

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003033.D
 Acq On : 29 Jun 2018 17:11
 Operator : JC/MD
 Sample : J3695-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-6

Quant Time: Jun 30 09:11:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183804	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	168633	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.20%	
35) Dibromofluoromethane	5.51	113	139046	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
50) Toluene-d8	8.72	98	501560	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.14	95	172921	43.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.20%	

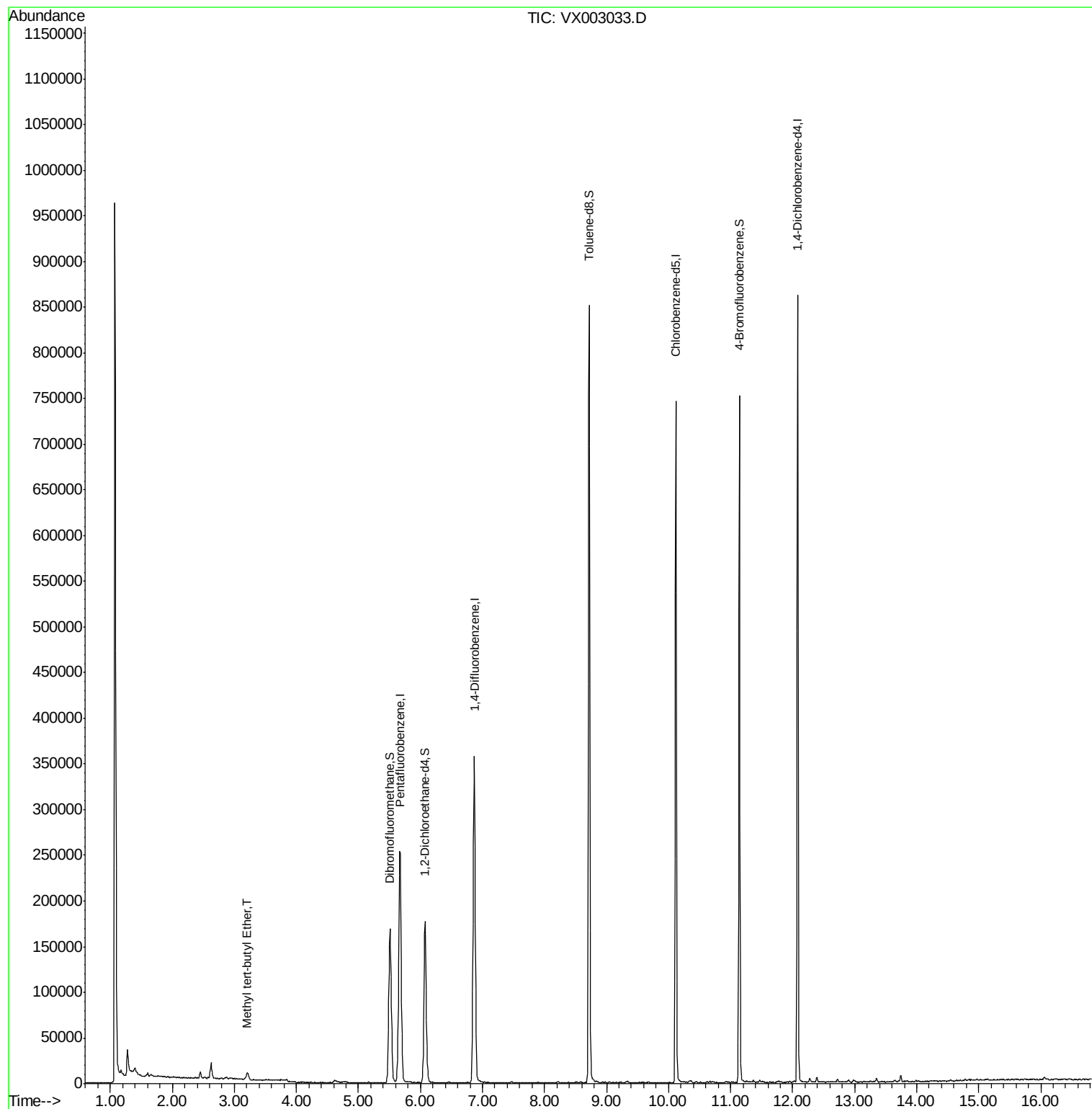
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.21	73	8339	0.90	ug/l	94

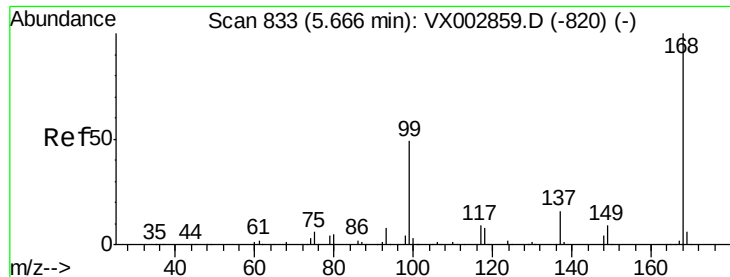
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003033.D

Acq: 29 Jun 2018 17:11

Instrument :

MSVOA_X

ClientSampled :

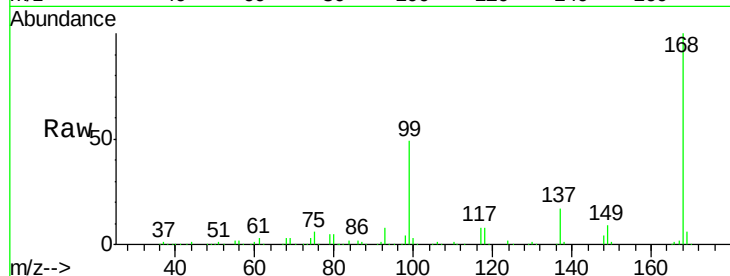
PZ-6

Tot Ion:168 Resp: 261820

Ion Ratio Lower Upper

168 100

99 49.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

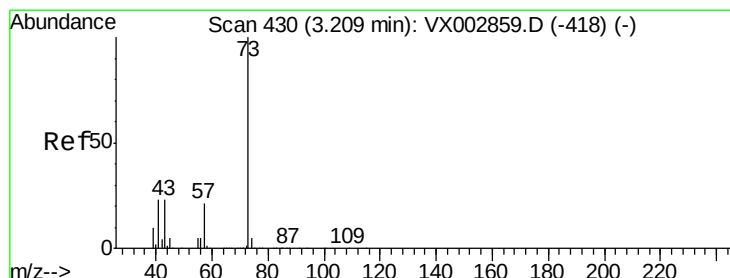
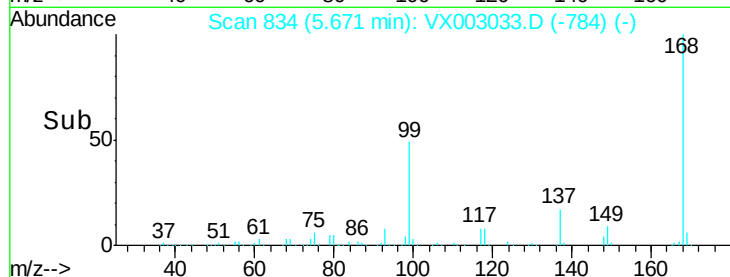
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 0.90 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX003033.D

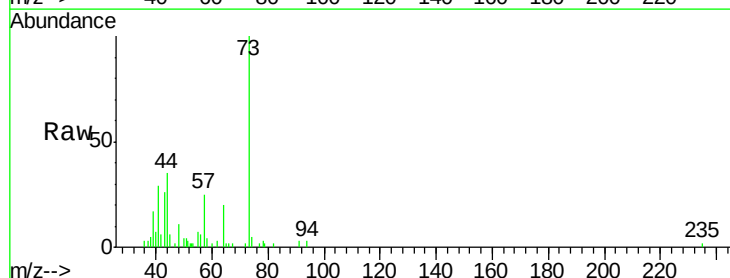
Acq: 29 Jun 2018 17:11

Tgt Ion: 73 Resp: 8339

Ion Ratio Lower Upper

73 100

57 25.0 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

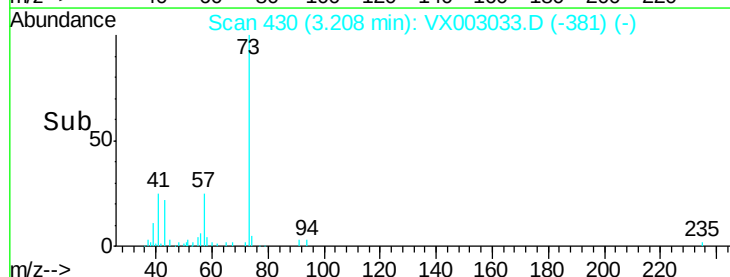
3000

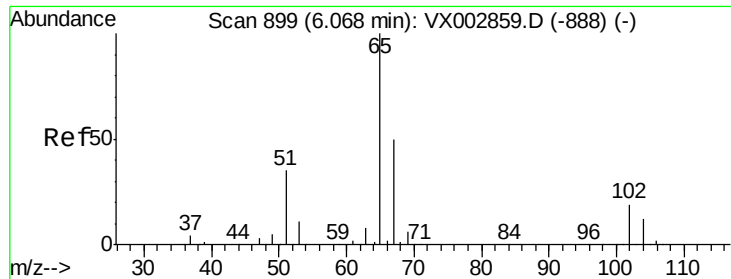
2000

1000

0

Time--> 3.10 3.15 3.20 3.25 3.30

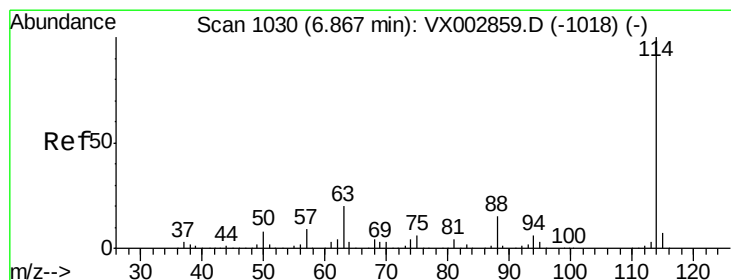
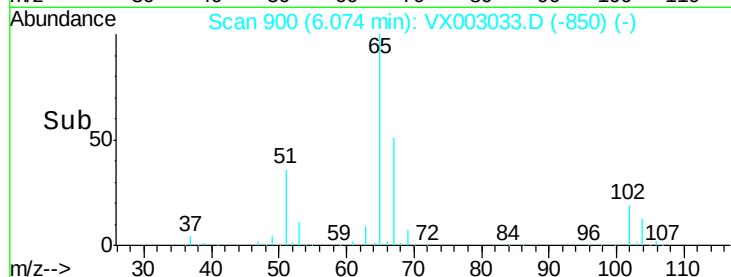
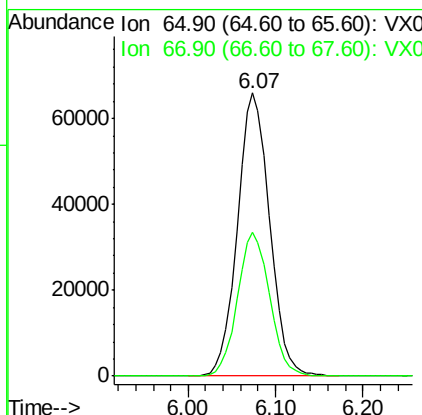
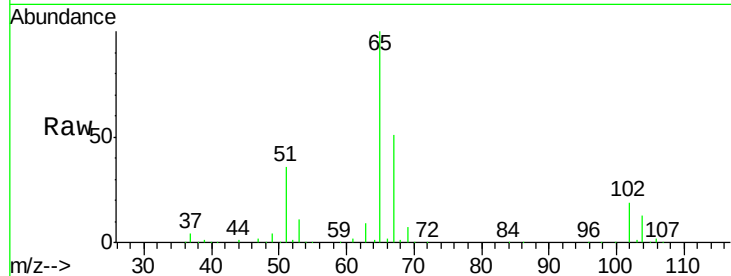




#33
 1,2-Dichloroethane-d4
 Concen: 46.60 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003033.D
 Acq: 29 Jun 2018 17:11

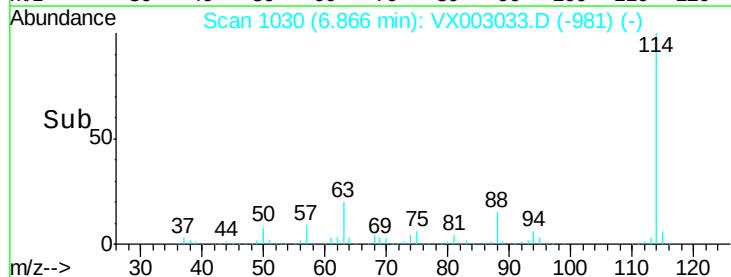
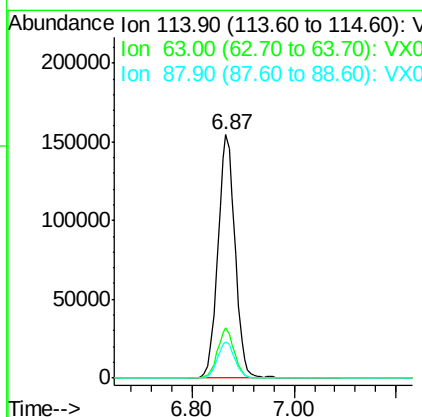
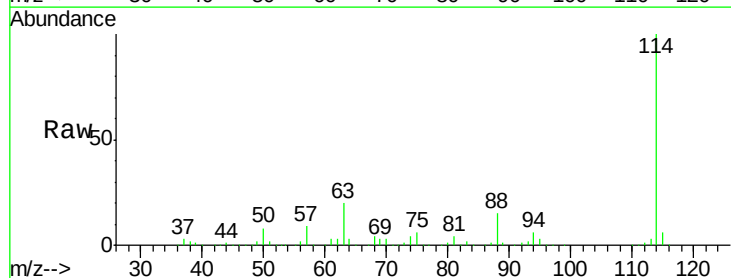
Instrument :
 MSVOA_X
 ClientSampled :
 PZ-6

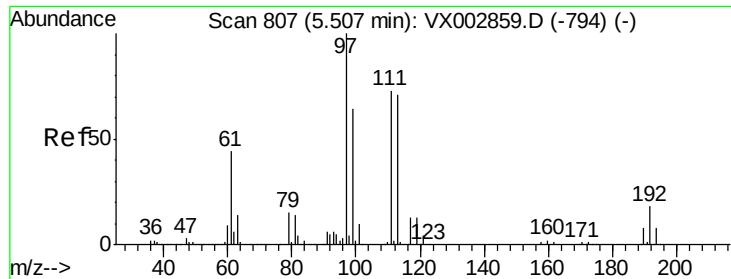
Tot Ion: 65 Resp: 168633
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003033.D
 Acq: 29 Jun 2018 17:11

Tgt Ion: 114 Resp: 359742
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.81 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003033.D

Acq: 29 Jun 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

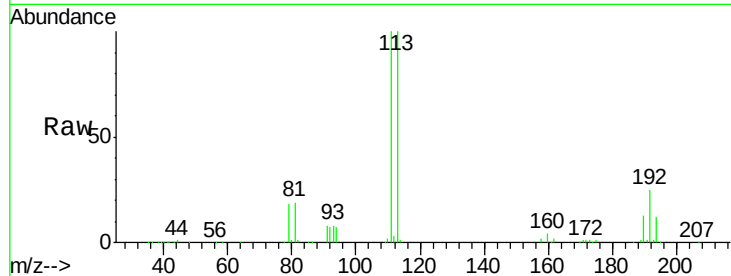
Tot Ion:113 Resp: 139046

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.0

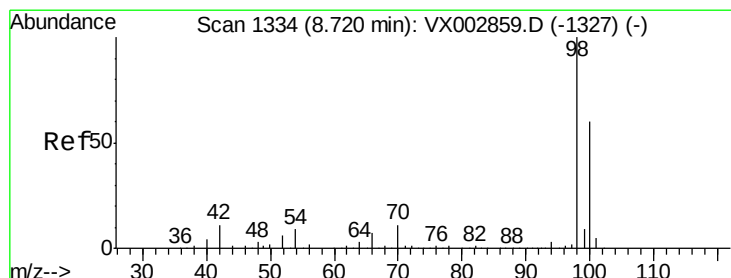
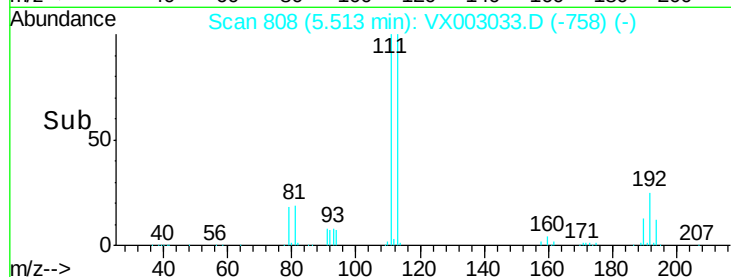
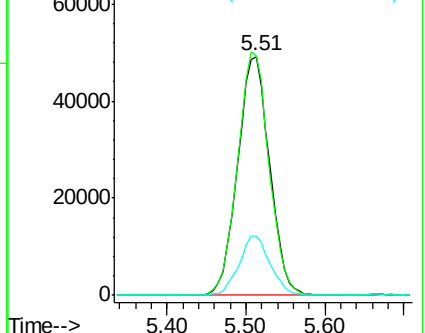
192 24.2 19.1 28.7



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: 48.21 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003033.D

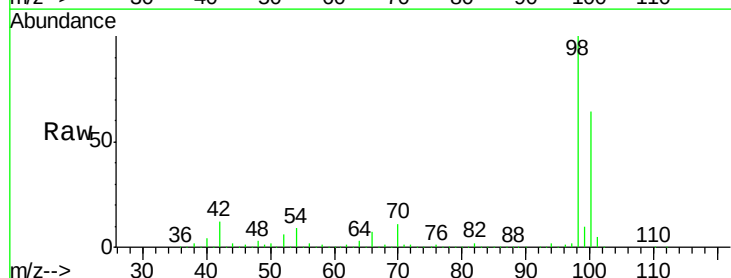
Acq: 29 Jun 2018 17:11

Tgt Ion: 98 Resp: 501560

Ion Ratio Lower Upper

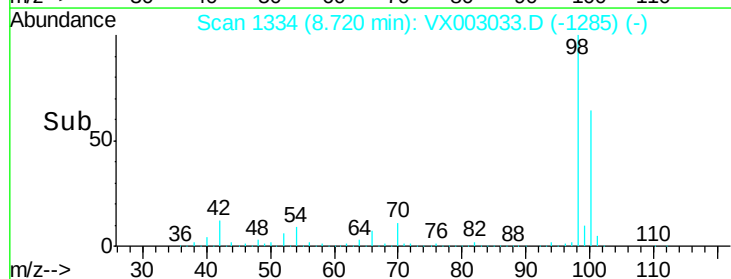
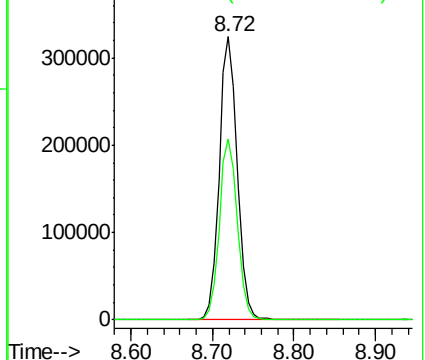
98 100

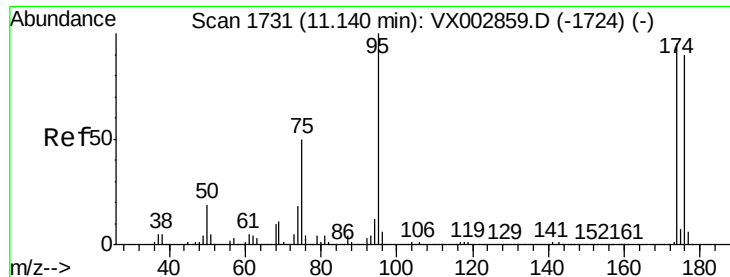
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003033.D

Acq: 29 Jun 2018 17:11

Instrument :

MSVOA_X

ClientSampled :

PZ-6

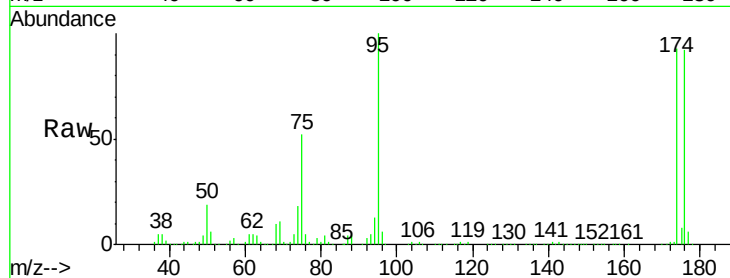
Tot Ion: 95 Resp: 172921

Ion Ratio Lower Upper

95 100

174 98.0 0.0 187.4

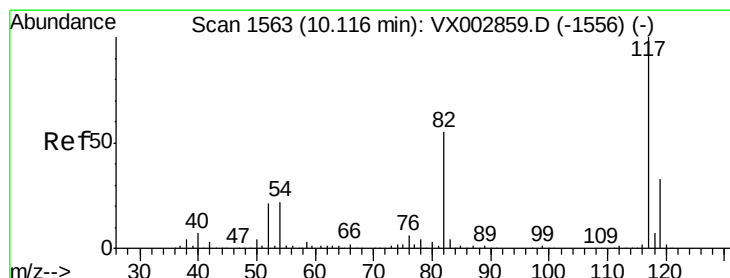
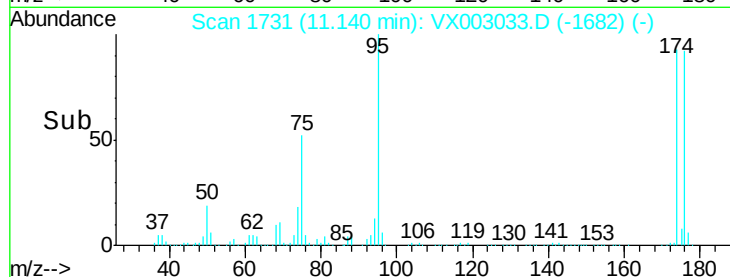
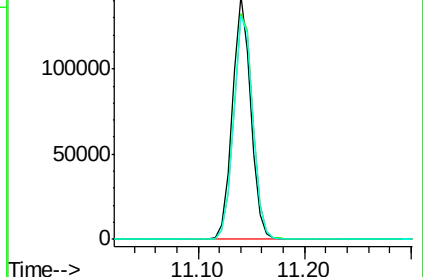
176 95.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003033.D

Acq: 29 Jun 2018 17:11

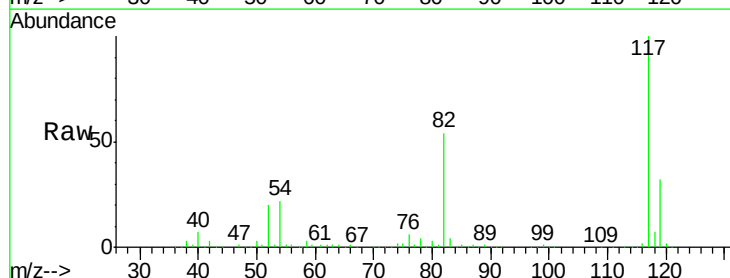
Tgt Ion: 117 Resp: 329938

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

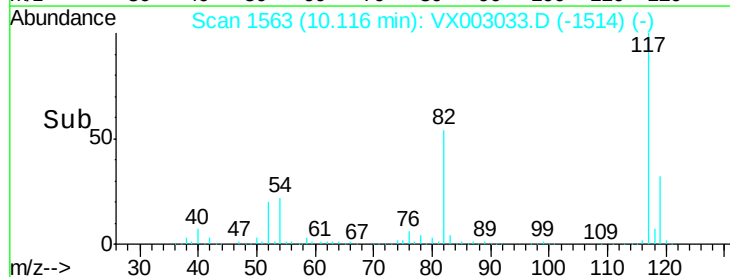
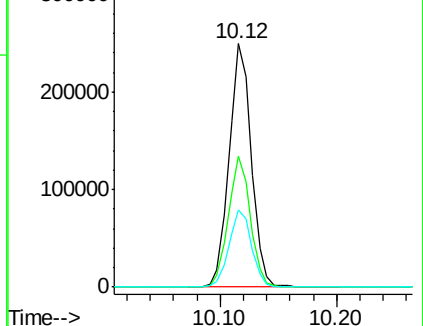
119 31.9 25.8 38.6

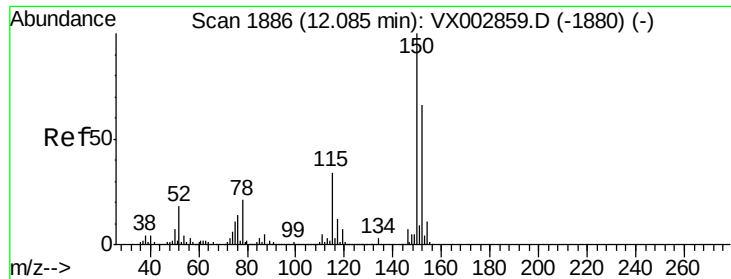


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003033.D

Acq: 29 Jun 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

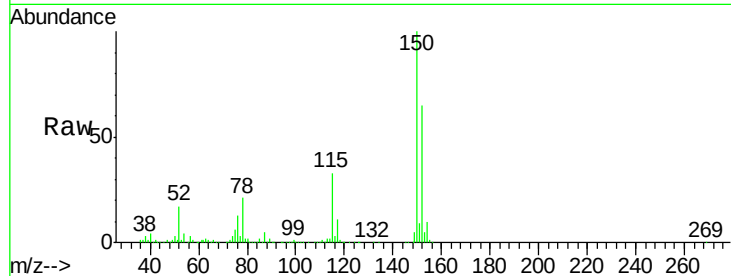
Tot Ion:152 Resp: 183804

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

150 156.6 0.0 347.2



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

