

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF091615\
 Data File : VF045395.D
 Acq On : 16 Sep 2015 17:44
 Operator : FY/SY
 Sample : VF0916SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBL01

Quant Time: Sep 17 07:11:40 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	1071440	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.54	114	1639219	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1532834	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	841741	50.00	ug/l	0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.78	65	610185	53.03	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.06%	
34) Dibromofluoromethane	4.05	113	660910	52.05	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.10%	
49) Toluene-d8	7.50	98	1888283	50.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.96%	
61) 4-Bromofluorobenzene	11.35	95	885924	49.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.54%	

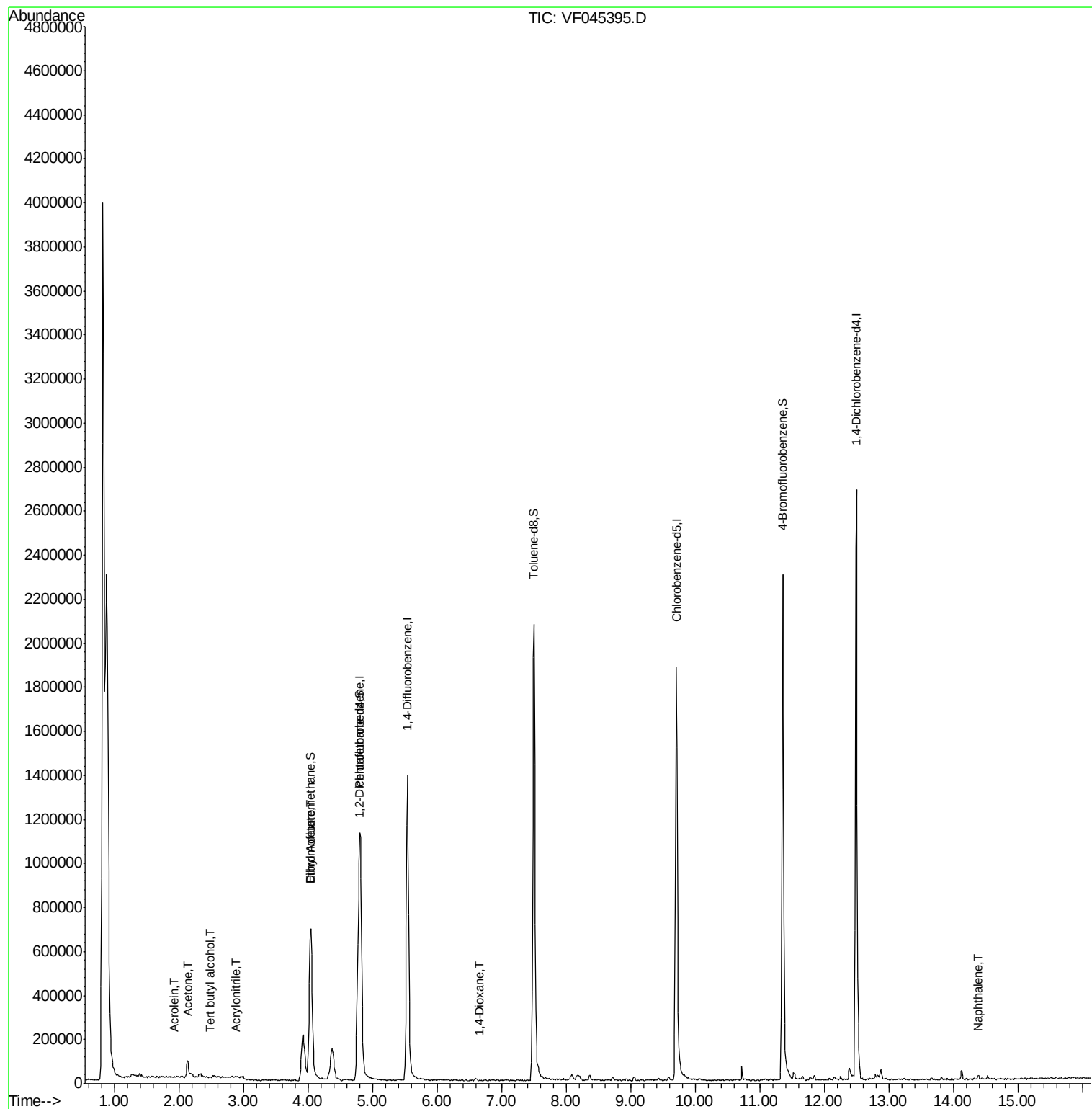
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.48	59	167	1.29	ug/l #	71
13) Acrolein	1.92	56	859	1.60	ug/l	85
15) Acrylonitrile	2.89	53	2071	1.68	ug/l #	47
16) Acetone	2.13	43	2816	1.08	ug/l	100
36) Ethyl Acetate	4.06	43	9832	1.25	ug/l #	46
48) 1,4-Dioxane	6.66	88	756	10.03	ug/l #	45
94) Naphthalene	14.39	128	12532	2.12	ug/l #	91

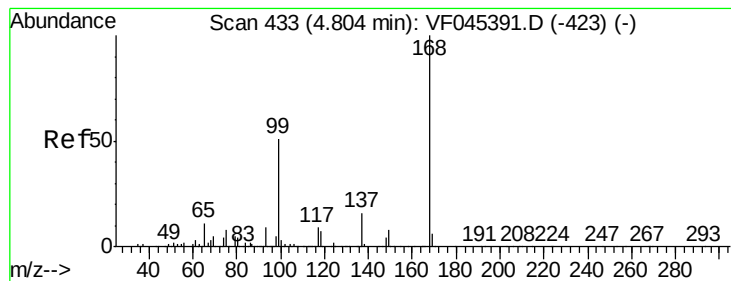
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

Instrument :

MSVOA_F

ClientSampleId :

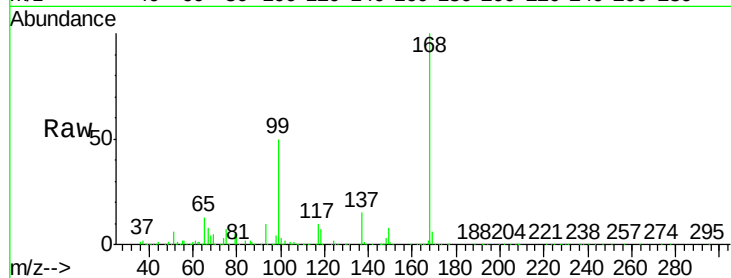
VF0916SBL01

Tgt Ion:168 Resp: 1071440

Ion Ratio Lower Upper

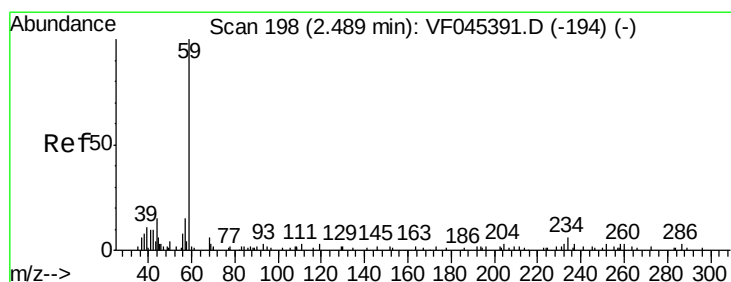
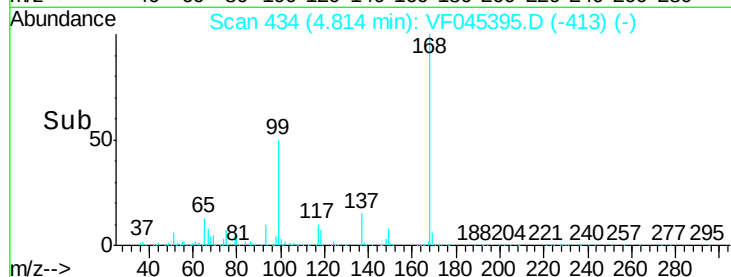
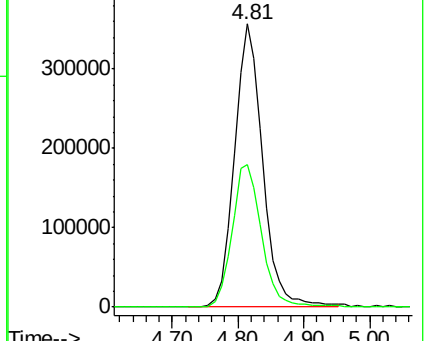
168 100

99 50.4 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.29 ug/l

RT: 2.48 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF045395.D

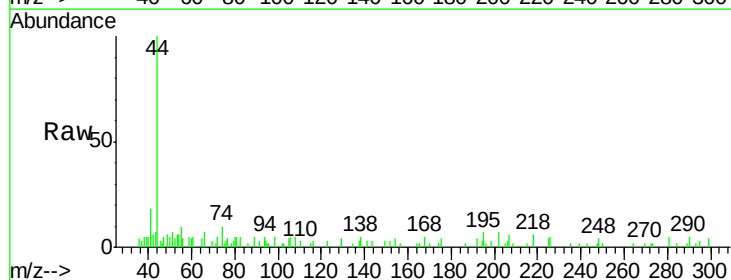
Acq: 16 Sep 2015 17:44

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

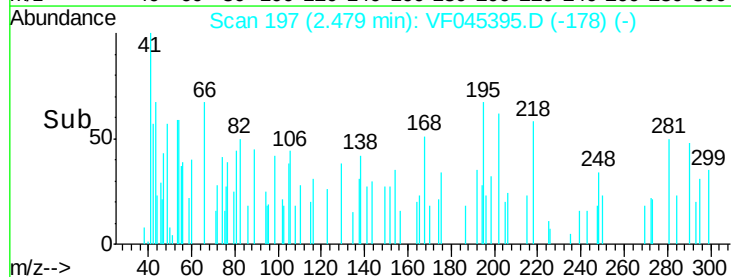
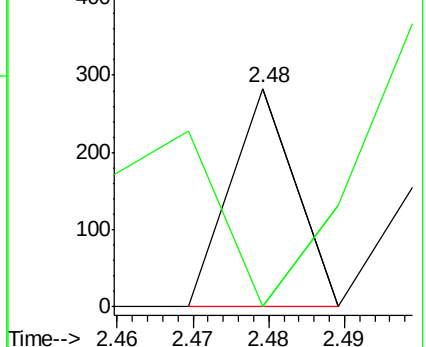
59 100

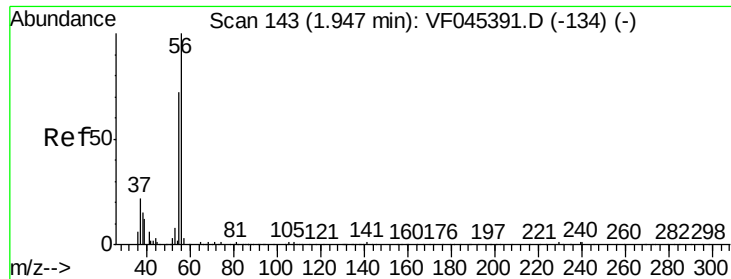
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

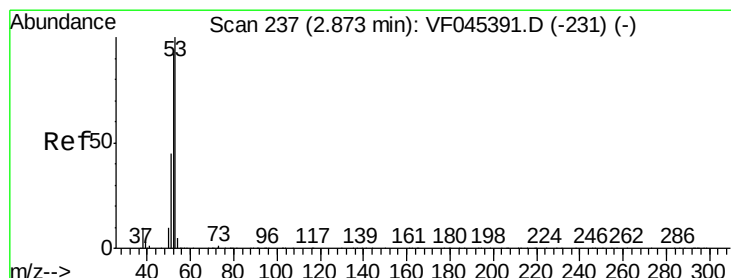
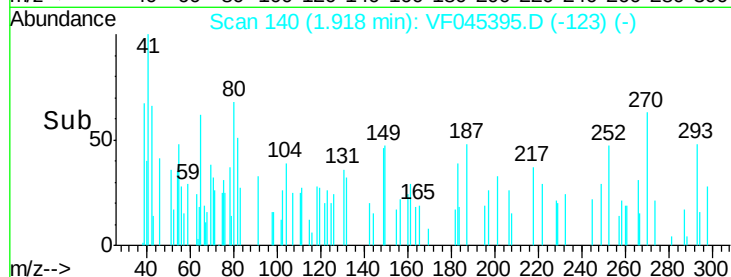
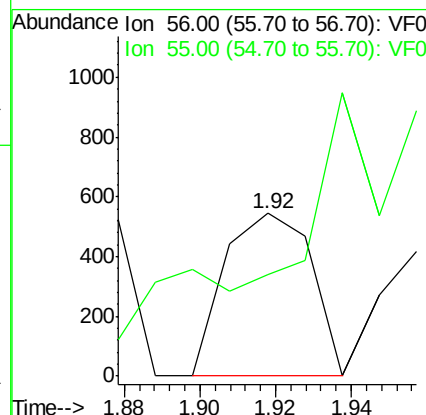
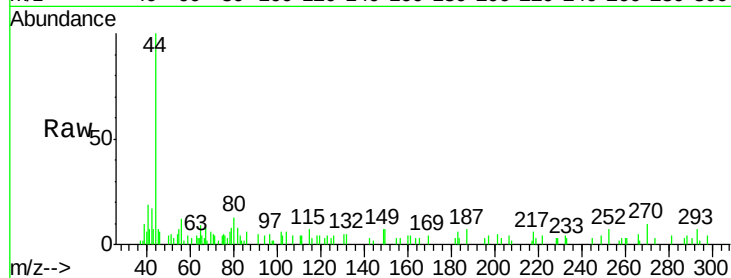




#13
Acrolein
Concen: 1.60 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.03 min
Lab File: VF045395.D
Acq: 16 Sep 2015 17:44

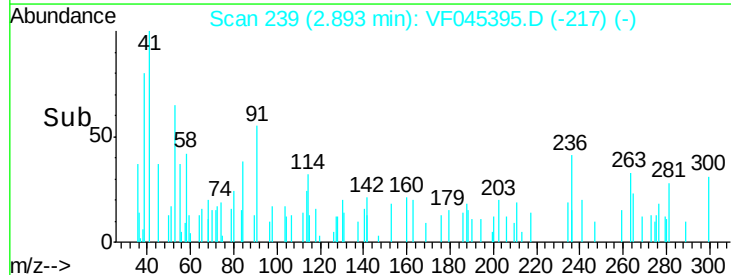
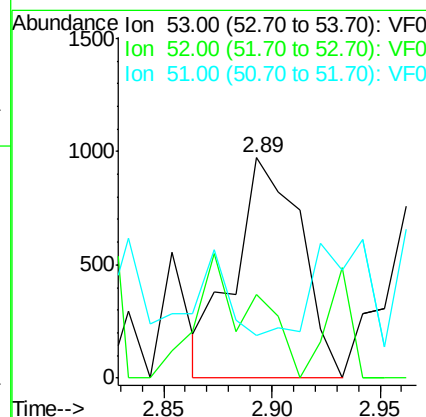
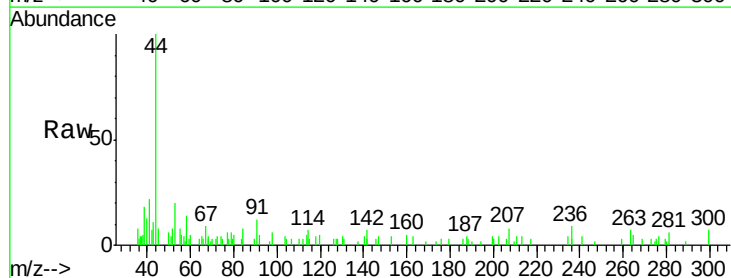
Instrument :
MSVOA_F
ClientSampled :
VF0916SBL01

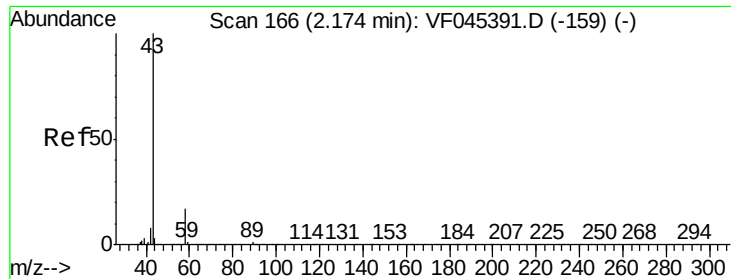
Tgt Ion: 56 Resp: 859
Ion Ratio Lower Upper
56 100
55 62.7 60.5 90.7



#15
Acrylonitrile
Concen: 1.68 ug/l
RT: 2.89 min Scan# 239
Delta R.T. 0.02 min
Lab File: VF045395.D
Acq: 16 Sep 2015 17:44

Tgt Ion: 53 Resp: 2071
Ion Ratio Lower Upper
53 100
52 38.2 72.7 109.1#
51 19.2 42.2 63.2#

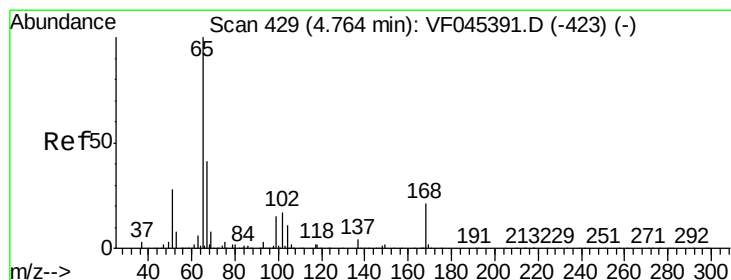
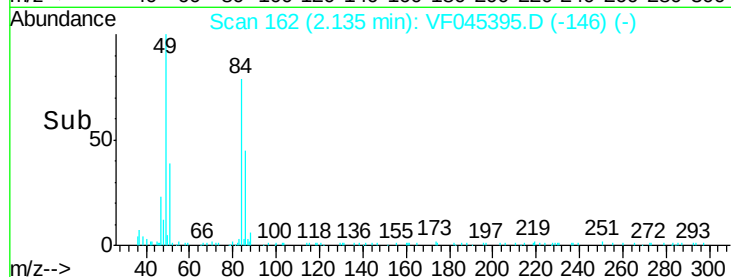
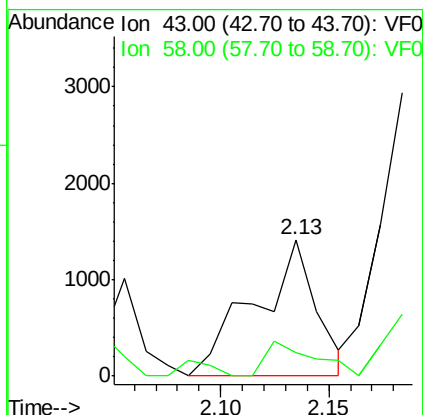
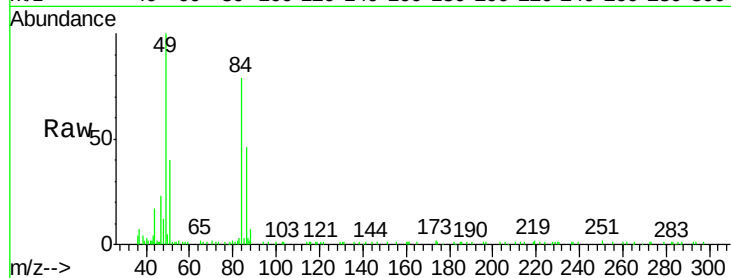




#16
Acetone
Concen: 1.08 ug/l
RT: 2.13 min Scan# 162
Delta R.T. -0.04 min
Lab File: VF045395.D
Acq: 16 Sep 2015 17:44

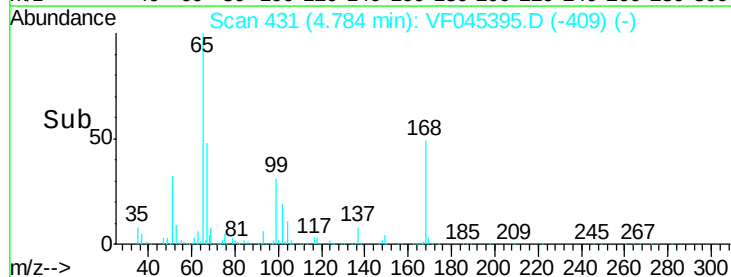
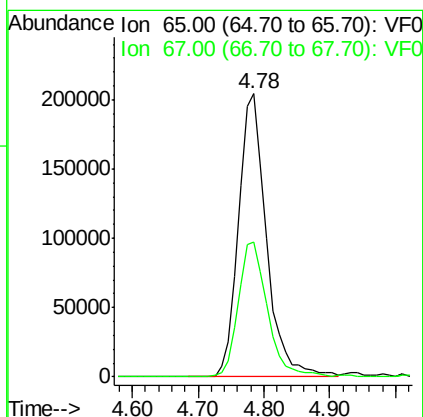
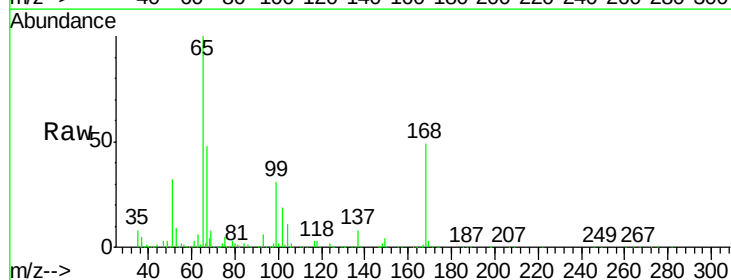
Instrument :
MSVOA_F
ClientSampleId :
VF0916SBL01

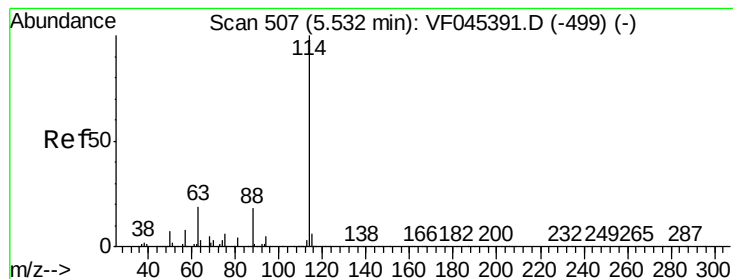
Tgt Ion: 43 Resp: 2816
Ion Ratio Lower Upper
43 100
58 17.4 13.9 20.9



#32
1,2-Dichloroethane-d4
Concen: 53.03 ug/l
RT: 4.78 min Scan# 431
Delta R.T. 0.02 min
Lab File: VF045395.D
Acq: 16 Sep 2015 17:44

Tgt Ion: 65 Resp: 610185
Ion Ratio Lower Upper
65 100
67 47.7 0.0 102.2





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.54 min Scan# 508

Delta R.T. 0.01 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBL01

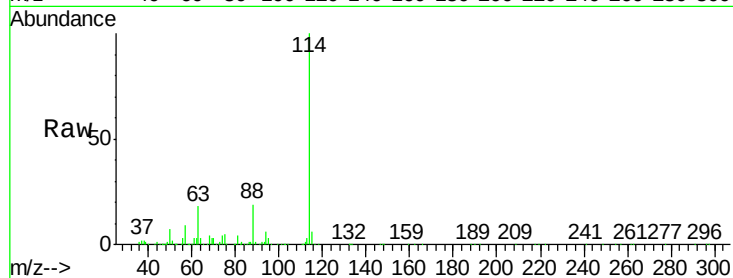
Tgt Ion:114 Resp: 1639219

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.2

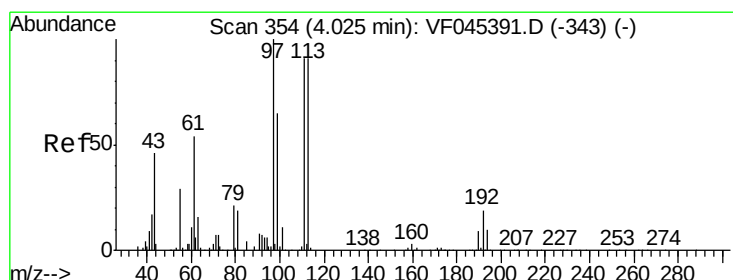
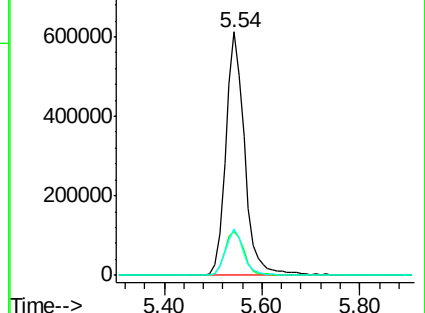
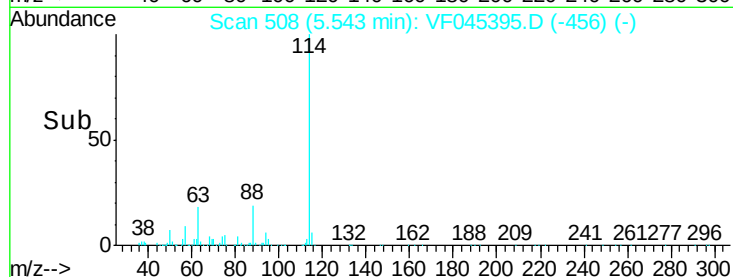
88 19.0 0.0 37.0



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: 52.05 ug/l

RT: 4.05 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

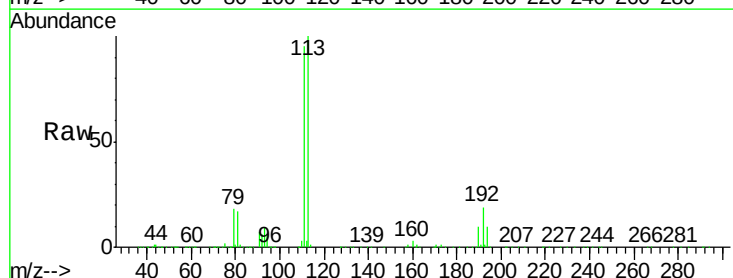
Tgt Ion:113 Resp: 660910

Ion Ratio Lower Upper

113 100

111 95.4 75.5 113.3

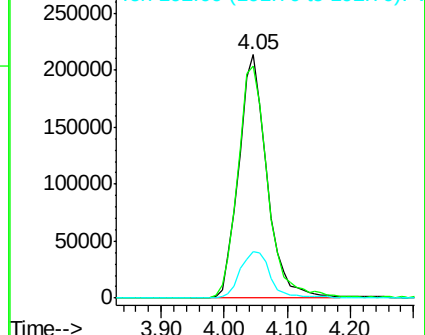
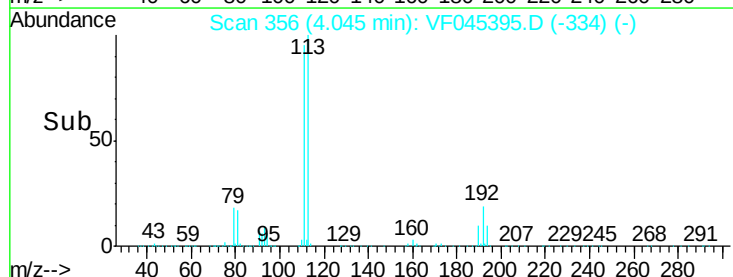
192 19.9 15.6 23.4

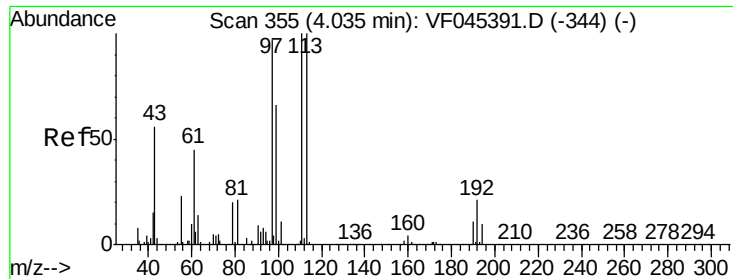


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

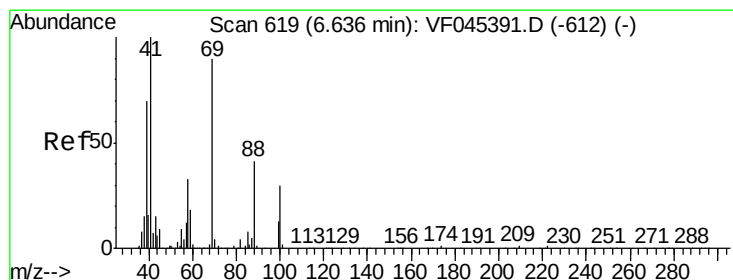
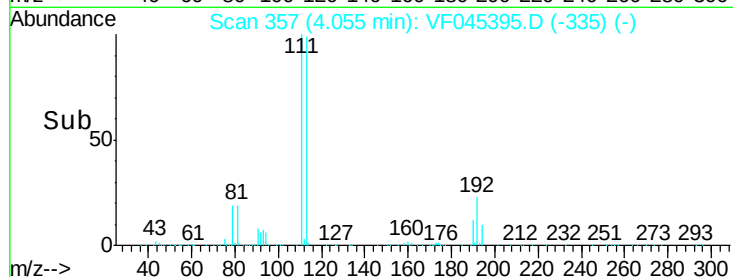
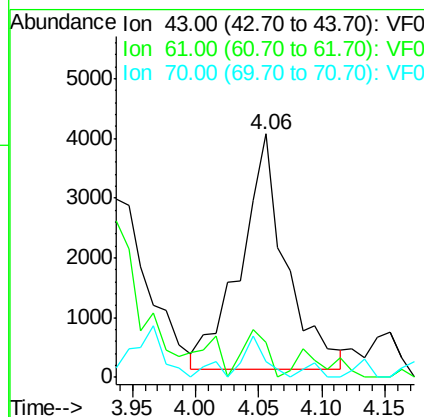
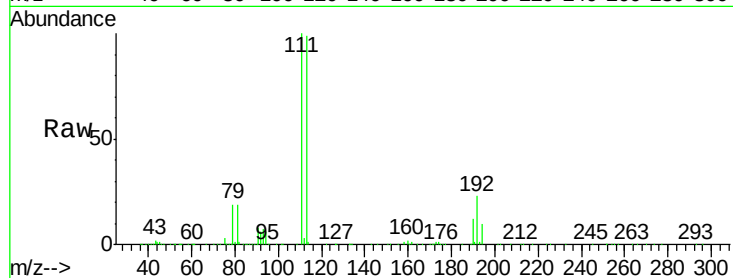




#36
 Ethyl Acetate
 Concen: 1.25 ug/l
 RT: 4.06 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045395.D
 Acq: 16 Sep 2015 17:44

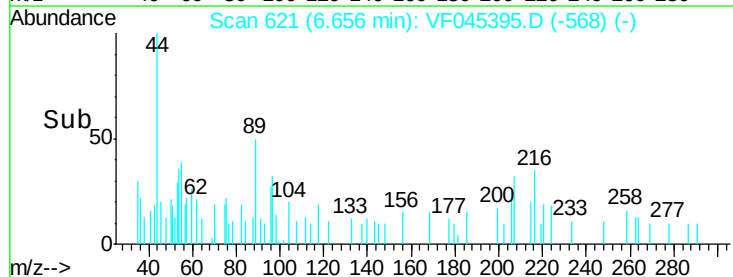
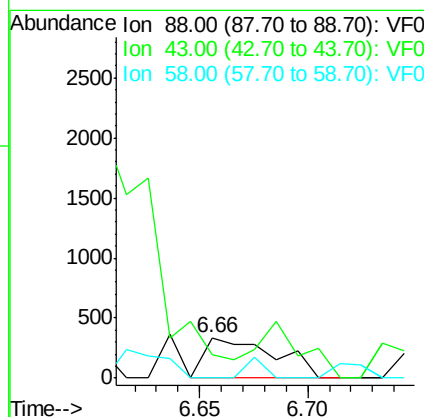
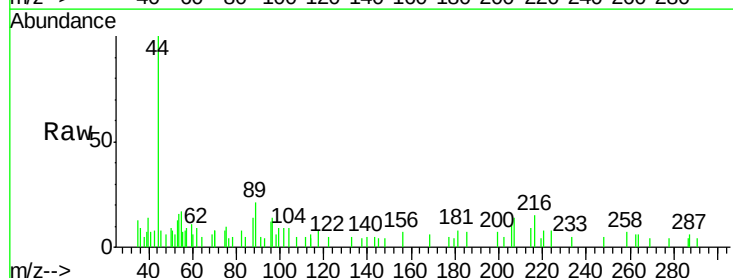
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBL01

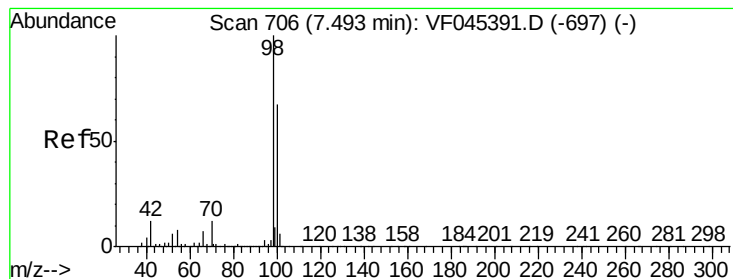
Tgt Ion: 43 Resp: 9832
 Ion Ratio Lower Upper
 43 100
 61 14.2 49.4 74.0#
 70 6.4 10.8 16.2#



#48
 1,4-Dioxane
 Concen: 10.03 ug/l
 RT: 6.66 min Scan# 621
 Delta R.T. 0.02 min
 Lab File: VF045395.D
 Acq: 16 Sep 2015 17:44

Tgt Ion: 88 Resp: 756
 Ion Ratio Lower Upper
 88 100
 43 58.0 34.5 51.7#
 58 0.0 46.5 69.7#





#49

Toluene-d8

Concen: 50.48 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.01 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

Instrument :

MSVOA_F

ClientSampleId :

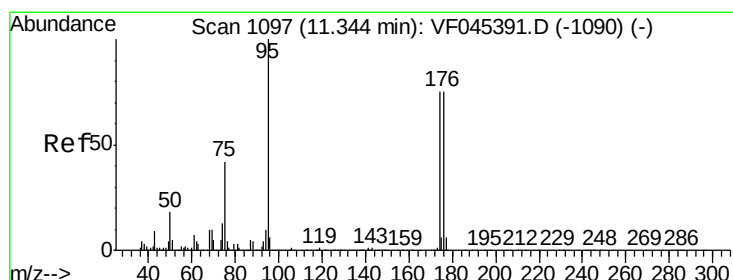
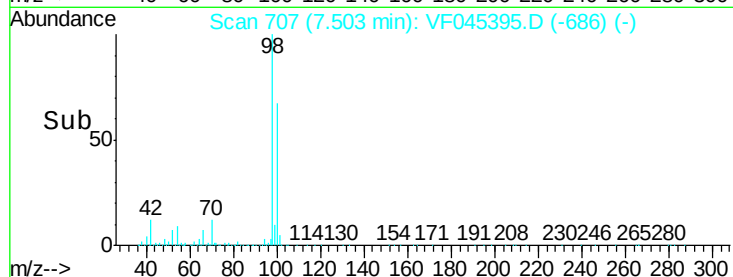
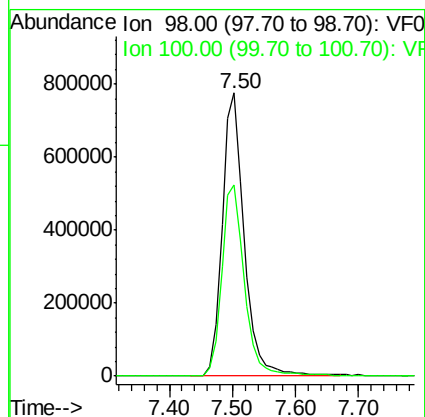
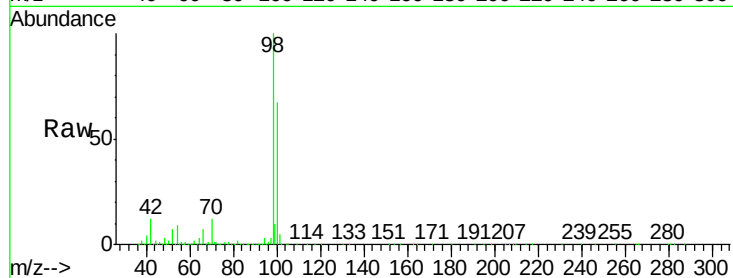
VF0916SBL01

Tgt Ion: 98 Resp: 1888283

Ion Ratio Lower Upper

98 100

100 67.4 54.4 81.6



#61

4-Bromofluorobenzene

Concen: 49.27 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

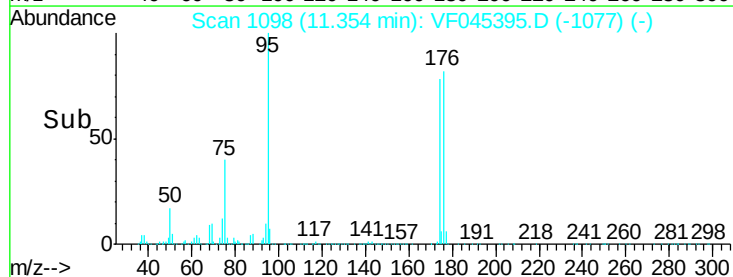
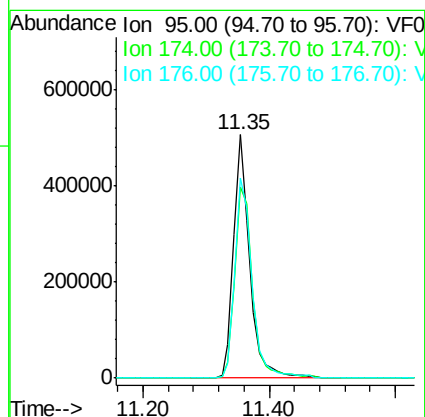
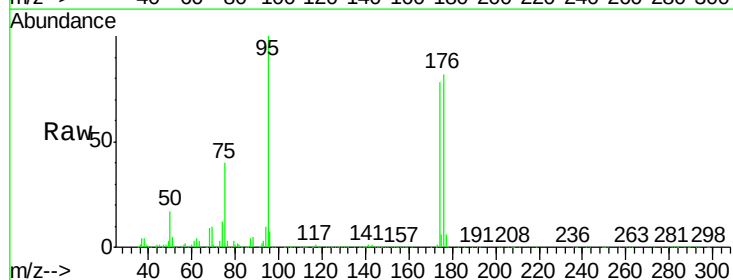
Tgt Ion: 95 Resp: 885924

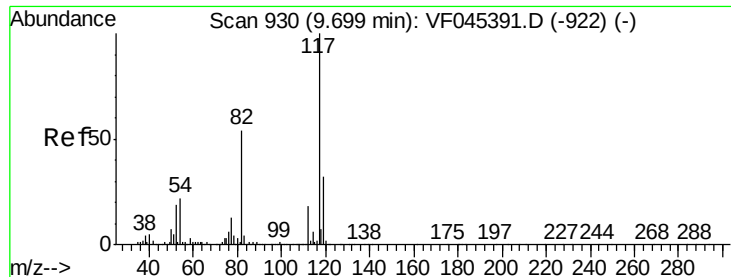
Ion Ratio Lower Upper

95 100

174 78.4 0.0 177.8

176 82.3 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBL01

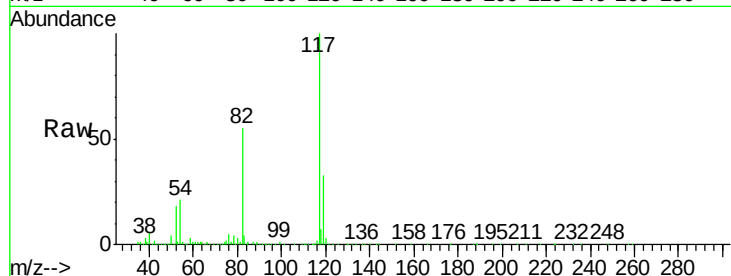
Tgt Ion:117 Resp: 1532834

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.6

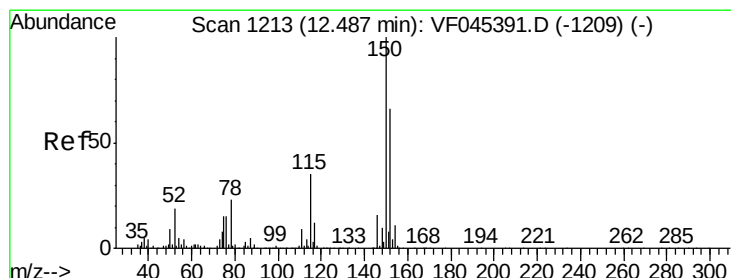
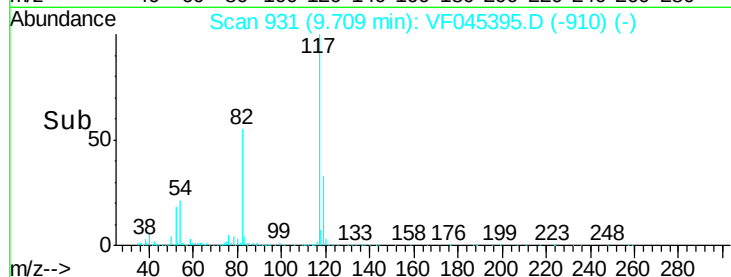
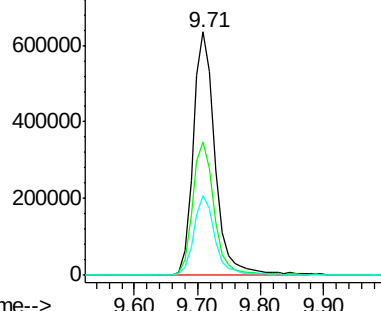
119 32.5 26.2 39.4



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# 1214

Delta R.T. 0.01 min

Lab File: VF045395.D

Acq: 16 Sep 2015 17:44

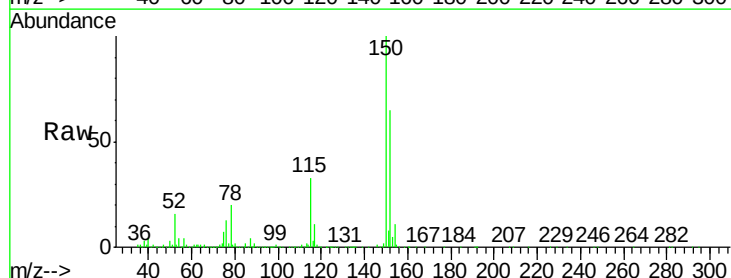
Tgt Ion:152 Resp: 841741

Ion Ratio Lower Upper

152 100

115 51.5 28.3 85.0

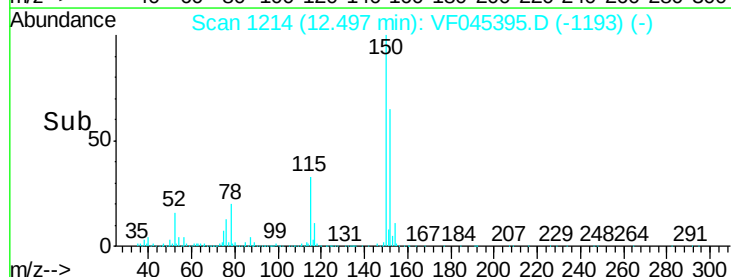
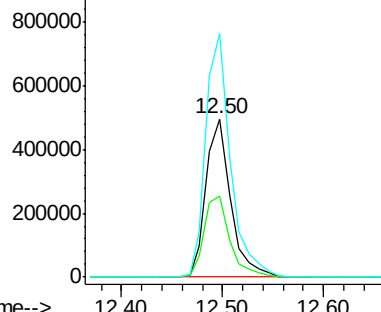
150 154.0 0.0 324.2

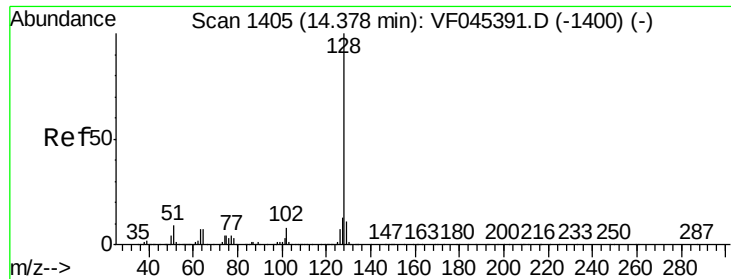


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#94

Naphthalene

Concen: 2.12 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045395.D

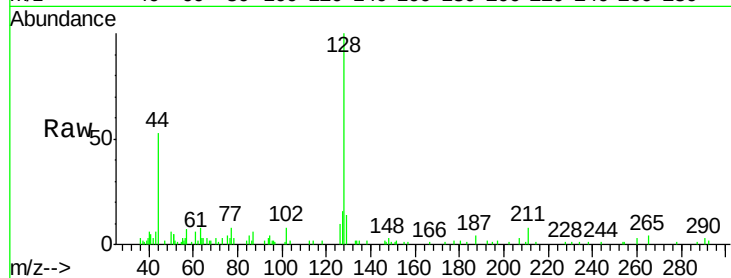
Acq: 16 Sep 2015 17:44

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBL01



Tgt Ion:	128	Resp:	12532
Ion	Ratio	Lower	Upper
128	100		
127	16.4	9.8	14.8#
129	13.8	8.8	13.2#

