

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120318\
 Data File : VX006253.D
 Acq On : 03 Dec 2018 15:10
 Operator : JC/MD
 Sample : J6153-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-H

Quant Time: Dec 04 10:07:31 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

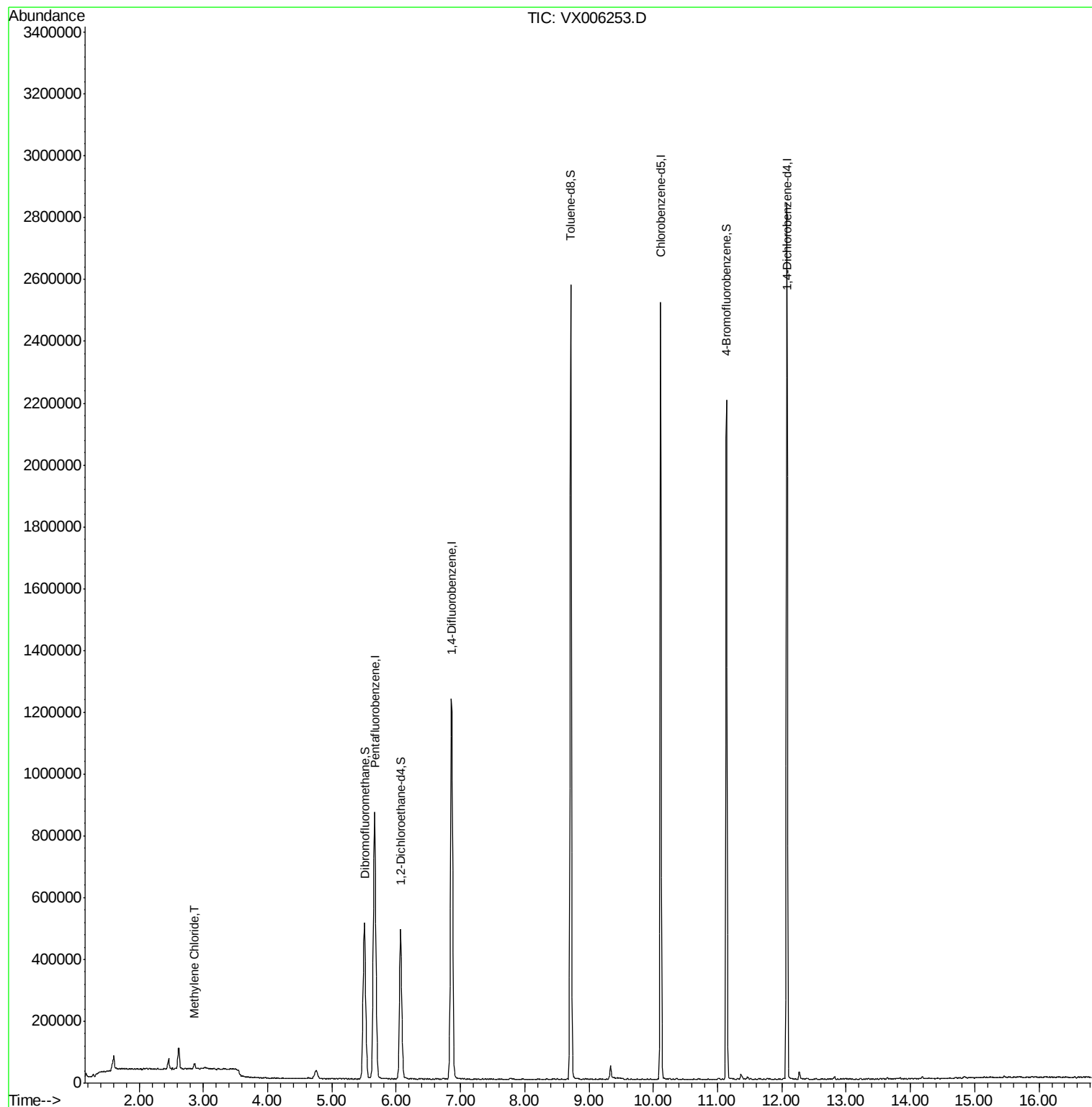
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	899613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1363324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1241490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	603955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	451497	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
35) Dibromofluoromethane	5.51	113	435787	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	1583985	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.13	95	581417	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
Target Compounds						
20) Methylene Chloride	2.86	84	9856	1.075	ug/l	Qvalue 96

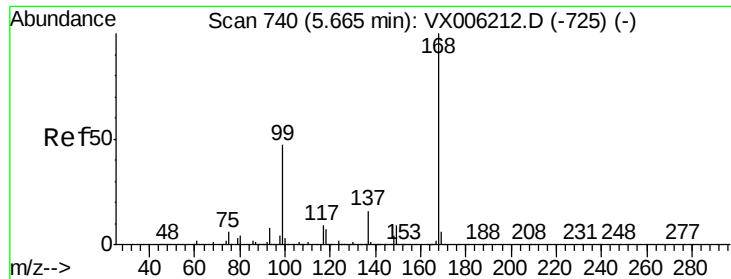
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006253.D

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Instrument :

MSVOA_X

ClientSampleId :

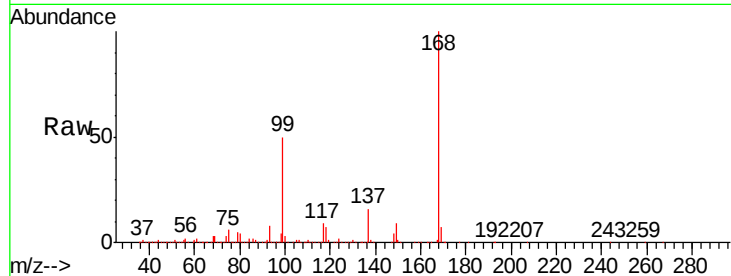
MH-H

Tgt Ion:168 Resp: 899613

Ion Ratio Lower Upper

168 100

99 49.6 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

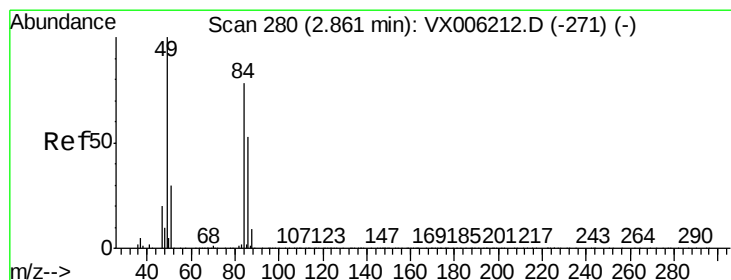
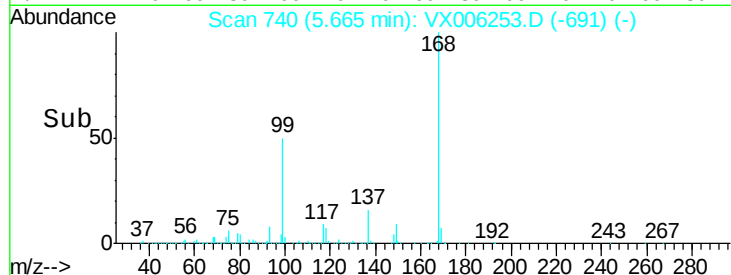
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 1.075 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006253.D

Acq: 03 Dec 2018 15:10

Tgt Ion: 84 Resp: 9856

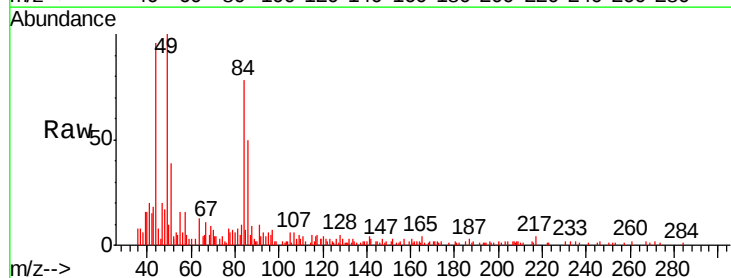
Ion Ratio Lower Upper

84 100

49 127.8 102.2 153.4

51 44.6 31.1 46.7

86 60.6 53.7 80.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

8000

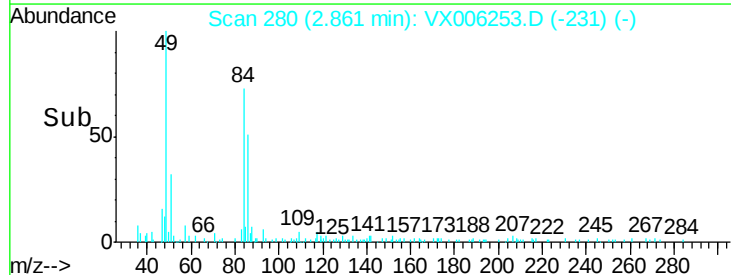
6000

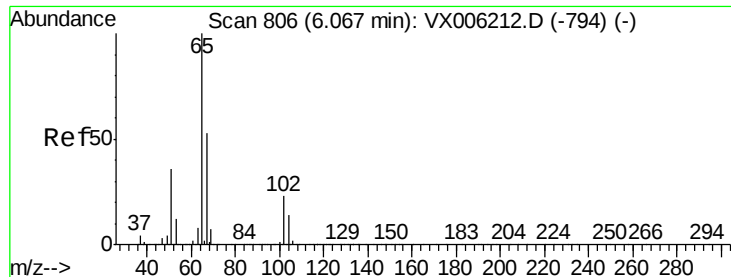
4000

2000

0

Time--> 2.75 2.80 2.85 2.90 2.95





#33

1,2-Dichloroethane-d4

Concen: 49.163 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006253.D

Acq: 03 Dec 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

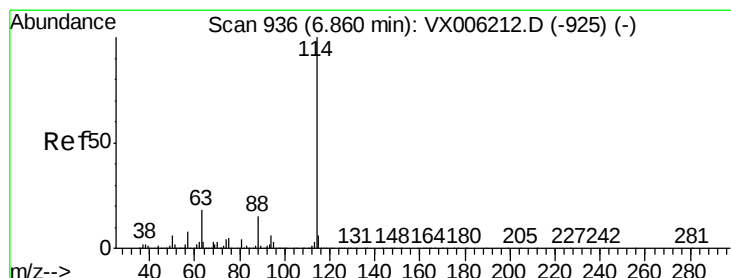
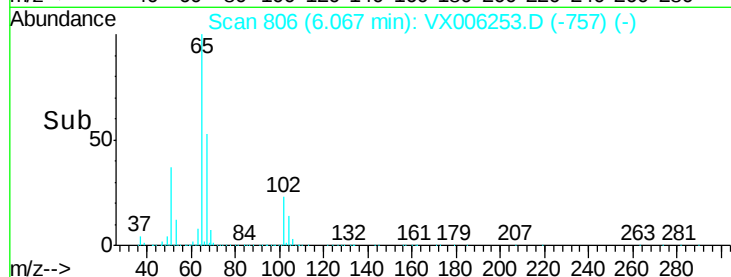
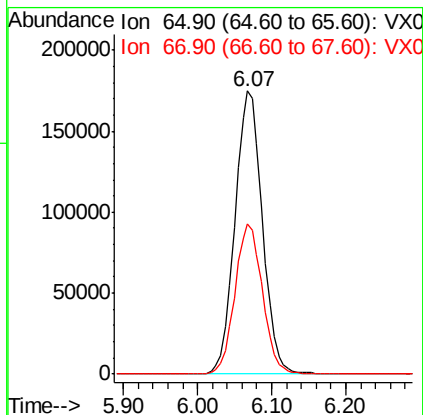
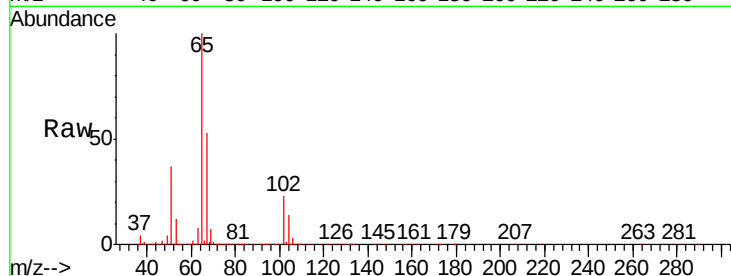
MH-H

Tgt Ion: 65 Resp: 451497

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006253.D

Acq: 03 Dec 2018 15:10

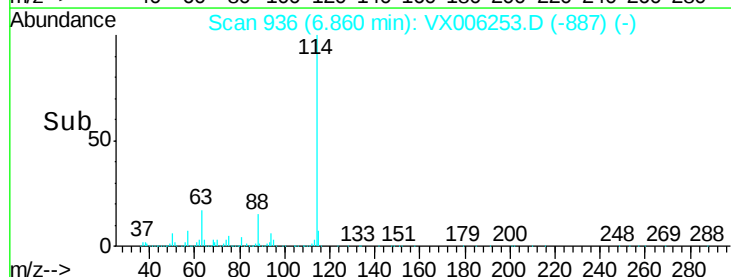
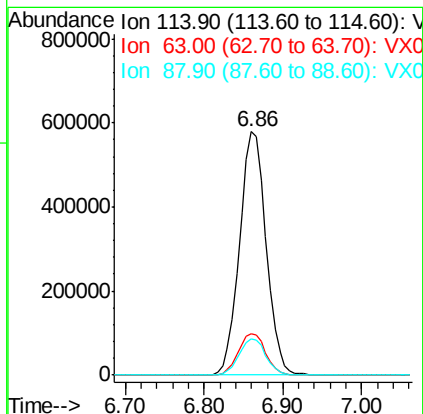
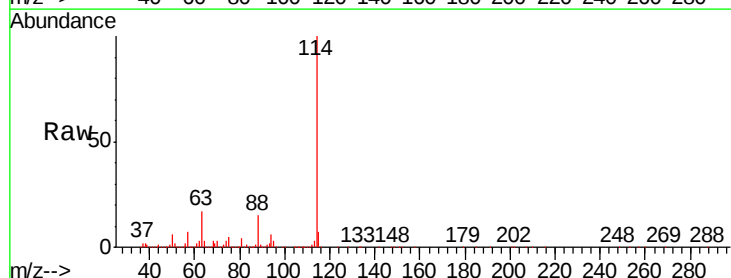
Tgt Ion: 114 Resp: 1363324

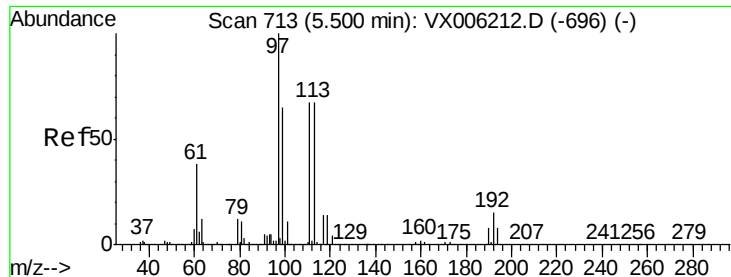
Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.370 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006253.D

Acq: 03 Dec 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

MH-H

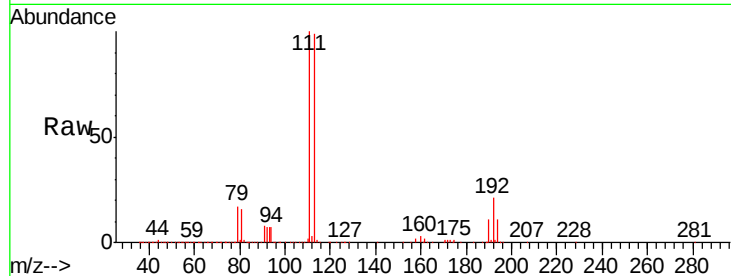
Tgt Ion:113 Resp: 435787

Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

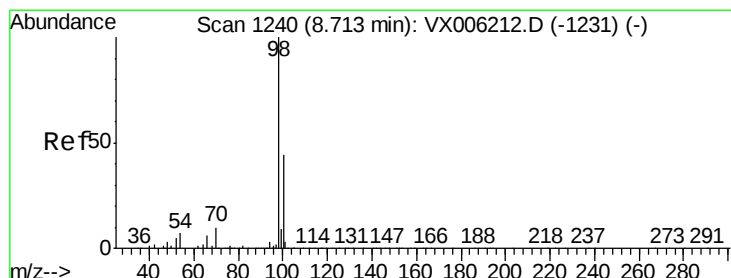
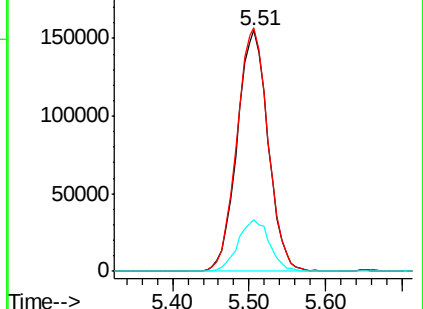
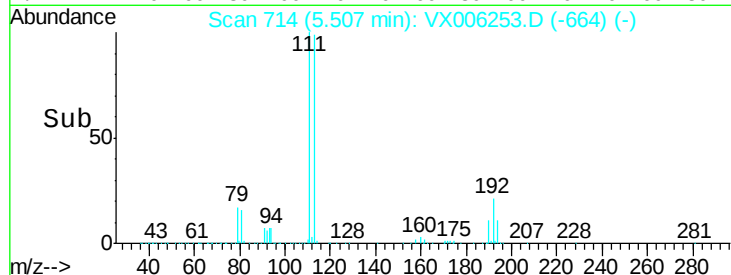
192 21.8 18.2 27.2



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



#50

Toluene-d8

Concen: 49.334 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006253.D

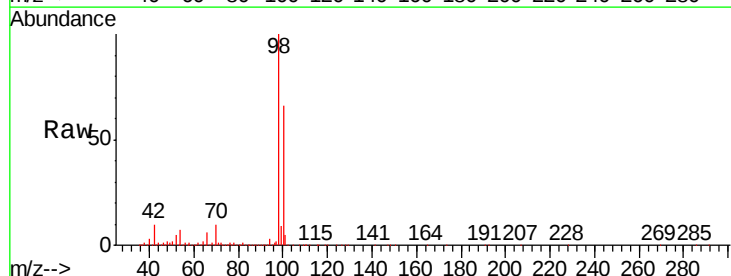
Acq: 03 Dec 2018 15:10

Tgt Ion: 98 Resp: 1583985

Ion Ratio Lower Upper

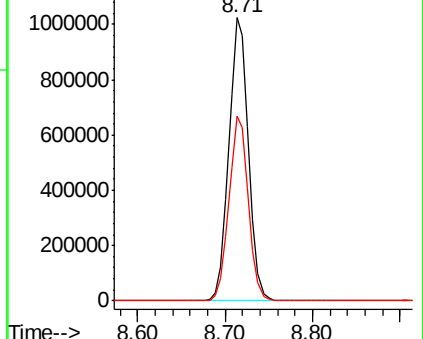
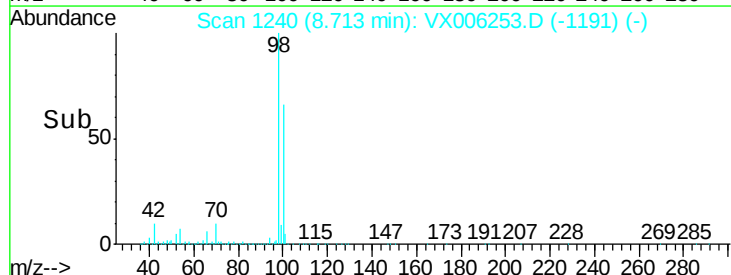
98 100

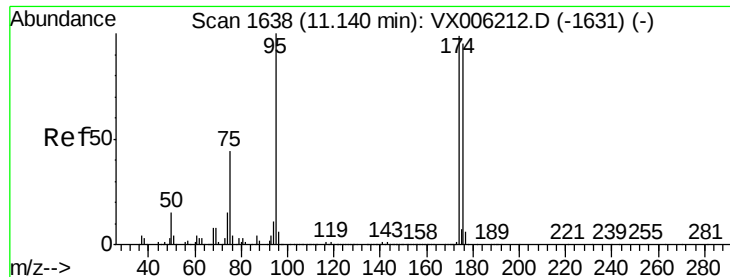
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006253.D

Acq: 03 Dec 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

MH-H

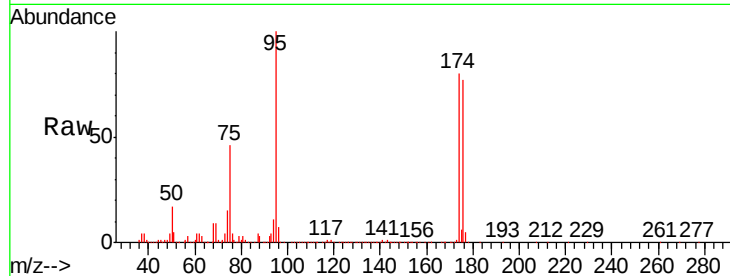
Tgt Ion: 95 Resp: 581417

Ion Ratio Lower Upper

95 100

174 90.5 0.0 187.0

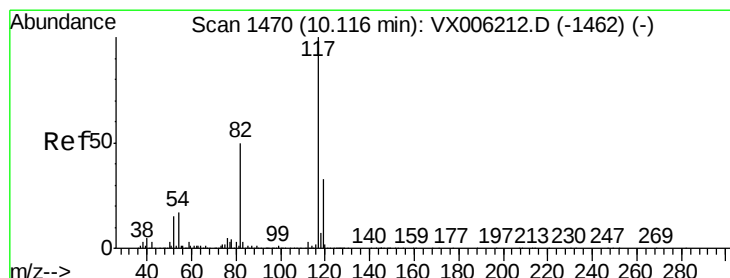
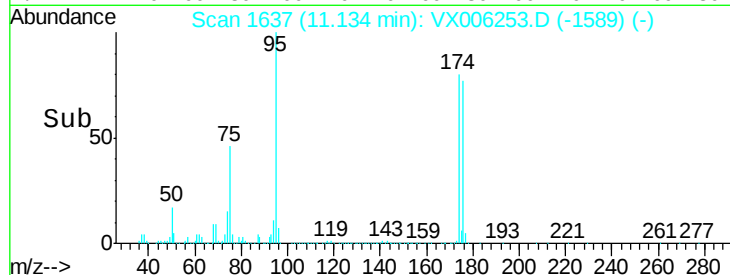
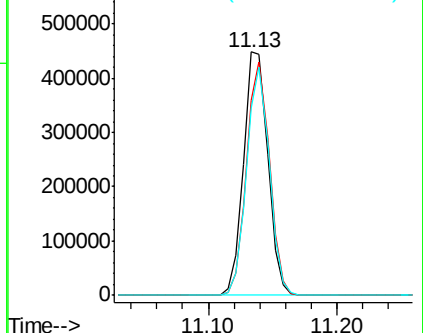
176 87.8 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006253.D

Acq: 03 Dec 2018 15:10

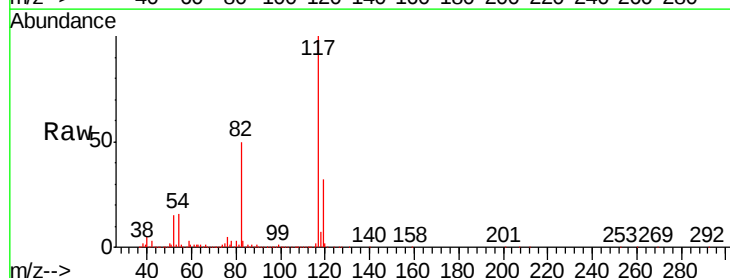
Tgt Ion: 117 Resp: 1241490

Ion Ratio Lower Upper

117 100

82 49.6 39.6 59.4

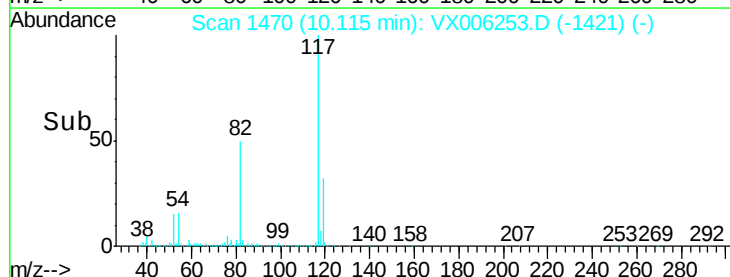
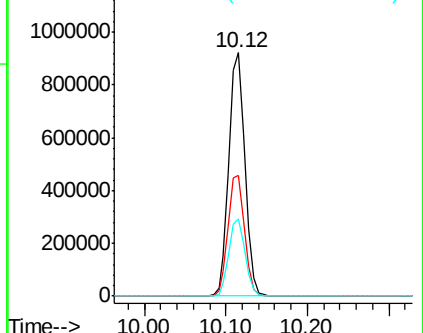
119 31.9 26.3 39.5

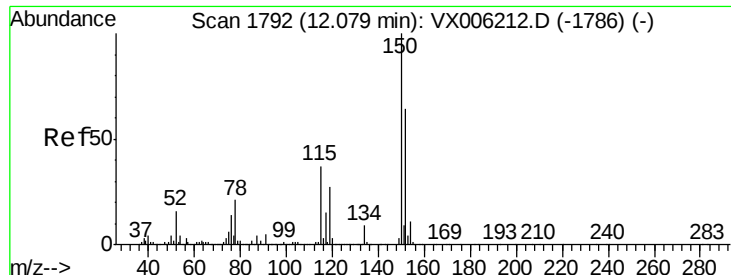


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX006253.D

Acq: 03 Dec 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

MH-H

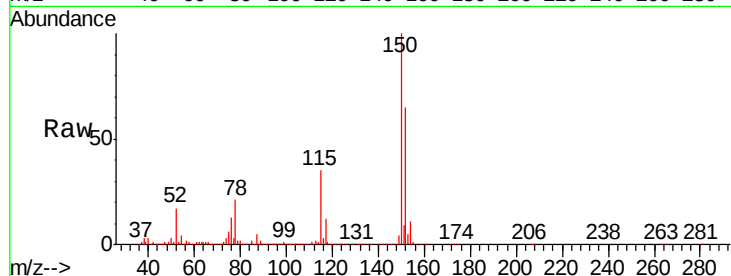
Tgt Ion:152 Resp: 603955

Ion Ratio Lower Upper

152 100

115 55.7 39.0 116.9

150 156.4 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

