

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006553.D
 Acq On : 15 Dec 2018 09:14
 Operator : JC/MD
 Sample : J6398-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-11-121118

Quant Time: Dec 15 22:56:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	629043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1002200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	926717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	432171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	346099	53.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.80%	
35) Dibromofluoromethane	5.51	113	298993	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.16%	
50) Toluene-d8	8.71	98	1188841	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.13	95	435893	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	

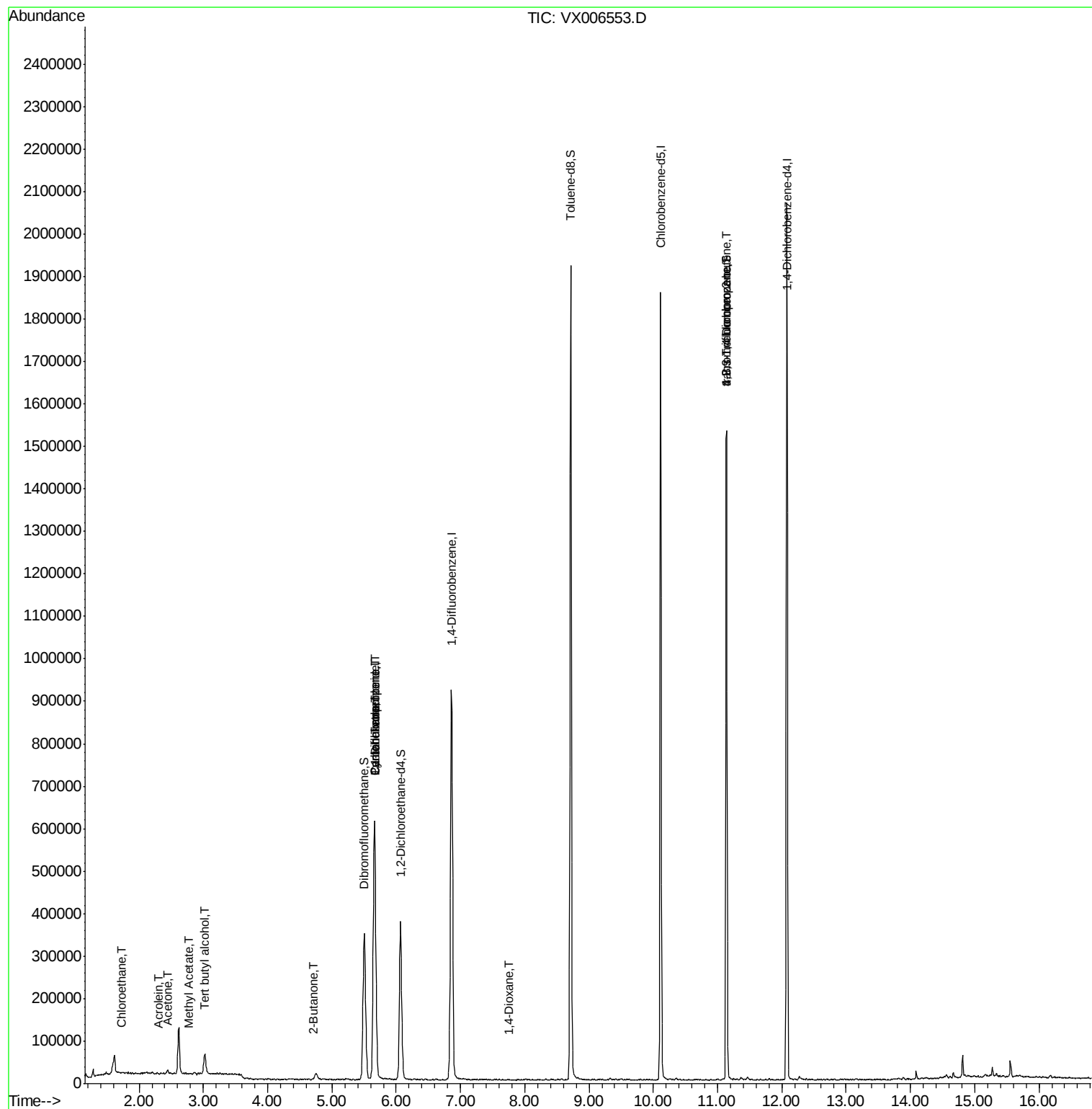
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	904	0.216	ug/l #	79
11) Tert butyl alcohol	3.03	59	29656	16.887	ug/l #	75
13) Acrolein	2.31	56	549	0.572	ug/l #	50
16) Acetone	2.45	43	8646	2.869	ug/l	94
18) Methyl Acetate	2.78	43	2213	0.220	ug/l #	82
25) 2-Butanone	4.71	43	904	0.210	ug/l #	78
31) Cyclohexane	5.67	56	9568	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	41794	4.952	ug/l #	50
38) Carbon Tetrachloride	5.66	117	60155	6.059	ug/l #	15
49) 1,4-Dioxane	7.76	88	146	0.773	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	197180	23.638	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	197180	55.472	ug/l #	15

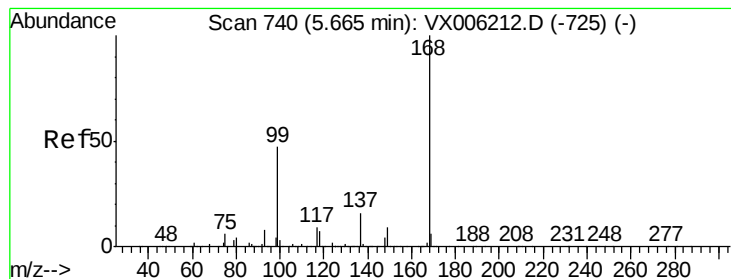
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

Instrument :

MSVOA_X

ClientSampleId :

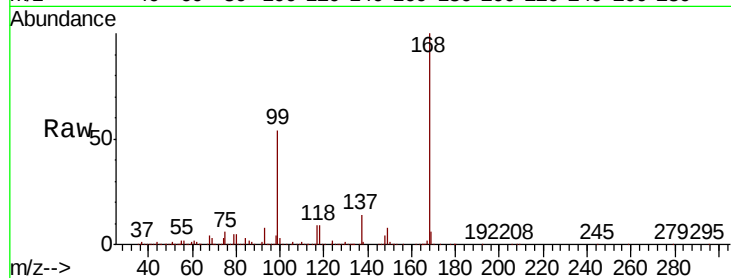
C-MW-11-121118

Tgt Ion: 168 Resp: 629043

Ion Ratio Lower Upper

168 100

99 54.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

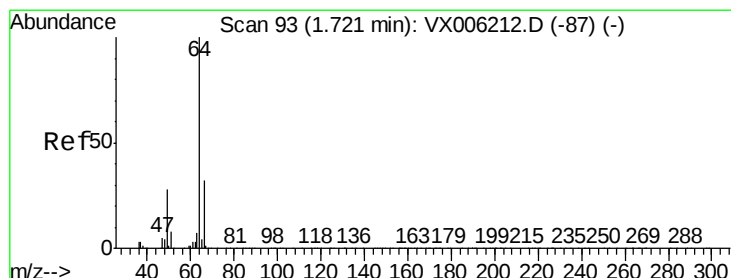
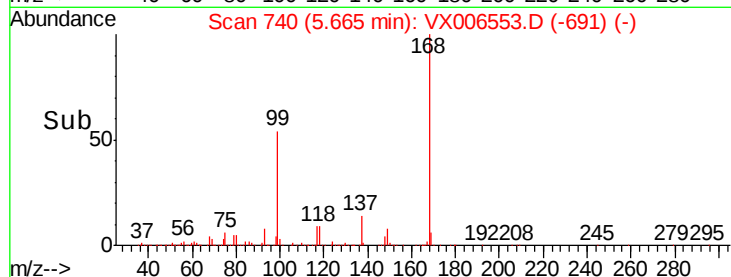
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX006553.D

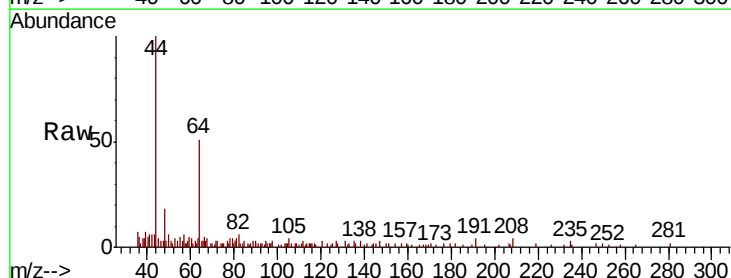
Acq: 15 Dec 2018 09:14

Tgt Ion: 64 Resp: 904

Ion Ratio Lower Upper

64 100

66 20.6 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

3000

2500

2000

1500

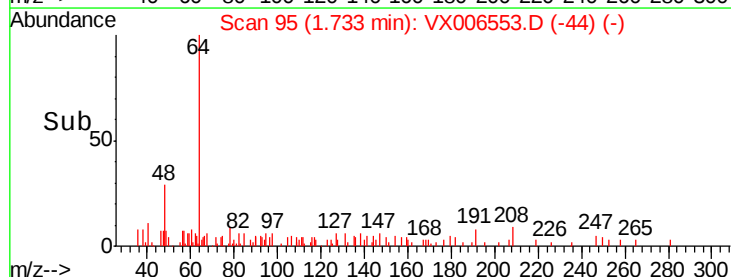
1000

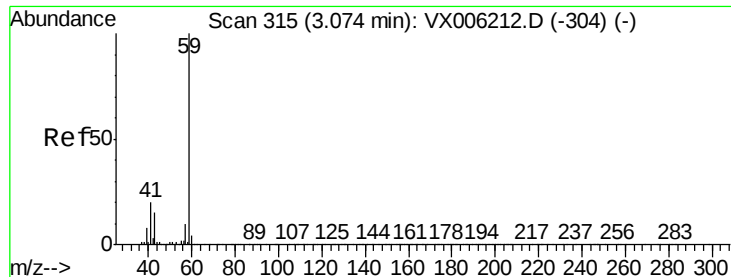
500

0

Time-->

1.71 1.72 1.73 1.74



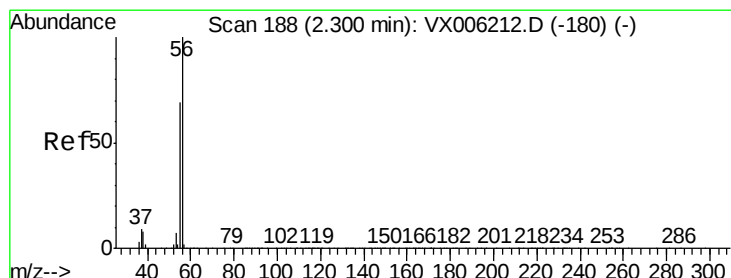
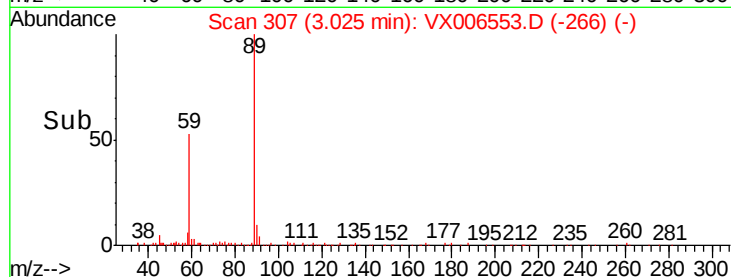
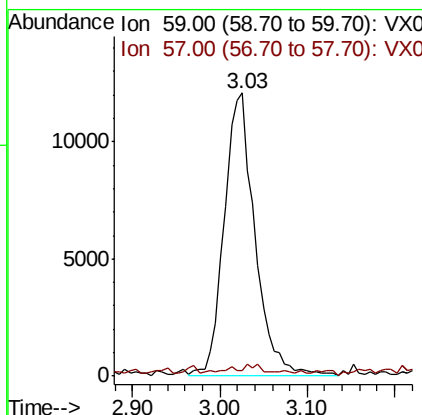
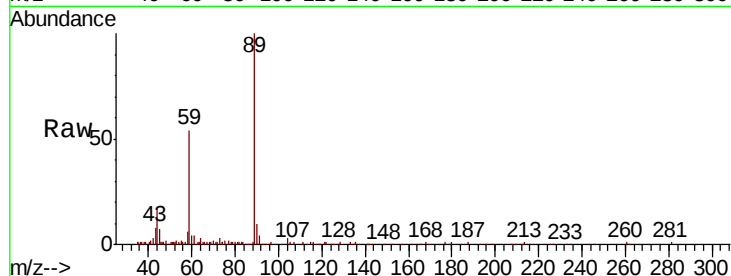


#11

Tert butyl alcohol
Concen: 16.887 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006553.D
Acq: 15 Dec 2018 09:14

Instrument :
MSVOA_X
ClientSampleId :
C-MW-11-121118

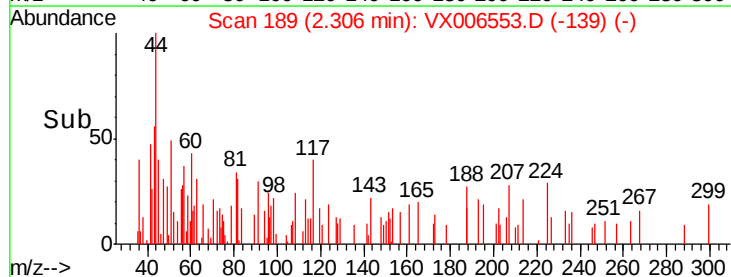
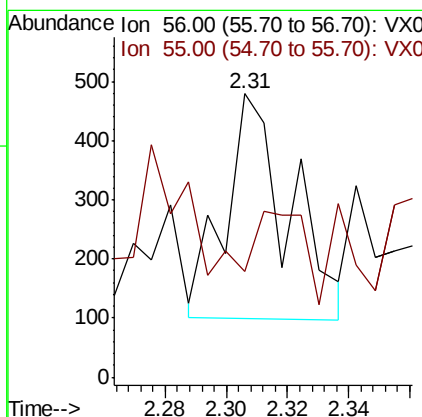
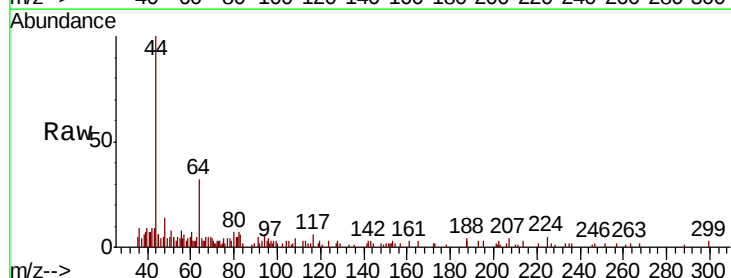
Tgt Ion: 59 Resp: 29656
Ion Ratio Lower Upper
59 100
57 1.0 8.2 12.2#

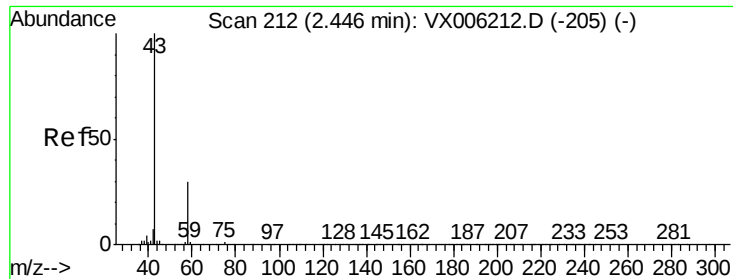


#13

Acrolein
Concen: 0.572 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006553.D
Acq: 15 Dec 2018 09:14

Tgt Ion: 56 Resp: 549
Ion Ratio Lower Upper
56 100
55 30.6 57.8 86.6#

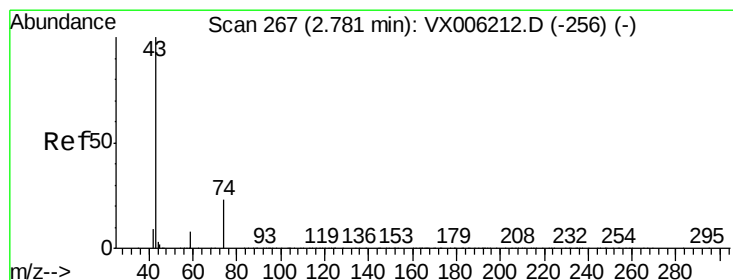
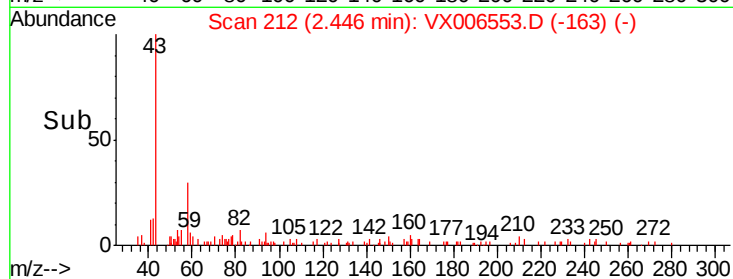
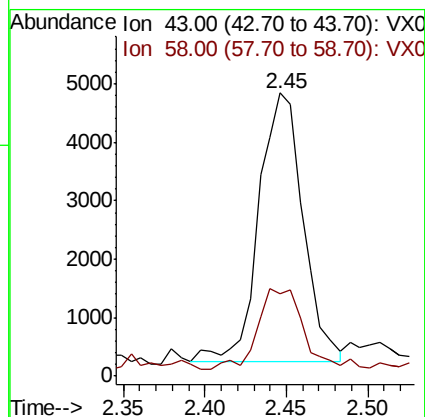
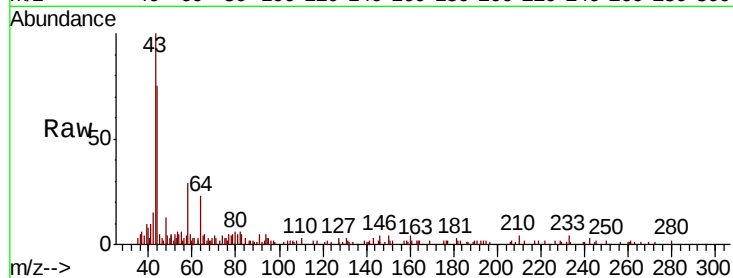




#16
Acetone
Concen: 2.869 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006553.D
Acq: 15 Dec 2018 09:14

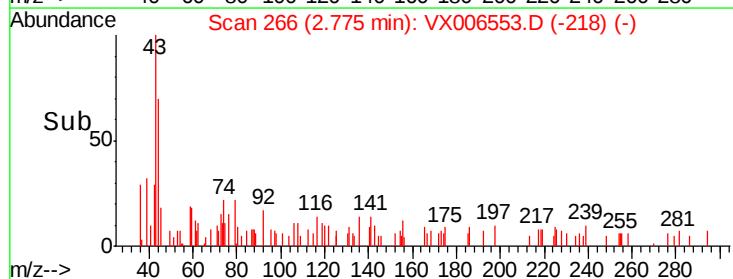
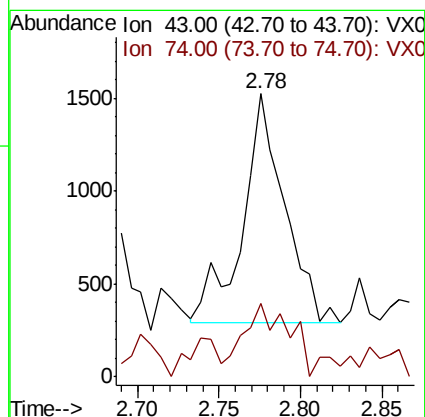
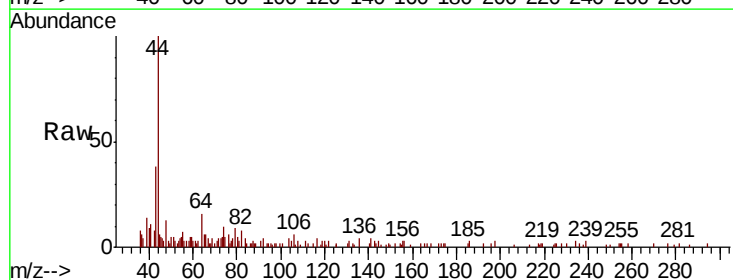
Instrument :
MSVOA_X
ClientSampleId :
C-MW-11-121118

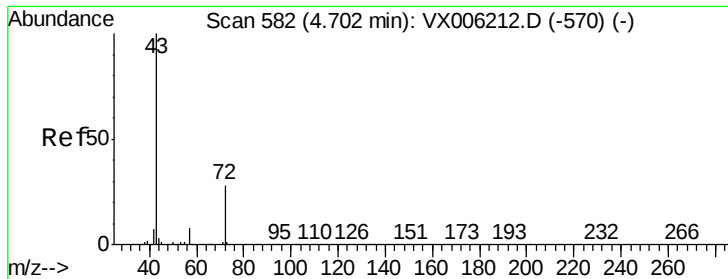
Tgt Ion: 43 Resp: 8646
Ion Ratio Lower Upper
43 100
58 26.7 24.0 36.0



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006553.D
Acq: 15 Dec 2018 09:14

Tgt Ion: 43 Resp: 2213
Ion Ratio Lower Upper
43 100
74 31.2 17.9 26.9#

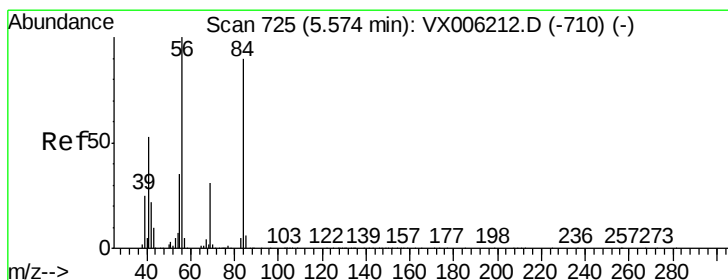
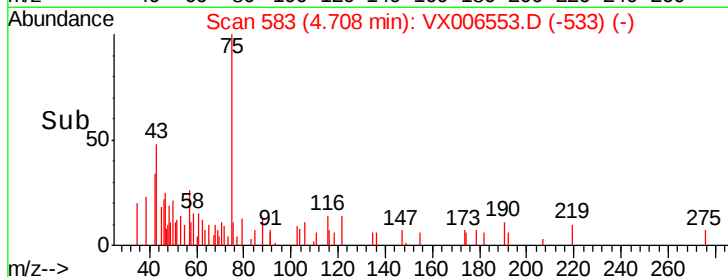
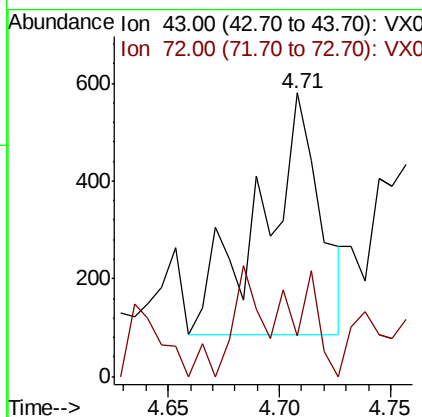
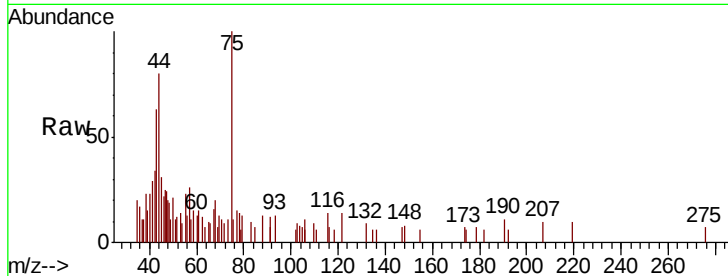




#25
2-Butanone
Concen: 0.210 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006553.D
Acq: 15 Dec 2018 09:14

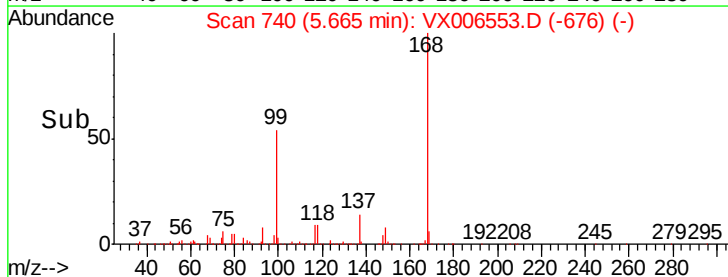
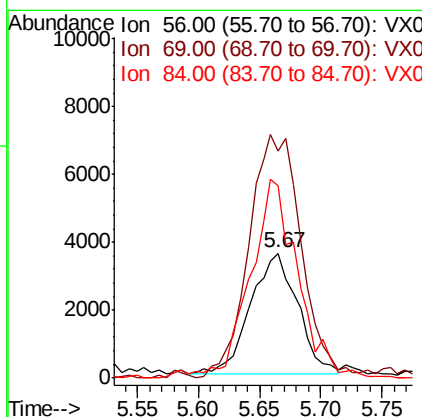
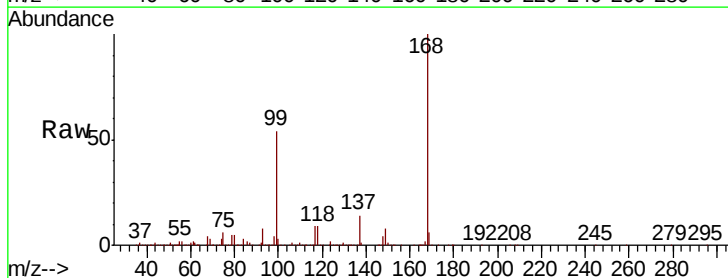
Instrument :
MSVOA_X
ClientSampleId :
C-MW-11-121118

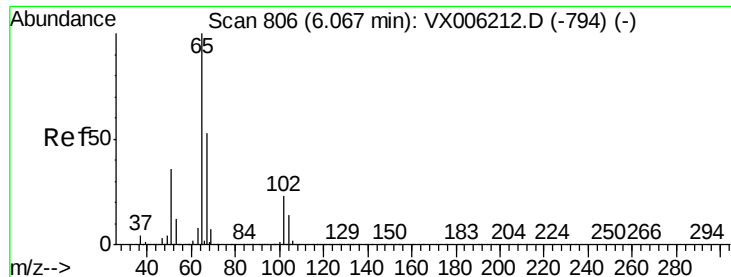
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
72 16.6 22.6 33.8#



#31
Cyclohexane
Concen: 1.031 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006553.D
Acq: 15 Dec 2018 09:14

Tgt Ion: 56 Resp: 9568
Ion Ratio Lower Upper
56 100
69 185.6 24.5 36.7#
84 156.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 53.897 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

Instrument :

MSVOA_X

ClientSampleId :

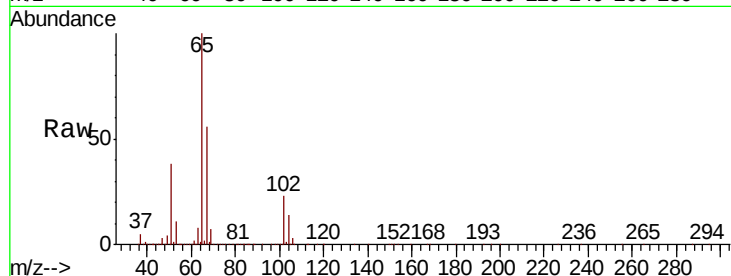
C-MW-11-121118

Tgt Ion: 65 Resp: 346099

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

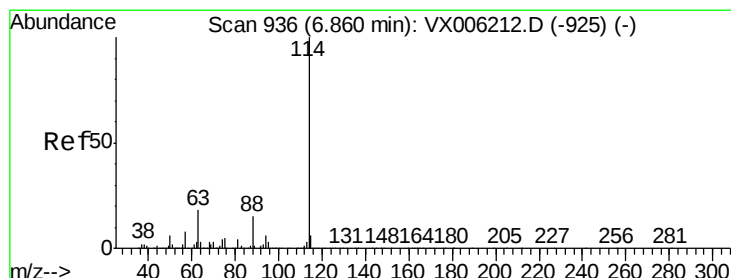
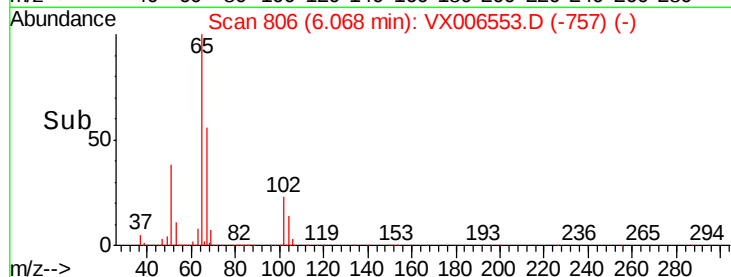
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

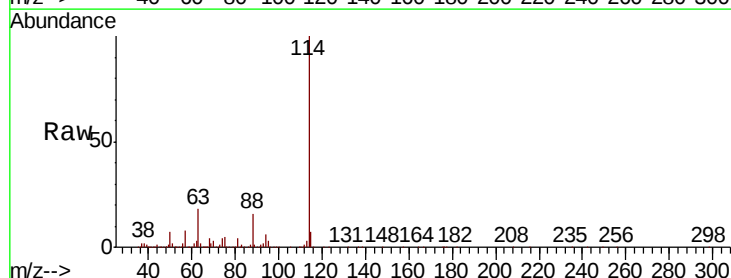
Tgt Ion: 114 Resp: 1002200

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

88 15.5 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

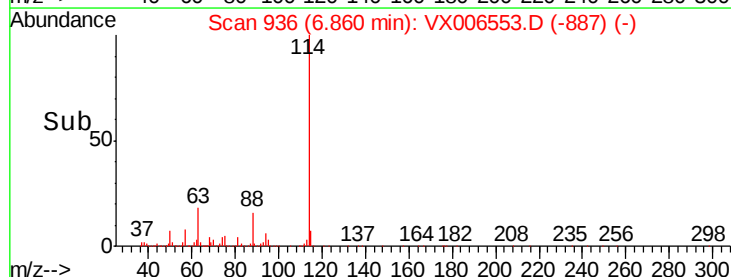
300000

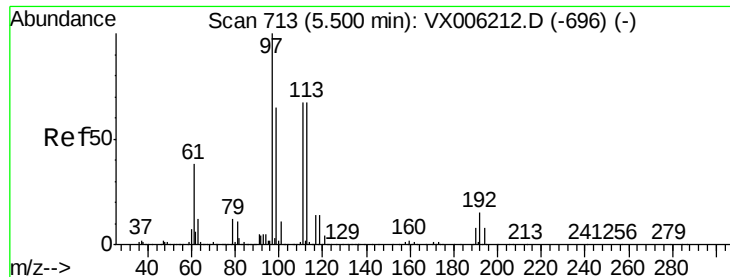
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.078 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

Instrument :

MSVOA_X

ClientSampleId :

C-MW-11-121118

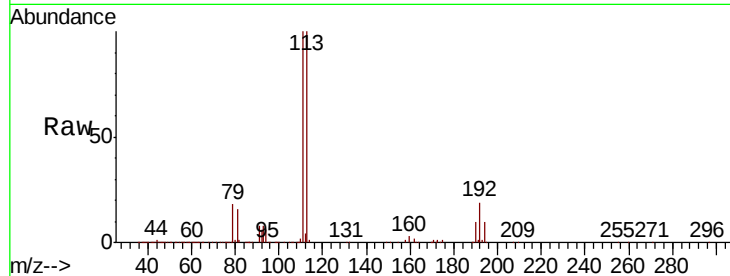
Tgt Ion: 113 Resp: 298993

Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

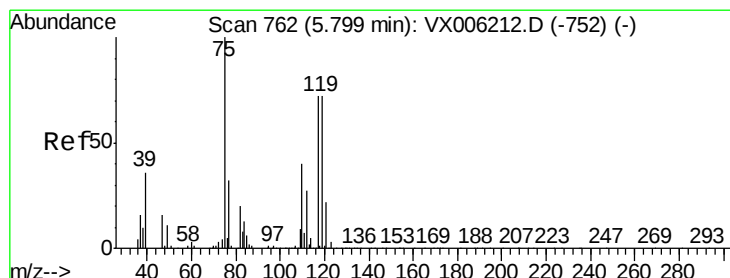
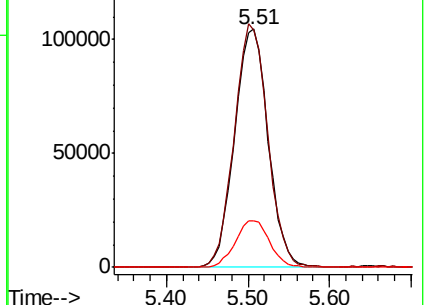
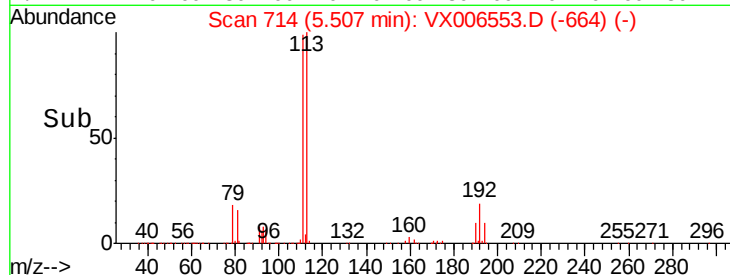
192 20.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

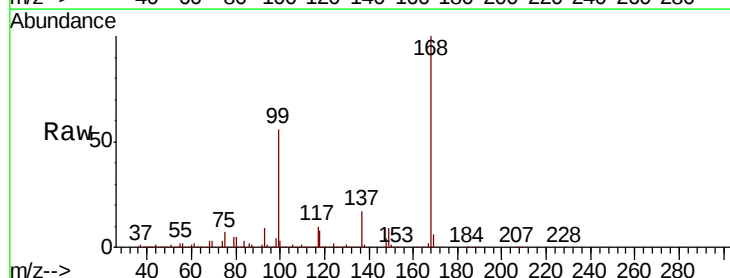
Tgt Ion: 75 Resp: 41794

Ion Ratio Lower Upper

75 100

110 11.7 20.4 61.3#

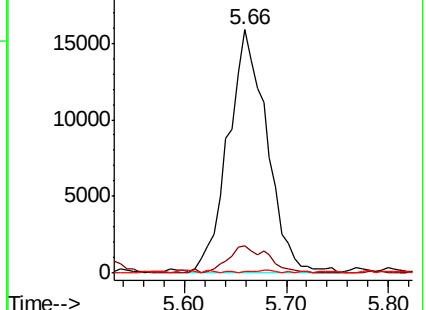
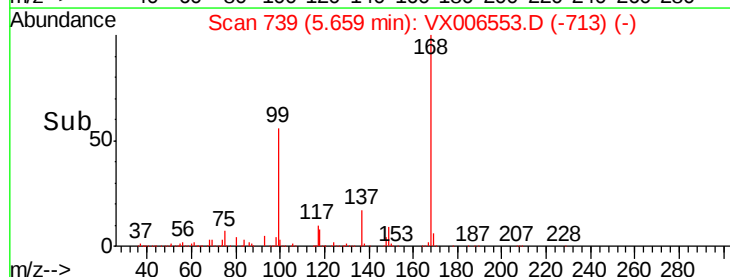
77 0.7 24.9 37.3#

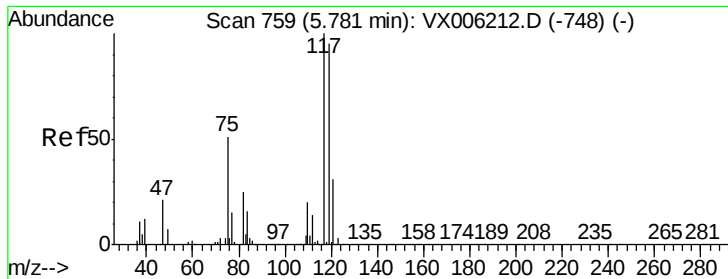


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

Instrument :

MSVOA_X

ClientSampleId :

C-MW-11-121118

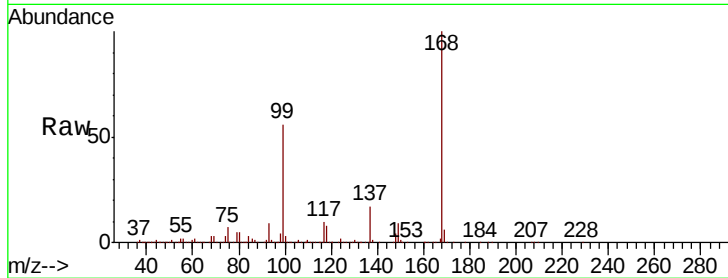
Tgt Ion: 117 Resp: 60155

Ion Ratio Lower Upper

117 100

119 2.6 75.8 113.8#

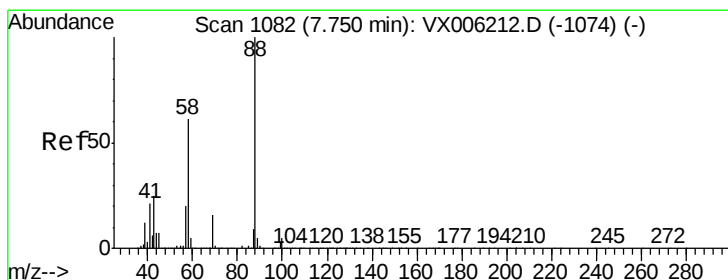
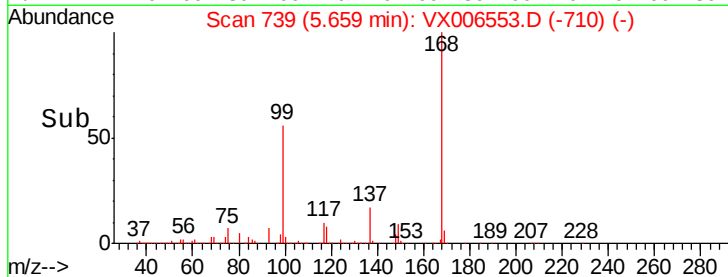
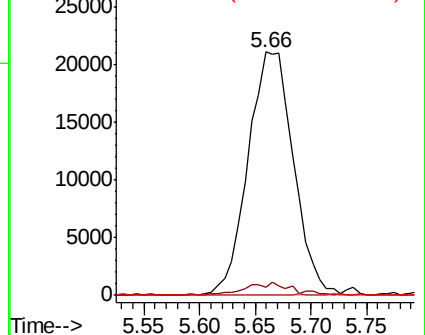
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.773 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

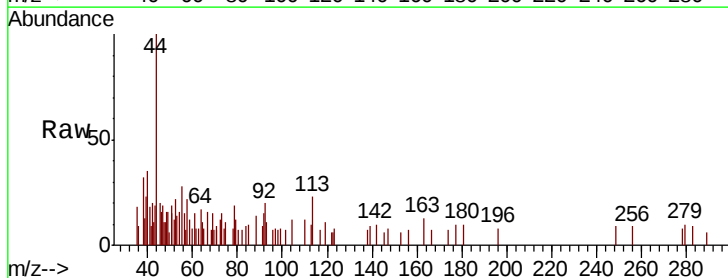
Tgt Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

43 90.4 23.2 34.8#

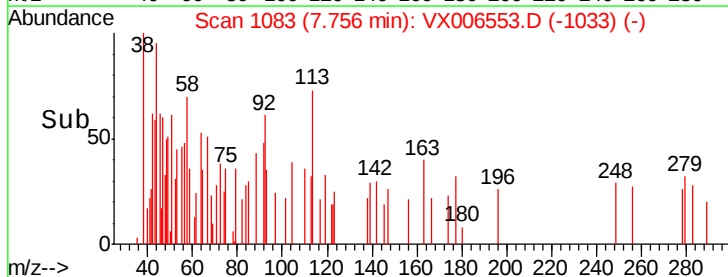
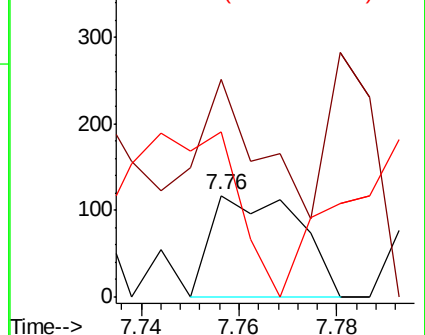
58 213.0 51.4 77.0#

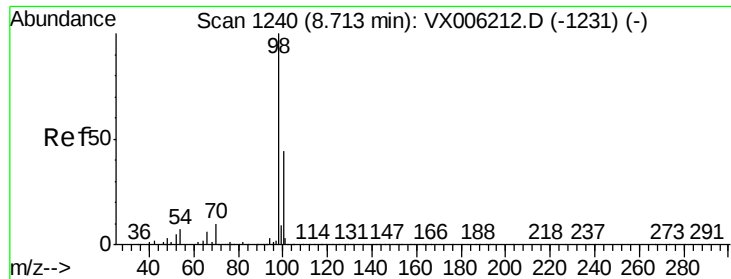


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.369 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

Instrument :

MSVOA_X

ClientSampleId :

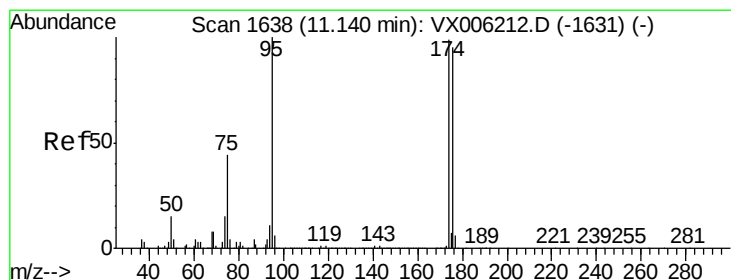
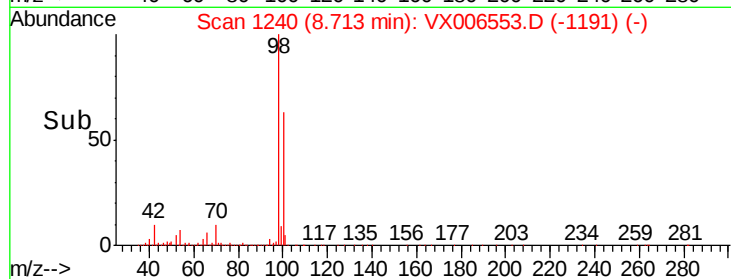
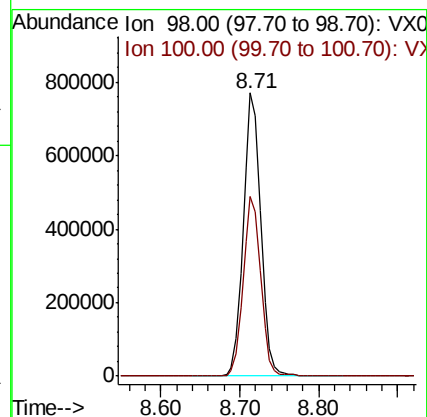
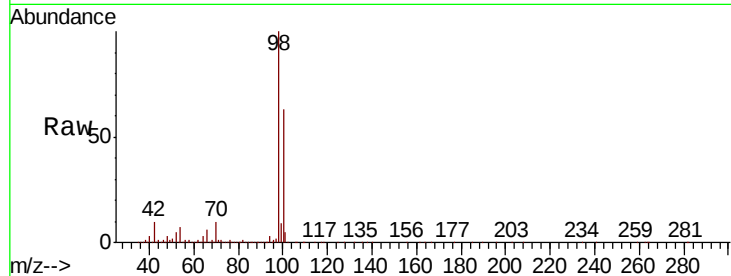
C-MW-11-121118

Tgt Ion: 98 Resp: 1188841

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.009 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

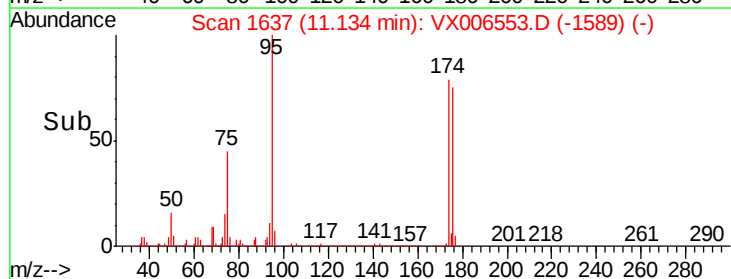
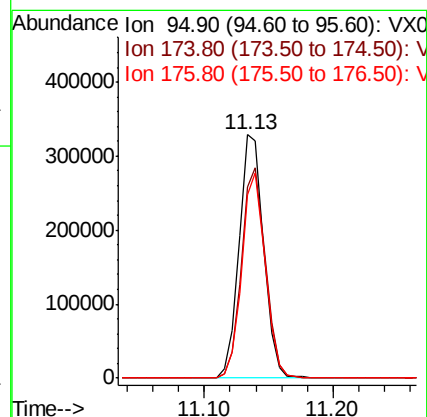
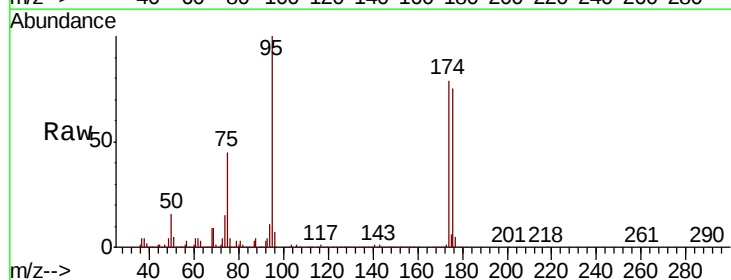
Tgt Ion: 95 Resp: 435893

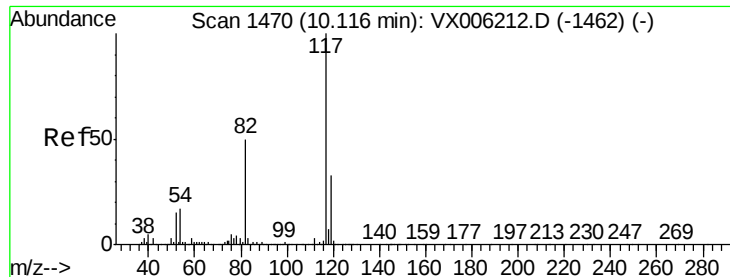
Ion Ratio Lower Upper

95 100

174 84.7 0.0 187.0

176 81.1 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

Instrument :

MSVOA_X

ClientSampleId :

C-MW-11-121118

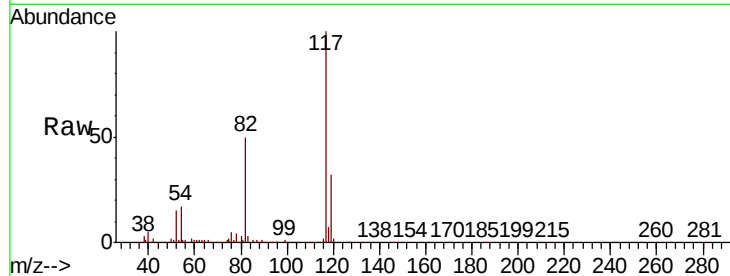
Tgt Ion:117 Resp: 926717

Ion Ratio Lower Upper

117 100

82 49.9 39.6 59.4

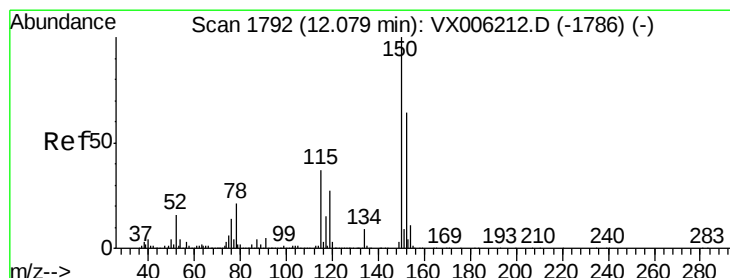
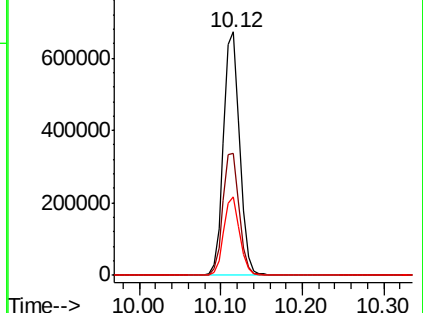
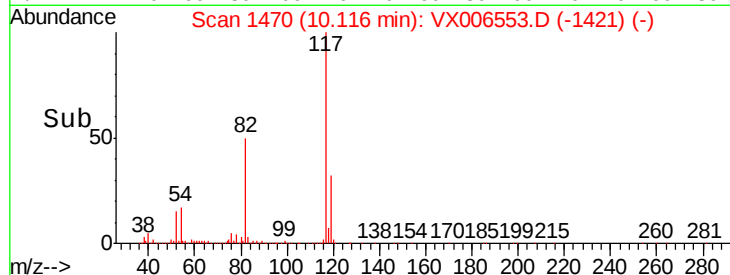
119 32.4 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006553.D

Acq: 15 Dec 2018 09:14

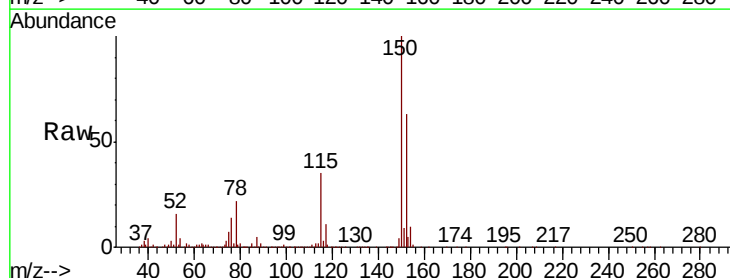
Tgt Ion:152 Resp: 432171

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

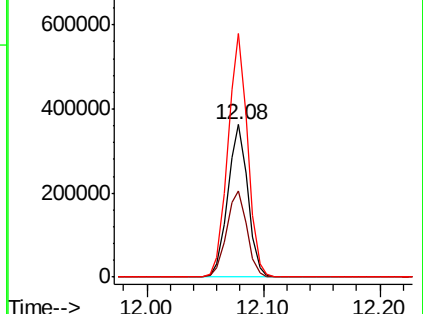
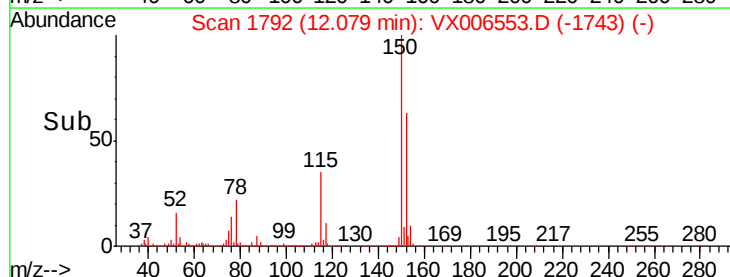
150 157.0 0.0 345.8

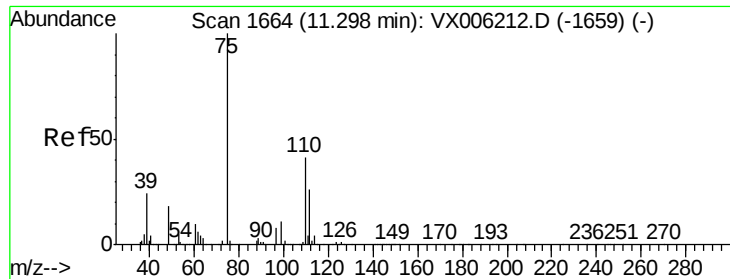


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

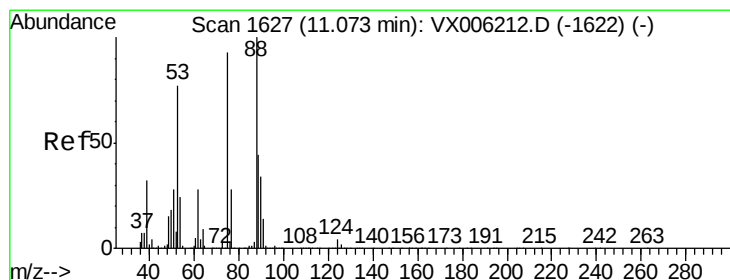
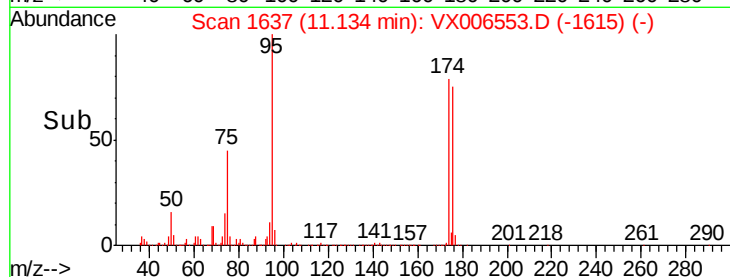
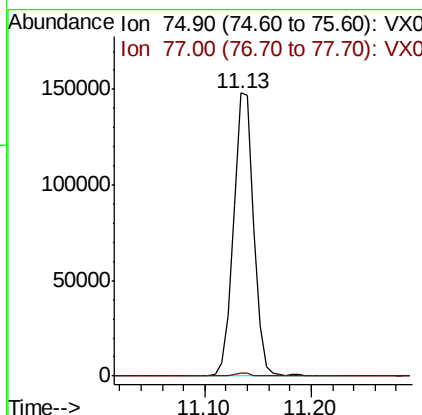
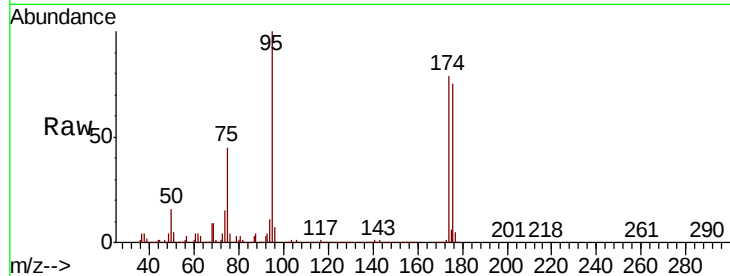




#76
 1,2,3-Trichloropropane
 Concen: 23.638 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006553.D
 Acq: 15 Dec 2018 09:14

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-11-121118

Tgt Ion: 75 Resp: 197180
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.472 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006553.D
 Acq: 15 Dec 2018 09:14

Tgt Ion: 75 Resp: 197180
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.4 96.6#
 89 0.0 44.2 66.4#

