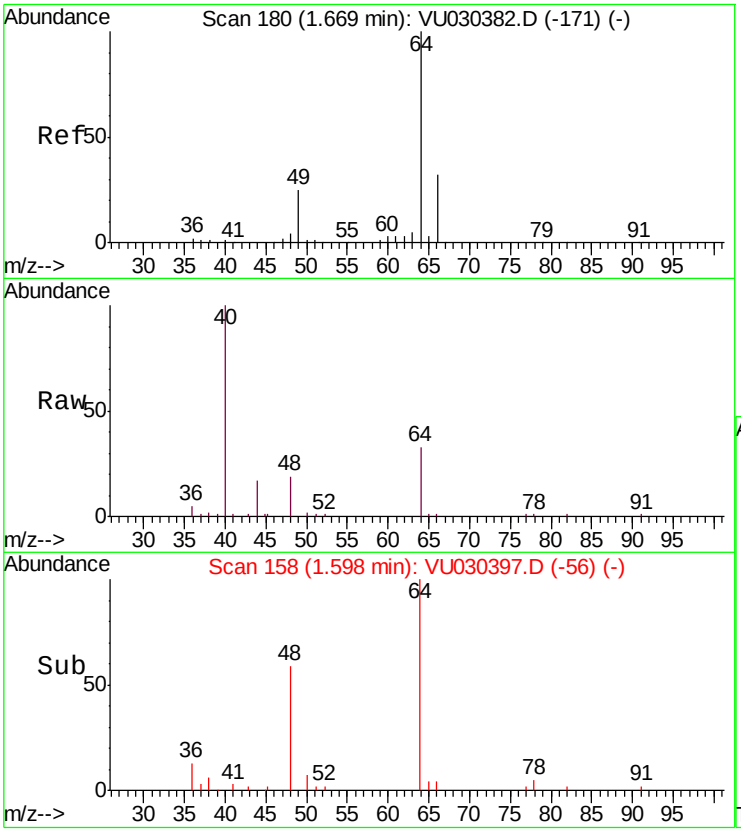
Quantitation Report (Not Reviewed)

Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Quant Time: Mar 25 05:54:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration



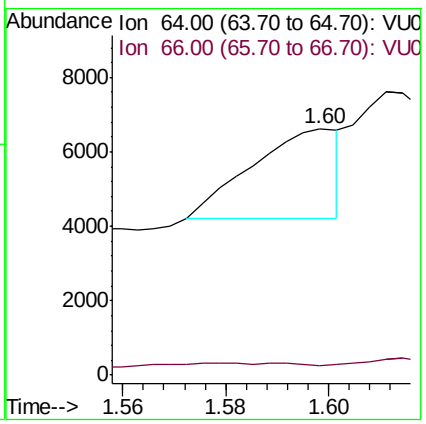


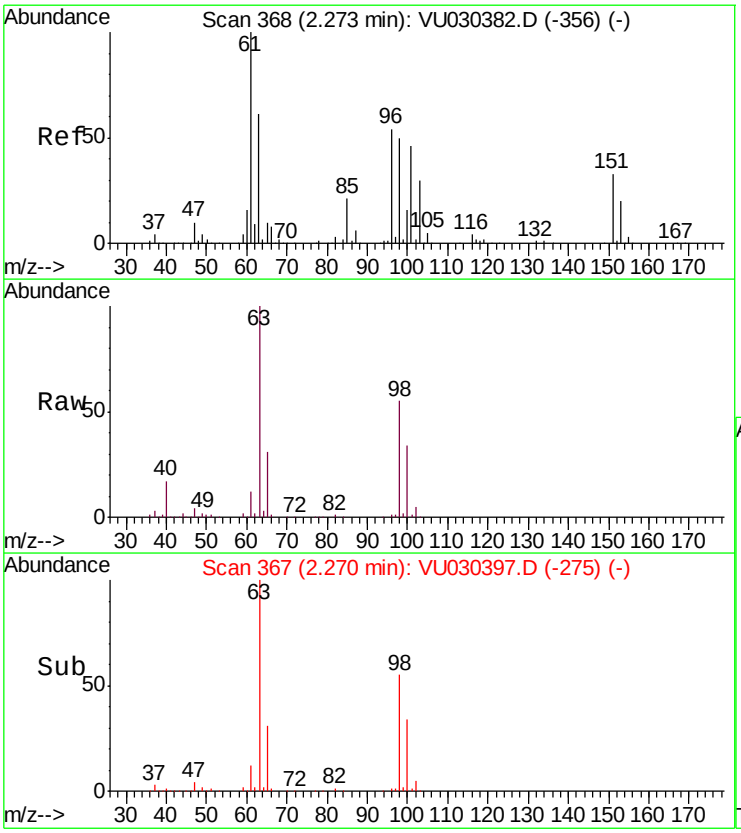
#8
Chloroethane
Concen: 0.950 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.07 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 64 Resp: 2841

Ion	Ratio	Lower	Upper
64	100		
66	4.0	22.5	41.7#

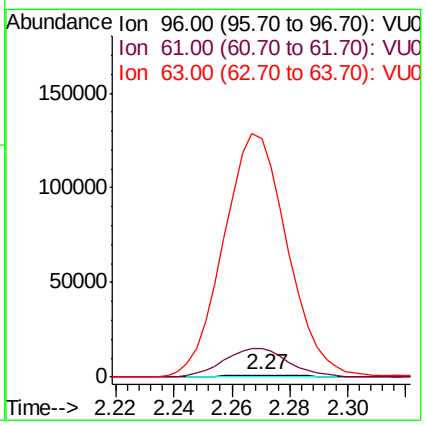


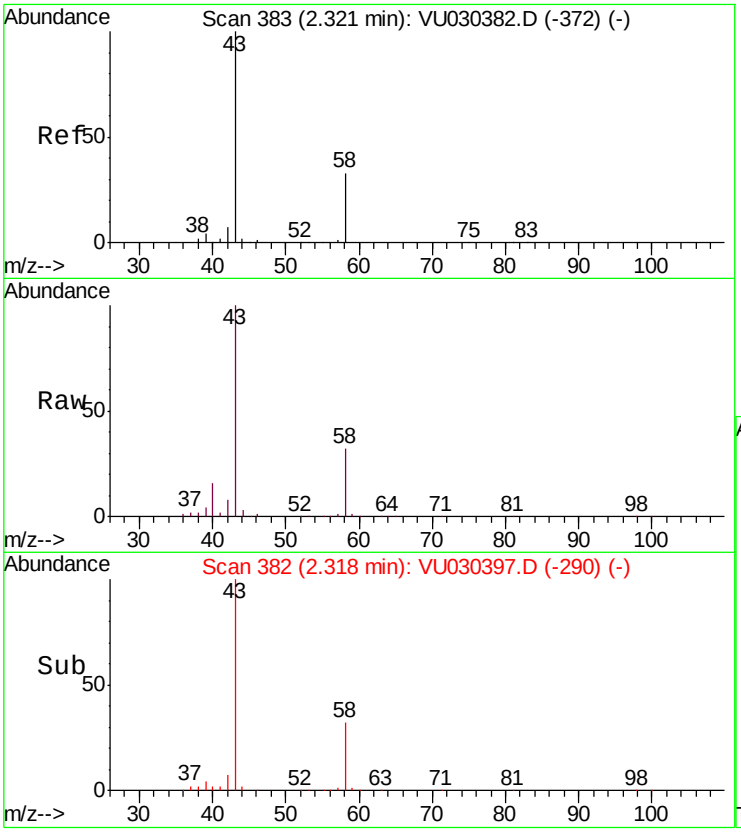


#12
1,1-Dichloroethene
Concen: 0.586 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 96 Resp: 1897

Ion	Ratio	Lower	Upper
96	100		
61	1428.6	131.0	243.4#
63	11742.5	92.4	171.6#



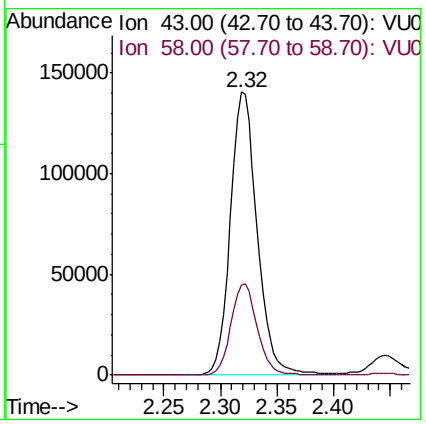


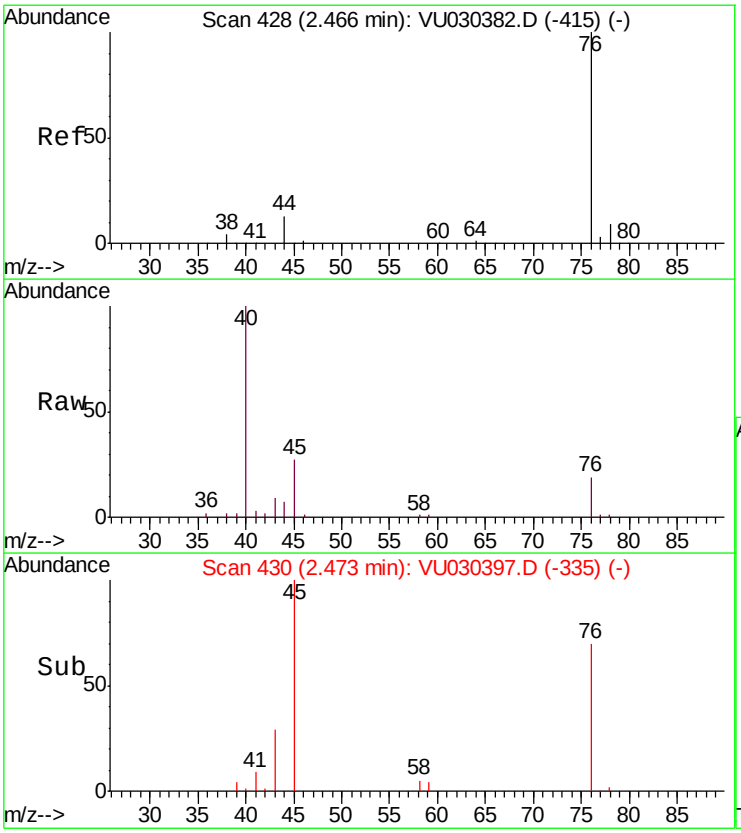
#13
Acetone
Concen: 66.773 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument : MSVOA_U
ClientSampleId : C09D7

Tgt Ion: 43 Resp: 231292

Ion	Ratio	Lower	Upper
43	100		
58	32.0	0.0	62.8

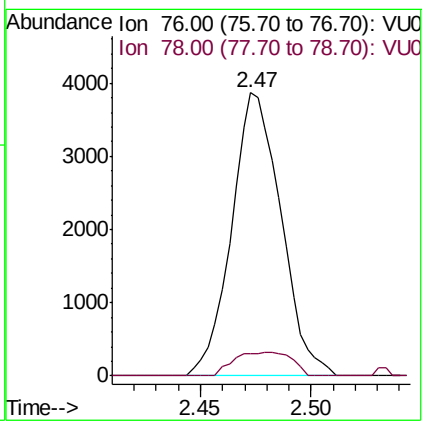


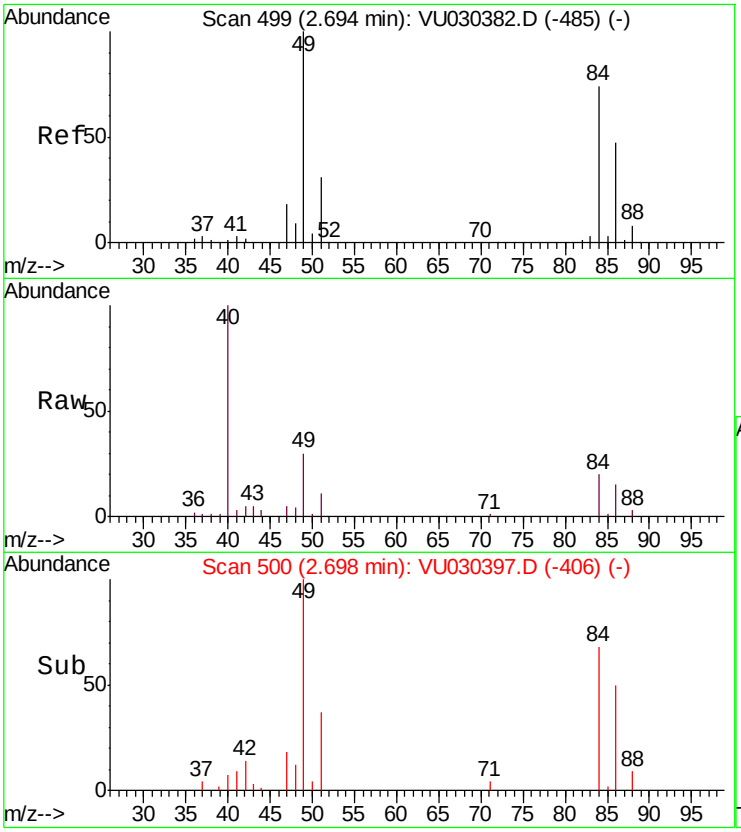


#14
Carbon disulfide
Concen: 0.562 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 76 Resp: 6019

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9



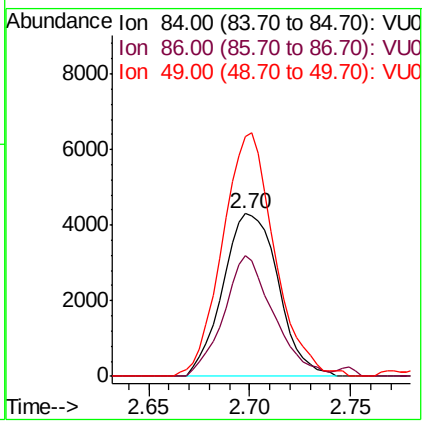


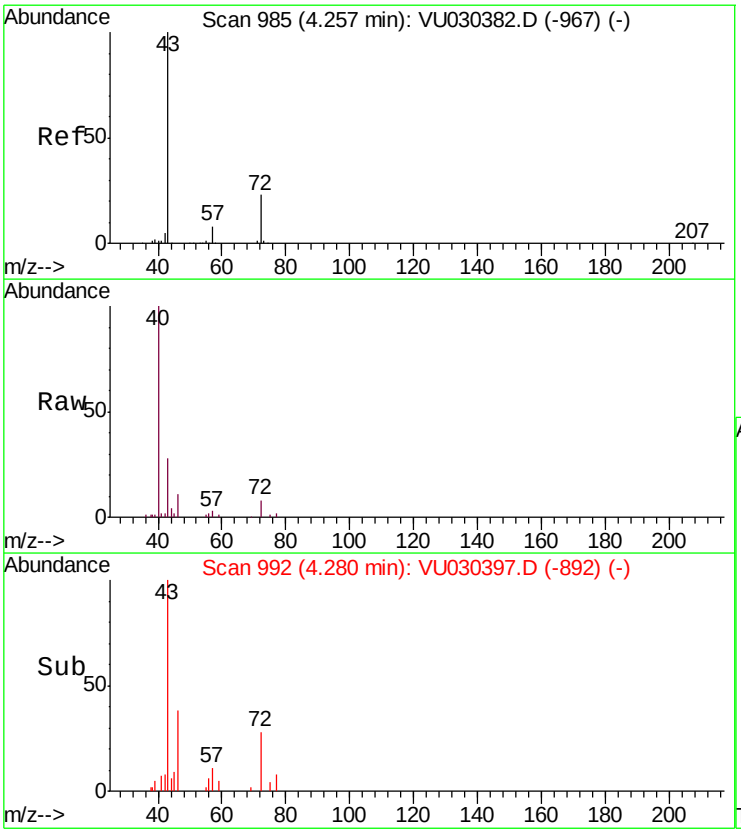
#16
Methylene chloride
Concen: 2.164 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 84 Resp: 8265

Ion	Ratio	Lower	Upper
84	100		
86	74.0	44.3	82.3
49	147.0	94.9	176.3

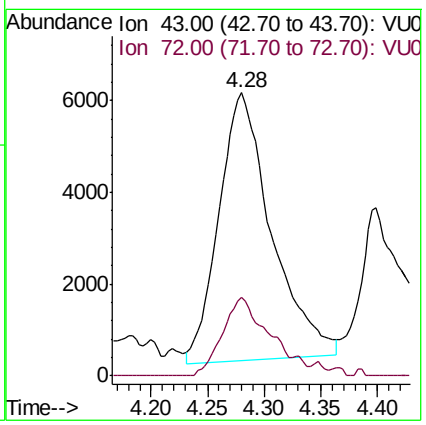


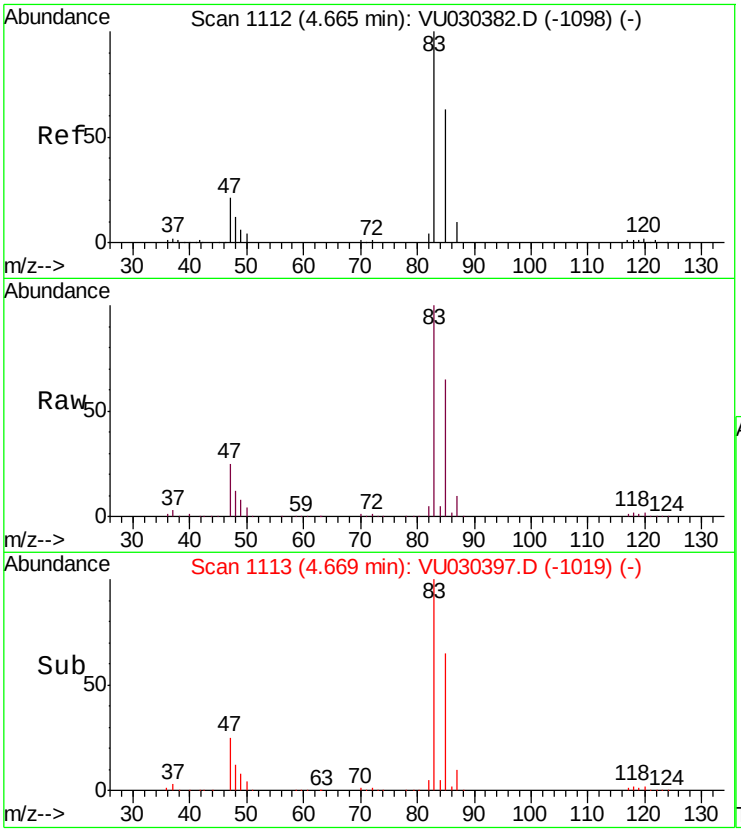


#22
2-Butanone
Concen: 4.496 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 43 Resp: 18823

Ion	Ratio	Lower	Upper
43	100		
72	21.9	12.0	36.1



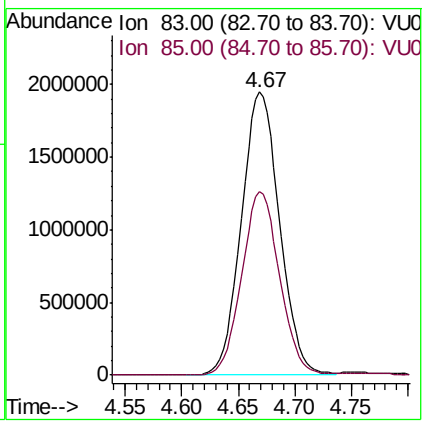


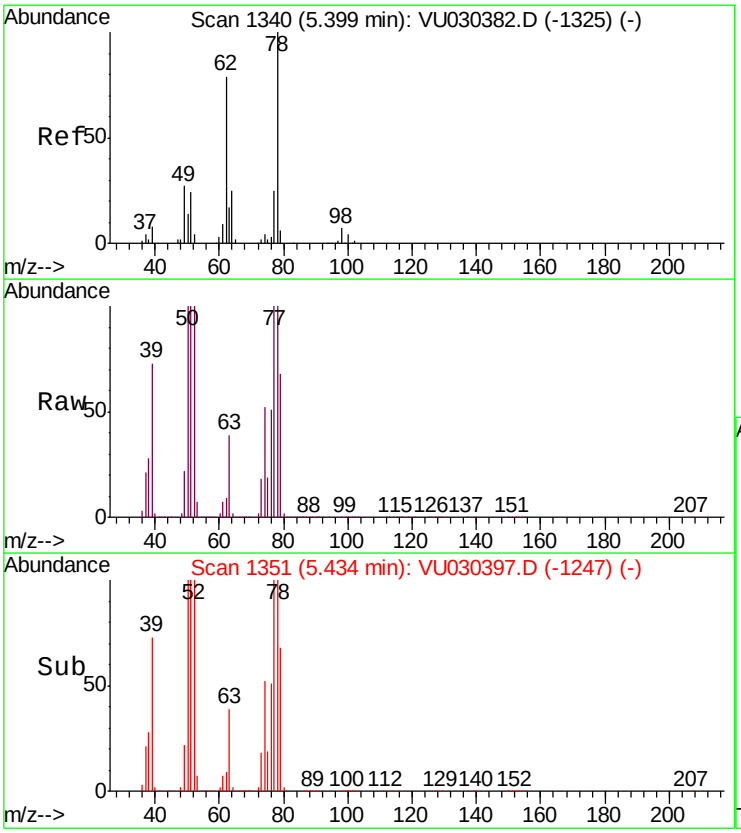
#25
Chloroform
Concen: 689.801 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 83 Resp: 4572682

Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.4	82.4

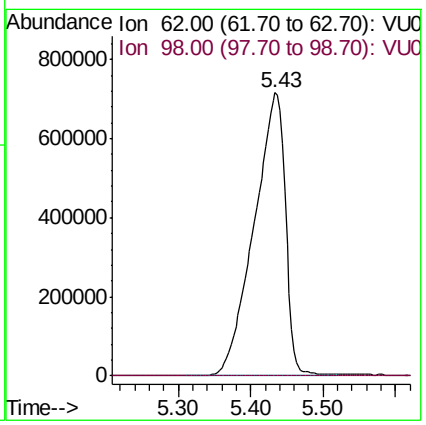


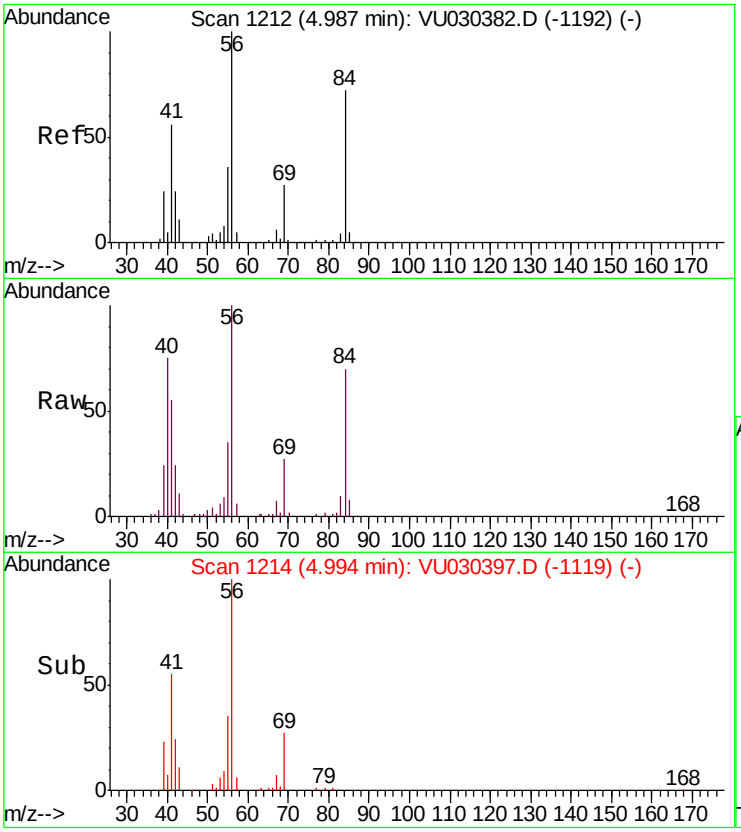


#27
1,2-Dichloroethane
Concen: 414.032 ug/L
RT: 5.43 min Scan# 1351
Delta R.T. 0.04 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 62 Resp: 2153666

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#



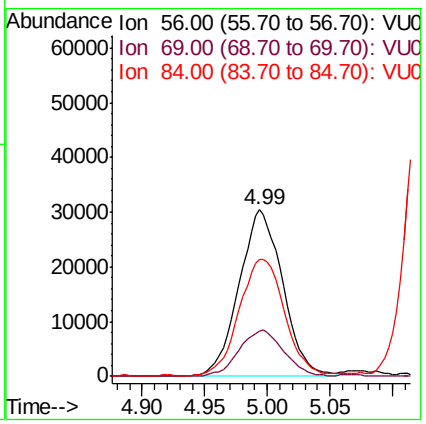


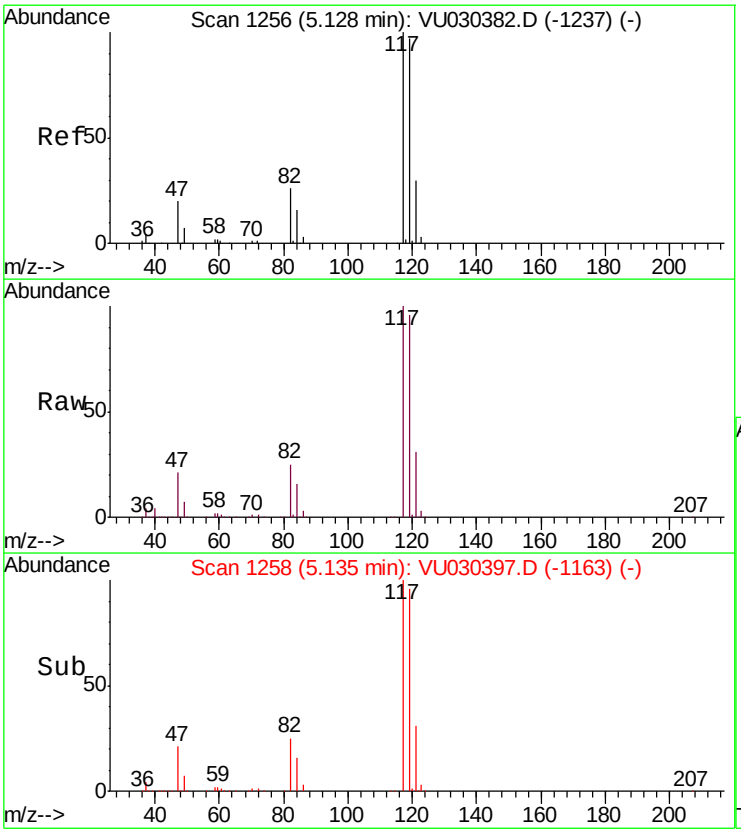
#29
Cyclohexane
Concen: 9.941 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 56 Resp: 73733

Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.9	34.3
84	72.0	58.9	88.3

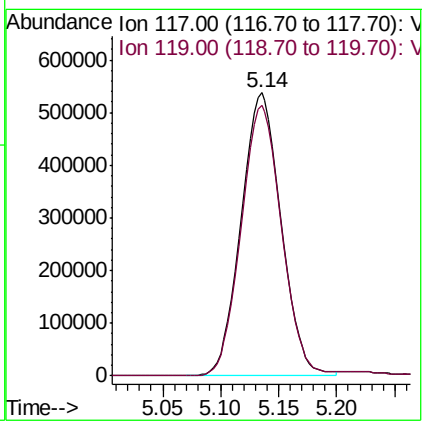


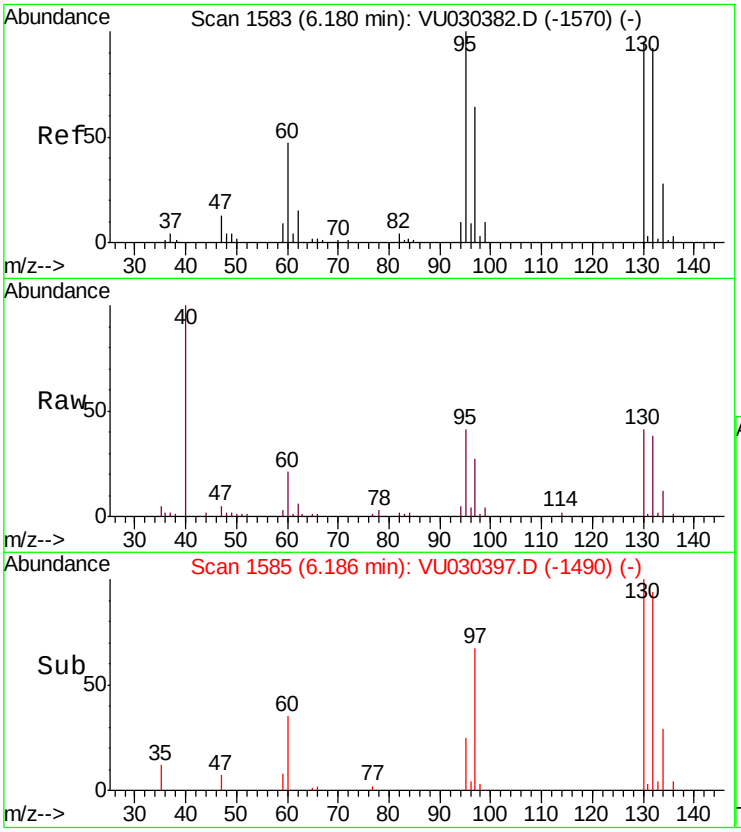


#31
Carbon tetrachloride
Concen: 254.519 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion:117 Resp: 1294661

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.4	113.2



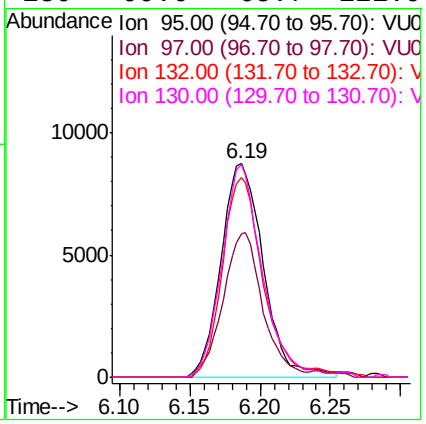


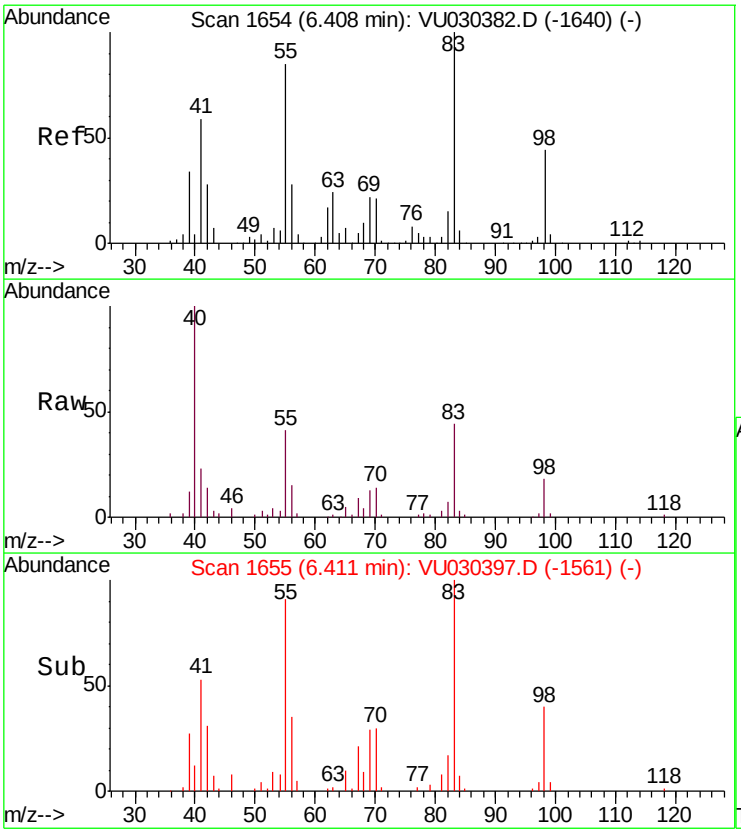
#34
Trichloroethene
Concen: 4.465 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 95 Resp: 18314

Ion	Ratio	Lower	Upper
95	100		
97	67.2	45.7	84.9
132	93.4	63.8	118.4
130	99.6	65.7	121.9

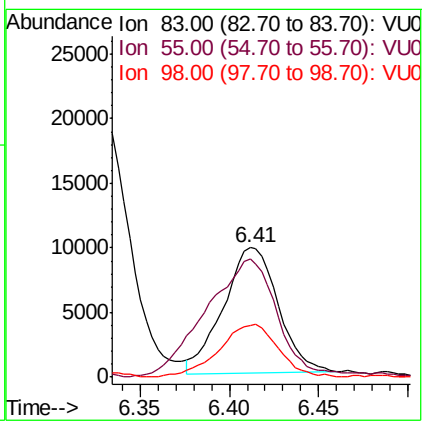


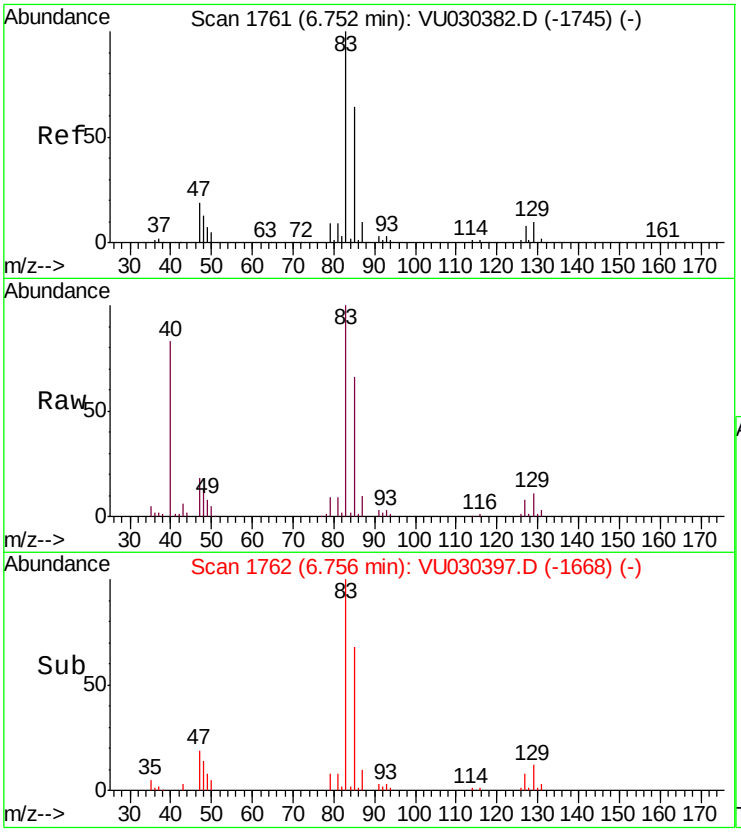


#35
Methylcyclohexane
Concen: 3.057 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 83 Resp: 20630

Ion	Ratio	Lower	Upper
83	100		
55	123.2	71.4	107.0#
98	45.3	36.0	54.0



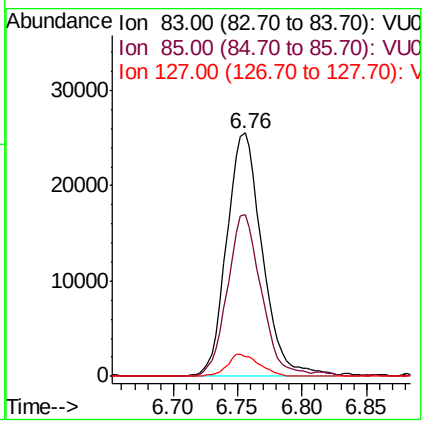


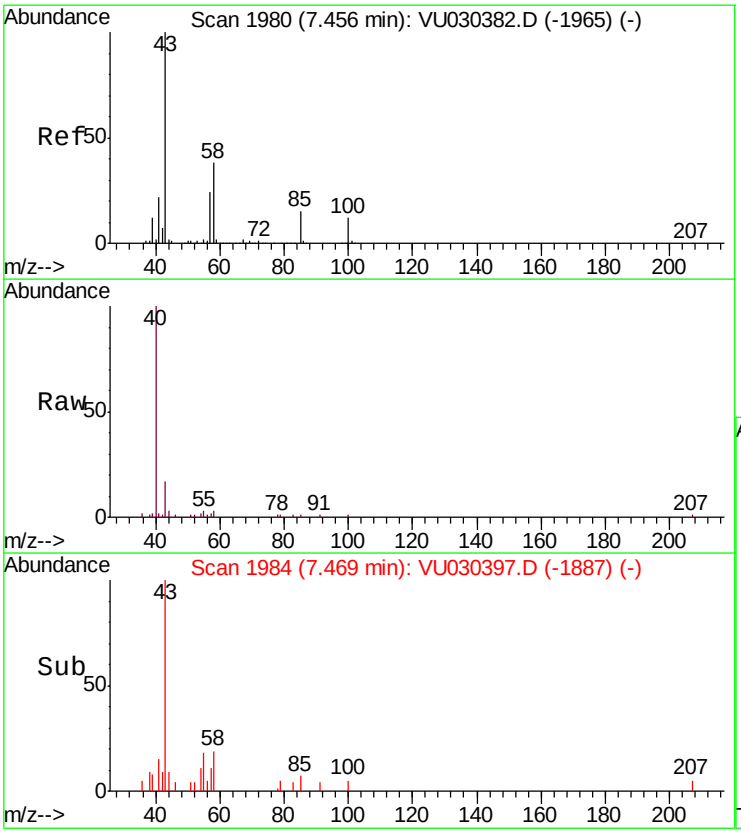
#38
Bromodichloromethane
Concen: 8.712 ug/L
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 83 Resp: 49014

Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.0	83.6
127	8.3	6.6	10.0

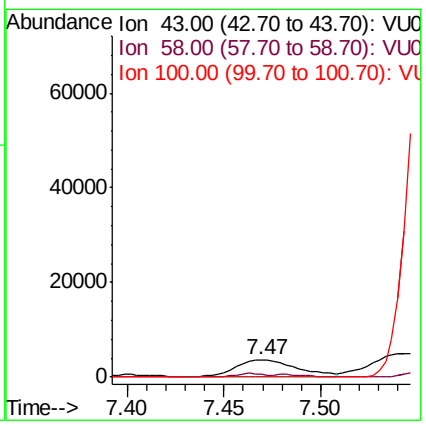


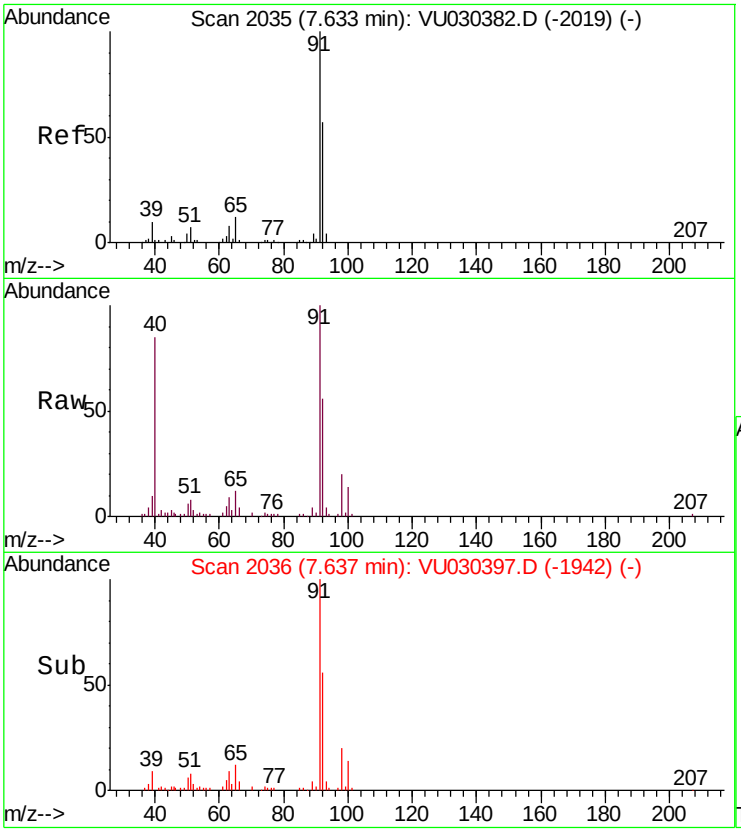


#40
4-Methyl-2-pentanone
Concen: 1.016 ug/L
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 43 Resp: 8084

Ion	Ratio	Lower	Upper
43	100		
58	9.9	30.6	45.8#
100	1.8	9.5	14.3#



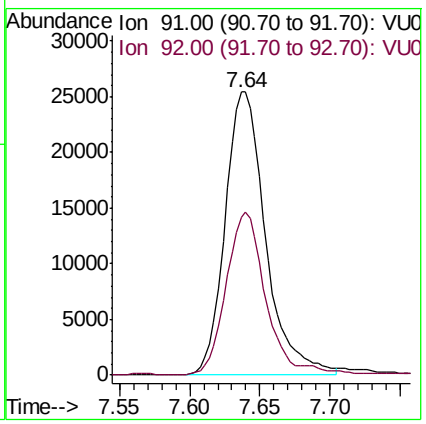


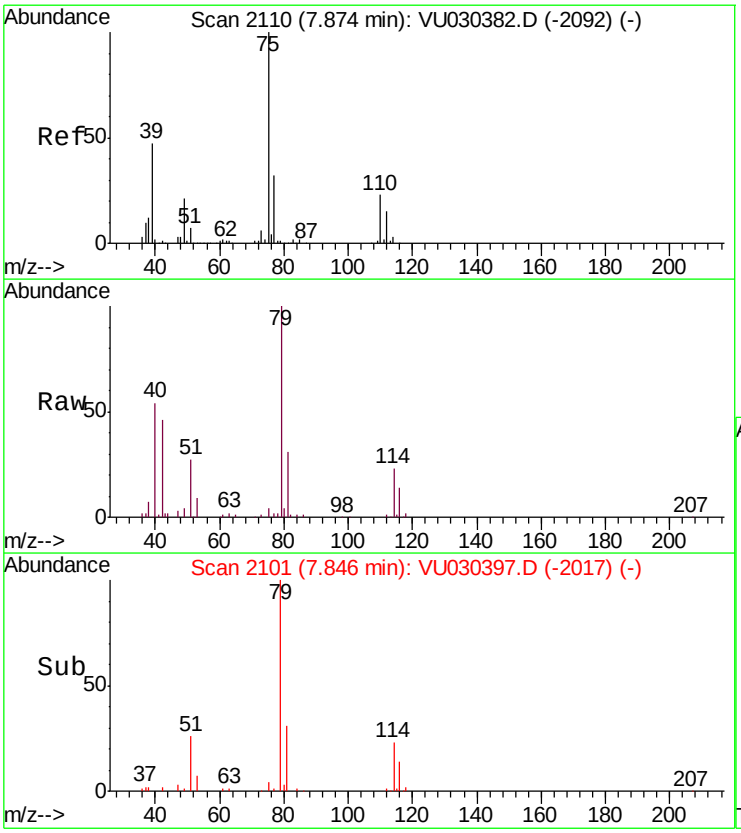
#42
Toluene
Concen: 2.955 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion: 91 Resp: 51162

Ion	Ratio	Lower	Upper
91	100		
92	55.8	39.7	73.7

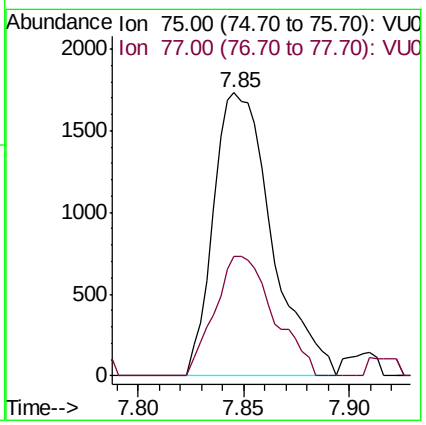


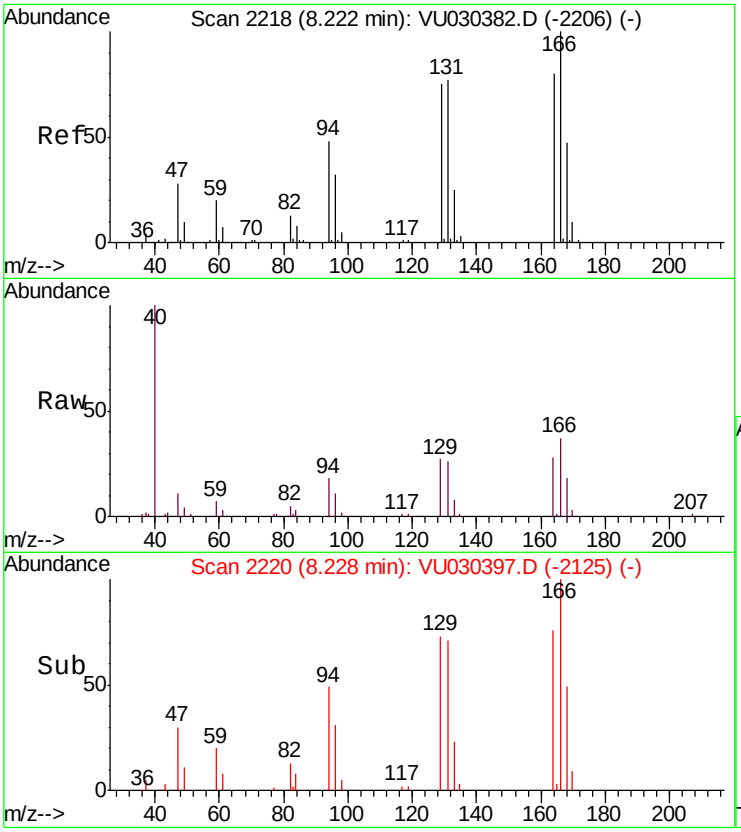


#44
trans-1,3-Dichloropropene
Concen: 0.555 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 75 Resp: 3322

Ion	Ratio	Lower	Upper
75	100		
77	42.4	22.0	40.8#



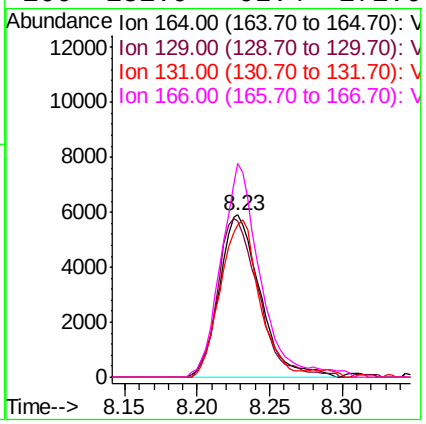


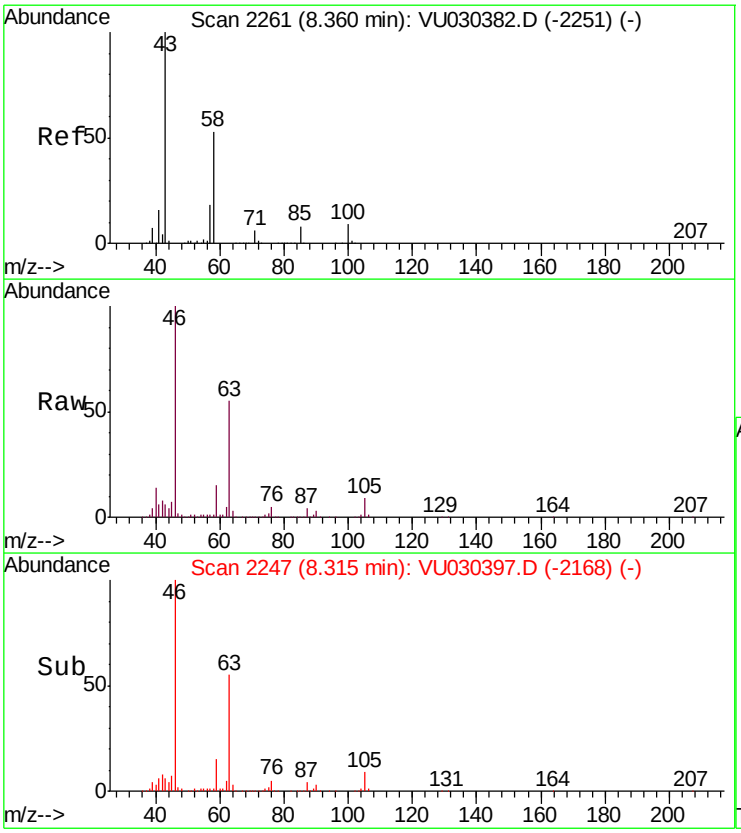
#46
Tetrachloroethene
Concen: 4.052 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Tgt Ion:164 Resp: 11607

Ion	Ratio	Lower	Upper
164	100		
129	96.3	68.1	126.5
131	94.2	67.7	125.7
166	131.9	92.4	171.6

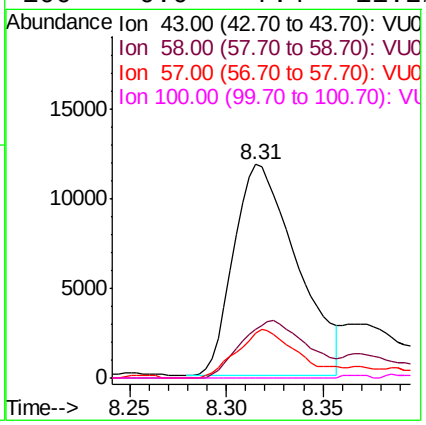


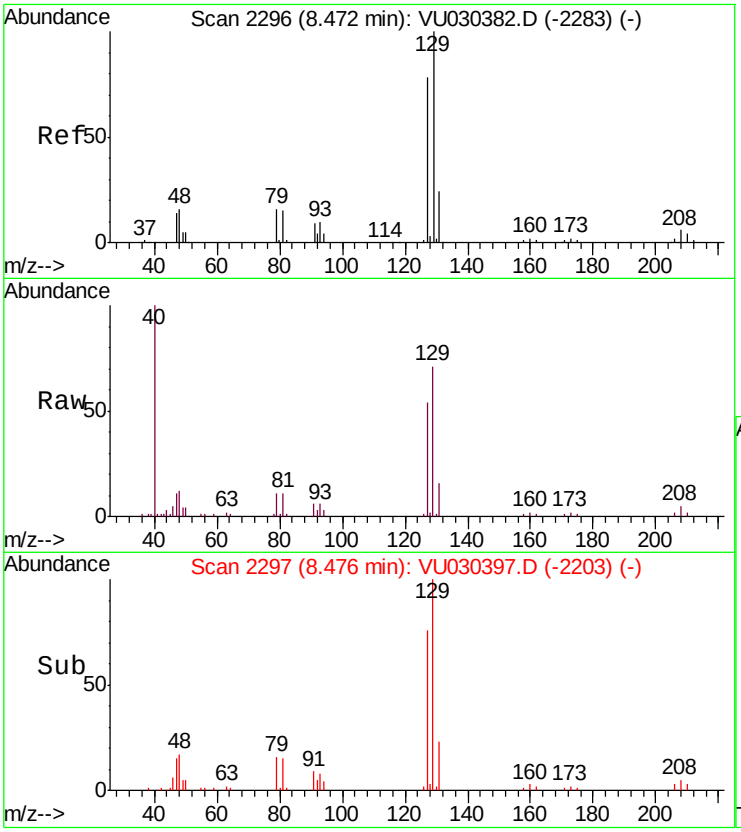


#48
2-Hexanone
Concen: 4.099 ug/L
RT: 8.31 min Scan# 2247
Delta R.T. -0.04 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 43 Resp: 26716

Ion	Ratio	Lower	Upper
43	100		
58	28.8	42.5	63.7#
57	21.0	15.0	22.6
100	0.0	7.4	11.2#



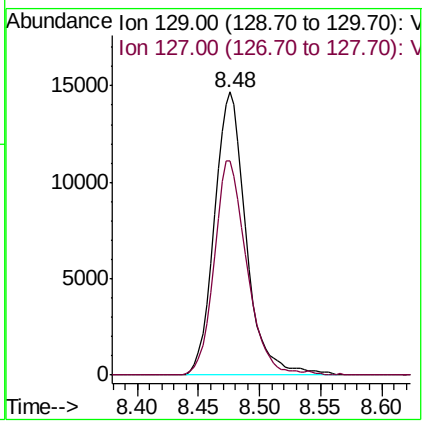


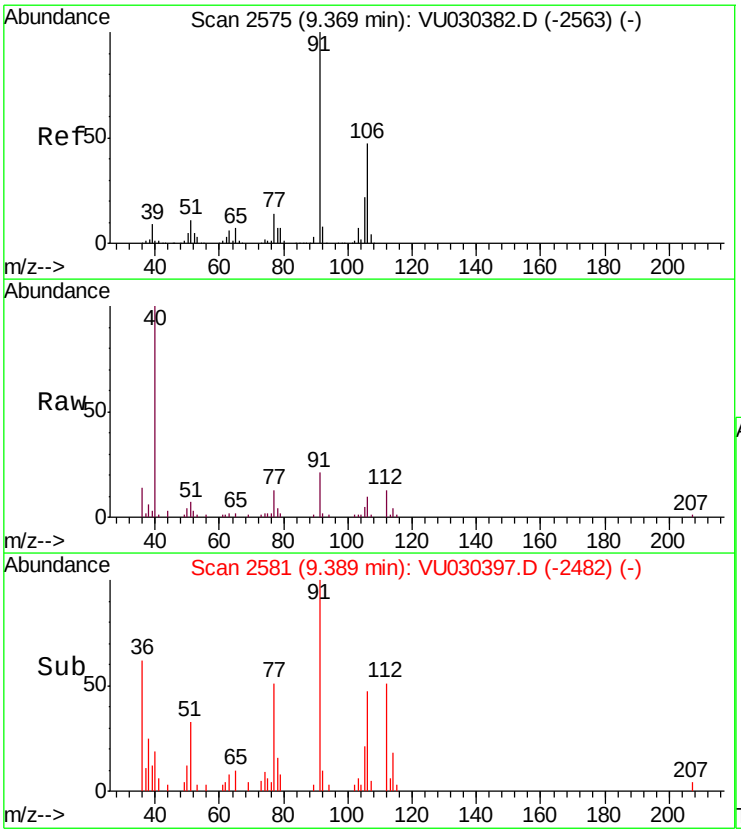
#49
Dibromochloromethane
Concen: 6.464 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument : MSVOA_U
ClientSampleId : C09D7

Tgt Ion:129 Resp: 26869

Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.2	98.8

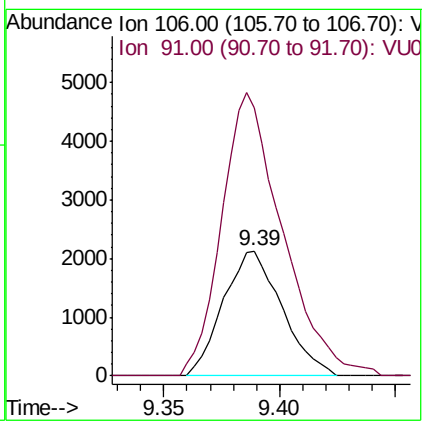


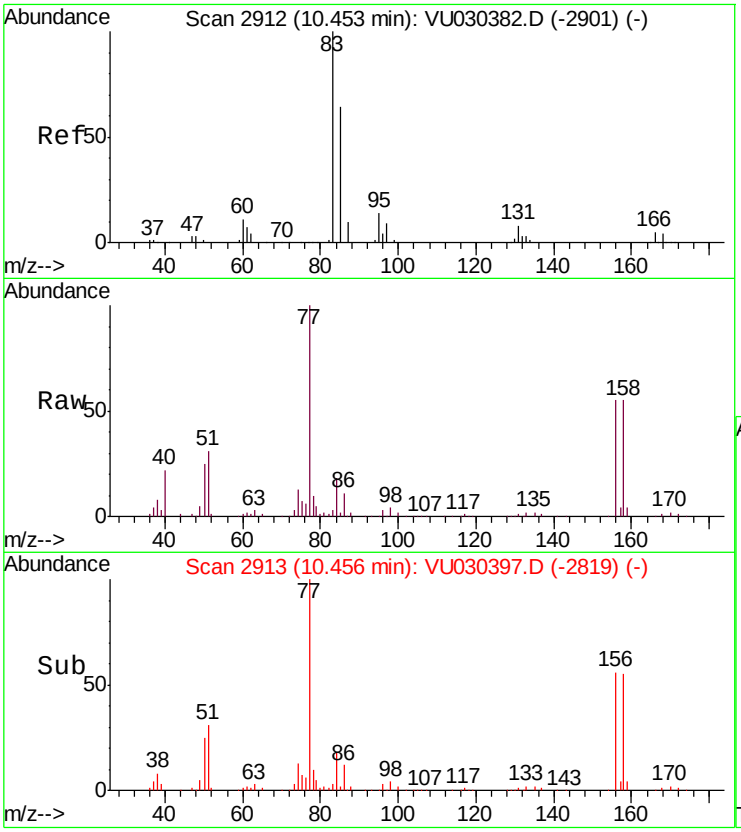


#53
m,p-Xylene
Concen: 0.552 ug/L
RT: 9.39 min Scan# 2581
Delta R.T. 0.02 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion:106 Resp: 3738

Ion	Ratio	Lower	Upper
106	100		
91	214.6	151.2	280.8



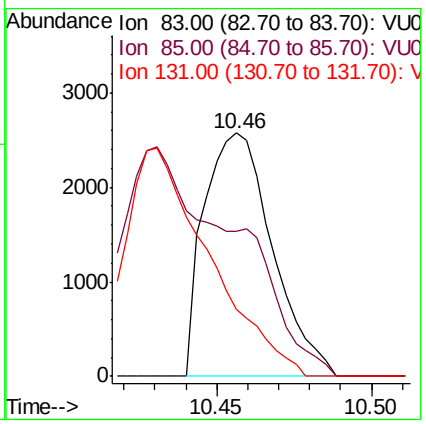


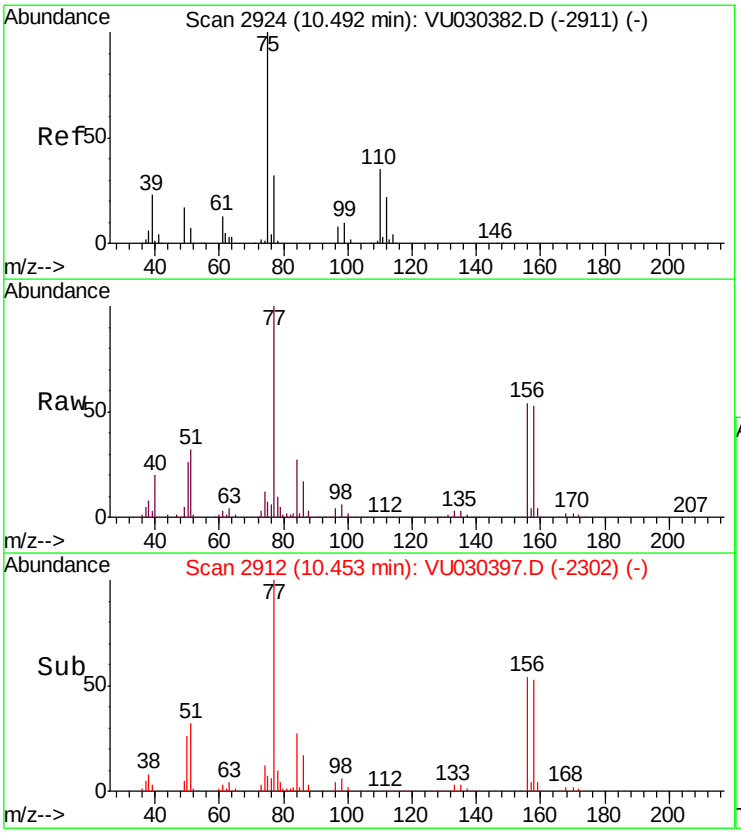
#58
1,1,2,2-Tetrachloroethane
Concen: 0.536 ug/L
RT: 10.46 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument : MSVOA_U
ClientSampleId : C09D7

Tgt Ion: 83 Resp: 3954

Ion	Ratio	Lower	Upper
83	100		
85	59.7	44.3	82.3
131	27.6	6.7	10.1#

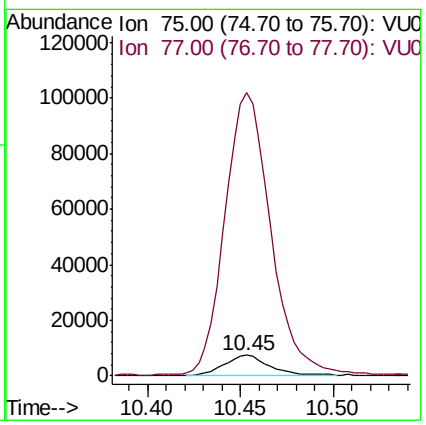


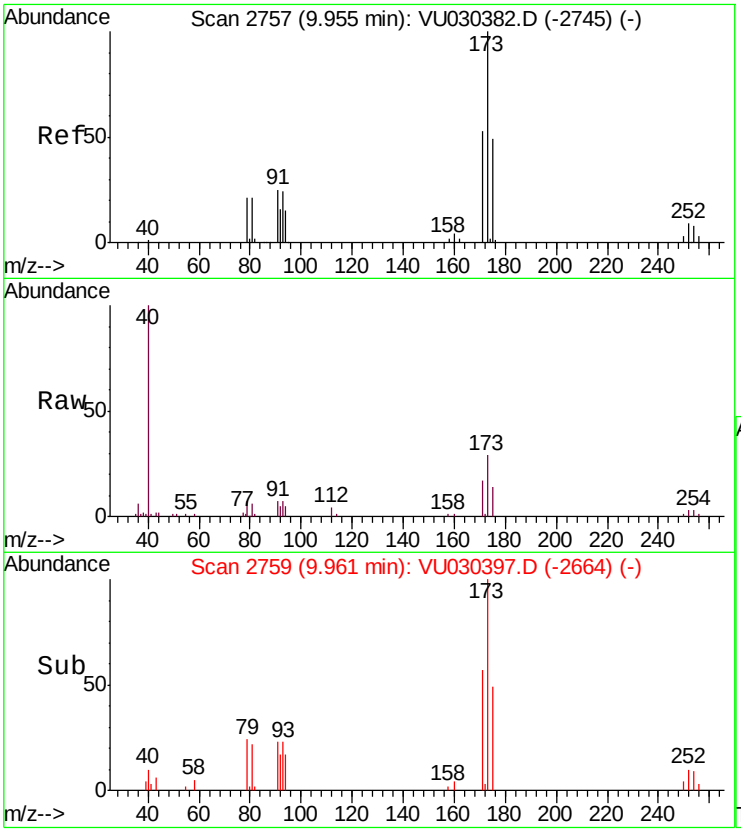


#59
1,2,3-Trichloropropane
Concen: 2.230 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.04 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion: 75 Resp: 12851

Ion	Ratio	Lower	Upper
75	100		
77	1360.2	25.4	38.2#



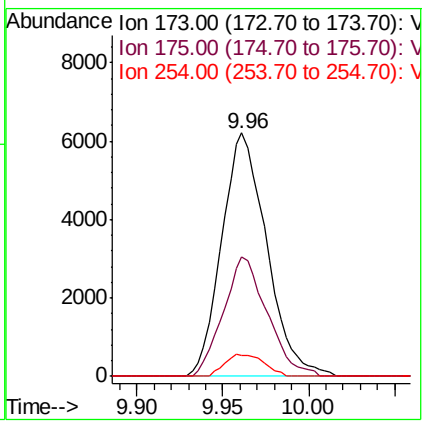


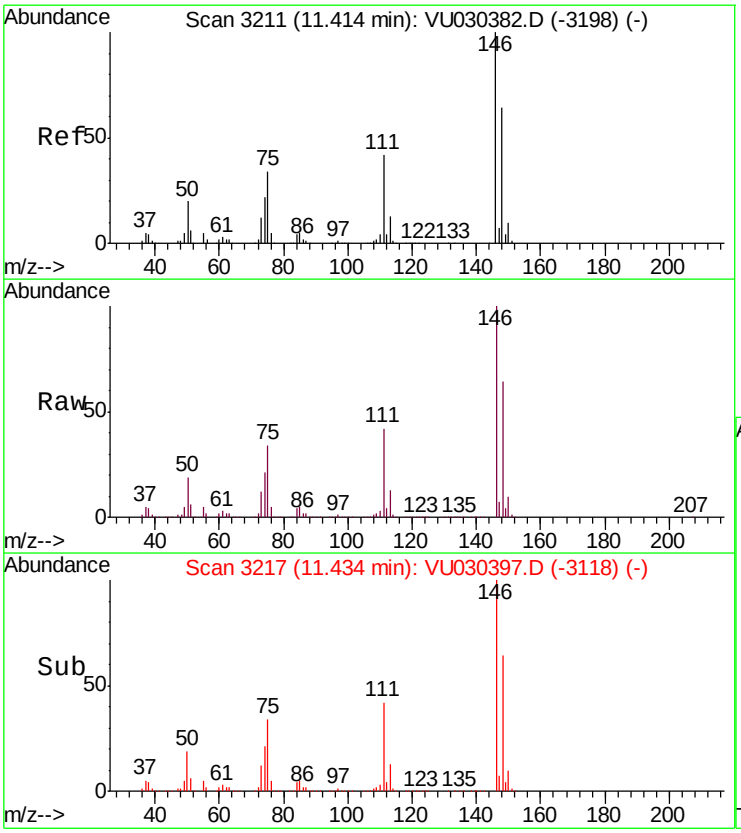
#61
Bromoform
Concen: 386.419 ug/L
RT: 9.96 min Scan# 2759
Delta R.T. 0.01 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument : MSVOA_U
ClientSampleId : C09D7

Tgt Ion:173 Resp: 11308

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.5	57.7
254	7.8	6.8	10.2

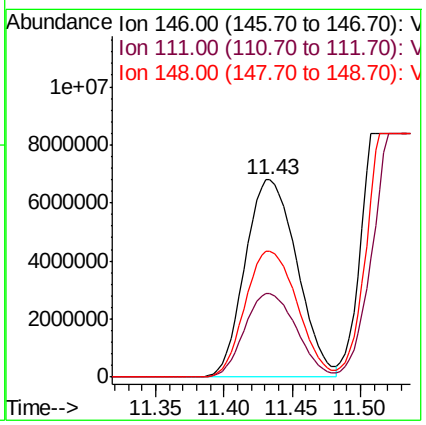


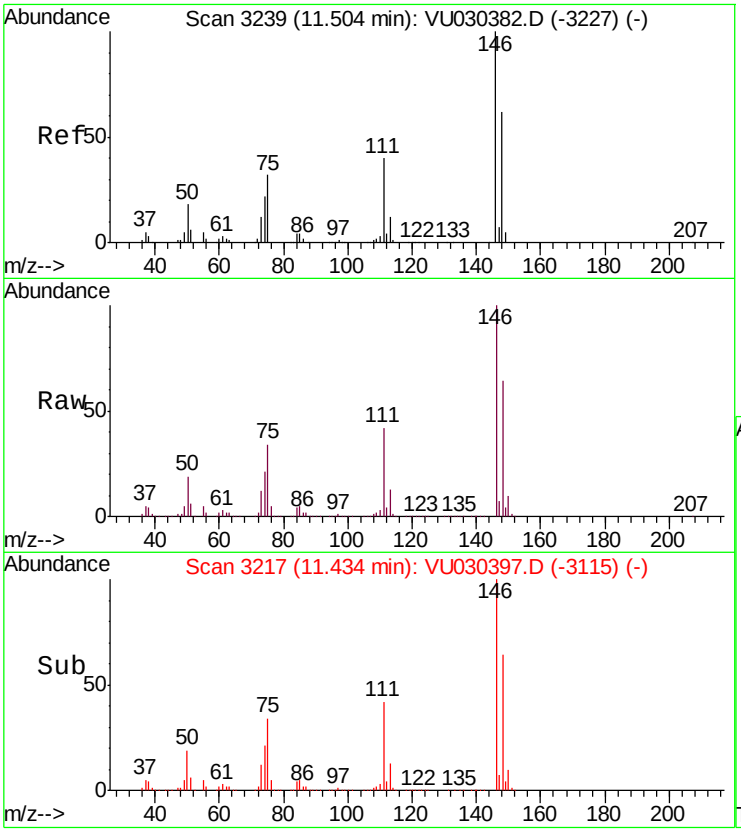


#62
1,3-Dichlorobenzene
Concen: 249567.196 ug/L
RT: 11.43 min Scan# 3217
Delta R.T. 0.02 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion:146 Resp:17963510

Ion	Ratio	Lower	Upper
146	100		
111	42.1	29.2	54.2
148	64.0	44.4	82.4



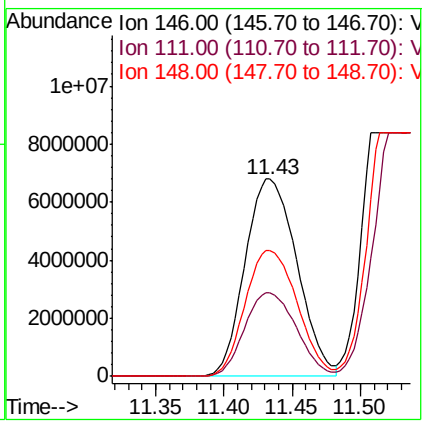


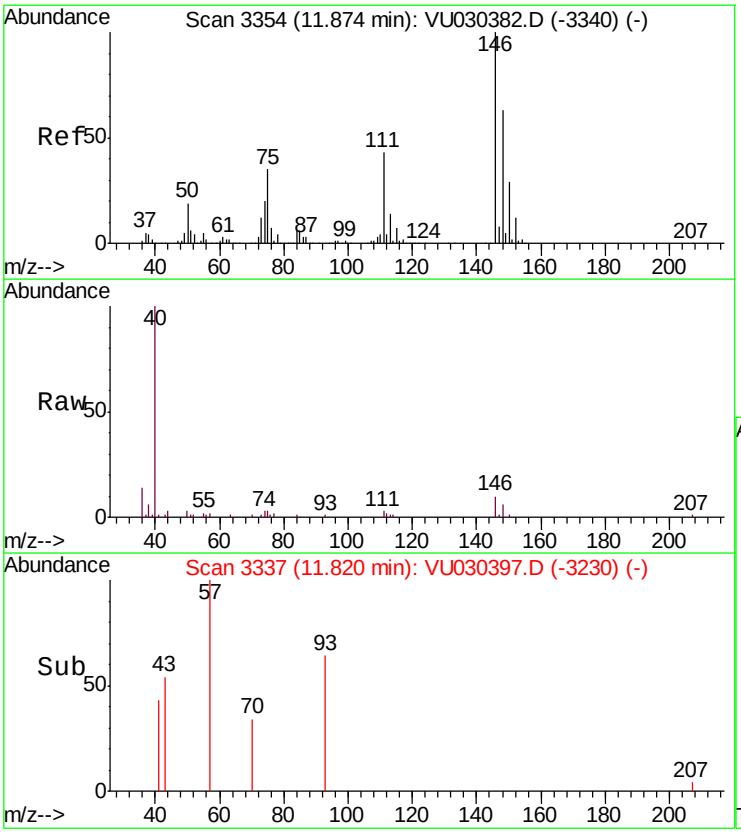
#63
1,4-Dichlorobenzene
Concen: 242422.060 ug/L
RT: 11.43 min Scan# 3217
Delta R.T. -0.07 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument : MSVOA_U
ClientSampleId : C09D7

Tgt Ion:146 Resp:17963510

Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.7	53.3
148	64.0	44.3	82.3

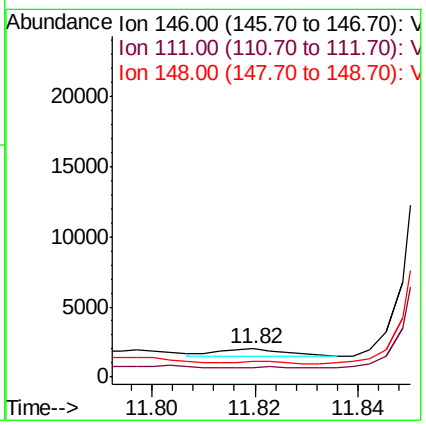


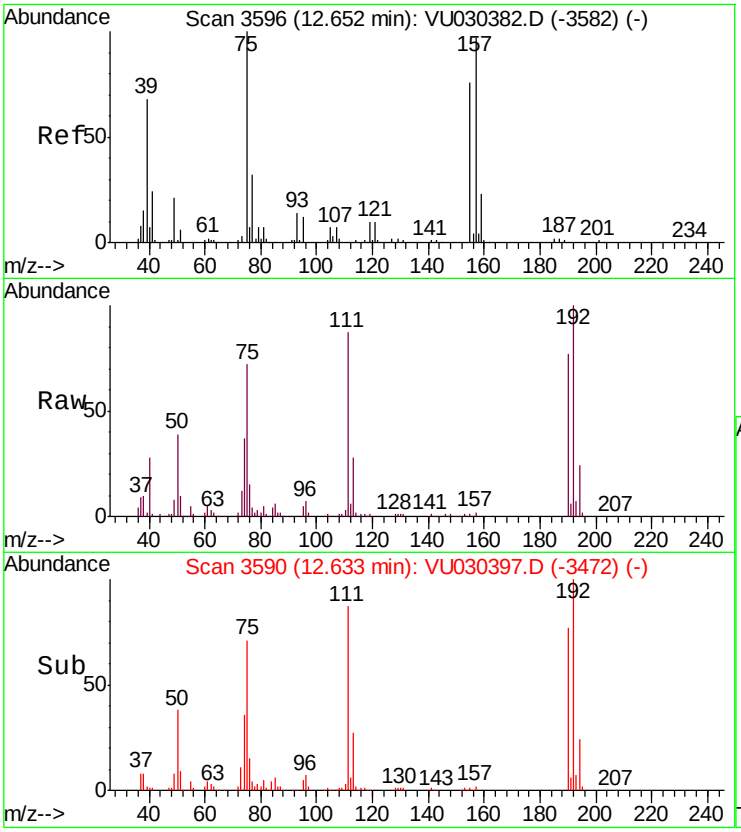


#65
1,2-Dichlorobenzene
Concen: 6.966 ug/L
RT: 11.82 min Scan# 3337
Delta R.T. -0.05 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion:146 Resp: 507

Ion	Ratio	Lower	Upper
146	100		
111	33.8	34.9	52.3#
148	57.0	51.2	76.8



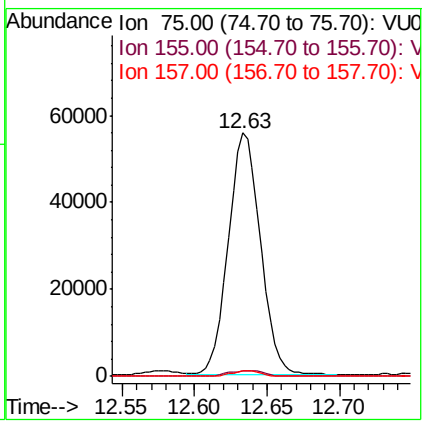


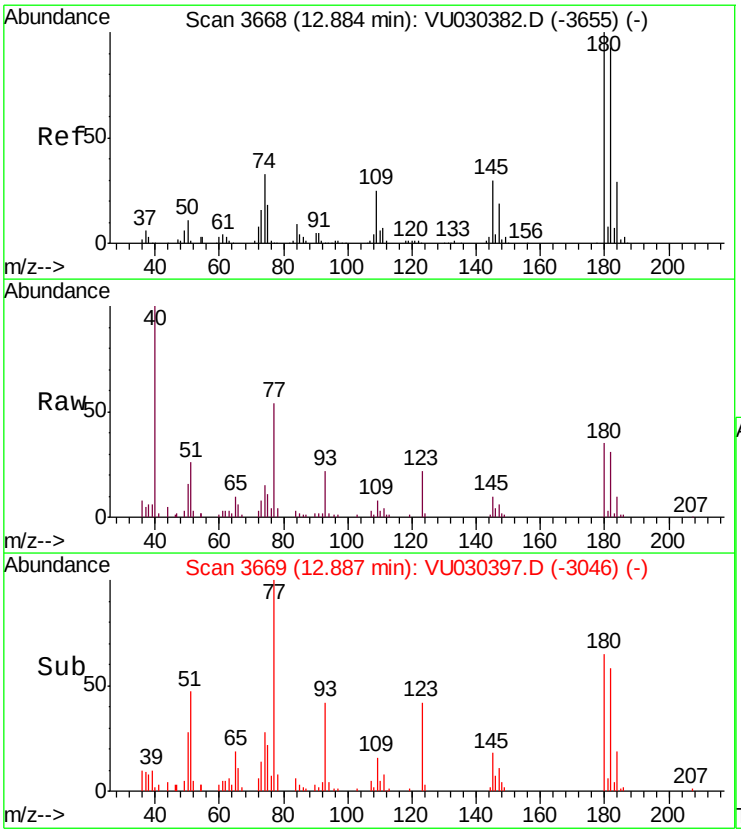
#66
1,2-Dibromo-3-chloropropane
Concen: 5317.273 ug/L
RT: 12.63 min Scan# 3590
Delta R.T. -0.02 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Instrument : MSVOA_U
ClientSampleId : C09D7

Tgt Ion: 75 Resp: 86171

Ion	Ratio	Lower	Upper
75	100		
155	2.1	61.8	92.6#
157	2.2	80.2	120.4#





#67
1,3,5-Trichlorobenzene
Concen: 218.873 ug/L
RT: 12.89 min Scan# 3669
Delta R.T. 0.00 min
Lab File: VU030397.D
Acq: 25 Mar 2019 04:25

Tgt Ion:180 Resp: 11794

Ion	Ratio	Lower	Upper
180	100		
182	90.2	75.9	113.9
184	29.4	24.1	36.1
145	29.3	23.8	35.8