Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\

Quantitation Report (Not Reviewed)

Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

Quant Time: Mar 24 02:13:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	449347	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	441815	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	235930	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	146075	40.39	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 80.78%			
7) Chloroethane-d5	1.68	69	124642	43.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.96%			
11) 1,1-Dichloroethene-d2	2.27	63	213413	31.11	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 62.22%			
21) 2-Butanone-d5	4.17	46	294375	86.59	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 86.59%			
24) Chloroform-d	4.65	84	261930	42.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.08%			
26) 1,2-Dichloroethane-d4	5.31	65	180325	44.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.46%			
32) Benzene-d6	5.34	84	560392	44.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.46%			
36) 1,2-Dichloropropane-d6	6.33	67	194279	44.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 89.64%			
41) Toluene-d8	7.57	98	535714	47.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.16%			
43) trans-1,3-Dichloropropene-	7.85	79	94156	46.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.38%			
47) 2-Hexanone-d5	8.31	63	226431	96.39	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.39%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	283308	45.67	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.34%			
64) 1,2-Dichlorobenzene-d4	11.86	152	212932	45.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.08%			

Target Compounds						Qvalue
6) Bromomethane	1.63	94	12345	5.118	ug/L	99
8) Chloroethane	1.59	64	7949	2.678	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8805	2.685	ug/L #	86
13) Acetone	2.31	43	166166	48.334	ug/L	69
18) Methyl tert-butyl Ether	3.00	73	472751	42.384	ug/L #	1
22) 2-Butanone	4.27	43	39930	9.609	ug/L	91
27) 1,2-Dichloroethane	5.40	62	676341	131.005	ug/L #	86
29) Cyclohexane	4.99	56	1922126	287.484	ug/L	97
35) Methylcyclohexane	6.41	83	1169346	192.197	ug/L	92
37) 1,2-Dichloropropane	6.41	63	11822	2.770	ug/L #	91
40) 4-Methyl-2-pentanone	7.47	43	30824	4.300	ug/L #	77
44) trans-1,3-Dichloropropene	7.85	75	4906	0.909	ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	65102	18.052	ug/L #	19
46) Tetrachloroethene	8.23	164	1140	0.441	ug/L #	79
48) 2-Hexanone	8.36	43	135198	23.009	ug/L #	85
50) 1,2-Dibromoethane	8.58	107	716454	185.114	ug/L	100
55) Styrene	9.80	104	1692167	164.901	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\

Quantitation Report (Not Reviewed)

Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

Quant Time: Mar 24 02:13:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) Isopropylbenzene	10.16	105	1468116	93.074	ug/L		100
66) 1,2-Dibromo-3-chloropropan	12.64	75	9239	5.319	ug/L	#	5
68) 1,2,4-trichlorobenzene	13.50	180	3058	0.609	ug/L	#	1
69) Naphthalene	13.74	128	11271993	631.640	ug/L		99

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

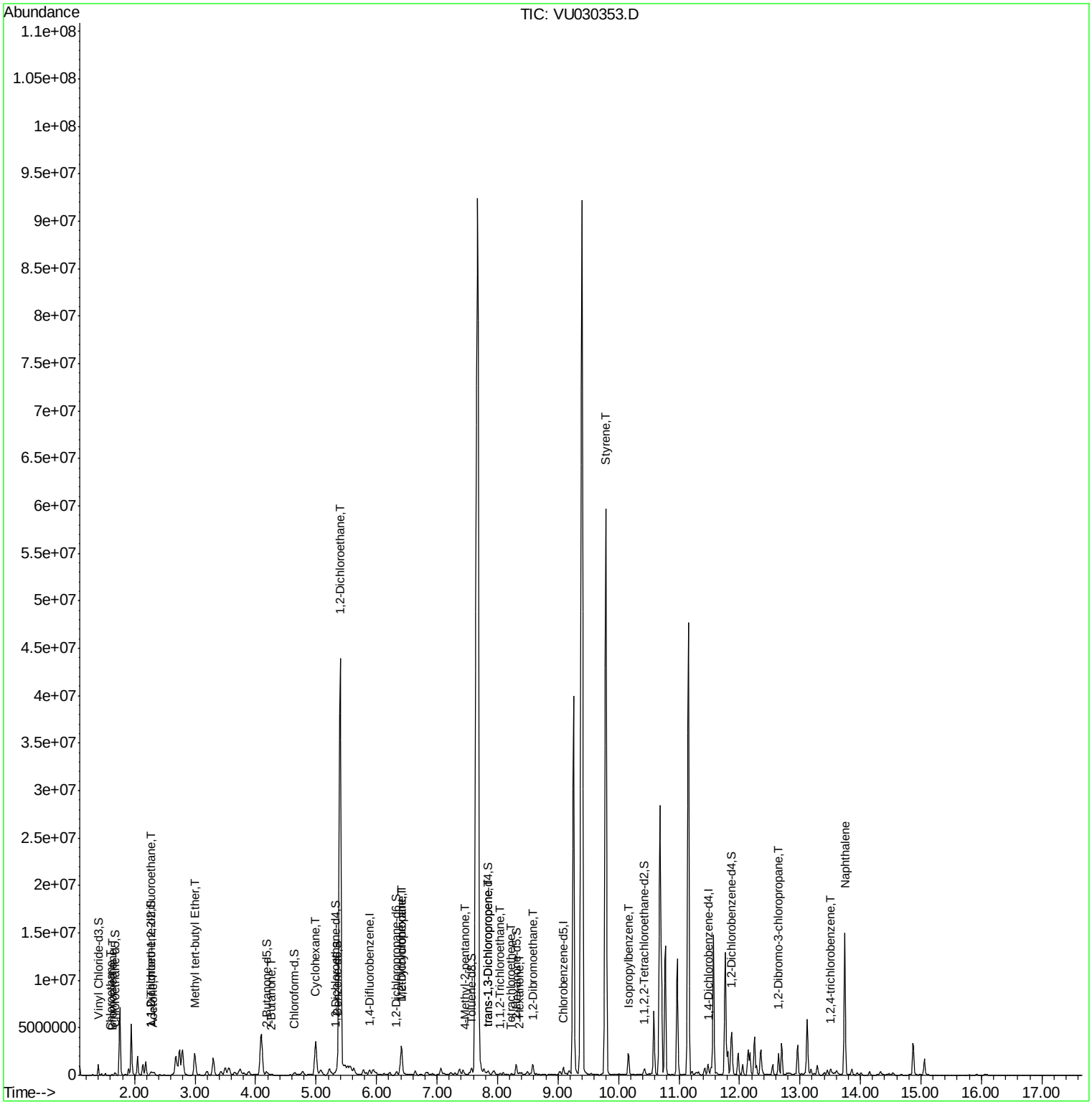
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\

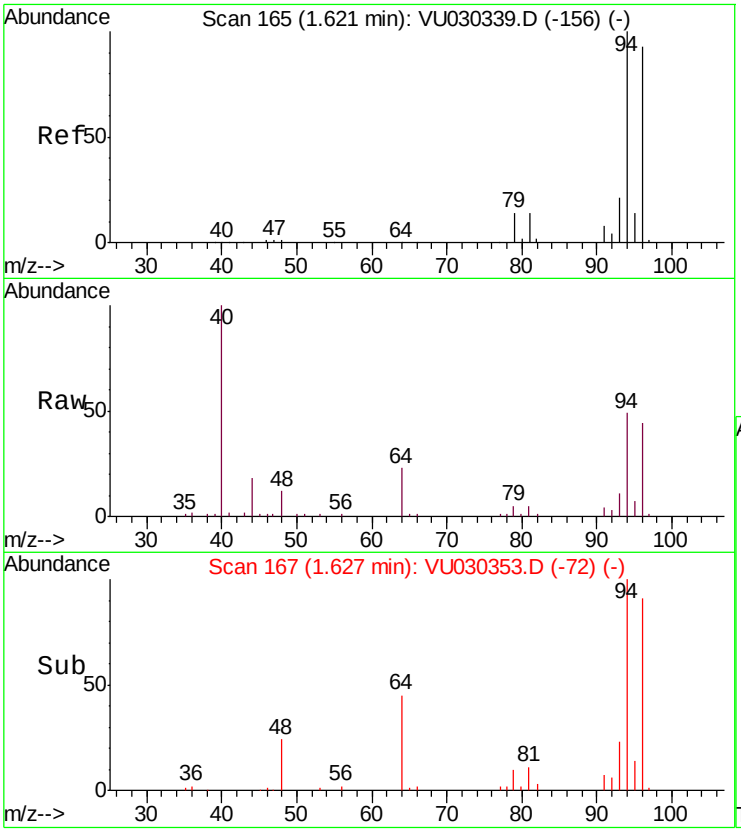
Quantitation Report (Not Reviewed)

Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Quant Time: Mar 24 02:13:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration



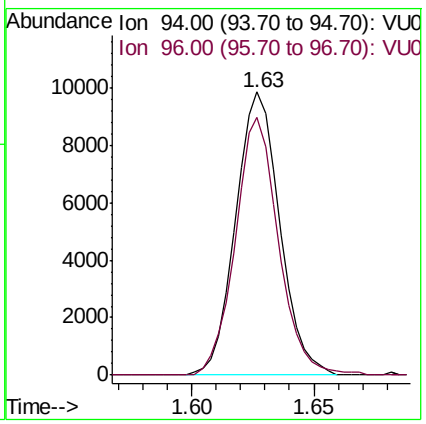


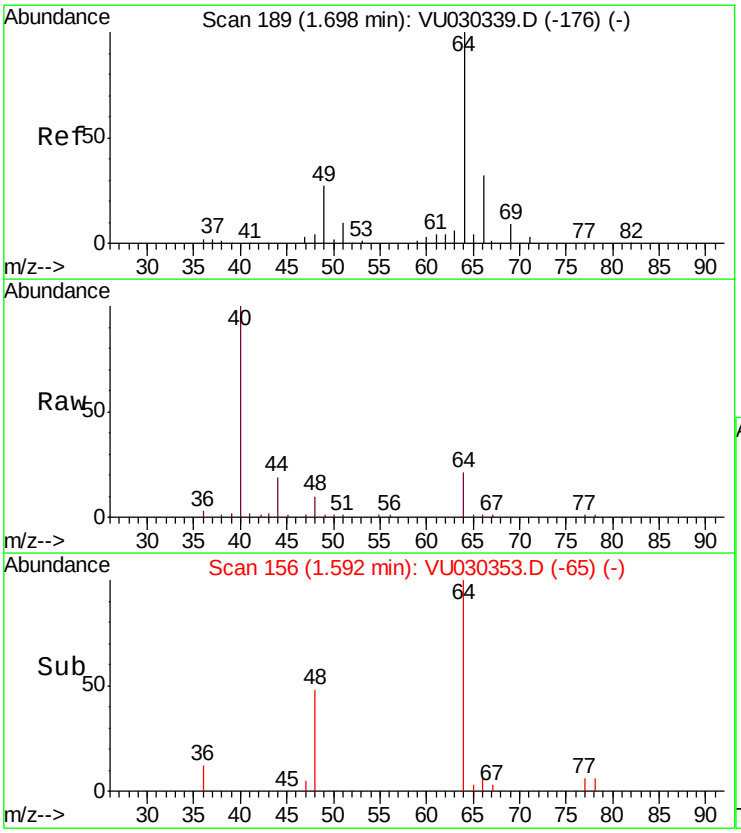
#6
Bromomethane
Concen: 5.118 ug/L
RT: 1.63 min Scan# 167
Delta R.T. 0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion: 94 Resp: 12345

Ion	Ratio	Lower	Upper
94	100		
96	91.3	64.8	120.3

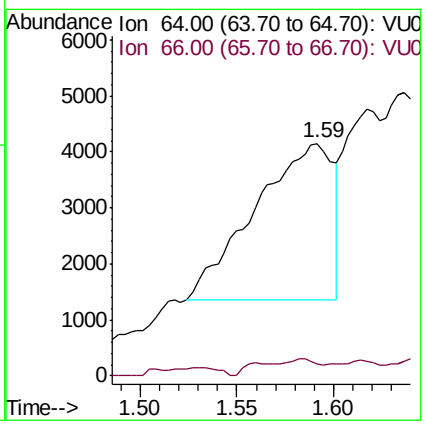


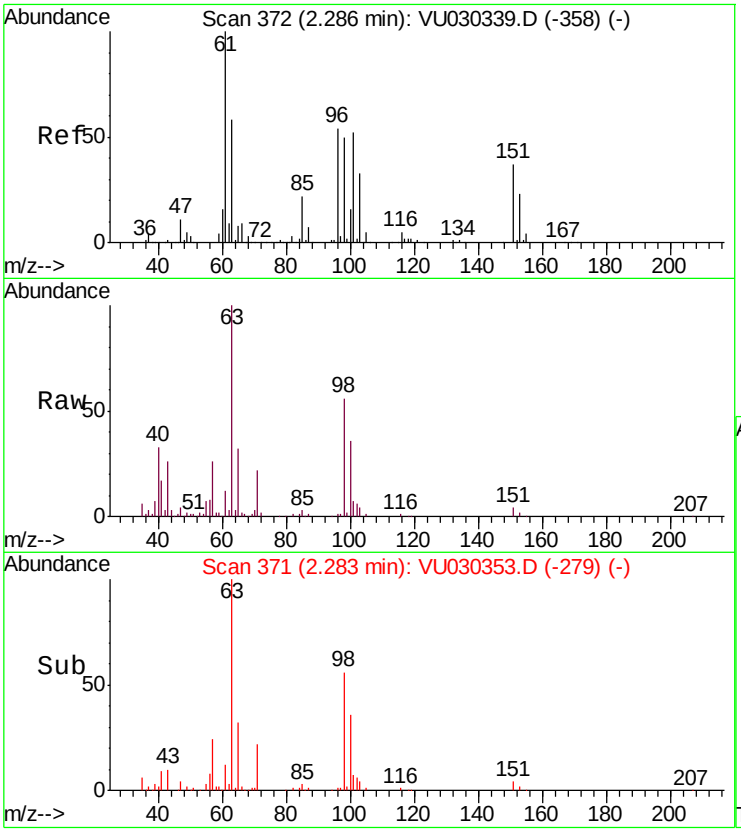


#8
Chloroethane
Concen: 2.678 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.11 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 64 Resp: 7949

Ion	Ratio	Lower	Upper
64	100		
66	5.3	22.5	41.7#



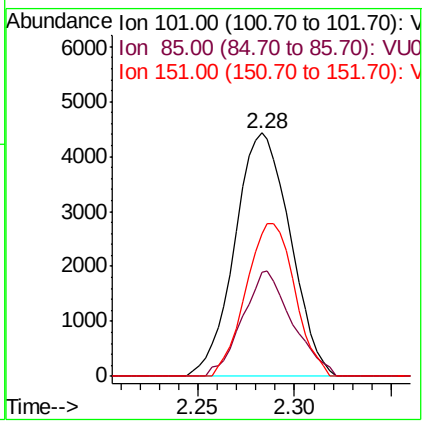


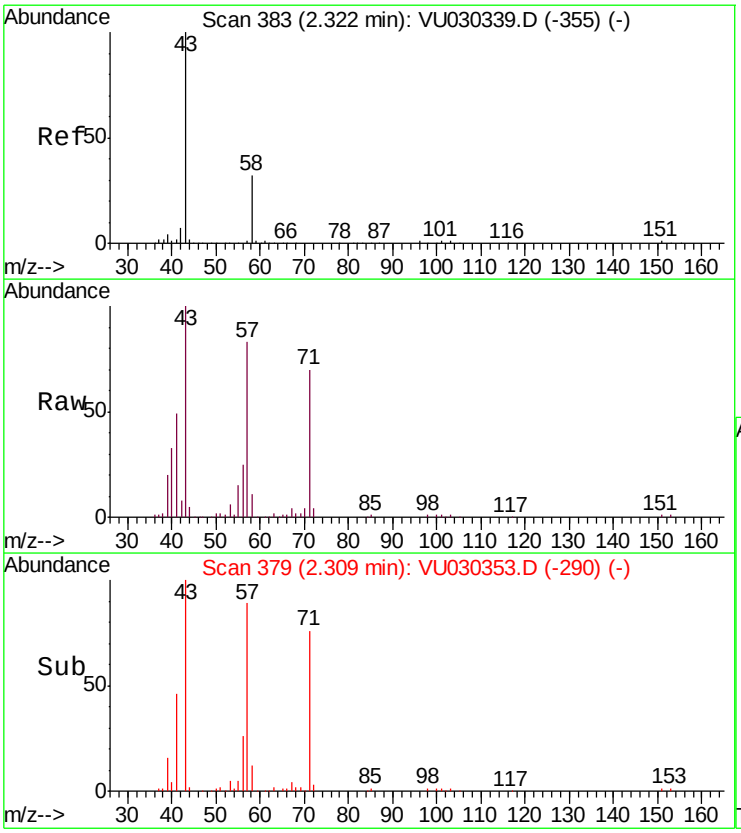
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.685 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion:101 Resp: 8805

Ion	Ratio	Lower	Upper
101	100		
85	38.9	34.8	52.2
151	55.3	56.6	85.0#

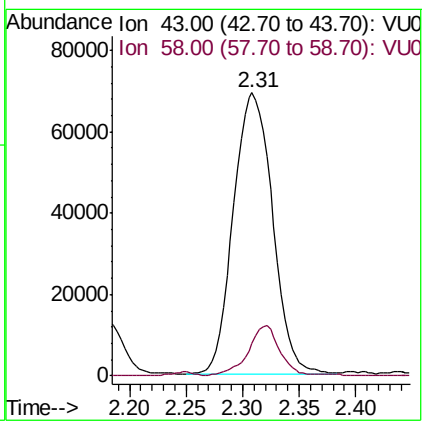


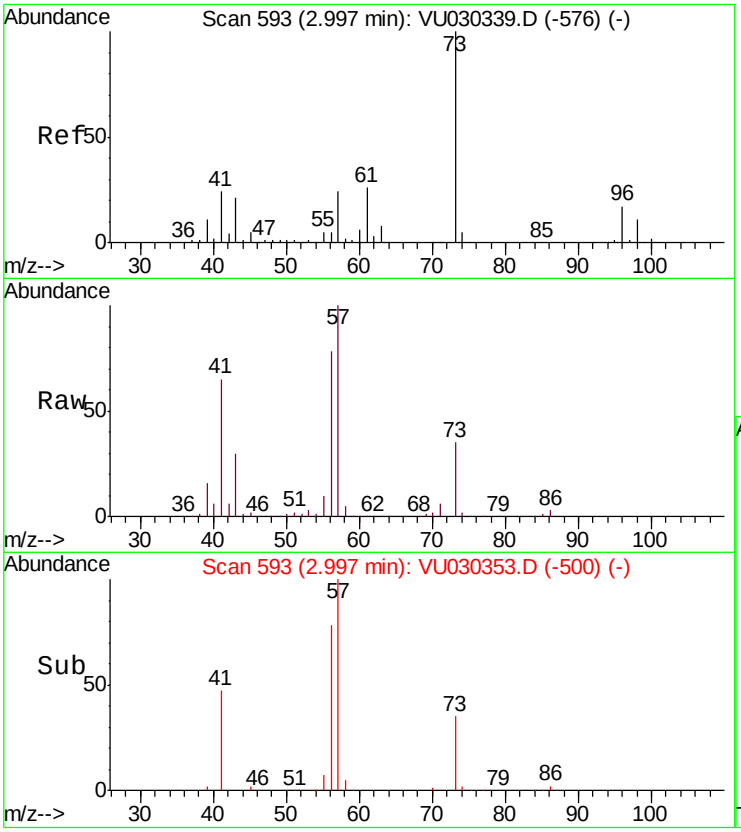


#13
Acetone
Concen: 48.334 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 43 Resp: 166166

Ion	Ratio	Lower	Upper
43	100		
58	14.0	0.0	62.8



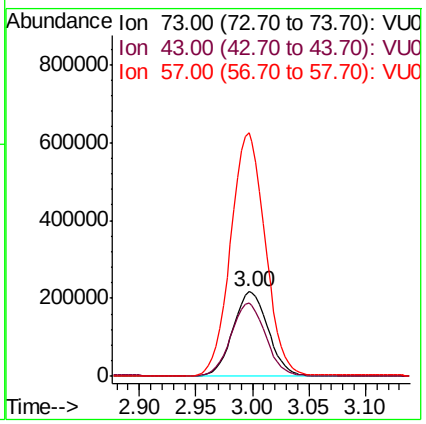


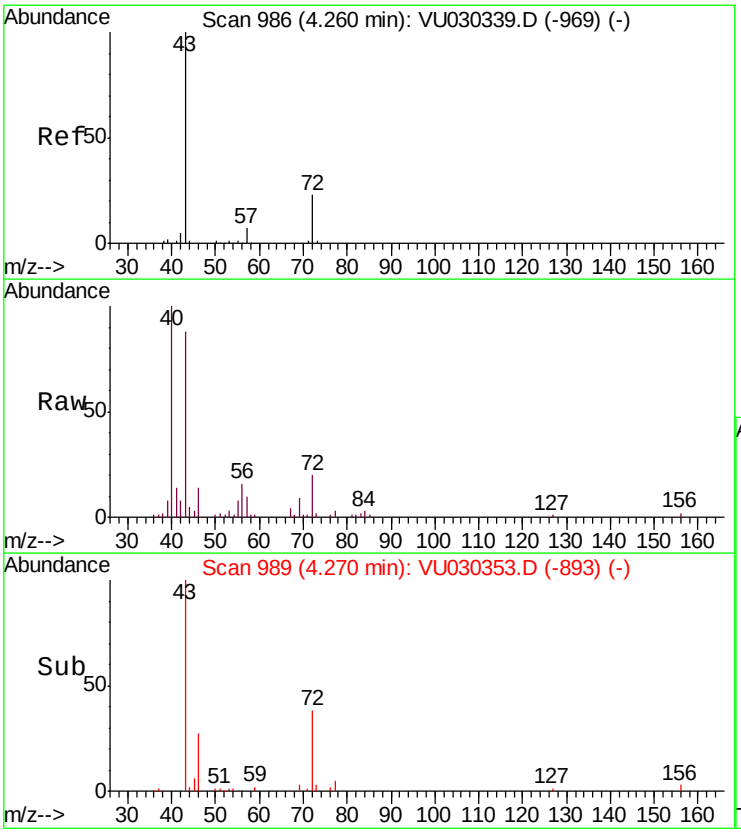
#18
Methyl tert-butyl Ether
Concen: 42.384 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument : MSVOA_U
ClientSampleId : DB6R5

Tgt Ion: 73 Resp: 472751

Ion	Ratio	Lower	Upper
73	100		
43	84.0	16.6	24.8#
57	281.9	18.9	28.3#

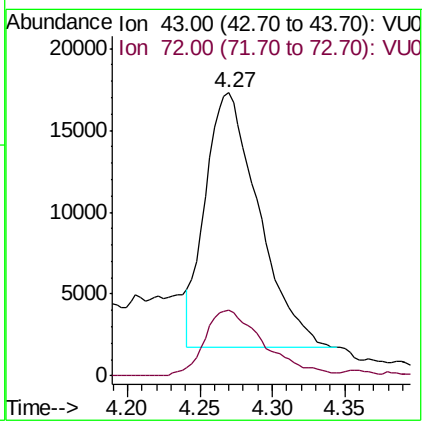


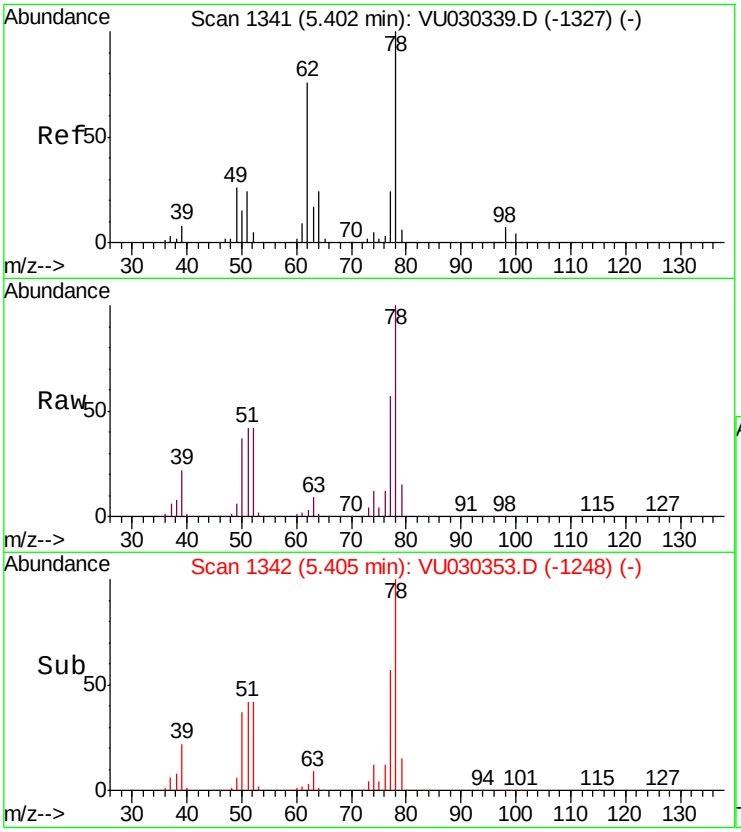


#22
2-Butanone
Concen: 9.609 ug/L
RT: 4.27 min Scan# 989
Delta R.T. 0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 43 Resp: 39930

Ion	Ratio	Lower	Upper
43	100		
72	28.7	12.0	36.1



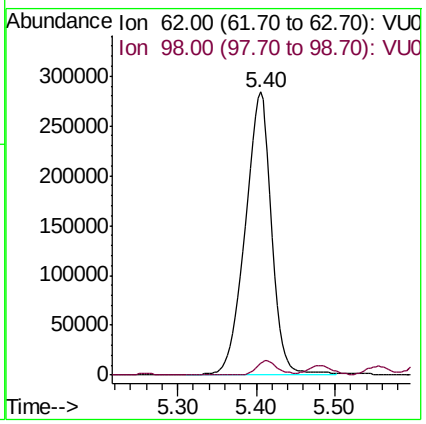


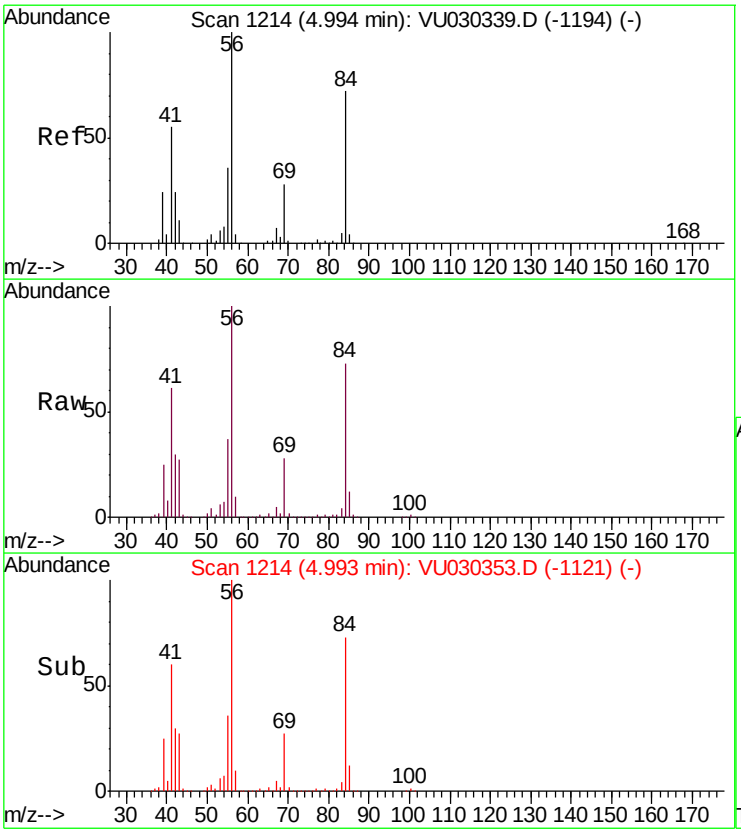
#27
1,2-Dichloroethane
Concen: 131.005 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument : MSVOA_U
ClientSampleId : DB6R5

Tgt Ion: 62 Resp: 676341

Ion	Ratio	Lower	Upper
62	100		
98	4.1	7.2	10.8#

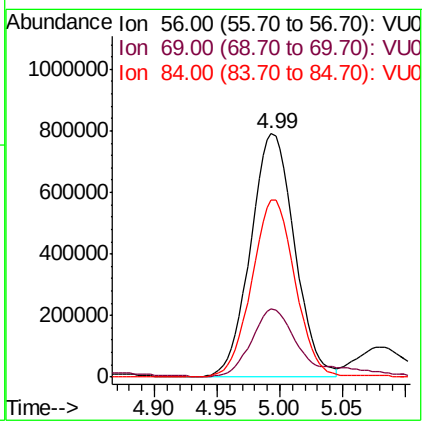


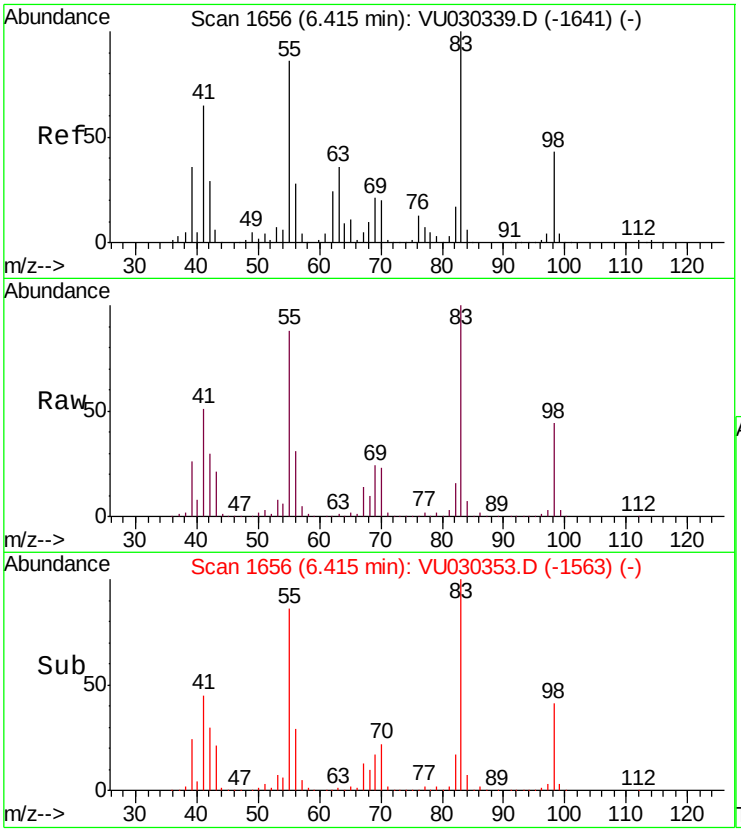


#29
Cyclohexane
Concen: 287.484 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 56 Resp: 1922126

Ion	Ratio	Lower	Upper
56	100		
69	32.8	22.9	34.3
84	72.2	58.9	88.3



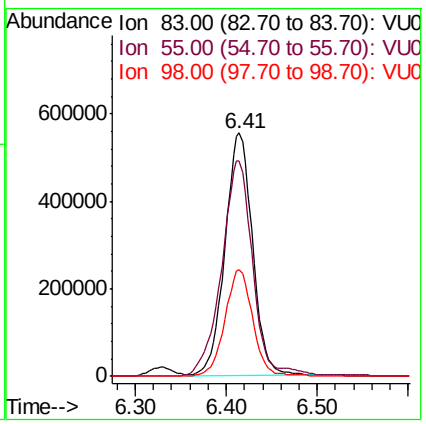


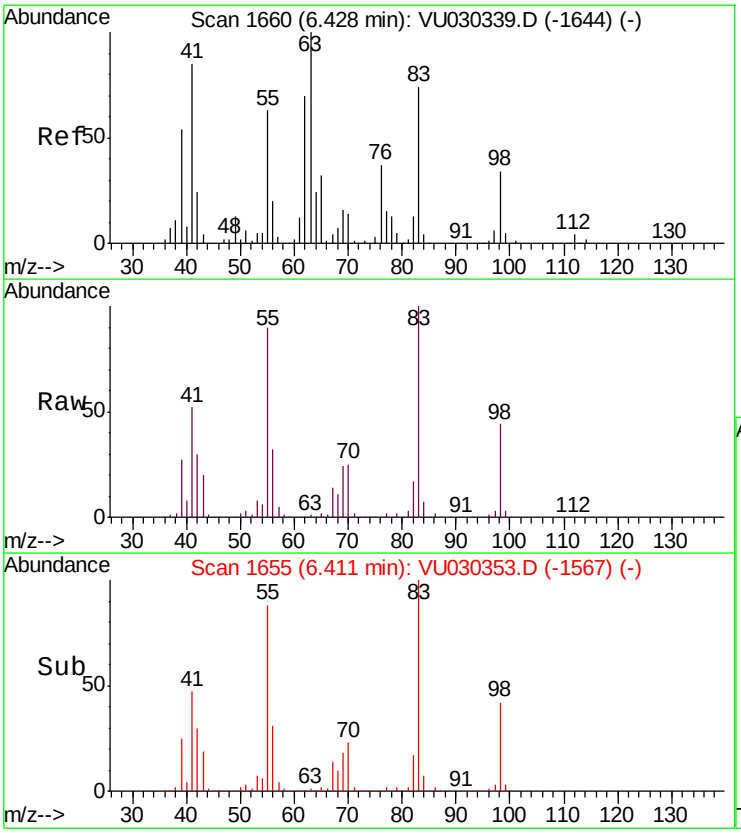
#35
Methylcyclohexane
Concen: 192.197 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion: 83 Resp: 1169346

Ion	Ratio	Lower	Upper
83	100		
55	100.1	71.4	107.0
98	44.3	36.0	54.0

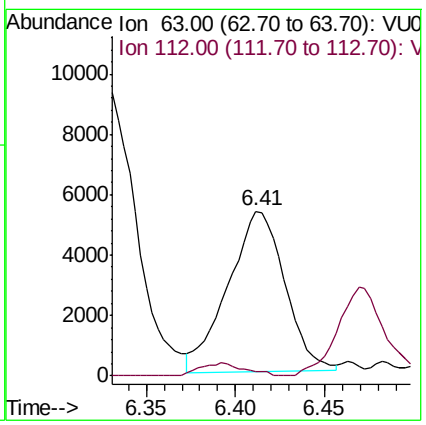


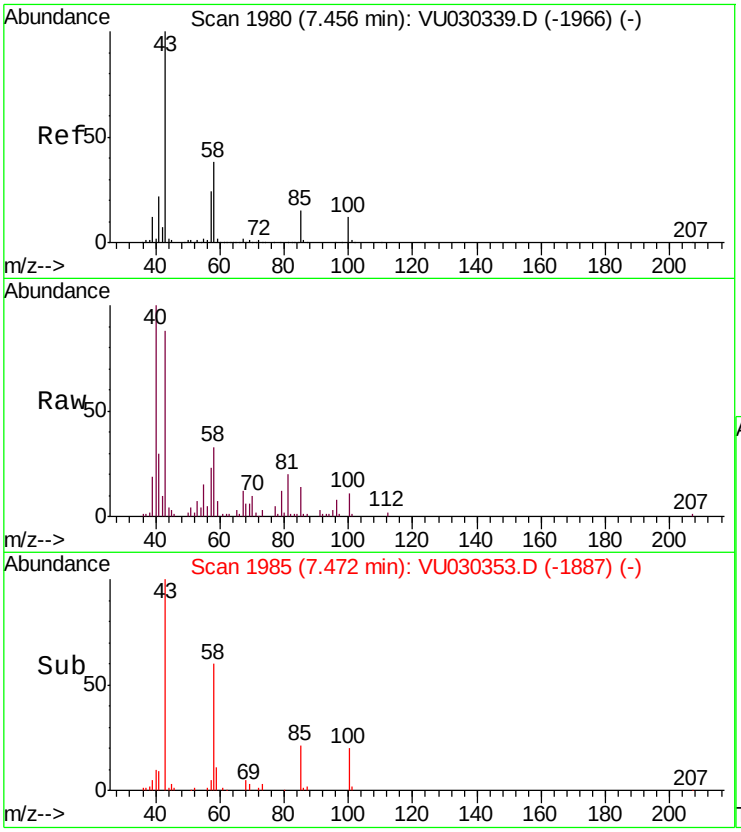


#37
1,2-Dichloropropane
Concen: 2.770 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.02 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 63 Resp: 11822

Ion	Ratio	Lower	Upper
63	100		
112	6.3	2.6	4.0#



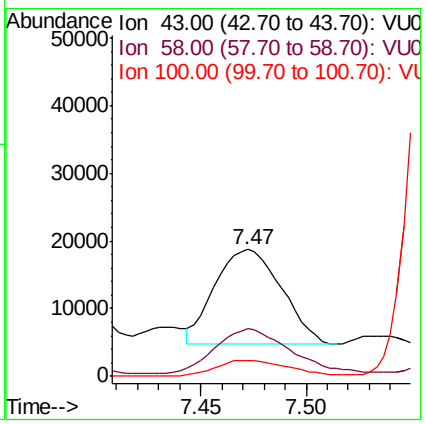


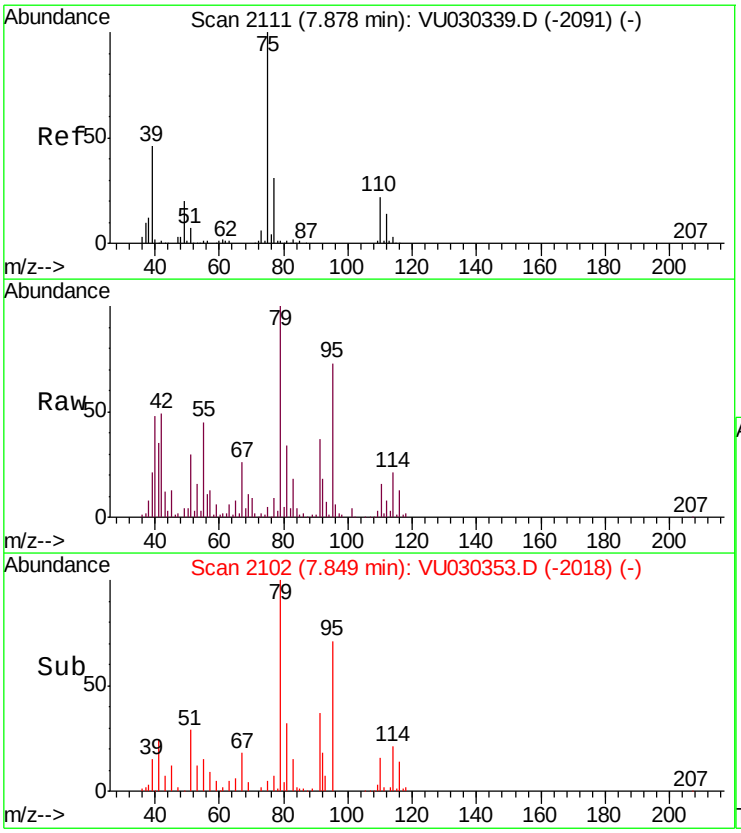
#40
4-Methyl-2-pentanone
Concen: 4.300 ug/L
RT: 7.47 min Scan# 1985
Delta R.T. 0.02 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument : MSVOA_U
ClientSampleId : DB6R5

Tgt Ion: 43 Resp: 30824

Ion	Ratio	Lower	Upper
43	100		
58	52.8	30.6	45.8#
100	18.6	9.5	14.3#

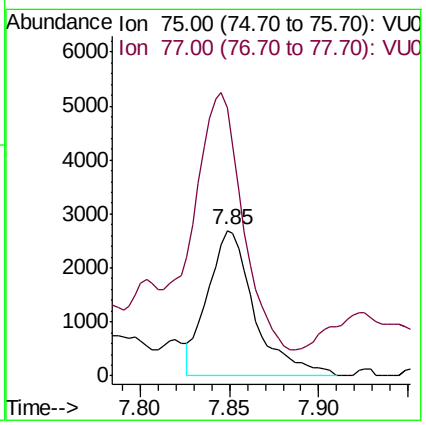


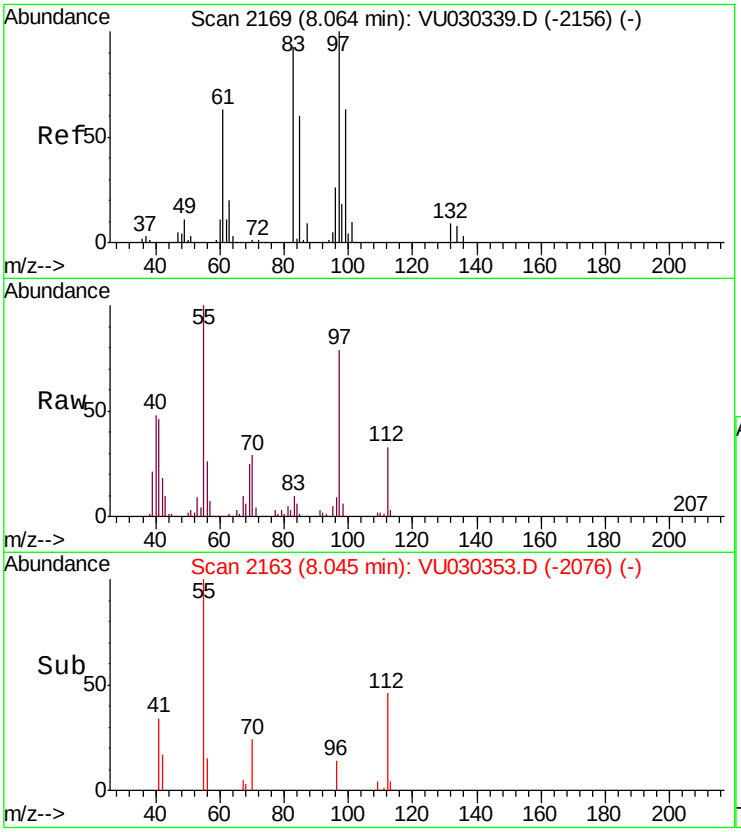


#44
trans-1,3-Dichloropropene
Concen: 0.909 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 75 Resp: 4906

Ion	Ratio	Lower	Upper
75	100		
77	184.3	22.0	40.8#



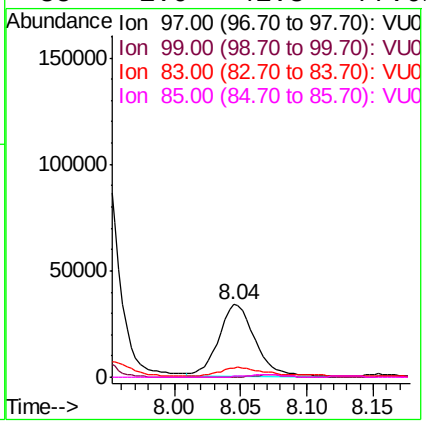


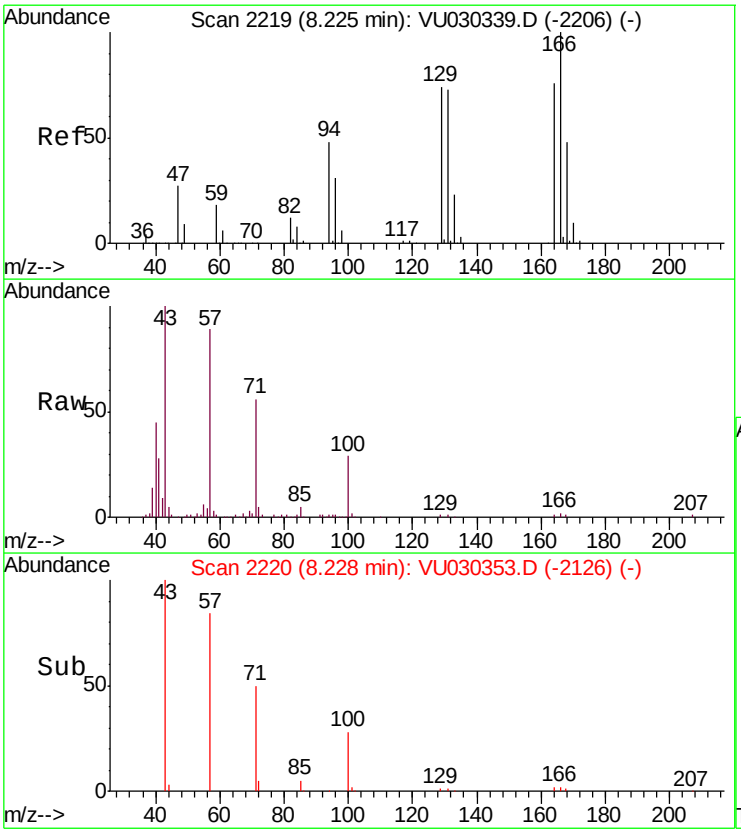
#45
1,1,2-Trichloroethane
Concen: 18.052 ug/L
RT: 8.04 min Scan# 2163
Delta R.T. -0.02 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion: 97 Resp: 65102

Ion	Ratio	Lower	Upper
97	100		
99	0.5	44.0	81.8#
83	13.2	65.3	121.3#
85	1.0	41.8	77.6#

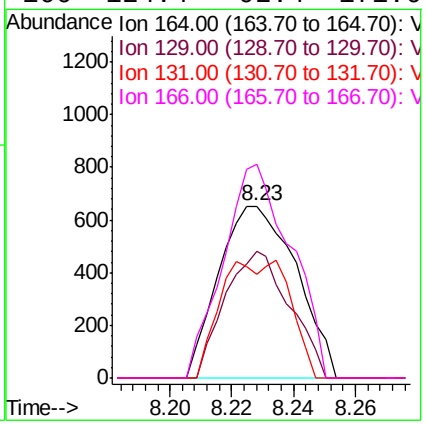


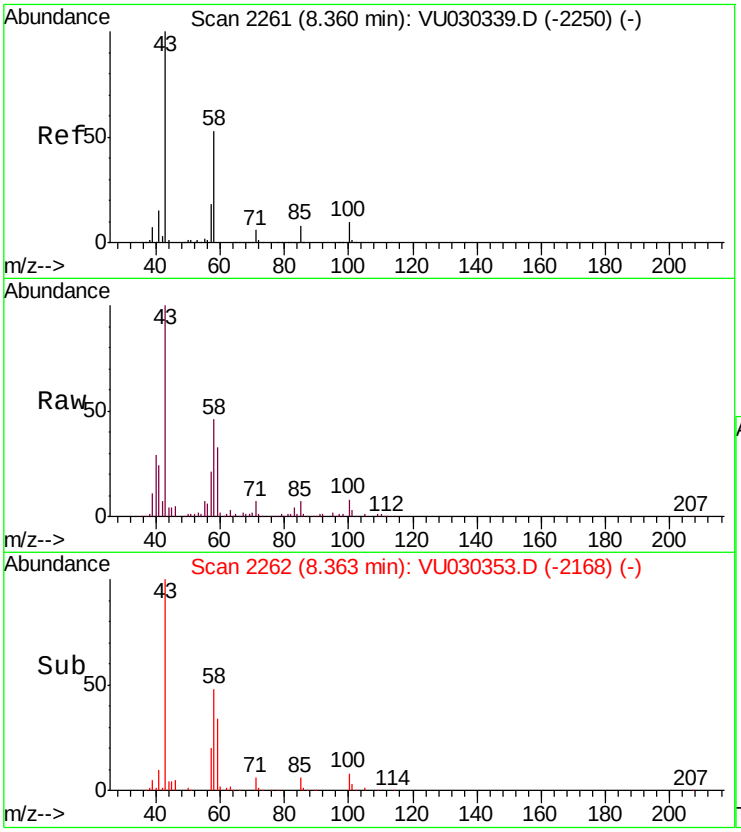


#46
Tetrachloroethene
Concen: 0.441 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion:164 Resp: 1140

Ion	Ratio	Lower	Upper
164	100		
129	74.2	68.1	126.5
131	60.4	67.7	125.7#
166	124.4	92.4	171.6



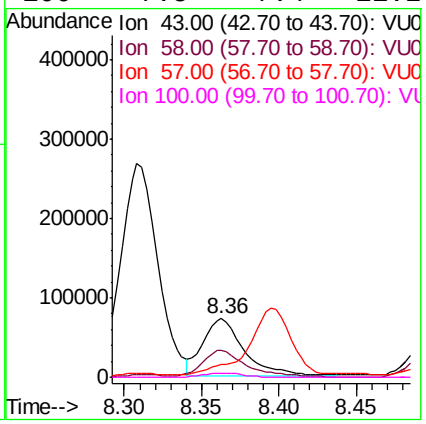


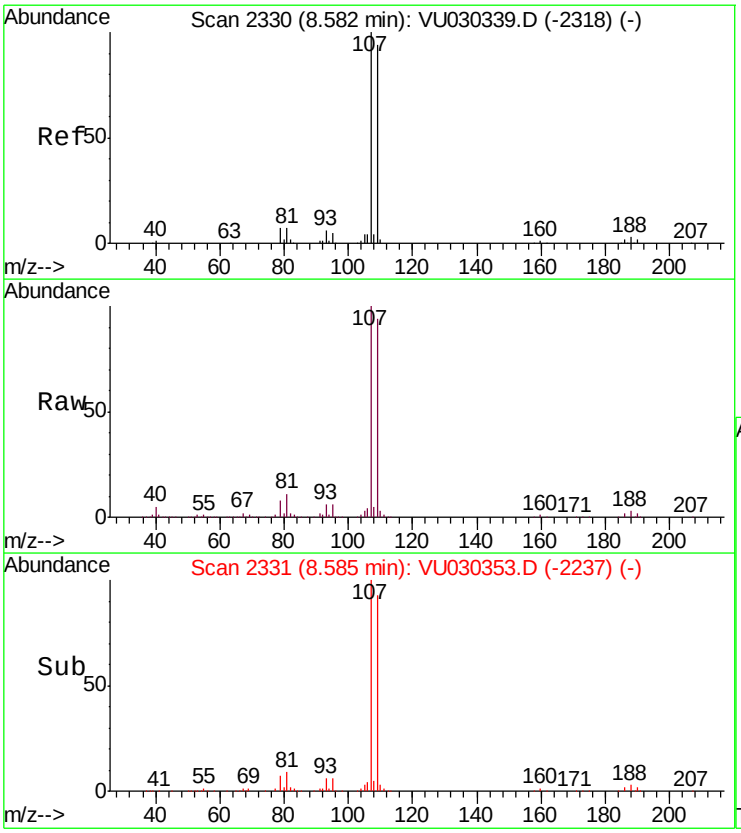
#48
2-Hexanone
Concen: 23.009 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument : MSVOA_U
ClientSampleId : DB6R5

Tgt Ion: 43 Resp: 135198

Ion	Ratio	Lower	Upper
43	100		
58	48.4	42.5	63.7
57	0.0	15.0	22.6#
100	7.5	7.4	11.2

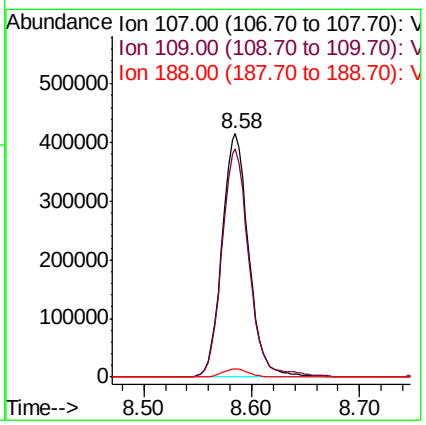


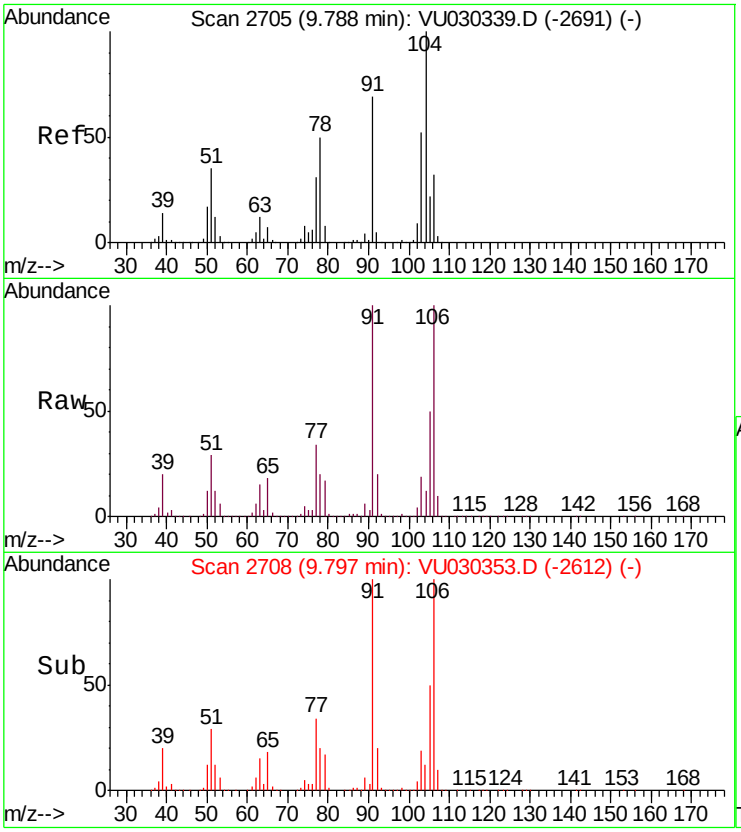


#50
1,2-Dibromoethane
Concen: 185.114 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion:107 Resp: 716454

Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.8	122.2
188	3.3	2.6	4.0



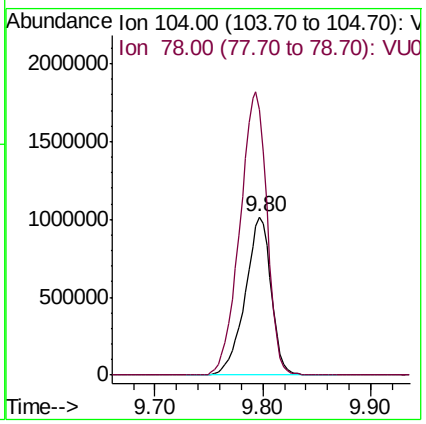


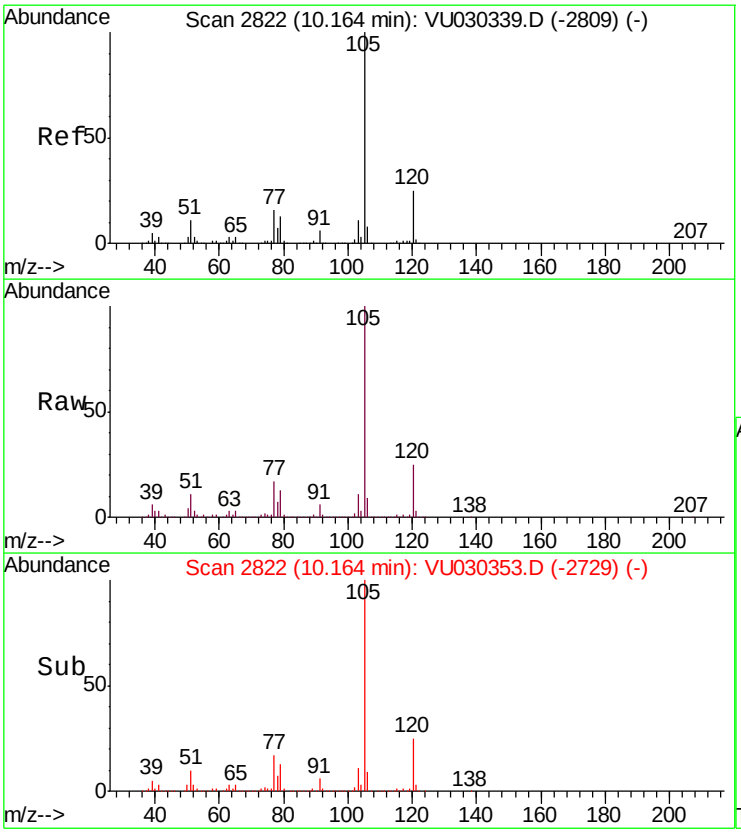
#55
Styrene
Concen: 164.901 ug/L
RT: 9.80 min Scan# 2708
Delta R.T. 0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion:104 Resp: 1692167

Ion	Ratio	Lower	Upper
104	100		
78	167.3	35.1	65.3#

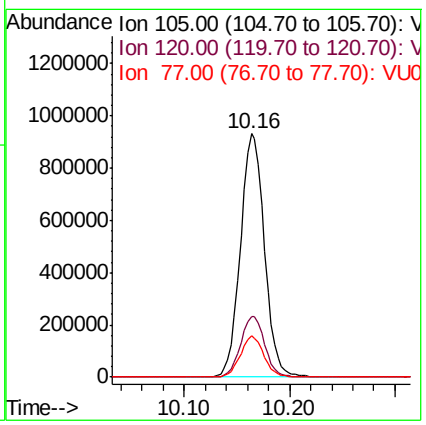


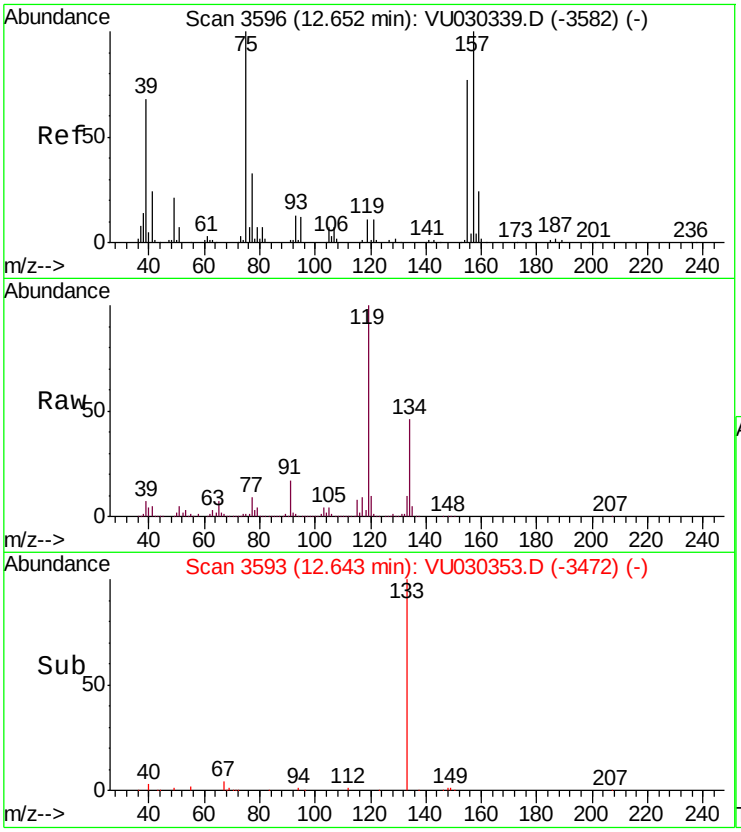


#56
Isopropylbenzene
Concen: 93.074 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion:105 Resp: 1468116

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.2	30.2
77	16.6	13.2	19.8



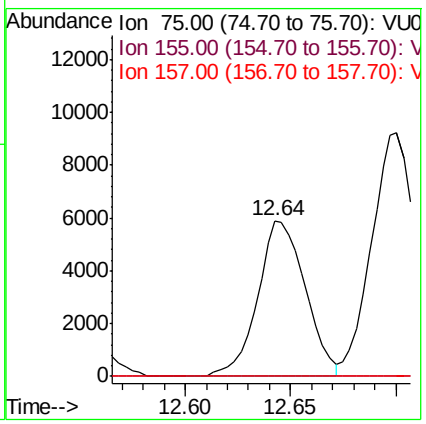


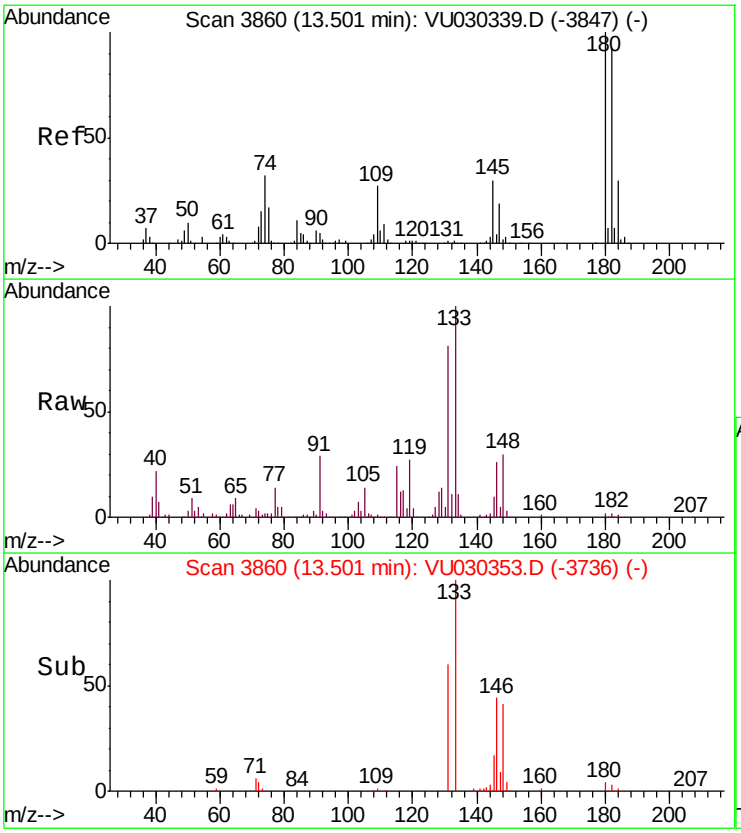
#66
1,2-Dibromo-3-chloropropane
Concen: 5.319 ug/L
RT: 12.64 min Scan# 3593
Delta R.T. -0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion: 75 Resp: 9239

Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.8	92.6#
157	0.0	80.2	120.4#

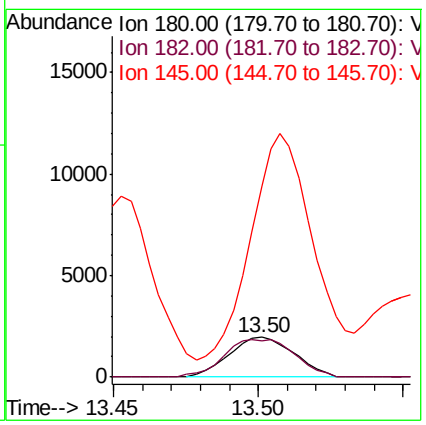


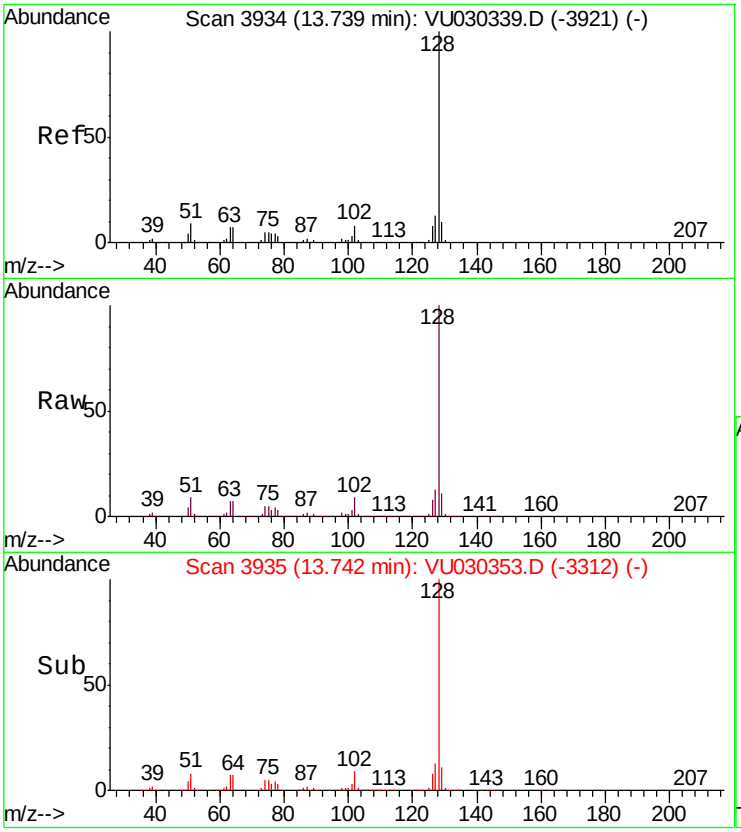


#68
1,2,4-trichlorobenzene
Concen: 0.609 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion:180 Resp: 3058

Ion	Ratio	Lower	Upper
180	100		
182	58.4	76.1	114.1#
145	531.8	24.5	36.7#





#69
Naphthalene
Concen: 631.640 ug/L
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

Tgt Ion:128 Resp:11271993

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.4	12.6