

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045406.D
 Acq On : 17 Sep 2015 15:04
 Operator : FY/SY
 Sample : VF0917SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBL01

Quant Time: Sep 18 10:21:33 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1110477	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1746004	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.71	117	1553669	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	813931	50.00	ug/l	0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.78	65	581029	48.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.44%	
34) Dibromofluoromethane	4.04	113	660344	48.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.64%	
49) Toluene-d8	7.51	98	2004223	50.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.60%	
61) 4-Bromofluorobenzene	11.36	95	839165	43.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.62%	

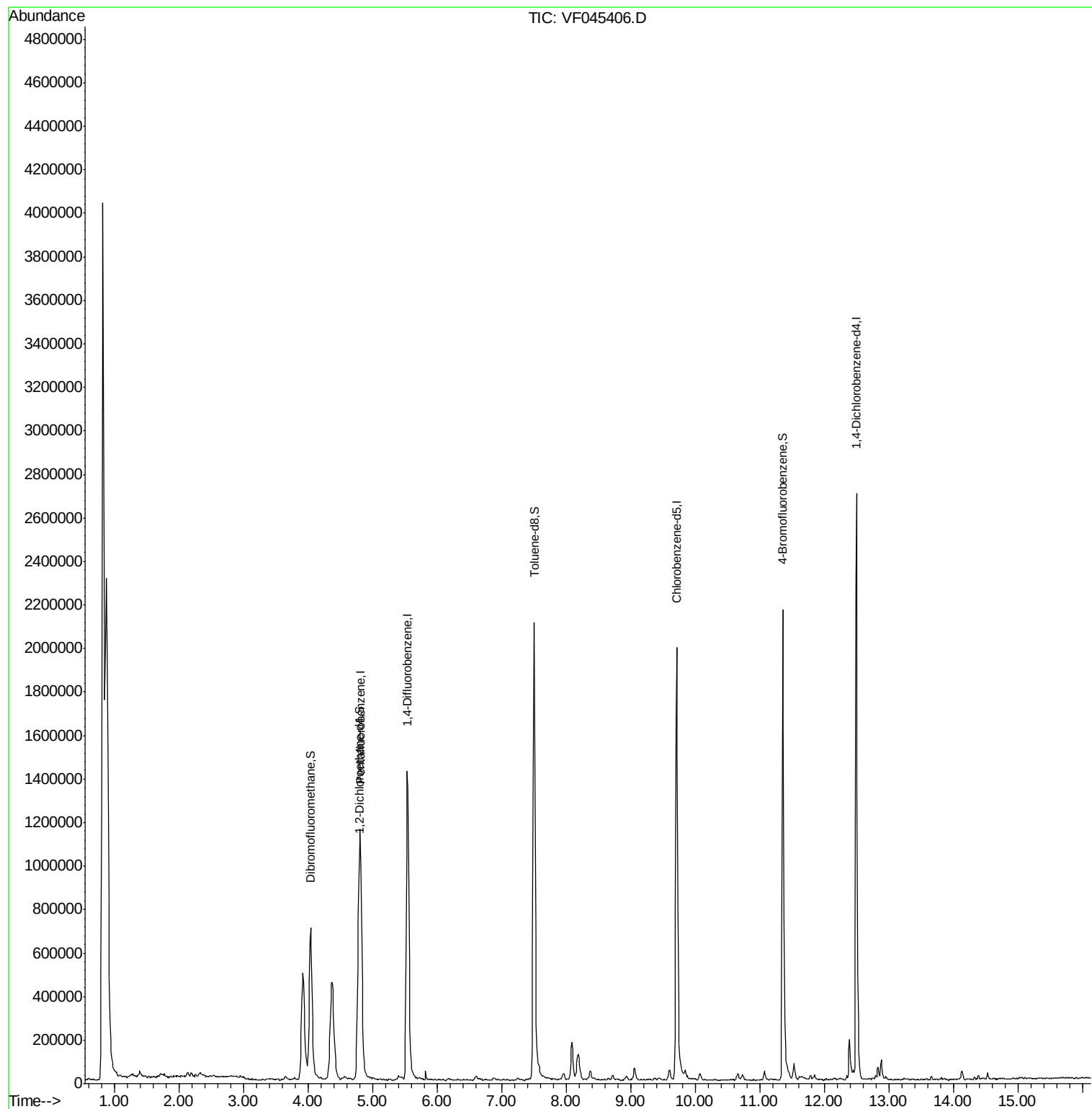
Target Compounds	Qvalue

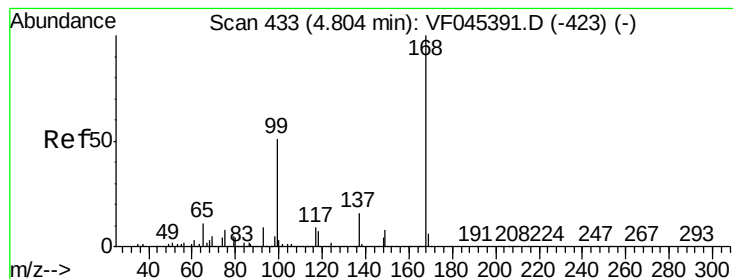
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 16 16:04:03 2015
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

Instrument :

MSVOA_F

ClientSampleId :

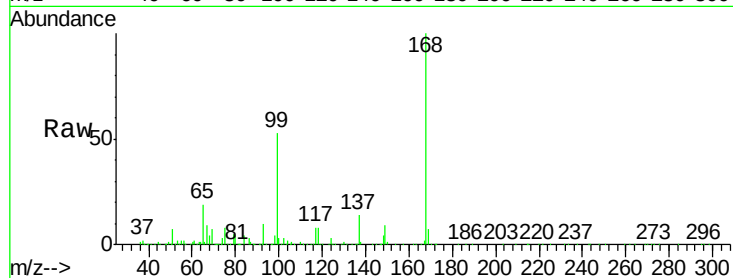
VF0917SBL01

Tot Ion:168 Resp: 1110477

Ion Ratio Lower Upper

168 100

99 52.8 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.81

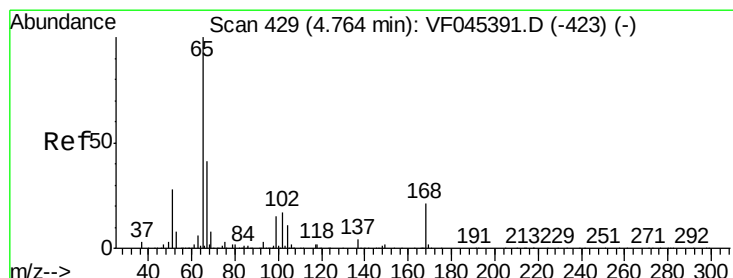
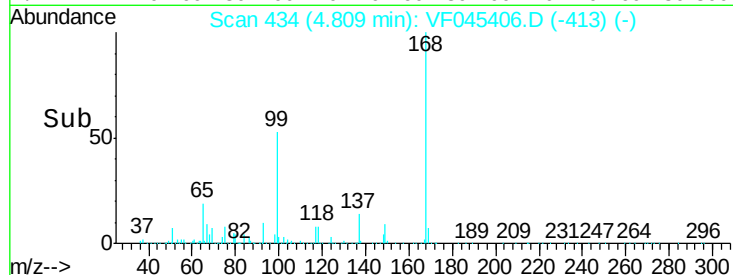
300000

200000

100000

0

Time-->



#32

1,2-Dichloroethane-d4

Concen: 48.72 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF045406.D

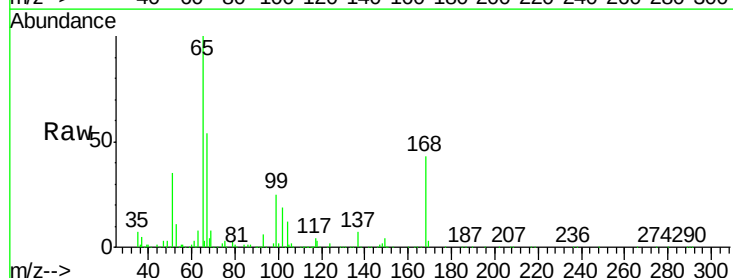
Acq: 17 Sep 2015 15:04

Tgt Ion: 65 Resp: 581029

Ion Ratio Lower Upper

65 100

67 54.1 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.78

200000

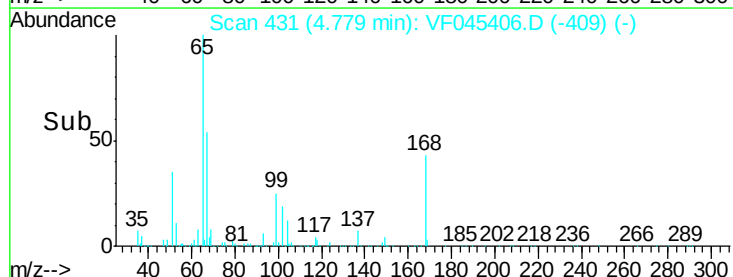
150000

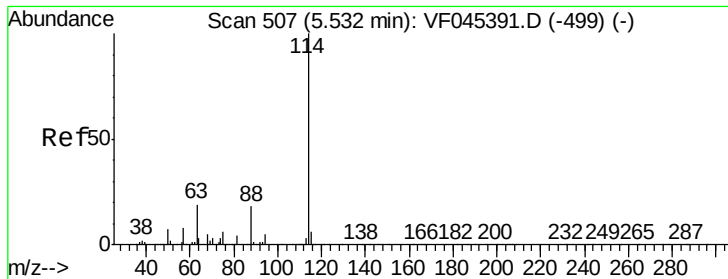
100000

50000

0

Time-->

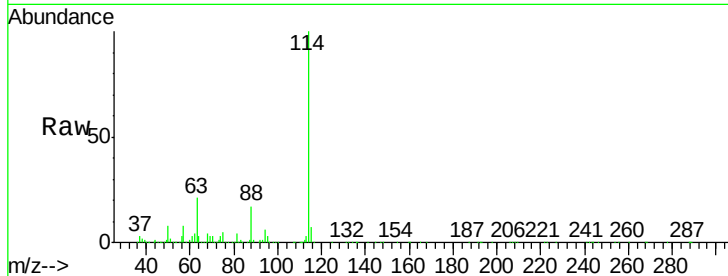




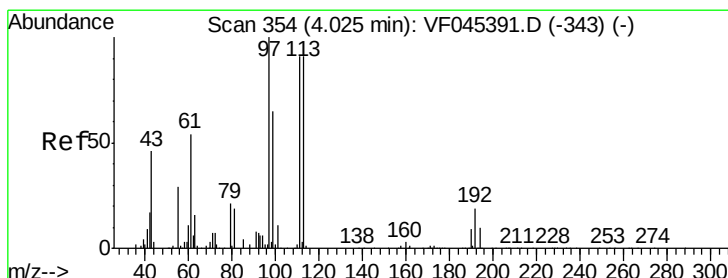
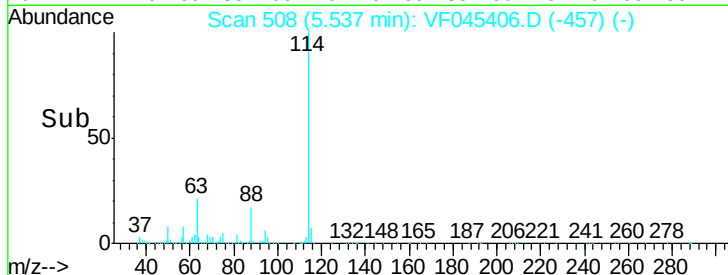
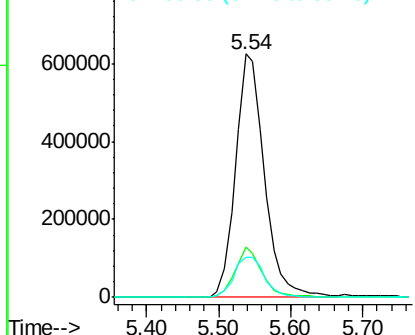
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VF045406.D
 Acq: 17 Sep 2015 15:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBL01

Tot Ion:114 Resp: 1746004
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.2
 88 16.7 0.0 37.0

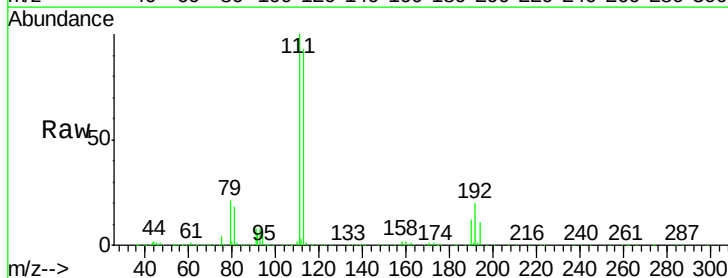


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

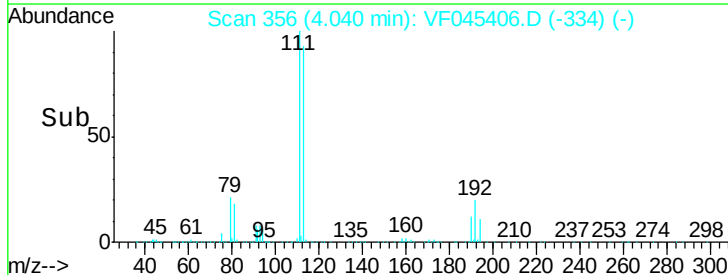
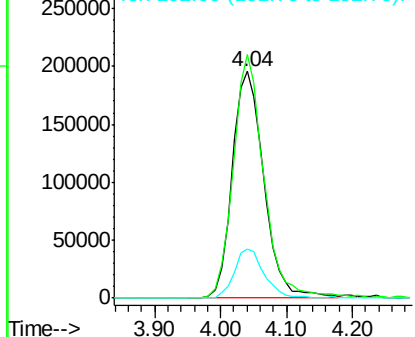


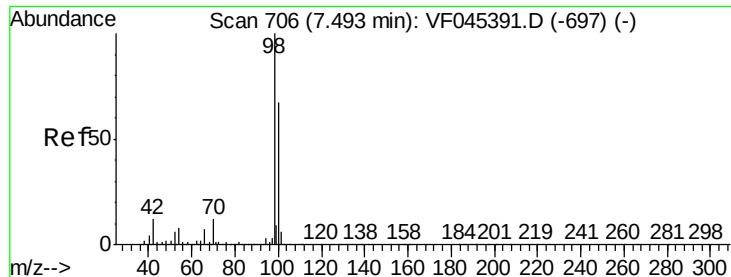
#34
 Dibromofluoromethane
 Concen: 48.82 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VF045406.D
 Acq: 17 Sep 2015 15:04

Tgt Ion:113 Resp: 660344
 Ion Ratio Lower Upper
 113 100
 111 107.4 75.5 113.3
 192 21.6 15.6 23.4



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V





#49

Toluene-d8

Concen: 50.30 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

Instrument :

MSVOA_F

ClientSampleId :

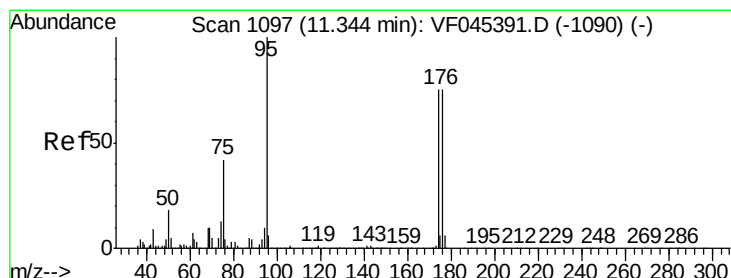
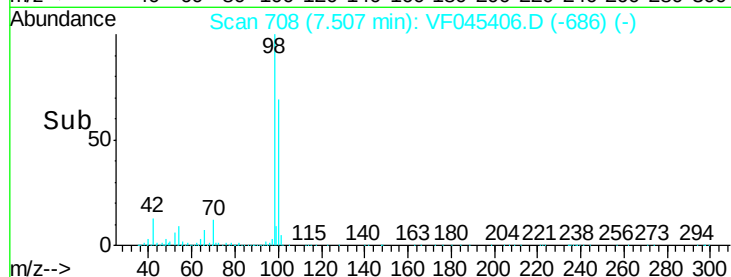
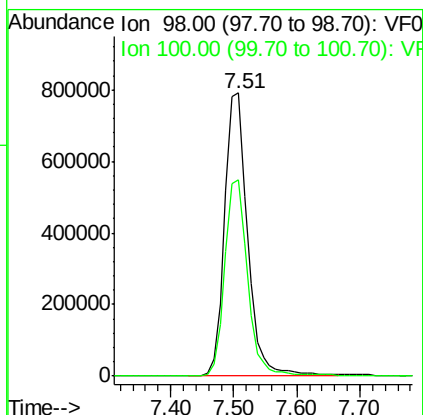
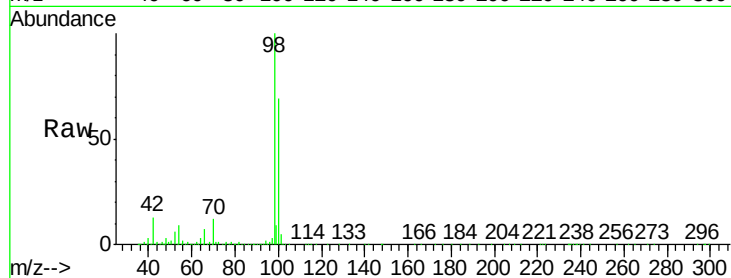
VF0917SBL01

Tot Ion: 98 Resp: 2004223

Ion Ratio Lower Upper

98 100

100 69.4 54.4 81.6



#61

4-Bromofluorobenzene

Concen: 43.81 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

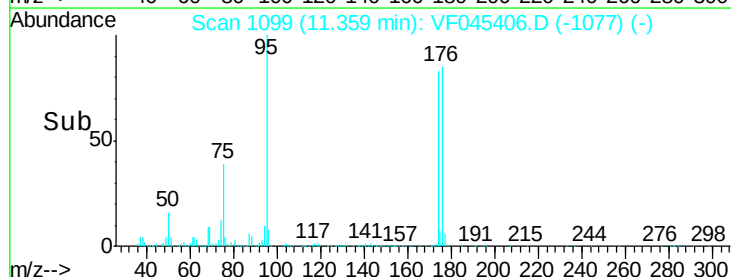
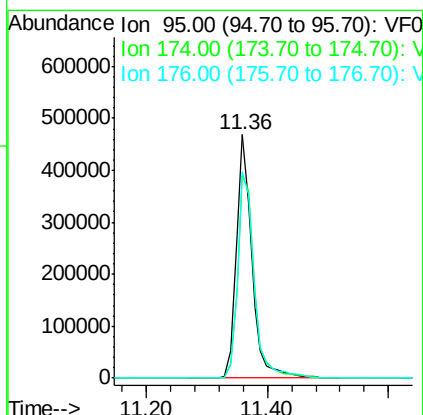
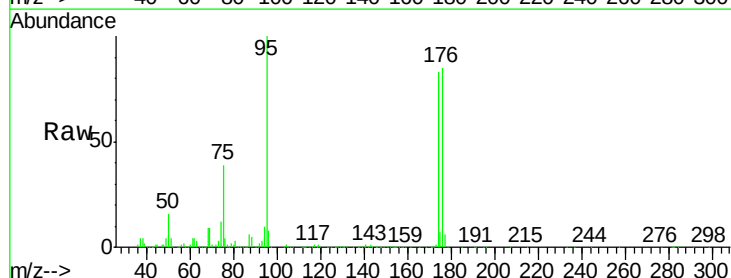
Tgt Ion: 95 Resp: 839165

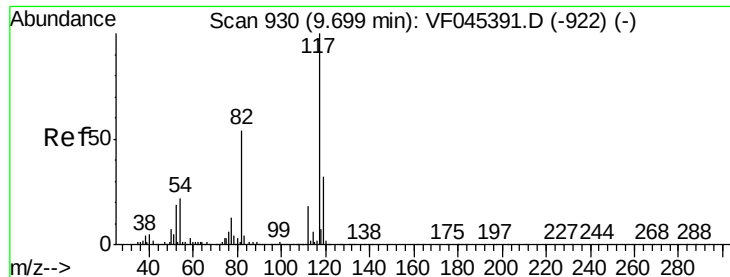
Ion Ratio Lower Upper

95 100

174 83.3 0.0 177.8

176 84.9 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 932

Delta R.T. 0.01 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBL01

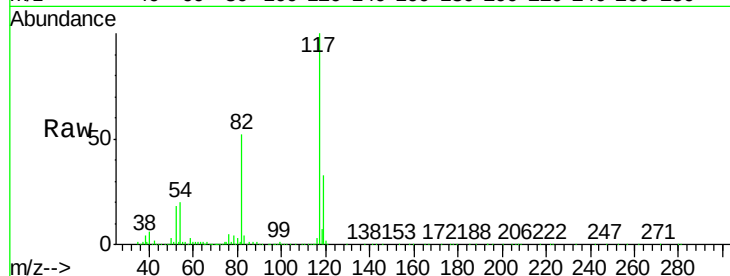
Tot Ion:117 Resp: 1553669

Ion Ratio Lower Upper

117 100

82 52.4 45.0 67.6

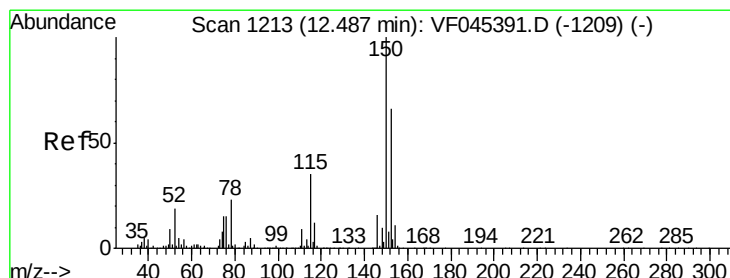
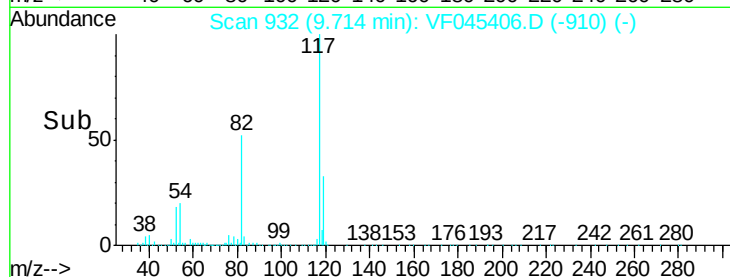
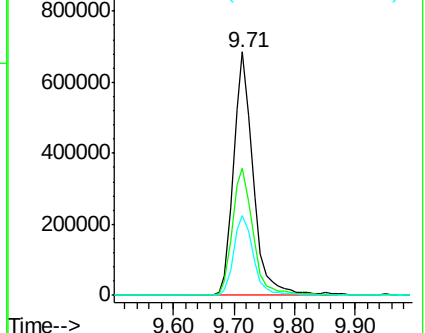
119 32.9 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. 0.01 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

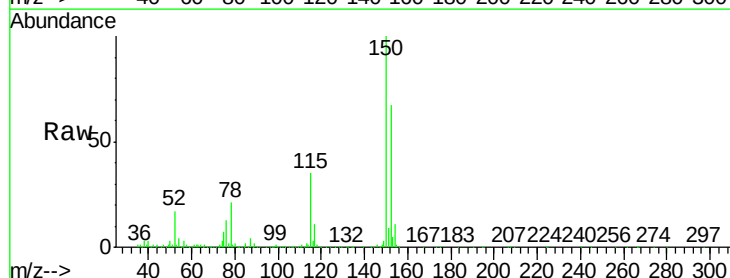
Tgt Ion:152 Resp: 813931

Ion Ratio Lower Upper

152 100

115 52.3 28.3 85.0

150 149.1 0.0 324.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

