

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000418.D
 Acq On : 22 Mar 2018 20:19
 Operator : JC/MD
 Sample : J2005-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1-031918

Quant Time: Mar 23 07:05:48 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

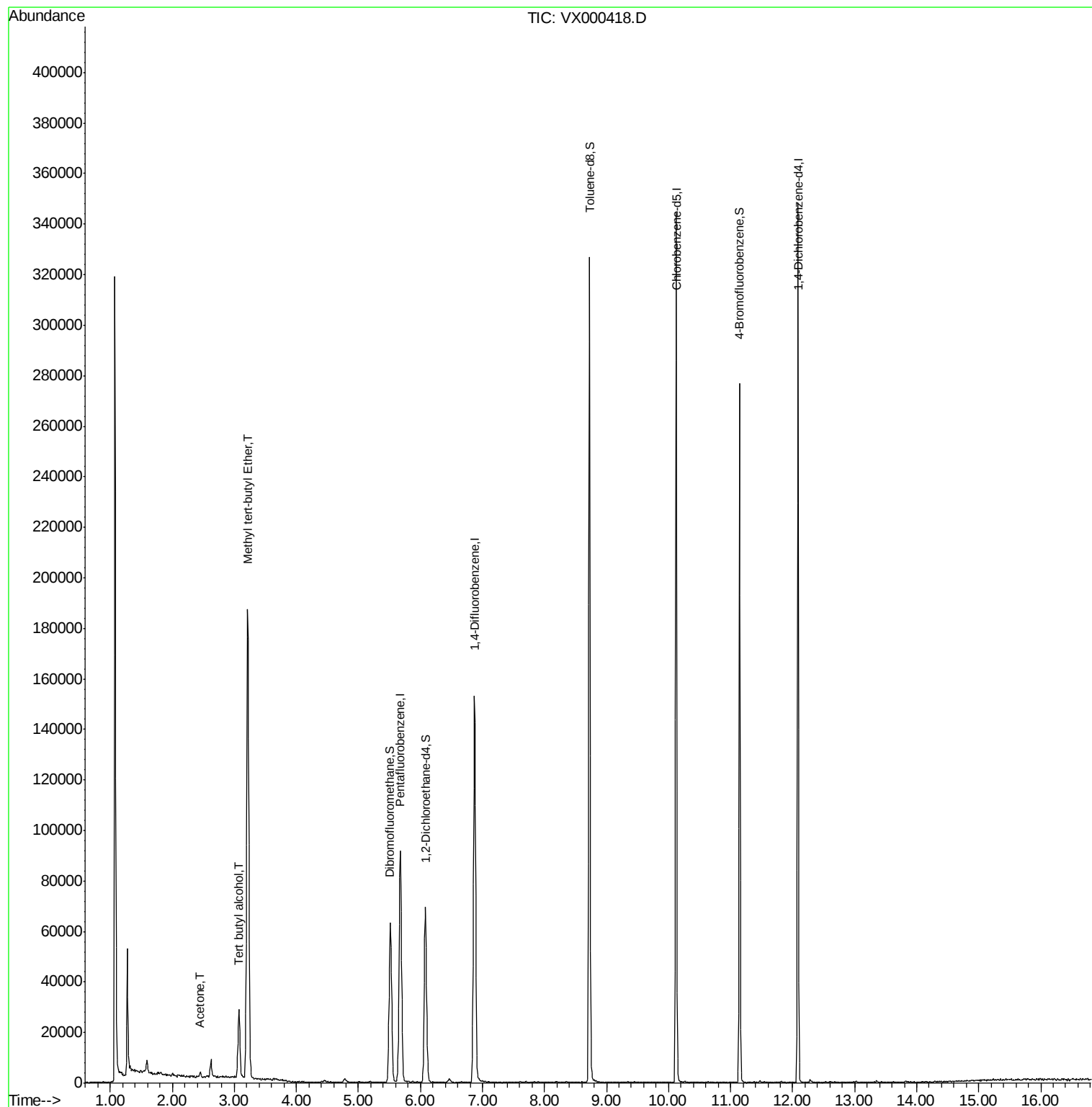
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	88247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	154254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	66089	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	63640	55.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.50%	
35) Dibromofluoromethane	5.51	113	49948	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
50) Toluene-d8	8.73	98	186549	46.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	11.15	95	59143	36.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.30%	
Target Compounds						
11) Tert butyl alcohol	3.07	59	32701	82.53	ug/l	99
16) Acetone	2.45	43	2290	2.39	ug/l #	87
19) Methyl tert-butyl Ether	3.21	73	210980	59.64	ug/l	98

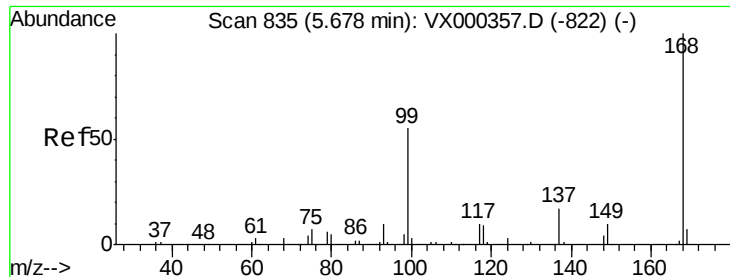
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

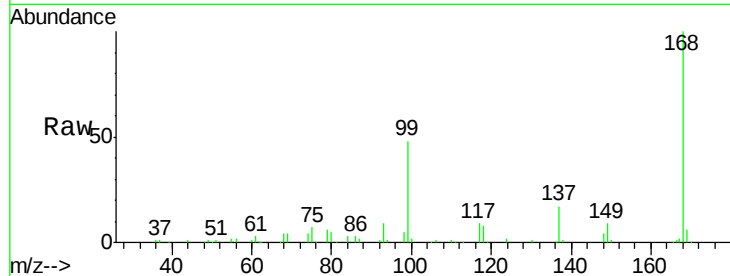
DUP-1-031918

Tot Ion:168 Resp: 88247

Ion Ratio Lower Upper

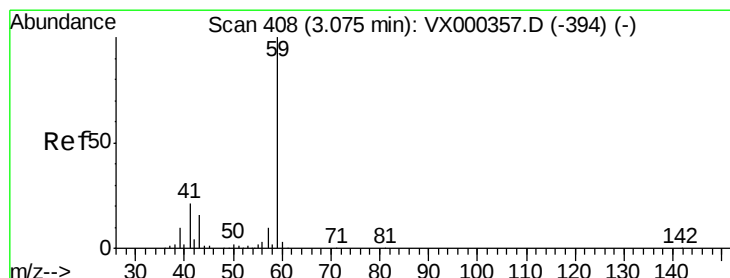
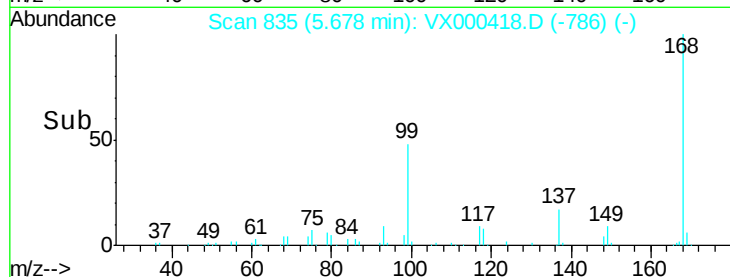
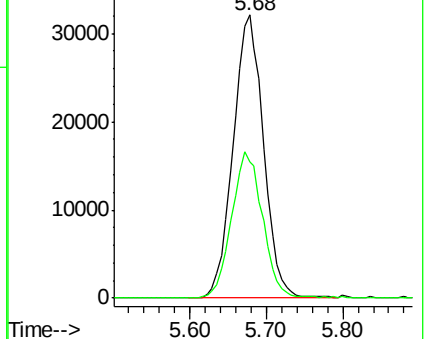
168 100

99 48.3 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: 82.53 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000418.D

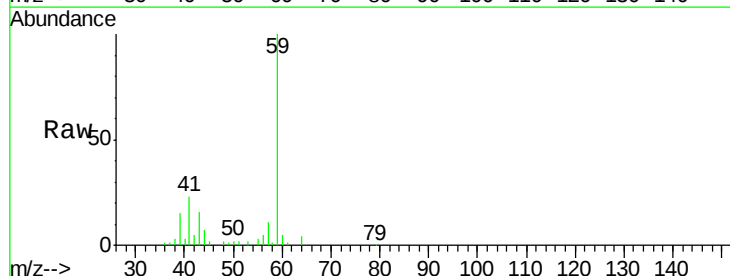
Acq: 22 Mar 2018 20:19

Tgt Ion: 59 Resp: 32701

Ion Ratio Lower Upper

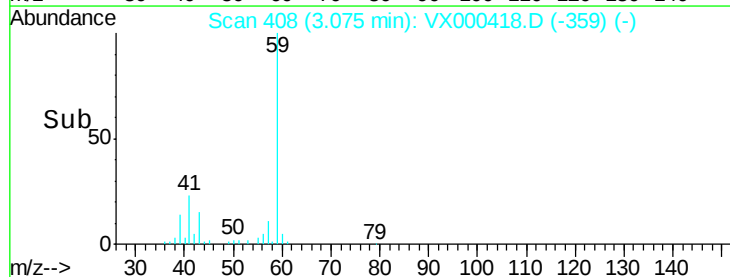
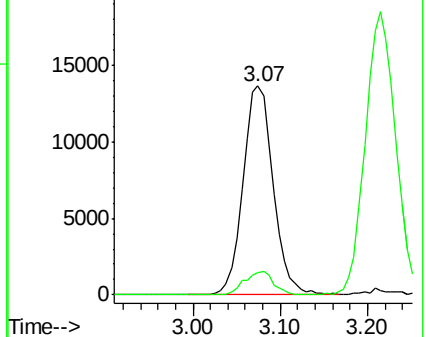
59 100

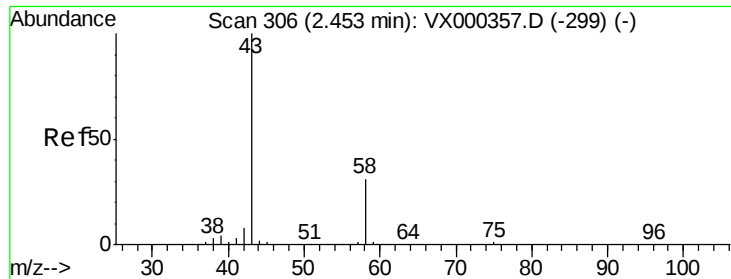
57 10.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.39 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

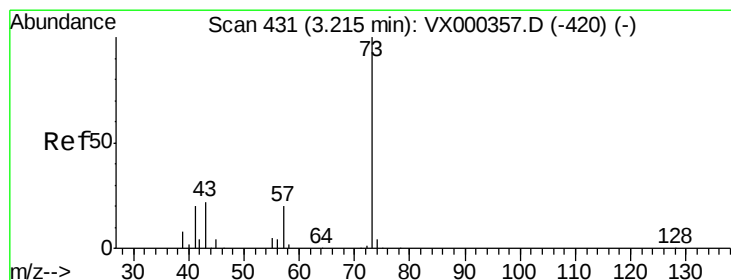
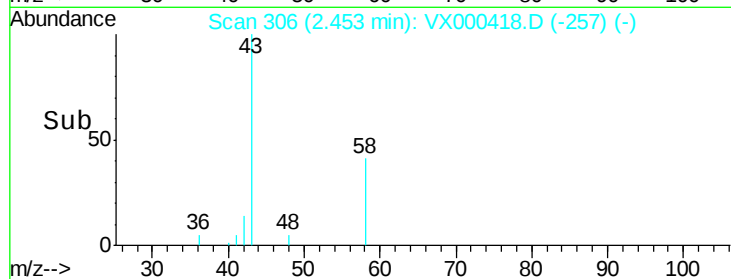
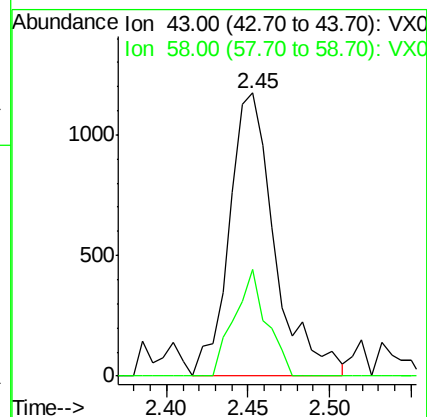
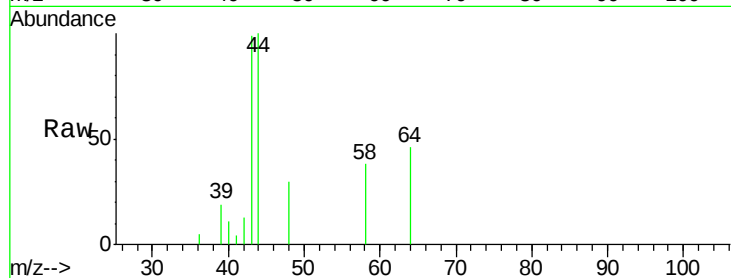
DUP-1-031918

Tot Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

58 37.9 24.7 37.1#



#19

Methyl tert-butyl Ether

Concen: 59.64 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000418.D

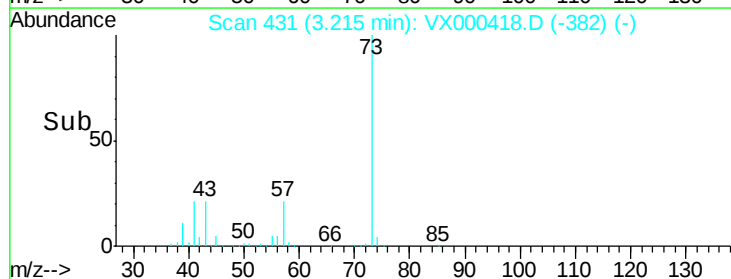
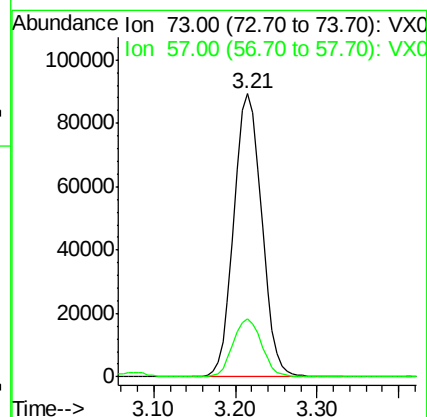
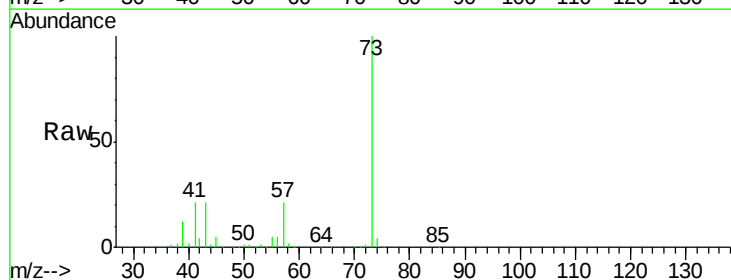
Acq: 22 Mar 2018 20:19

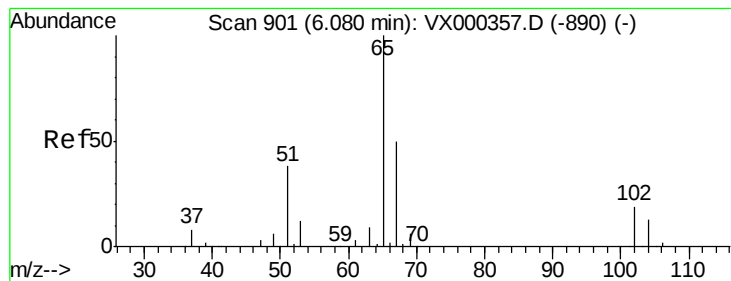
Tgt Ion: 73 Resp: 210980

Ion Ratio Lower Upper

73 100

57 20.7 17.2 25.8





#33

1,2-Dichloroethane-d4

Concen: 55.25 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

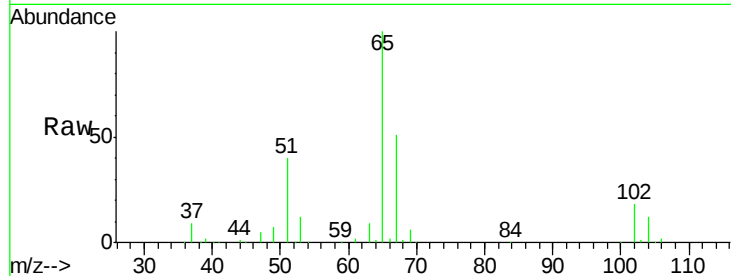
DUP-1-031918

Tot Ion: 65 Resp: 63640

Ion Ratio Lower Upper

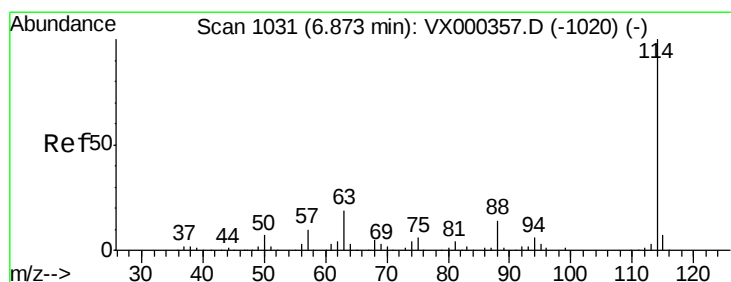
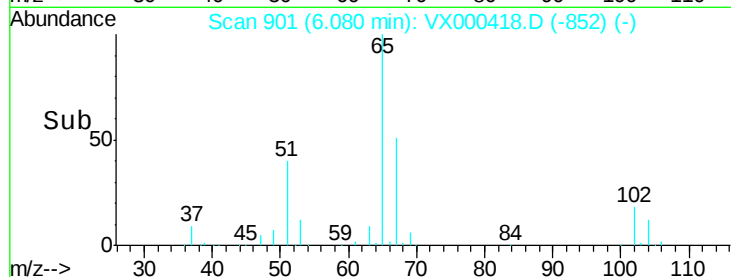
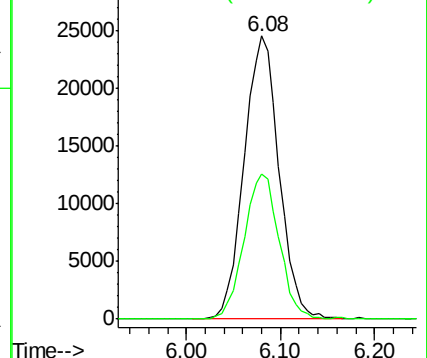
65 100

67 51.3 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

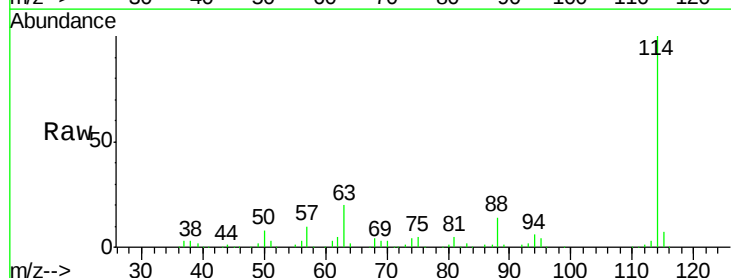
Tgt Ion: 114 Resp: 154254

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

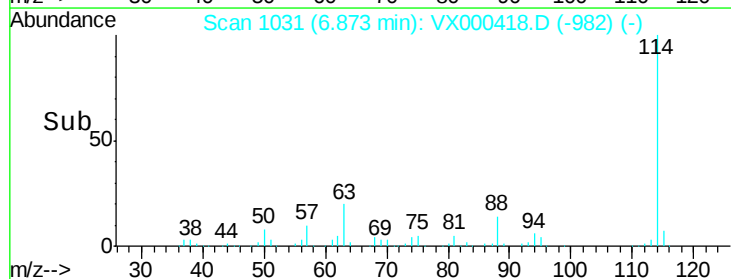
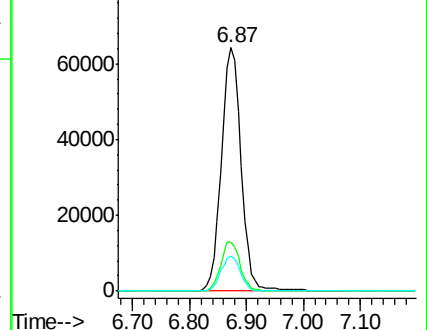
88 14.2 0.0 27.0

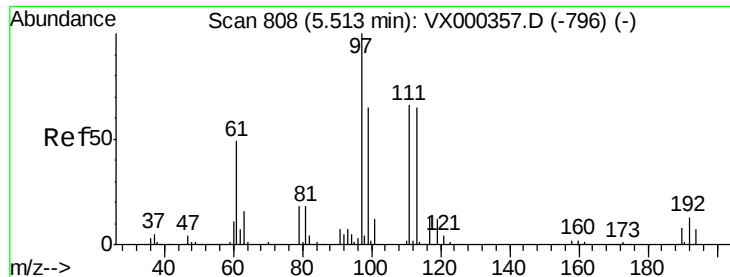


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.39 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

DUP-1-031918

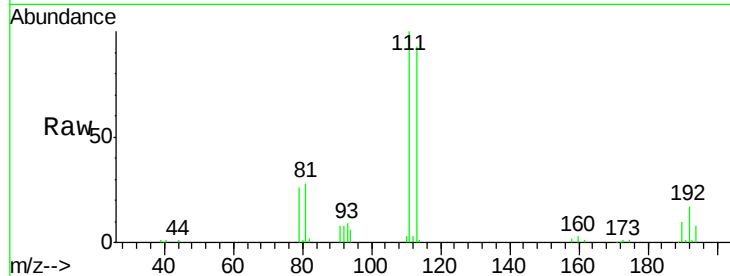
Tot Ion:113 Resp: 49948

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

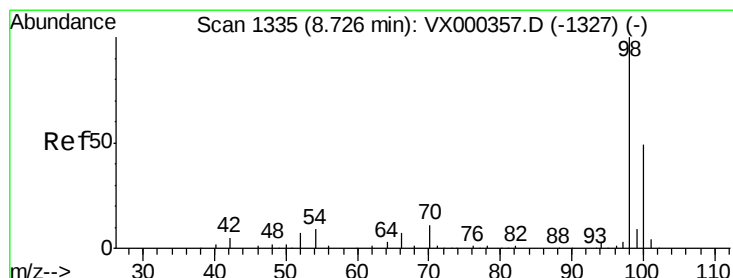
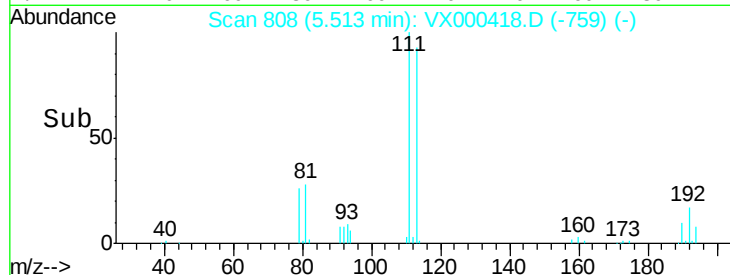
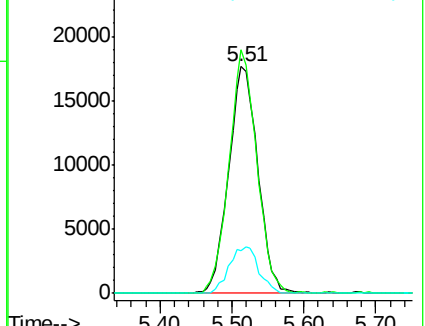
192 20.4 15.8 23.6



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: 46.34 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000418.D

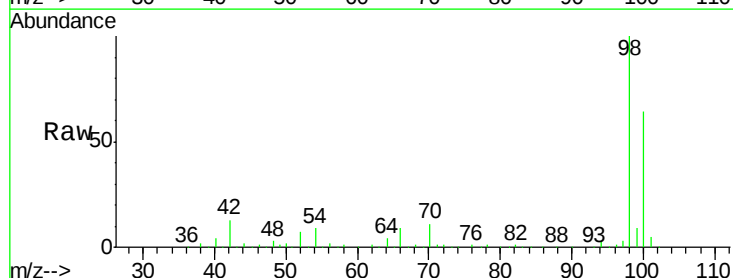
Acq: 22 Mar 2018 20:19

Tgt Ion: 98 Resp: 186549

Ion Ratio Lower Upper

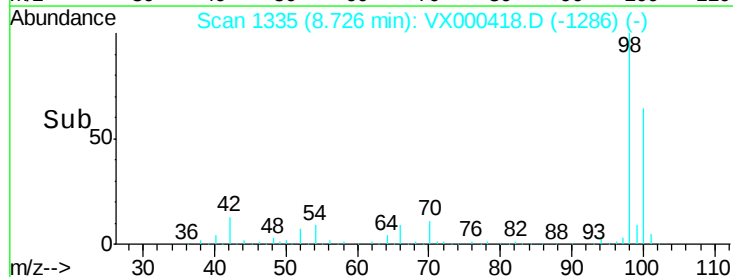
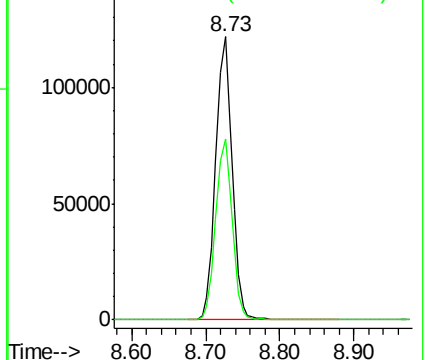
98 100

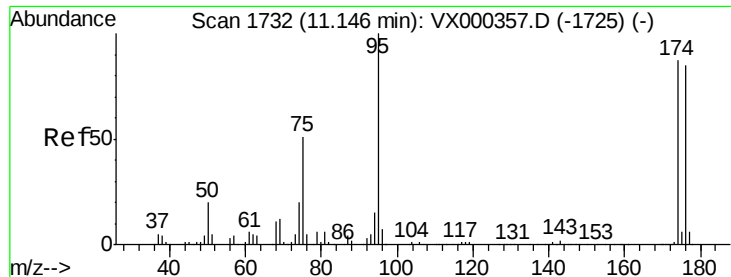
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

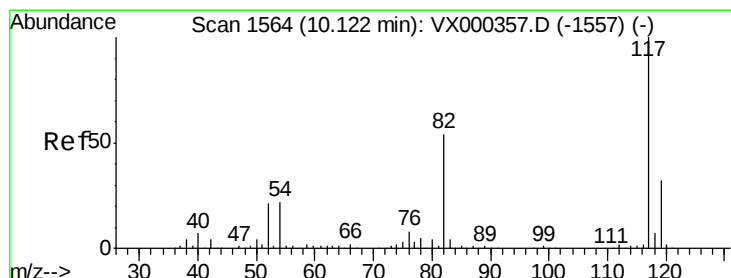
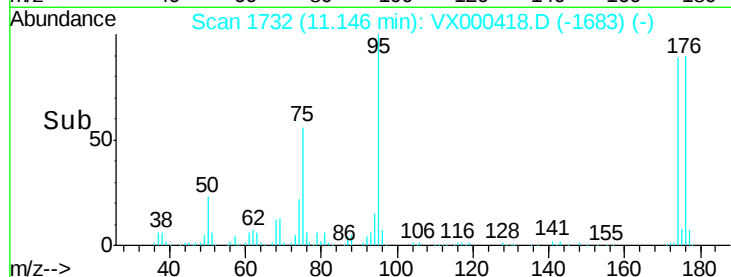
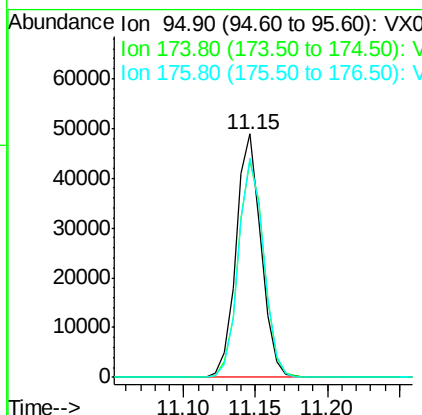
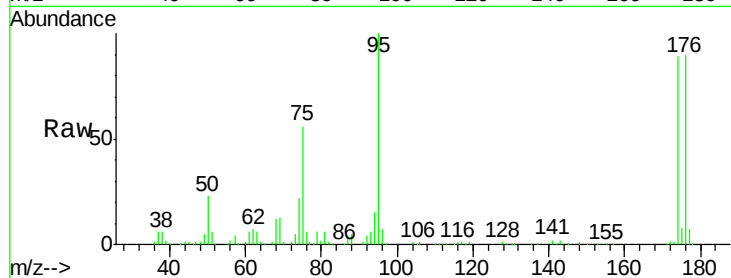




#62
4-Bromofluorobenzene
Concen: 36.65 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000418.D
Acq: 22 Mar 2018 20:19

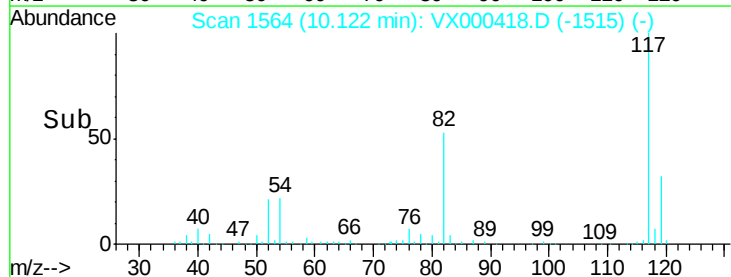
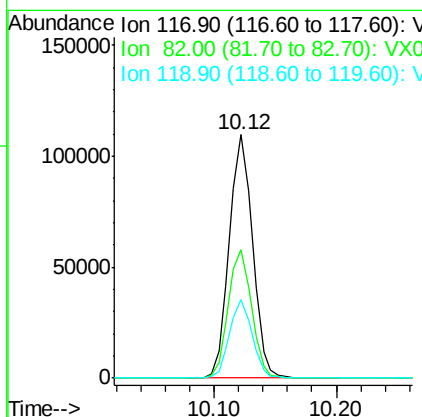
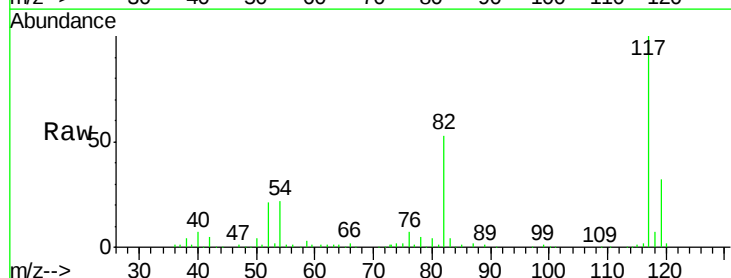
Instrument :
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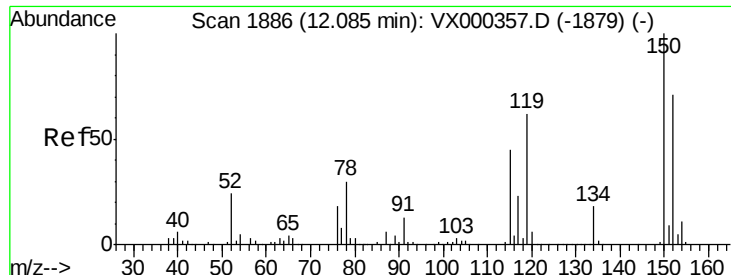
Tot Ion: 95 Resp: 59143
Ion Ratio Lower Upper
95 100
174 91.1 0.0 173.6
176 90.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000418.D
Acq: 22 Mar 2018 20:19

Tgt Ion: 117 Resp: 144381
Ion Ratio Lower Upper
117 100
82 52.9 43.8 65.8
119 32.3 24.9 37.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000418.D
 Acq: 22 Mar 2018 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1-031918

Tot Ion:152 Resp: 66089
 Ion Ratio Lower Upper
 152 100
 115 56.6 39.8 119.3
 150 157.8 0.0 344.4

