

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015418.D
 Acq On : 28 Mar 2020 06:33
 Operator : JC/SP
 Sample : L2018-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Mar 30 05:45:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

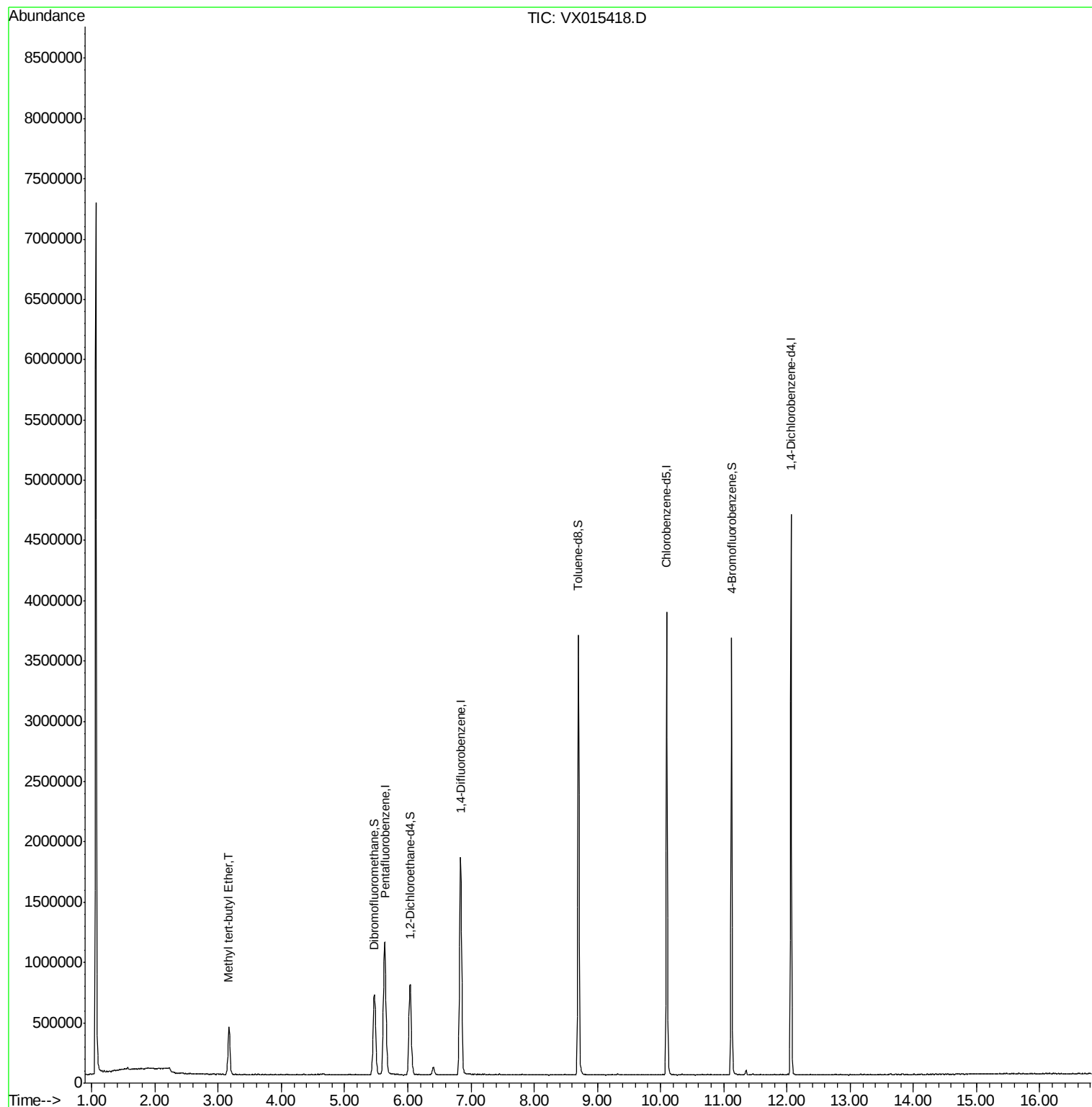
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1077853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1787189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1692265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	921061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	741133	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
35) Dibromofluoromethane	5.47	113	566583	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
50) Toluene-d8	8.70	98	2172421	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.12	95	944661	55.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.52%	
Target Compounds						
19) Methyl tert-butyl Ether	3.17	73	437331	11.081	ug/l	Qvalue 99

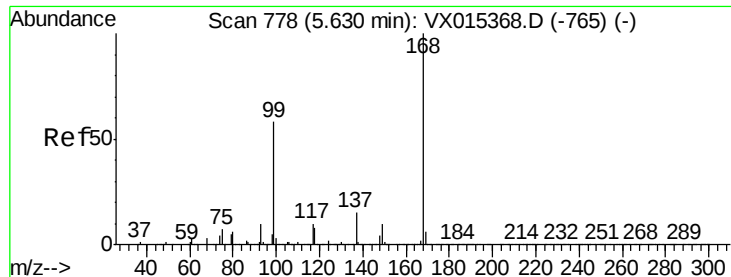
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

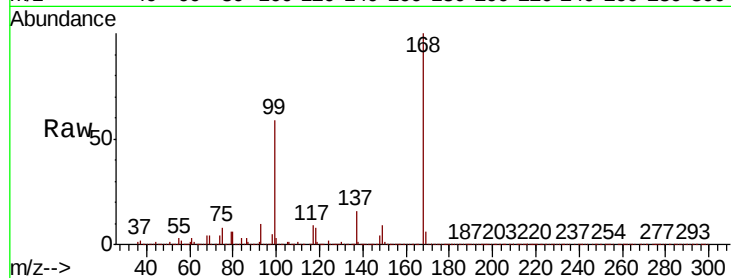
MW-4

Tot Ion:168 Resp: 1077853

Ion Ratio Lower Upper

168 100

99 58.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

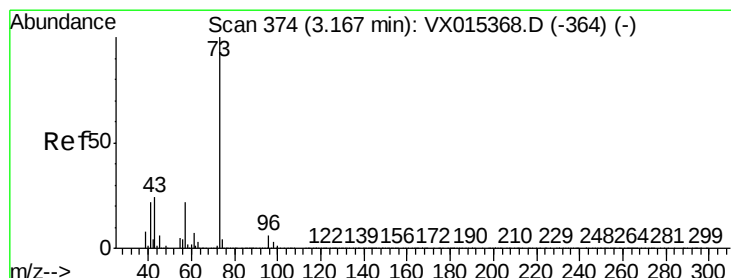
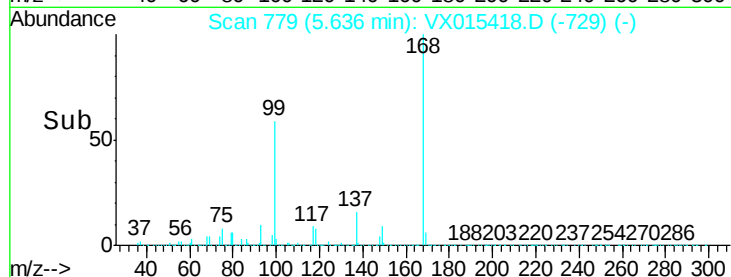
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#19

Methyl tert-butyl Ether

Concen: 11.081 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX015418.D

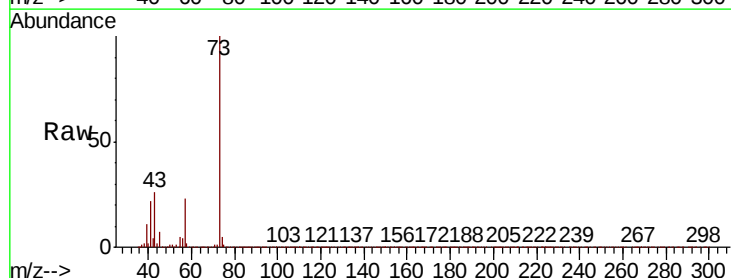
Acq: 28 Mar 2020 06:33

Tgt Ion: 73 Resp: 437331

Ion Ratio Lower Upper

73 100

57 22.9 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.17

200000

150000

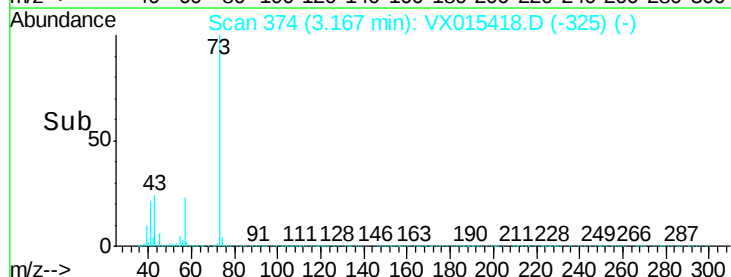
100000

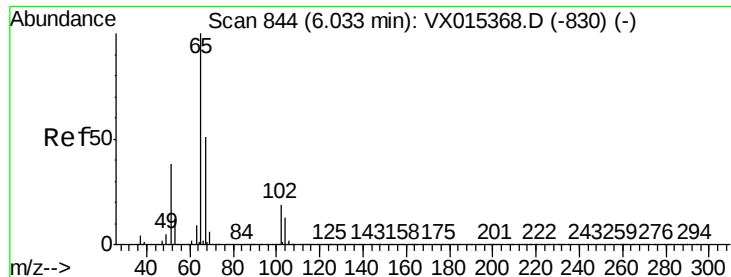
50000

0

3.10 3.20 3.30

Time-->

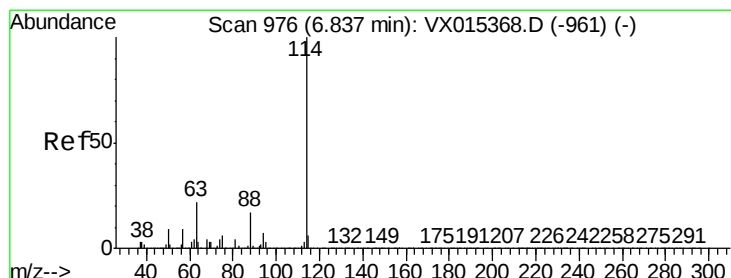
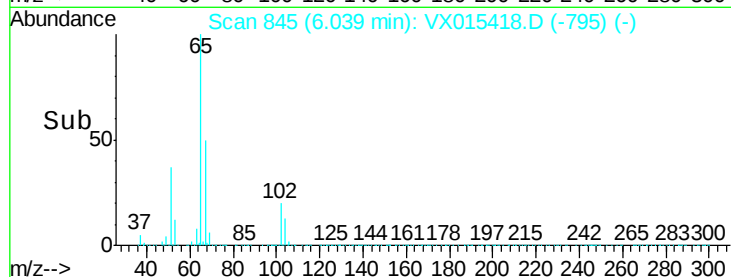
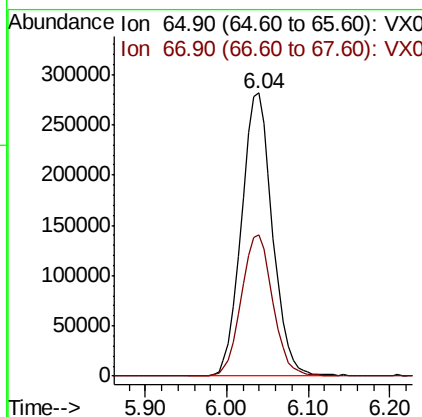
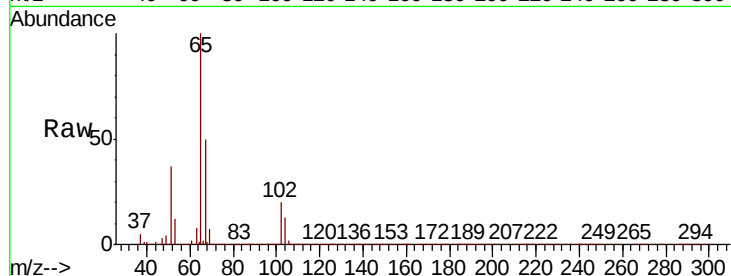




#33
 1,2-Dichloroethane-d4
 Concen: 48.753 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015418.D
 Acq: 28 Mar 2020 06:33

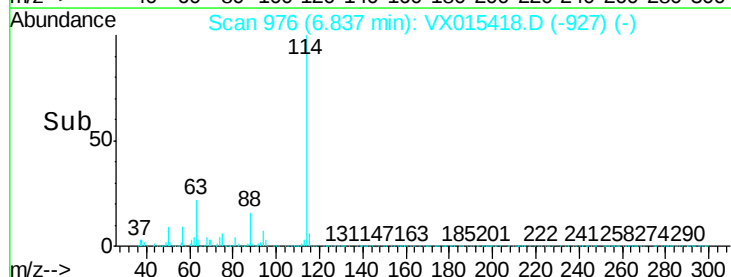
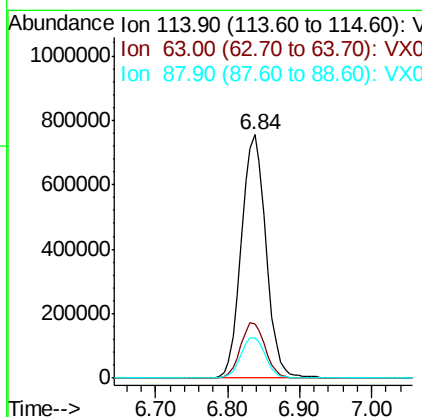
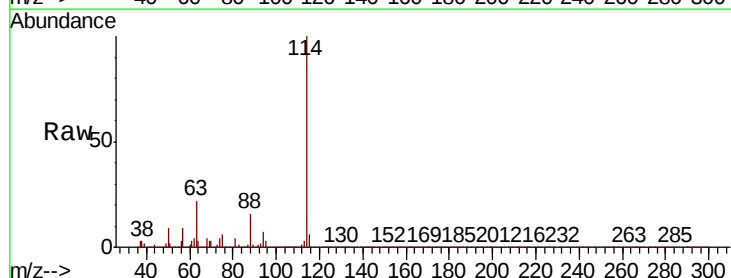
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

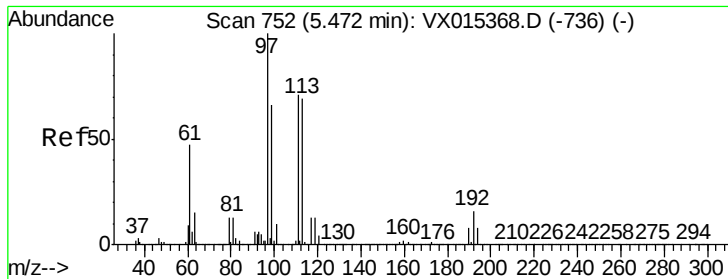
Tot Ion: 65 Resp: 741133
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015418.D
 Acq: 28 Mar 2020 06:33

Tgt Ion: 114 Resp: 1787189
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 16.3 0.0 33.8

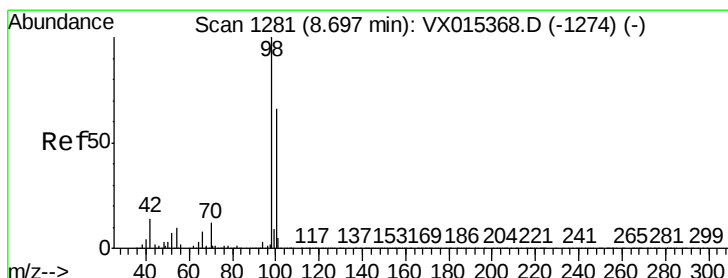
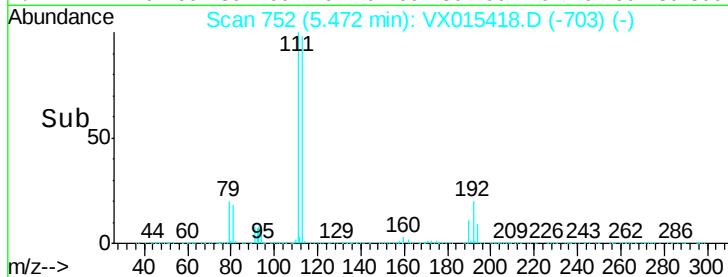
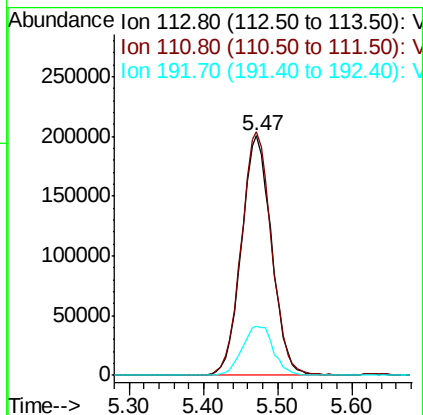
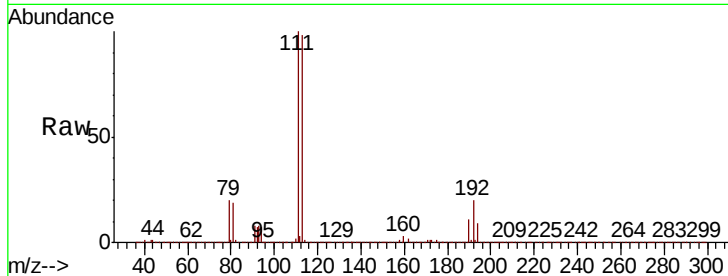




#35
 Dibromofluoromethane
 Concen: 49.595 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015418.D
 Acq: 28 Mar 2020 06:33

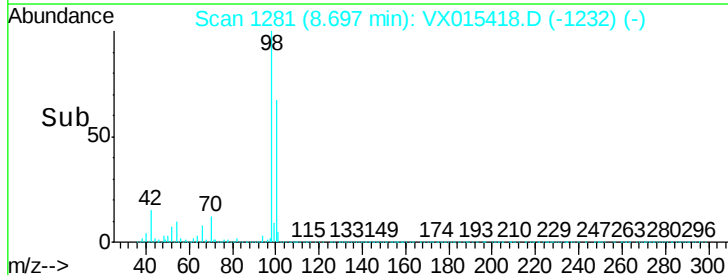
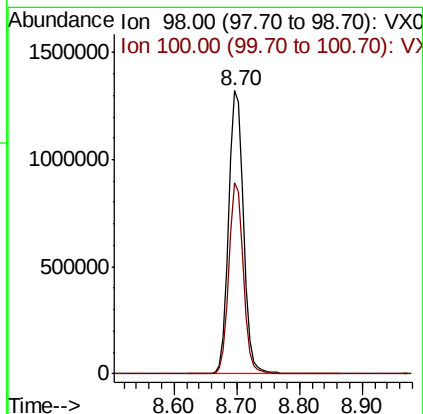
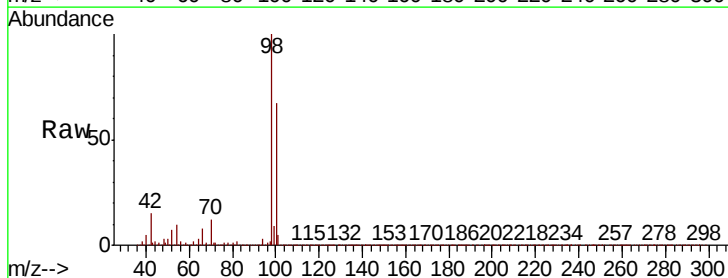
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

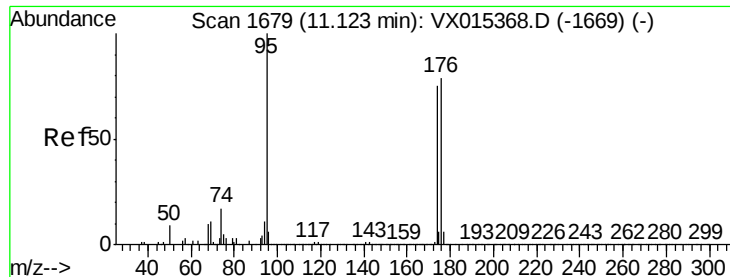
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	21.2	17.8	26.6



#50
 Toluene-d8
 Concen: 51.649 ug/l
 RT: 8.70 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VX015418.D
 Acq: 28 Mar 2020 06:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.5	80.3





#62

4-Bromofluorobenzene

Concen: 55.264 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampled :

MW-4

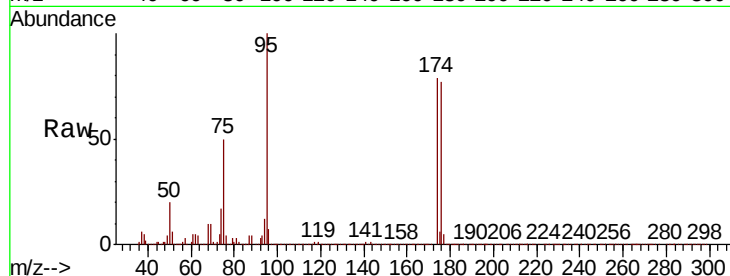
Tot Ion: 95 Resp: 944661

Ion Ratio Lower Upper

95 100

174 76.0 0.0 158.6

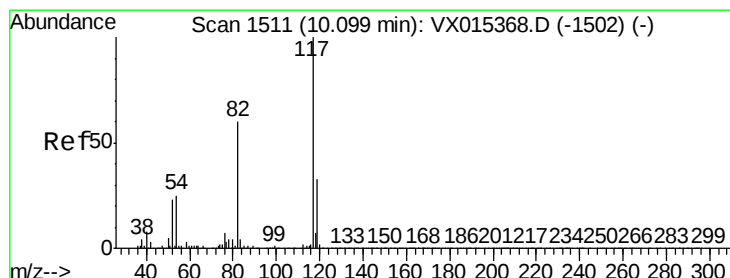
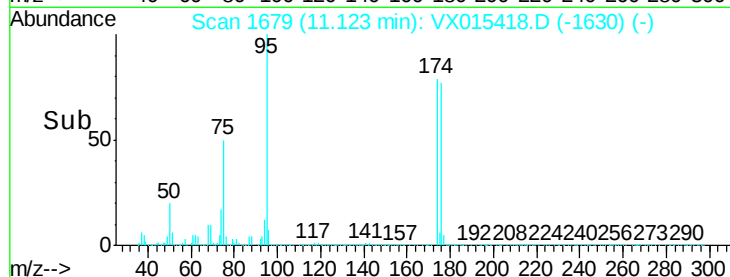
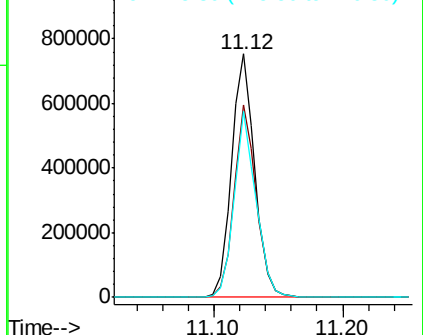
176 72.3 0.0 159.0



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: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

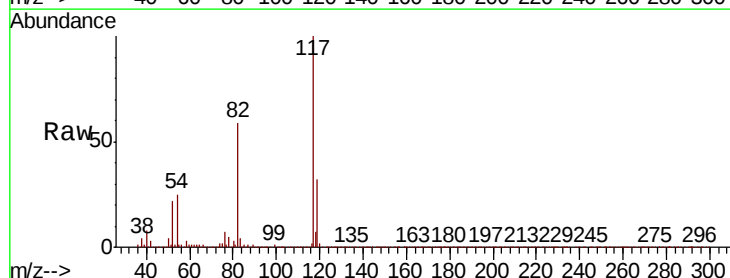
Tgt Ion: 117 Resp: 1692265

Ion Ratio Lower Upper

117 100

82 58.7 47.8 71.8

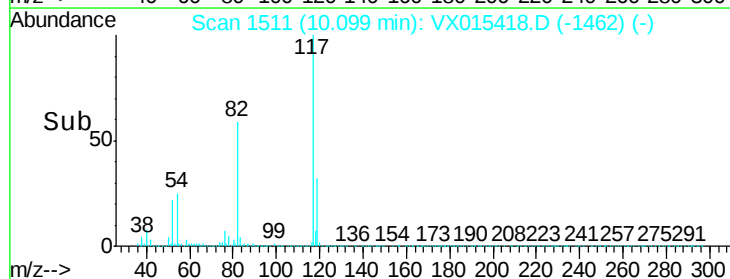
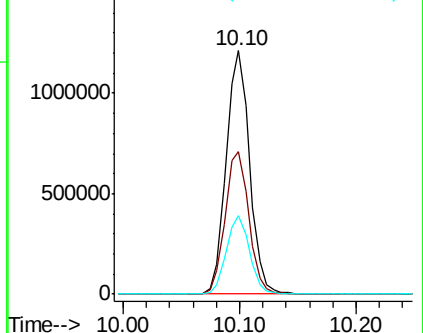
119 32.5 26.8 40.2

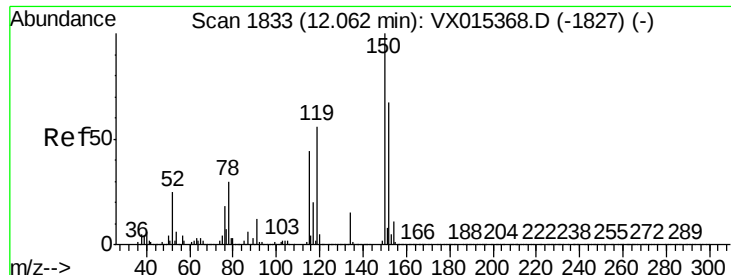


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015418.D

Acq: 28 Mar 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4

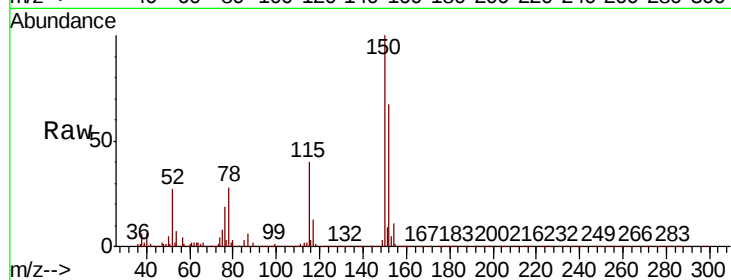
Tot Ion:152 Resp: 921061

Ion Ratio Lower Upper

152 100

115 57.5 39.0 116.9

150 153.7 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

1500000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

