

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003988.D
 Acq On : 10 Aug 2018 20:17
 Operator : JC/MD
 Sample : J4397-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Quant Time: Aug 13 11:00:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	418252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204308	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	197814	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	5.51	113	166523	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
50) Toluene-d8	8.72	98	580447	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.14	95	192640	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	

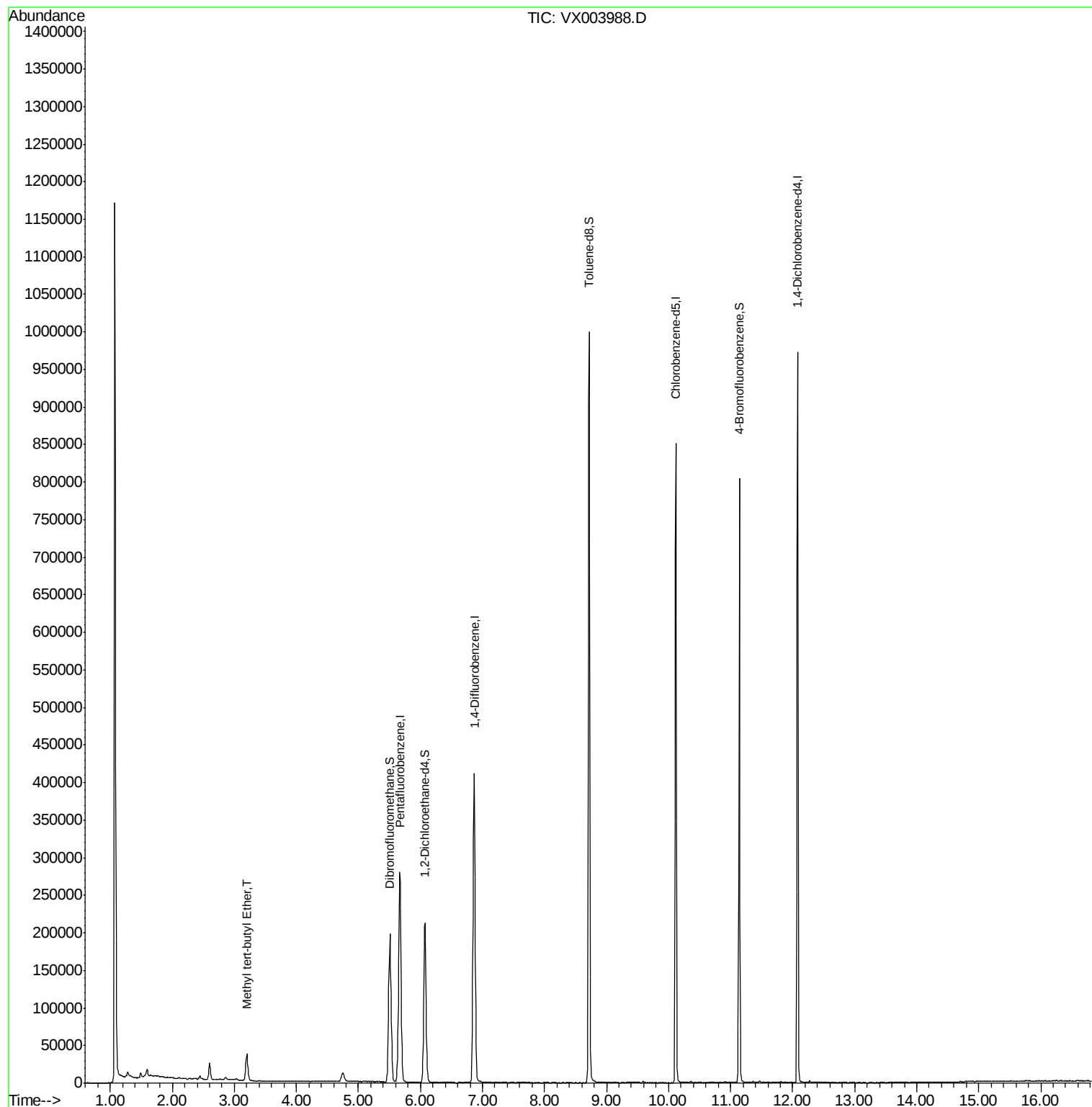
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.20	73	39994	3.74	ug/l	100

(#) = 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: VX003988.D

Acq: 10 Aug 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

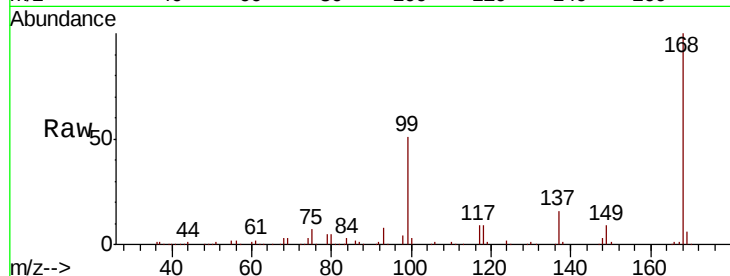
MW-12

Tot Ion:168 Resp: 280791

Ion Ratio Lower Upper

168 100

99 51.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

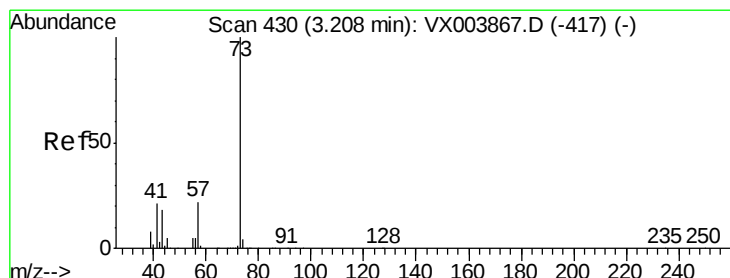
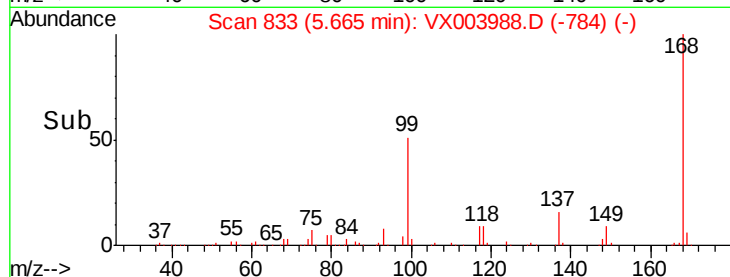
40000

20000

0

Time-->

5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 3.74 ug/l

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX003988.D

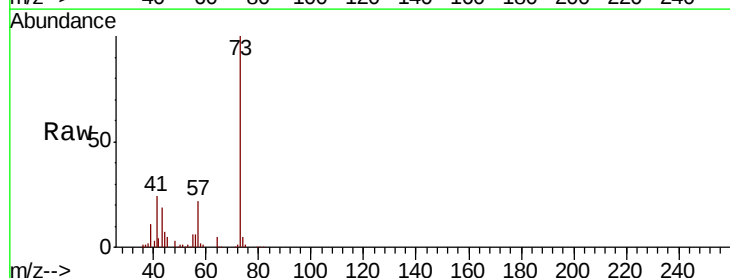
Acq: 10 Aug 2018 20:17

Tgt Ion: 73 Resp: 39994

Ion Ratio Lower Upper

73 100

57 22.5 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

20000

15000

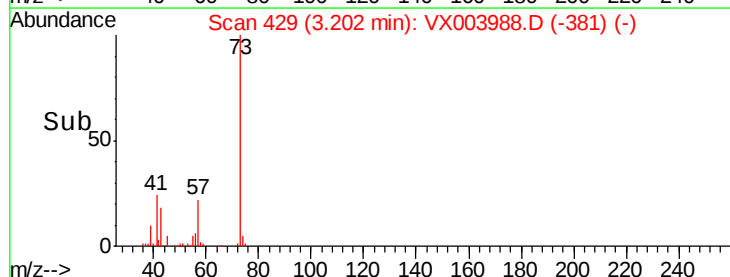
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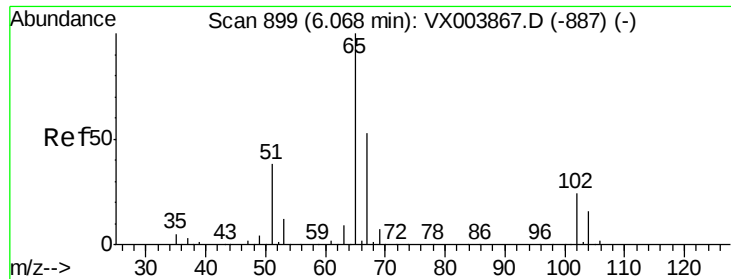
5000

0

Time-->

3.10 3.20 3.30

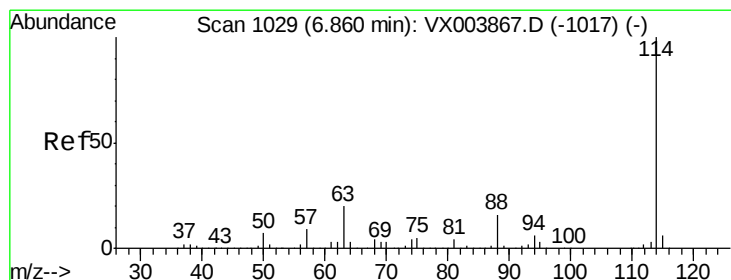
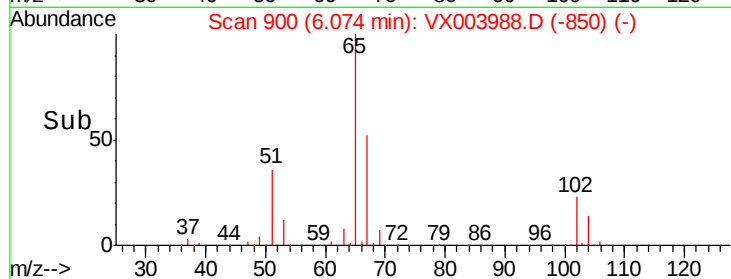
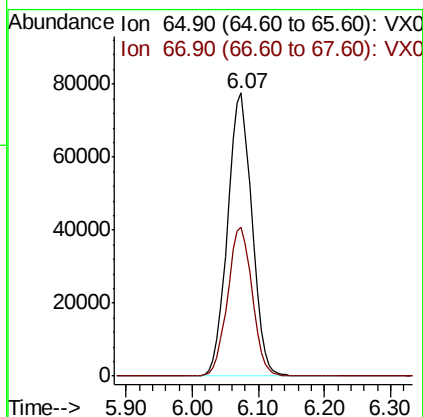
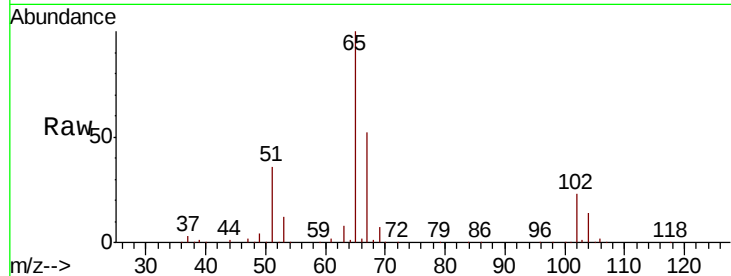




#33
 1,2-Dichloroethane-d4
 Concen: 53.15 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003988.D
 Acq: 10 Aug 2018 20:17

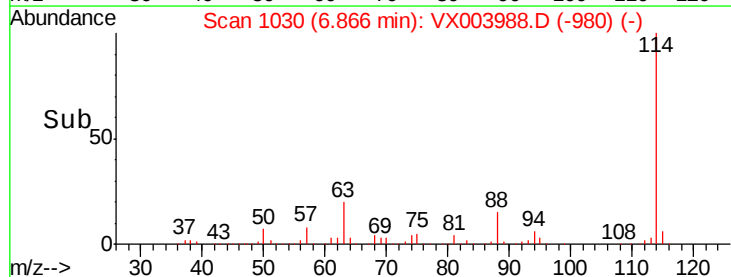
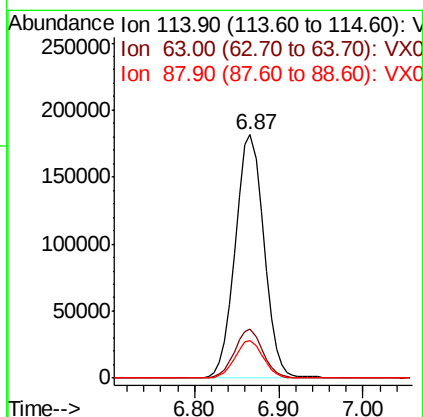
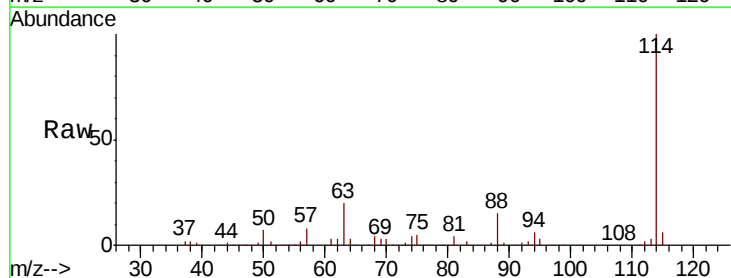
Instrument :
 MSVOA_X
 ClientSampled :
 MW-12

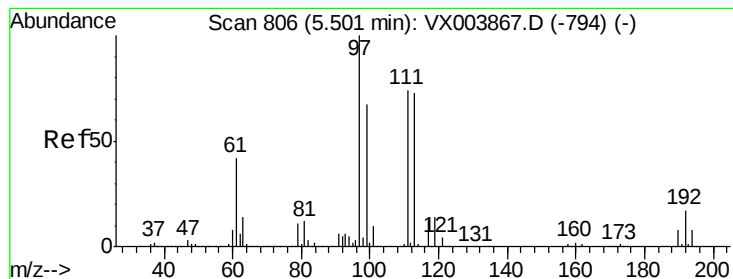
Tot Ion: 65 Resp: 197814
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003988.D
 Acq: 10 Aug 2018 20:17

Tgt Ion: 114 Resp: 418252
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.55 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003988.D

Acq: 10 Aug 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

MW-12

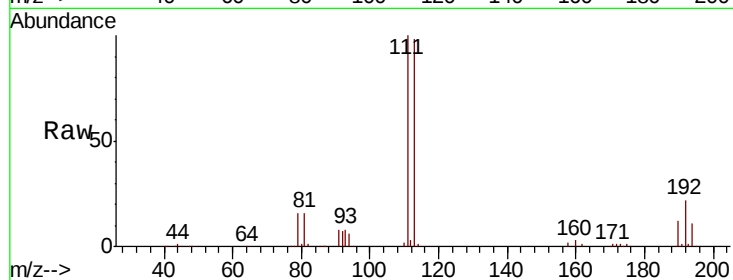
Tot Ion:113 Resp: 166523

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

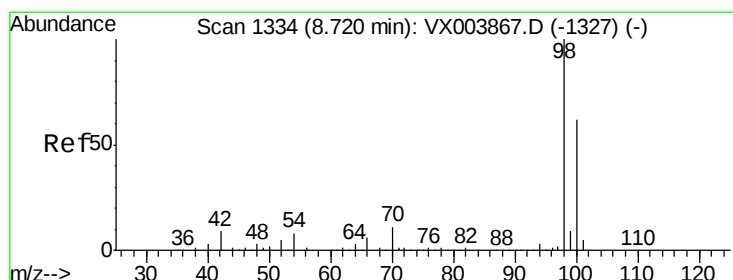
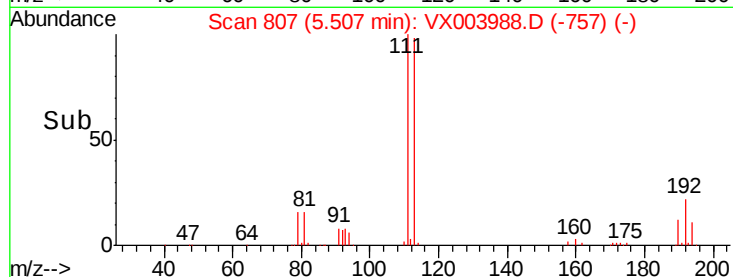
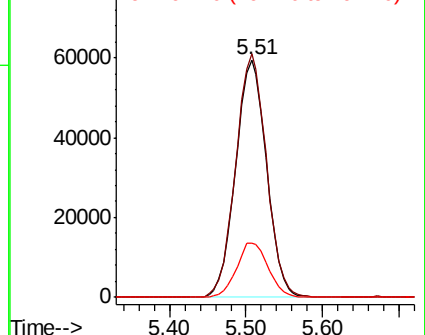
192 23.4 19.0 28.4



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: 47.11 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003988.D

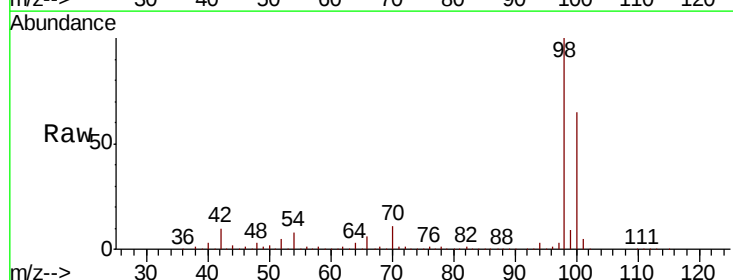
Acq: 10 Aug 2018 20:17

Tgt Ion: 98 Resp: 580447

Ion Ratio Lower Upper

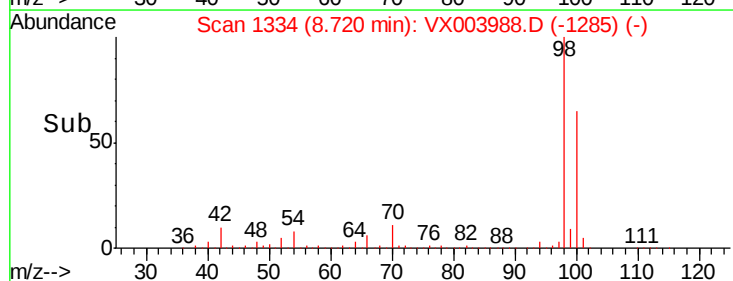
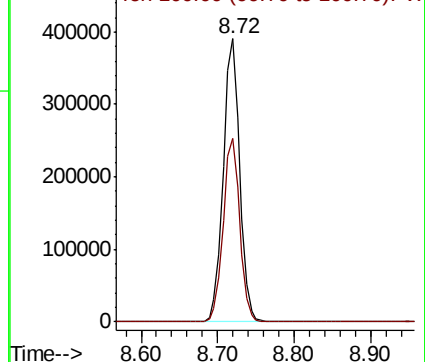
98 100

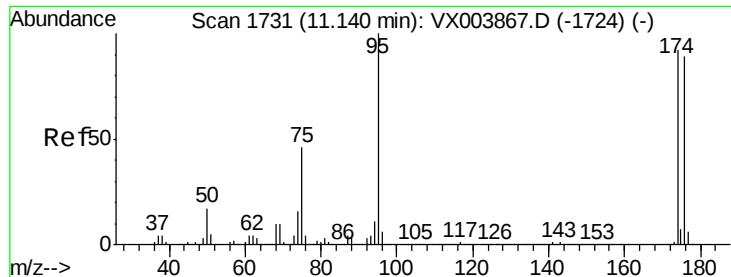
100 65.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

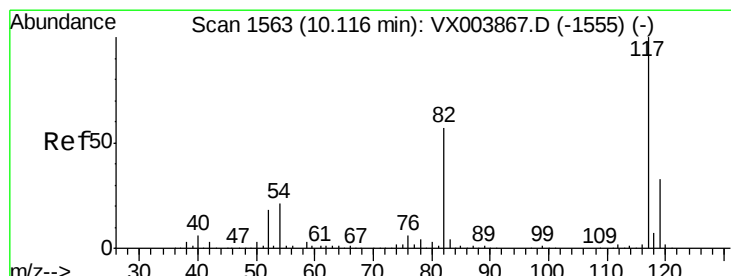
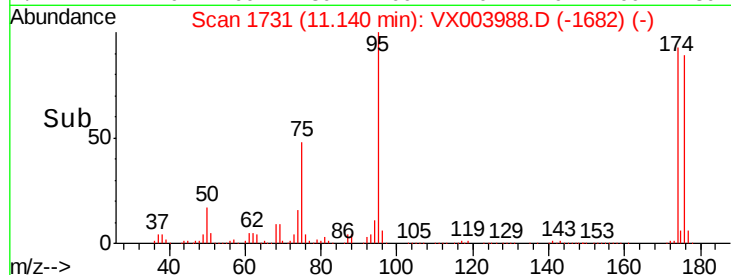
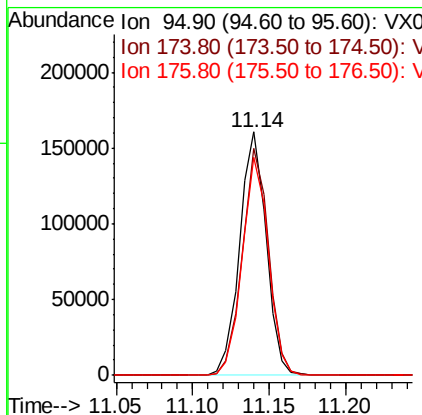
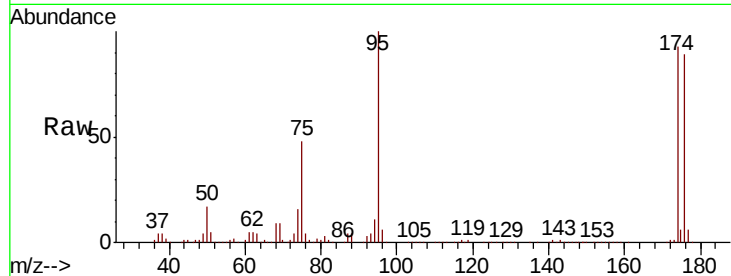




#62
4-Bromofluorobenzene
Concen: 48.32 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003988.D
Acq: 10 Aug 2018 20:17

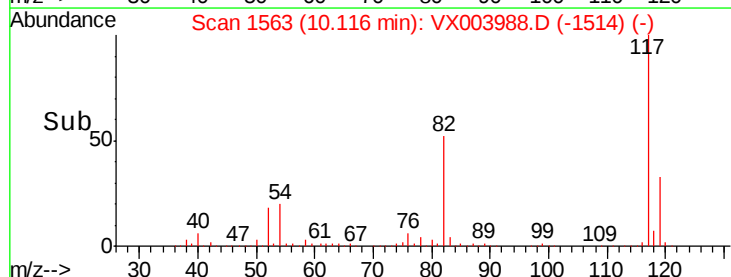
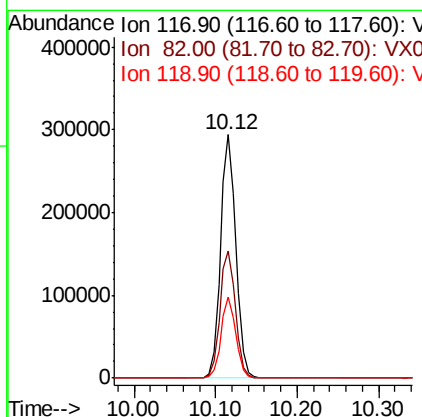
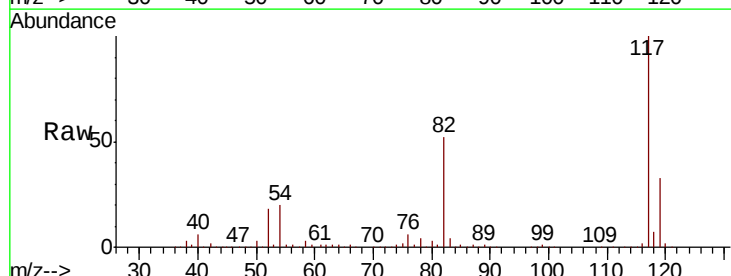
Instrument :
MSVOA_X
ClientSampleId :
MW-12

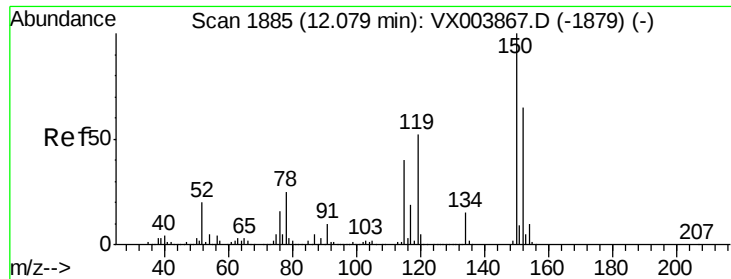
Tot Ion: 95 Resp: 192640
Ion Ratio Lower Upper
95 100
174 93.0 0.0 182.8
176 89.1 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003988.D
Acq: 10 Aug 2018 20:17

Tgt Ion: 117 Resp: 384324
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.0
119 33.3 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003988.D

Acq: 10 Aug 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

MW-12

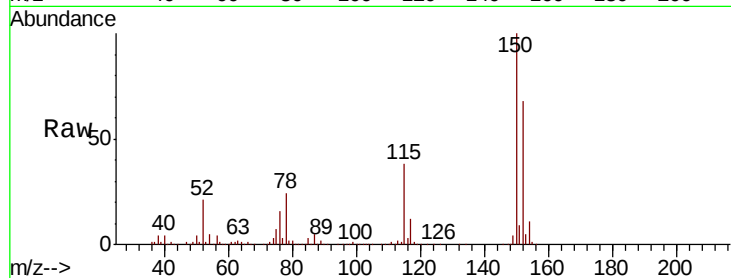
Tot Ion:152 Resp: 204308

Ion Ratio Lower Upper

152 100

115 54.6 39.1 117.3

150 153.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

300000

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

200000

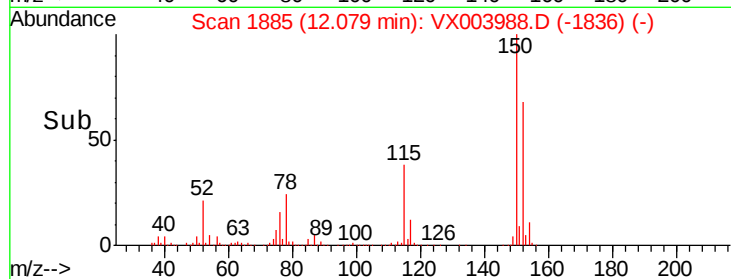
100000

0

12.00

12.10

12.20



Time-->