

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002131.D
 Acq On : 30 May 2018 09:05
 Operator : JC/MD
 Sample : J3165-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-30

Quant Time: Jun 08 13:35:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

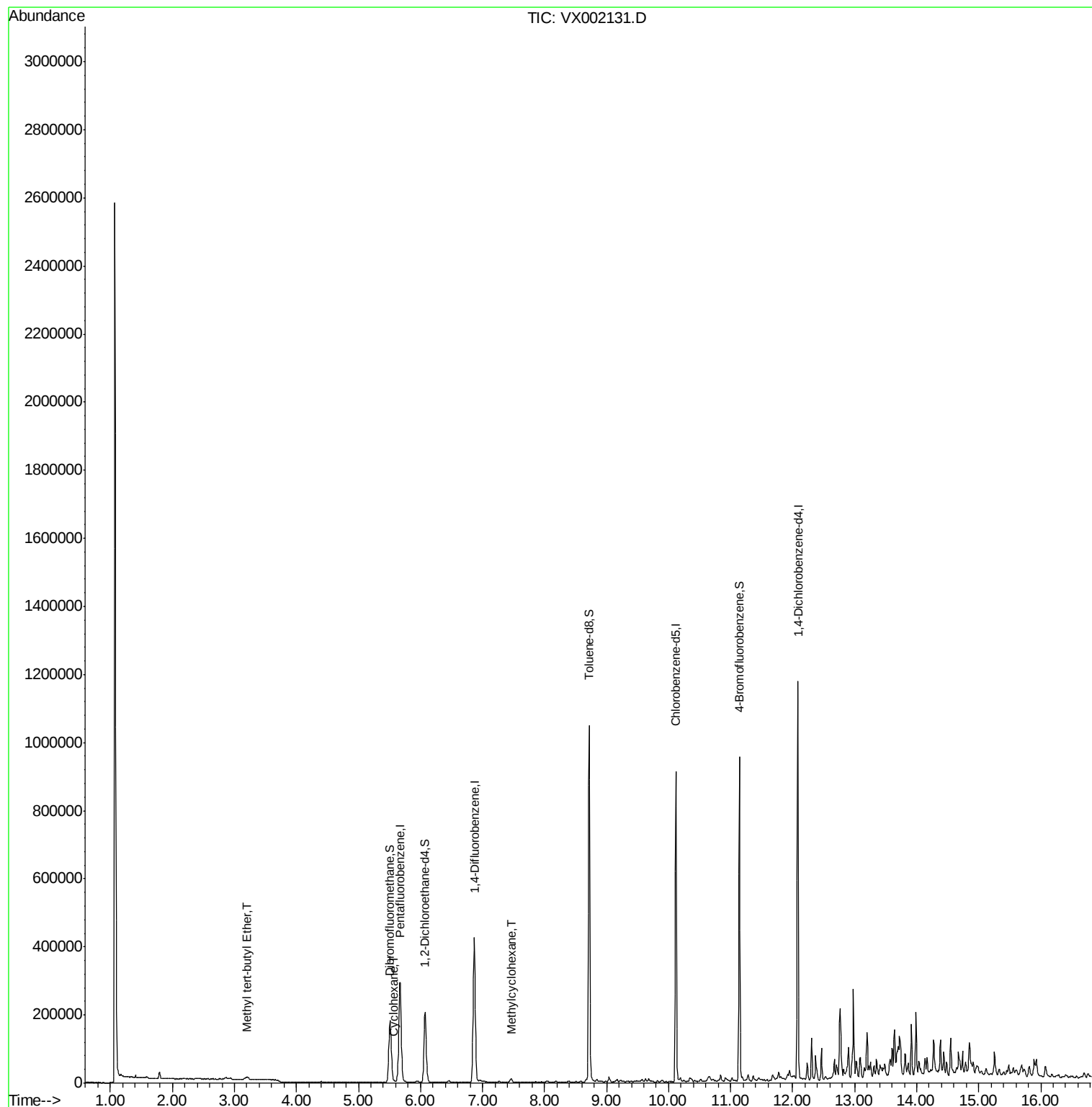
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243823	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	198900	37.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.76%	
35) Dibromofluoromethane	5.51	113	148471	35.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.34%	
50) Toluene-d8	8.72	98	607107	39.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.44%	
62) 4-Bromofluorobenzene	11.14	95	229691	38.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.82%	
Target Compounds						
19) Methyl tert-butyl Ether	3.21	73	9568	0.73	ug/l	98
31) Cyclohexane	5.57	56	2773	0.38	ug/l	94
39) Methylcyclohexane	7.46	83	3811	0.53	ug/l	98

(#) = 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. -0.00 min

Lab File: VX002131.D

Acq: 30 May 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

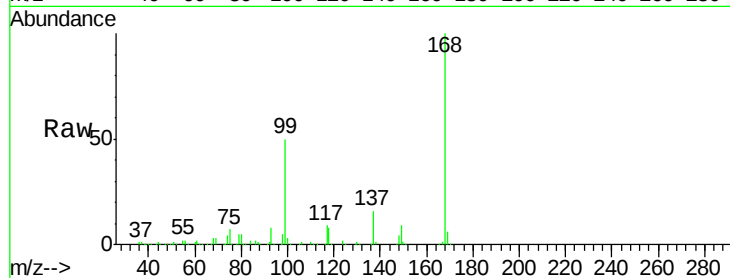
MW-30

Tot Ion:168 Resp: 297680

Ion Ratio Lower Upper

168 100

99 50.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

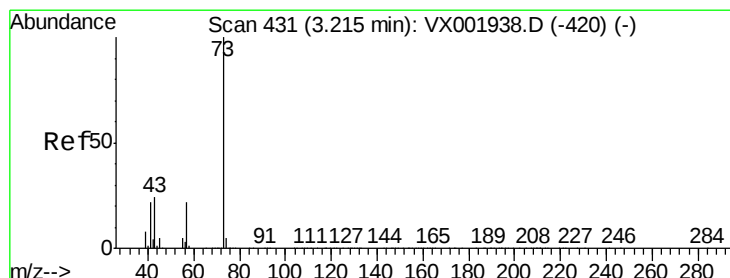
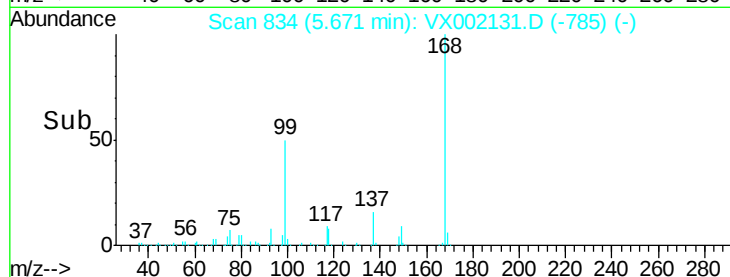
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 0.73 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX002131.D

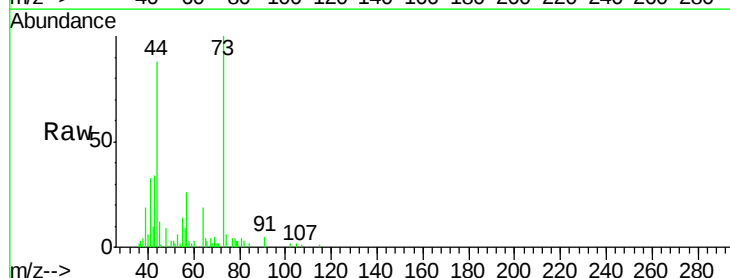
Acq: 30 May 2018 09:05

Tgt Ion: 73 Resp: 9568

Ion Ratio Lower Upper

73 100

57 22.5 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

4000

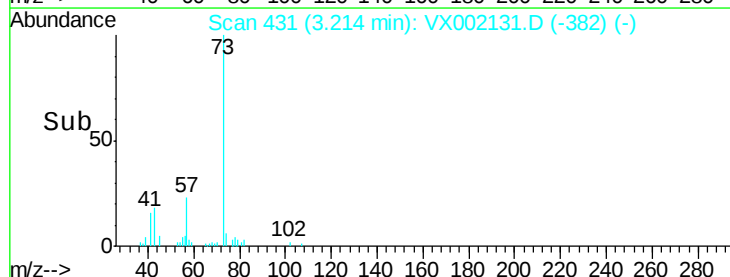
3000

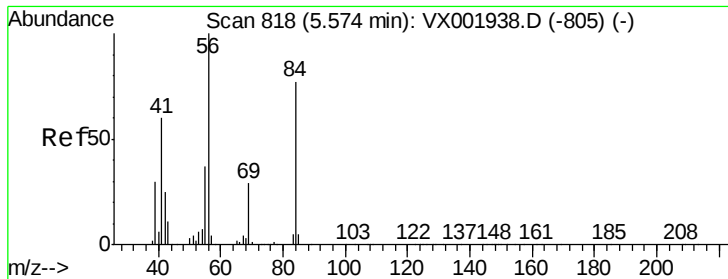
2000

1000

0

Time--> 3.10 3.15 3.20 3.25 3.30

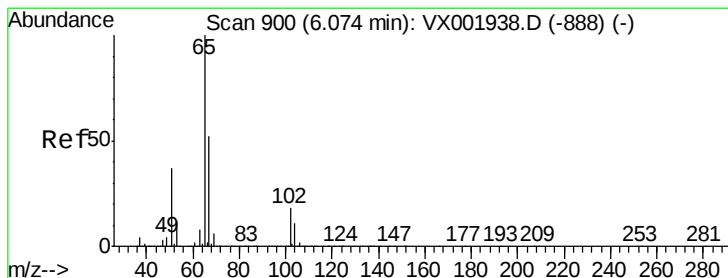
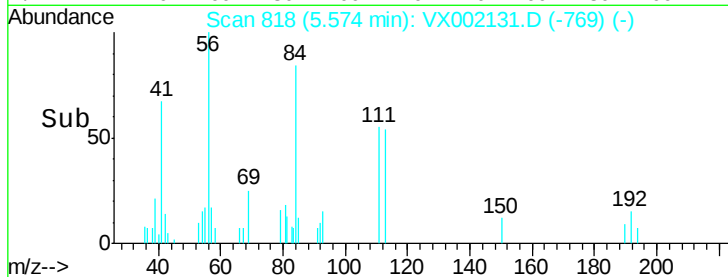
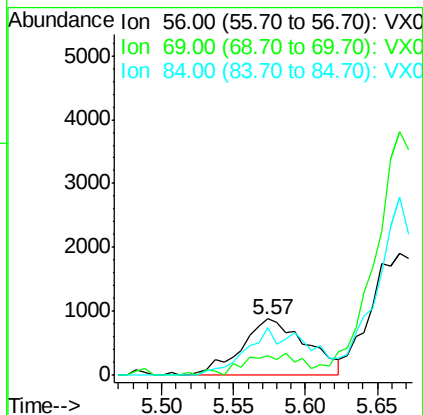
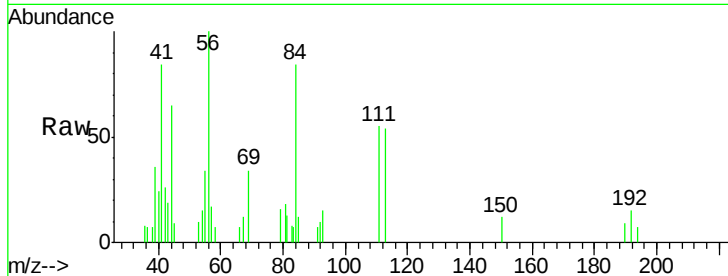




#31
Cyclohexane
Concen: 0.38 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX002131.D
Acq: 30 May 2018 09:05

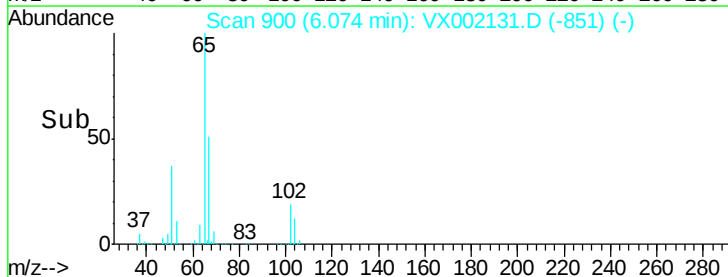
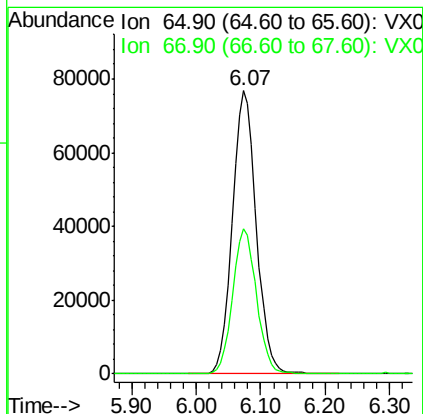
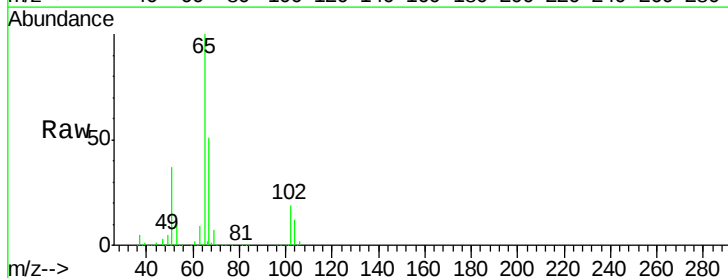
Instrument :
MSVOA_X
ClientSampled :
MW-30

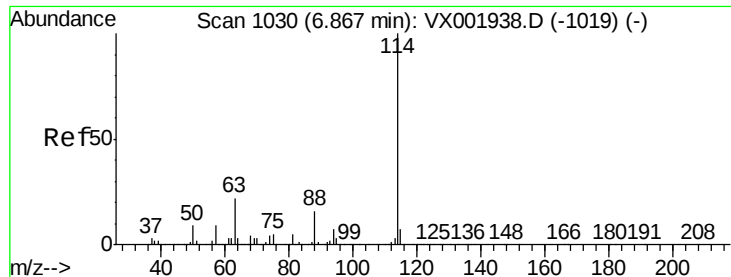
Tot Ion: 56 Resp: 2773
Ion Ratio Lower Upper
56 100
69 28.0 23.1 34.7
84 84.0 62.0 93.0



#33
1,2-Dichloroethane-d4
Concen: 37.38 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002131.D
Acq: 30 May 2018 09:05

Tgt Ion: 65 Resp: 198900
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002131.D

Acq: 30 May 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

MW-30

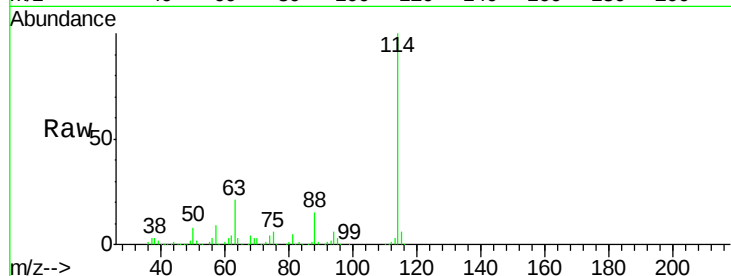
Tot Ion:114 Resp: 422190

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

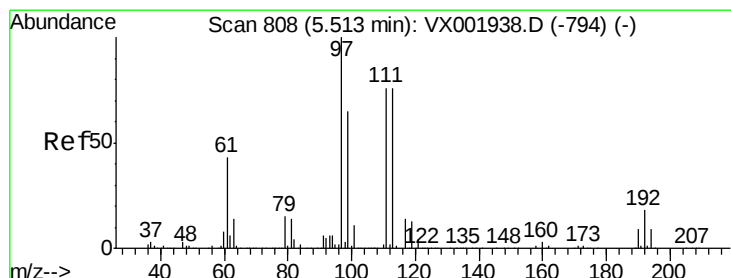
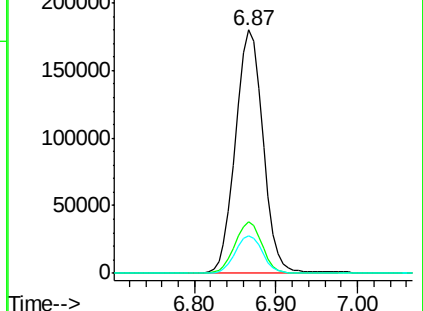
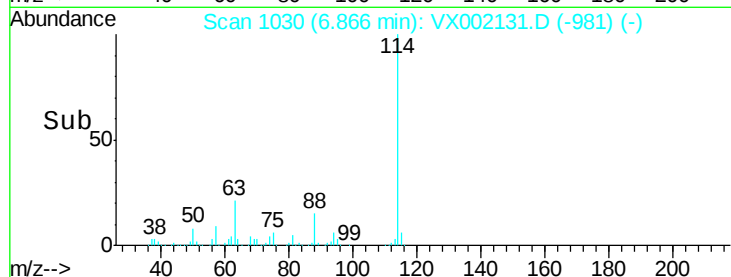
88 15.2 0.0 31.6



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: 35.17 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002131.D

Acq: 30 May 2018 09:05

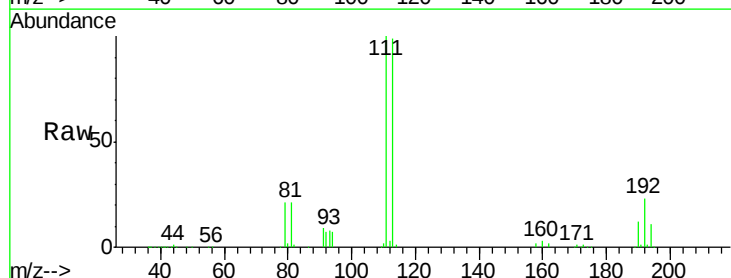
Tgt Ion:113 Resp: 148471

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

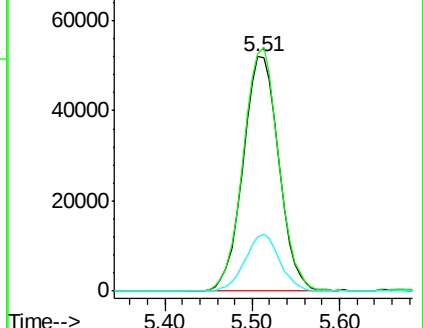
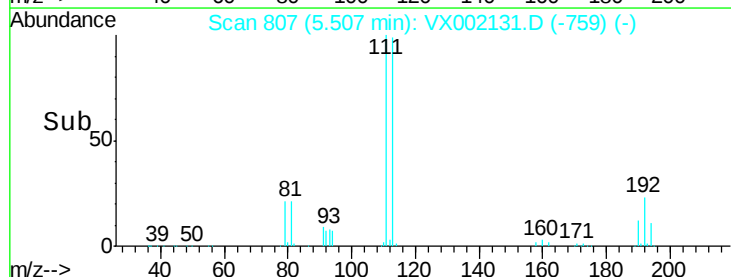
192 23.5 18.9 28.3

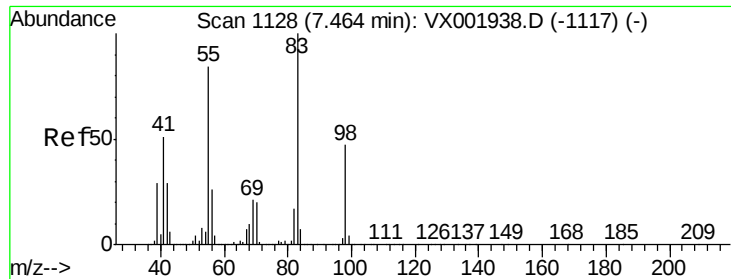


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

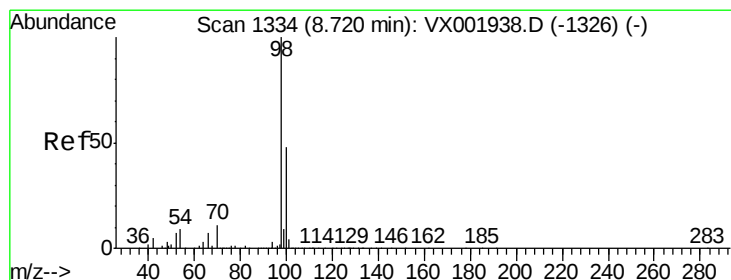
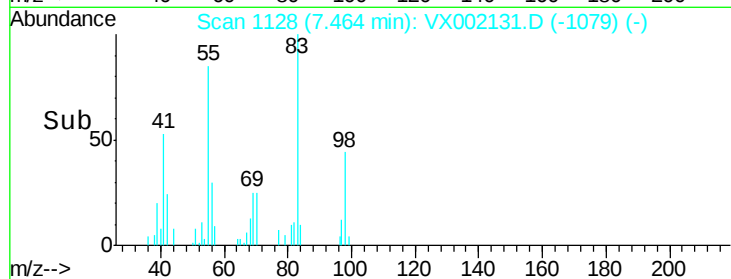
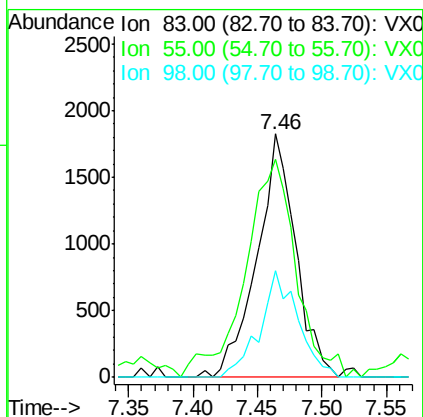
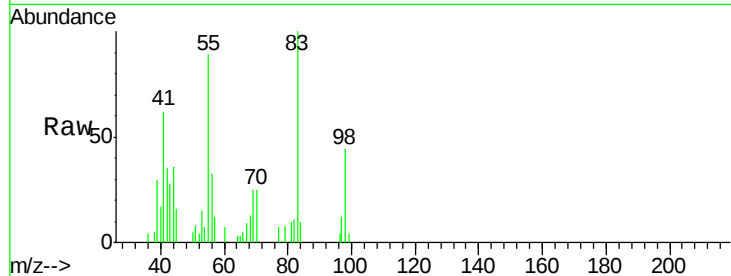




#39
Methvlcvclohexane
Concen: 0.53 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002131.D
Acq: 30 May 2018 09:05

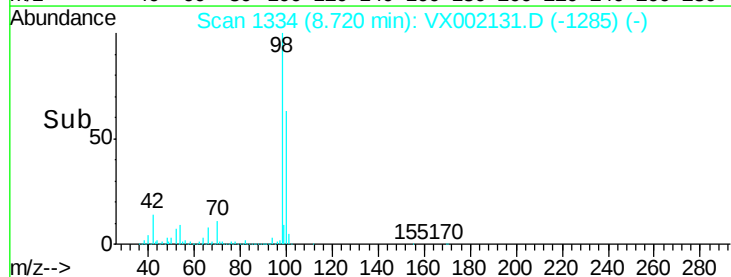
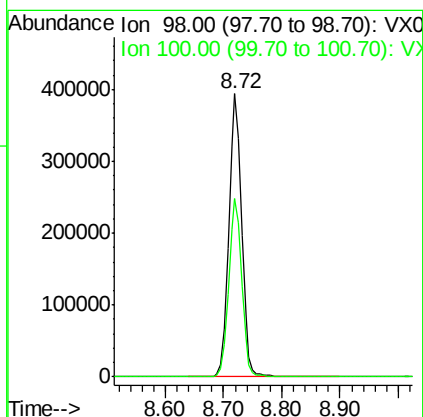
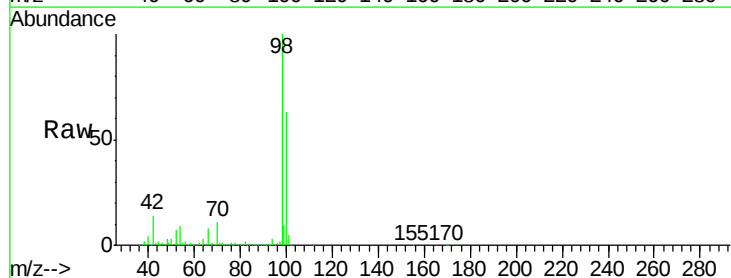
Instrument :
MSVOA_X
ClientSampleId :
MW-30

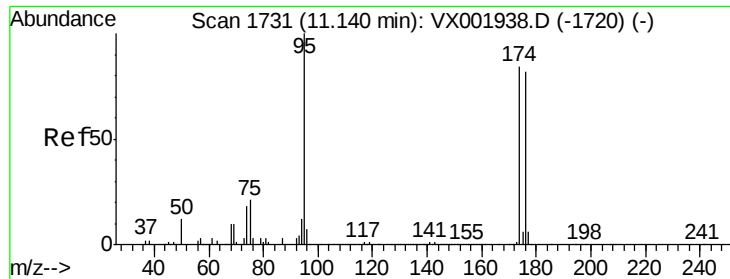
Tot Ion: 83 Resp: 3811
Ion Ratio Lower Upper
83 100
55 84.0 67.3 100.9
98 43.9 37.5 56.3



#50
Toluene-d8
Concen: 39.72 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002131.D
Acq: 30 May 2018 09:05

Tgt Ion: 98 Resp: 607107
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 38.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002131.D

Acq: 30 May 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

MW-30

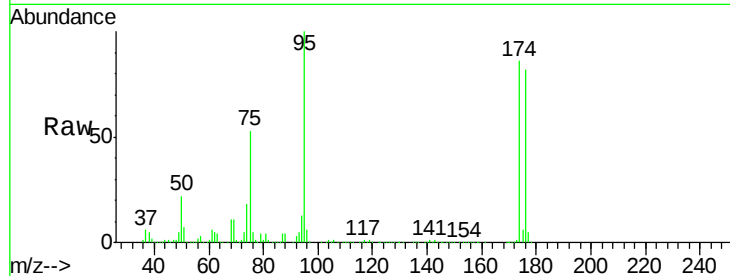
Tot Ion: 95 Resp: 229691

Ion Ratio Lower Upper

95 100

174 92.5 0.0 178.8

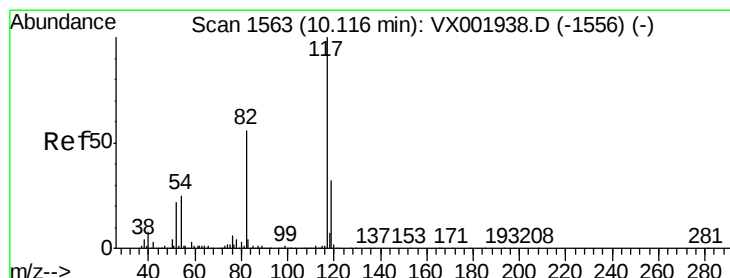
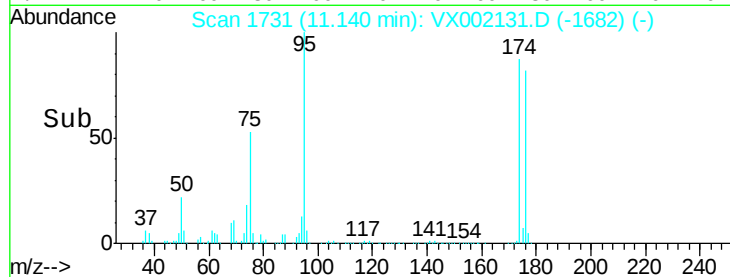
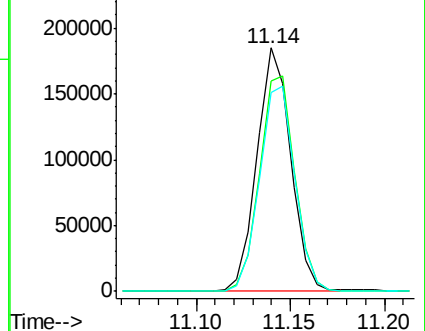
176 89.0 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX002131.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002131.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002131.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002131.D

Acq: 30 May 2018 09:05

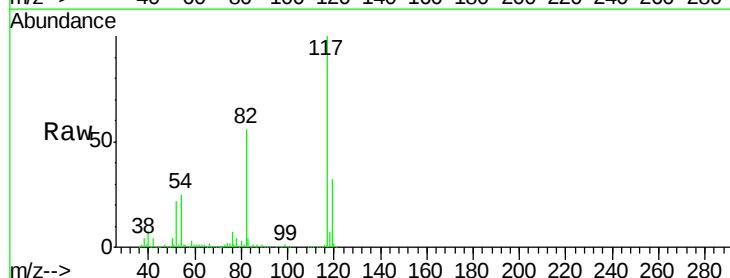
Tgt Ion: 117 Resp: 393480

Ion Ratio Lower Upper

117 100

82 56.3 44.8 67.2

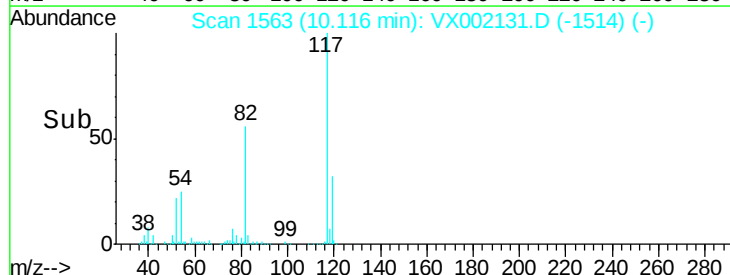
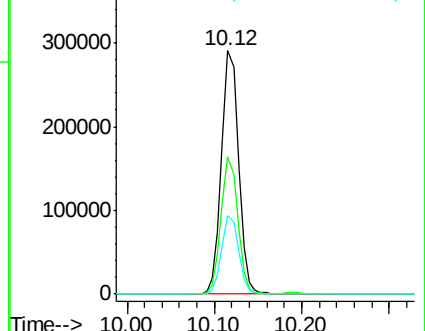
119 32.5 25.5 38.3

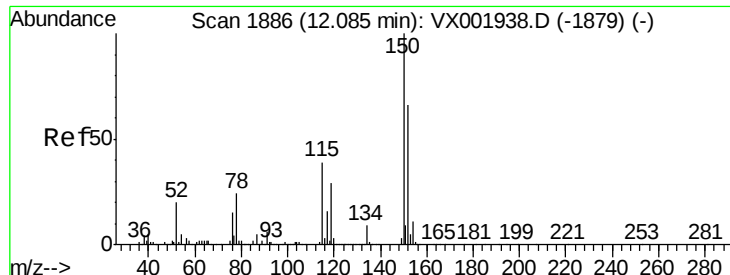


Abundance Ion 116.90 (116.60 to 117.60): VX002131.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002131.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002131.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002131.D

Acq: 30 May 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

MW-30

Tot Ion:152 Resp: 243823

Ion Ratio Lower Upper

152 100

115 56.0 42.3 126.8

150 156.6 0.0 351.0

