

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000416.D
 Acq On : 22 Mar 2018 19:28
 Operator : JC/MD
 Sample : J2005-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13-031918

Quant Time: Mar 23 07:02:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

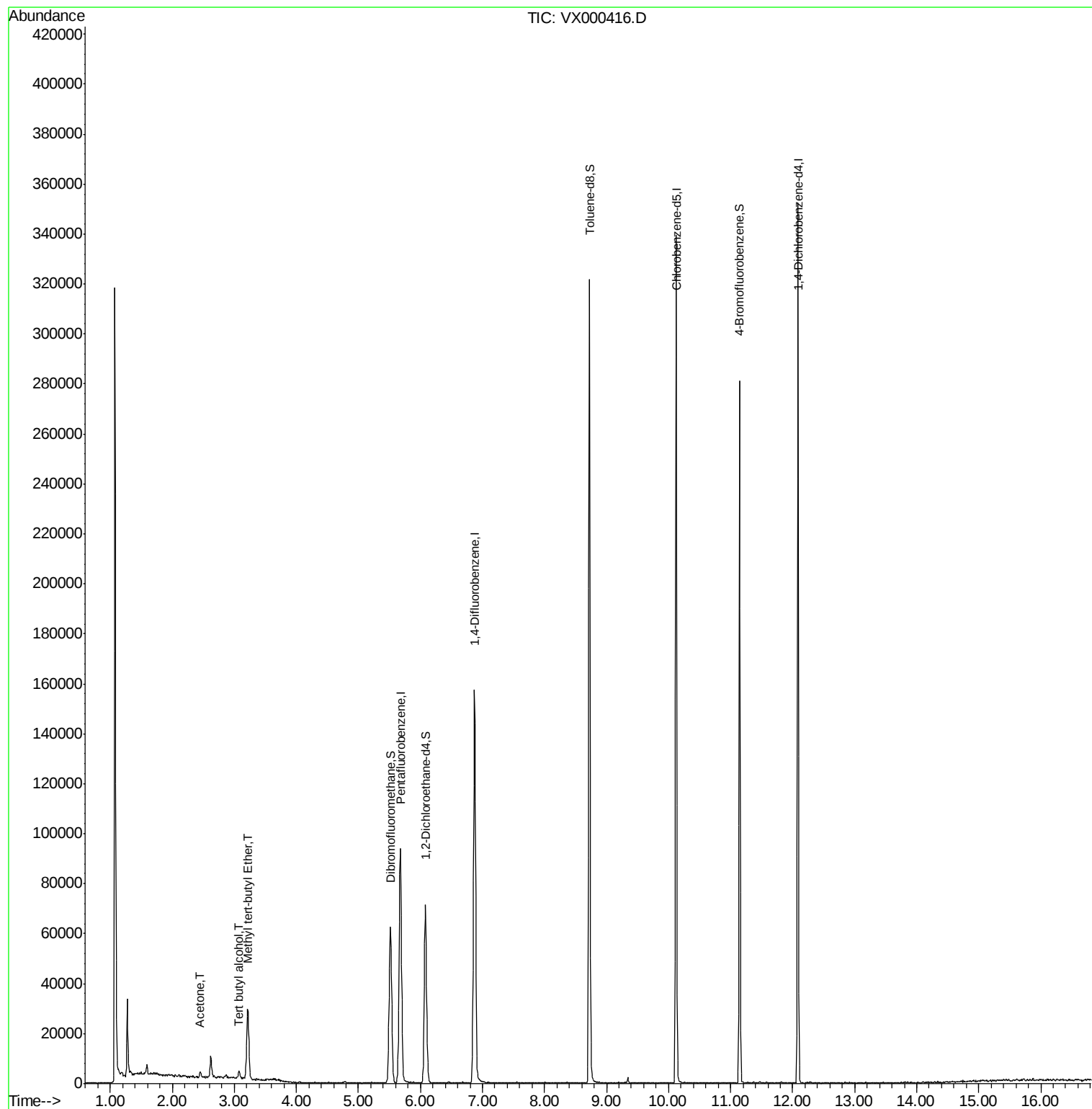
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	88478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	155662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	65900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	64460	55.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.62%	
35) Dibromofluoromethane	5.51	113	50043	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
50) Toluene-d8	8.73	98	188139	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.15	95	60311	36.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.96%	
Target Compounds						
11) Tert butyl alcohol	3.07	59	3364	8.47	ug/l	95
16) Acetone	2.45	43	2171	2.26	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	31041	8.75	ug/l	98

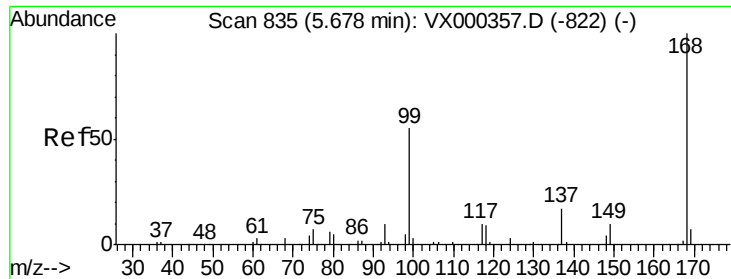
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000416.D

Acq: 22 Mar 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

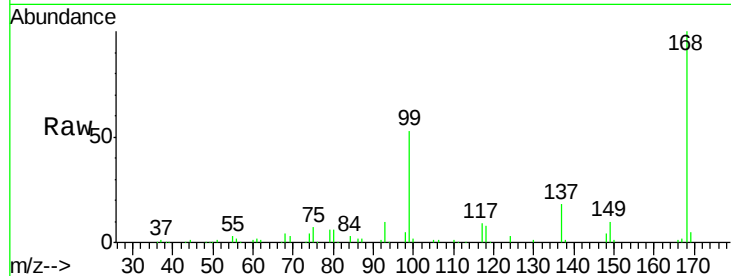
MW-13-031918

Tot Ion:168 Resp: 88478

Ion Ratio Lower Upper

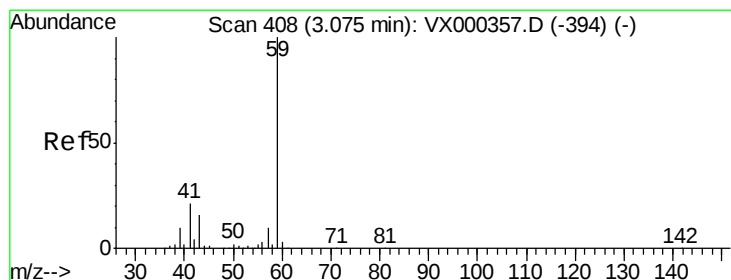
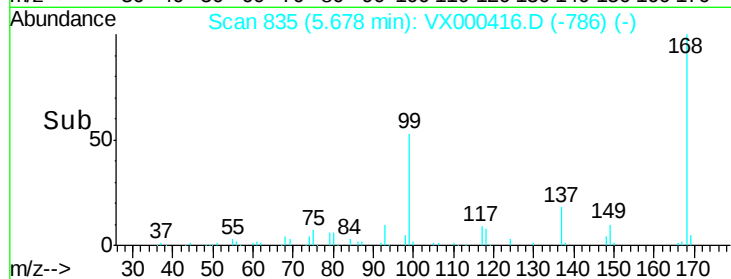
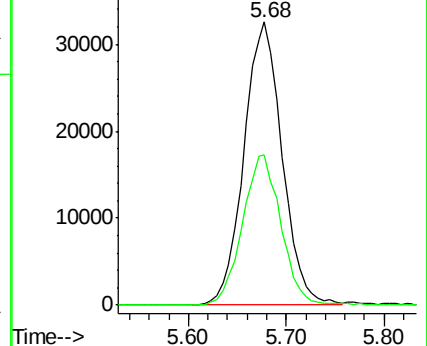
168 100

99 53.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 8.47 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000416.D

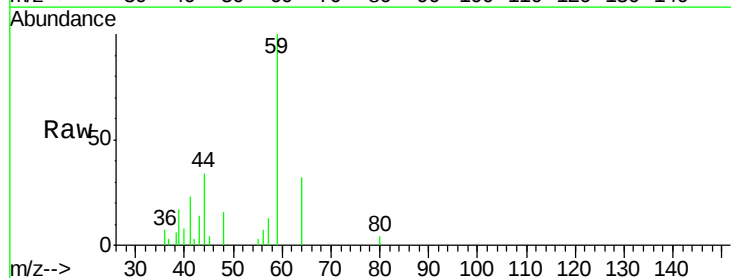
Acq: 22 Mar 2018 19:28

Tgt Ion: 59 Resp: 3364

Ion Ratio Lower Upper

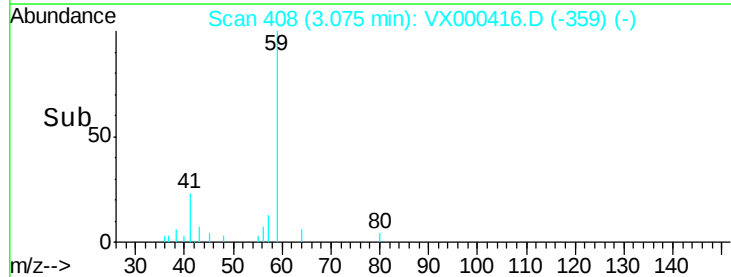
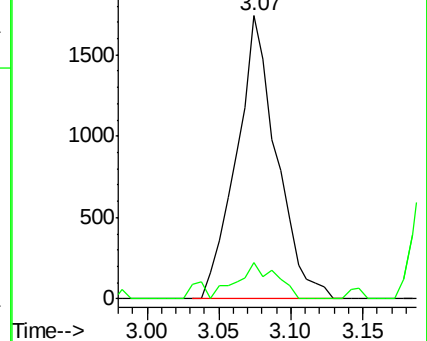
59 100

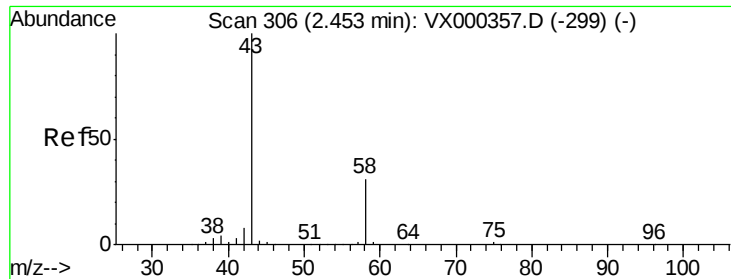
57 12.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.26 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000416.D

Acq: 22 Mar 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

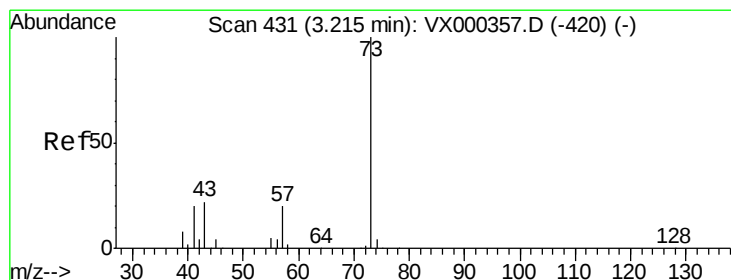
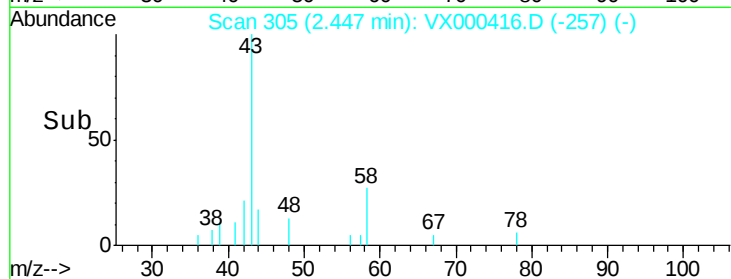
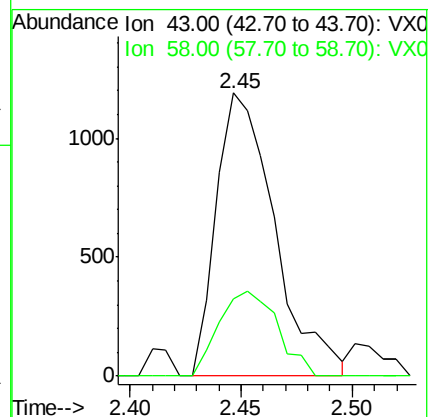
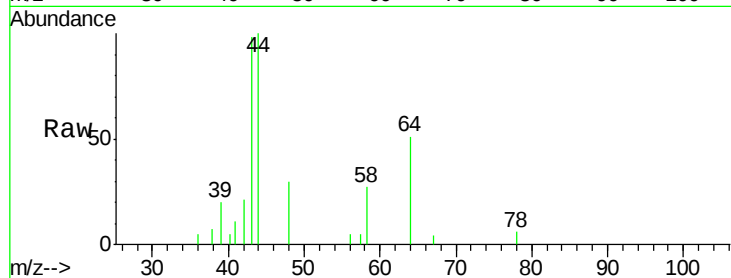
MW-13-031918

Tot Ion: 43 Resp: 2171

Ion Ratio Lower Upper

43 100

58 27.4 24.7 37.1



#19

Methyl tert-butyl Ether

Concen: 8.75 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000416.D

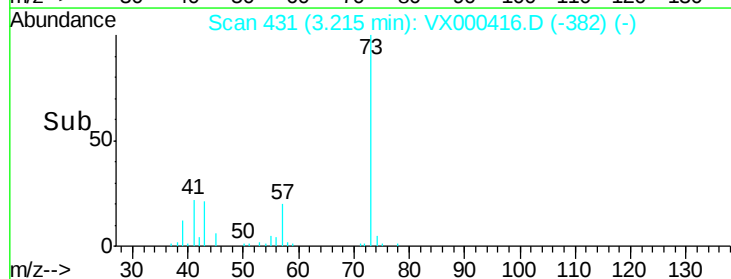
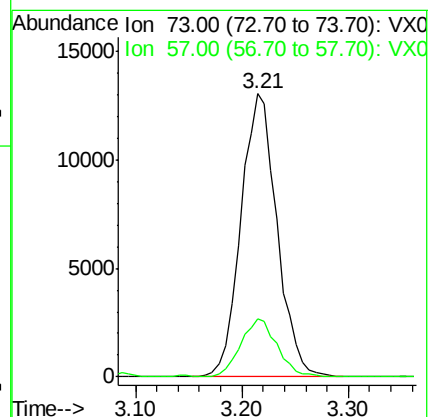
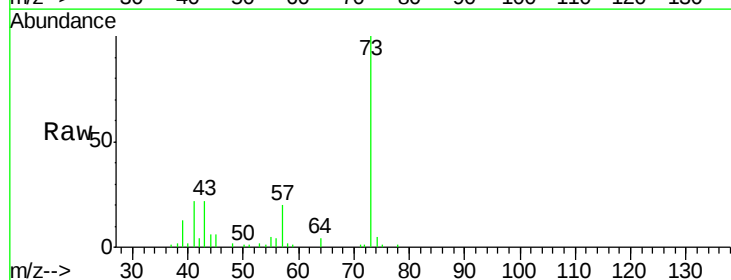
Acq: 22 Mar 2018 19:28

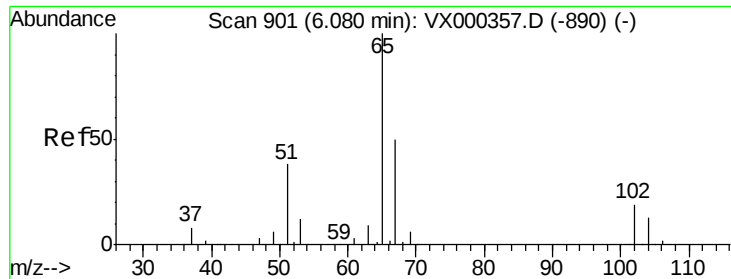
Tgt Ion: 73 Resp: 31041

Ion Ratio Lower Upper

73 100

57 20.4 17.2 25.8

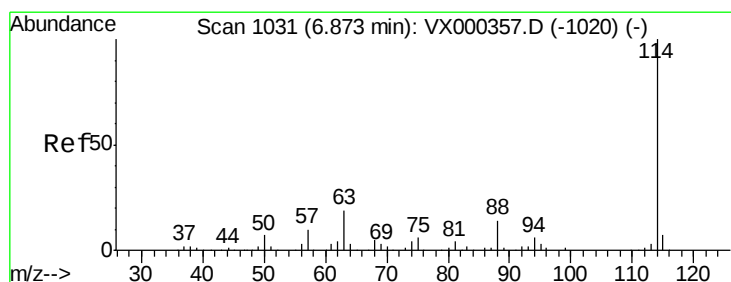
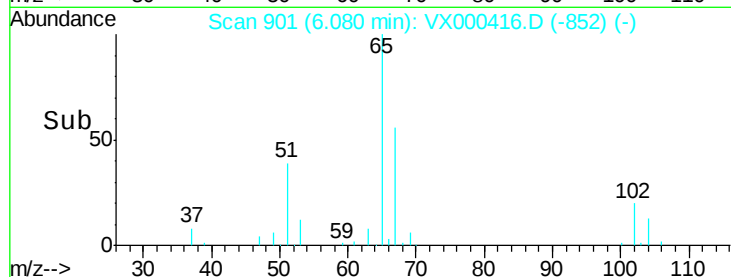
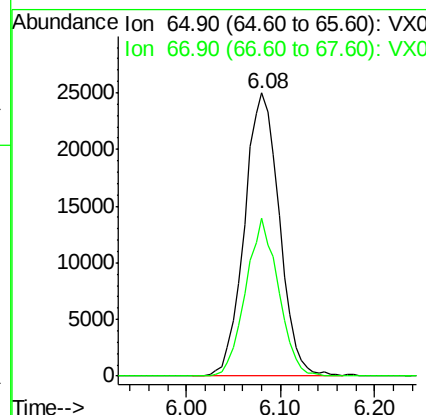
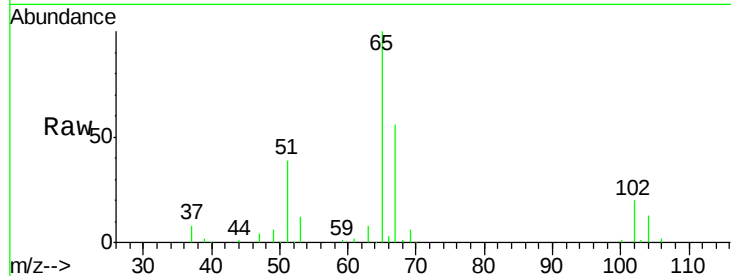




#33
 1,2-Dichloroethane-d4
 Concen: 55.81 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000416.D
 Acq: 22 Mar 2018 19:28

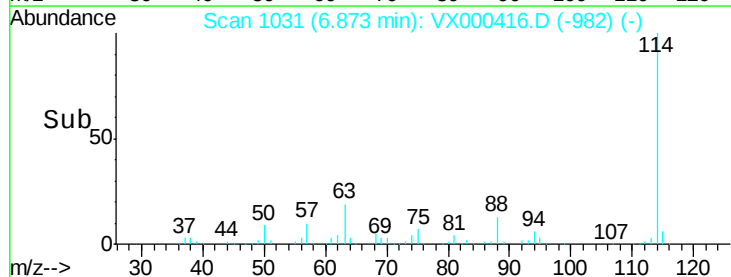
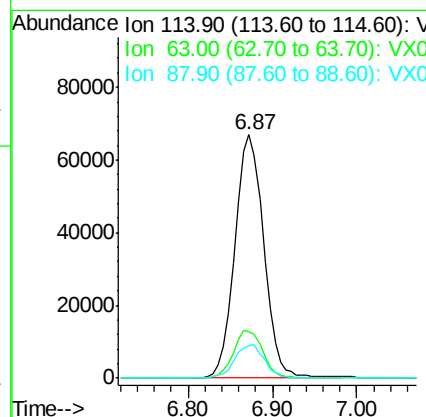
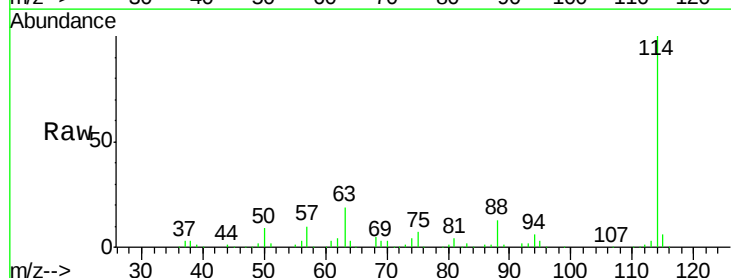
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13-031918

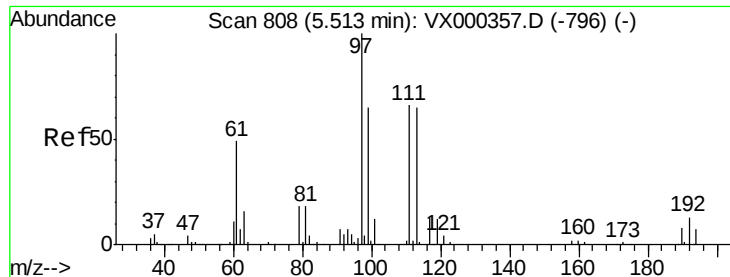
Tot Ion: 65 Resp: 64460
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000416.D
 Acq: 22 Mar 2018 19:28

Tgt Ion: 114 Resp: 155662
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 13.5 0.0 27.0

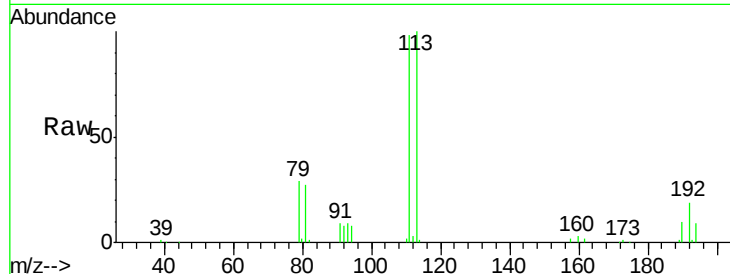




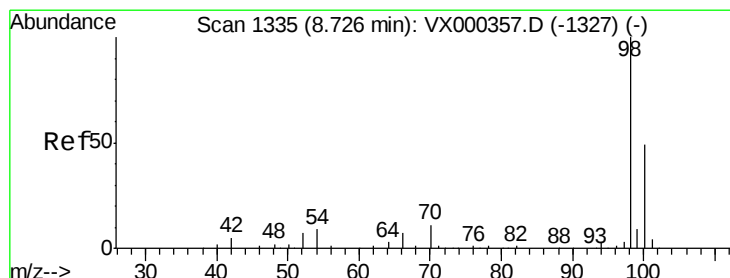
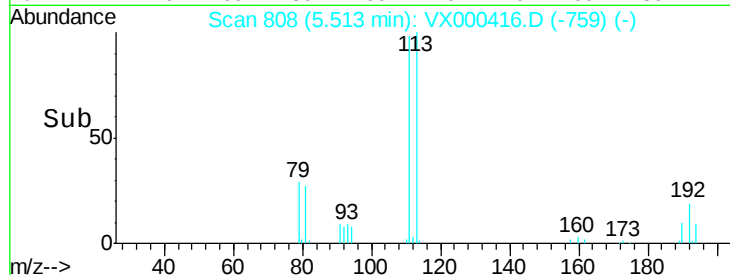
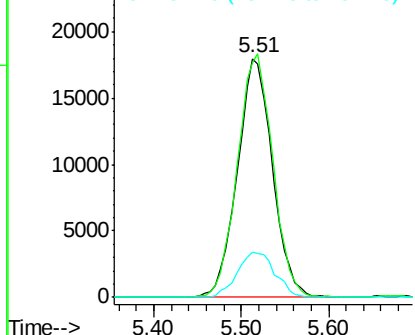
#35
 Dibromofluoromethane
 Concen: 51.02 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000416.D
 Acq: 22 Mar 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13-031918

Tot Ion:113 Resp: 50043
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 20.3 15.8 23.6

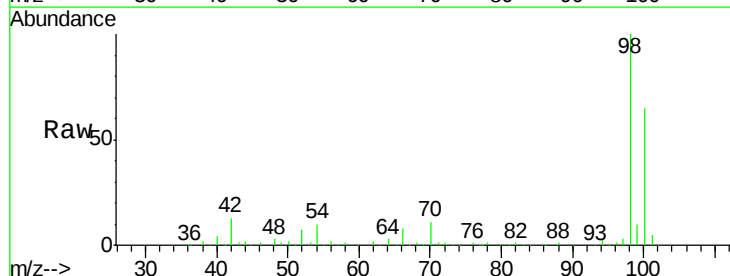


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

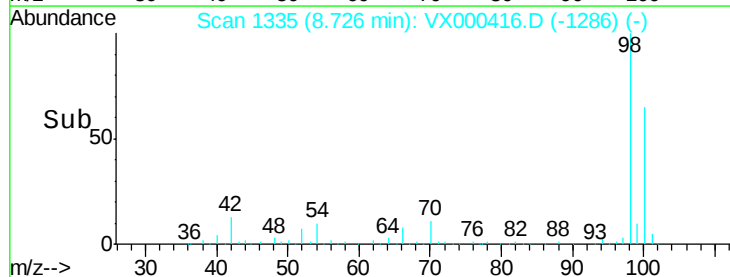
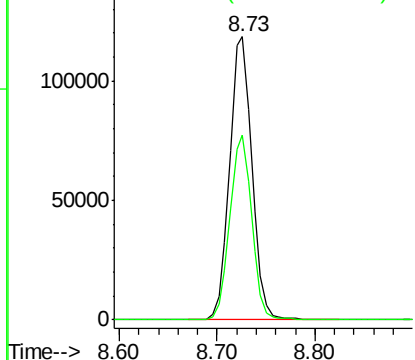


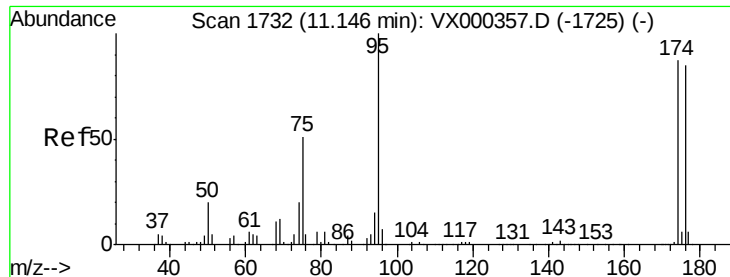
#50
 Toluene-d8
 Concen: 46.32 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000416.D
 Acq: 22 Mar 2018 19:28

Tgt Ion: 98 Resp: 188139
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 36.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000416.D

Acq: 22 Mar 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW-13-031918

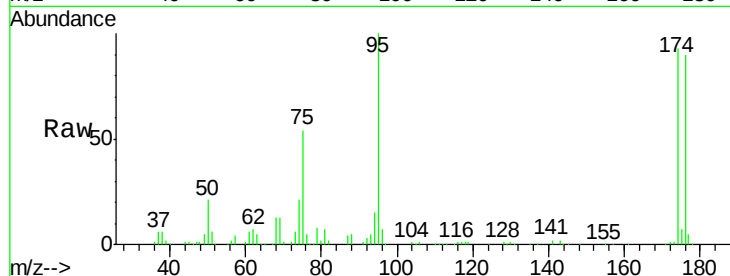
Tot Ion: 95 Resp: 60311

Ion Ratio Lower Upper

95 100

174 91.0 0.0 173.6

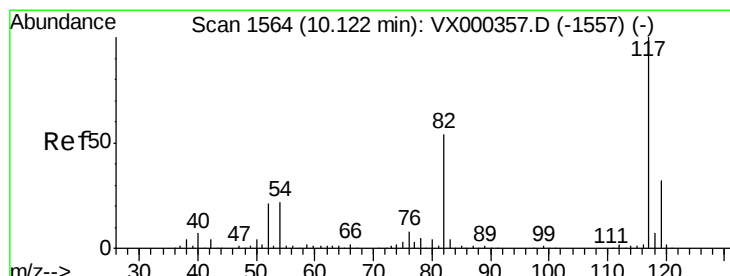
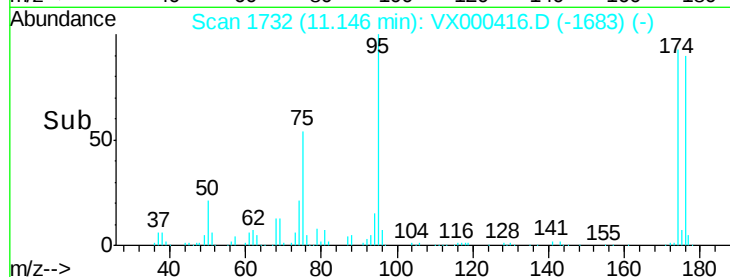
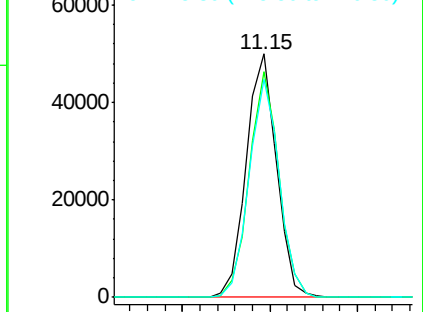
176 89.5 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000416.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000416.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000416.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000416.D

Acq: 22 Mar 2018 19:28

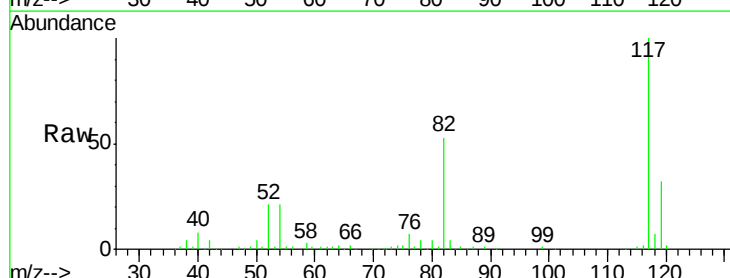
Tgt Ion: 117 Resp: 146329

Ion Ratio Lower Upper

117 100

82 53.4 43.8 65.8

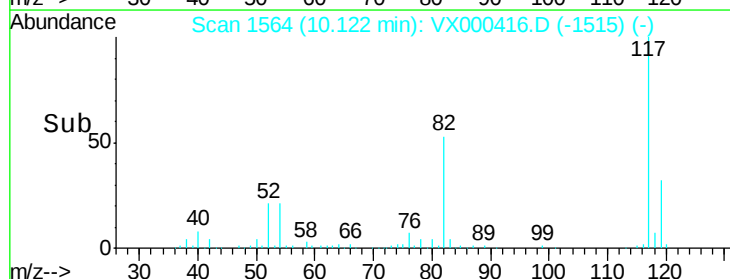
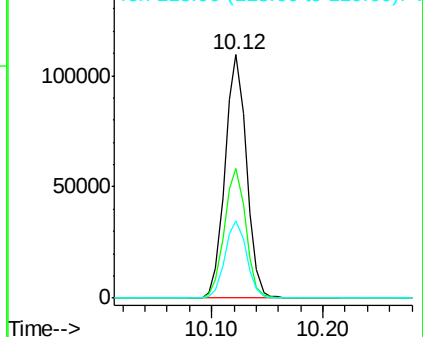
119 31.7 24.9 37.3

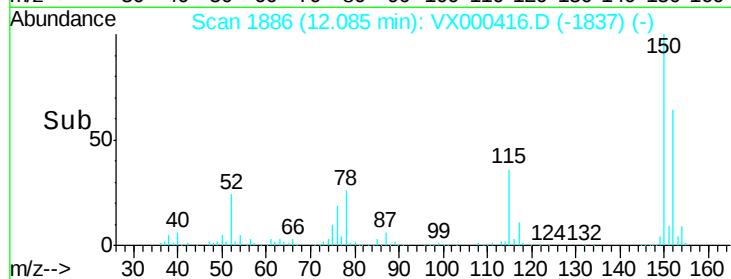
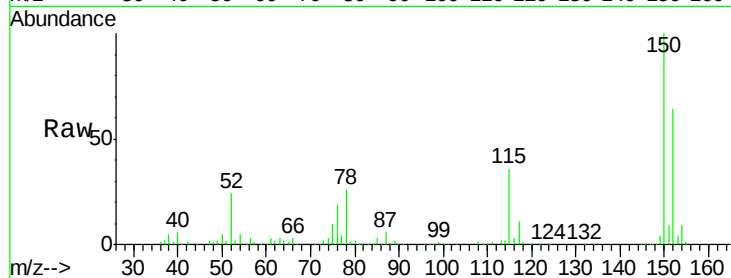
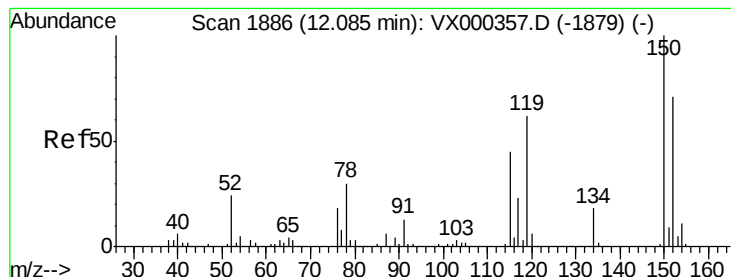


Abundance Ion 116.90 (116.60 to 117.60): VX000416.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000416.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000416.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000416.D

Acq: 22 Mar 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW-13-031918

Tot Ion:152 Resp: 65900

Ion Ratio Lower Upper

152 100

115 55.7 39.8 119.3

150 156.4 0.0 344.4

