

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 01:17:54 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.78	65	581029	48.72	ug/l	0.01
Spiked Amount			Recovery	=	97.44%	
34) Dibromofluoromethane	4.04	113	660344	48.82	ug/l	0.01
Spiked Amount			Recovery	=	97.64%	
49) Toluene-d8	7.51	98	2004223	50.30	ug/l	0.01
Spiked Amount			Recovery	=	100.60%	
61) 4-Bromofluorobenzene	11.36	95	839165	43.81	ug/l	0.01
Spiked Amount			Recovery	=	87.62%	

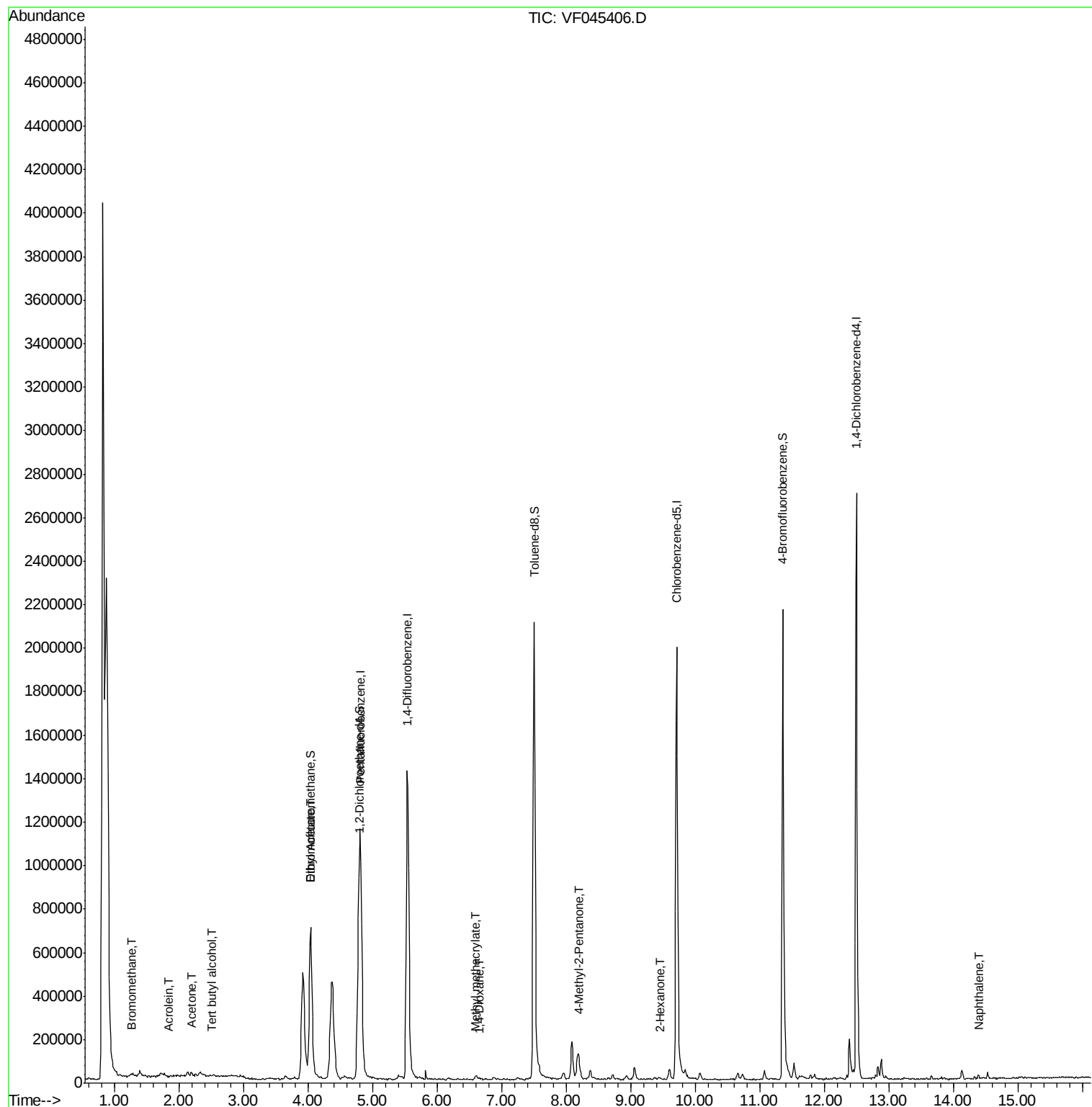
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.25	94	4862	1.13	ug/l #	76
11) Tert butyl alcohol	2.50	59	928	6.93	ug/l #	71
13) Acrolein	1.83	56	1200	2.16	ug/l	98
16) Acetone	2.19	43	12383	4.57	ug/l #	82
20) Methylene Chloride	2.14	84	10195	Below Cal	#	45
36) Ethyl Acetate	4.05	43	10247	1.22	ug/l #	61
47) Methyl methacrylate	6.59	41	6916	1.03	ug/l #	30
48) 1,4-Dioxane	6.65	88	701	8.73	ug/l #	26
50) 4-Methyl-2-Pentanone	8.21	43	20263	2.58	ug/l	88
58) 2-Hexanone	9.45	43	9625	1.54	ug/l	91
94) Naphthalene	14.39	128	9863	2.04	ug/l #	75

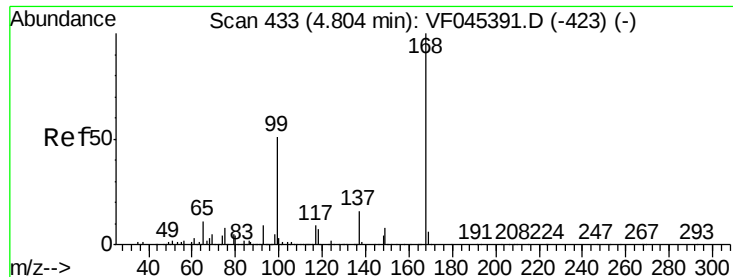
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBL01

Quant Time: Sep 18 01:17:54 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





#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 :

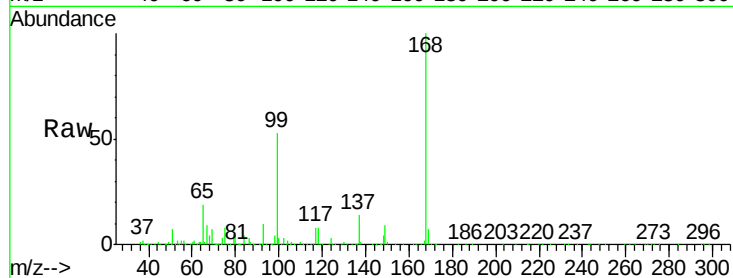
VF0917SBL01

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): V

Ion 99.00 (98.70 to 99.70): VF0

4.81

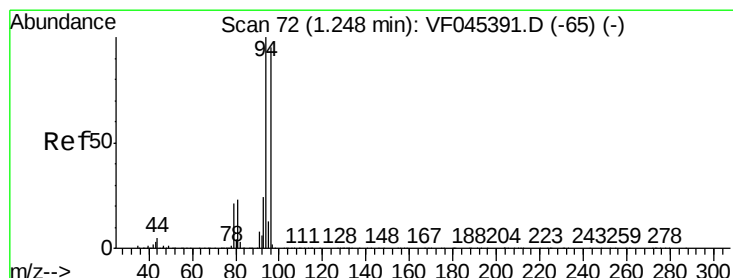
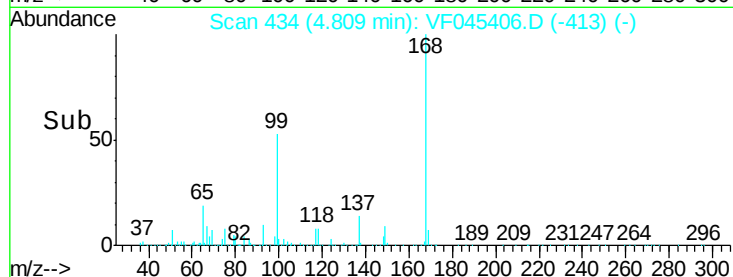
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.13 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045406.D

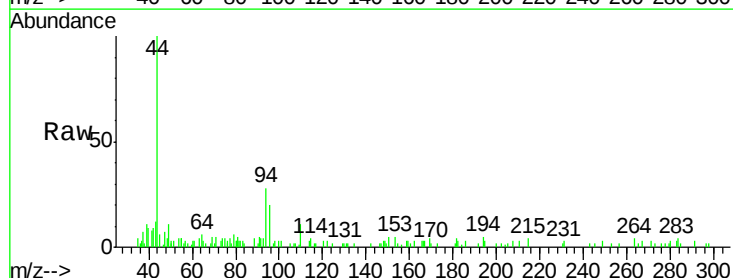
Acq: 17 Sep 2015 15:04

Tgt Ion: 94 Resp: 4862

Ion Ratio Lower Upper

94 100

96 70.5 75.0 112.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.25

2000

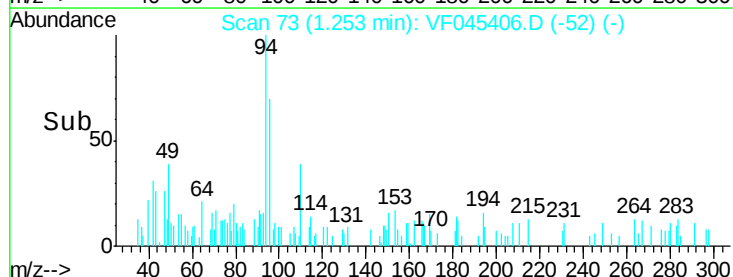
1500

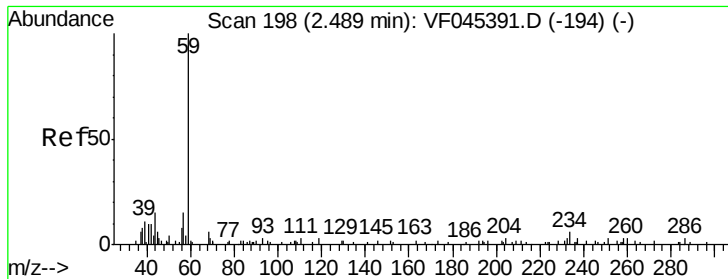
1000

500

0

Time-->



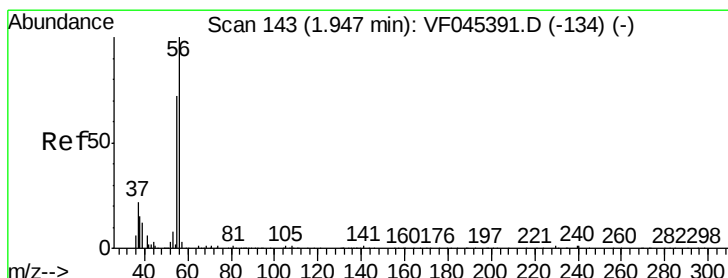
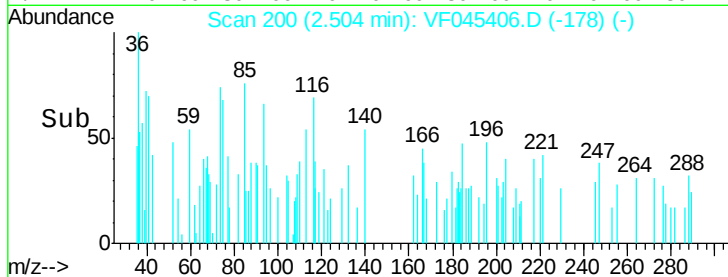
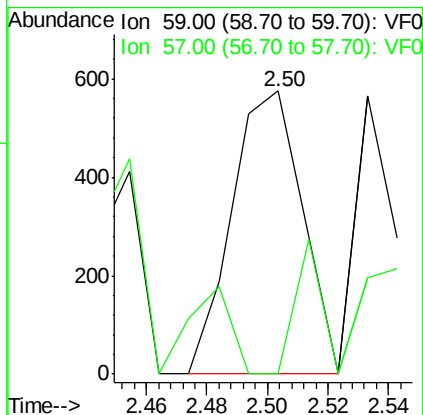
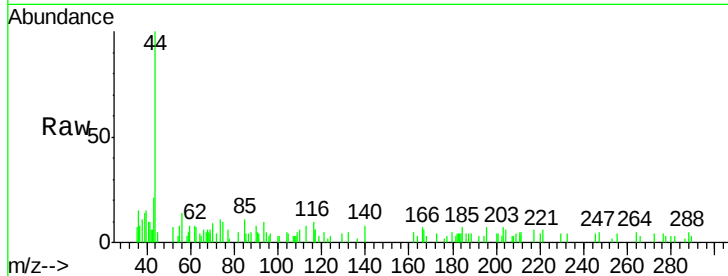


#11

Tert butyl alcohol
Concen: 6.93 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBL01

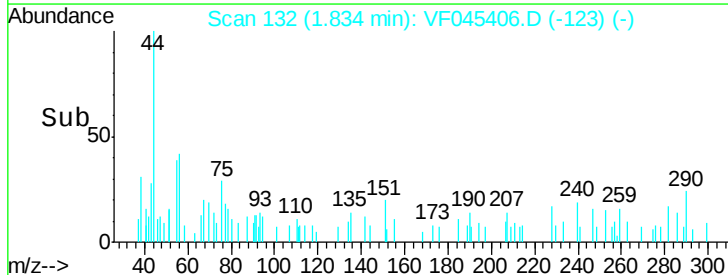
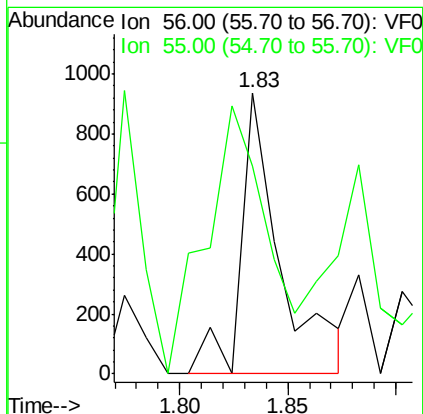
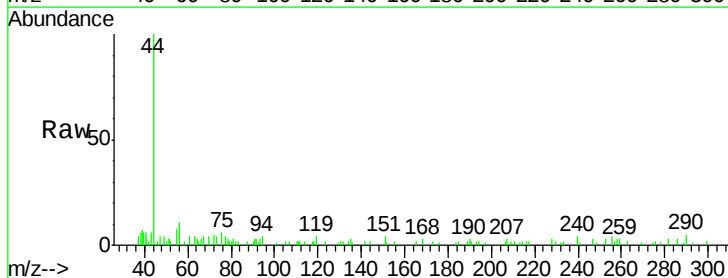
Tot Ion: 59 Resp: 928
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

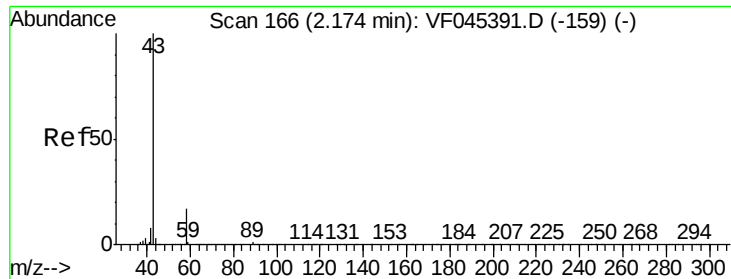


#13

Acrolein
Concen: 2.16 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.11 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

Tgt Ion: 56 Resp: 1200
Ion Ratio Lower Upper
56 100
55 73.7 60.5 90.7

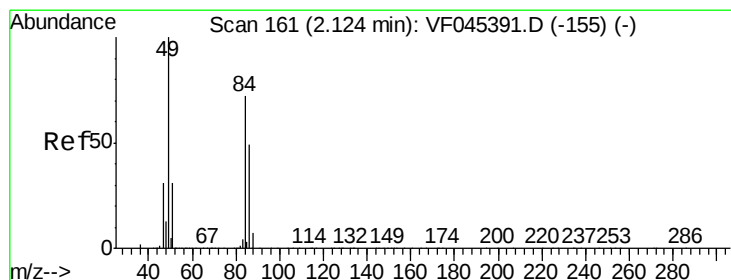
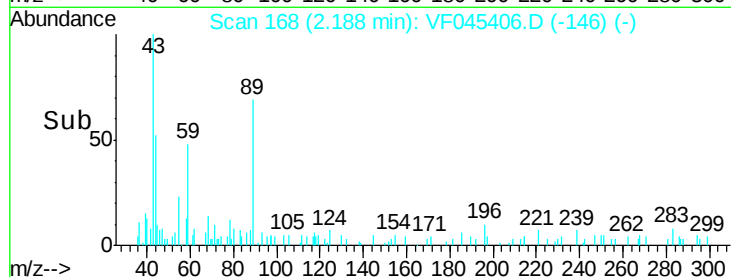
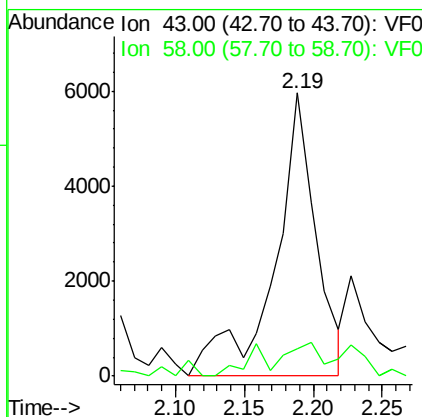
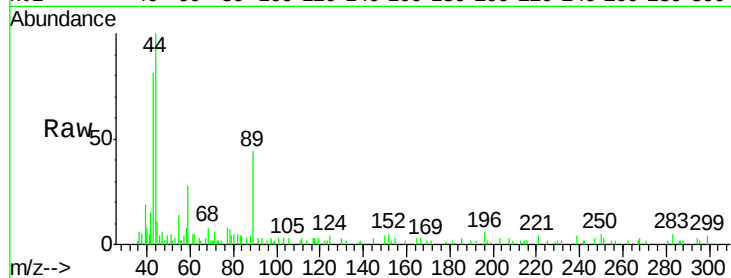




#16
Acetone
Concen: 4.57 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

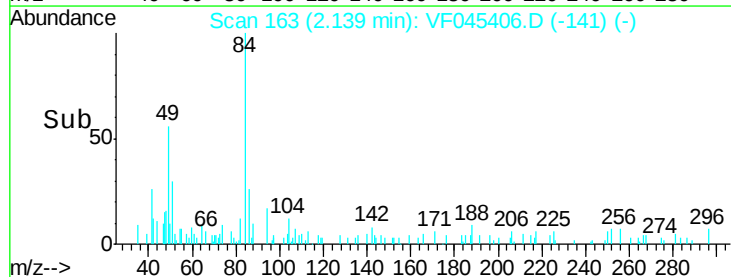
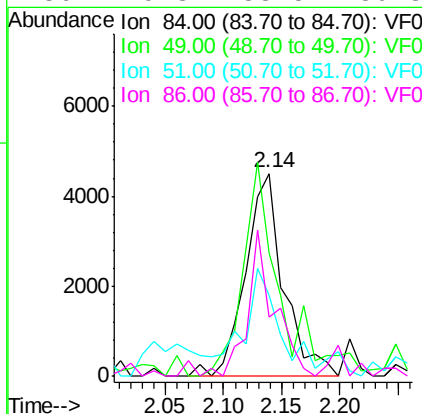
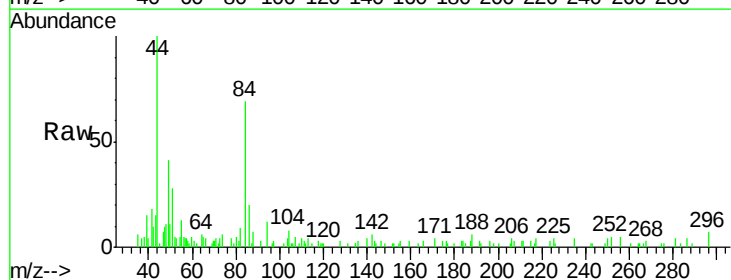
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBL01

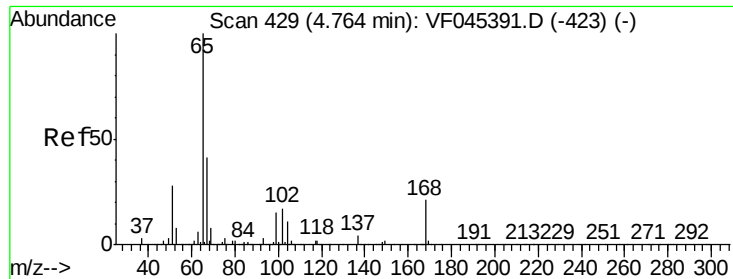
Tot Ion: 43 Resp: 12383
Ion Ratio Lower Upper
43 100
58 9.6 13.9 20.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.02 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

Tgt Ion: 84 Resp: 10195
Ion Ratio Lower Upper
84 100
49 60.4 122.8 184.2#
51 40.1 35.4 53.2
86 29.3 53.5 80.3#





#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

Instrument :

MSVOA_F

ClientSampleId :

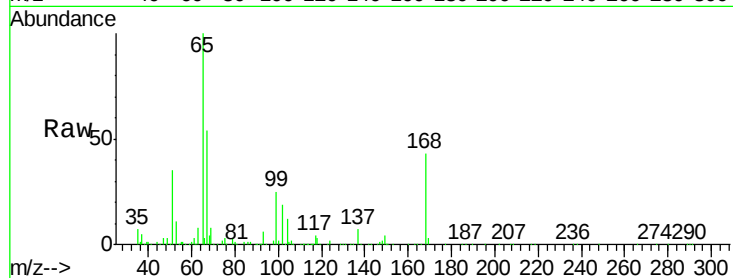
VF0917SBL01

Tot 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

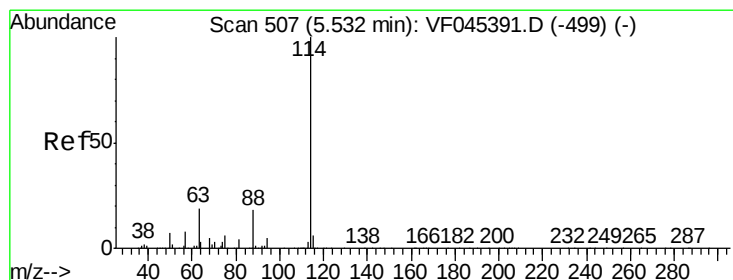
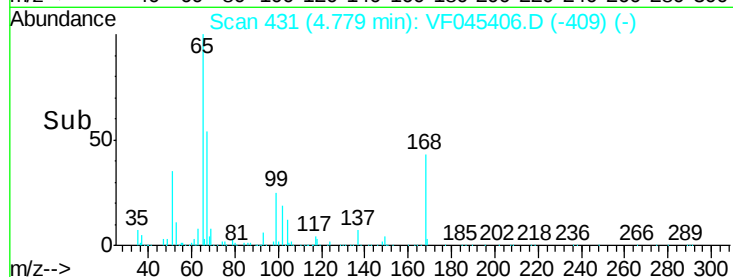
150000

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

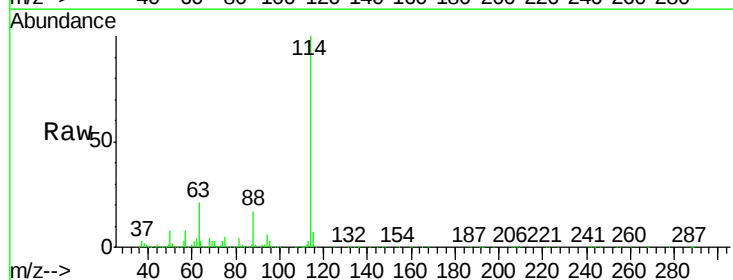
Tgt Ion: 114 Resp: 1746004

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

800000

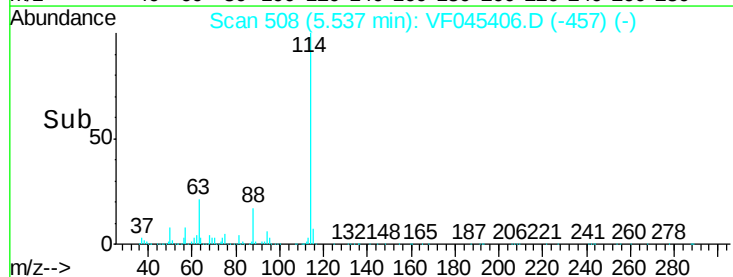
600000

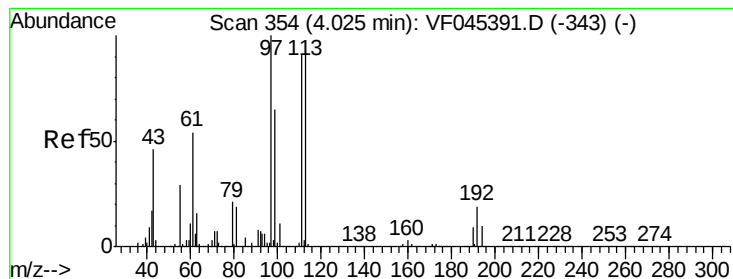
400000

200000

0

Time-->





#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

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBL01

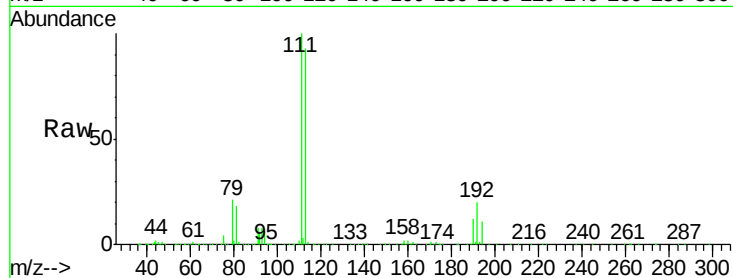
Tot Ion:113 Resp: 660344

Ion Ratio Lower Upper

113 100

111 107.4 75.5 113.3

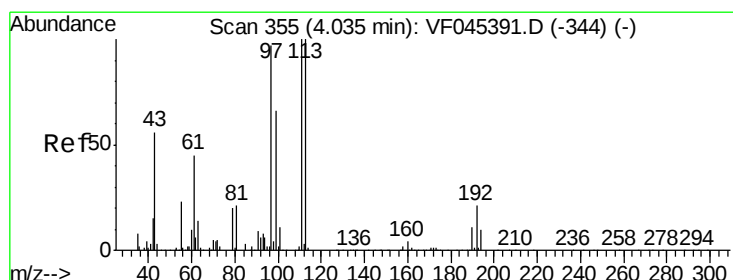
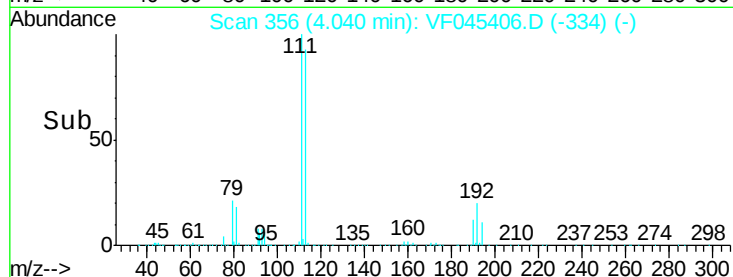
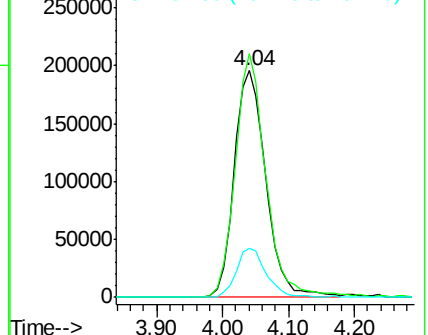
192 21.6 15.6 23.4



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



#36

Ethyl Acetate

Concen: 1.22 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

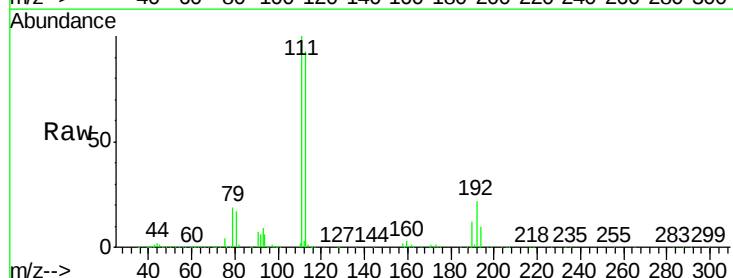
Tgt Ion: 43 Resp: 10247

Ion Ratio Lower Upper

43 100

61 30.3 49.4 74.0#

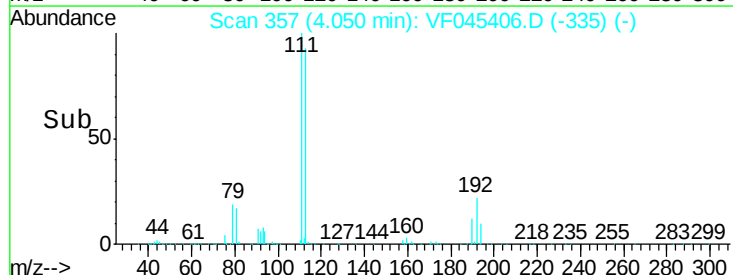
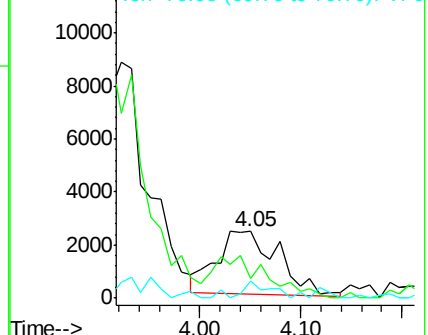
70 26.4 10.8 16.2#

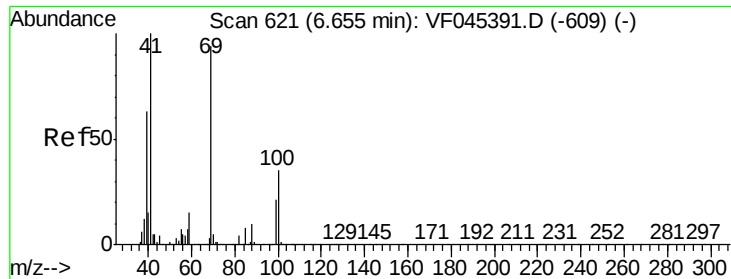


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

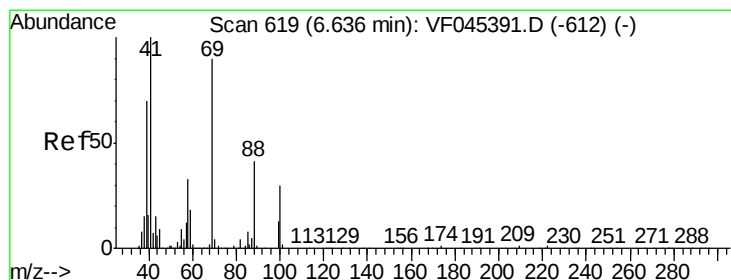
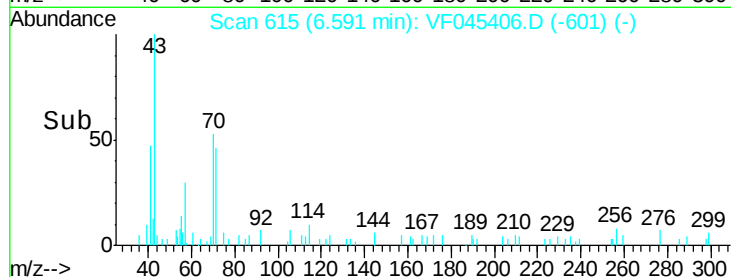
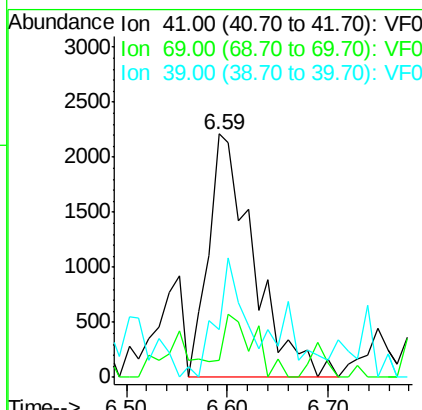
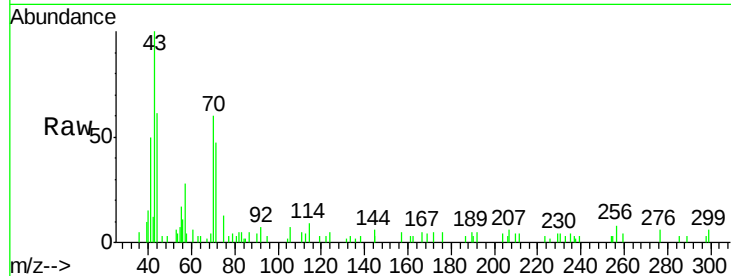




#47
Methvl methacrvlate
Concen: 1.03 ug/l
RT: 6.59 min Scan# 615
Delta R.T. -0.06 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

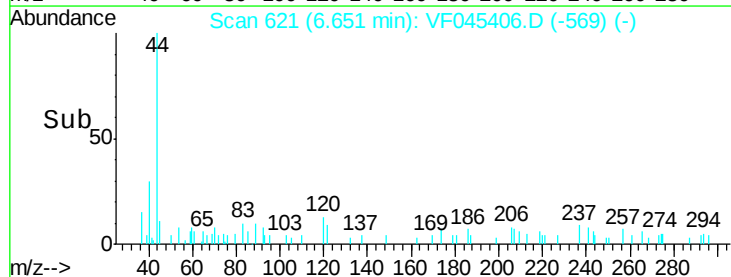
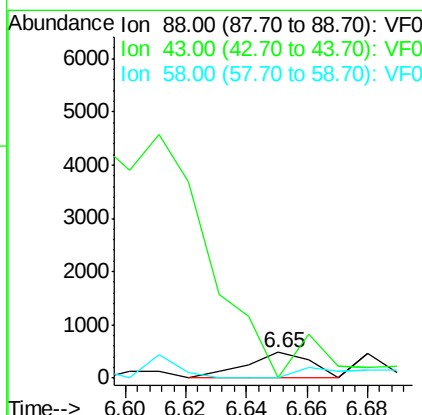
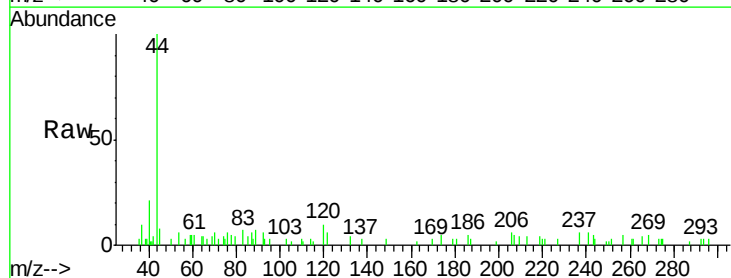
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBL01

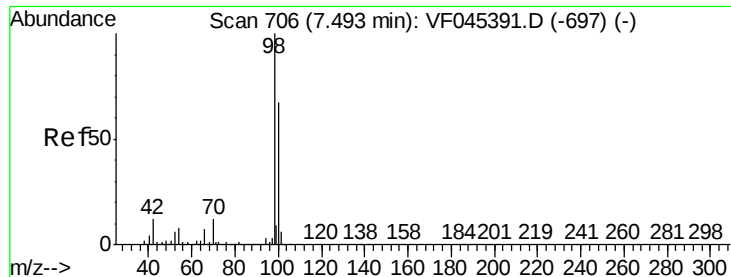
Tot Ion: 41 Resp: 6916
Ion Ratio Lower Upper
41 100
69 7.1 63.3 94.9#
39 19.7 48.9 73.3#



#48
1,4-Dioxane
Concen: 8.73 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.01 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

Tgt Ion: 88 Resp: 701
Ion Ratio Lower Upper
88 100
43 0.0 34.5 51.7#
58 0.0 46.5 69.7#





#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 :

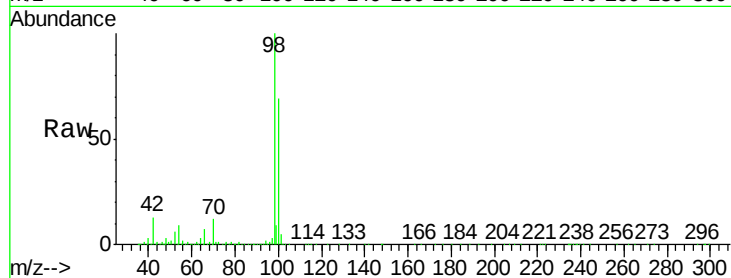
VF0917SBL01

Tot Ion: 98 Resp: 2004223

Ion Ratio Lower Upper

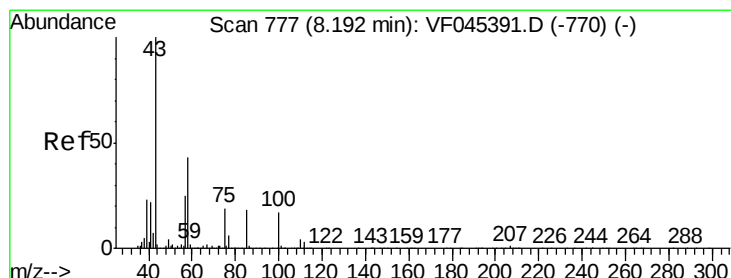
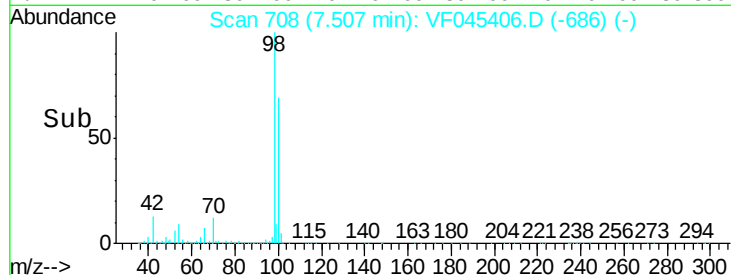
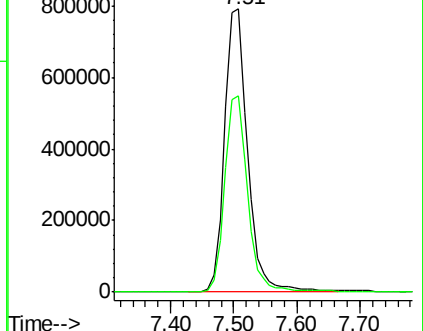
98 100

100 69.4 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#50

4-Methyl-2-Pentanone

Concen: 2.58 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045406.D

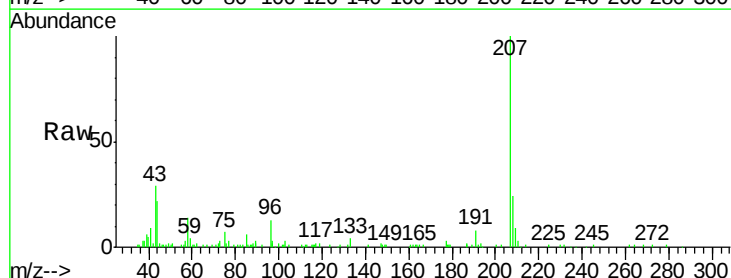
Acq: 17 Sep 2015 15:04

Tgt Ion: 43 Resp: 20263

Ion Ratio Lower Upper

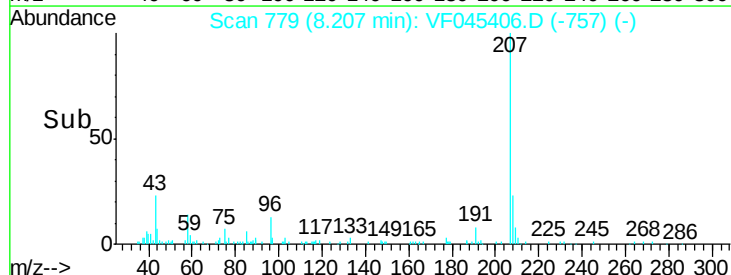
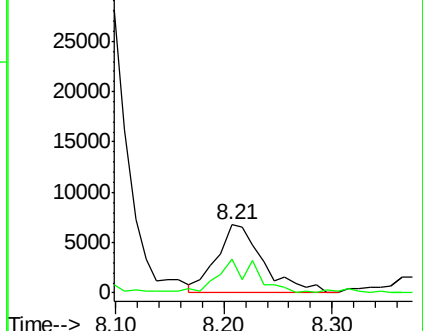
43 100

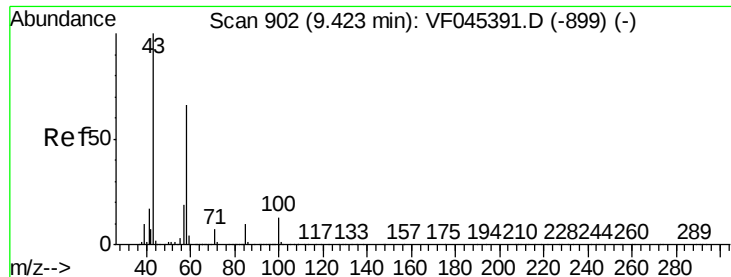
58 49.3 33.6 50.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

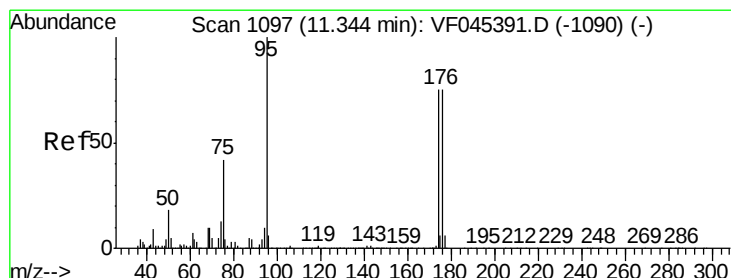
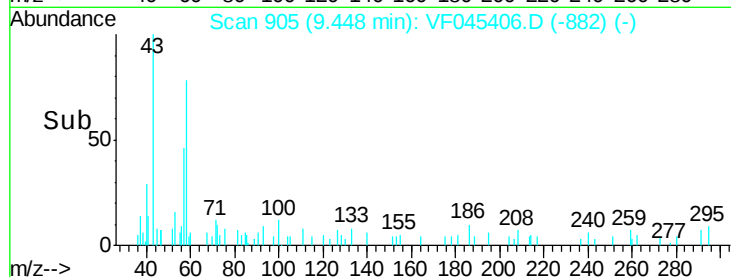
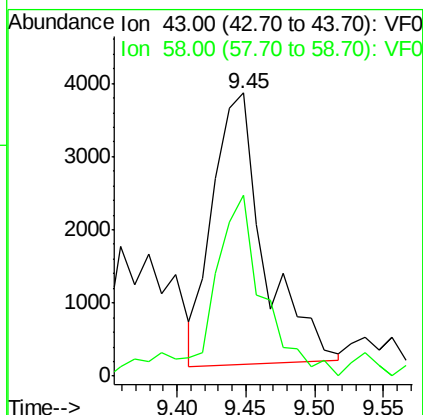
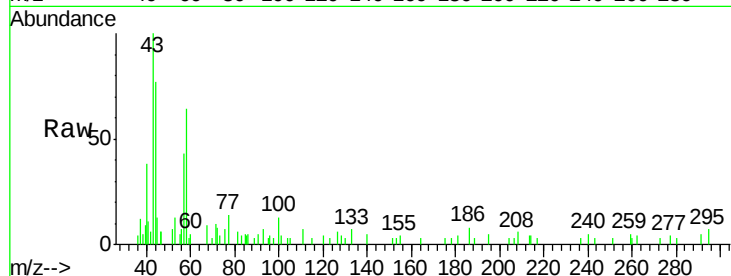




#58
2-Hexanone
Concen: 1.54 ug/l
RT: 9.45 min Scan# 905
Delta R.T. 0.02 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

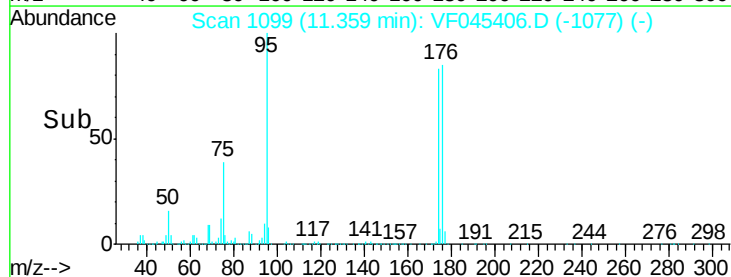
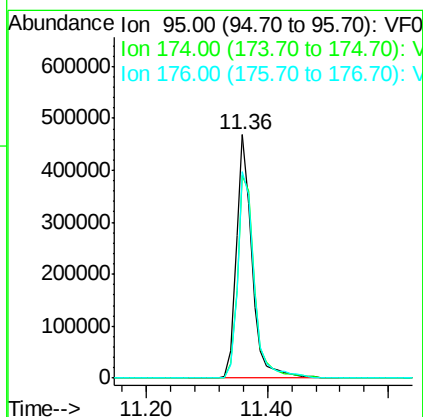
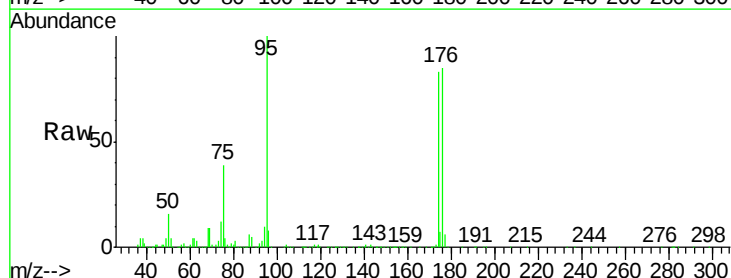
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBL01

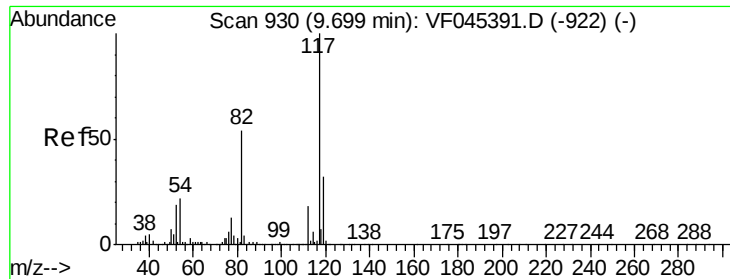
Tot Ion: 43 Resp: 9625
Ion Ratio Lower Upper
43 100
58 64.1 28.8 86.5



#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

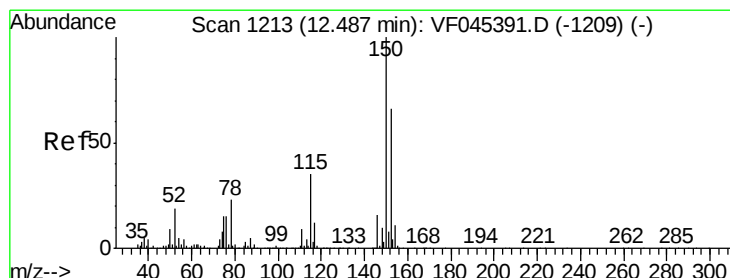
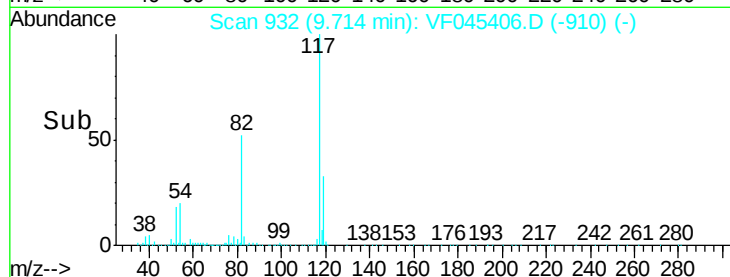
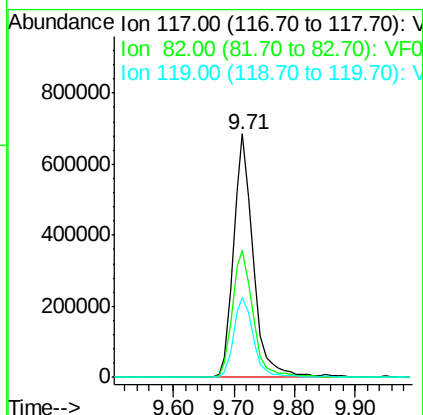
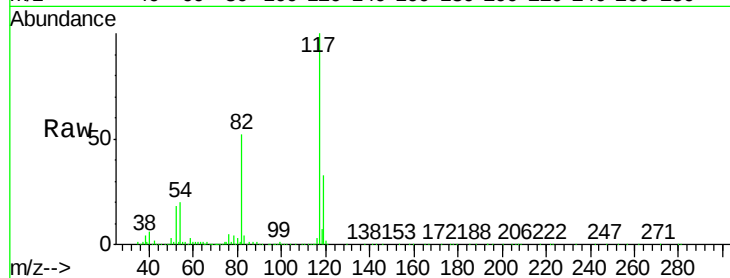




#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.71 min Scan# 932
Delta R.T. 0.01 min
Lab File: VF045406.D
Acq: 17 Sep 2015 15:04

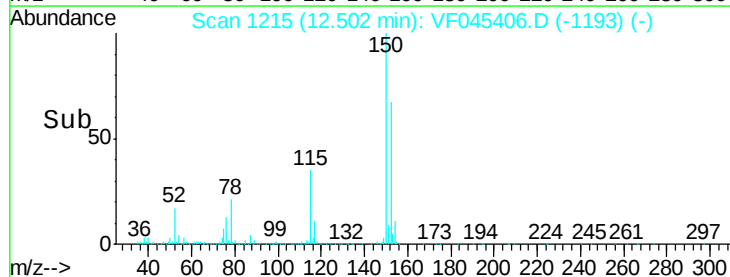
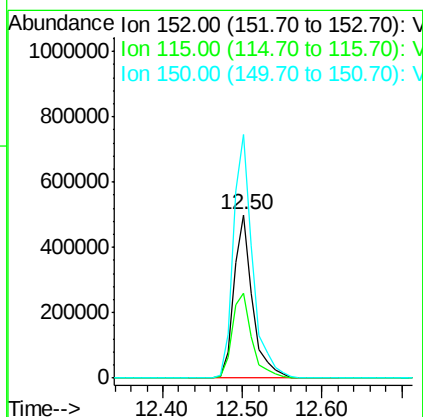
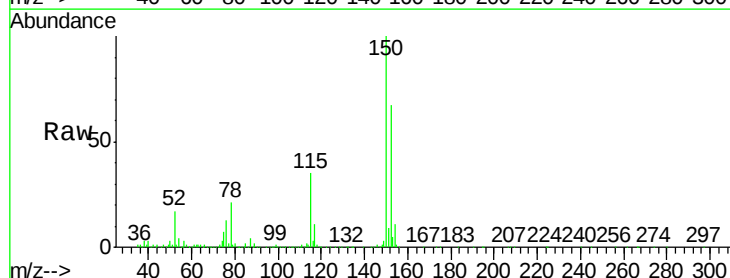
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBL01

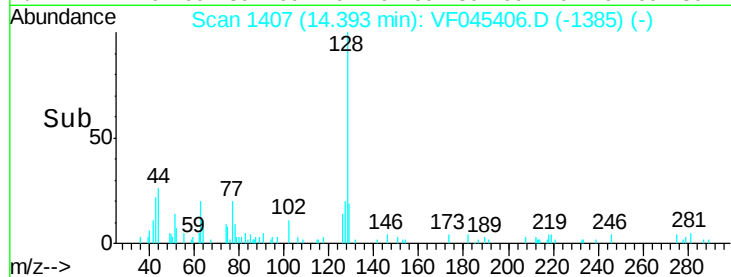
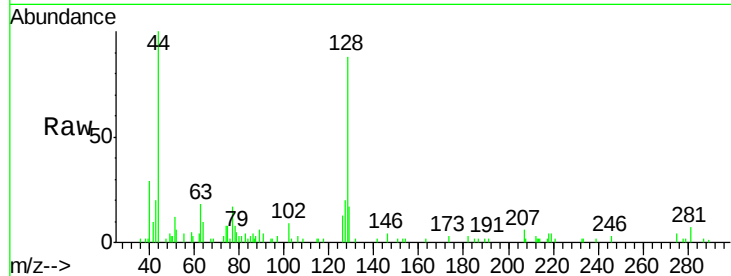
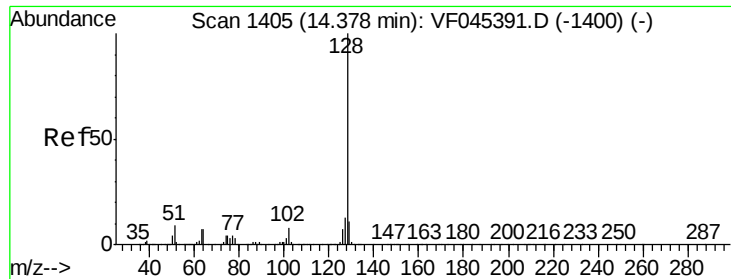
Tot Ion:117 Resp: 1553669
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.6
119 32.9 26.2 39.4



#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





#94

Naphthalene

Concen: 2.04 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045406.D

Acq: 17 Sep 2015 15:04

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBL01

Tot Ion:128 Resp: 9863

Ion Ratio Lower Upper

128 100

127 23.1 9.8 14.8#

129 19.3 8.8 13.2#

