

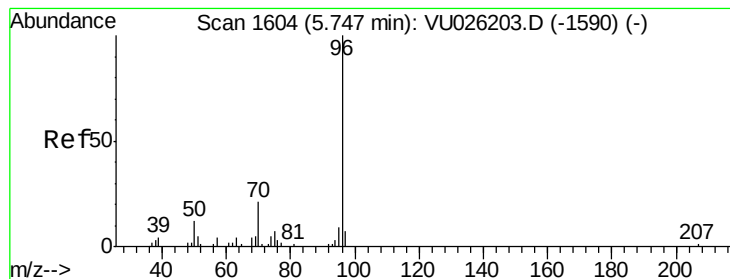
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026208.D
 Acq On : 20 Aug 2018 15:10
 Operator : MD/SY
 Sample : J4045-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:41:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	32027	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	9735	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11364	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
Target Compounds						
					Ovalue	
10) Iodomethane	2.42	142	350	0.264	ug/l #	63
13) Acetone	2.32	43	2062	Below Cal	#	83
15) Methylene Chloride	2.70	84	5685	0.303	ug/l	91
18) 2-Butanone	4.29	43	632	0.262	ug/l	78
24) tert-Butyl Alcohol	2.83	59	268	0.460	ug/l #	87
41) Tetrahydrofuran	4.65	42	415	0.257	ug/l #	63
46) t-1,4-Dichloro-2-butene	10.50	75	5053	2.388	ug/l #	11
56) 1,2-Dibromoethane	8.59	107	7760	1.158	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	5053	0.817	ug/l #	96
80) Nitrobenzene	12.66	77	1022	2.707	ug/l #	40
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2767	1.820	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026208.D

Acq: 20 Aug 2018 15:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 32027

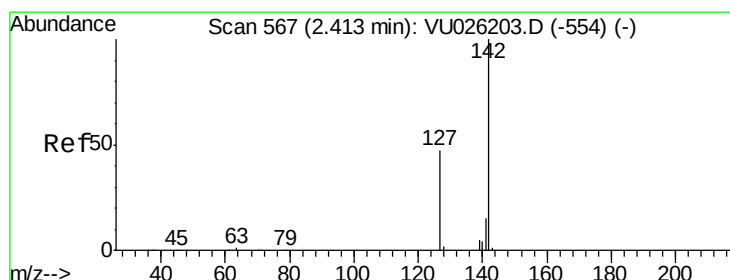
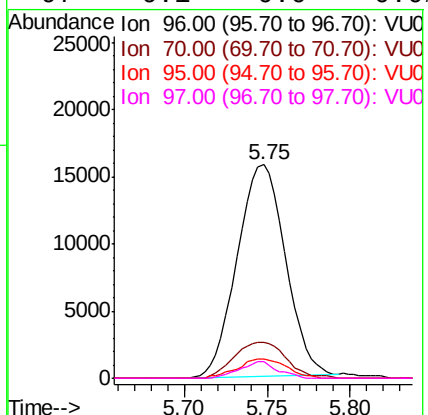
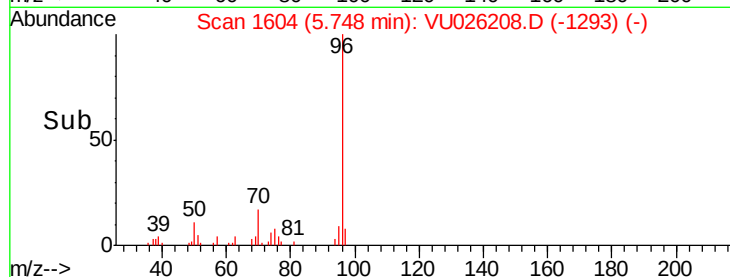
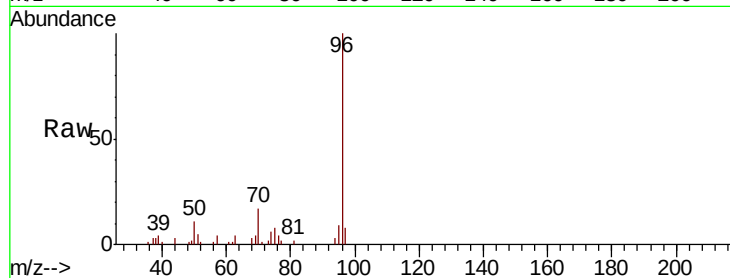
Ion Ratio Lower Upper

96 100

70 18.4 16.2 24.4

95 9.2 6.9 10.3

97 6.1 0.0 0.0#



#10

Iodomethane

Concen: 0.264 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU026208.D

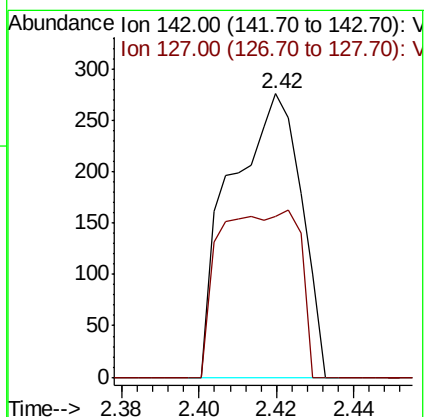
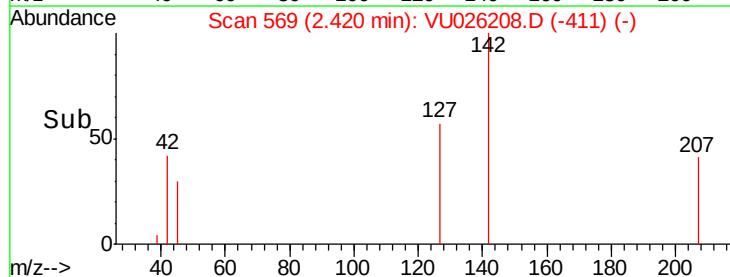
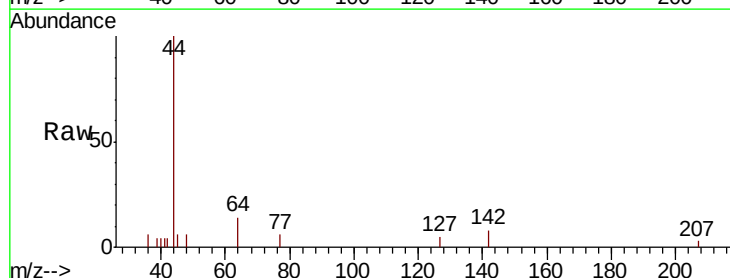
Acq: 20 Aug 2018 15:10

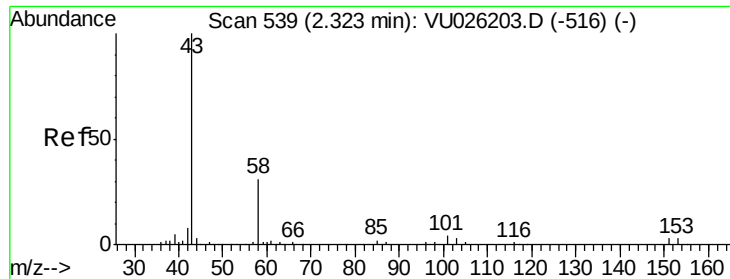
Tgt Ion: 142 Resp: 350

Ion Ratio Lower Upper

142 100

127 66.6 34.5 51.7#

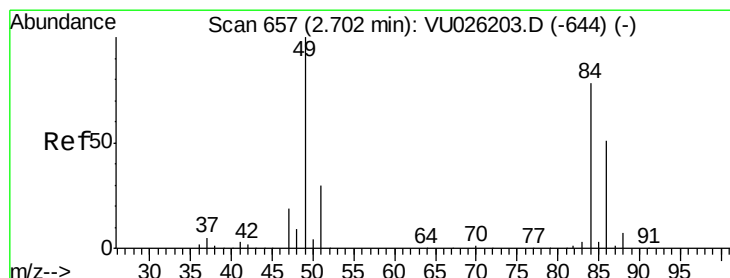
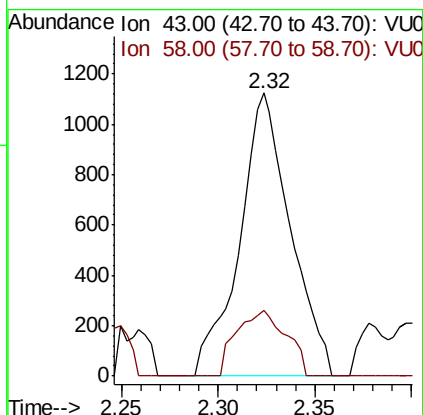
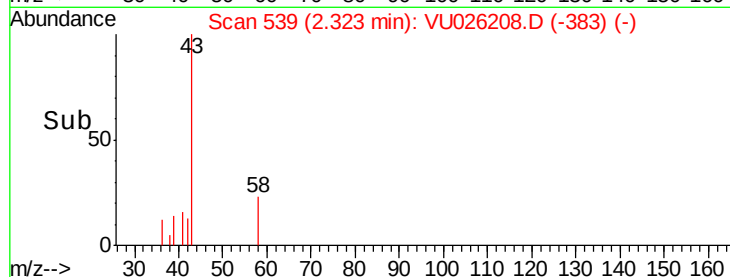
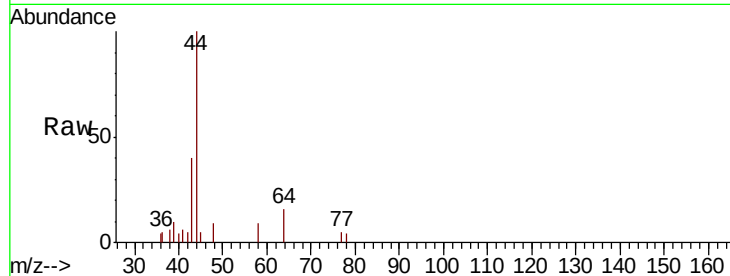




#13
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU026208.D
Acq: 20 Aug 2018 15:10

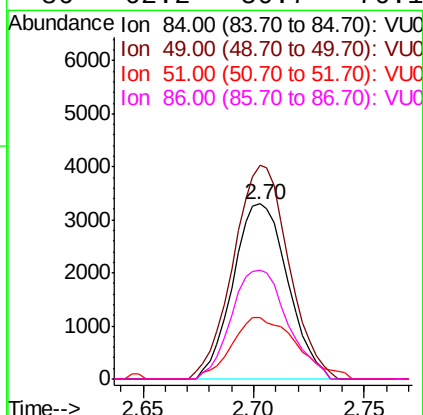
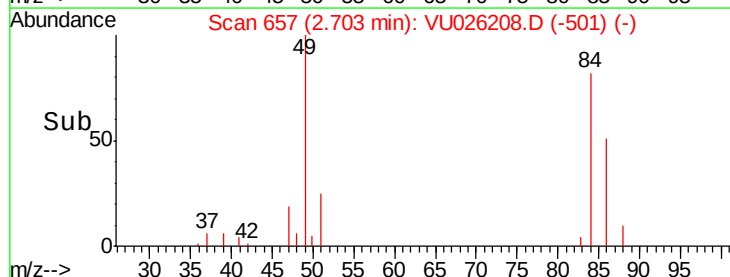
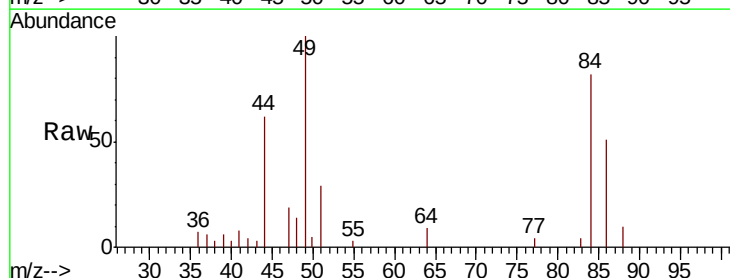
Instrument :
MSVOA_U
ClientSampleId :

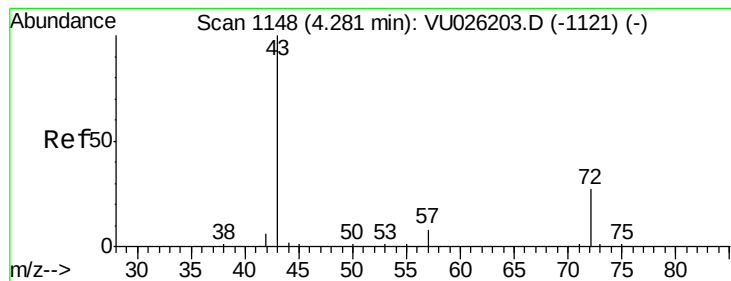
Tot Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
58 23.0 26.0 39.0#



#15
Methylene Chloride
Concen: 0.303 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026208.D
Acq: 20 Aug 2018 15:10

Tgt Ion: 84 Resp: 5685
Ion Ratio Lower Upper
84 100
49 121.9 108.7 163.1
51 34.9 0.0 82.4
86 62.2 50.7 76.1





#18

2-Butanone

Concen: 0.262 ug/l

RT: 4.29 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VU026208.D

Acq: 20 Aug 2018 15:10

Instrument :

MSVOA_U

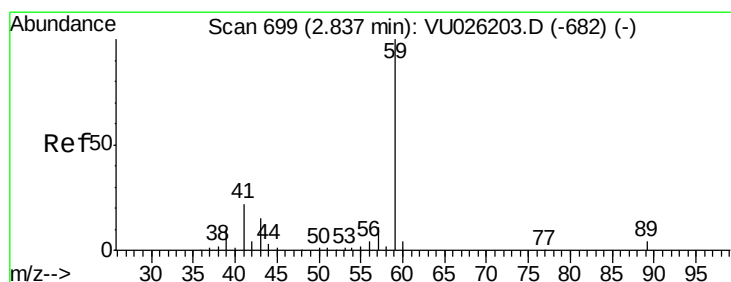
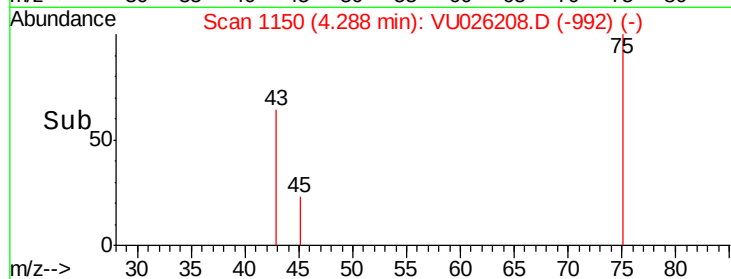
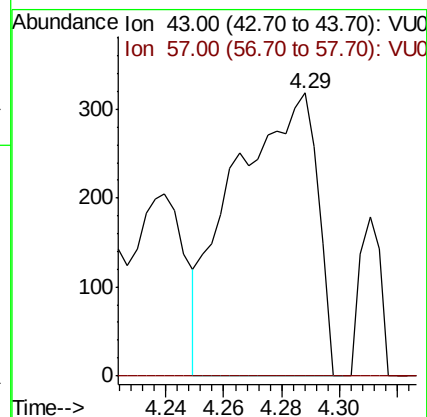
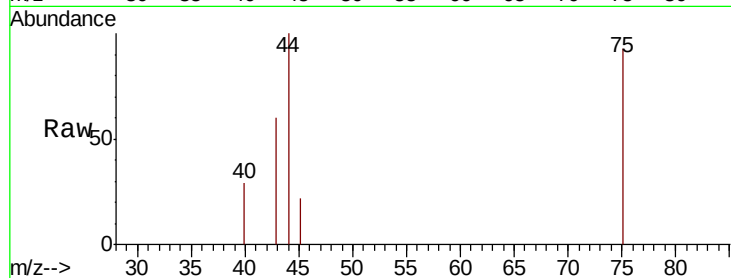
ClientSampleId :

Tot Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

57 0.0 0.0 15.8



#24

tert-Butyl Alcohol

Concen: 0.460 ug/l

RT: 2.83 min Scan# 697

Delta R.T. -0.01 min

Lab File: VU026208.D

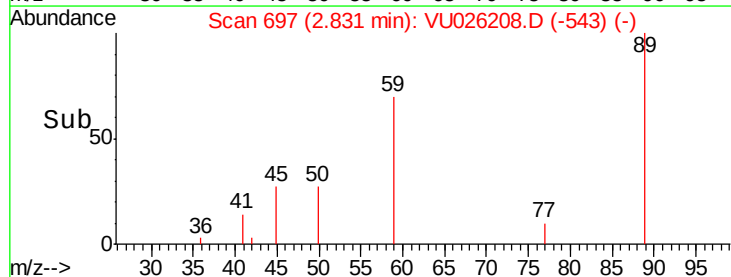
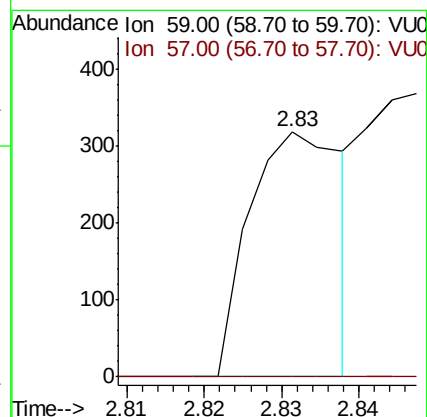
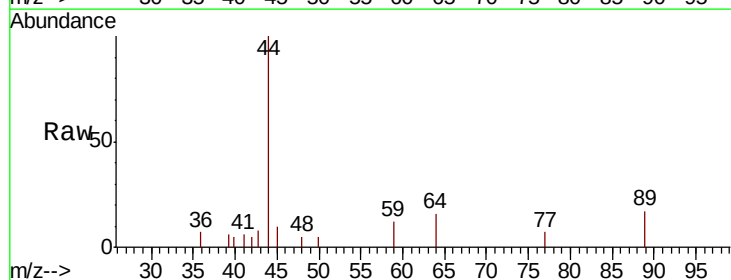
Acq: 20 Aug 2018 15:10

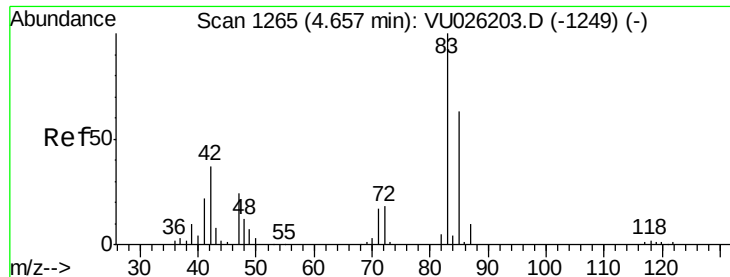
Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

59 100

57 0.0 3.4 5.2#

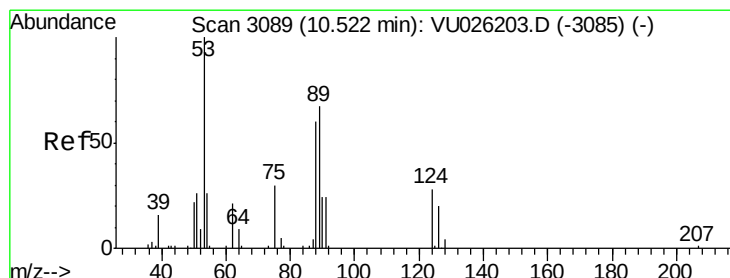
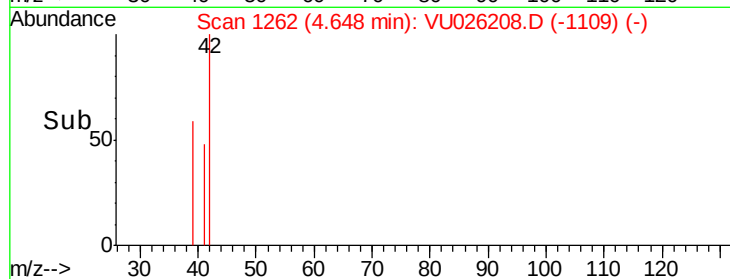
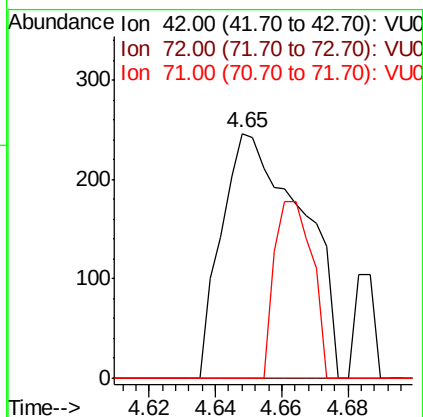
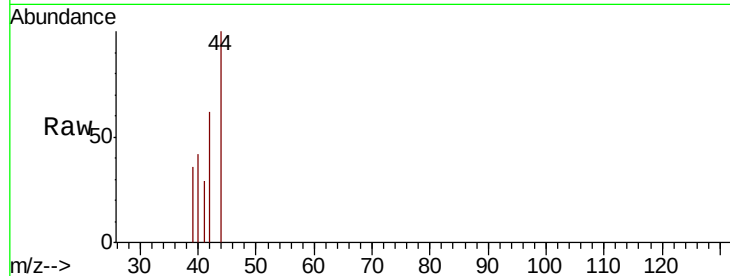




#41
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VU026208.D
Acq: 20 Aug 2018 15:10

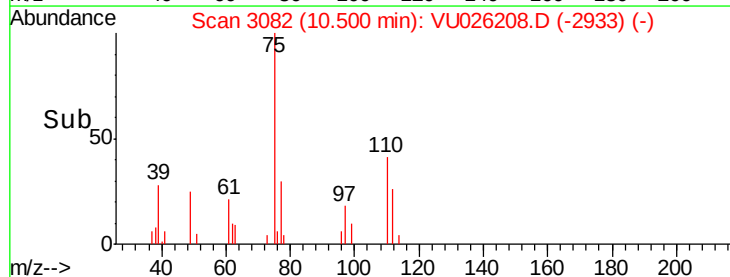
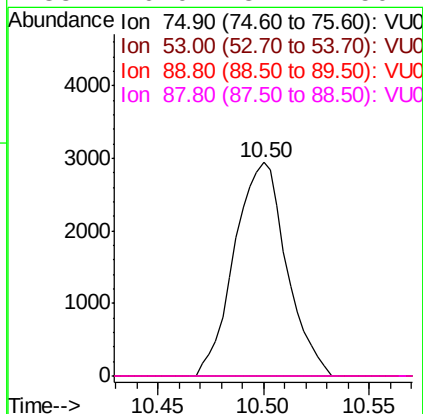
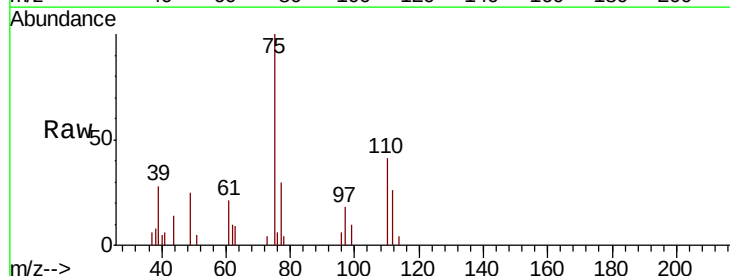
Instrument :
MSVOA_U
ClientSampled :

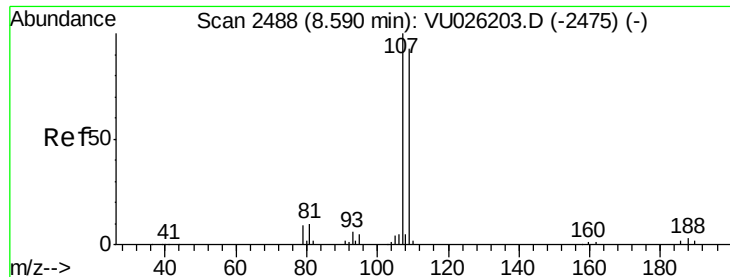
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.2	49.8#
71	34.0	29.8	44.8



#46
t-1,4-Dichloro-2-butene
Concen: 2.388 ug/l
RT: 10.50 min Scan# 3082
Delta R.T. -0.02 min
Lab File: VU026208.D
Acq: 20 Aug 2018 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.2	123.4#
89	0.0	51.3	76.9#
88	0.0	37.4	56.2#





#56

1,2-Dibromoethane

Concen: 1.158 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU026208.D

Acq: 20 Aug 2018 15:10

Instrument :

MSVOA_U

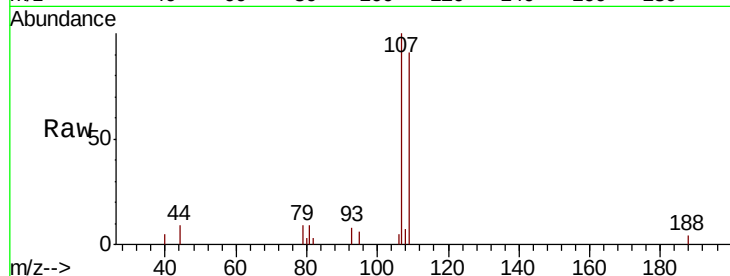
ClientSampleId :

Tot Ion:107 Resp: 7760

Ion Ratio Lower Upper

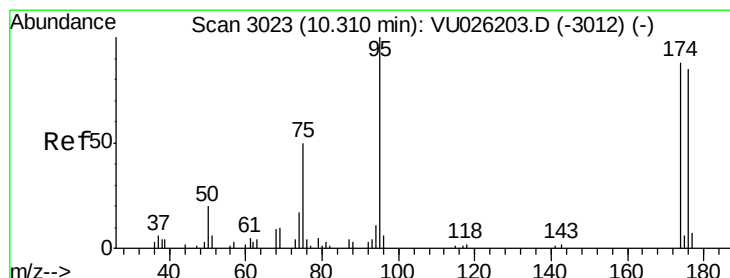
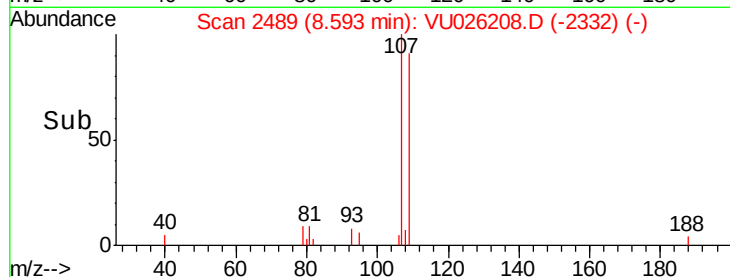
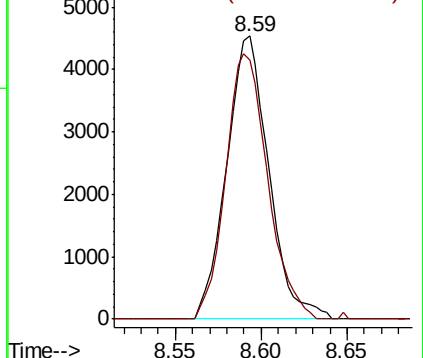
107 100

109 93.5 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#57

4-Bromofluorobenzene

Concen: 1.158 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU026208.D

Acq: 20 Aug 2018 15:10

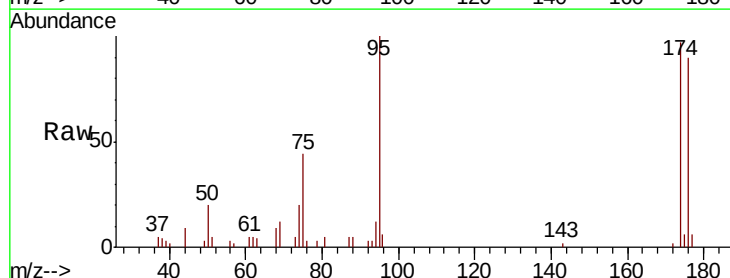
Tgt Ion: 95 Resp: 9735

Ion Ratio Lower Upper

95 100

174 93.3 65.6 98.4

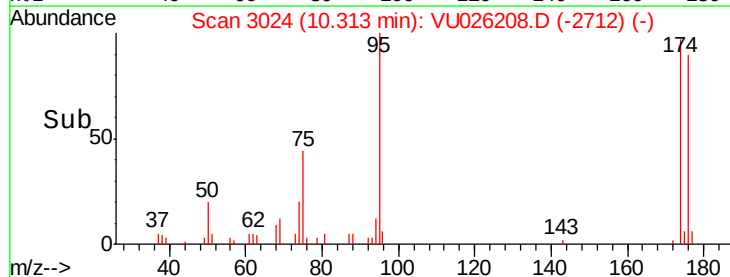
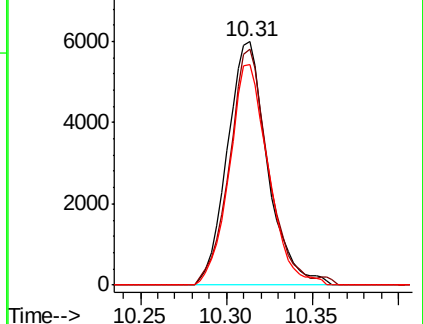
176 88.1 62.0 93.0

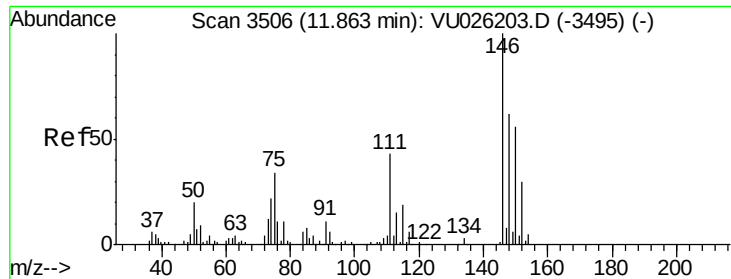


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

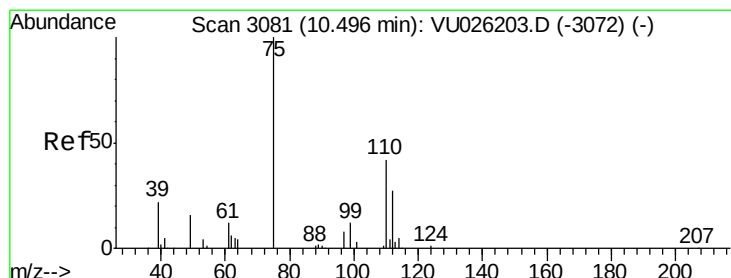
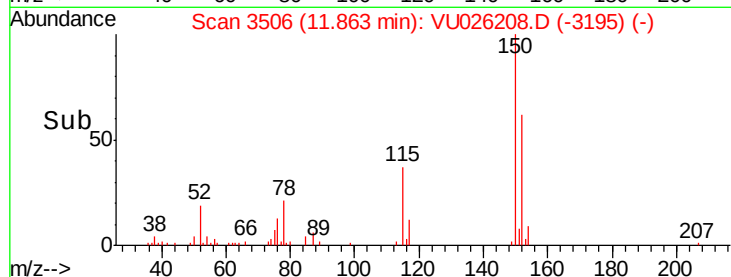
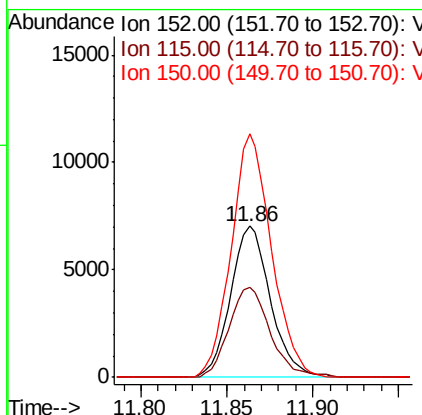
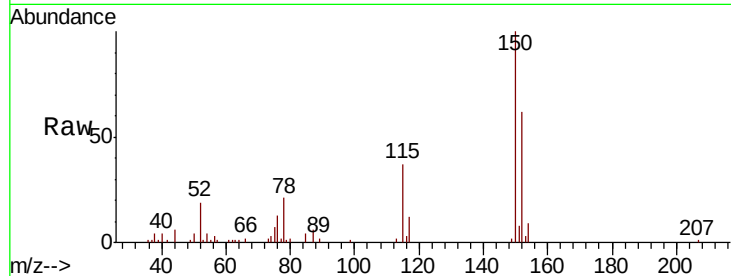




#68
 1,2-Dichlorobenzene-d4
 Concen: N.D. ug/l
 RT: 11.86 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VU026208.D
 Acq: 20 Aug 2018 15:10

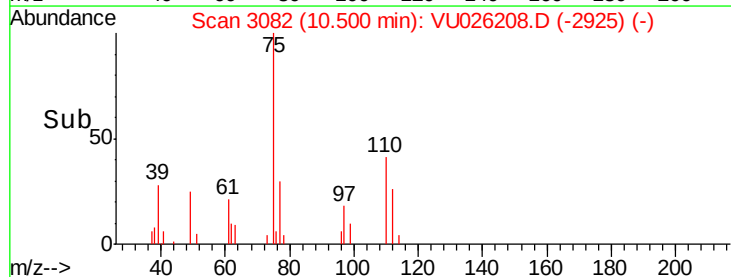
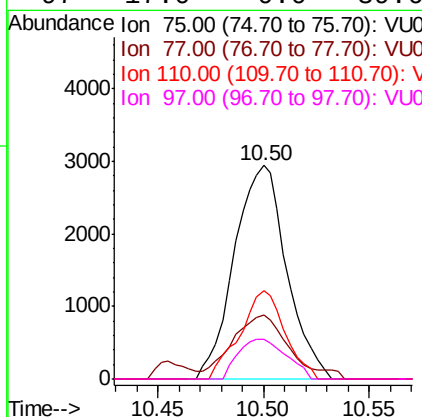
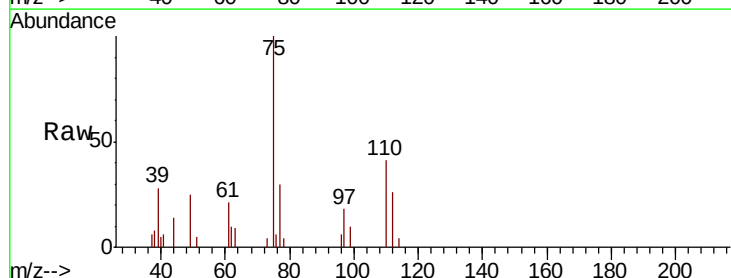
Instrument :
 MSVOA_U
 ClientSampled :

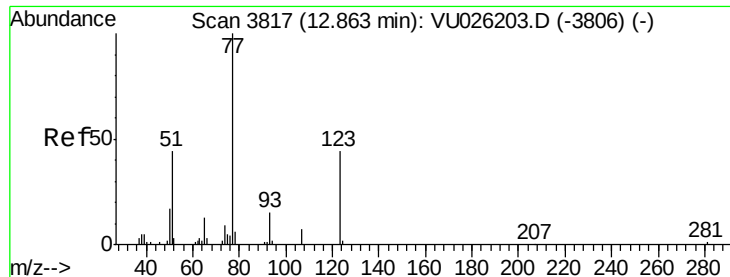
Tot Ion:152 Resp: 11364
 Ion Ratio Lower Upper
 152 100
 115 61.9 0.0 118.8
 150 162.5 0.0 0.0#



#71
 1,2,3-Trichloropropane
 Concen: 0.817 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU026208.D
 Acq: 20 Aug 2018 15:10

Tgt Ion: 75 Resp: 5053
 Ion Ratio Lower Upper
 75 100
 77 33.2 0.0 0.0#
 110 35.5 0.0 74.0
 97 17.0 0.0 39.6





#80

Nitrobenzene

Concen: 2.707 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.21 min

Lab File: VU026208.D

Acq: 20 Aug 2018 15:10

Instrument :

MSVOA_U

ClientSampleId :

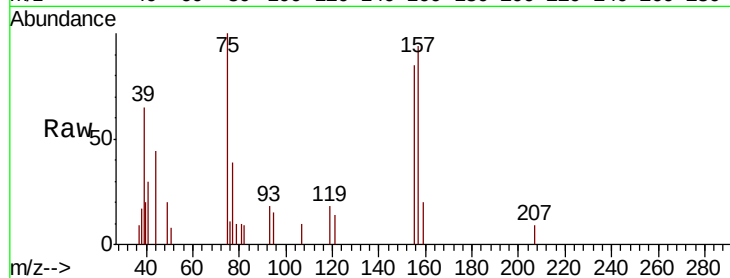
Tot Ion: 77 Resp: 1022

Ion Ratio Lower Upper

77 100

123 0.0 19.4 68.6#

65 0.0 11.2 14.2#



Abundance Ion 77.00 (76.70 to 77.70): VU026208.D (-3753) (-)

Ion 123.00 (122.70 to 123.70): VU026208.D (-3753) (-)

Ion 65.00 (64.70 to 65.70): VU026208.D (-3753) (-)

12.66

600

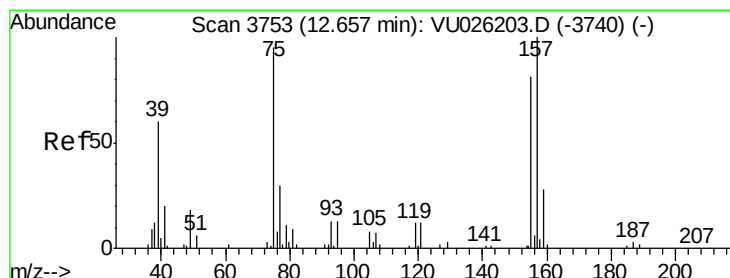
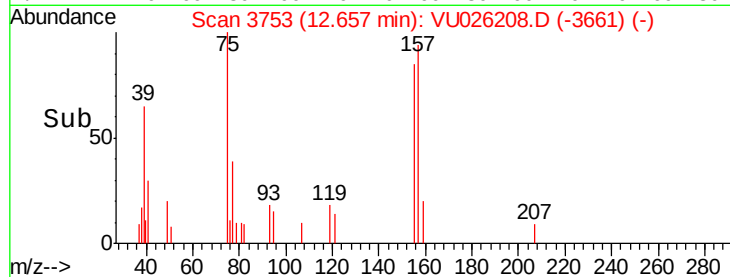
400

200

0

12.65 12.70

Time-->



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.820 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026208.D

Acq: 20 Aug 2018 15:10

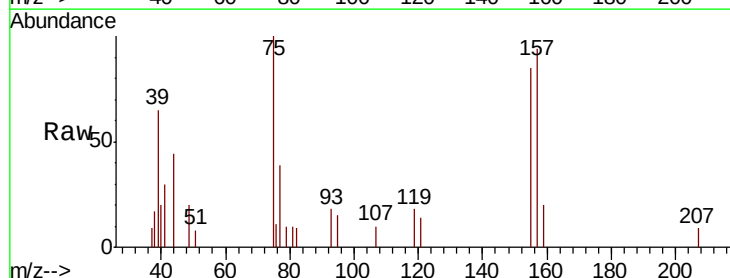
Tgt Ion: 75 Resp: 2767

Ion Ratio Lower Upper

75 100

155 89.2 65.8 98.6

157 107.7 83.5 125.3



Abundance Ion 75.00 (74.70 to 75.70): VU026208.D (-3753) (-)

Ion 155.00 (154.70 to 155.70): VU026208.D (-3753) (-)

Ion 157.00 (156.70 to 157.70): VU026208.D (-3753) (-)

12.66

2500

2000

1500

1000

500

0

12.60 12.65 12.70

Time-->

