

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003366.D
 Acq On : 13 Jul 2018 14:37
 Operator : JC/MD
 Sample : I.BLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Quant Time: Jul 14 01:09:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 15:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	290572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	424669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	390642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214949	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	171629	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	5.51	113	156184	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.72	98	597269	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	11.14	95	205599	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

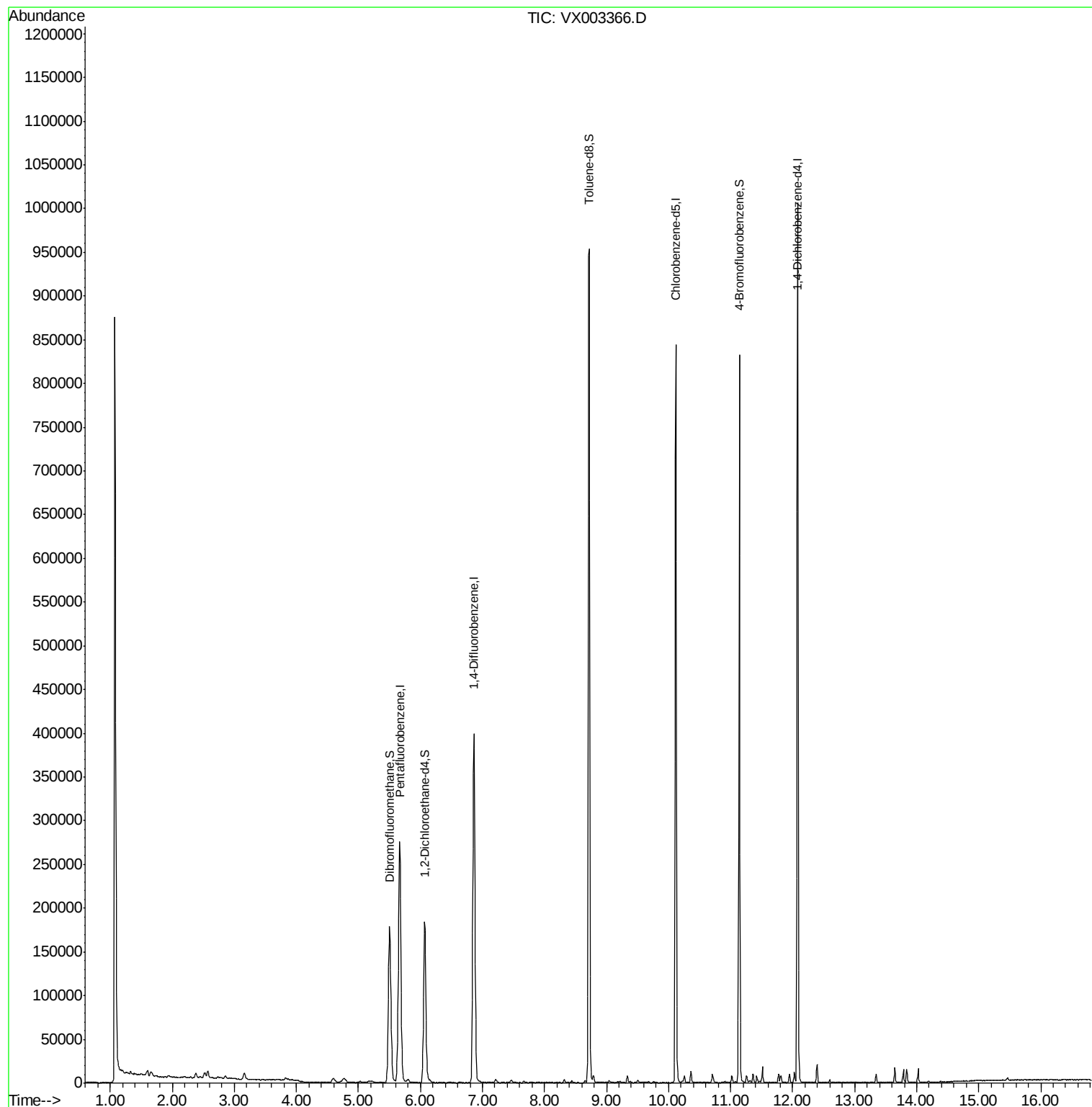
Target Compounds	Qvalue
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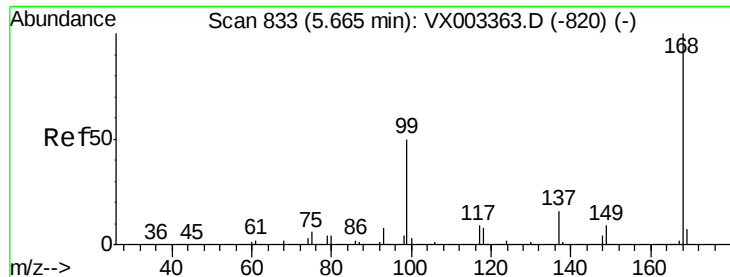
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003366.D

Acq: 13 Jul 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

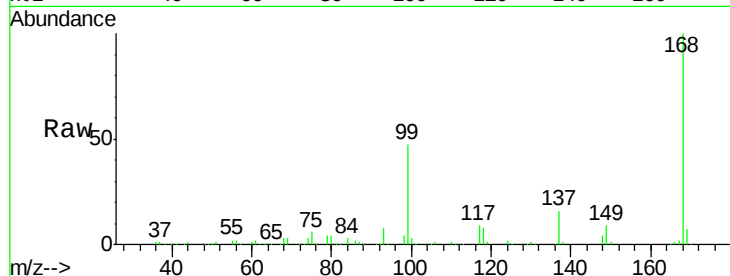
I.BLK

Tot Ion:168 Resp: 290572

Ion Ratio Lower Upper

168 100

99 47.0 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

120000

100000

80000

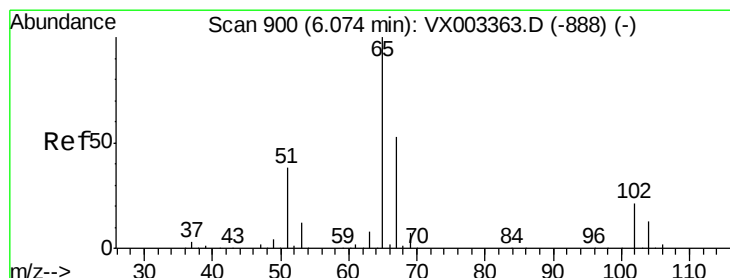
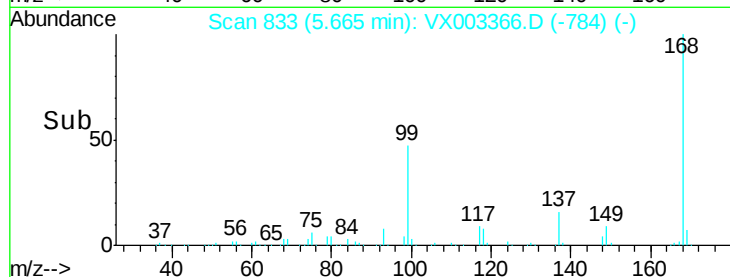
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003366.D

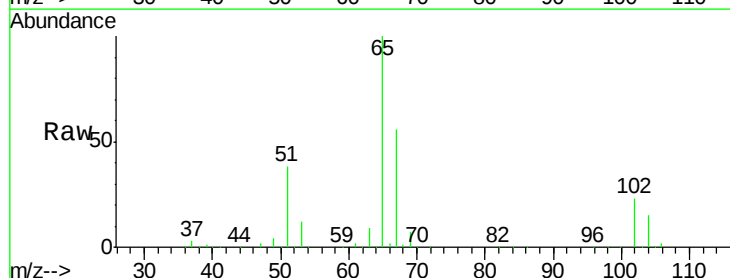
Acq: 13 Jul 2018 14:37

Tgt Ion: 65 Resp: 171629

Ion Ratio Lower Upper

65 100

67 54.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

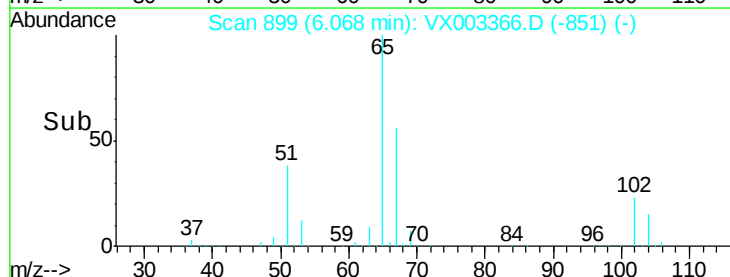
60000

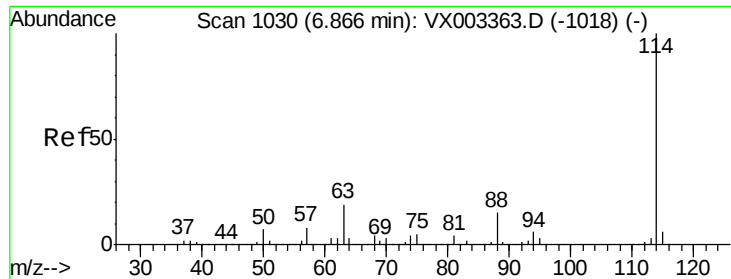
40000

20000

0

Time--> 5.90 6.00 6.10 6.20

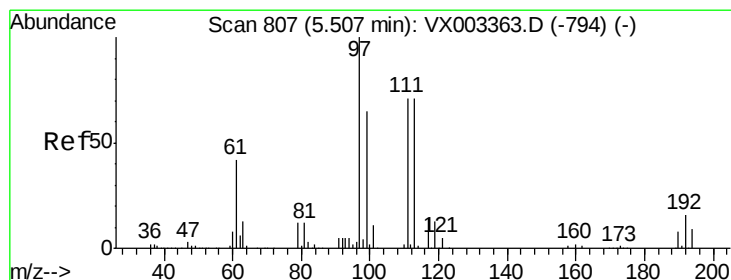
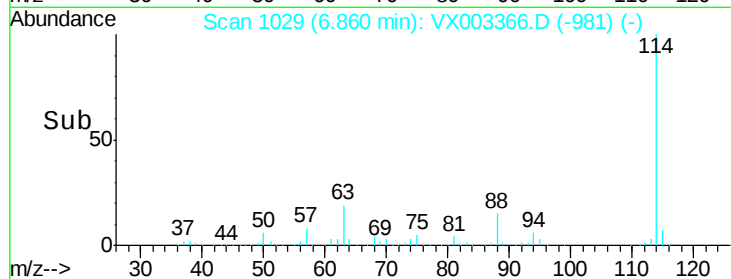
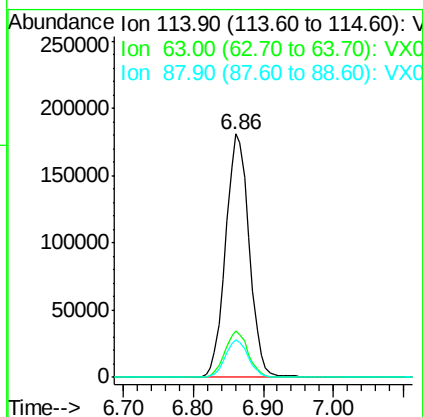
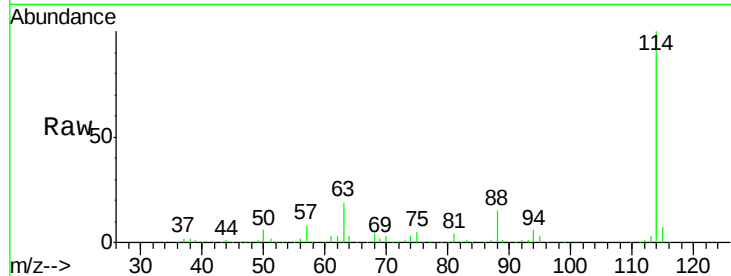




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003366.D
 Acq: 13 Jul 2018 14:37

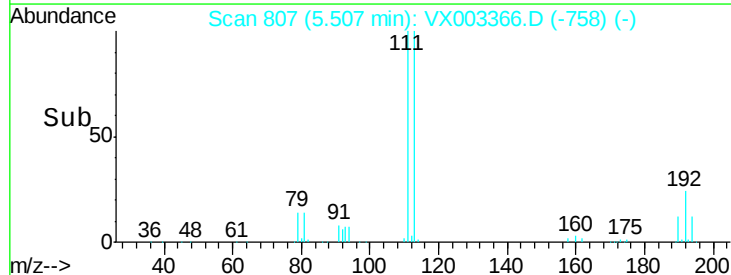
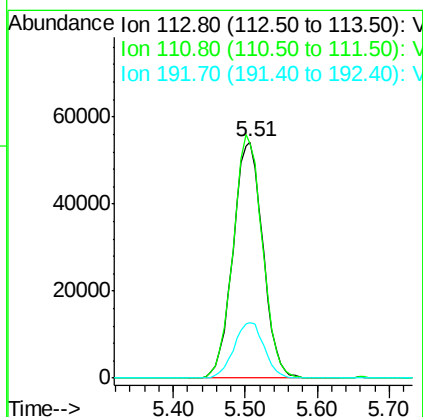
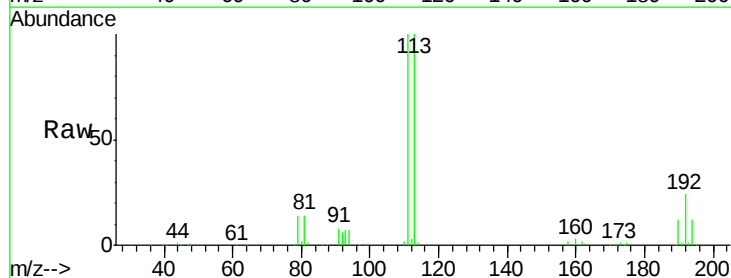
Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

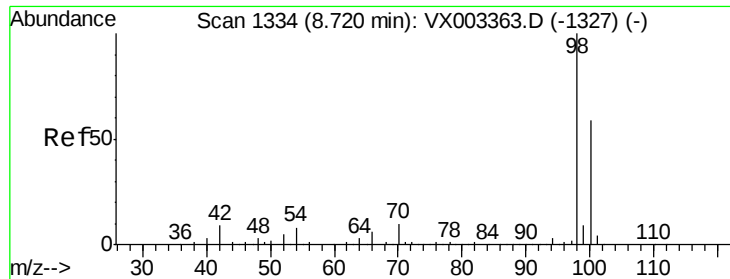
Tot Ion:114 Resp: 424669
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.3 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 49.97 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003366.D
 Acq: 13 Jul 2018 14:37

Tgt Ion:113 Resp: 156184
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.0
 192 23.8 19.1 28.7





#50

Toluene-d8

Concen: 53.74 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003366.D

Acq: 13 Jul 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

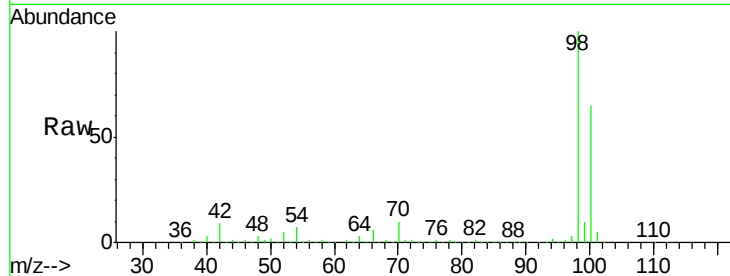
I.BLK

Tot Ion: 98 Resp: 597269

Ion Ratio Lower Upper

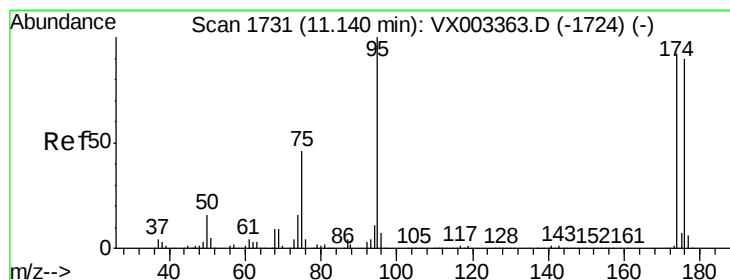
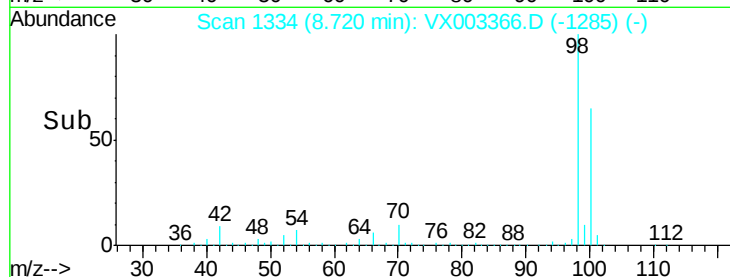
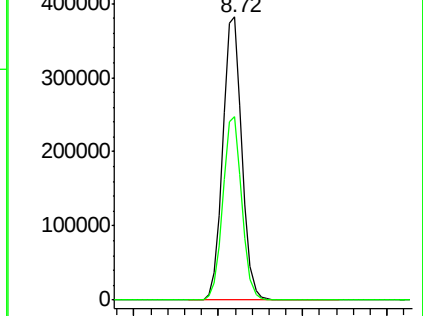
98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 47.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003366.D

Acq: 13 Jul 2018 14:37

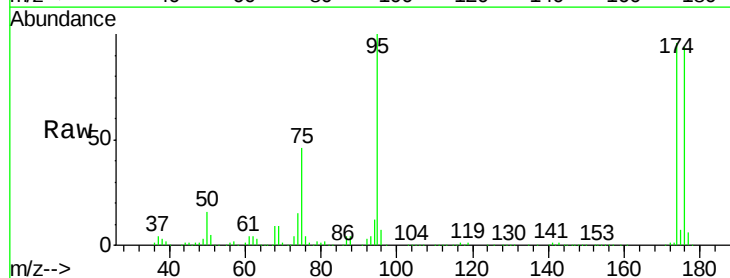
Tgt Ion: 95 Resp: 205599

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.4

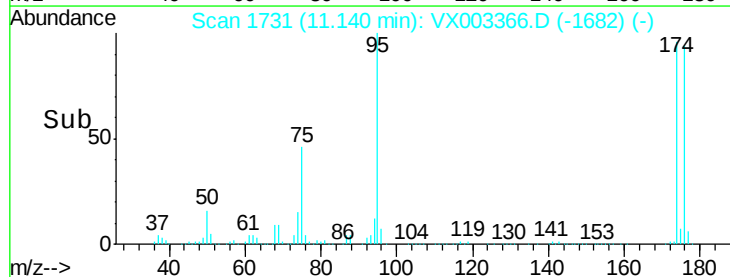
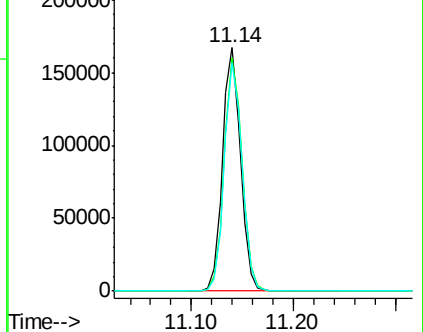
176 92.7 0.0 181.0

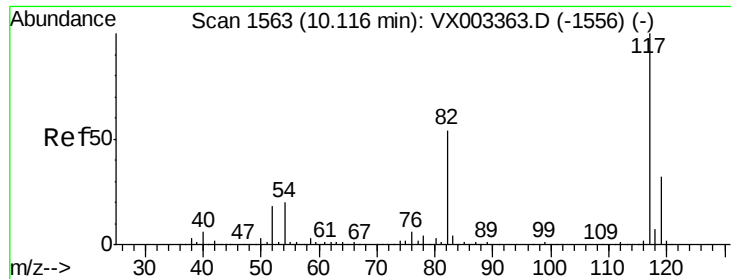


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003366.D

Acq: 13 Jul 2018 14:37

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

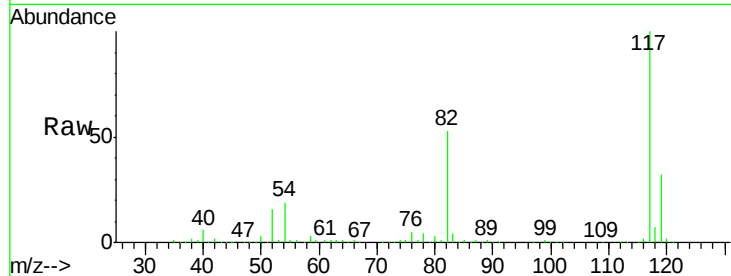
Tot Ion:117 Resp: 390642

Ion Ratio Lower Upper

117 100

82 52.8 45.0 67.4

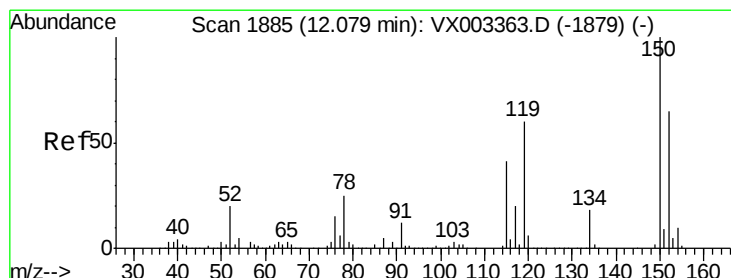
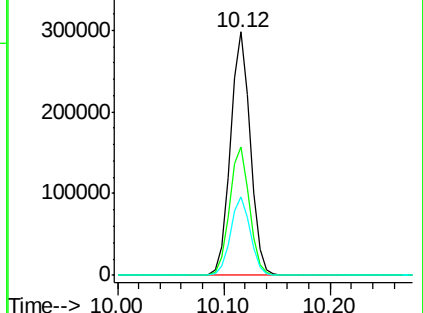
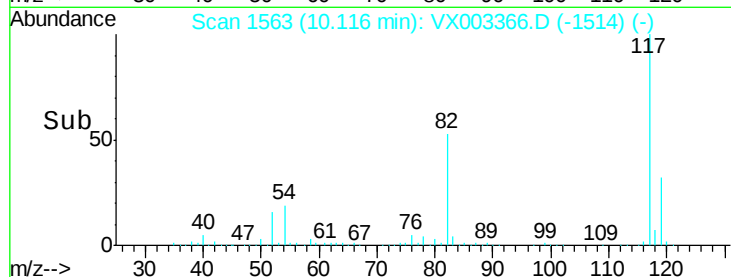
119 32.5 25.8 38.6



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003366.D

Acq: 13 Jul 2018 14:37

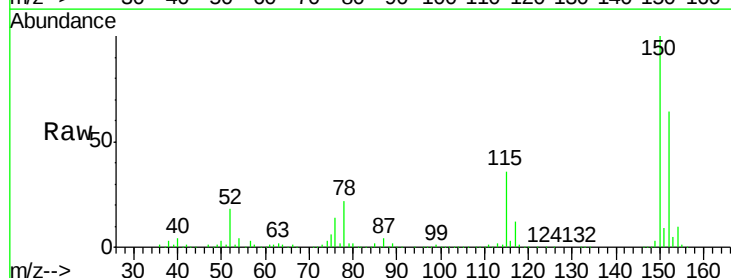
Tgt Ion:152 Resp: 214949

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

150 156.3 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

