

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059584.D
 Acq On : 20 Jul 2018 4:42
 Operator : VA/AP
 Sample : J4062-31
 Misc : 6.44g/5mL/MSVOA F/SOIL
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11

Quant Time: Jul 20 07:11:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

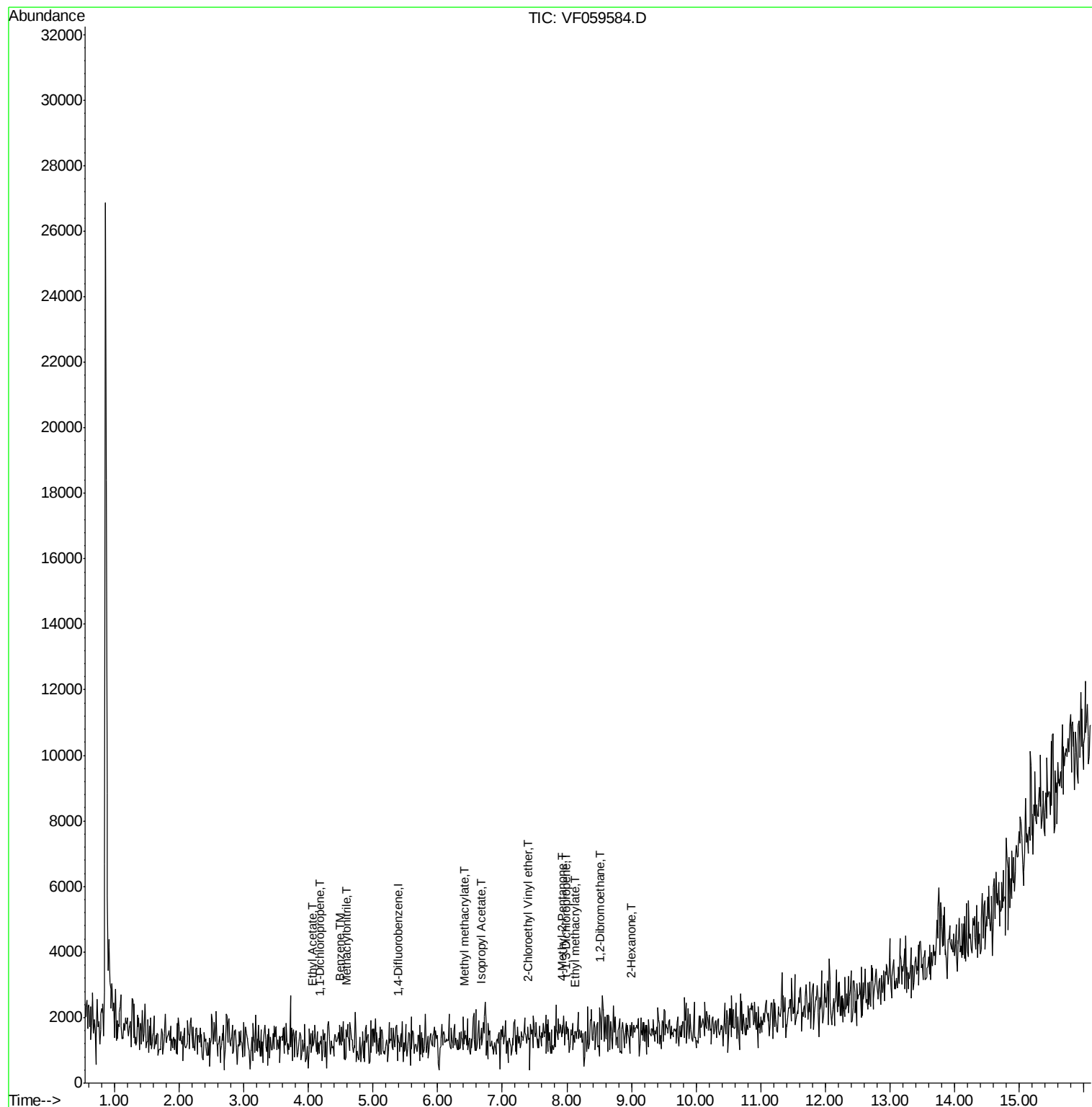
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.05
34) 1,4-Difluorobenzene	5.40	114	61	50.00	ug/l	-0.38
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	84	0.00	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
						Qvalue
36) 1,1-Dichloropropene	4.18	75	71	116.29	ug/l #	45
37) Ethyl Acetate	4.07	43	202	687.39	ug/l #	20
40) Benzene	4.48	78	80	67.54	ug/l #	51
41) Methacrylonitrile	4.59	41	75	428.34	ug/l #	27
43) Isopropyl Acetate	6.69	43	251	572.10	ug/l #	51
48) Methyl methacrylate	6.43	41	60	191.48	ug/l #	13
51) 4-Methyl-2-Pentanone	7.93	43	133	427.65	ug/l #	67
53) t-1,3-Dichloropropene	8.00	75	66	93.10	ug/l #	43
56) Ethyl methacrylate	8.13	69	63	152.62	ug/l #	13
58) 2-Chloroethyl Vinyl ether	7.40	63	67	1838.47	ug/l #	100
59) 2-Hexanone	9.00	43	146	621.17	ug/l #	30
61) 1,2-Dibromoethane	8.51	107	87	210.65	ug/l #	2

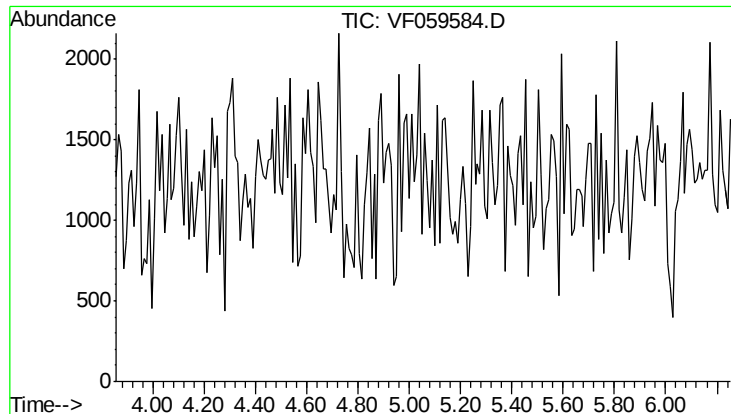
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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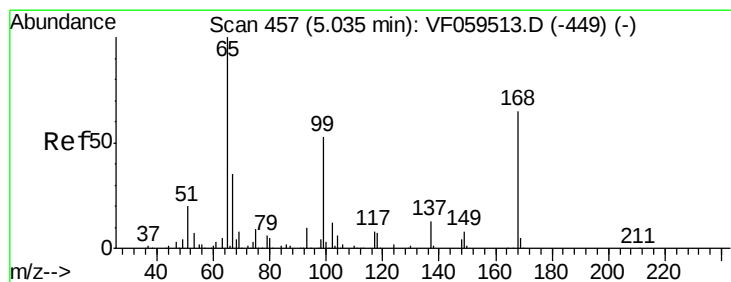
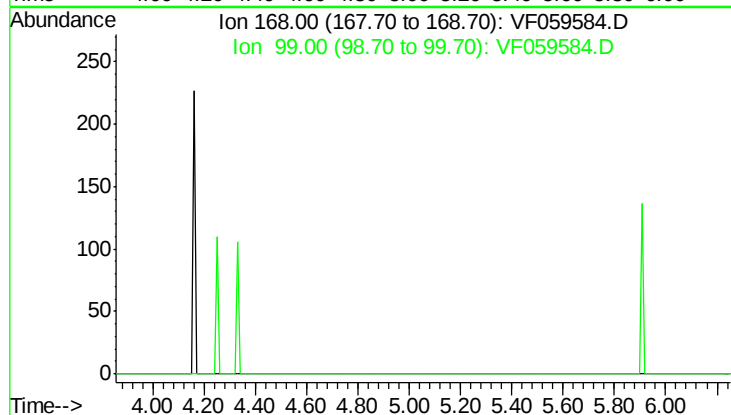


#1
Pentafluorobenzene
Concen: 0.00 ug/l
Expected RT: 5.05 min

Lab File: VF059584.D
Acq: 20 Jul 2018 4:42

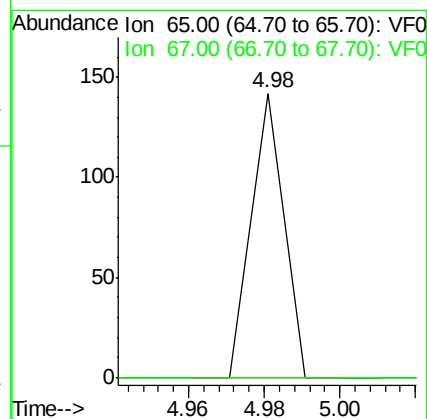
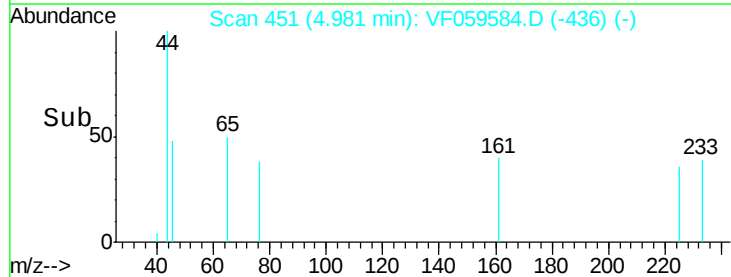
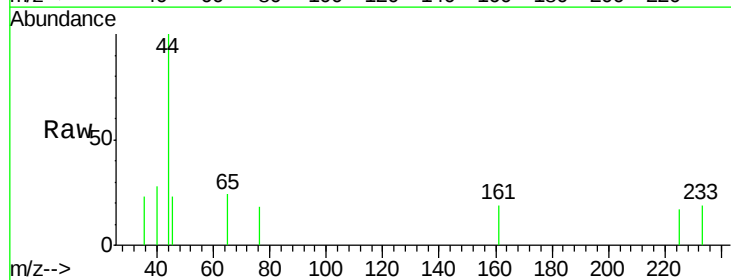
Instrument :
MSVOA_F
ClientSampleId :
TP-11

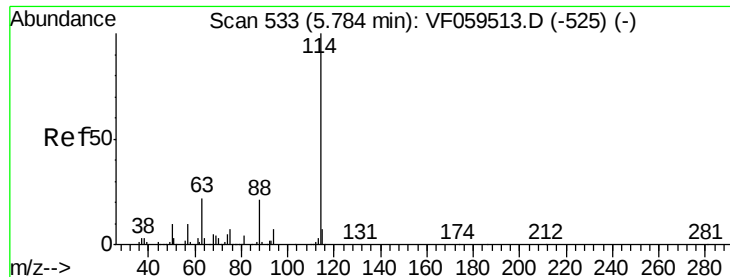
Tot Ion: 168
Sig Exp Ratio
168 100
99 72.0



#33
1,2-Dichloroethane-d4
Concen: 0.00 ug/l
RT: 4.98 min Scan# 451
Delta R.T. -0.05 min
Lab File: VF059584.D
Acq: 20 Jul 2018 4:42

Tgt Ion: 65 Resp: 84
Ion Ratio Lower Upper
65 100
67 0.0 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.38 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Instrument :

MSVOA_F

ClientSampleId :

TP-11

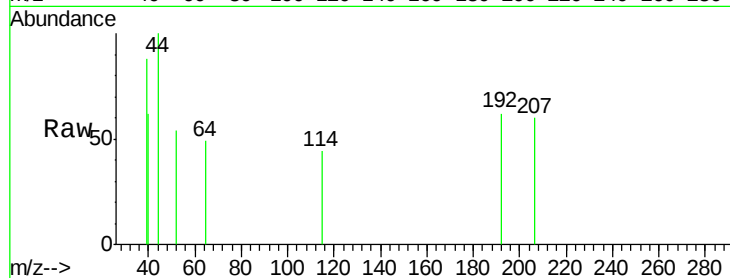
Tot Ion:114 Resp: 61

Ion Ratio Lower Upper

114 100

63 0.0 0.0 44.8

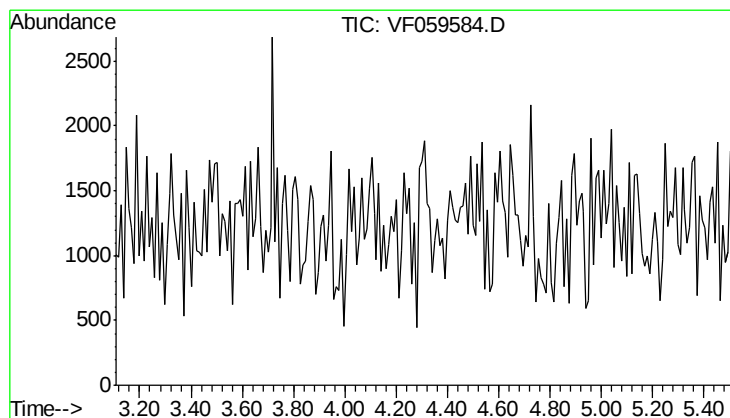
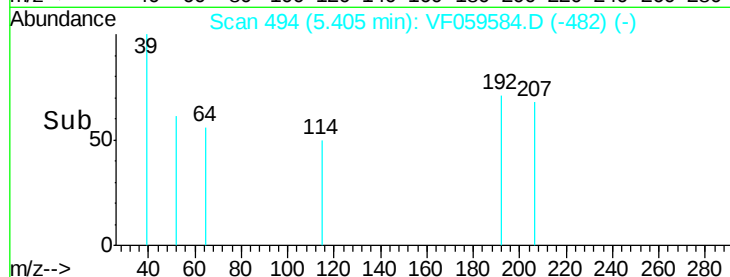
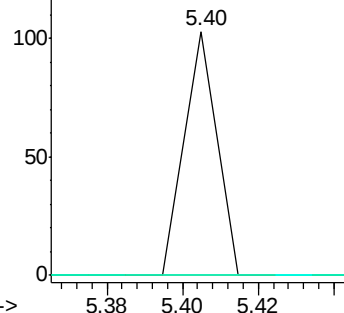
88 0.0 0.0 42.6



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



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 4.31 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

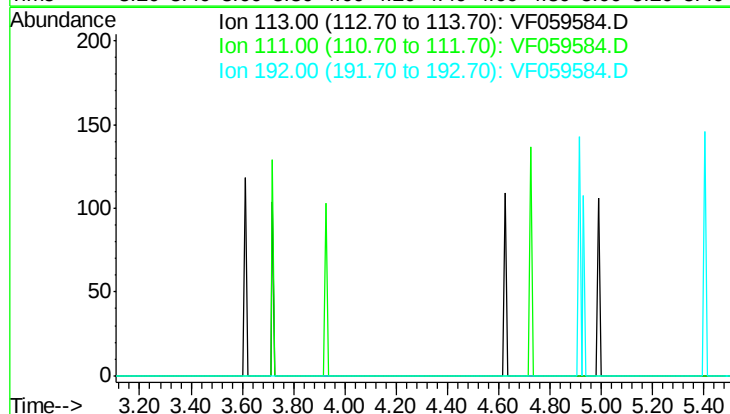
Tgt Ion: 113

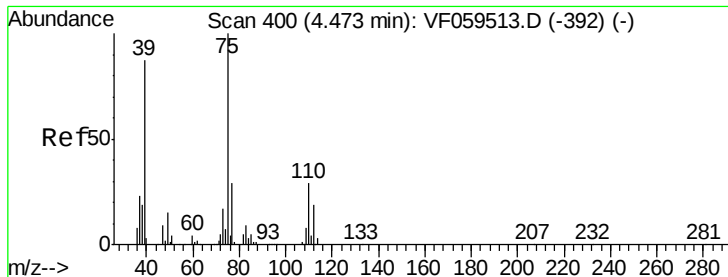
Sig Exp Ratio

113 100

111 100.4

192 16.4





#36

1,1-Dichloropropene

Concen: 116.29 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.29 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Instrument :

MSVOA_F

ClientSampleId :

TP-11

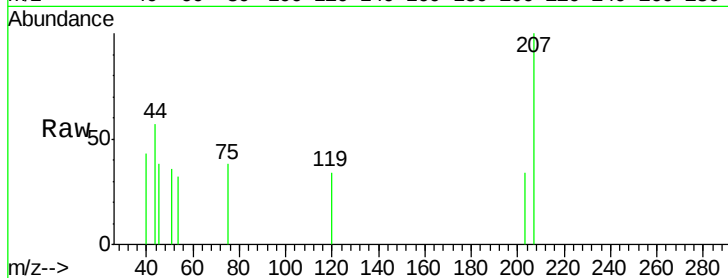
Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

110 0.0 14.6 43.8#

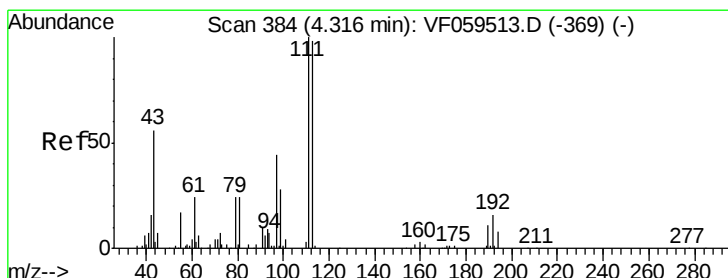
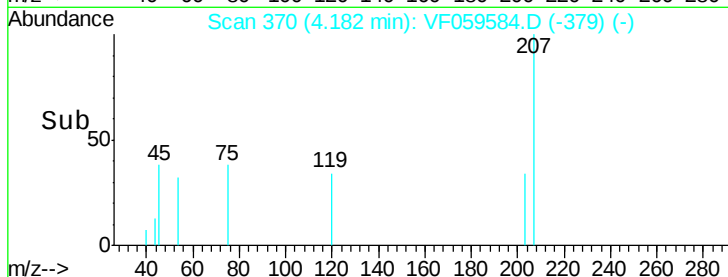
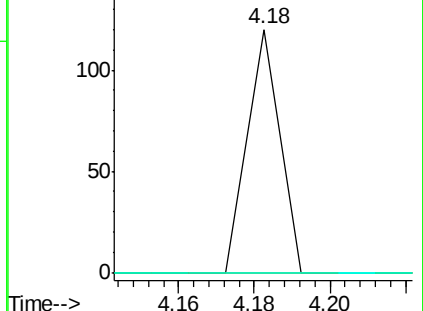
77 0.0 23.7 35.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 687.39 ug/l

RT: 4.07 min Scan# 359

Delta R.T. -0.24 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

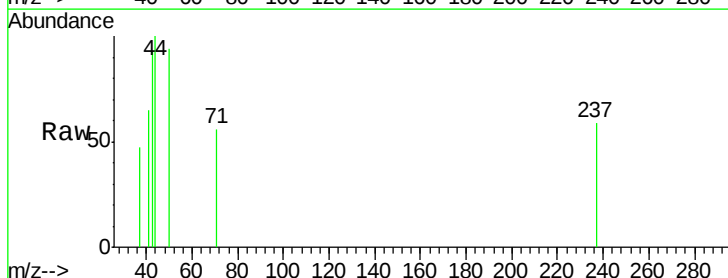
Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

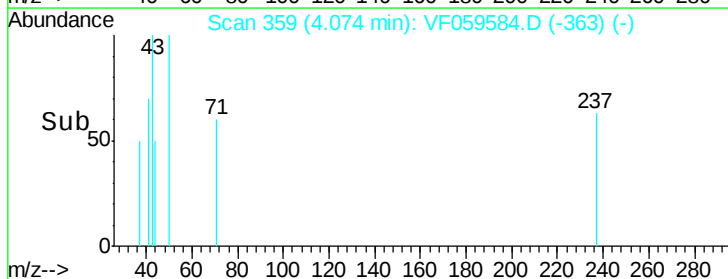
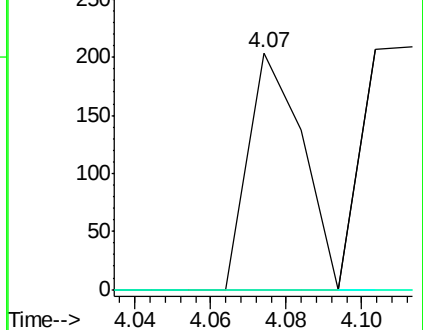
70 60.3 7.4 11.0#

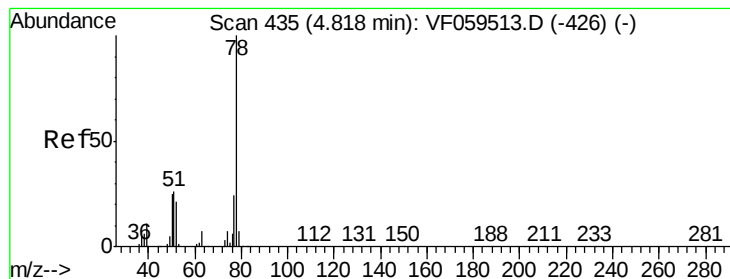


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#40

Benzene

Concen: 67.54 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.34 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Instrument :

MSVOA_F

ClientSampleId :

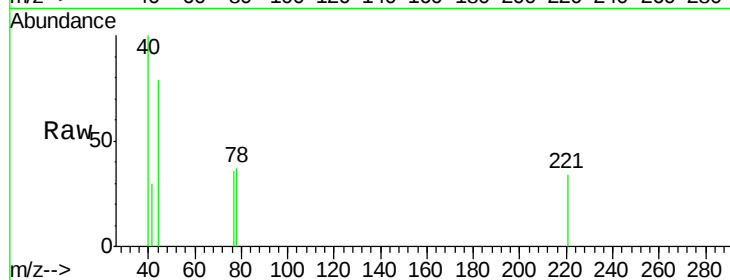
TP-11

Tot Ion: 78 Resp: 80

Ion Ratio Lower Upper

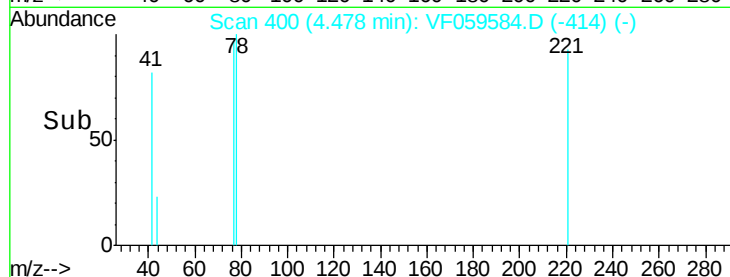
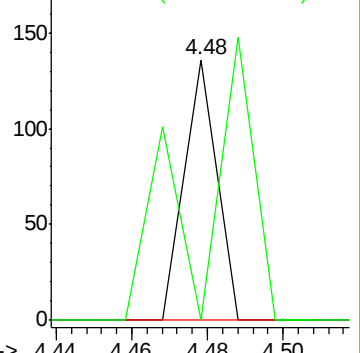
78 100

77 0.0 19.4 29.0#

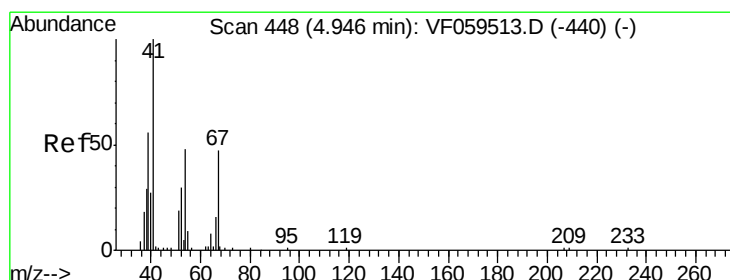


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 428.34 ug/l

RT: 4.59 min Scan# 411

Delta R.T. -0.36 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Tgt Ion: 41 Resp: 75

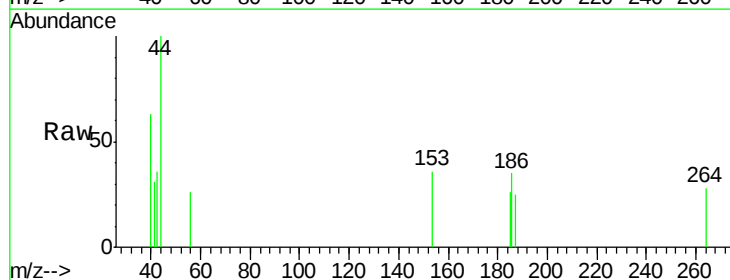
Ion Ratio Lower Upper

41 100

39 0.0 49.4 74.0#

67 0.0 37.4 56.2#

52 0.0 32.1 48.1#

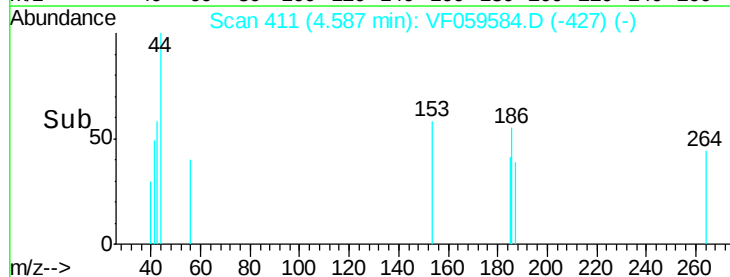
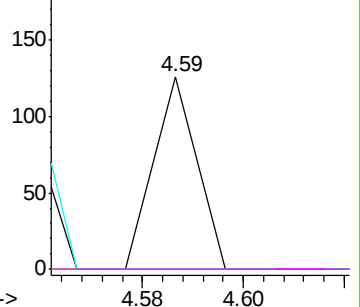


Abundance Ion 41.00 (40.70 to 41.70): VF0

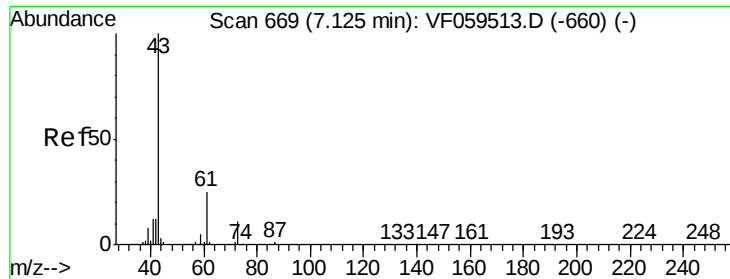
Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->



#43

Isopropyl Acetate

Concen: 572.10 ug/l

RT: 6.69 min Scan# 624

Delta R.T. -0.44 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Instrument :

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ClientSampleId :

TP-11

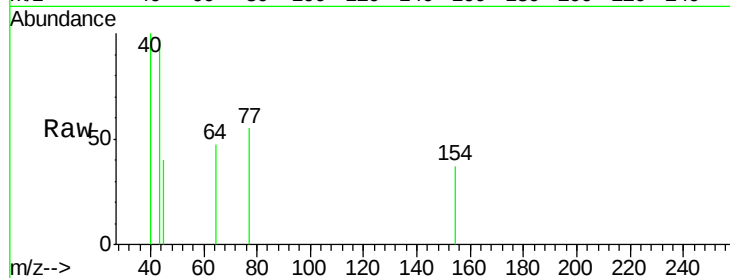
Tot Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

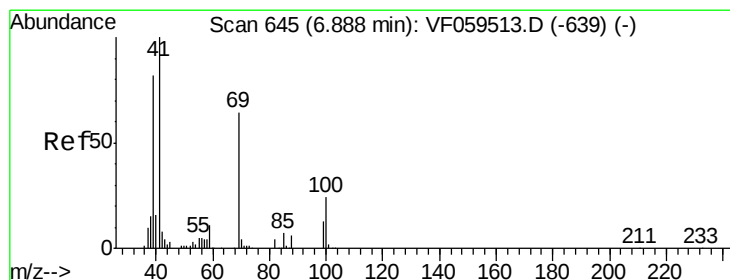
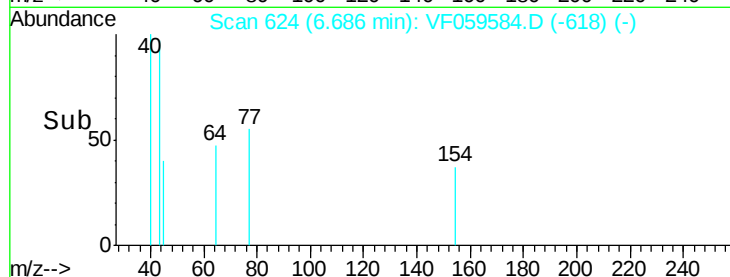
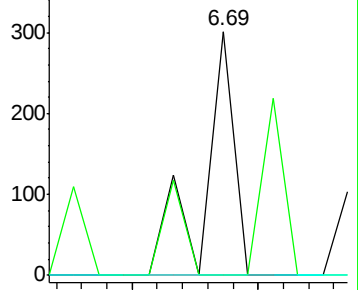
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 191.48 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.46 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

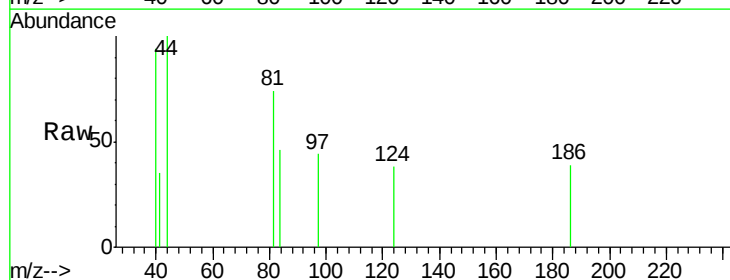
Tgt Ion: 41 Resp: 60

Ion Ratio Lower Upper

41 100

69 0.0 51.3 76.9#

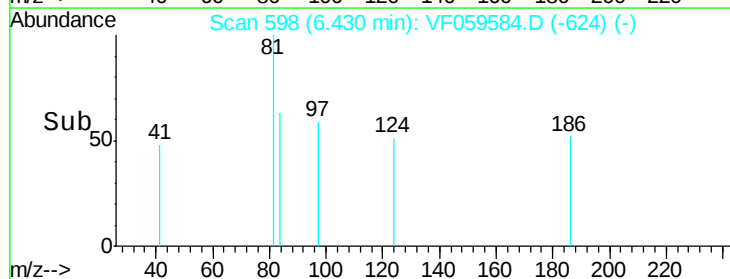
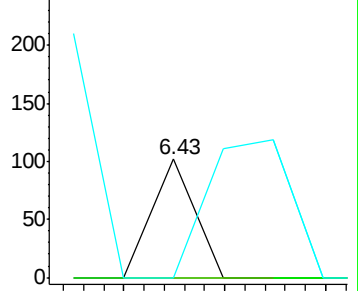
39 0.0 65.3 97.9#

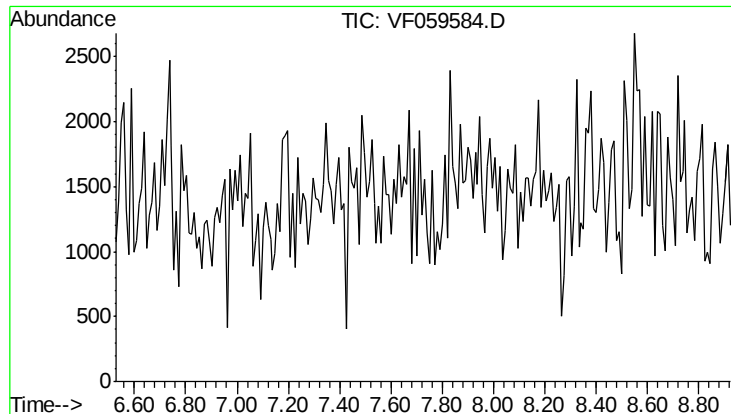


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



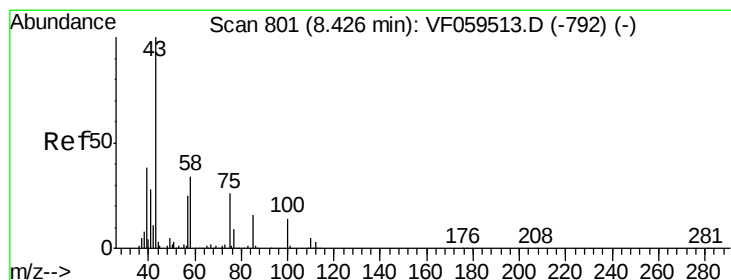
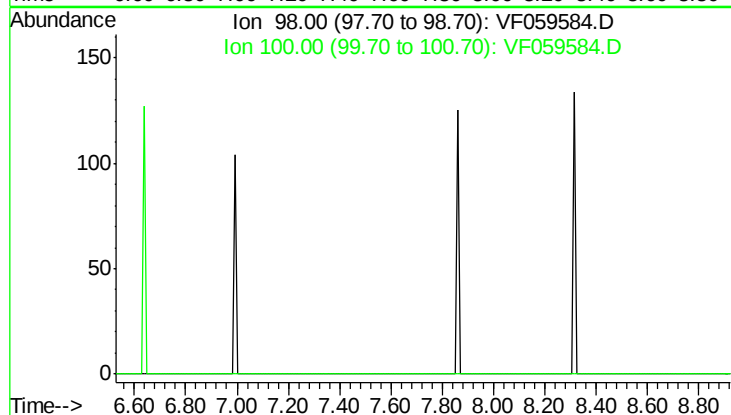


#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.73 min

Lab File: VF059584.D
Acq: 20 Jul 2018 4:42

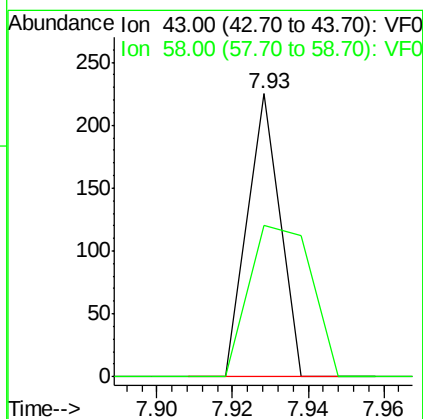
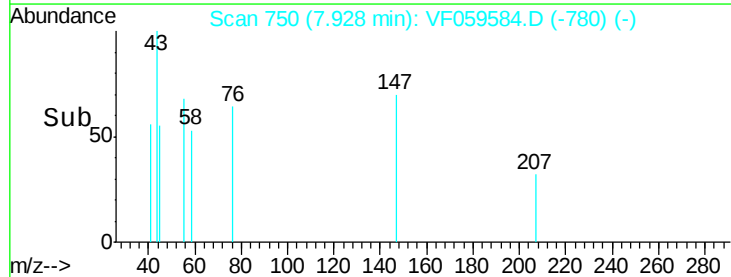
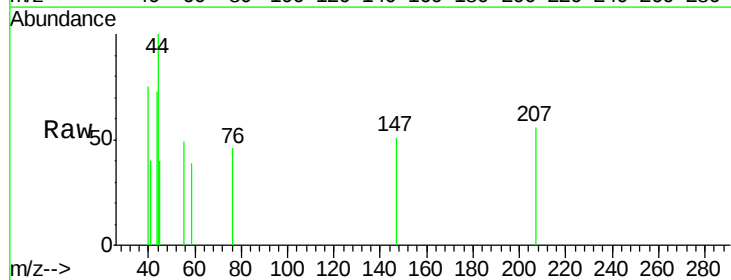
Tot Ion: 98
Sig Exp Ratio
98 100
100 63.6

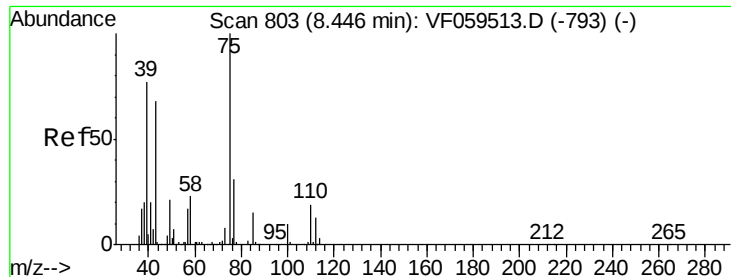
Instrument :
MSVOA_F
ClientSampleId :
TP-11



#51
4-Methyl-2-Pentanone
Concen: 427.65 ug/l
RT: 7.93 min Scan# 750
Delta R.T. -0.50 min
Lab File: VF059584.D
Acq: 20 Jul 2018 4:42

Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
58 53.3 27.4 41.2#





#53

t-1,3-Dichloropropene

Concen: 93.10 ug/l

RT: 8.00 min Scan# 757

Delta R.T. -0.45 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Instrument :

MSVOA_F

ClientSampled :

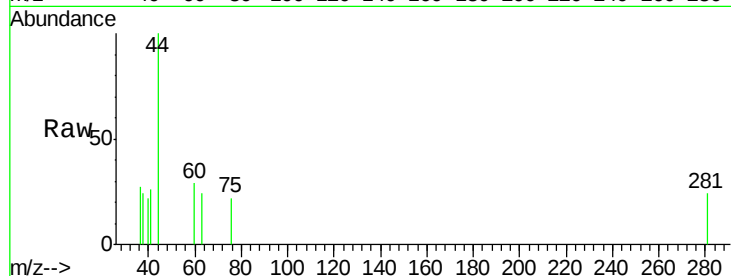
TP-11

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

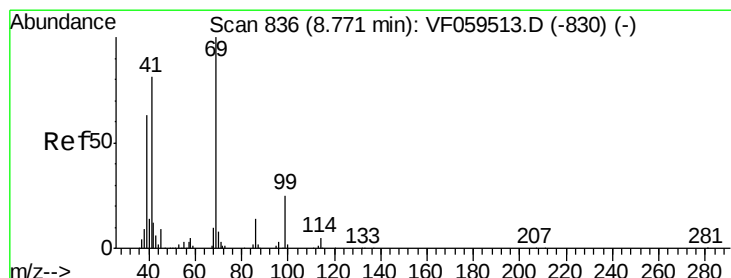
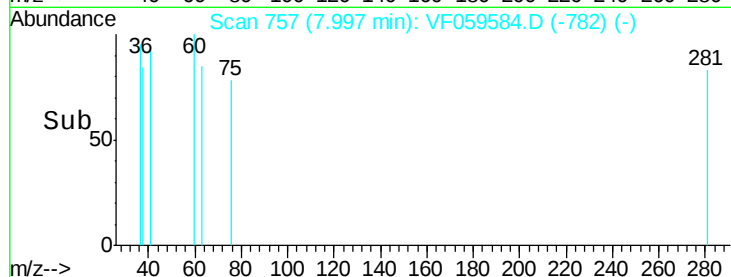
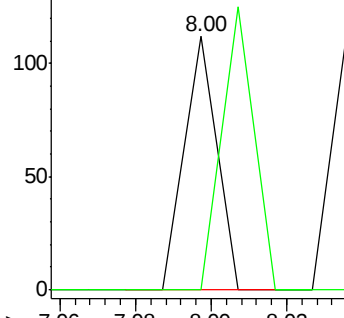
75 100

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#56

Ethyl methacrylate

Concen: 152.62 ug/l

RT: 8.13 min Scan# 770

Delta R.T. -0.65 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

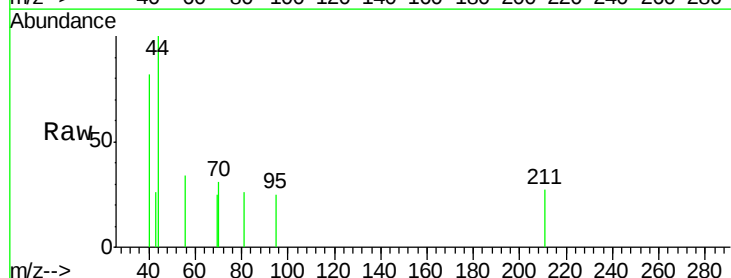
Tgt Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 0.0 65.4 98.2#

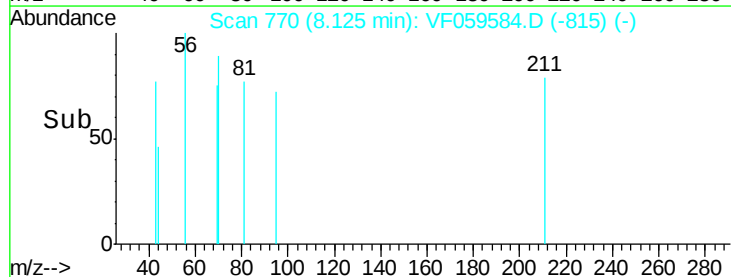
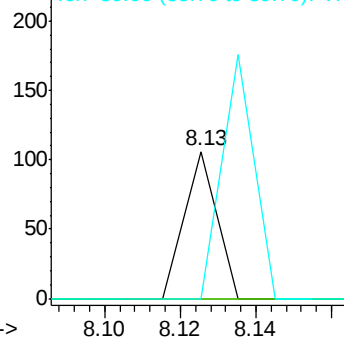
39 0.0 51.0 76.4#

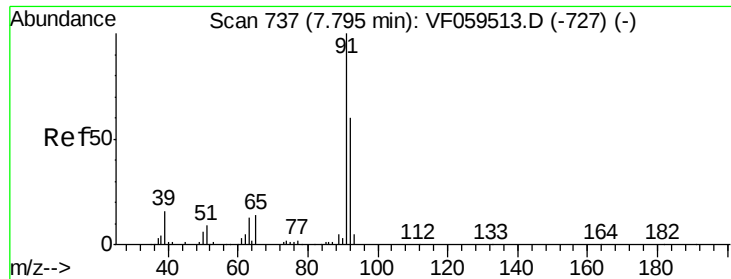


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

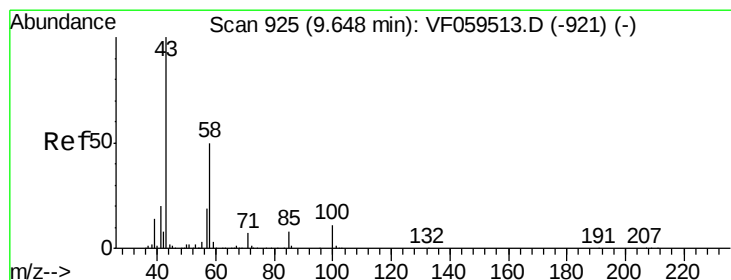
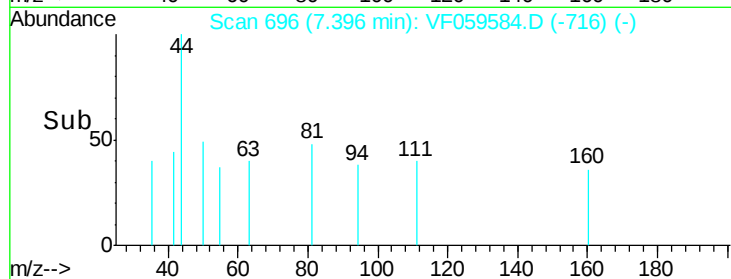
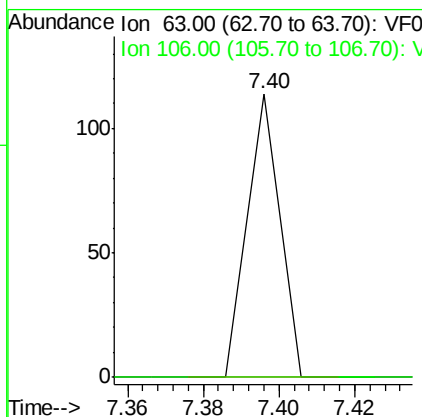
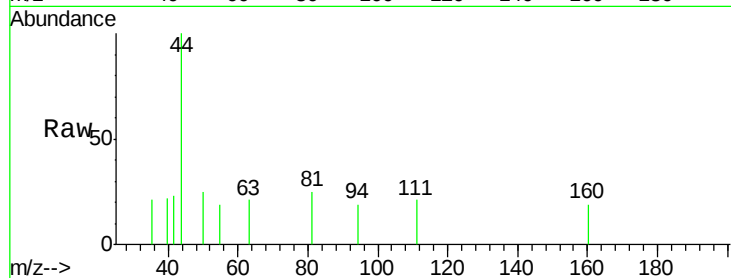




#58
 2-Chloroethyl Vinyl ether
 Concen: 1838.47 ug/l
 RT: 7.40 min Scan# 696
 Delta R.T. -0.40 min
 Lab File: VF059584.D
 Acq: 20 Jul 2018 4:42

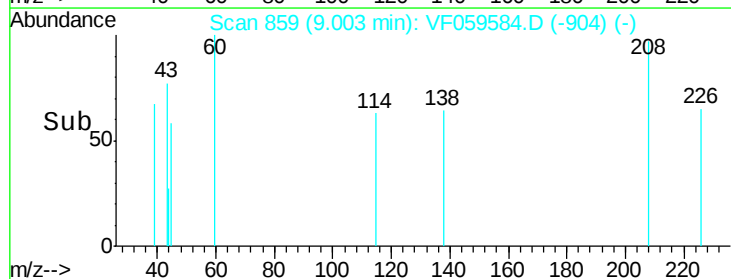
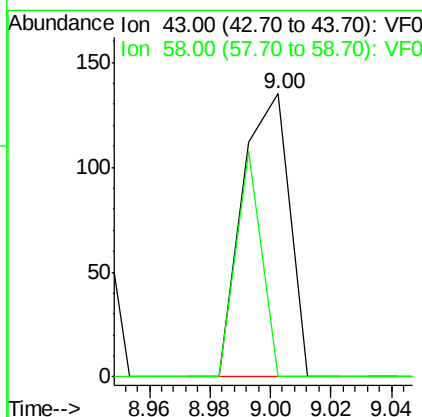
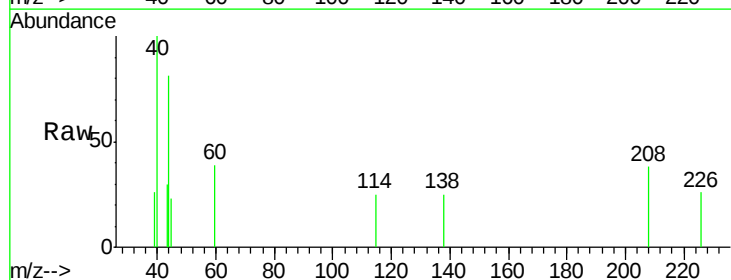
Instrument :
 MSVOA_F
 ClientSampled :
 TP-11

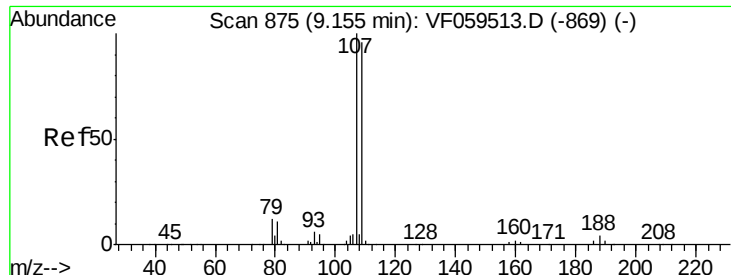
Tot Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 621.17 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.65 min
 Lab File: VF059584.D
 Acq: 20 Jul 2018 4:42

Tgt Ion: 43 Resp: 146
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.9#





#61

1,2-Dibromoethane

Concen: 210.65 ug/l

RT: 8.51 min Scan# 809

Delta R.T. -0.65 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

Instrument :

MSVOA_F

ClientSampled :

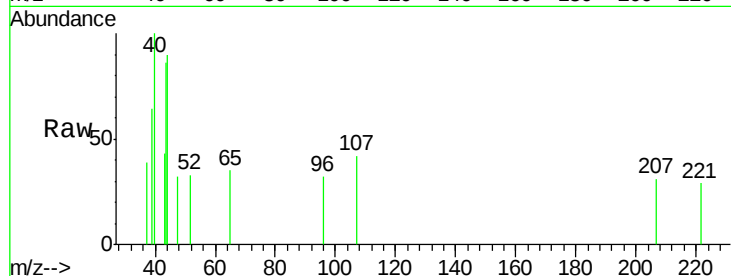
TP-11

Tot Ion:107 Resp: 87

Ion Ratio Lower Upper

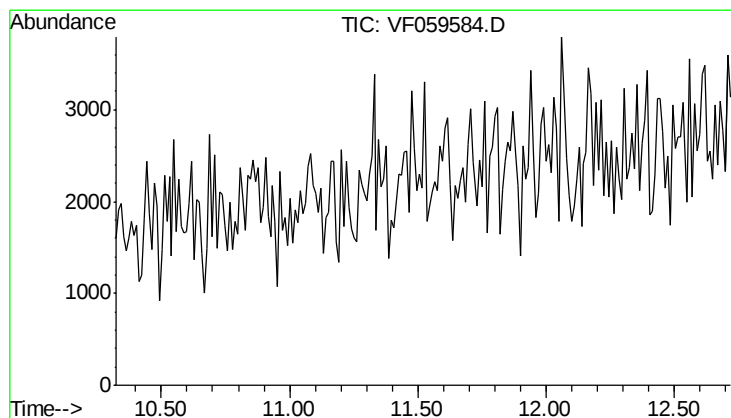
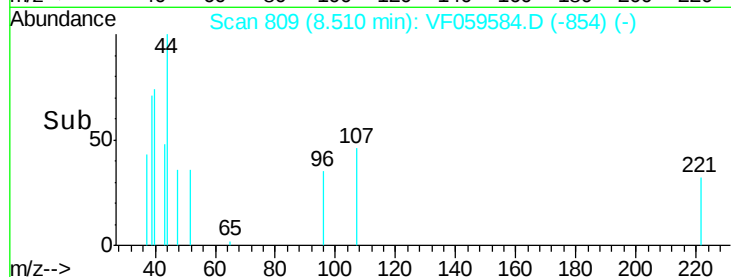
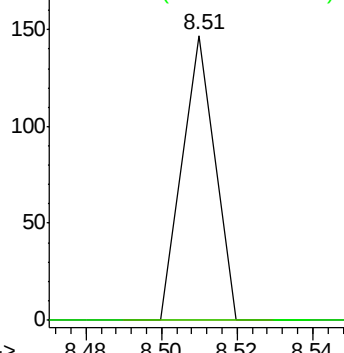
107 100

109 0.0 76.5 114.7#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.52 min

Lab File: VF059584.D

Acq: 20 Jul 2018 4:42

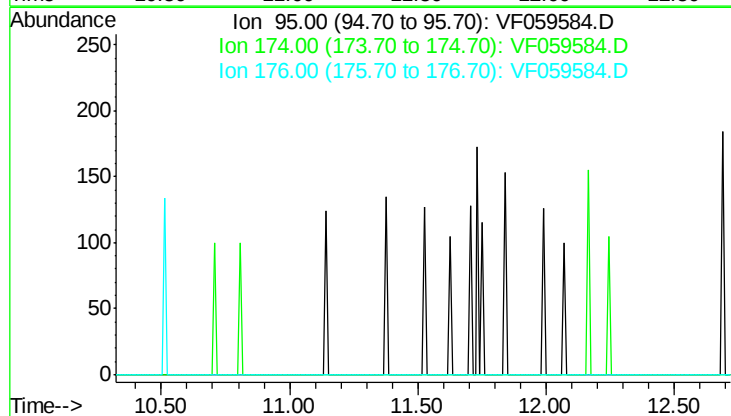
Tgt Ion: 95

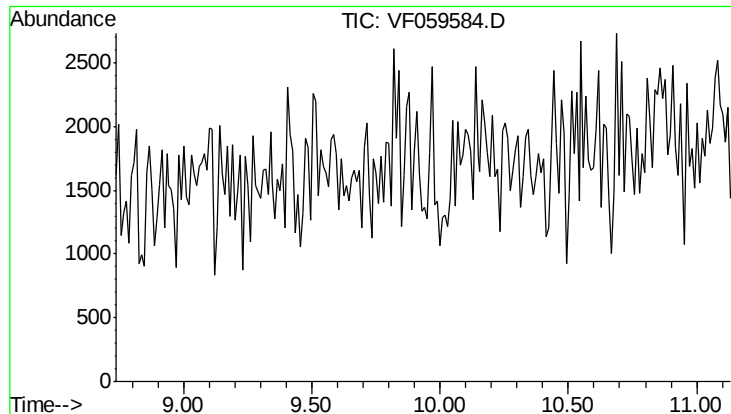
Sig Exp Ratio

95 100

174 87.2

176 84.7

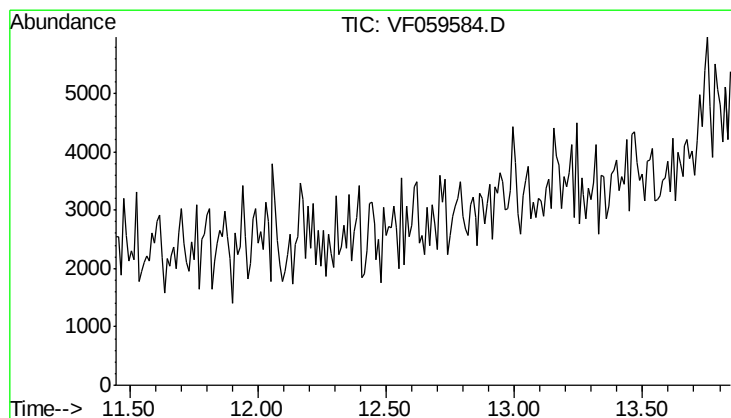
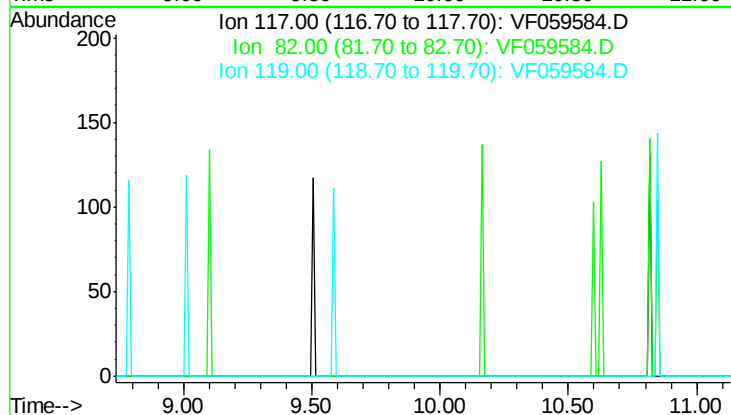




#63
 Chlorobenzene-d5
 Concen: 0.00 ug/l
 Expected RT: 9.93 min
 Lab File: VF059584.D
 Acq: 20 Jul 2018 4:42

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11

Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 57.6
 119 34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ug/l
 Expected RT: 12.64 min
 Lab File: VF059584.D
 Acq: 20 Jul 2018 4:42

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 55.5
 150 159.2

