

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003602.D
 Acq On : 23 Jul 2018 14:16
 Operator : JC/SP
 Sample : J4083-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-6

Quant Time: Jul 24 10:14:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

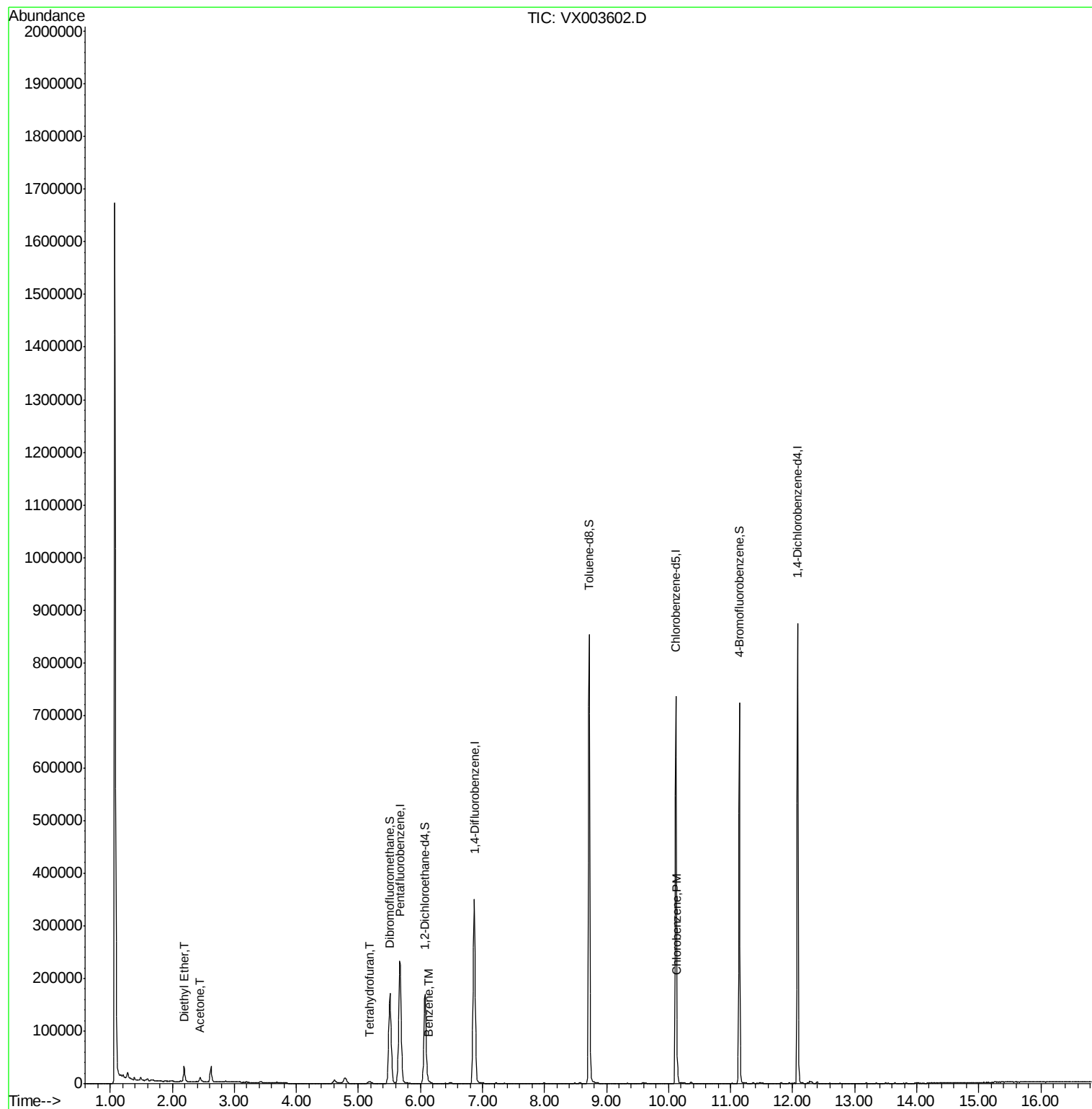
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	157805	54.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.38%	
35) Dibromofluoromethane	5.51	113	142594	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.46%	
50) Toluene-d8	8.72	98	517871	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.14	95	176583	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
Target Compounds						
8) Diethyl Ether	2.19	74	7926	4.47	ug/l	95
16) Acetone	2.45	43	7778	7.14	ug/l #	89
29) Tetrahydrofuran	5.18	42	3516	2.91	ug/l #	93
40) Benzene	6.14	78	3675	0.31	ug/l	96
65) Chlorobenzene	10.14	112	10792	1.20	ug/l	97

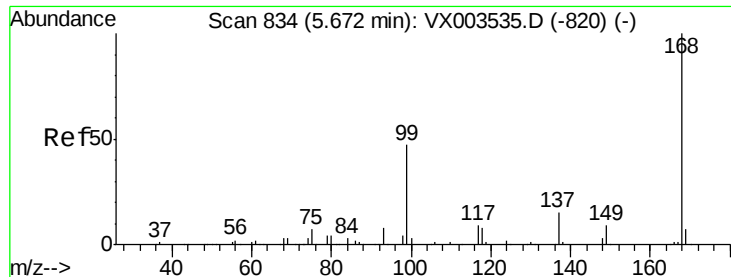
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003602.D

Acq: 23 Jul 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

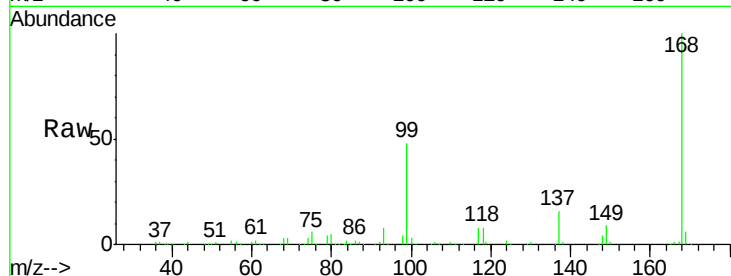
MH-6

Tot Ion:168 Resp: 243767

Ion Ratio Lower Upper

168 100

99 48.0 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

80000

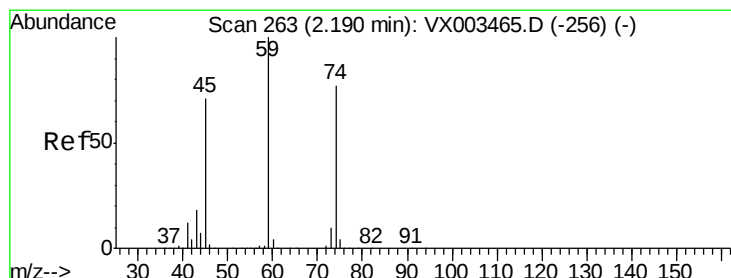
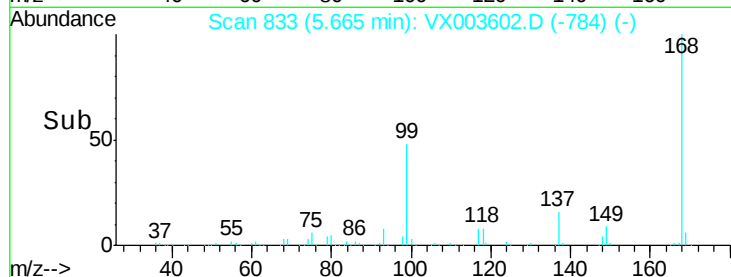
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 4.47 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003602.D

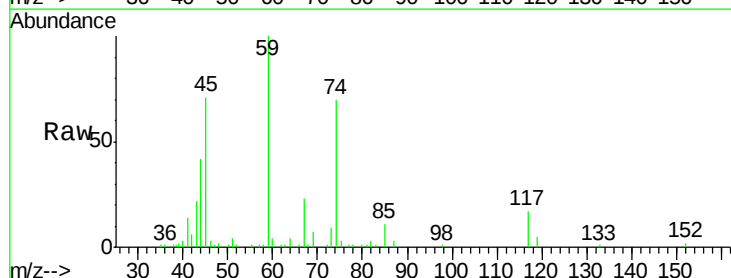
Acq: 23 Jul 2018 14:16

Tgt Ion: 74 Resp: 7926

Ion Ratio Lower Upper

74 100

45 101.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

6000

5000

4000

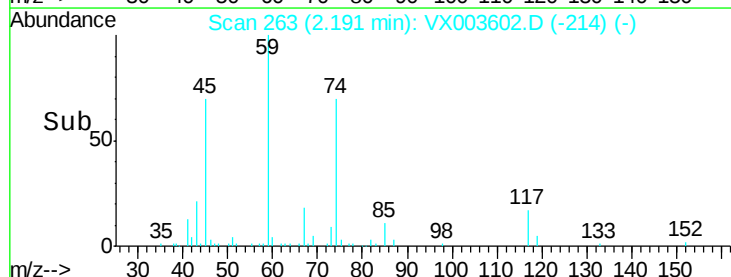
3000

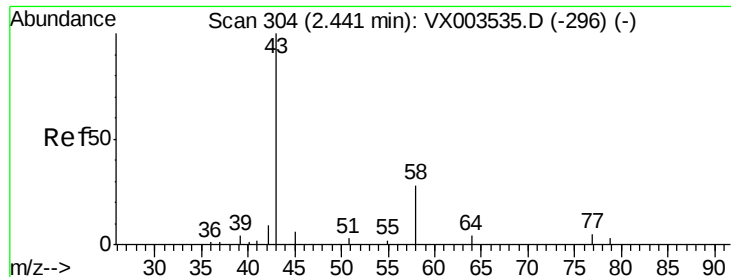
2000

1000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#16

Acetone

Concen: 7.14 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003602.D

Acq: 23 Jul 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

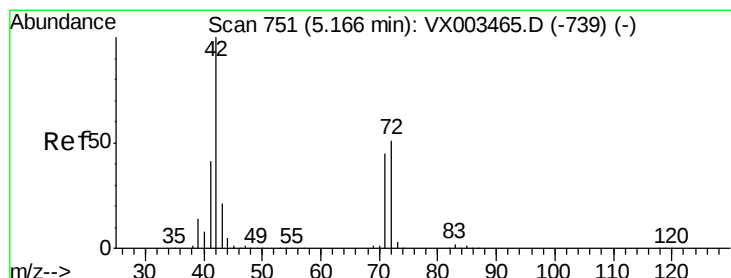
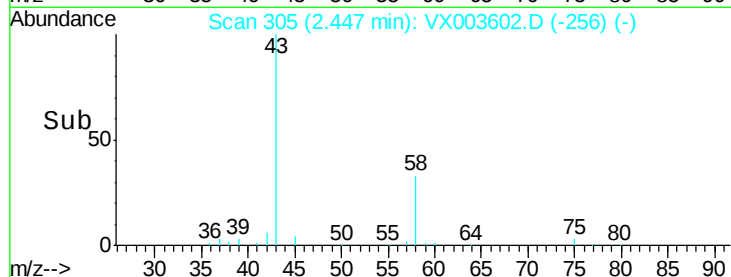
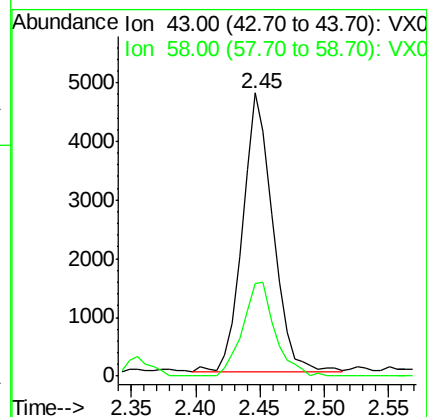
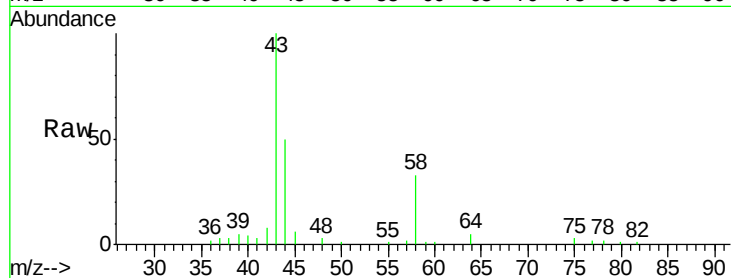
MH-6

Tot Ion: 43 Resp: 7778

Ion Ratio Lower Upper

43 100

58 33.3 22.1 33.1#



#29

Tetrahydrofuran

Concen: 2.91 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003602.D

Acq: 23 Jul 2018 14:16

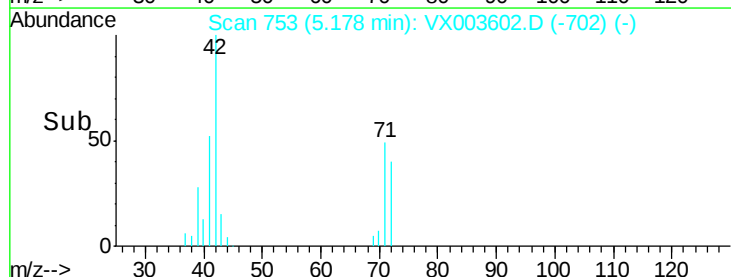
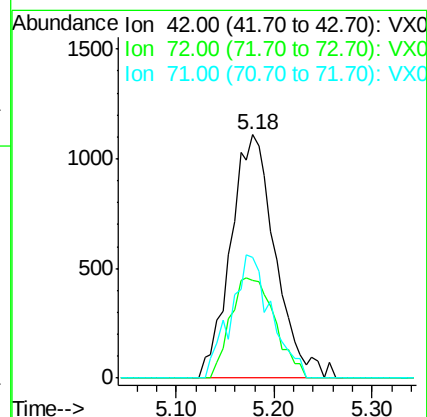
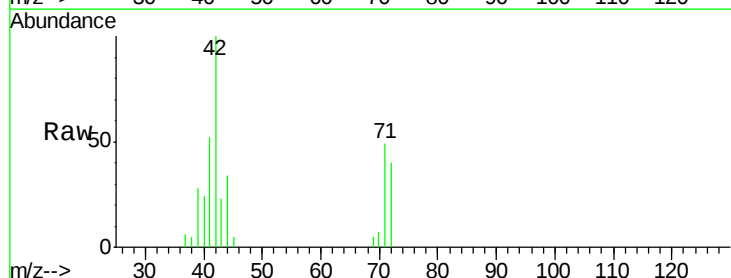
Tgt Ion: 42 Resp: 3516

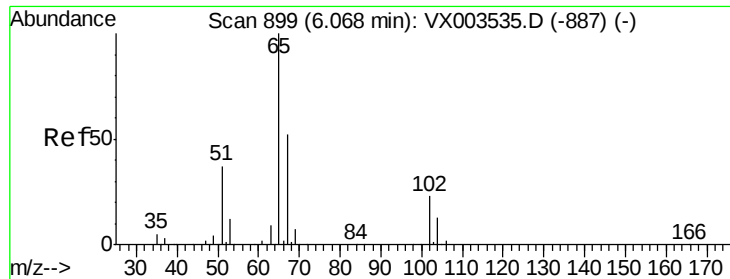
Ion Ratio Lower Upper

42 100

72 41.0 32.0 48.0

71 45.8 30.1 45.1#

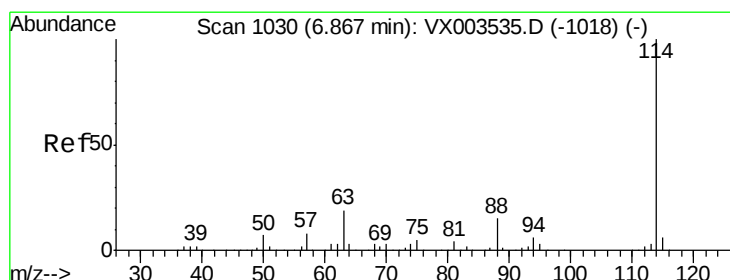
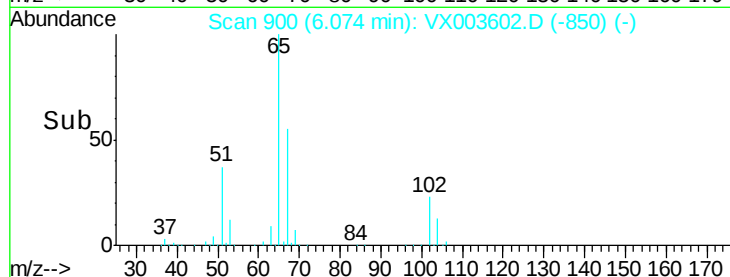
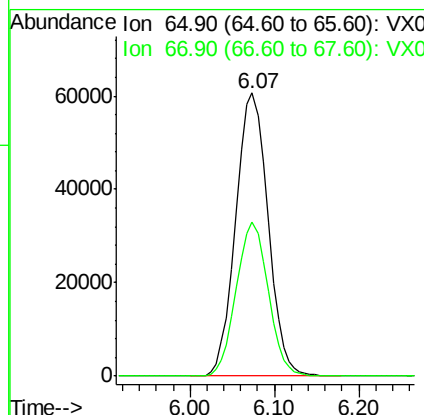
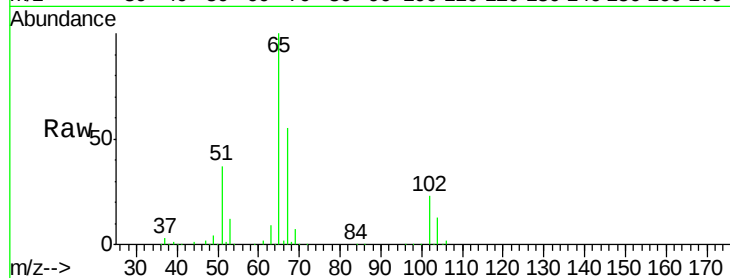




#33
 1,2-Dichloroethane-d4
 Concen: 54.69 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003602.D
 Acq: 23 Jul 2018 14:16

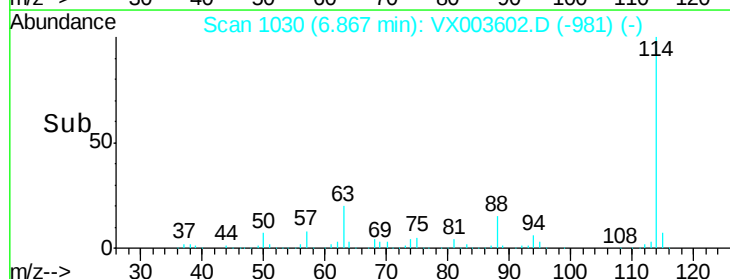
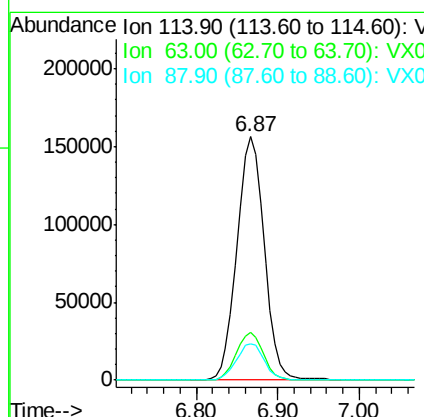
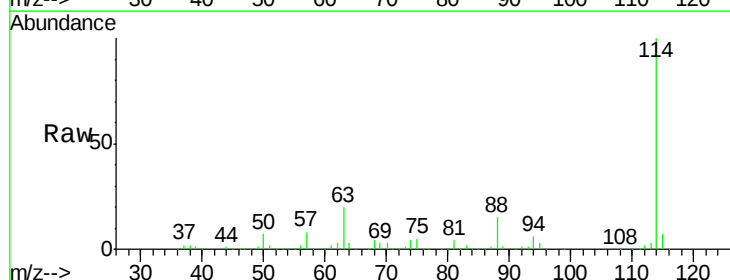
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-6

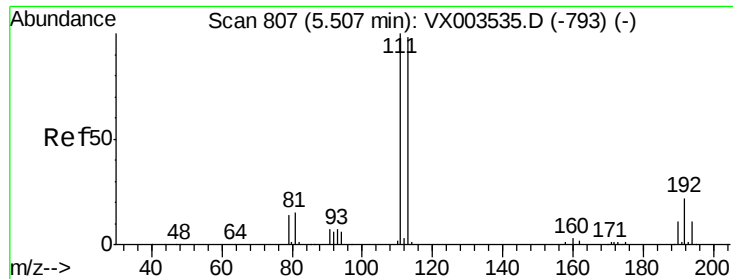
Tot Ion: 65 Resp: 157805
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003602.D
 Acq: 23 Jul 2018 14:16

Tgt Ion: 114 Resp: 361891
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.0 0.0 30.0

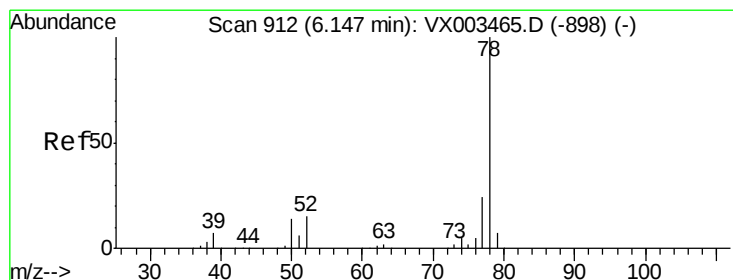
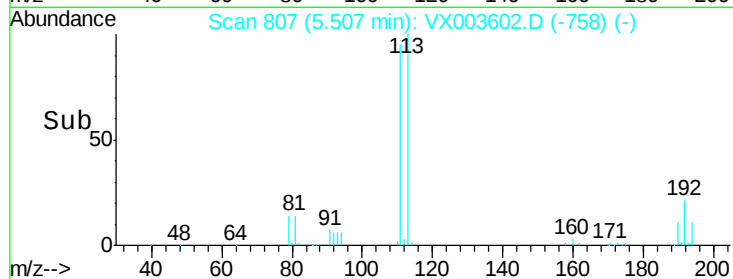
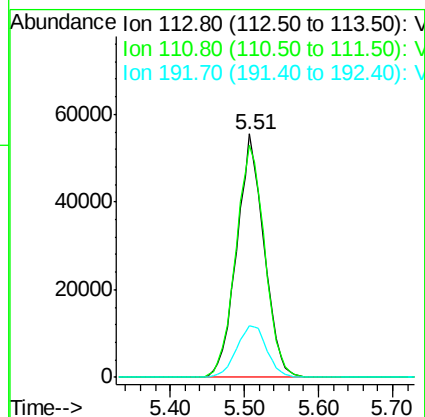
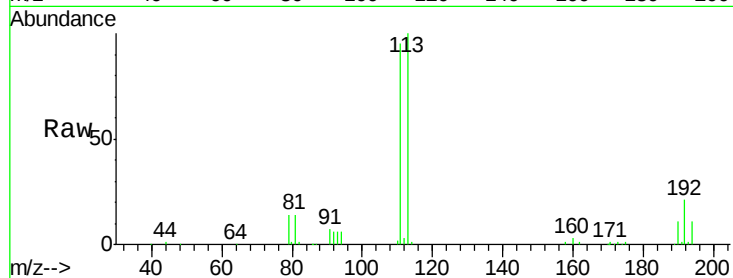




#35
 Dibromofluoromethane
 Concen: 51.73 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003602.D
 Acq: 23 Jul 2018 14:16

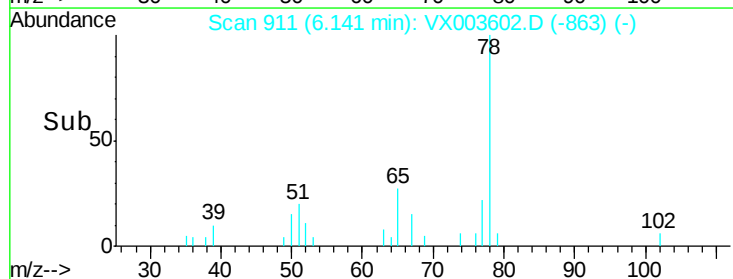
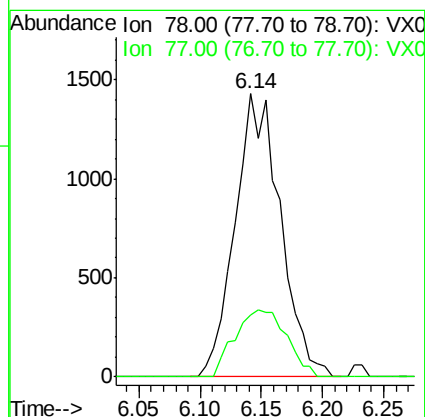
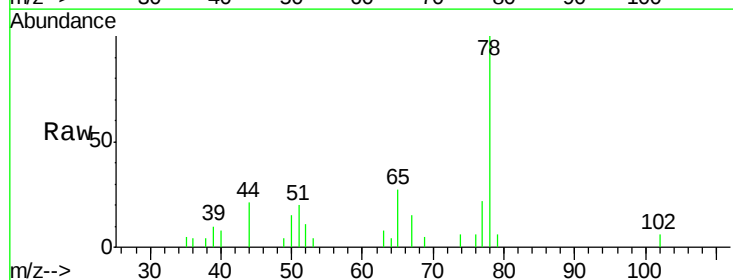
Instrument :
 MSVOA_X
 ClientSampled :
 MH-6

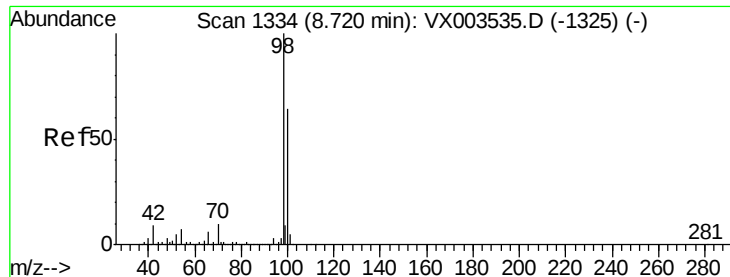
Tot Ion:113 Resp: 142594
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.4 122.0
 192 23.7 19.1 28.7



#40
 Benzene
 Concen: 0.31 ug/l
 RT: 6.14 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VX003602.D
 Acq: 23 Jul 2018 14:16

Tgt Ion: 78 Resp: 3675
 Ion Ratio Lower Upper
 78 100
 77 21.8 19.1 28.7

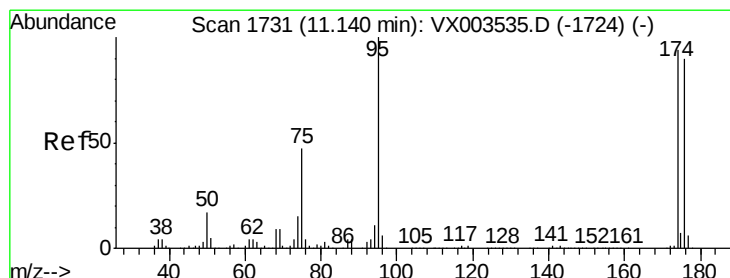
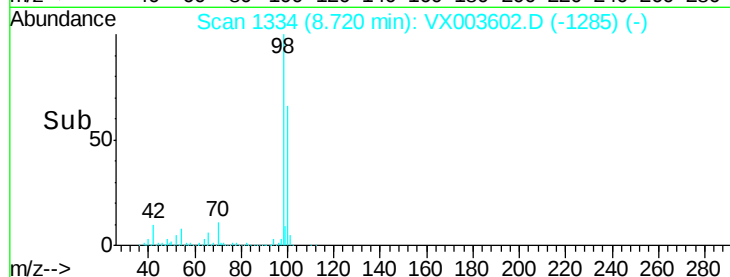
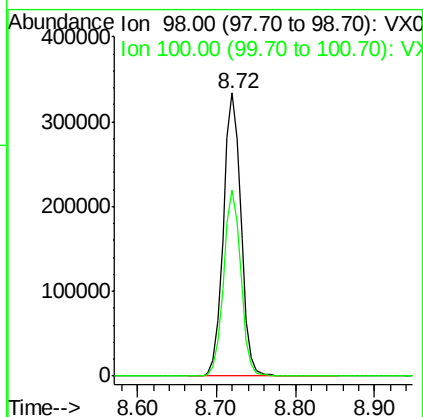
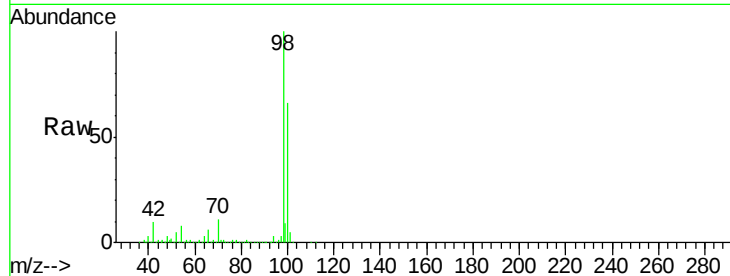




#50
Toluene-d8
Concen: 49.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003602.D
Acq: 23 Jul 2018 14:16

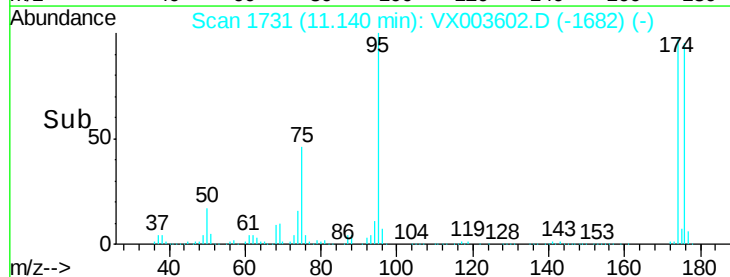
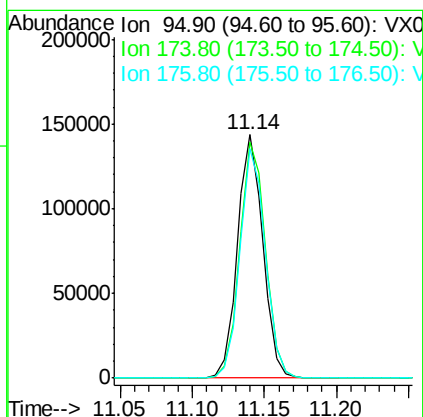
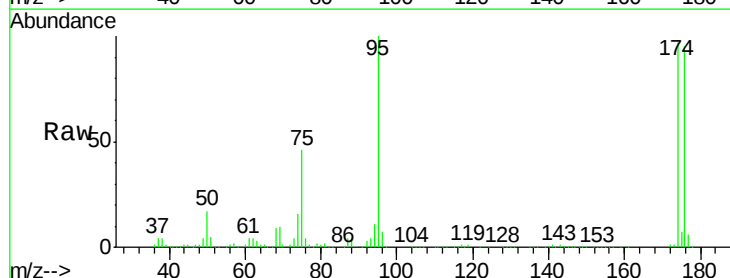
Instrument :
MSVOA_X
ClientSampleId :
MH-6

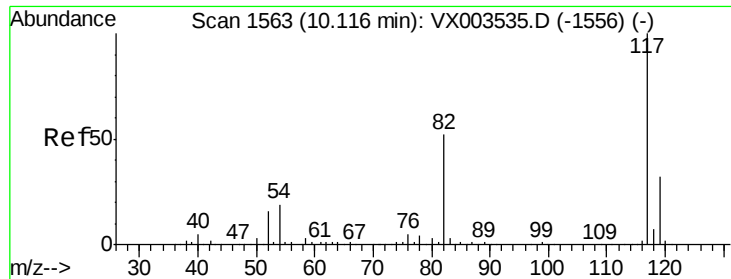
Tot Ion: 98 Resp: 517871
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.70 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003602.D
Acq: 23 Jul 2018 14:16

Tgt Ion: 95 Resp: 176583
Ion Ratio Lower Upper
95 100
174 97.8 0.0 187.4
176 94.0 0.0 181.0

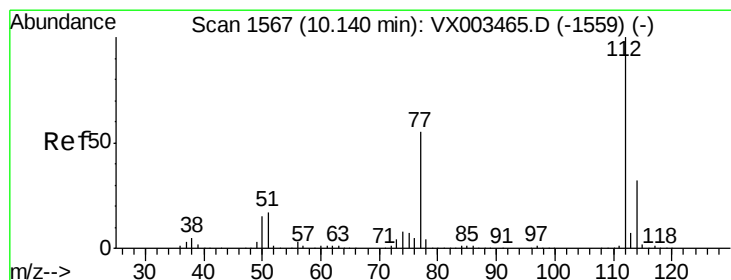
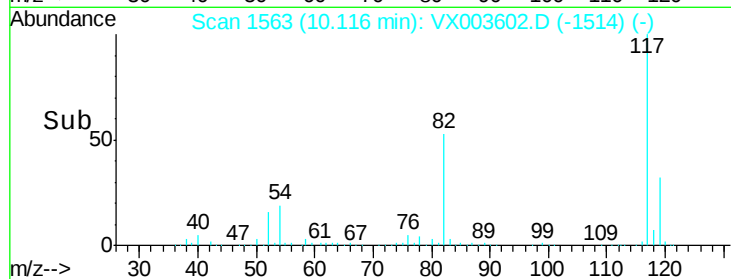
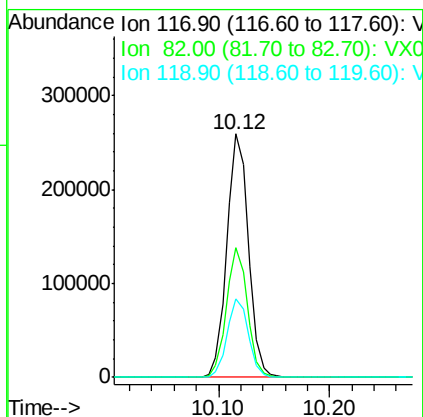
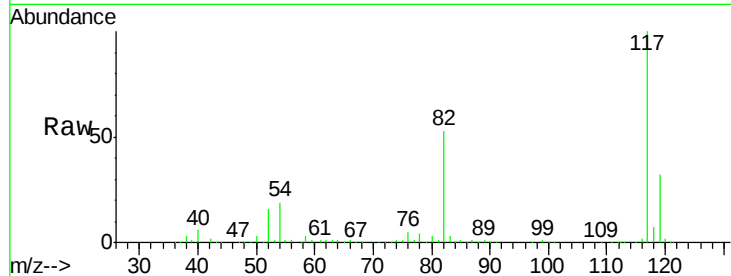




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003602.D
Acq: 23 Jul 2018 14:16

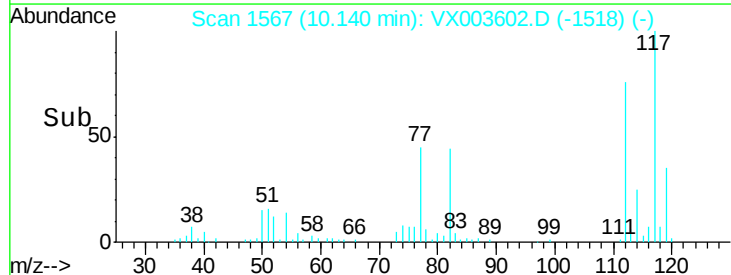
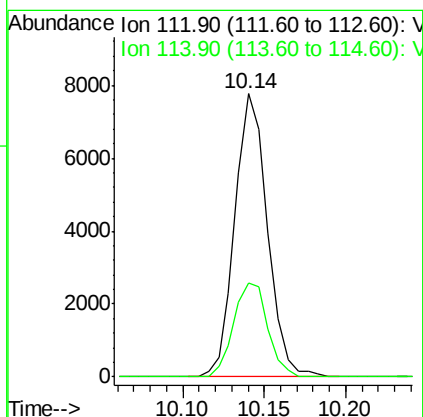
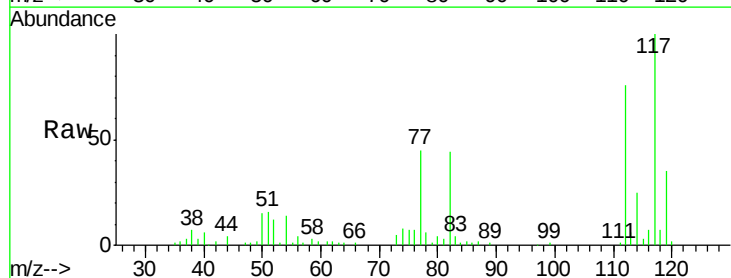
Instrument :
MSVOA_X
ClientSampleId :
MH-6

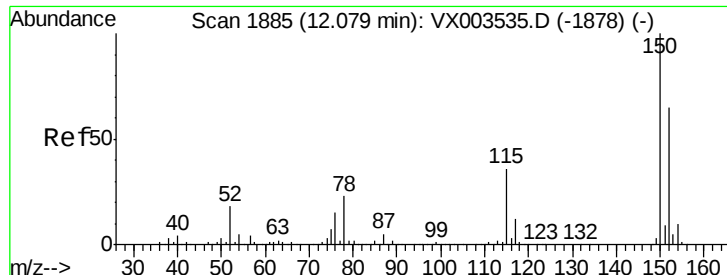
Tot Ion:117 Resp: 348123
Ion Ratio Lower Upper
117 100
82 53.4 45.0 67.4
119 32.3 25.8 38.6



#65
Chlorobenzene
Concen: 1.20 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003602.D
Acq: 23 Jul 2018 14:16

Tgt Ion:112 Resp: 10792
Ion Ratio Lower Upper
112 100
114 33.0 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003602.D

Acq: 23 Jul 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

MH-6

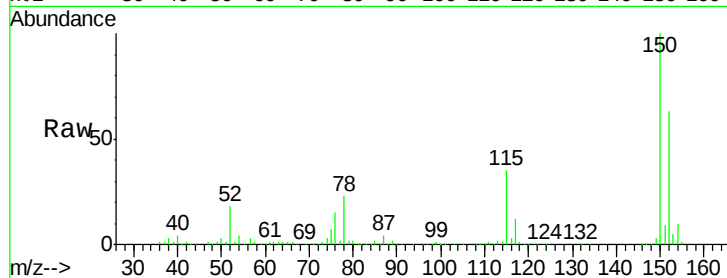
Tot Ion:152 Resp: 186934

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

150 157.3 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

