

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
 Data File : VX000384.D
 Acq On : 21 Mar 2018 14:46
 Operator : JC/MD
 Sample : J1997-16 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DGA-TOP-LAYER-1-B

Quant Time: Mar 22 06:52:12 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

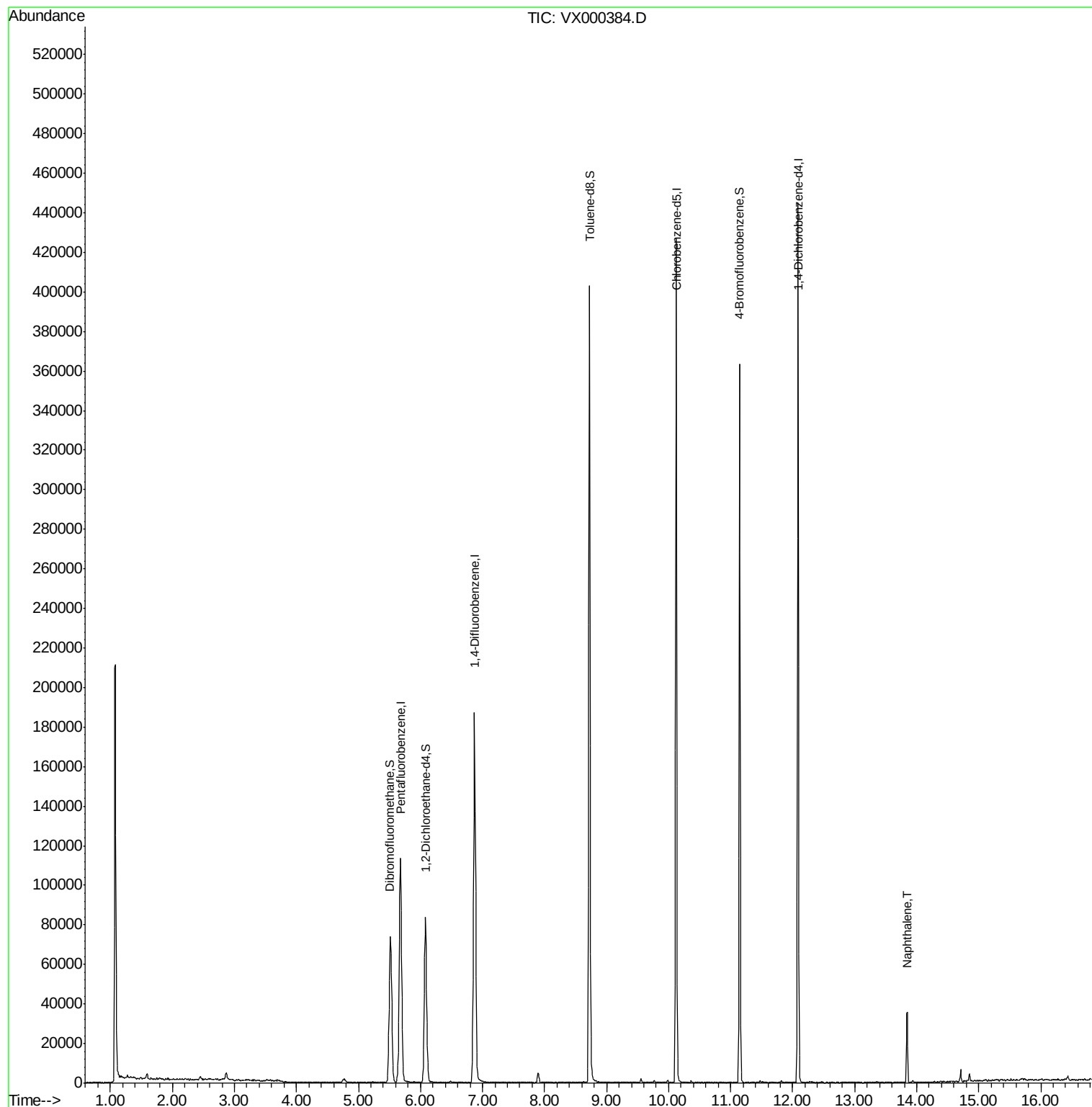
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	108325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	177442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	86060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	75311	53.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.52%	
35) Dibromofluoromethane	5.51	113	58862	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
50) Toluene-d8	8.73	98	231964	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.15	95	77757	38.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.98%	
Target Compounds						
95) Naphthalene	13.85	128	21633	3.08	ug/l	Qvalue 99

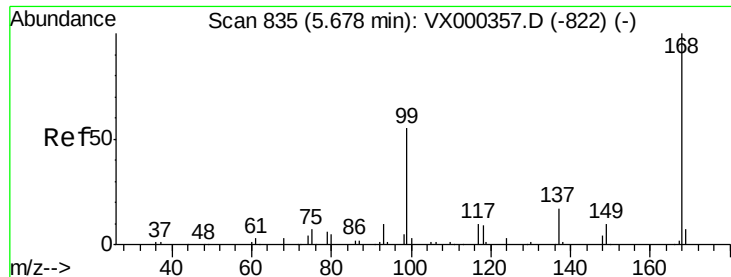
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000384.D

Acq: 21 Mar 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

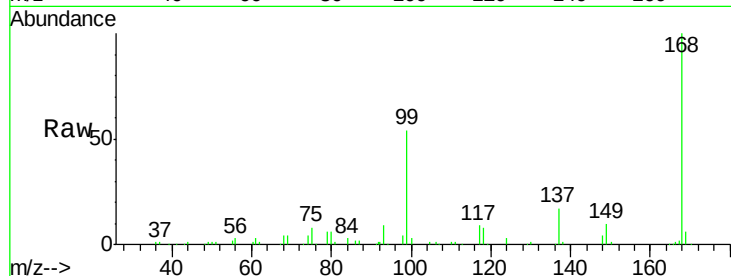
DGA-TOP-LAYER-1-B

Tot Ion:168 Resp: 108325

Ion Ratio Lower Upper

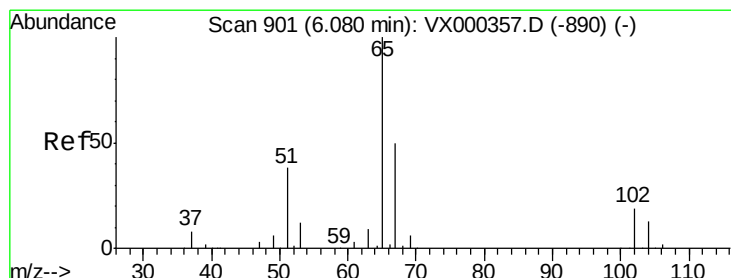
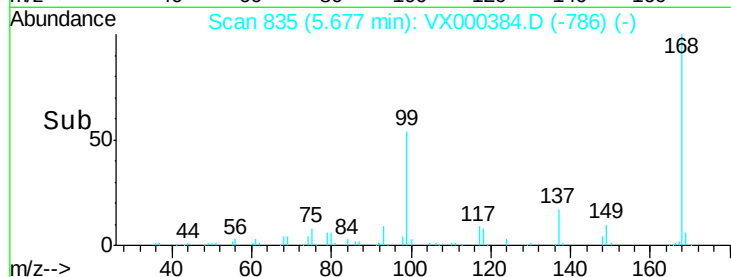
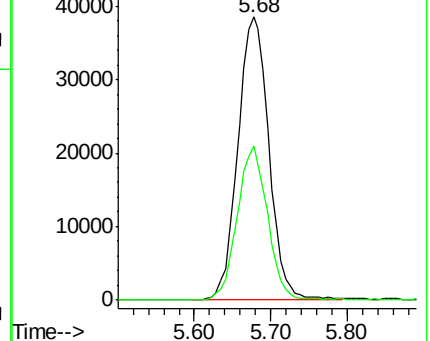
168 100

99 54.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.26 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000384.D

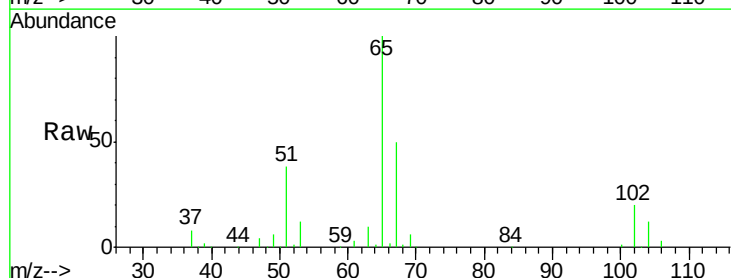
Acq: 21 Mar 2018 14:46

Tgt Ion: 65 Resp: 75311

Ion Ratio Lower Upper

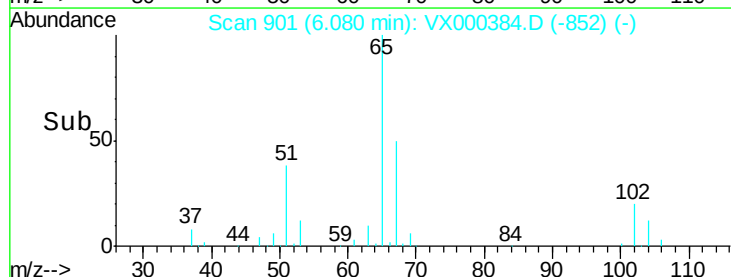
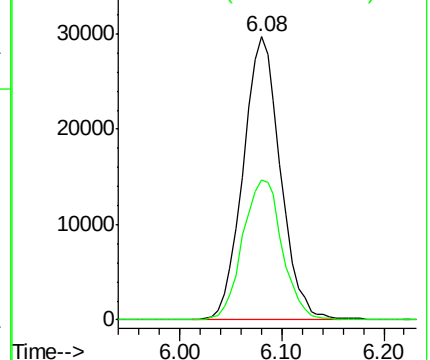
65 100

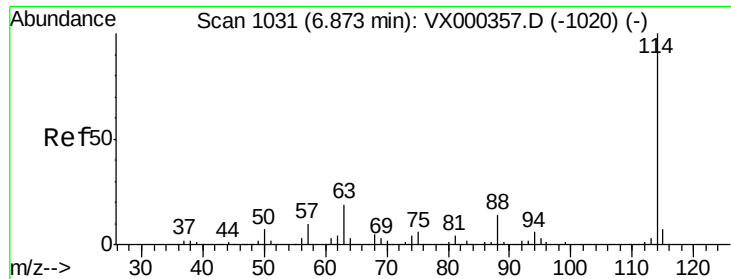
67 52.3 0.0 103.2



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: VX000384.D

Acq: 21 Mar 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

DGA-TOP-LAYER-1-B

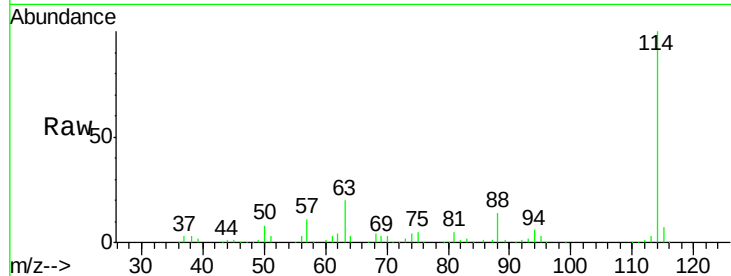
Tot Ion:114 Resp: 188342

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

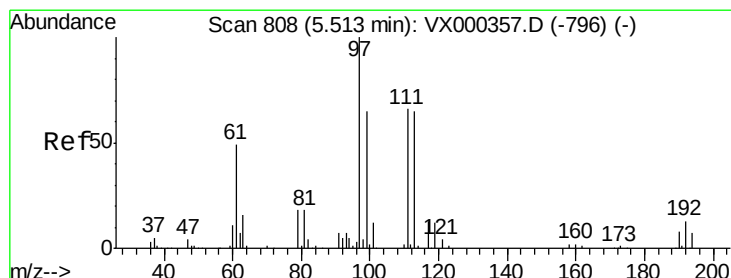
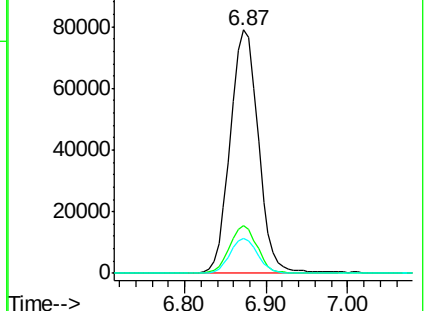
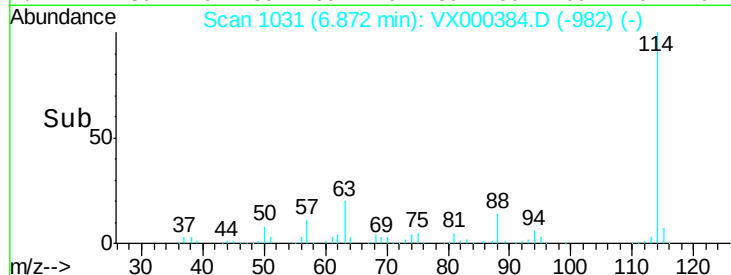
88 14.5 0.0 27.0



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: 49.60 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000384.D

Acq: 21 Mar 2018 14:46

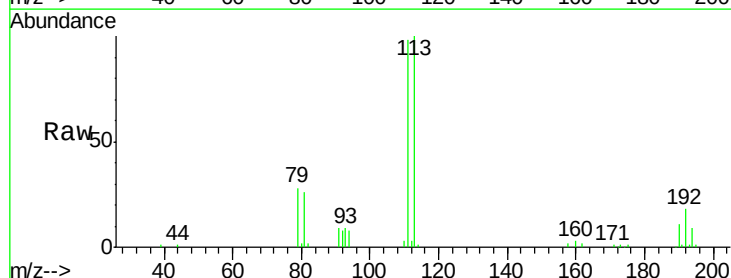
Tgt Ion:113 Resp: 58862

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

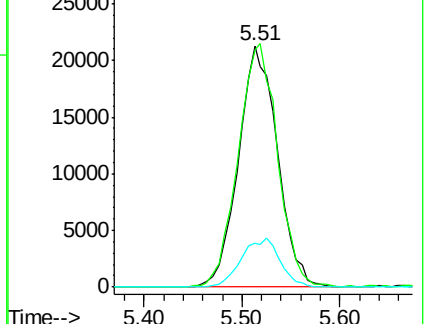
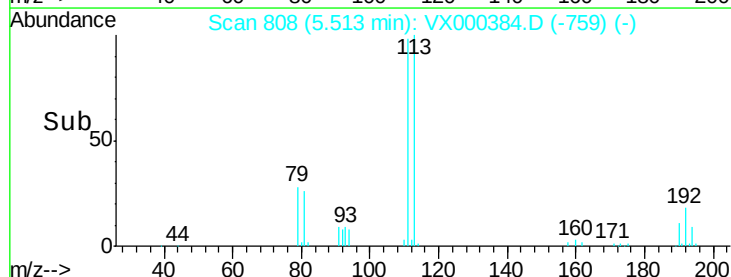
192 19.9 15.8 23.6

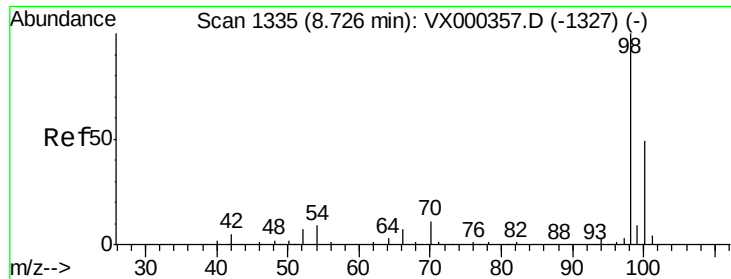


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.20 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000384.D

Acq: 21 Mar 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

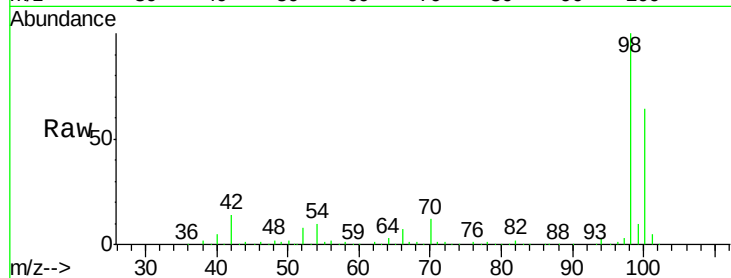
DGA-TOP-LAYER-1-B

Tot Ion: 98 Resp: 231964

Ion Ratio Lower Upper

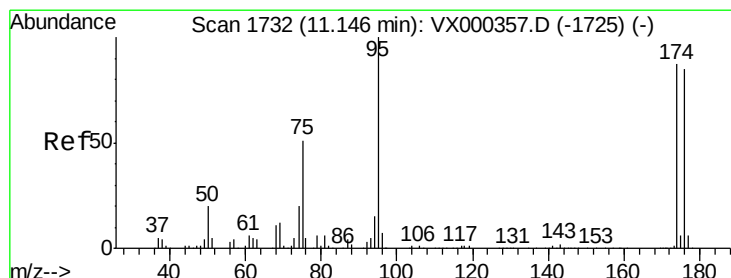
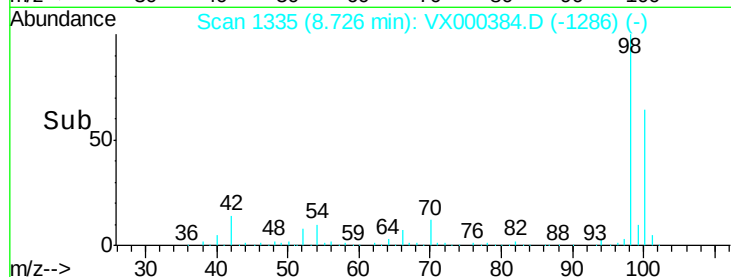
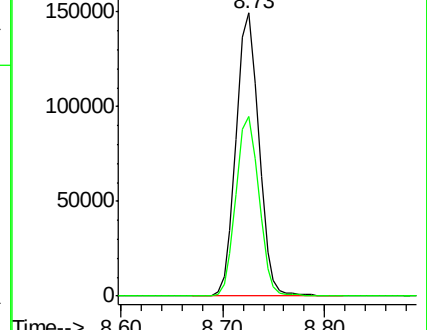
98 100

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): VX



#62

4-Bromofluorobenzene

Concen: 38.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000384.D

Acq: 21 Mar 2018 14:46

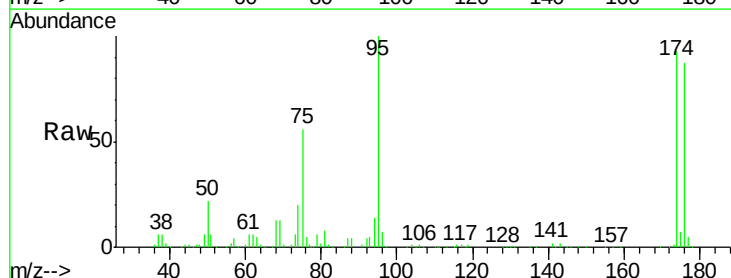
Tgt Ion: 95 Resp: 77757

Ion Ratio Lower Upper

95 100

174 91.1 0.0 173.6

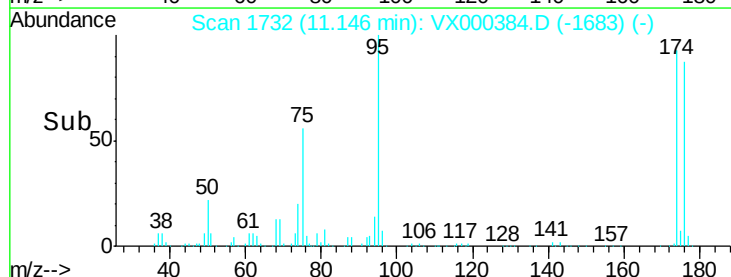
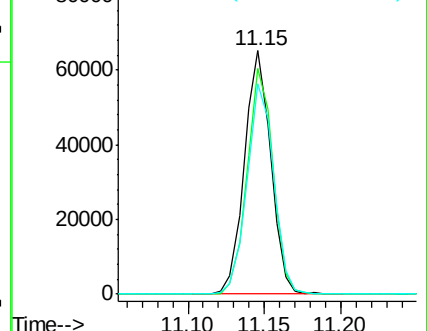
176 87.2 0.0 164.6

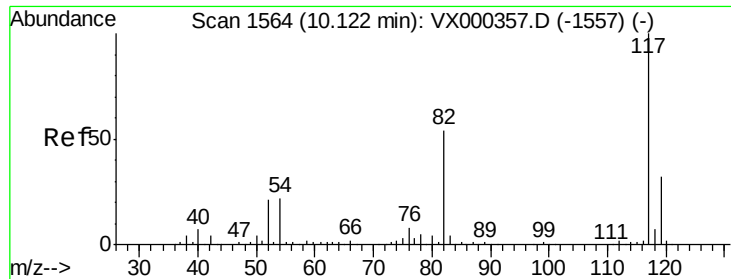


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

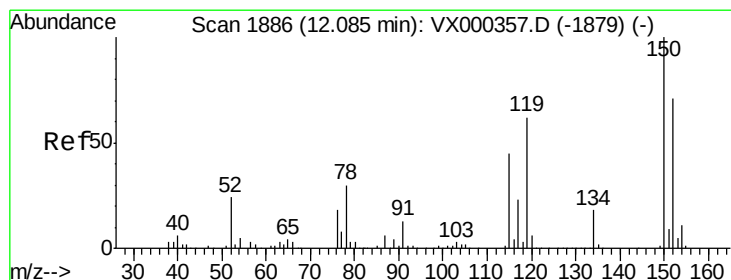
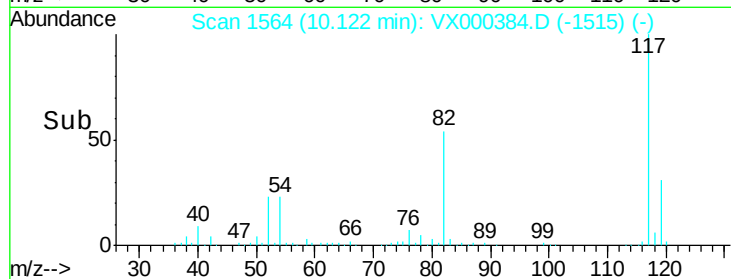
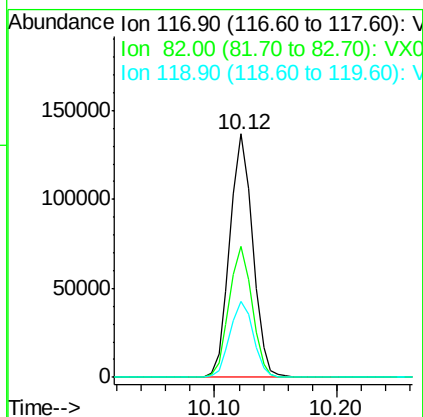
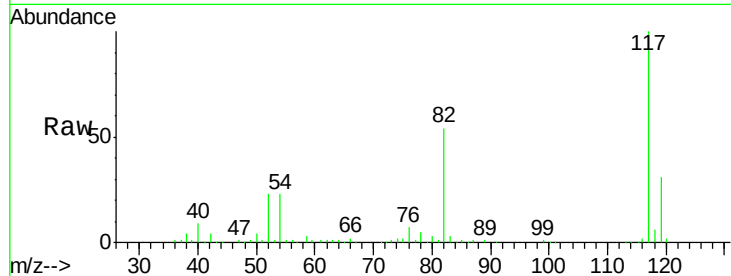




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000384.D
Acq: 21 Mar 2018 14:46

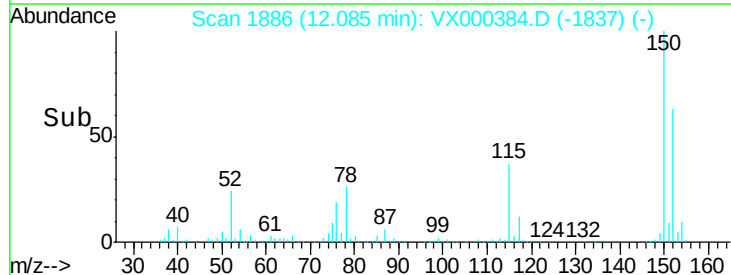
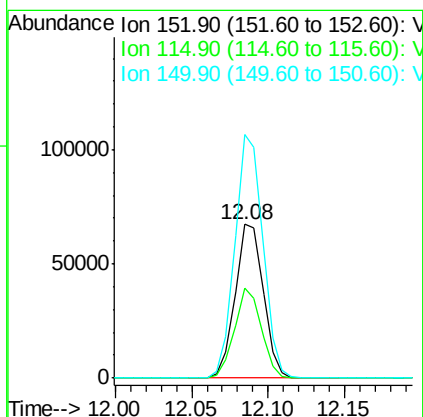
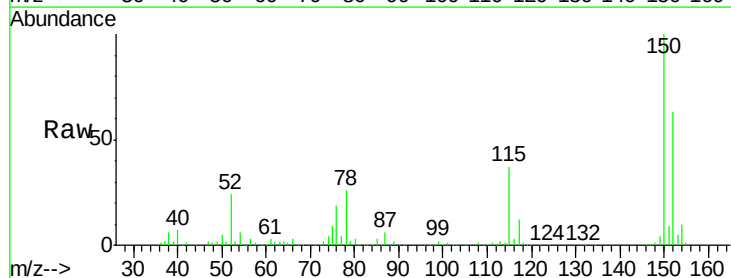
Instrument :
MSVOA_X
ClientSampleId :
DGA-TOP-LAYER-1-B

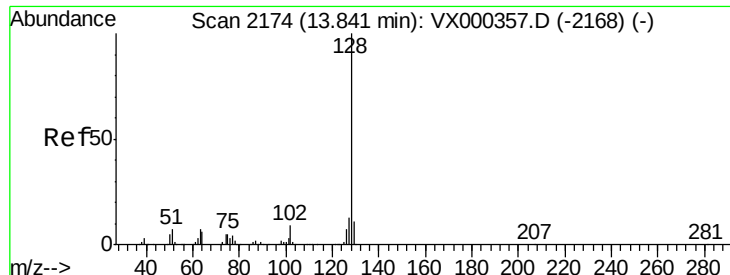
Tot Ion:117 Resp: 177442
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.8
119 31.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000384.D
Acq: 21 Mar 2018 14:46

Tgt Ion:152 Resp: 86060
Ion Ratio Lower Upper
152 100
115 55.8 39.8 119.3
150 157.0 0.0 344.4





#95
Naphthalene
Concen: 3.08 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX000384.D
Acq: 21 Mar 2018 14:46

Instrument :
MSVOA_X
ClientSampleId :
DGA-TOP-LAYER-1-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.5	8.9	13.3

