

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041418\
 Data File : VX000884.D
 Acq On : 14 Apr 2018 19:18
 Operator : JC/MD
 Sample : J2353-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW007-180410

Quant Time: Apr 16 07:28:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200336	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	142154	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	
35) Dibromofluoromethane	5.51	113	114190	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	
50) Toluene-d8	8.73	98	456057	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.15	95	176664	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	

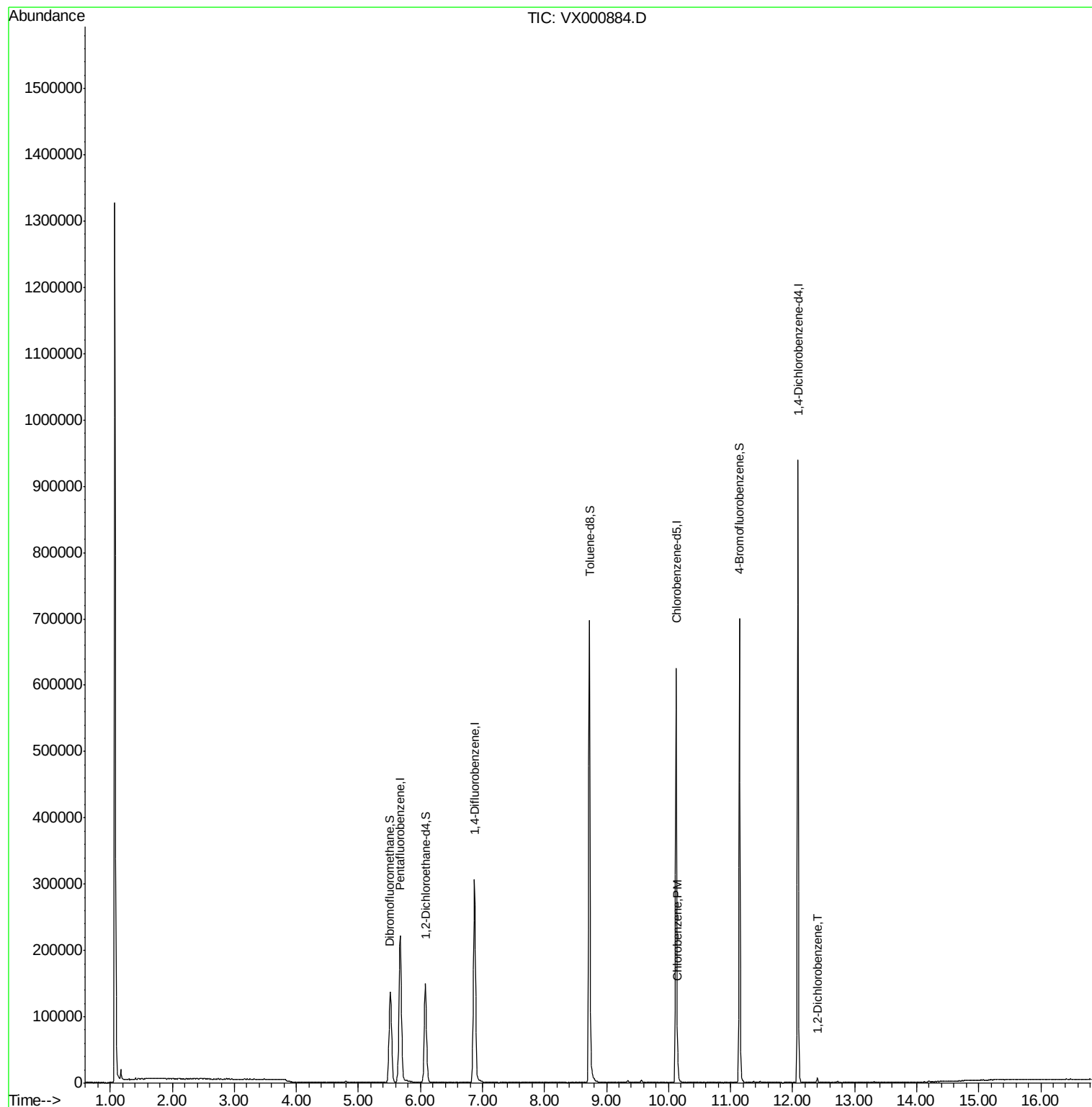
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
65) Chlorobenzene	10.15	112	9032	1.20	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	2262	0.34	ug/l	98

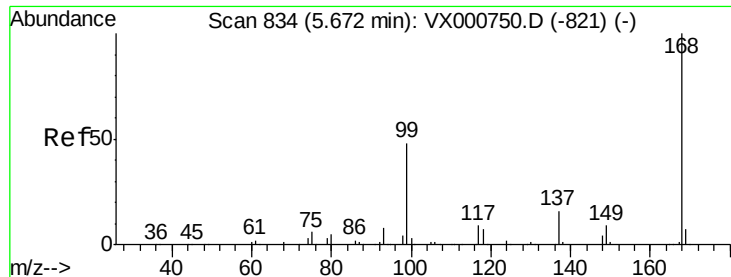
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

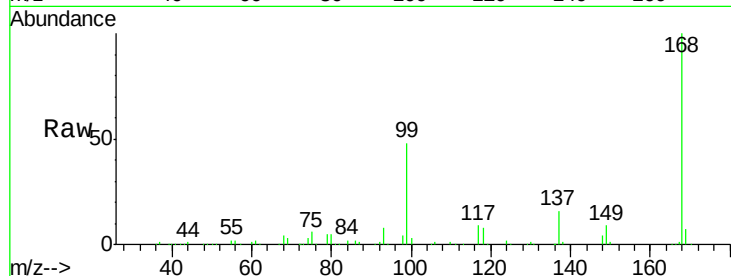
LF012MW007-180410

Tot Ion:168 Resp: 241244

Ion Ratio Lower Upper

168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

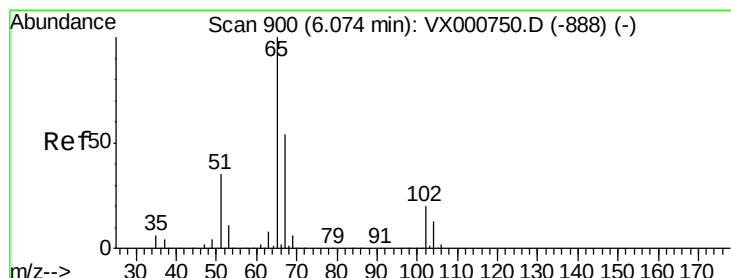
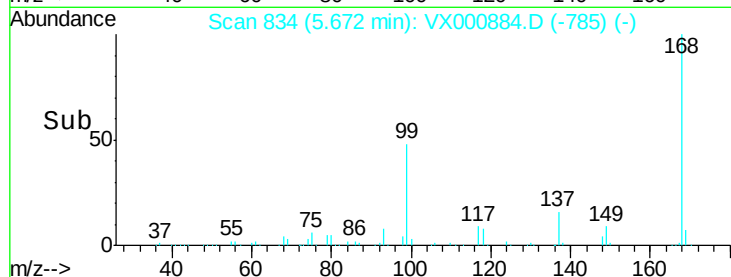
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 46.73 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000884.D

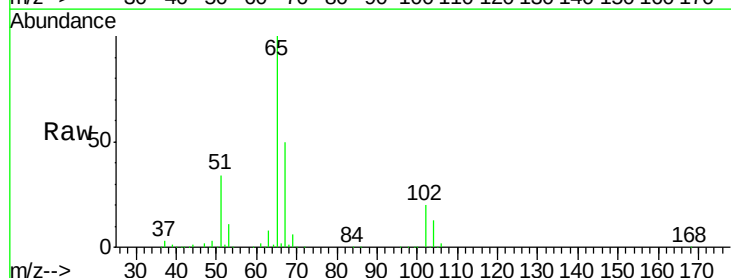
Acq: 14 Apr 2018 19:18

Tgt Ion: 65 Resp: 142154

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

60000

50000

40000

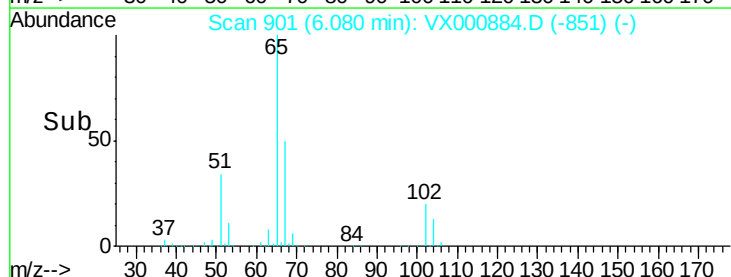
30000

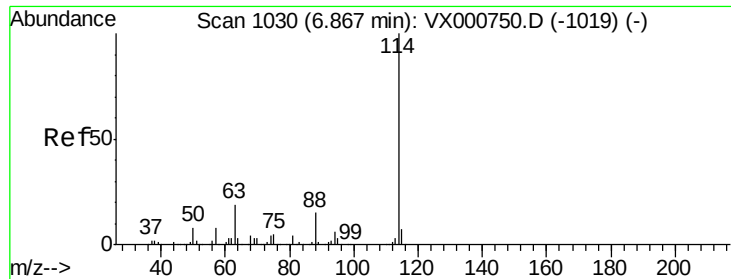
20000

10000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

LF012MW007-180410

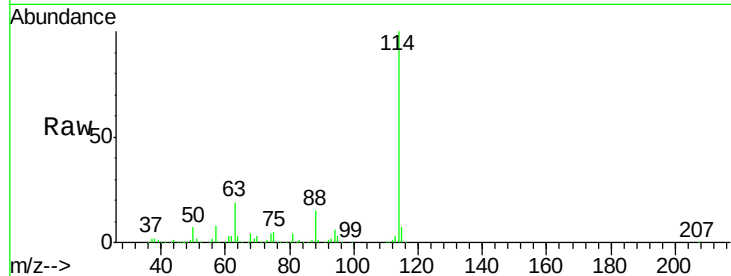
Tot Ion:114 Resp: 326367

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

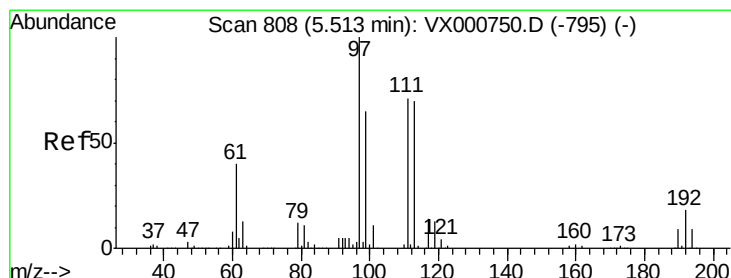
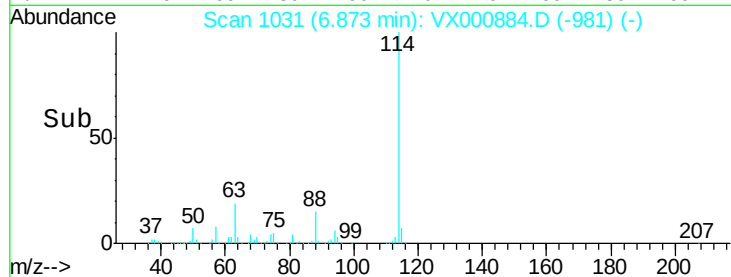
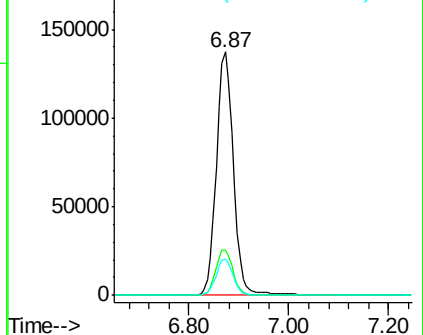
88 14.7 0.0 31.0



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: 45.41 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

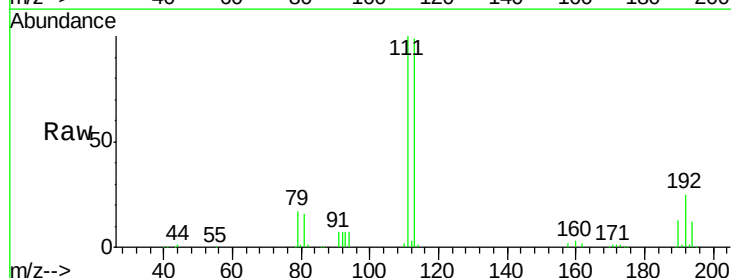
Tgt Ion:113 Resp: 114190

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

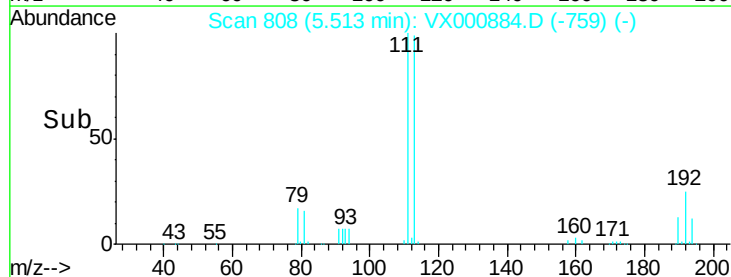
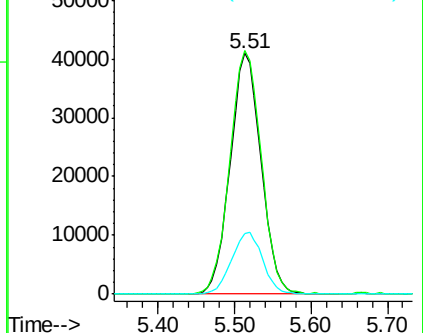
192 25.7 20.4 30.6

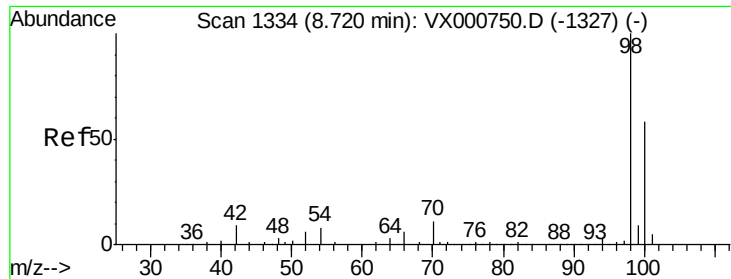


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.71 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

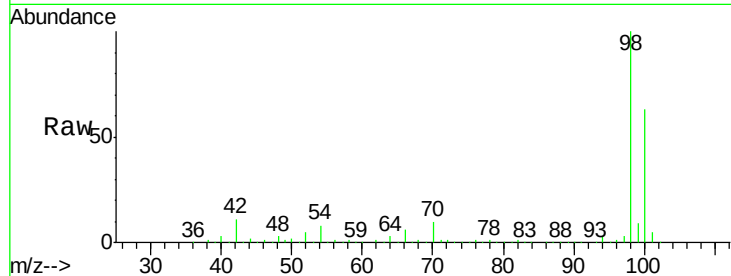
LF012MW007-180410

Tot Ion: 98 Resp: 456057

Ion Ratio Lower Upper

98 100

100 63.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.73

300000

250000

200000

150000

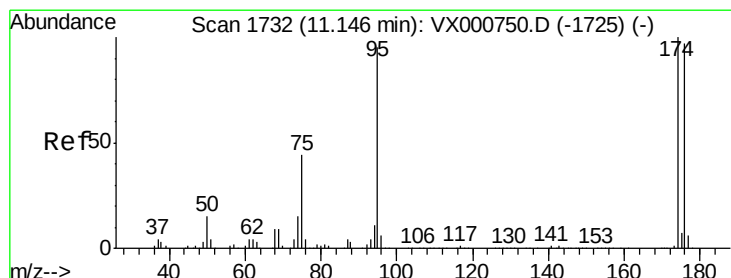
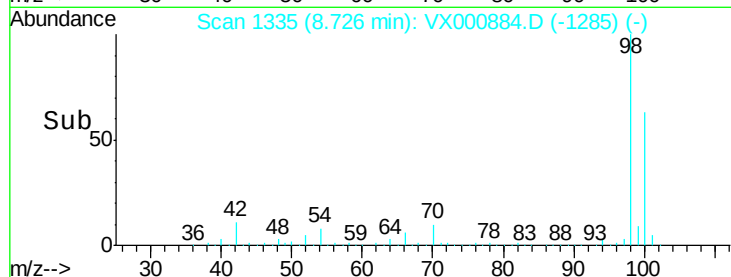
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

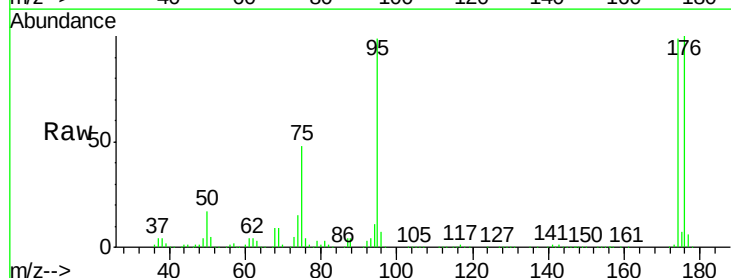
Tgt Ion: 95 Resp: 176664

Ion Ratio Lower Upper

95 100

174 97.6 0.0 198.4

176 95.7 0.0 194.4



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

11.15

150000

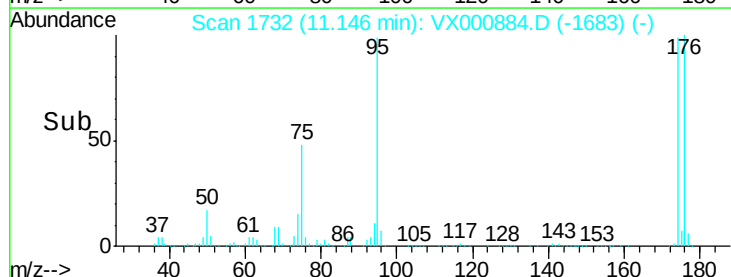
100000

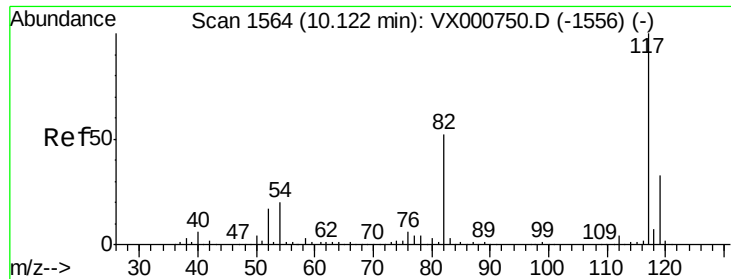
50000

0

11.10 11.20

Time-->

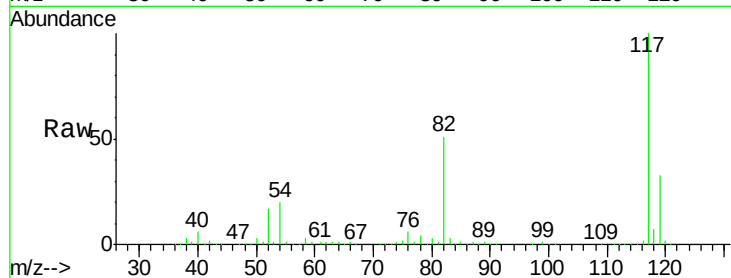




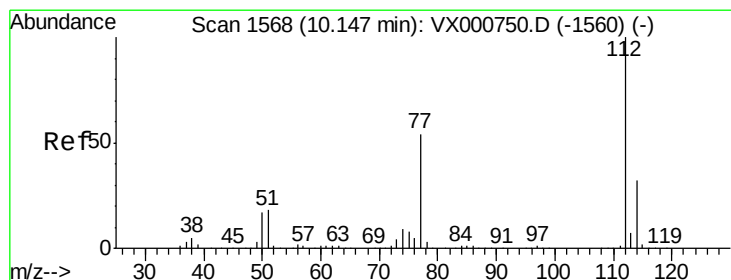
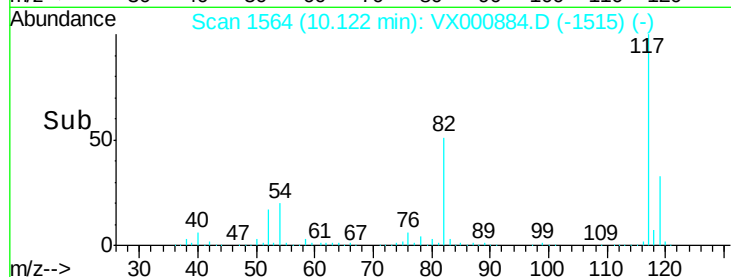
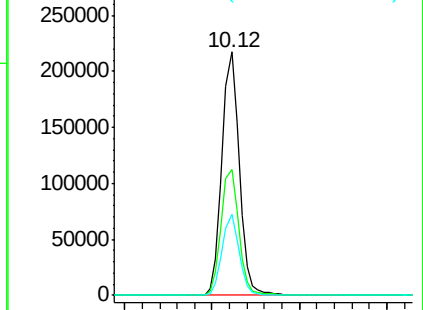
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000884.D
Acq: 14 Apr 2018 19:18

Instrument :
MSVOA_X
ClientSampleId :
LF012MW007-180410

Tot Ion:117 Resp: 300228
Ion Ratio Lower Upper
117 100
82 51.5 41.9 62.9
119 33.1 26.0 39.0

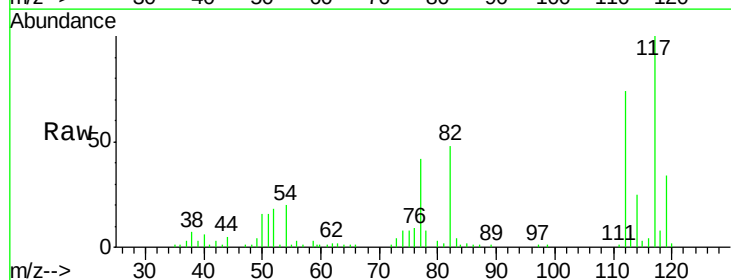


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

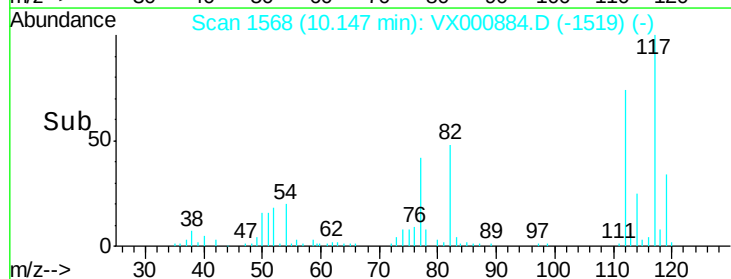
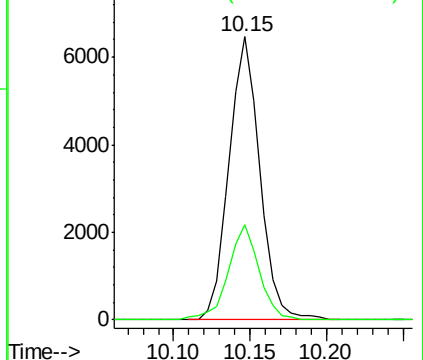


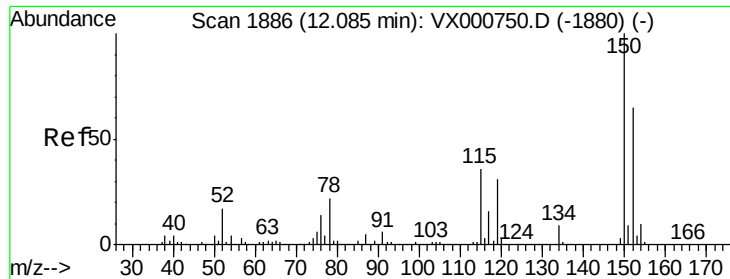
#65
Chlorobenzene
Concen: 1.20 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000884.D
Acq: 14 Apr 2018 19:18

Tgt Ion:112 Resp: 9032
Ion Ratio Lower Upper
112 100
114 33.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

LF012MW007-180410

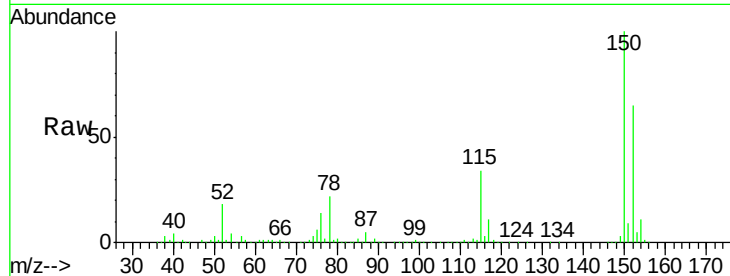
Tot Ion:152 Resp: 200336

Ion Ratio Lower Upper

152 100

115 52.9 37.9 113.7

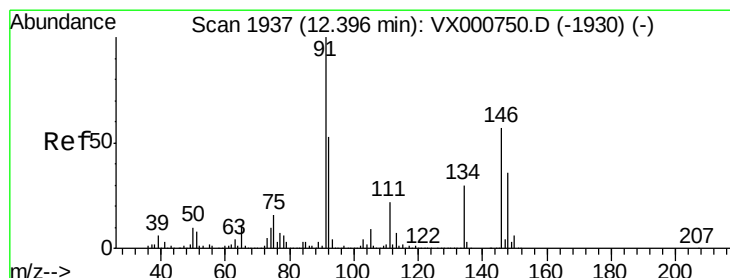
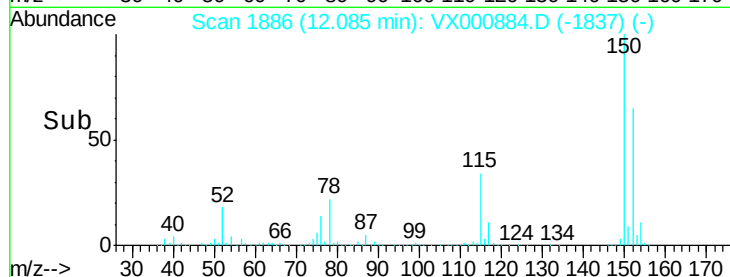
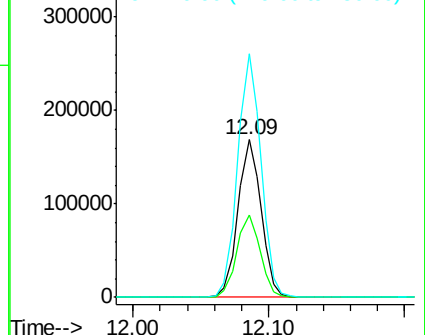
150 155.5 0.0 348.0



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



#91

1,2-Dichlorobenzene

Concen: 0.34 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000884.D

Acq: 14 Apr 2018 19:18

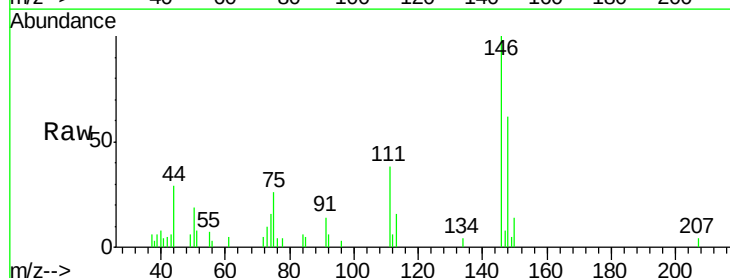
Tgt Ion:146 Resp: 2262

Ion Ratio Lower Upper

146 100

111 38.7 18.9 56.7

148 62.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

