

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045415.D
 Acq On : 17 Sep 2015 19:20
 Operator : FY/SY
 Sample : G3708-10
 Misc : 7.42g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP201-40-41

Quant Time: Sep 18 04:15:44 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

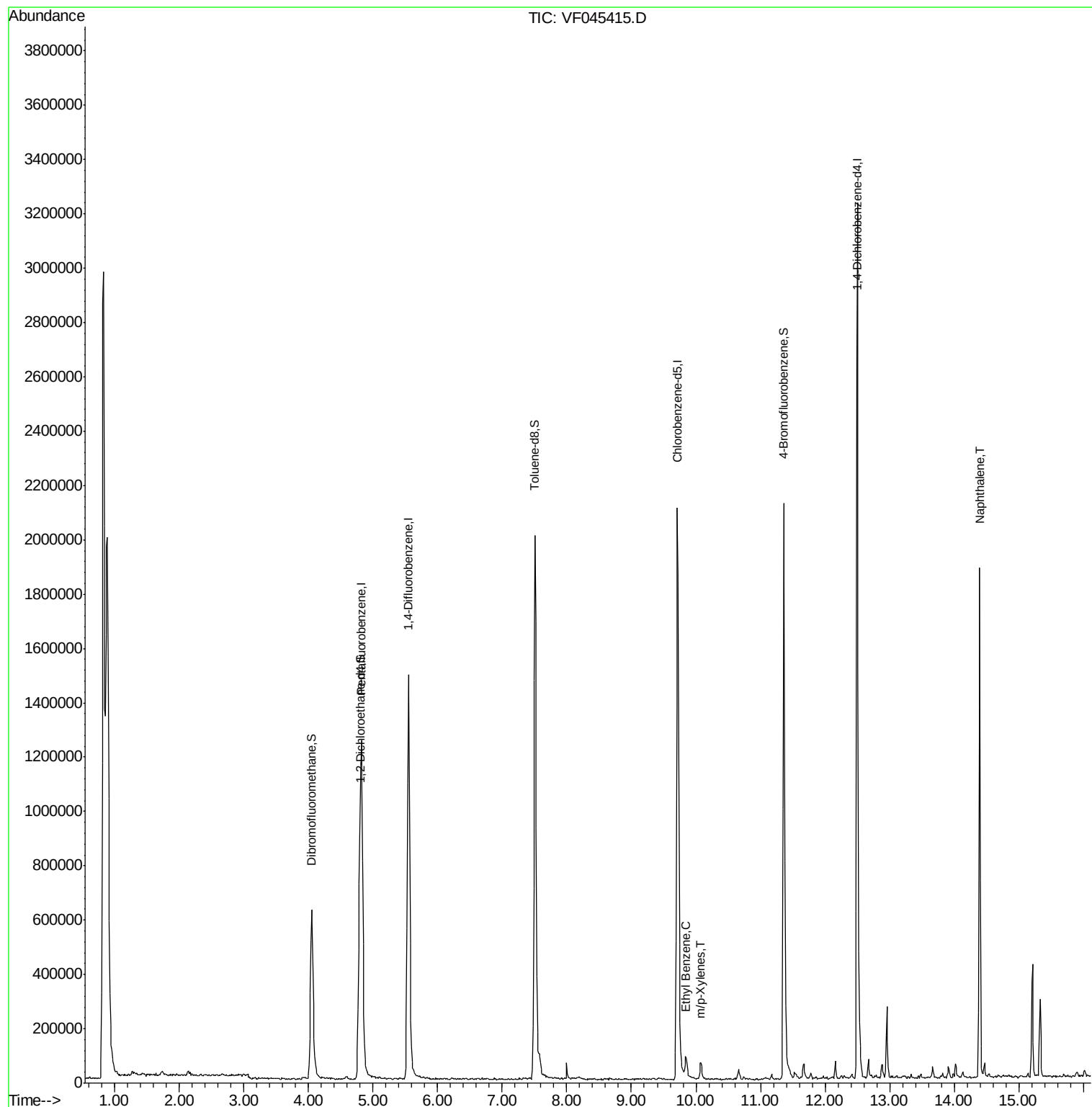
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	1188807	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.56	114	1793416	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.71	117	1663212	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	946526	50.00	ug/l	0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.79	65	546681	42.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	85.64%	
34) Dibromofluoromethane	4.05	113	601105	43.27	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.54%	
49) Toluene-d8	7.51	98	1752152	42.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.62%	
61) 4-Bromofluorobenzene	11.36	95	843918	42.90	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.80%	
Target Compounds						
66) Ethyl Benzene	9.85	91	70150	1.16	ug/l	99
67) m/p-Xylenes	10.07	106	26600	1.23	ug/l #	70
94) Naphthalene	14.39	128	1300951	42.59	ug/l	99

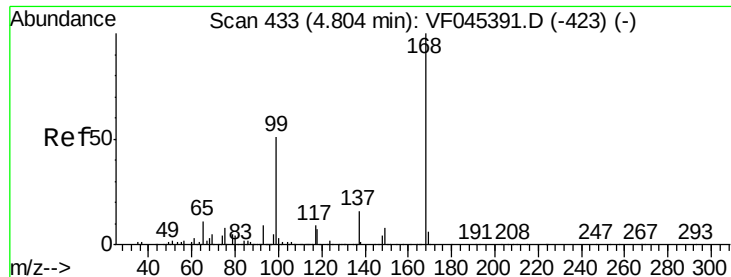
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF045415.D

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Instrument :

MSVOA_F

ClientSampleId :

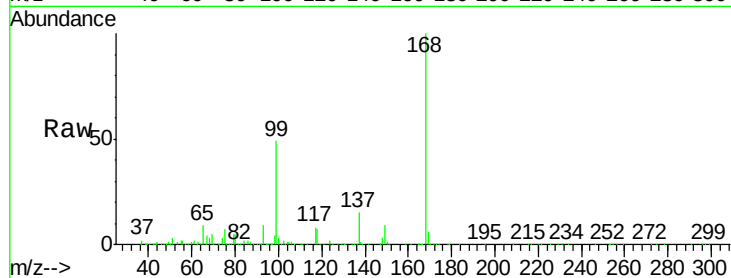
MGP201-40-41

Tot Ion:168 Resp: 1188807

Ion Ratio Lower Upper

168 100

99 48.6 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.83

400000

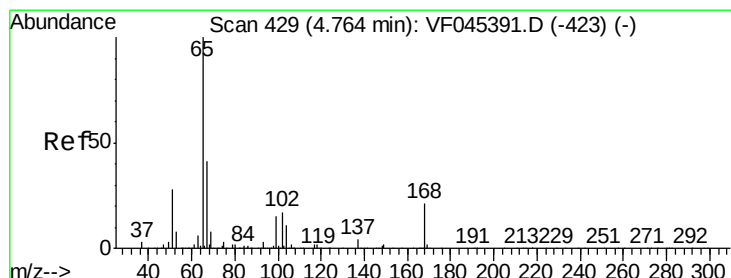
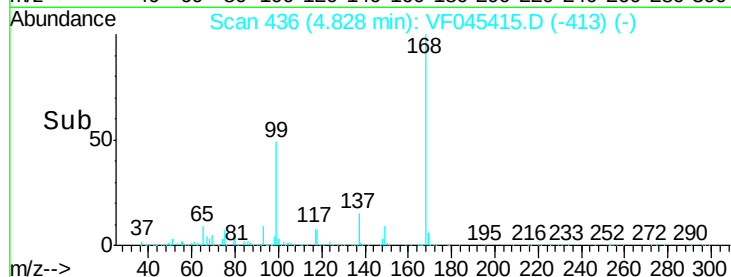
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#32

1,2-Dichloroethane-d4

Concen: 42.82 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF045415.D

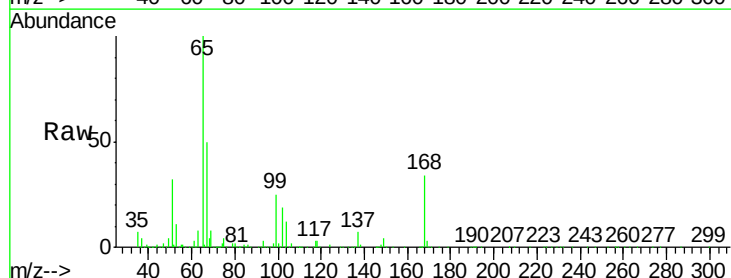
Acq: 17 Sep 2015 19:20

Tgt Ion: 65 Resp: 546681

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.79

200000

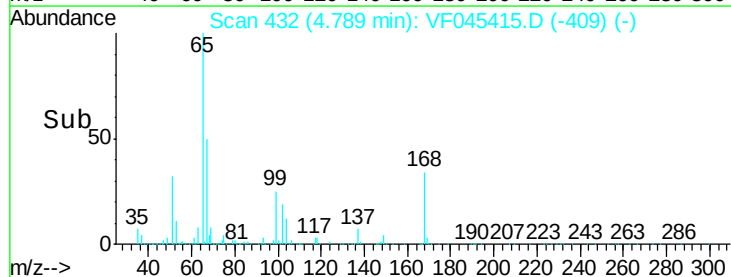
150000

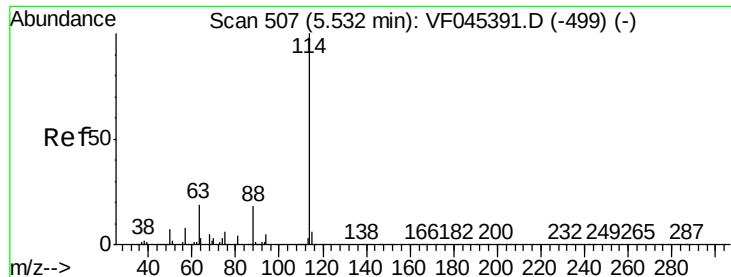
100000

50000

0

Time--> 4.70 4.80 4.90 5.00

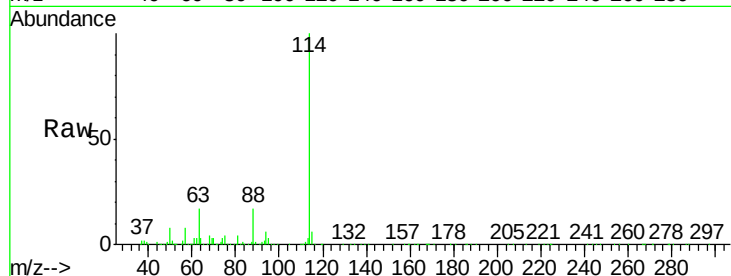




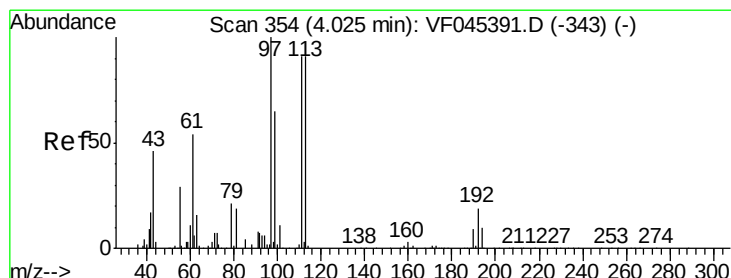
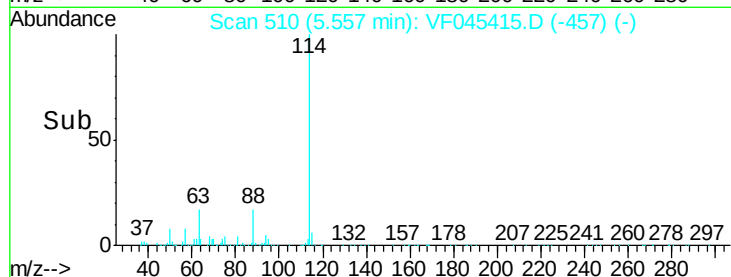
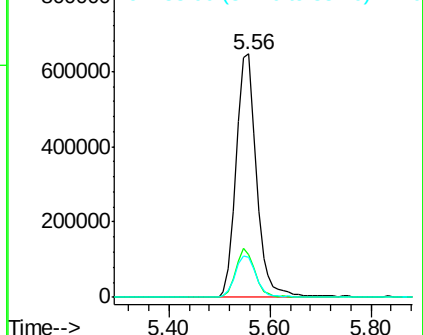
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 510
 Delta R.T. 0.02 min
 Lab File: VF045415.D
 Acq: 17 Sep 2015 19:20

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP201-40-41

Tot Ion:114 Resp: 1793416
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.2
 88 16.6 0.0 37.0

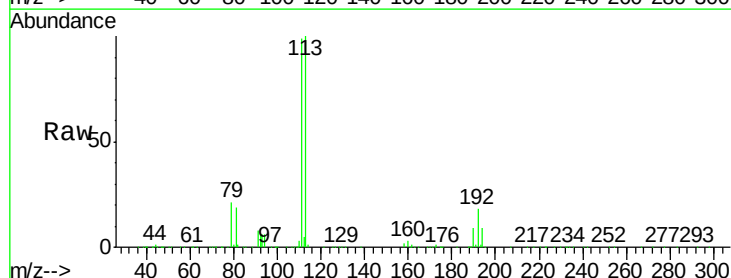


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

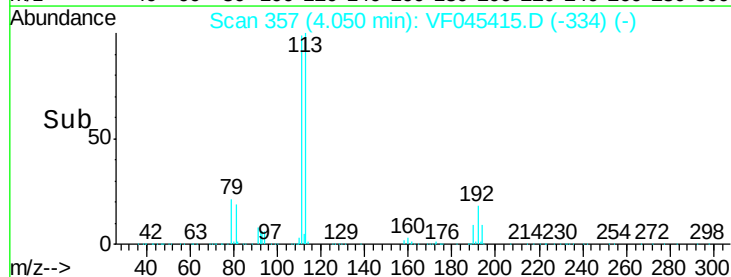
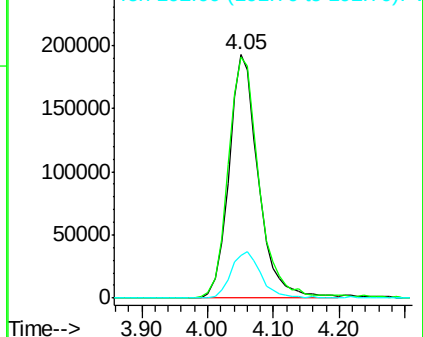


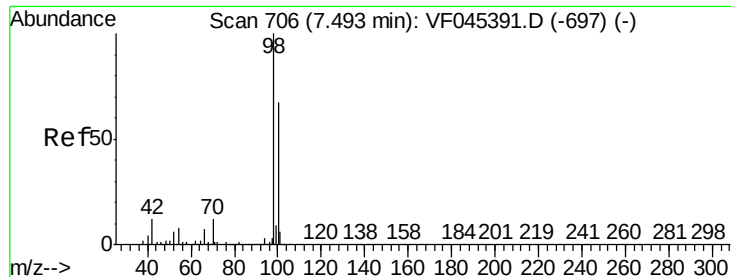
#34
 Dibromofluoromethane
 Concen: 43.27 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045415.D
 Acq: 17 Sep 2015 19:20

Tgt Ion:113 Resp: 601105
 Ion Ratio Lower Upper
 113 100
 111 98.9 75.5 113.3
 192 17.8 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: 42.81 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045415.D

Acq: 17 Sep 2015 19:20

Instrument :

MSVOA_F

ClientSampleId :

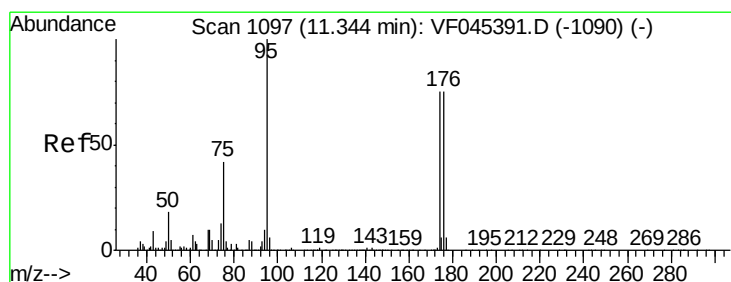
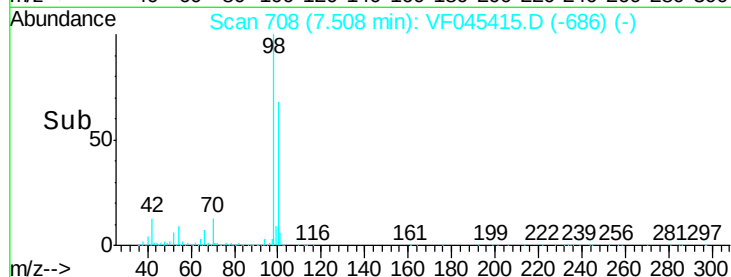
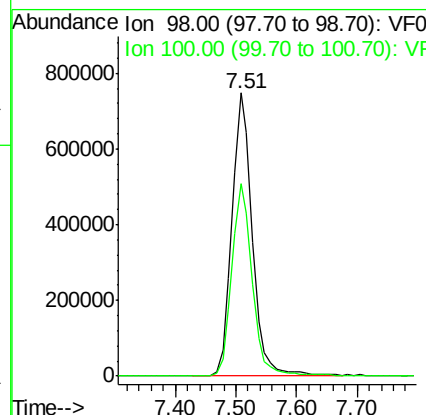
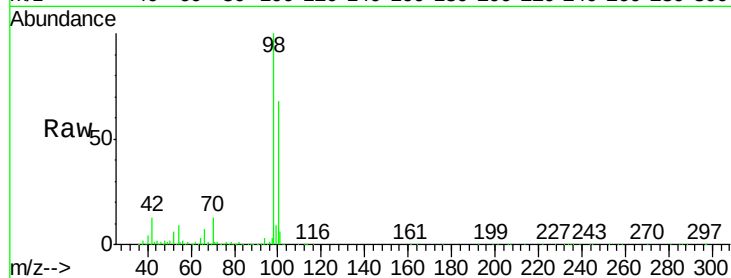
MGP201-40-41

Tot Ion: 98 Resp: 1752152

Ion Ratio Lower Upper

98 100

100 67.9 54.4 81.6



#61

4-Bromofluorobenzene

Concen: 42.90 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VF045415.D

Acq: 17 Sep 2015 19:20

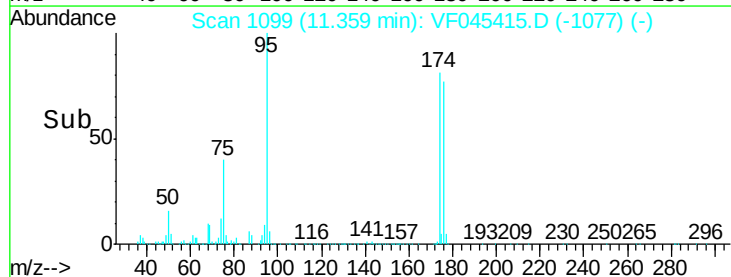
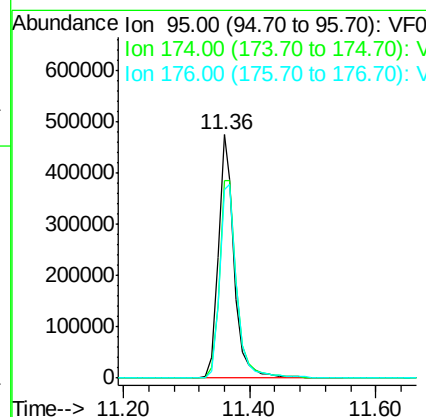
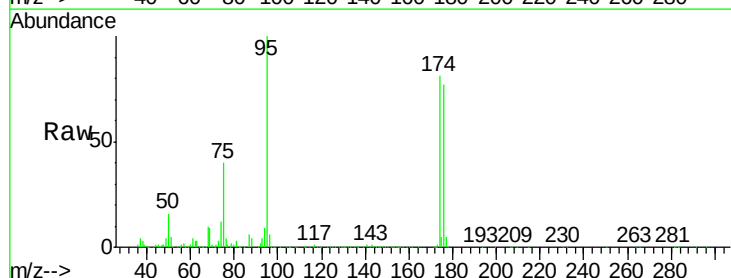
Tgt Ion: 95 Resp: 843918

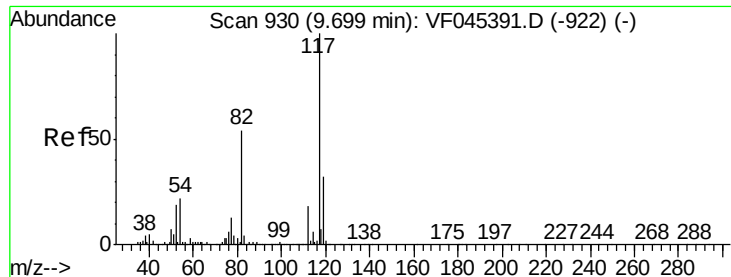
Ion Ratio Lower Upper

95 100

174 81.0 0.0 177.8

176 77.4 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: VF045415.D

Acq: 17 Sep 2015 19:20

Instrument :

MSVOA_F

ClientSampleId :

MGP201-40-41

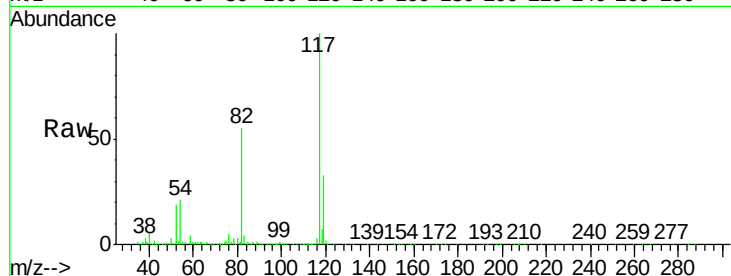
Tot Ion:117 Resp: 1663212

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.6

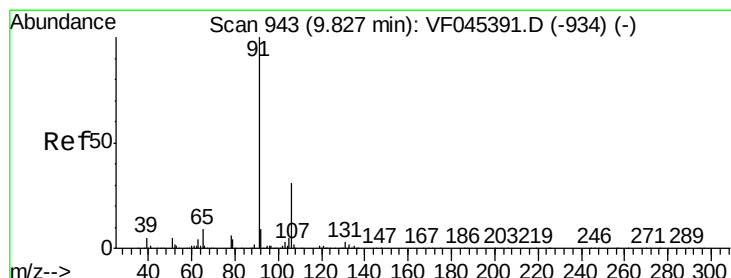
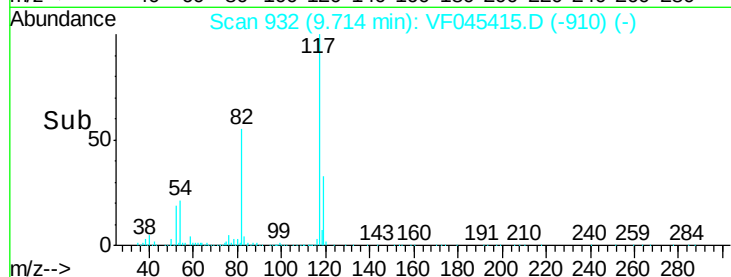
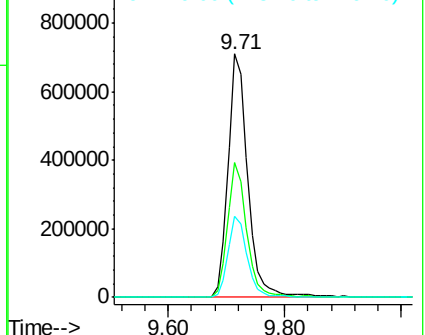
119 33.4 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 1.16 ug/l

RT: 9.85 min Scan# 946

Delta R.T. 0.02 min

Lab File: VF045415.D

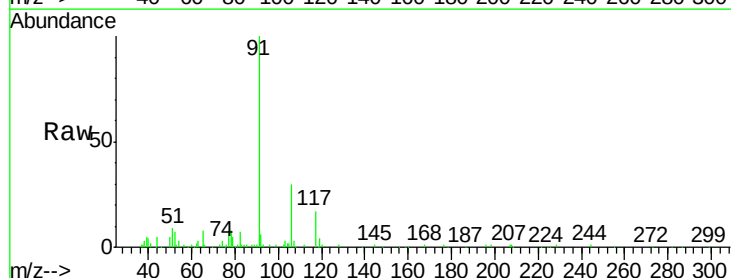
Acq: 17 Sep 2015 19:20

Tgt Ion: 91 Resp: 70150

Ion Ratio Lower Upper

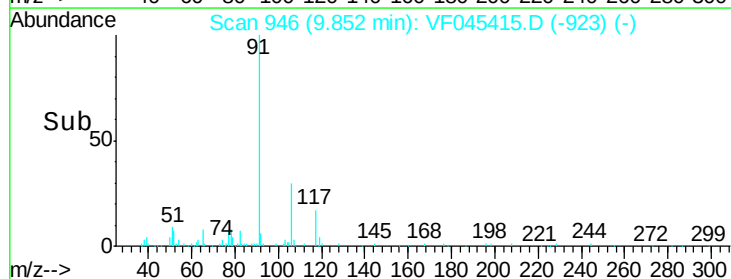
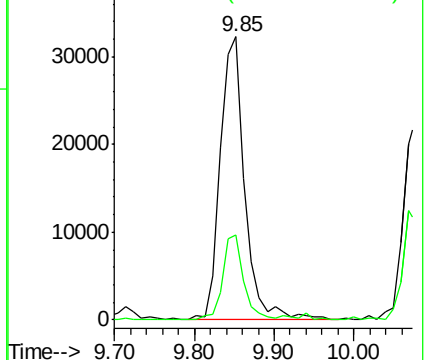
91 100

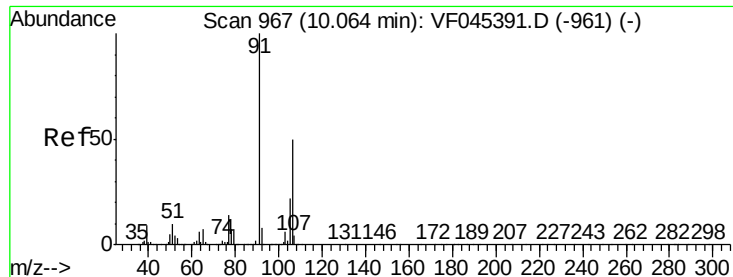
106 30.0 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 1.23 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF045415.D

Acq: 17 Sep 2015 19:20

Instrument :

MSVOA_F

ClientSampleId :

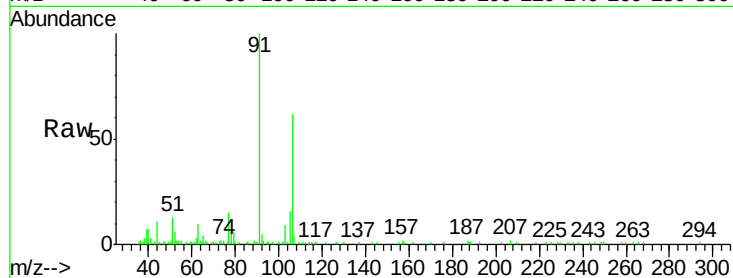
MGP201-40-41

Tot Ion:106 Resp: 26600

Ion Ratio Lower Upper

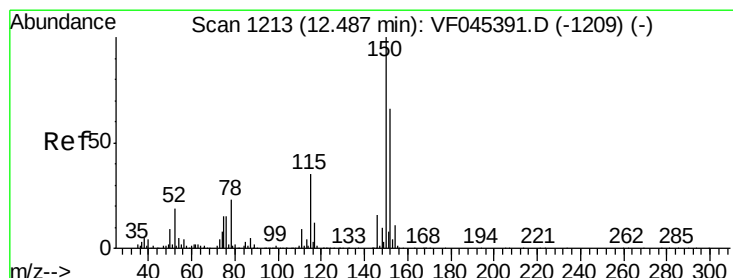
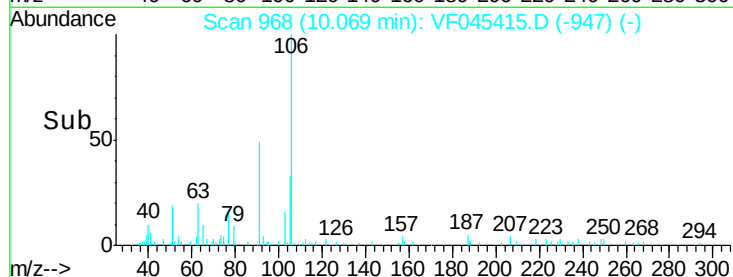
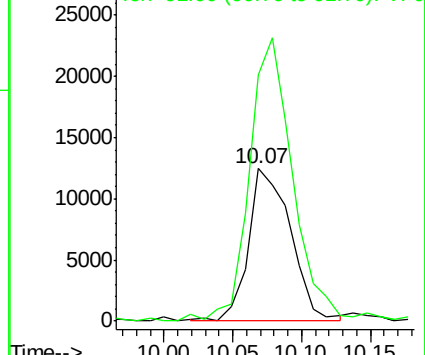
106 100

91 161.5 166.1 249.1#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. 0.01 min

Lab File: VF045415.D

Acq: 17 Sep 2015 19:20

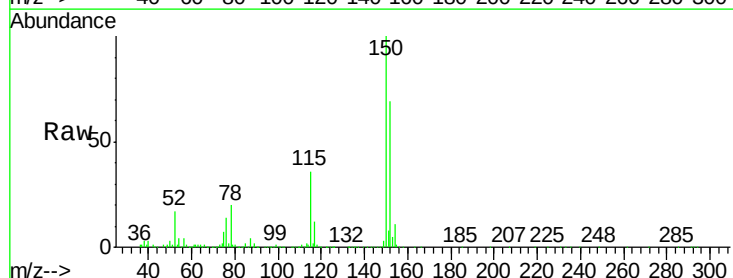
Tgt Ion:152 Resp: 946526

Ion Ratio Lower Upper

152 100

115 52.2 28.3 85.0

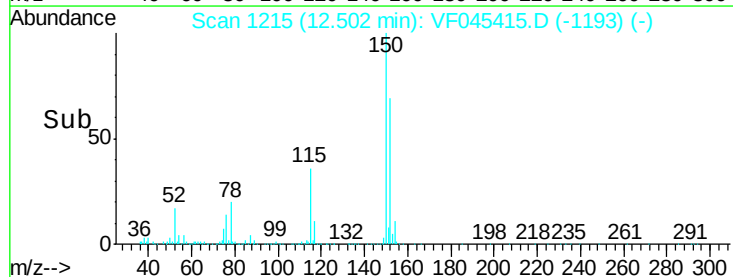
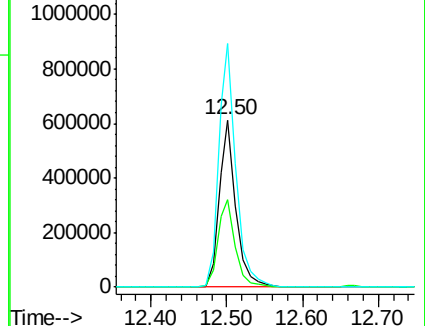
150 145.6 0.0 324.2

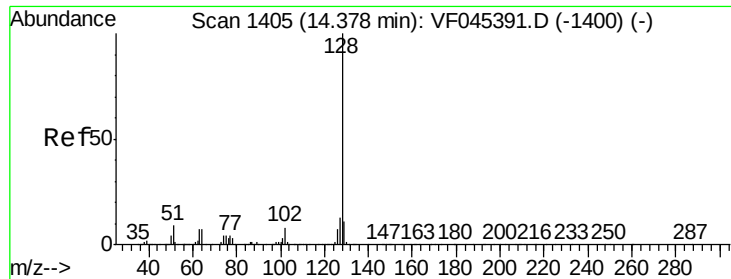


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

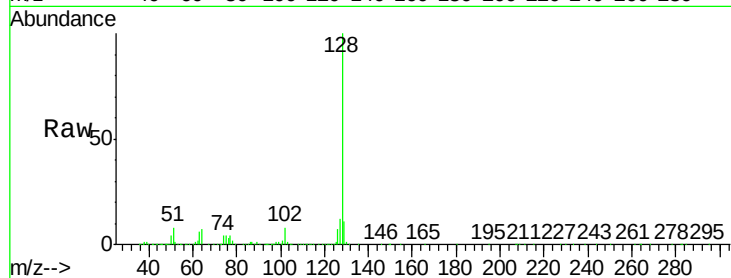




#94
Naphthalene
Concen: 42.59 ug/l
RT: 14.39 min Scan# 1407
Delta R.T. 0.02 min
Lab File: VF045415.D
Acq: 17 Sep 2015 19:20

Instrument :
MSVOA_F
ClientSampleId :
MGP201-40-41

Tot Ion:128 Resp: 1300951
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

