

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004133.D
 Acq On : 17 Aug 2018 15:43
 Operator : JC/MD
 Sample : J4522-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Aug 20 09:59:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192364	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	181044	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.36%	
35) Dibromofluoromethane	5.51	113	155256	55.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.62%	
50) Toluene-d8	8.72	98	539733	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	11.14	95	181915	44.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.14%	

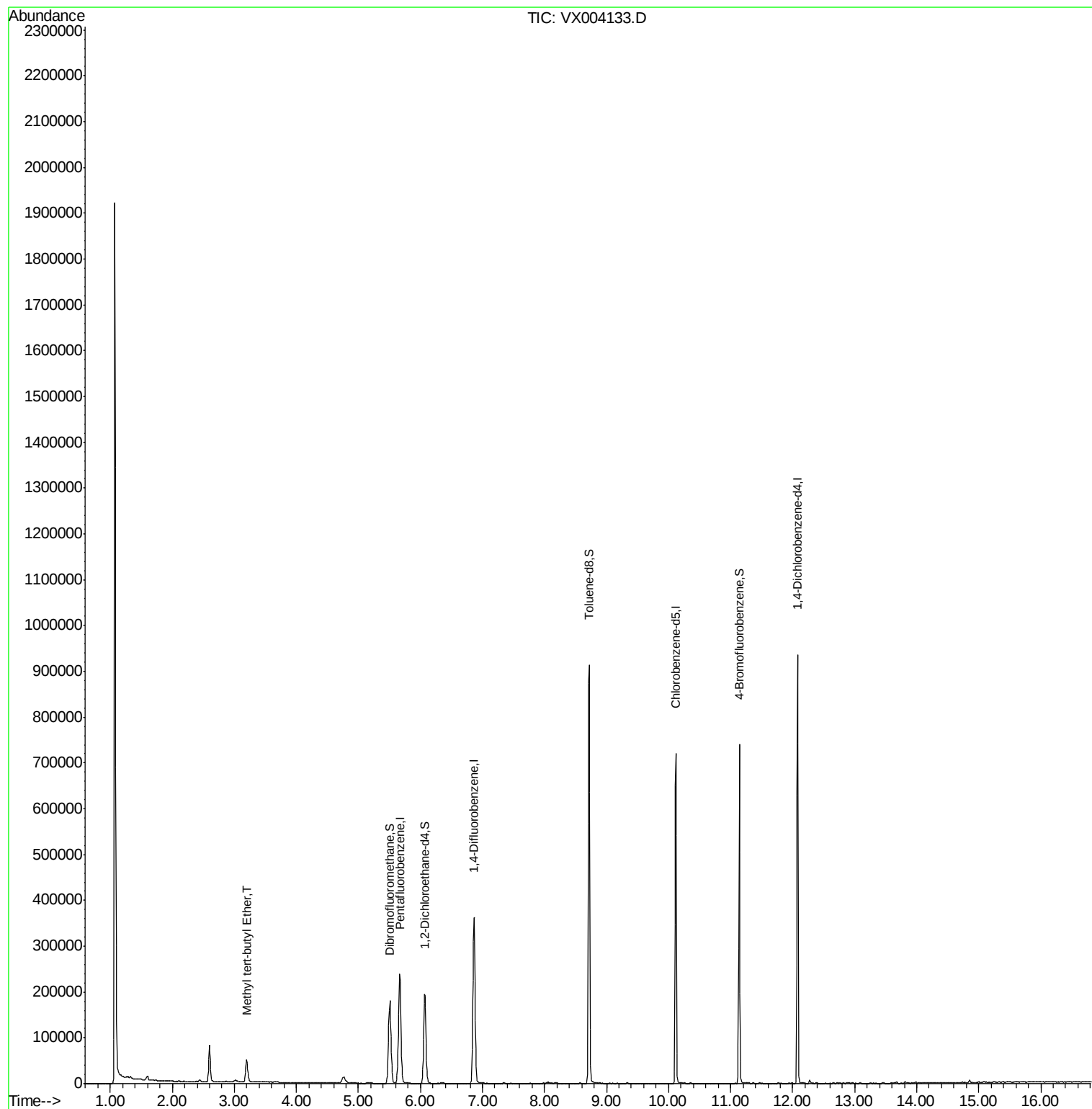
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.20	73	55495	6.20	ug/l	99

(#) = 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: VX004133.D

Acq: 17 Aug 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

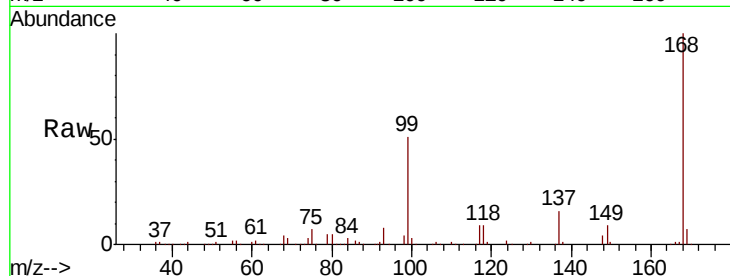
MW-3

Tot Ion:168 Resp: 241612

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

80000

60000

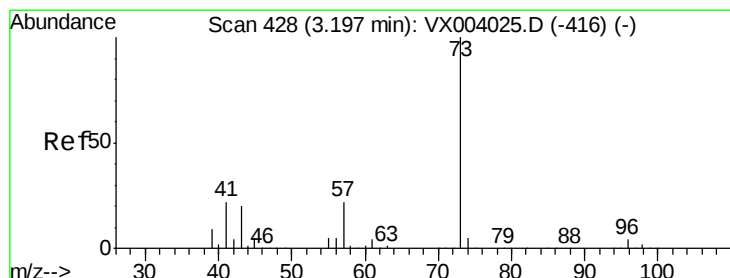
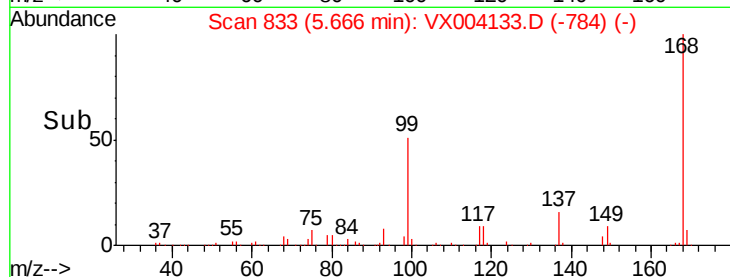
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#19

Methyl tert-butyl Ether

Concen: 6.20 ug/l

RT: 3.20 min Scan# 429

Delta R.T. 0.01 min

Lab File: VX004133.D

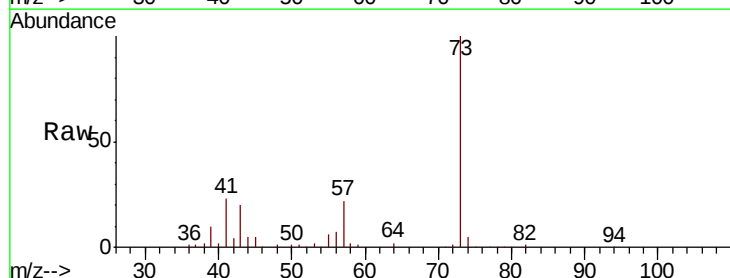
Acq: 17 Aug 2018 15:43

Tgt Ion: 73 Resp: 55495

Ion Ratio Lower Upper

73 100

57 21.9 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

25000

20000

15000

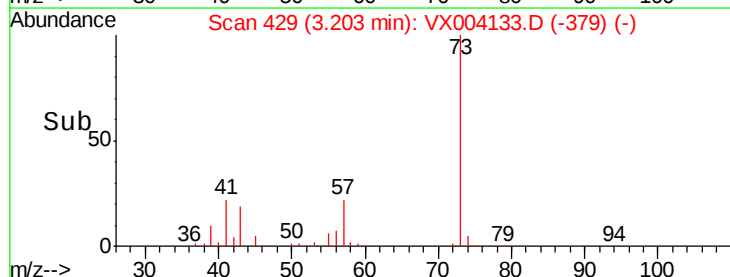
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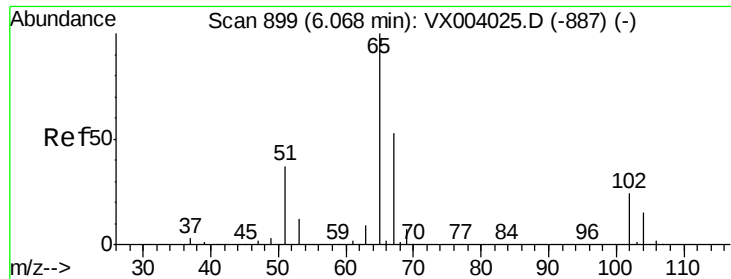
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0

Time-->

3.10 3.20 3.30

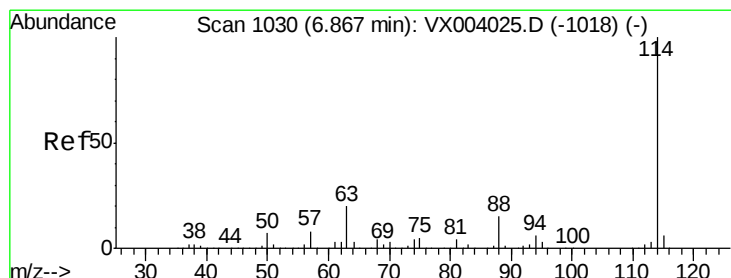
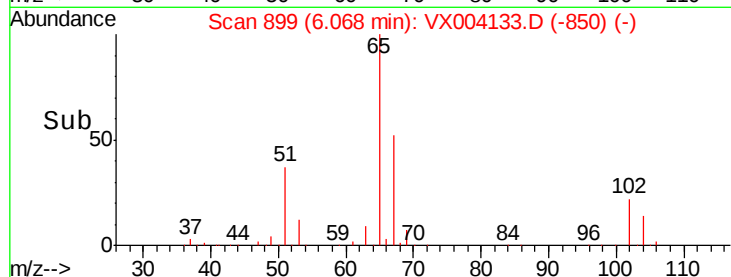
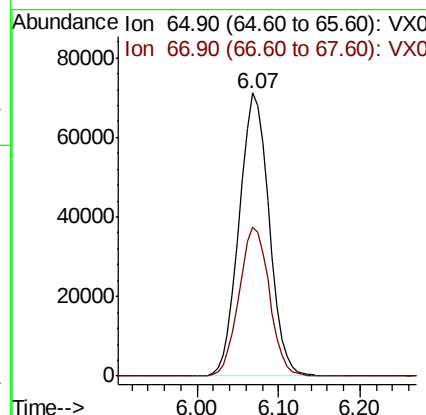
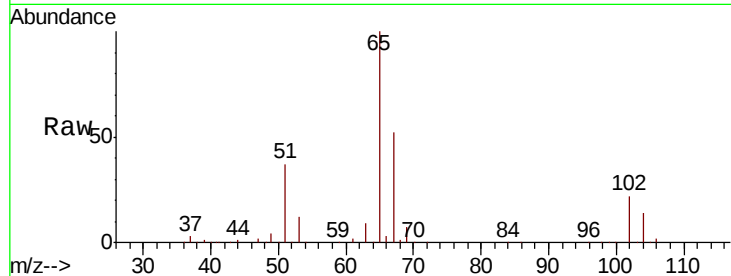




#33
 1,2-Dichloroethane-d4
 Concen: 53.18 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004133.D
 Acq: 17 Aug 2018 15:43

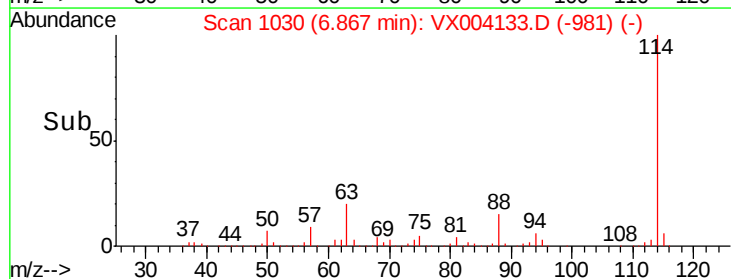
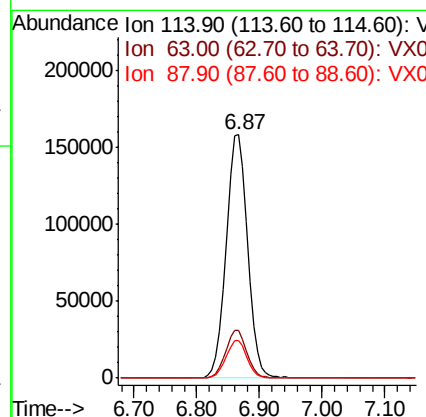
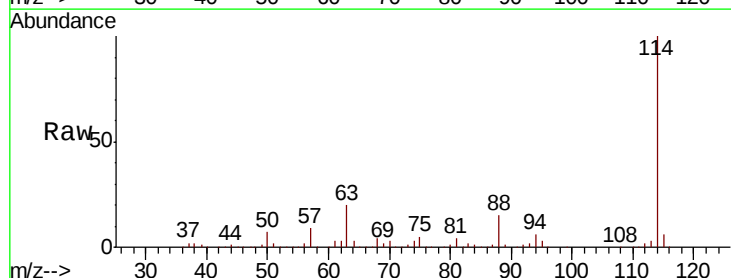
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

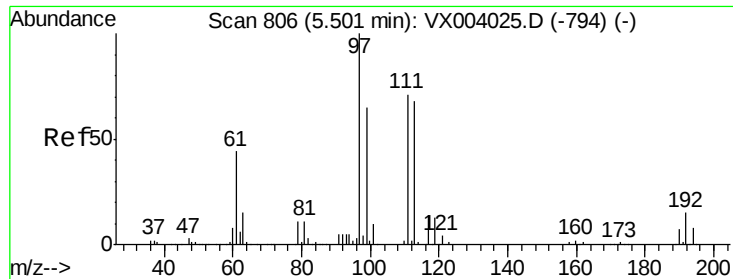
Tot Ion: 65 Resp: 181044
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004133.D
 Acq: 17 Aug 2018 15:43

Tgt Ion: 114 Resp: 375085
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.5 0.0 32.0

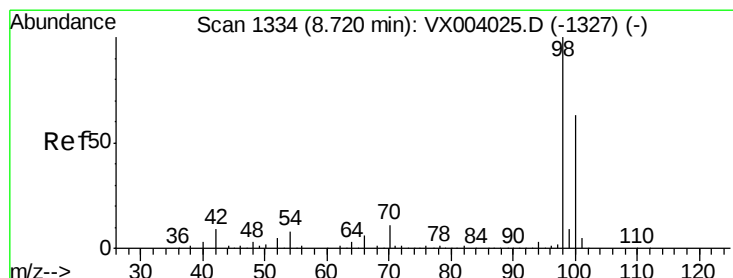
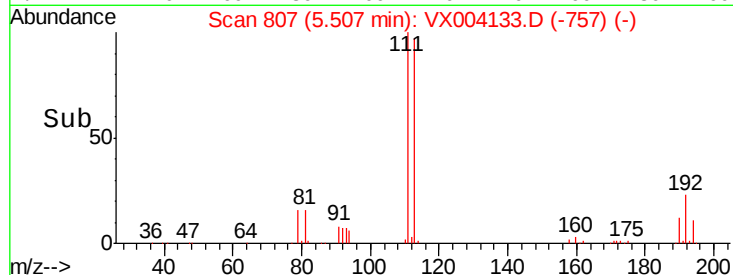
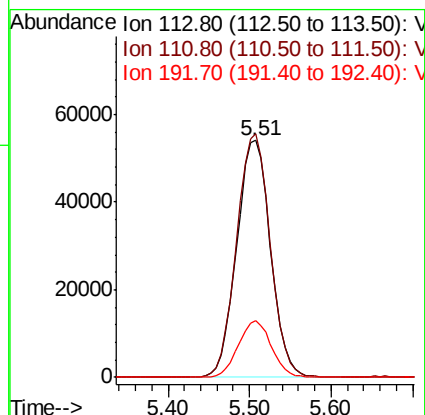
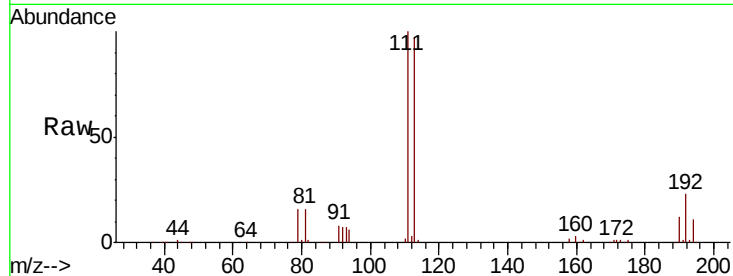




#35
 Dibromofluoromethane
 Concen: 55.31 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004133.D
 Acq: 17 Aug 2018 15:43

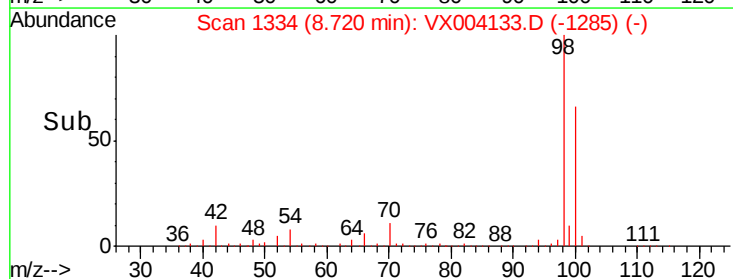
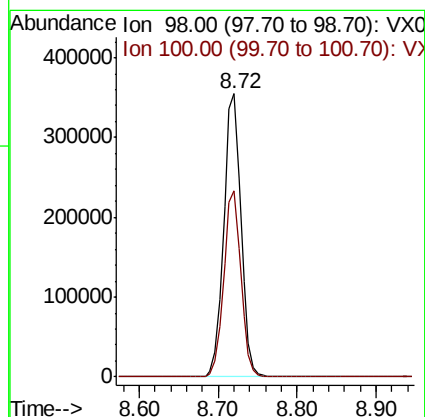
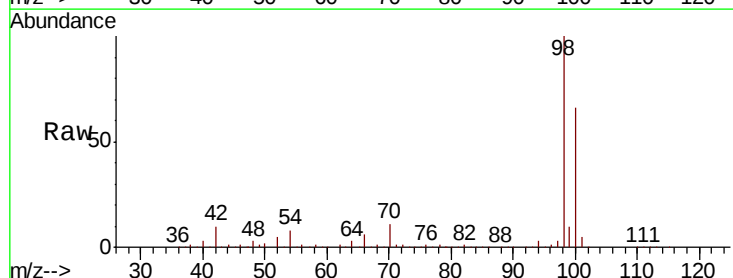
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

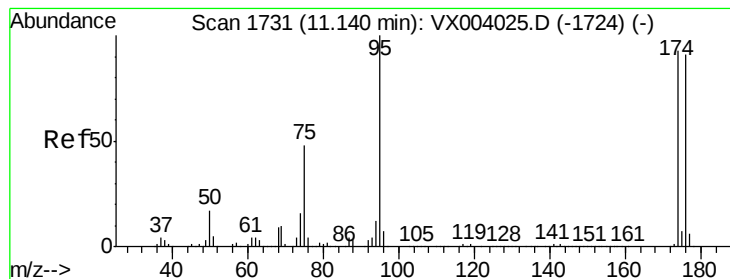
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	23.5	19.0	28.4



#50
 Toluene-d8
 Concen: 47.42 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004133.D
 Acq: 17 Aug 2018 15:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.3	79.9





#62

4-Bromofluorobenzene

Concen: 44.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004133.D

Acq: 17 Aug 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

MW-3

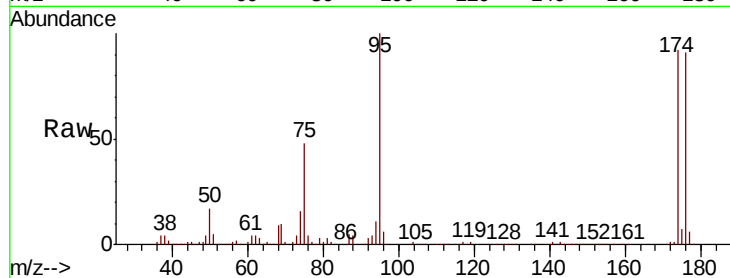
Tot Ion: 95 Resp: 181915

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

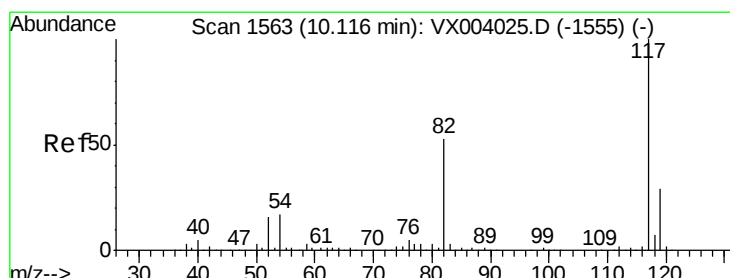
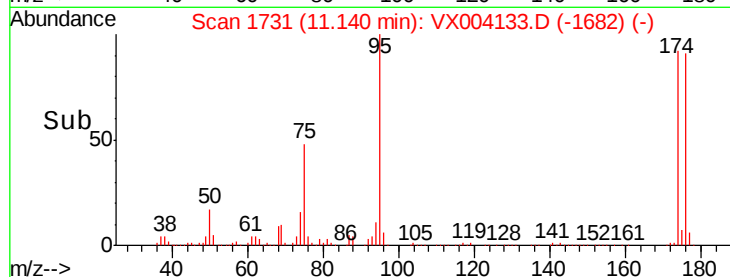
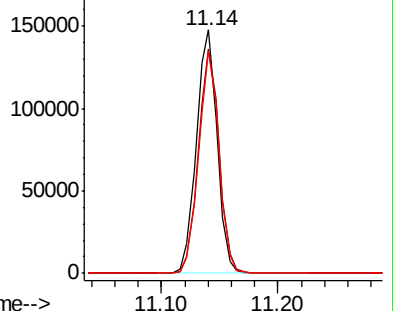
176 89.5 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004133.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004133.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004133.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004133.D

Acq: 17 Aug 2018 15:43

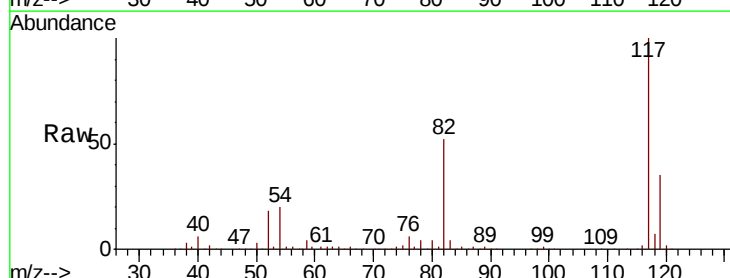
Tgt Ion: 117 Resp: 339284

Ion Ratio Lower Upper

117 100

82 52.2 45.4 68.0

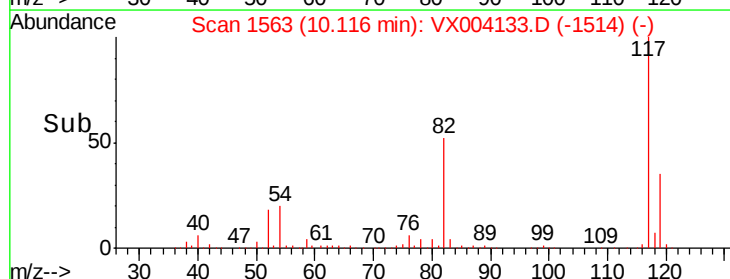
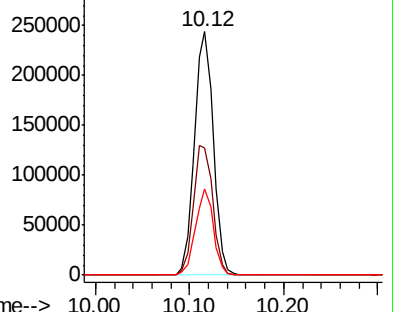
119 35.3 26.6 40.0

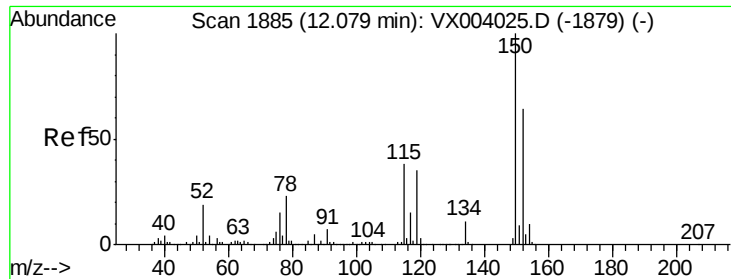


Abundance Ion 116.90 (116.60 to 117.60): VX004133.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004133.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004133.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004133.D

Acq: 17 Aug 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

MW-3

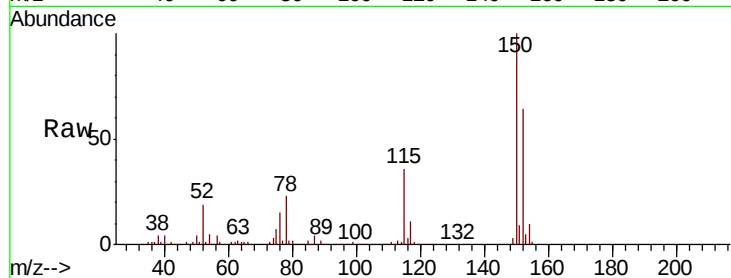
Tot Ion:152 Resp: 192364

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

150 157.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

300000

Ion 114.90 (114.60 to 115.60): V

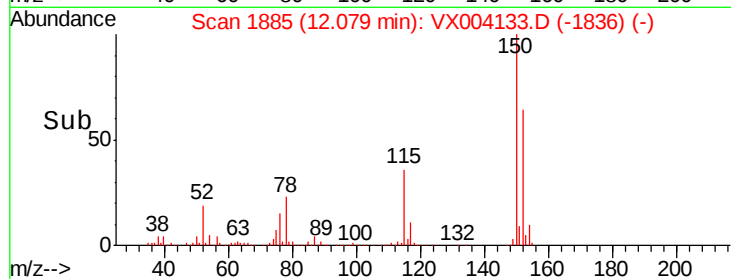
Ion 149.90 (149.60 to 150.60): V

200000

100000

0

Time-->



12.08

12.00

12.10

12.20