

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002989.D
 Acq On : 28 Jun 2018 17:00
 Operator : JC/MD
 Sample : J3750-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZER-TB062618

Quant Time: Jun 29 09:54:19 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	256324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189471	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	172361	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	5.51	113	140703	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	8.72	98	505267	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.14	95	179303	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

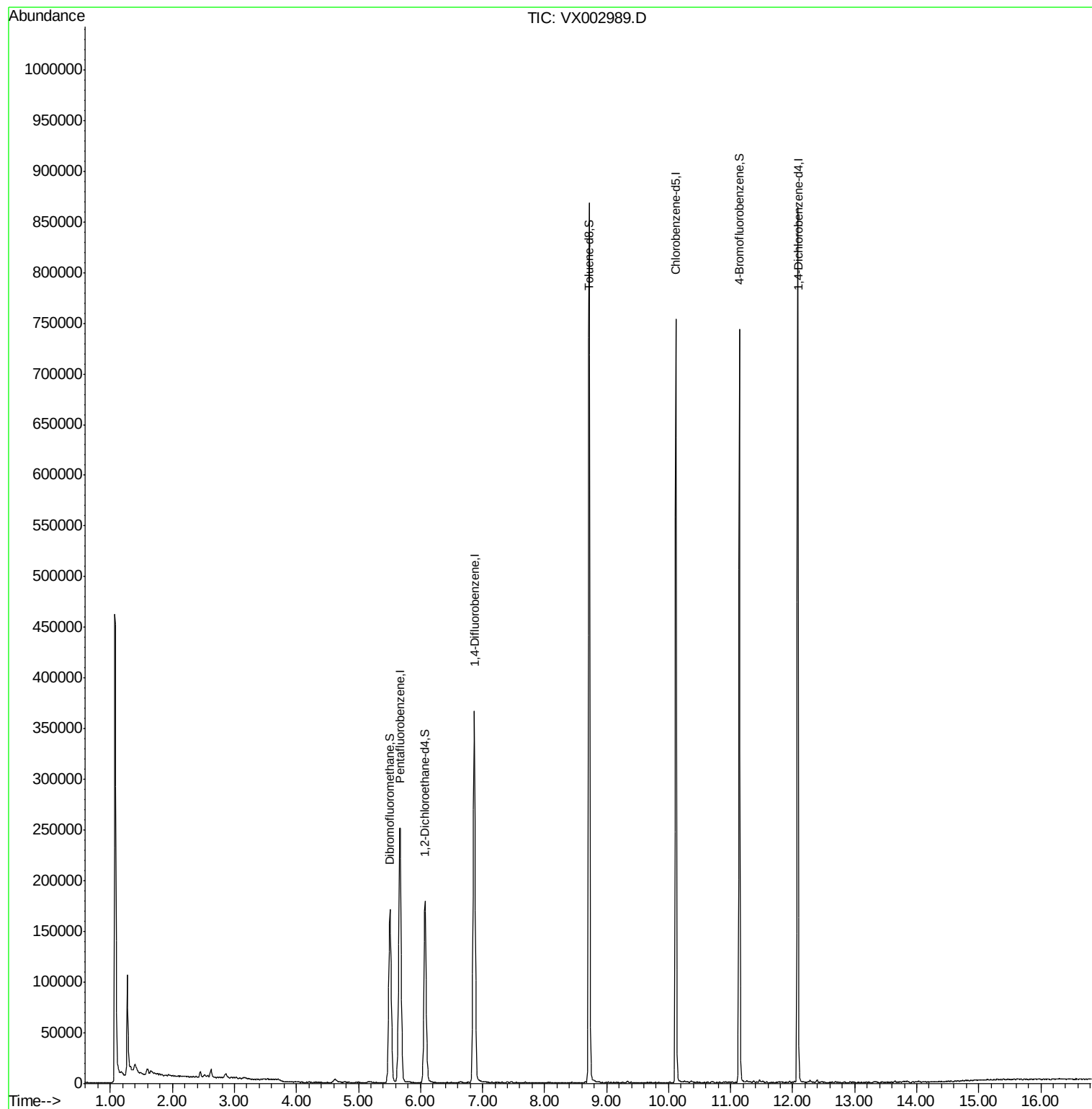
Target Compounds	Qvalue

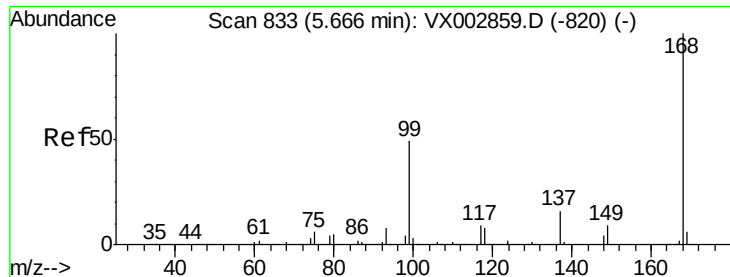
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002989.D

Acq: 28 Jun 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

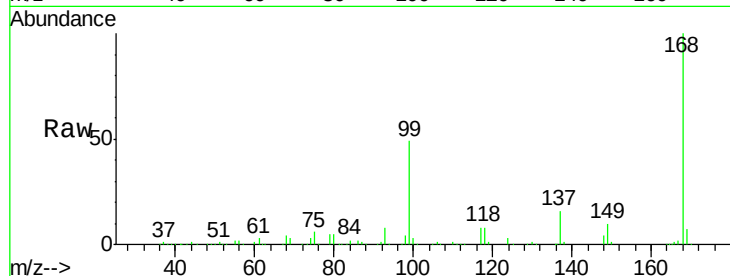
ZER-TB062618

Tot Ion:168 Resp: 256324

Ion Ratio Lower Upper

168 100

99 49.0 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

100000

80000

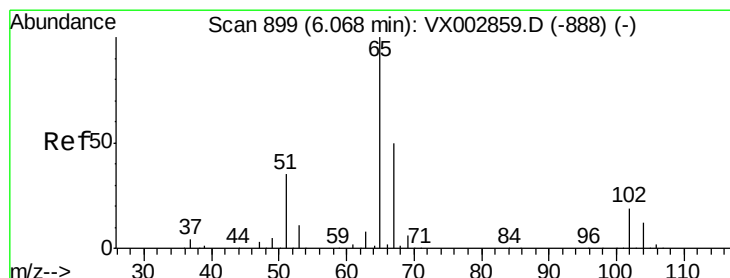
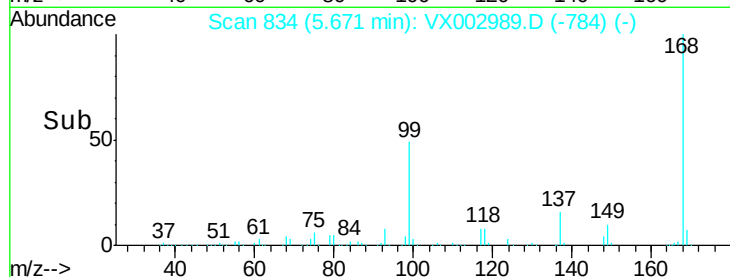
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.65 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002989.D

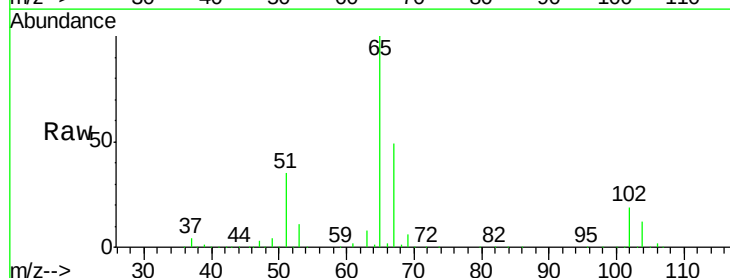
Acq: 28 Jun 2018 17:00

Tgt Ion: 65 Resp: 172361

Ion Ratio Lower Upper

65 100

67 50.8 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

80000

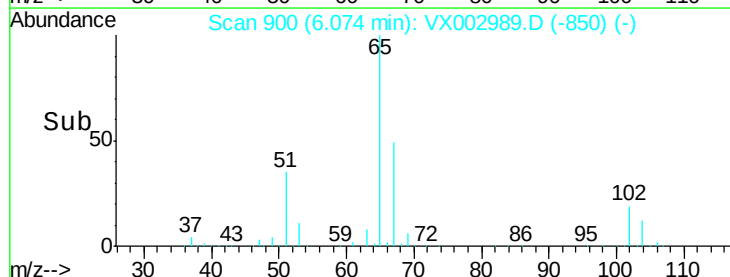
60000

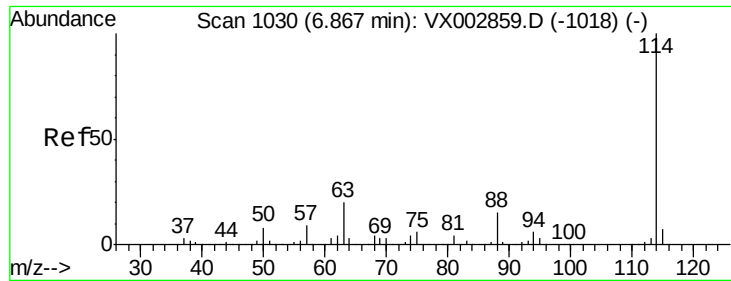
40000

20000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002989.D

Acq: 28 Jun 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

ZER-TB062618

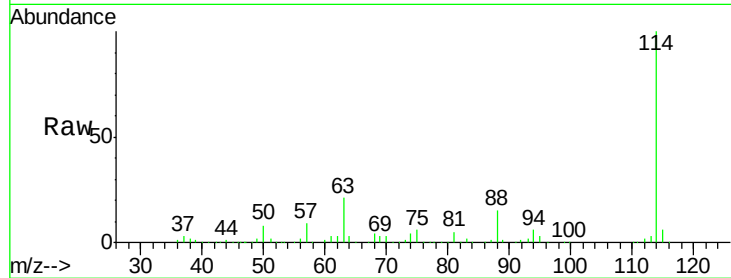
Tot Ion:114 Resp: 360757

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

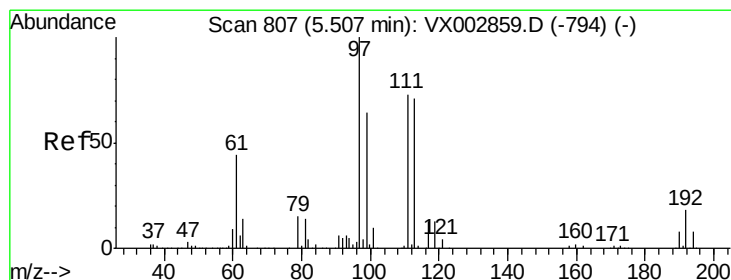
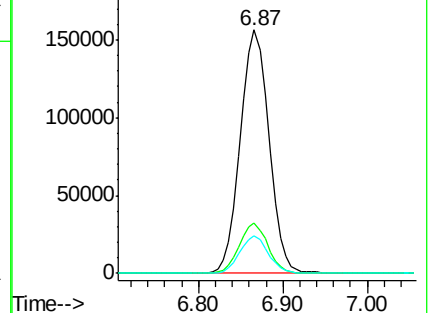
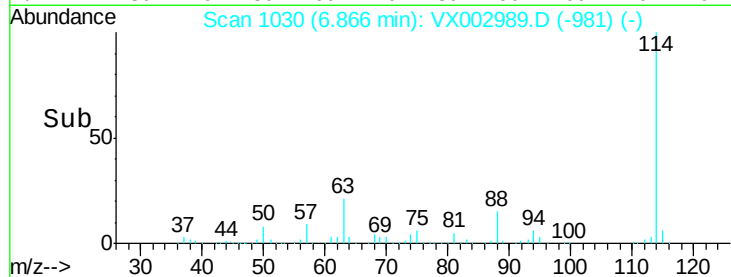
88 15.3 0.0 30.0



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



#35

Dibromofluoromethane

Concen: 49.25 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002989.D

Acq: 28 Jun 2018 17:00

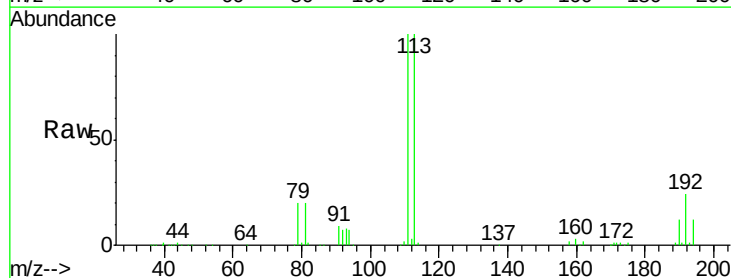
Tgt Ion:113 Resp: 140703

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

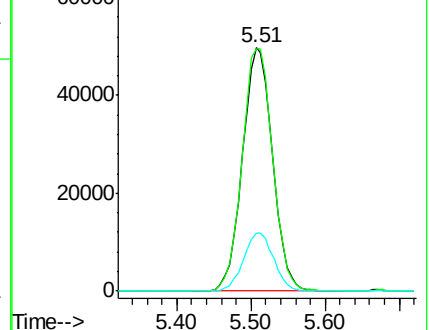
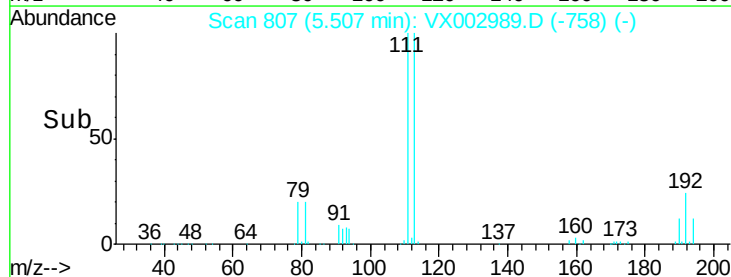
192 24.0 19.1 28.7

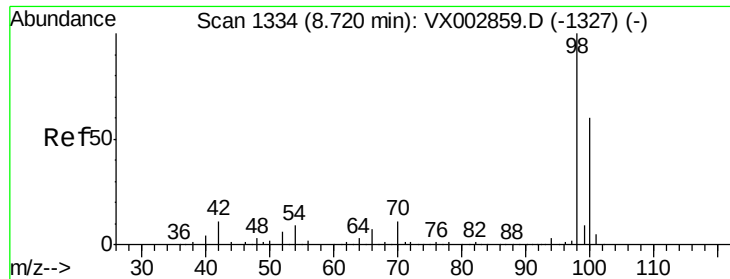


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

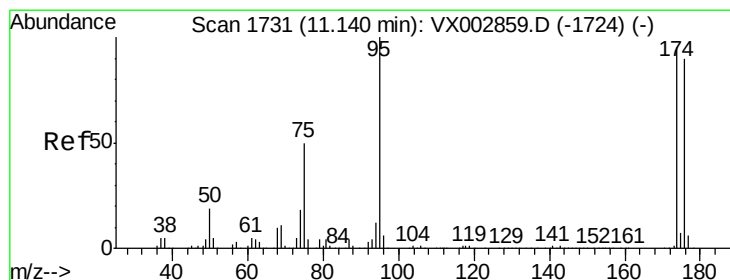
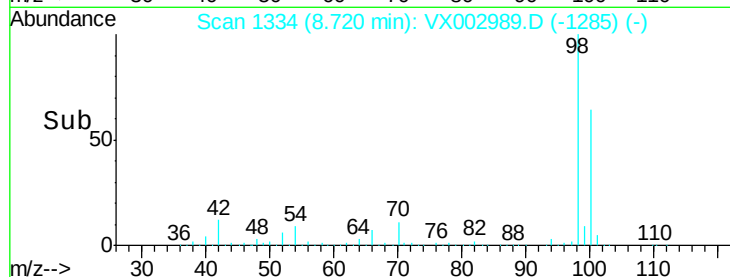
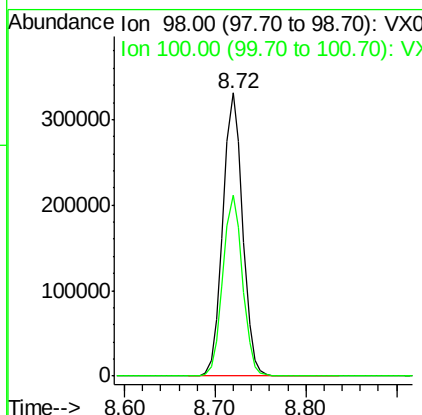
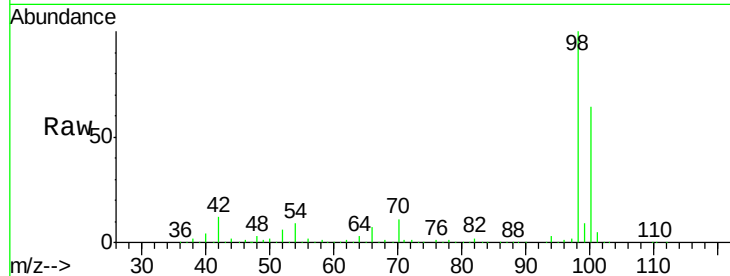




#50
Toluene-d8
Concen: 48.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002989.D
Acq: 28 Jun 2018 17:00

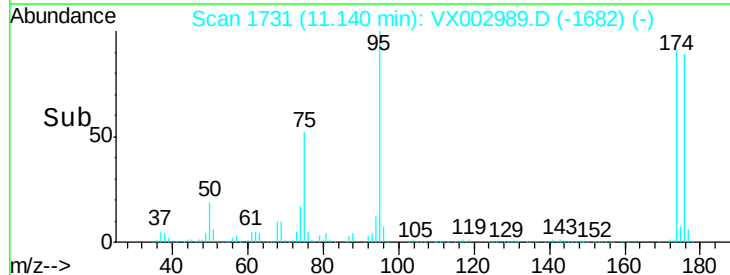
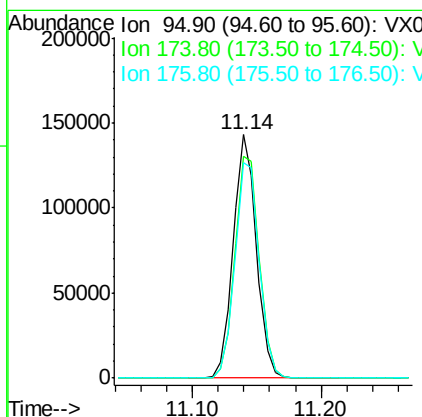
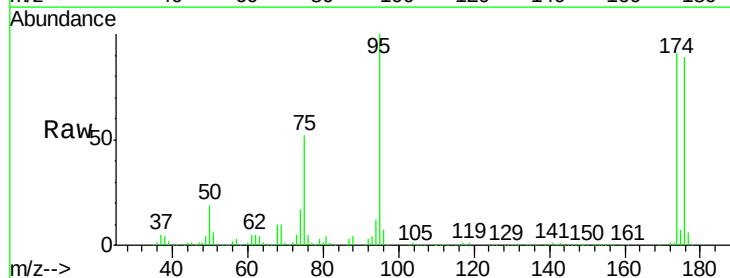
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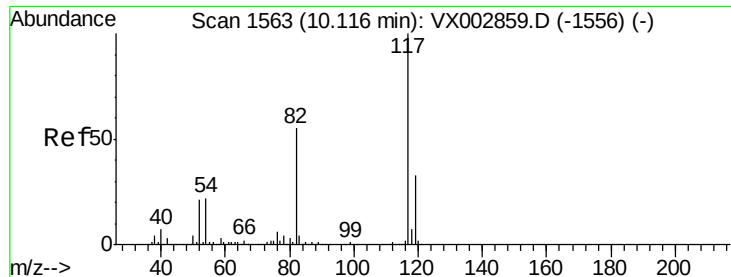
Tot Ion: 98 Resp: 505267
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.57 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002989.D
Acq: 28 Jun 2018 17:00

Tgt Ion: 95 Resp: 179303
Ion Ratio Lower Upper
95 100
174 96.3 0.0 187.4
176 93.1 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002989.D

Acq: 28 Jun 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

ZER-TB062618

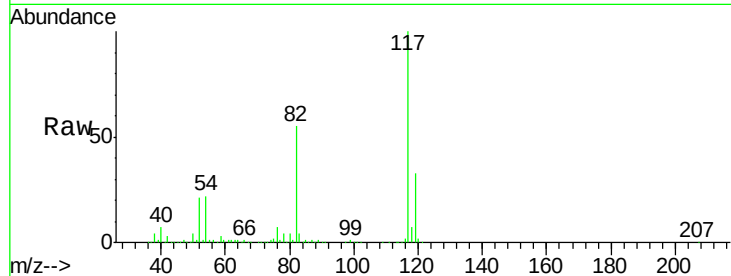
Tot Ion:117 Resp: 333721

Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.4

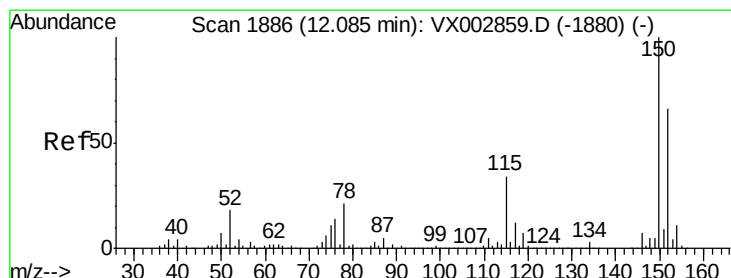
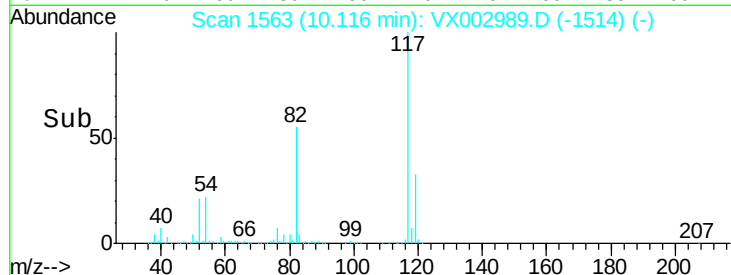
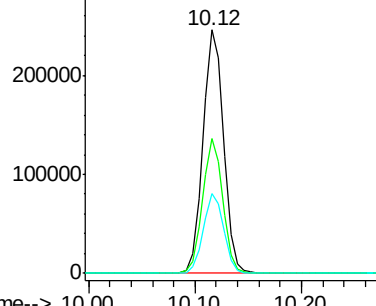
119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002989.D

Acq: 28 Jun 2018 17:00

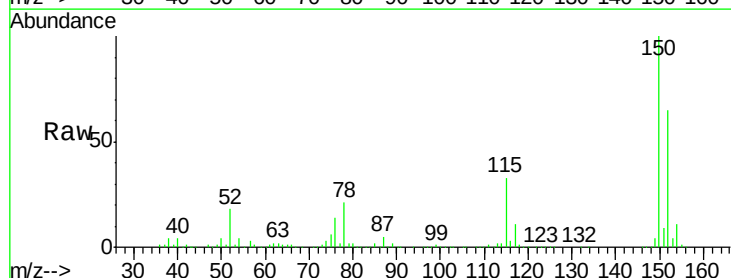
Tgt Ion:152 Resp: 189471

Ion Ratio Lower Upper

152 100

115 53.9 40.1 120.2

150 156.7 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

