

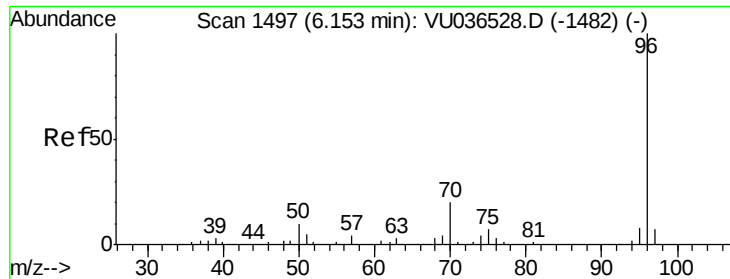
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012320\
 Data File : VU036541.D
 Acq On : 23 Jan 2020 16:07
 Operator : JC/MD
 Sample : L1134-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 00:52:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	38937	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	13946	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	13594	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
Target Compounds						
13) Acetone	2.67	43	2354	Below Cal		96
15) Methylene Chloride	3.08	84	3046	0.226 ug/l		98
24) tert-Butyl Alcohol	3.29	59	742	1.050 ug/l #		72
46) t-1,4-Dichloro-2-butene	10.85	75	11498	4.093 ug/l #		26
56) 1,2-Dibromoethane	8.96	107	9440	1.220 ug/l		97
71) 1,2,3-Trichloropropane	10.85	75	11498	1.590 ug/l		75
80) Nitrobenzene	13.02	77	630	4.332 ug/l #		40
86) 1,2-Dibromo-3-Chloropropan	13.02	75	2400	1.399 ug/l		84

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VU036541.D

Acq: 23 Jan 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 38937

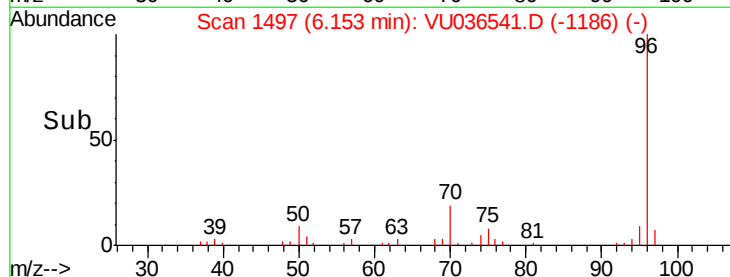
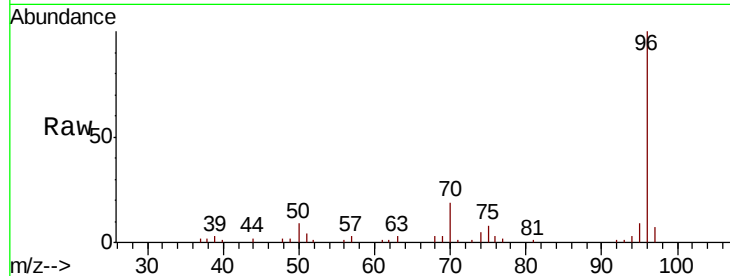
Ion Ratio Lower Upper

96 100

70 18.5 15.6 23.4

95 9.4 7.0 10.6

97 6.7 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036528.D (-1482) (-)

Ion 70.00 (69.70 to 70.70): VU036528.D (-1482) (-)

Ion 95.00 (94.70 to 95.70): VU036528.D (-1482) (-)

Ion 97.00 (96.70 to 97.70): VU036528.D (-1482) (-)

Time-->

6.15

20000

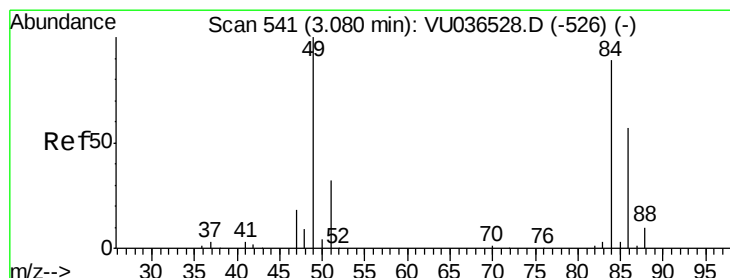
15000

10000

5000

0

6.10 6.20



#15

Methylene Chloride

Concen: 0.226 ug/l

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036541.D

Acq: 23 Jan 2020 16:07

Tgt Ion: 84 Resp: 3046

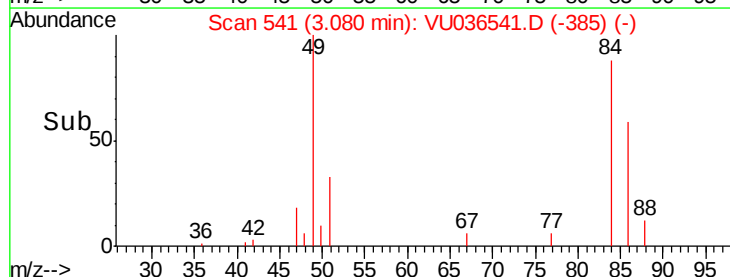
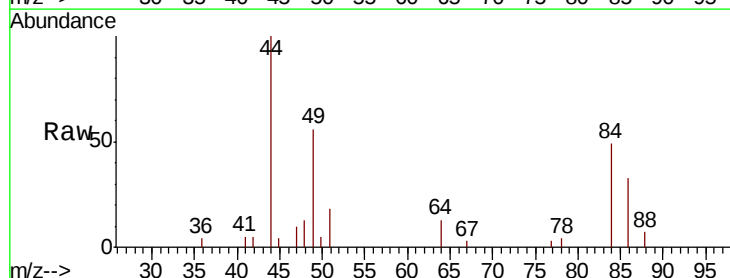
Ion Ratio Lower Upper

84 100

49 113.4 89.7 134.5

51 36.9 0.0 71.6

86 66.4 51.4 77.2



Abundance Ion 84.00 (83.70 to 84.70): VU036528.D (-526) (-)

Ion 49.00 (48.70 to 49.70): VU036528.D (-526) (-)

Ion 51.00 (50.70 to 51.70): VU036528.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU036528.D (-526) (-)

Time-->

3.08

2500

2000

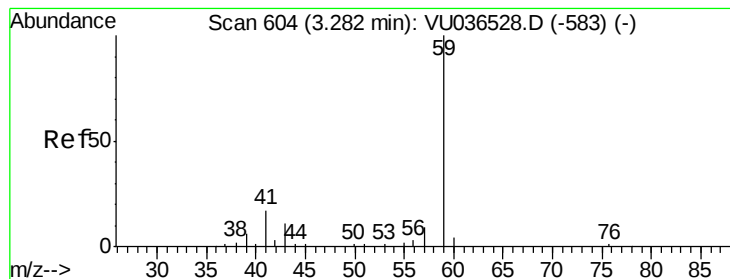
1500

1000

500

0

3.05 3.10

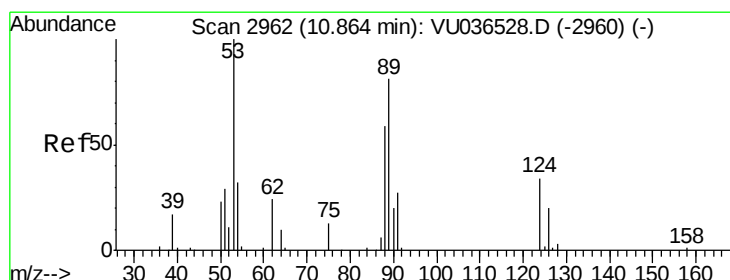
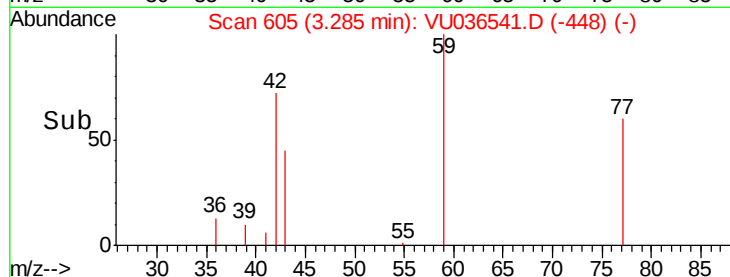
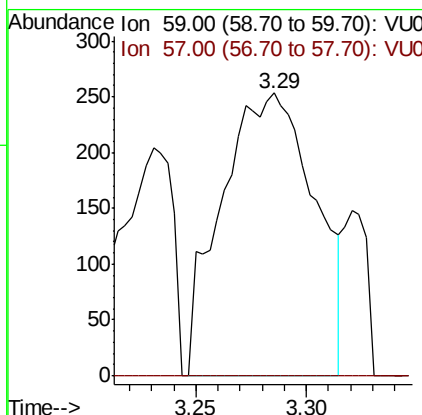
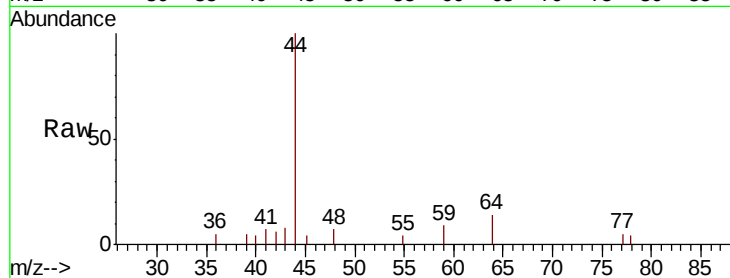


#24

tert-Butyl Alcohol
 Concen: 1.050 ug/l
 RT: 3.29 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VU036541.D
 Acq: 23 Jan 2020 16:07

Instrument :
 MSVOA_U
 ClientSampled :

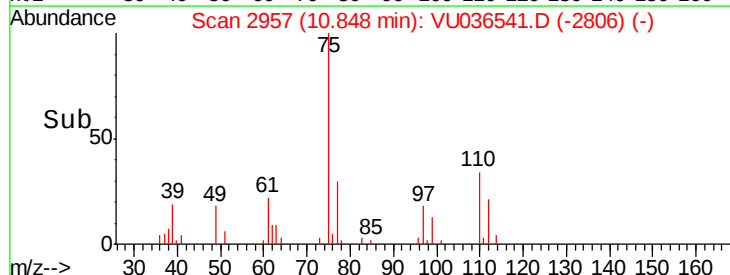
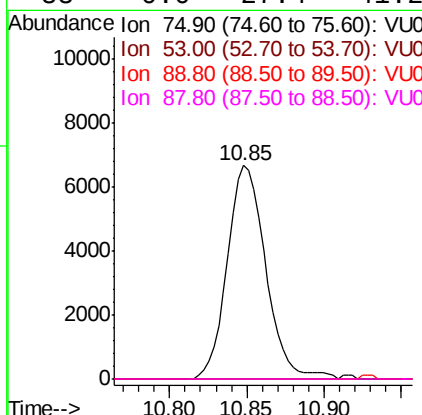
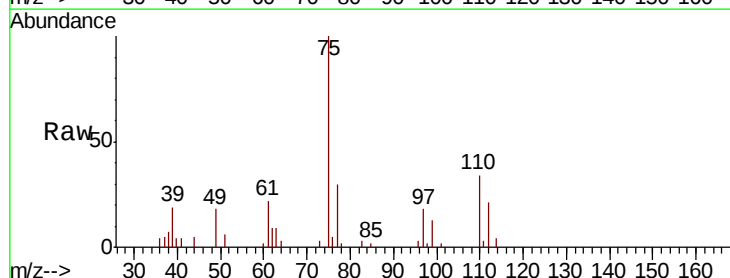
Tot Ion: 59 Resp: 742
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

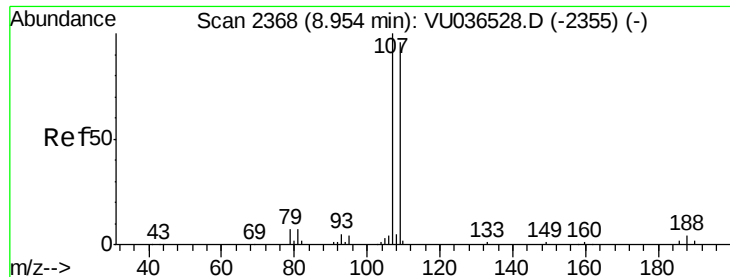


#46

t-1,4-Dichloro-2-butene
 Concen: 4.093 ug/l
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.02 min
 Lab File: VU036541.D
 Acq: 23 Jan 2020 16:07

Tgt Ion: 75 Resp: 11498
 Ion Ratio Lower Upper
 75 100
 53 0.0 52.2 78.2#
 89 0.5 39.8 59.6#
 88 0.0 27.4 41.2#

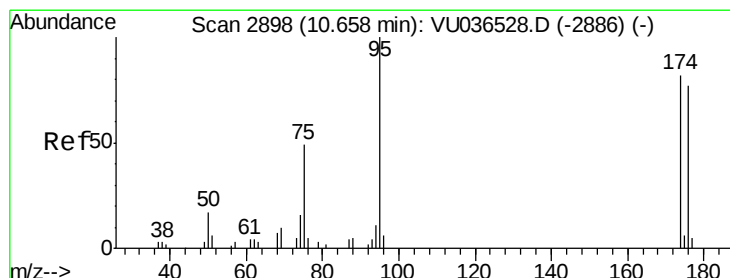
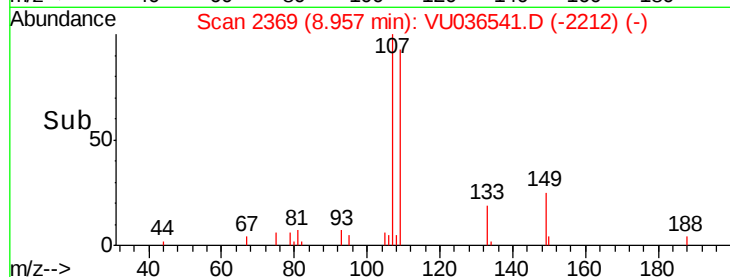
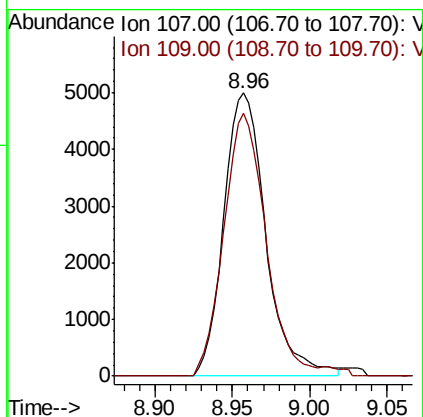
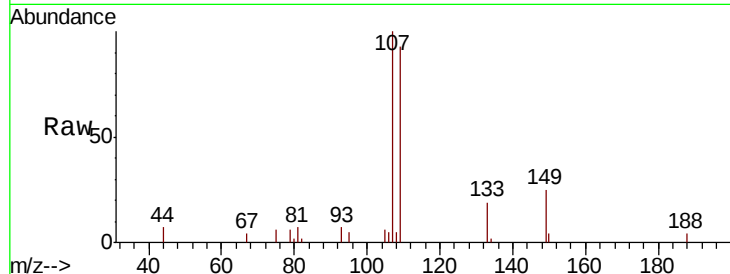




#56
 1,2-Dibromoethane
 Concen: 1.220 ug/l
 RT: 8.96 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VU036541.D
 Acq: 23 Jan 2020 16:07

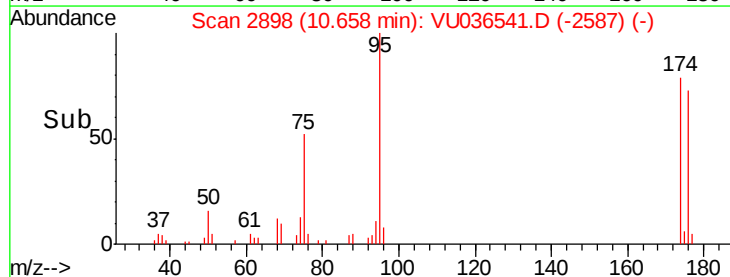
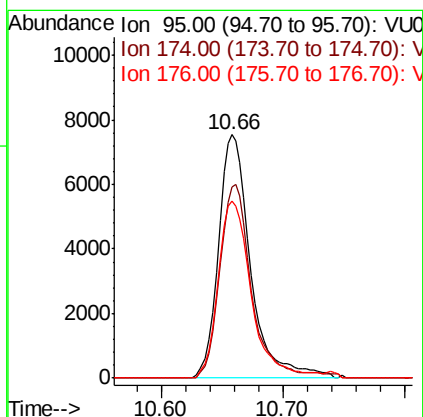
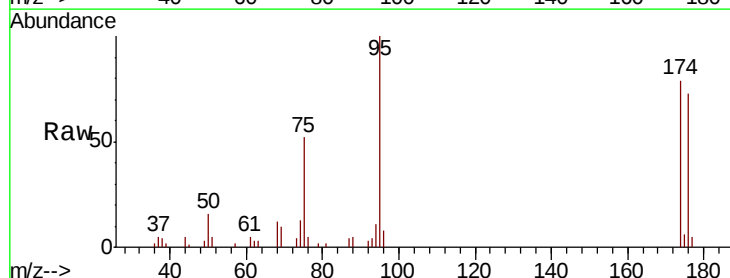
Instrument :
 MSVOA_U
 ClientSampled :

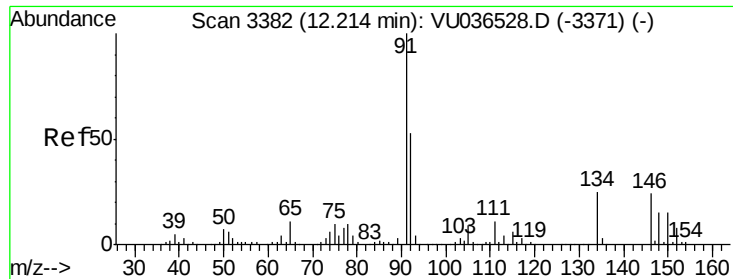
Tot Ion:107 Resp: 9440
 Ion Ratio Lower Upper
 107 100
 109 92.4 0.0 190.8



#57
 4-Bromofluorobenzene
 Concen: 0.949 ug/l
 RT: 10.66 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU036541.D
 Acq: 23 Jan 2020 16:07

Tgt Ion: 95 Resp: 13946
 Ion Ratio Lower Upper
 95 100
 174 77.8 64.7 97.1
 176 74.1 60.6 91.0

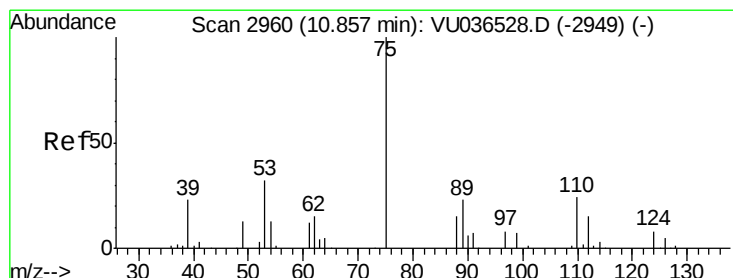
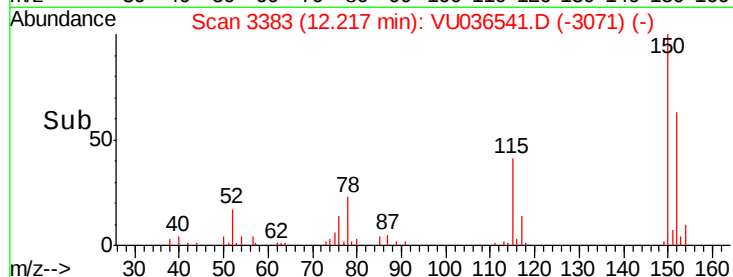
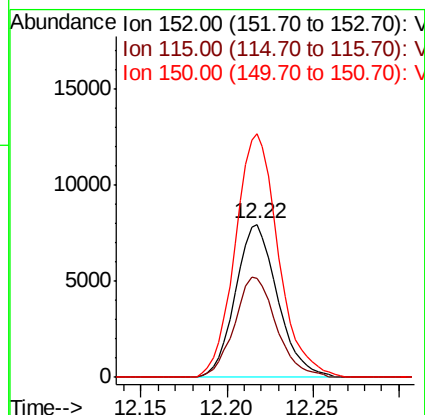
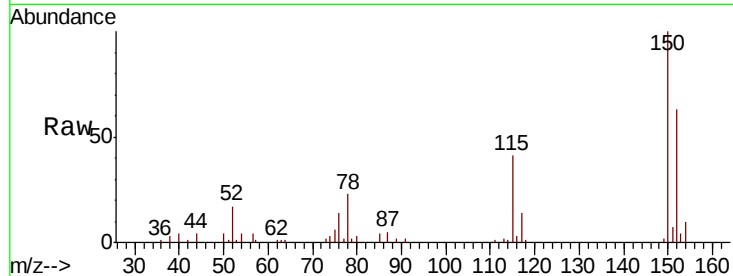




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.904 ug/l
 RT: 12.22 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VU036541.D
 Acq: 23 Jan 2020 16:07

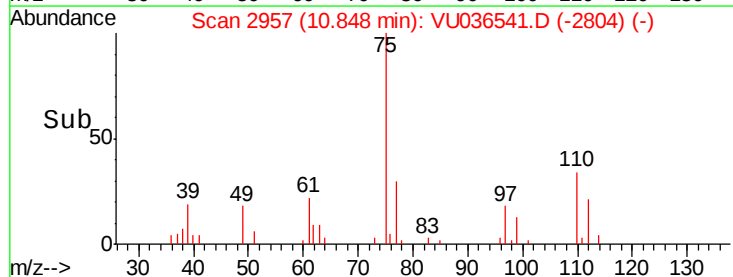
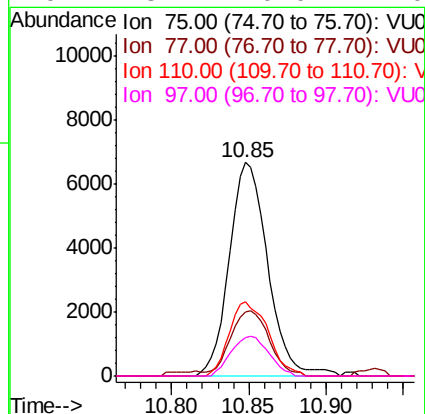
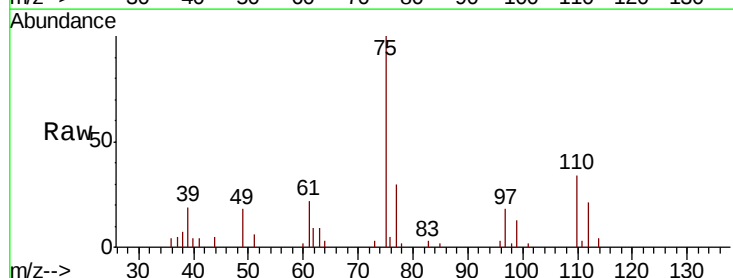
Instrument :
 MSVOA_U
 ClientSampleId :

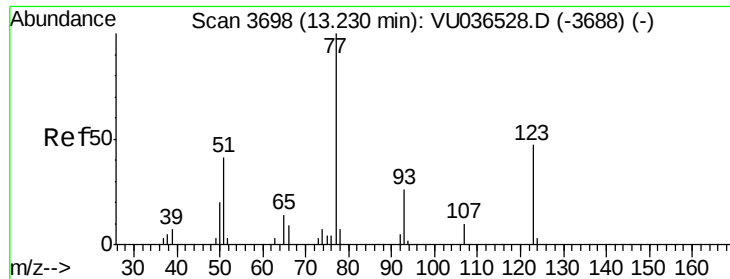
Tot Ion:152 Resp: 13594
 Ion Ratio Lower Upper
 152 100
 115 65.0 0.0 241.8
 150 162.2 0.0 652.4



#71
 1,2,3-Trichloropropane
 Concen: 1.590 ug/l
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.01 min
 Lab File: VU036541.D
 Acq: 23 Jan 2020 16:07

Tgt Ion: 75 Resp: 11498
 Ion Ratio Lower Upper
 75 100
 77 30.8 0.0 129.6
 110 35.1 0.0 77.4
 97 18.2 0.0 42.0





#80

Nitrobenzene

Concen: 4.332 ug/l

RT: 13.02 min Scan# 3632

Delta R.T. -0.21 min

Lab File: VU036541.D

Acq: 23 Jan 2020 16:07

Instrument :

MSVOA_U

ClientSampled :

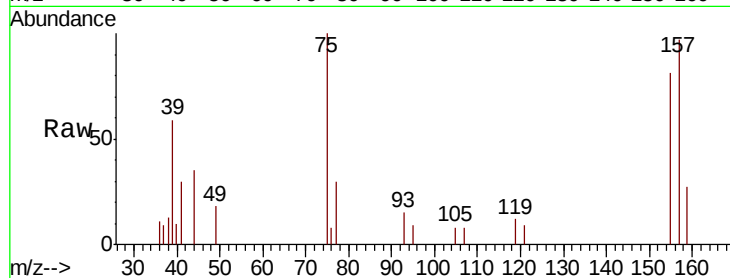
Tot Ion: 77 Resp: 630

Ion Ratio Lower Upper

77 100

123 0.0 19.6 69.6#

65 0.0 12.7 16.1#

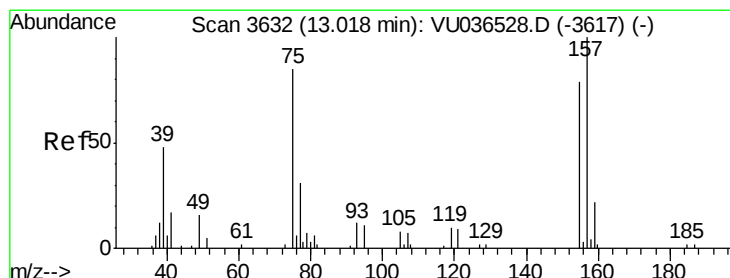
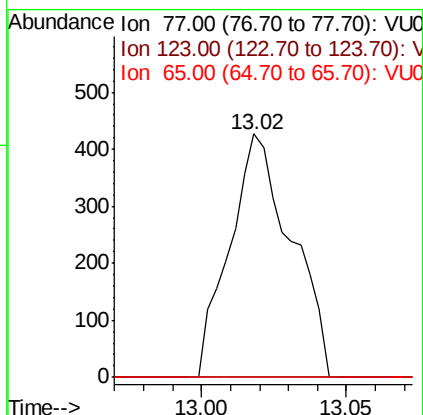
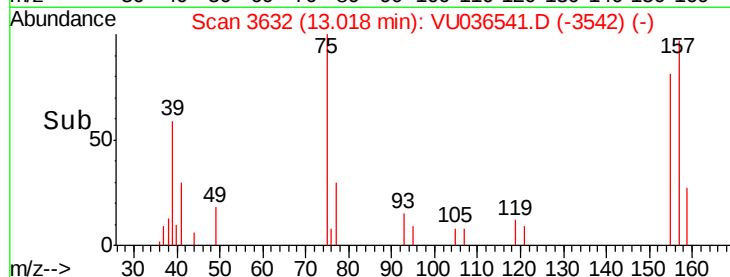


Abundance Ion 77.00 (76.70 to 77.70): VU036528.D (-3688) (-)

Ion 123.00 (122.70 to 123.70): VU036528.D (-3688) (-)

Ion 65.00 (64.70 to 65.70): VU036528.D (-3688) (-)

Time-->



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.399 ug/l

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036541.D

Acq: 23 Jan 2020 16:07

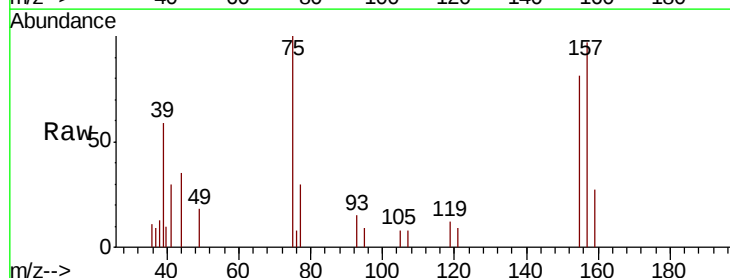
Tgt Ion: 75 Resp: 2400

Ion Ratio Lower Upper

75 100

155 78.0 71.8 107.8

157 95.2 92.4 138.6



Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-3617) (-)

Ion 155.00 (154.70 to 155.70): VU036528.D (-3617) (-)

Ion 157.00 (156.70 to 157.70): VU036528.D (-3617) (-)

Time-->

