

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
 Data File : VX000176.D
 Acq On : 28 Feb 2018 19:14
 Operator : JC/MD
 Sample : J1683-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW11-GW

Quant Time: Mar 01 07:22:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	118416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	205179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	197761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	89640	60.62	ug/l	0.00
Spiked Amount			Recovery	=	121.24%	
35) Dibromofluoromethane	5.51	113	65502	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	8.73	98	247715	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.15	95	93673	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

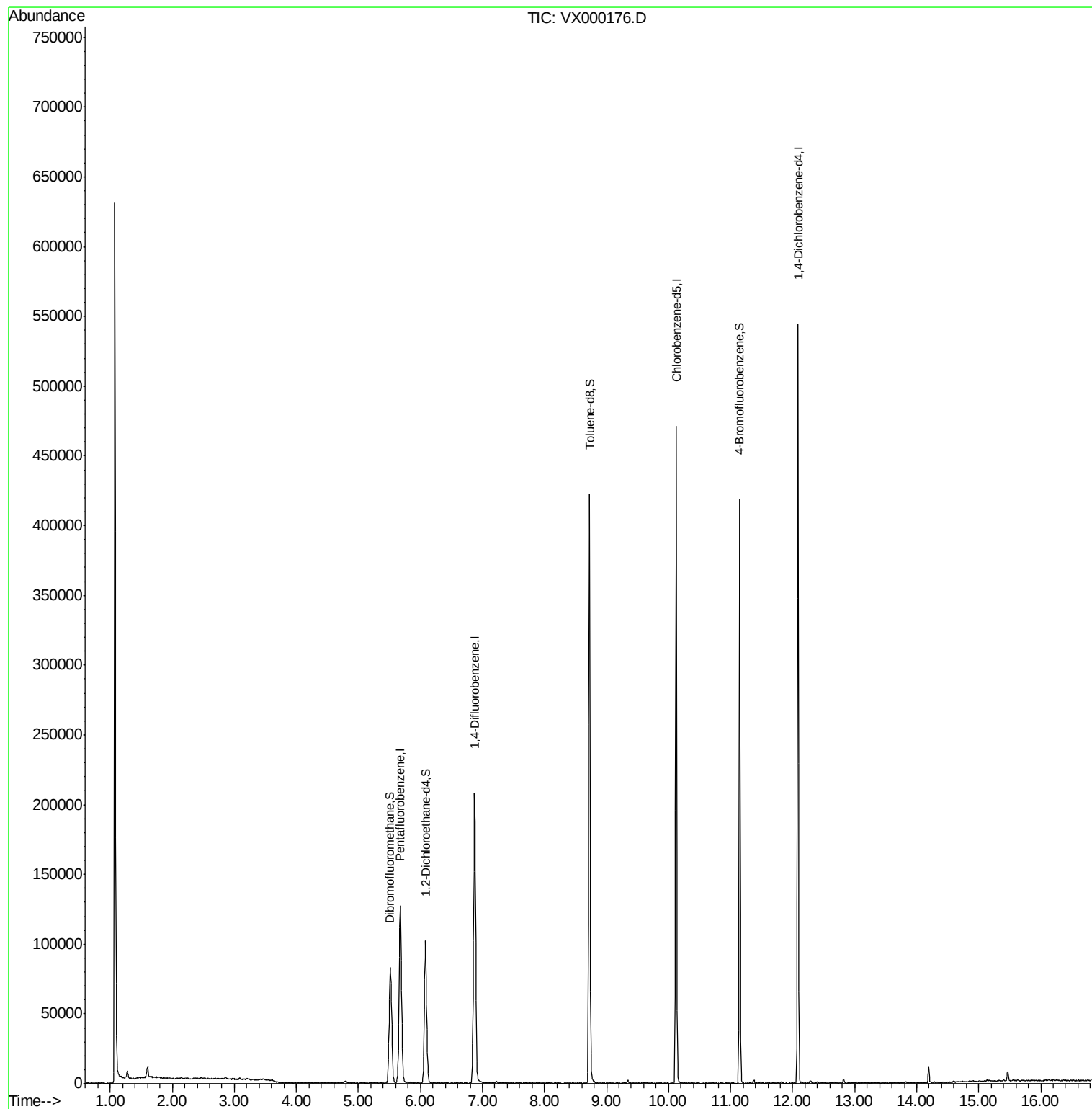
Target Compounds	Qvalue
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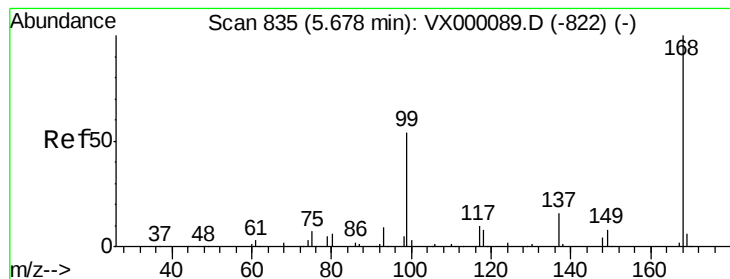
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000176.D

Acq: 28 Feb 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

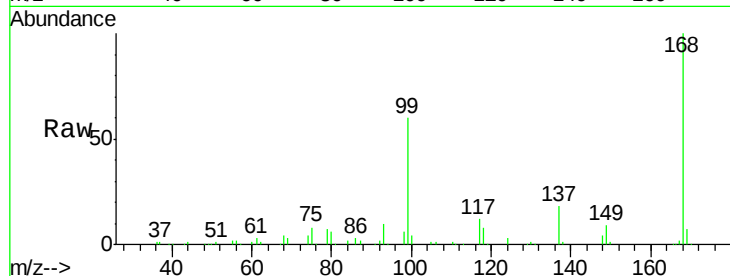
RFK-RMAB-MW11-GW

Tot Ion:168 Resp: 118416

Ion Ratio Lower Upper

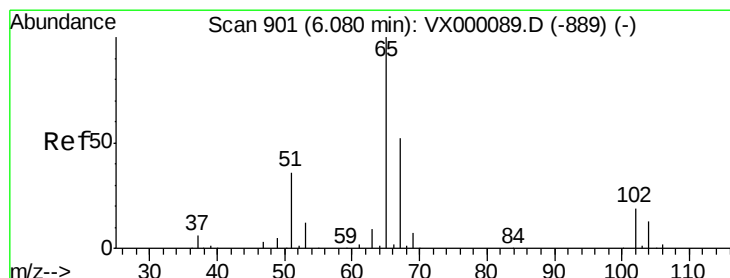
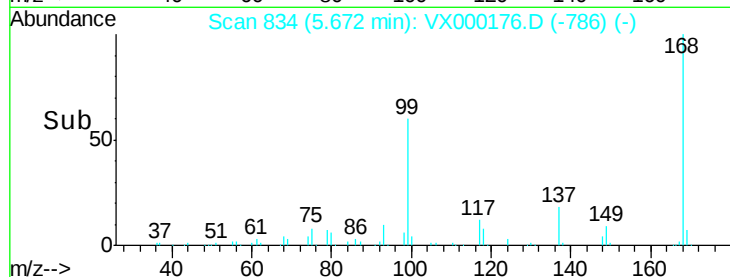
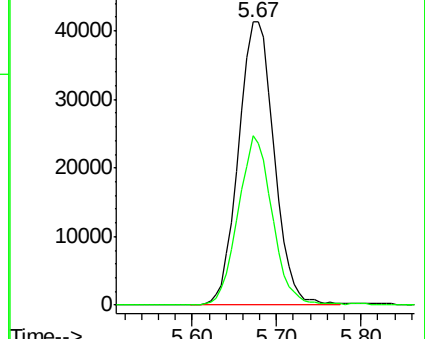
168 100

99 60.1 43.1 64.7



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: 60.62 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000176.D

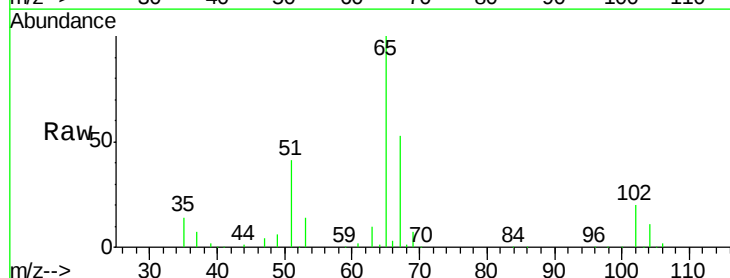
Acq: 28 Feb 2018 19:14

Tgt Ion: 65 Resp: 89640

Ion Ratio Lower Upper

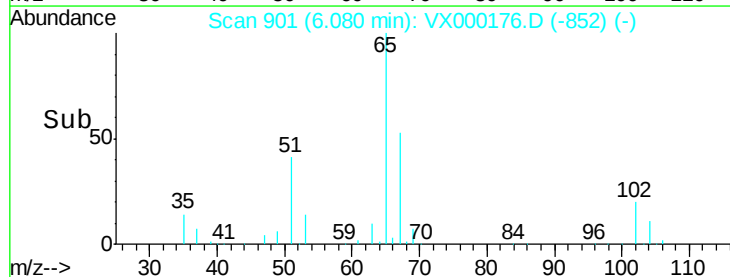
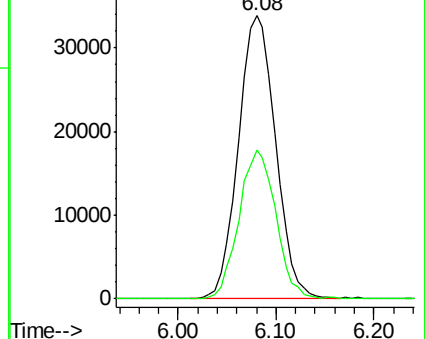
65 100

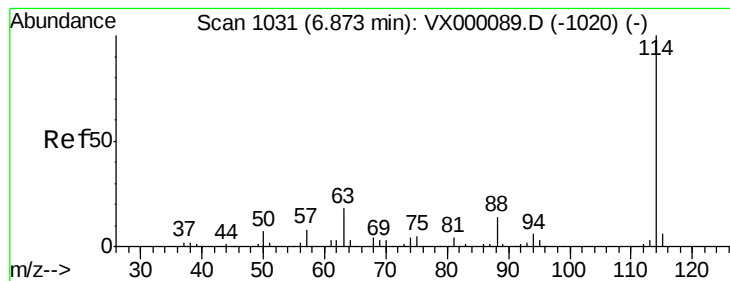
67 52.1 0.0 104.8



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: VX000176.D

Acq: 28 Feb 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

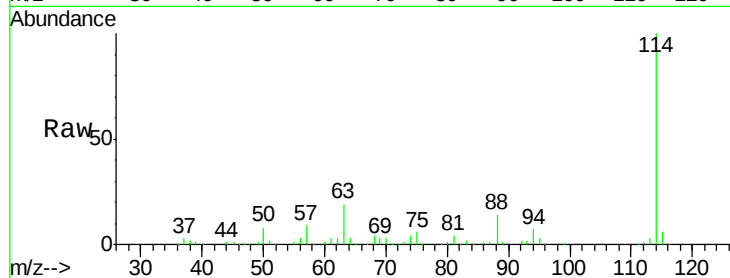
Tot Ion:114 Resp: 205179

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

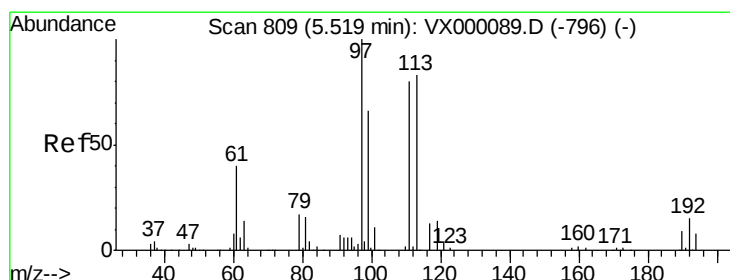
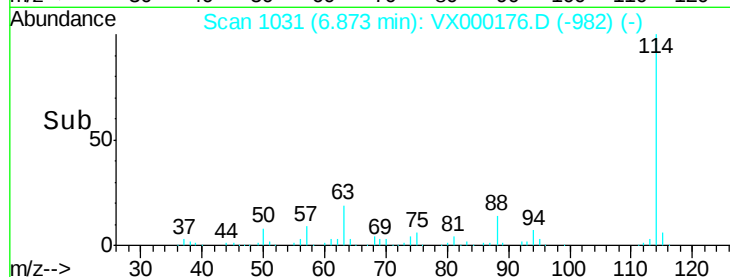
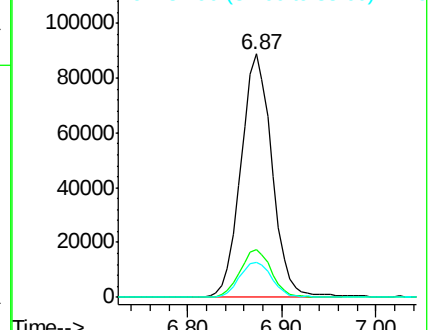
88 14.4 0.0 29.0



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: 50.58 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000176.D

Acq: 28 Feb 2018 19:14

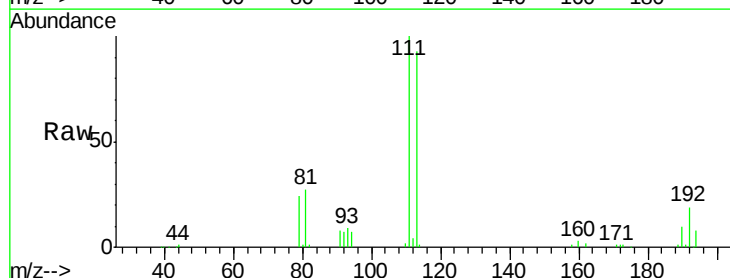
Tgt Ion:113 Resp: 65502

Ion Ratio Lower Upper

113 100

111 104.4 81.0 121.6

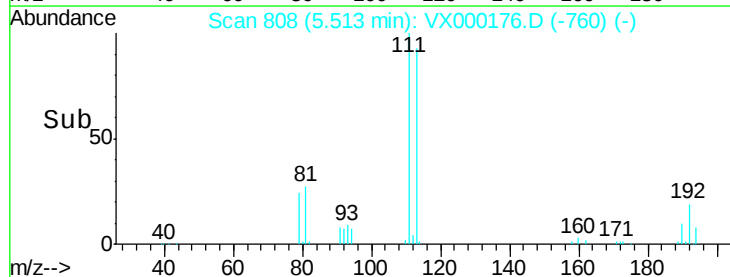
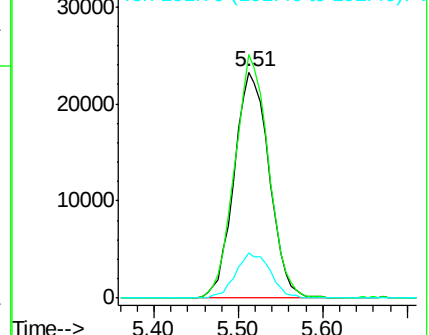
192 19.7 15.7 23.5

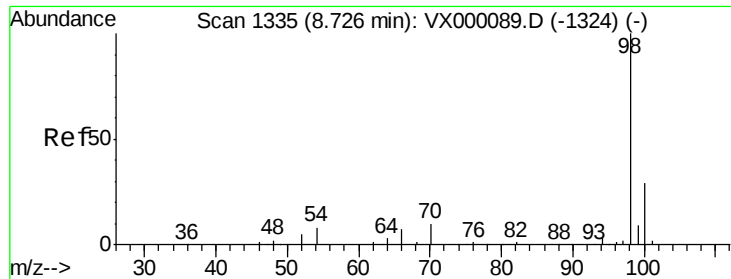


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.49 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000176.D

Acq: 28 Feb 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

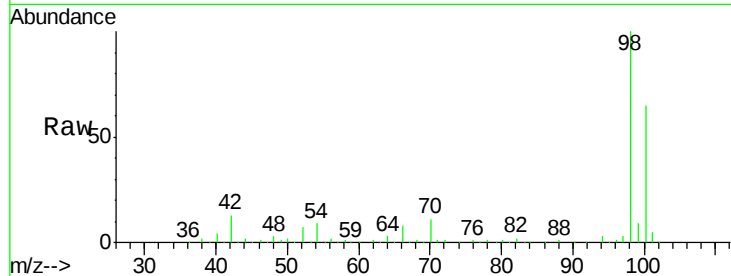
RFK-RMAB-MW11-GW

Tot Ion: 98 Resp: 247715

Ion Ratio Lower Upper

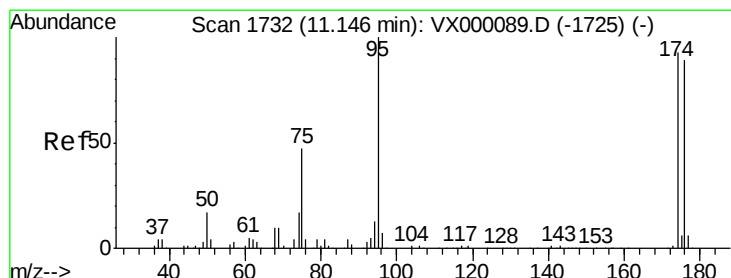
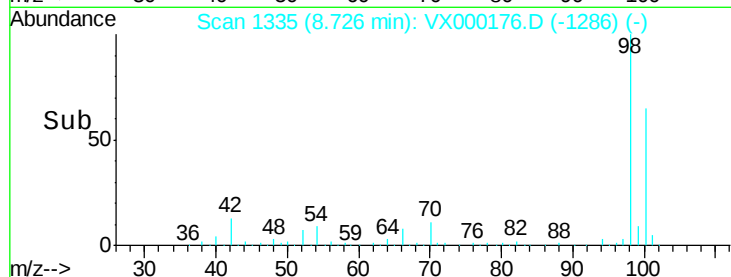
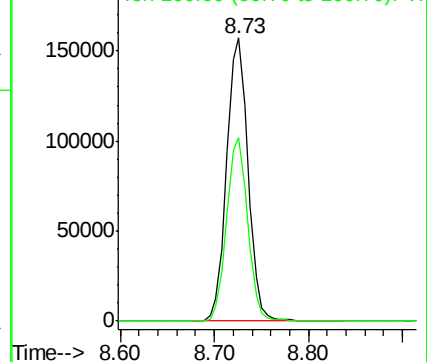
98 100

100 63.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.77 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000176.D

Acq: 28 Feb 2018 19:14

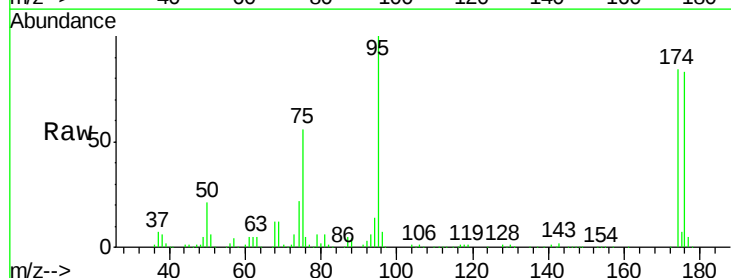
Tgt Ion: 95 Resp: 93673

Ion Ratio Lower Upper

95 100

174 84.7 0.0 187.8

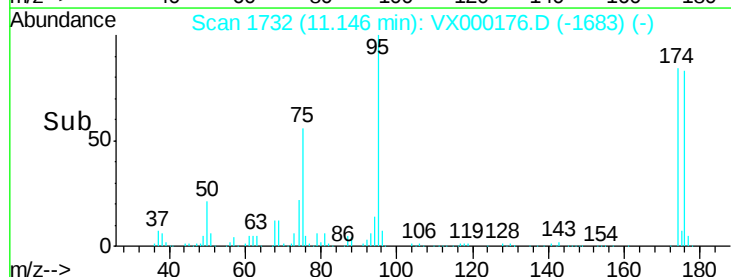
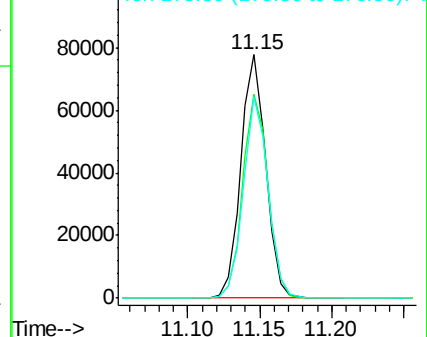
176 81.5 0.0 181.2

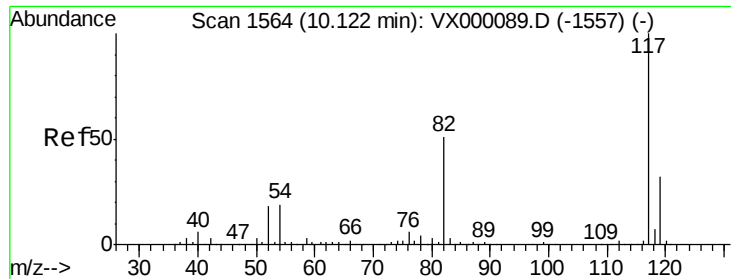


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

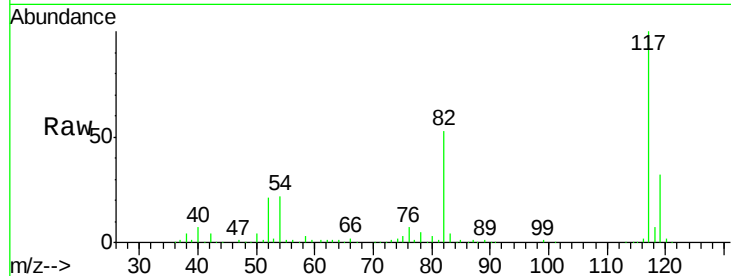




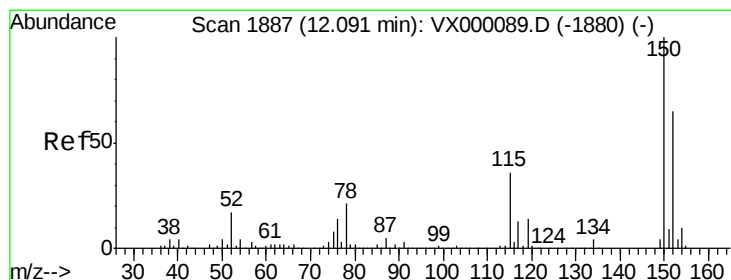
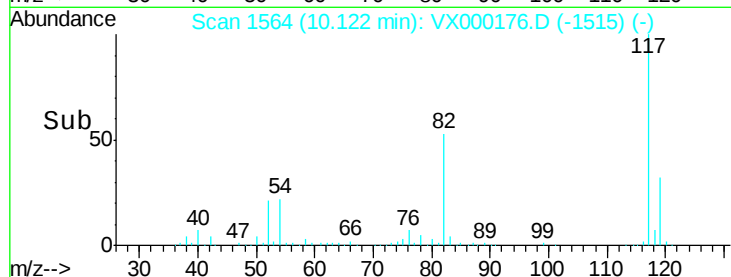
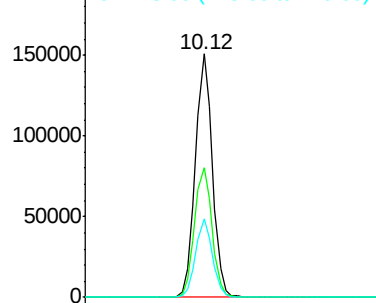
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000176.D
Acq: 28 Feb 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW11-GW

Tot Ion:117 Resp: 197761
Ion Ratio Lower Upper
117 100
82 53.4 41.0 61.6
119 32.3 25.5 38.3

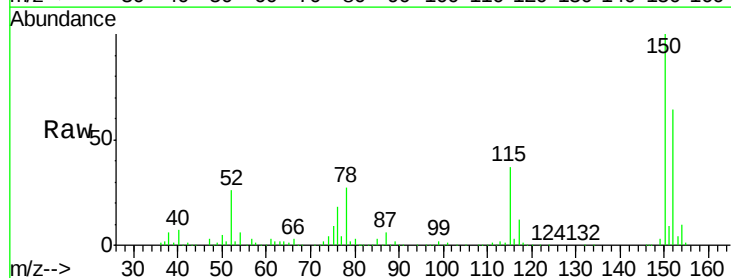


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000176.D
Acq: 28 Feb 2018 19:14

Tgt Ion:152 Resp: 103993
Ion Ratio Lower Upper
152 100
115 58.1 39.1 117.2
150 155.4 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

