

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059913.D
 Acq On : 7 Aug 2018 10:43
 Operator : VA/AP
 Sample : J4298-02
 Misc : 2.86g/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 11:32:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	255426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	365564	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	310675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	159485	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	160245	34.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.60%	
35) Dibromofluoromethane	4.31	113	134588	37.00	ug/l	0.01
Spiked Amount 50.000			Recovery	=	74.00%	
50) Toluene-d8	7.72	98	279568	36.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.26%	
62) 4-Bromofluorobenzene	11.51	95	133775	30.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.52%	

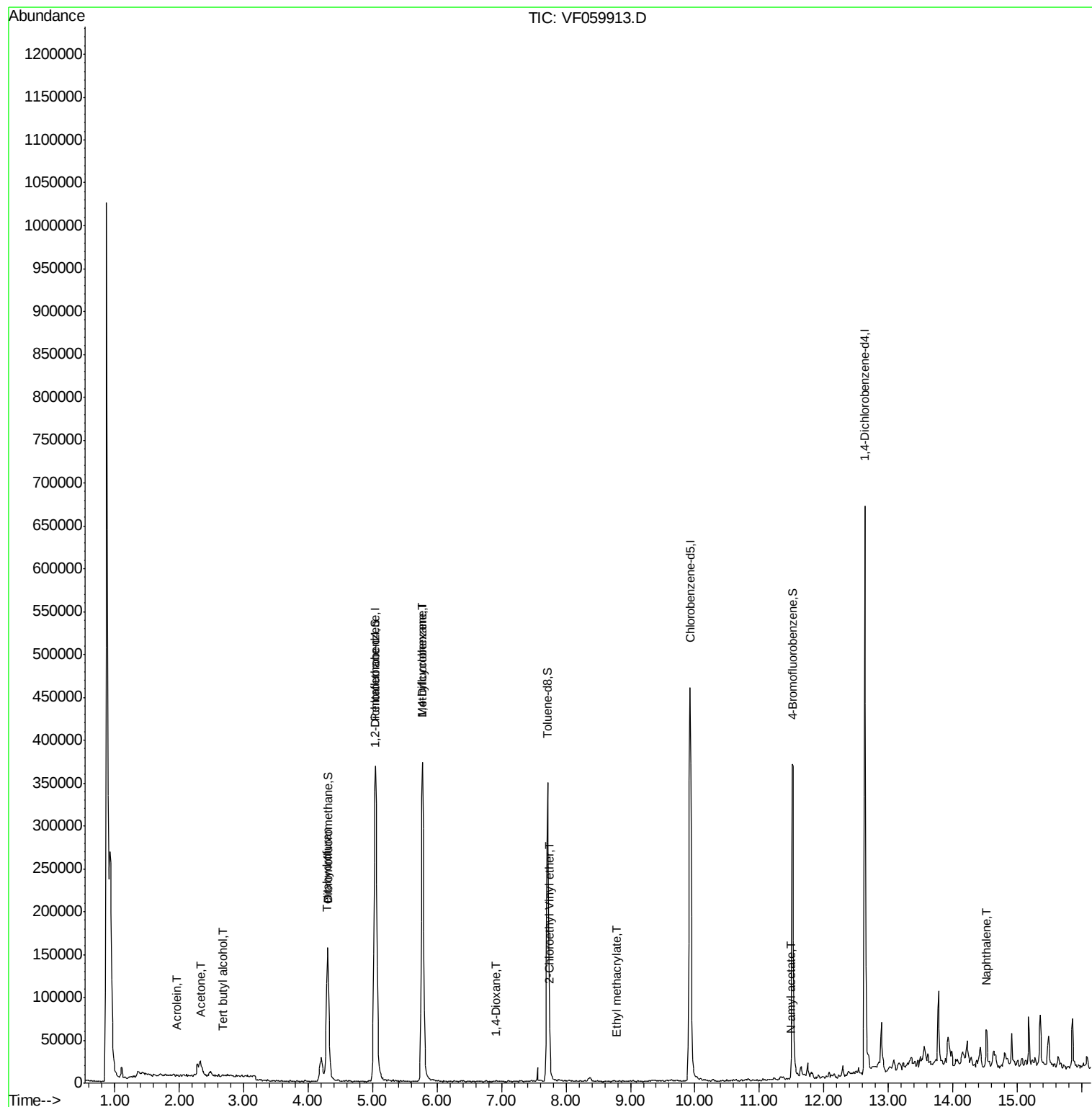
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	512	2.756	ug/l #	1
13) Acrolein	1.97	56	152	1.365	ug/l	93
16) Acetone	2.34	43	1987	2.337	ug/l #	61
20) Methylene Chloride	2.28	84	5223	Below Cal		87
29) Tetrahydrofuran	4.29	42	996	2.927	ug/l #	59
39) Methylcyclohexane	5.76	83	5207	1.642	ug/l #	47
40) Benzene	4.80	78	150	Below Cal	#	49
49) 1,4-Dioxane	6.91	88	105	89.670	ug/l	90
56) Ethyl methacrylate	8.78	69	116	3.408	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.76	63	386	1.518	ug/l	100
74) N-amyl acetate	11.47	43	1308	3.460	ug/l #	68
95) Naphthalene	14.53	128	8531	1.318	ug/l #	85

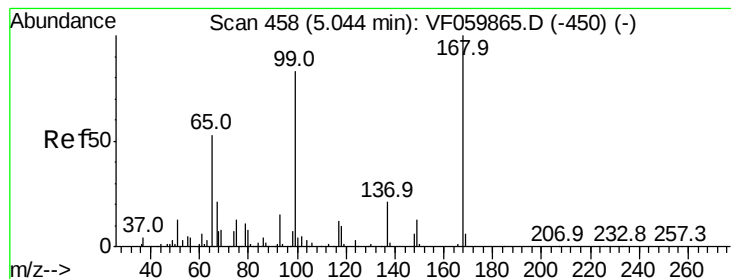
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

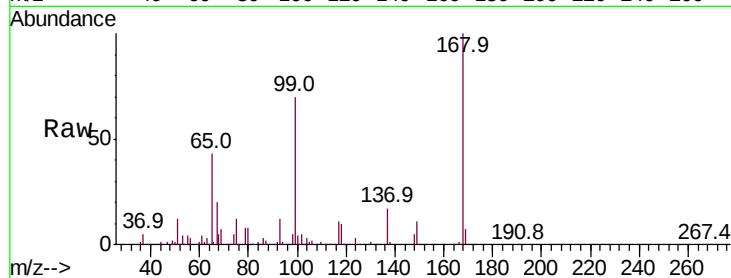
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 255426

Ion Ratio Lower Upper

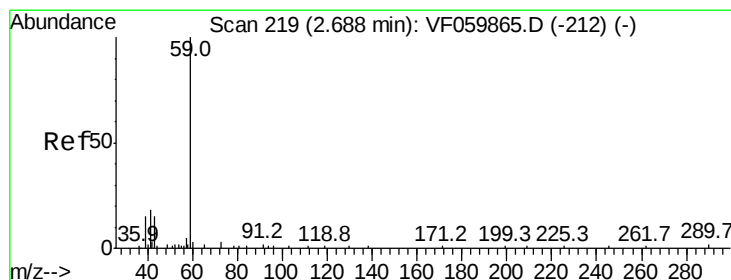
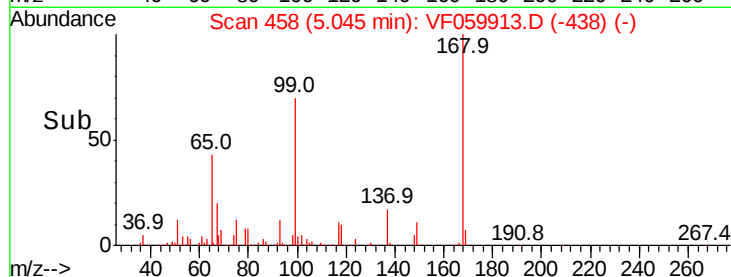
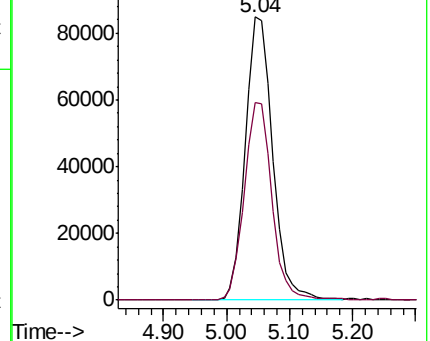
168 100

99 69.8 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.756 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF059913.D

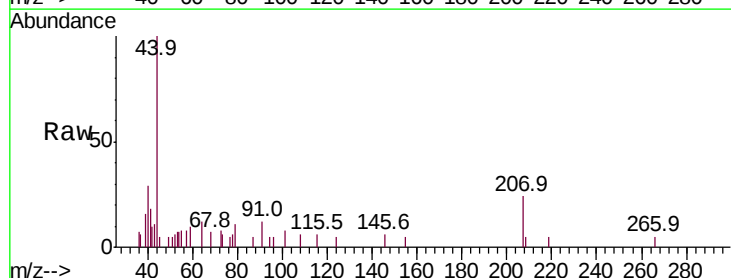
Acq: 7 Aug 2018 10:43

Tgt Ion: 59 Resp: 512

Ion Ratio Lower Upper

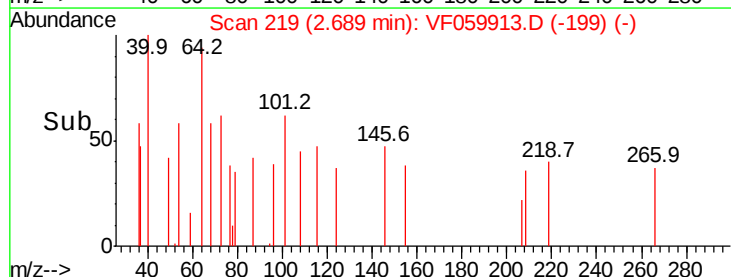
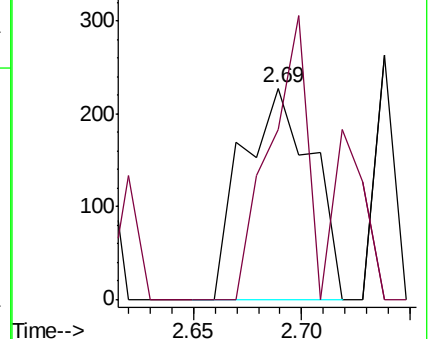
59 100

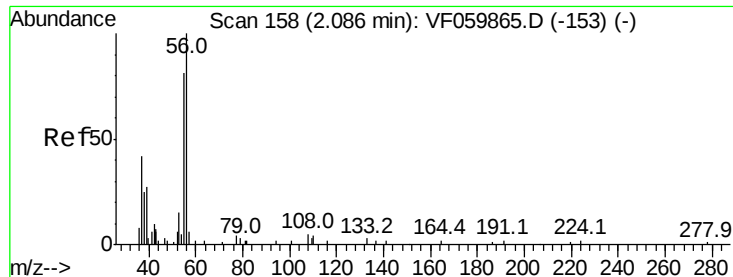
57 80.3 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 1.365 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.12 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

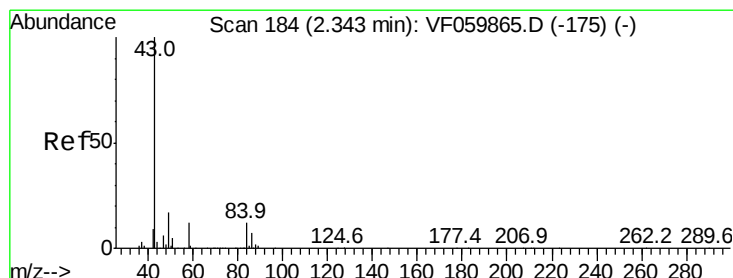
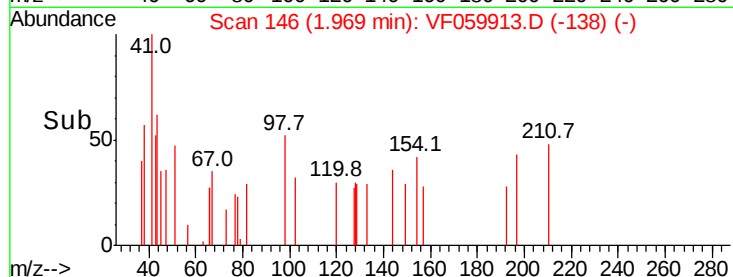
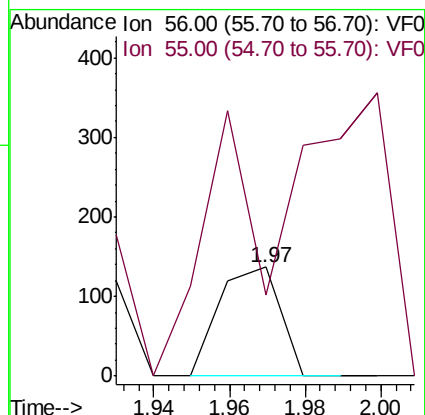
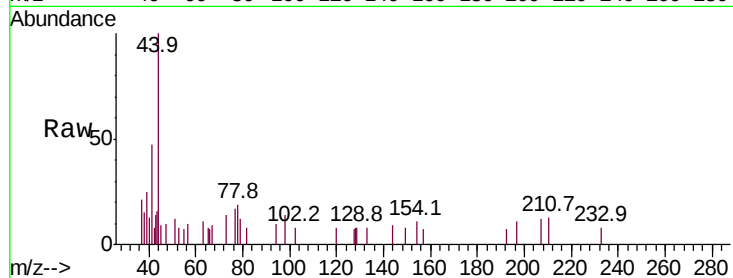
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 74.5 64.6 96.8



#16

Acetone

Concen: 2.337 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059913.D

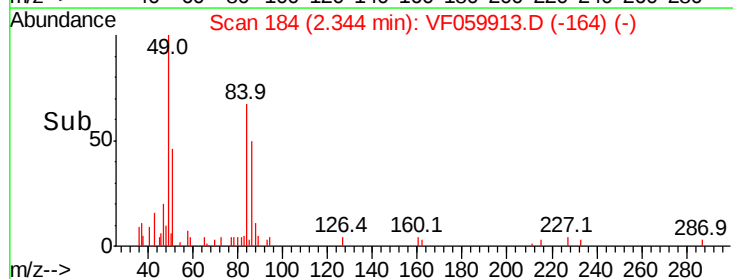
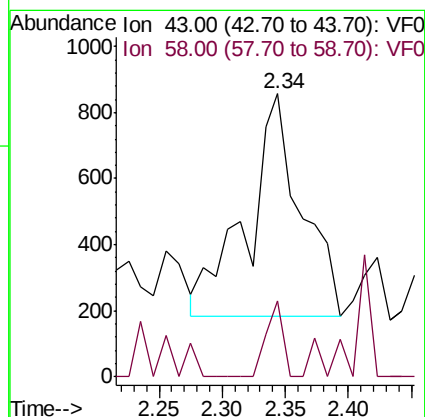
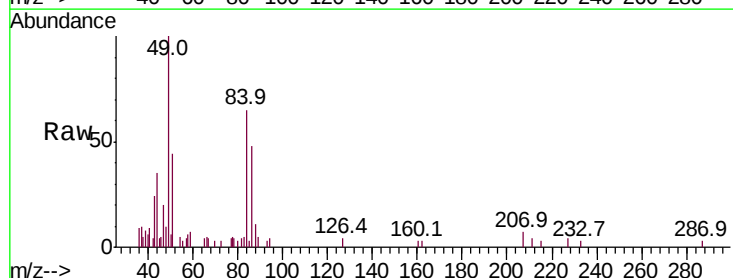
Acq: 7 Aug 2018 10:43

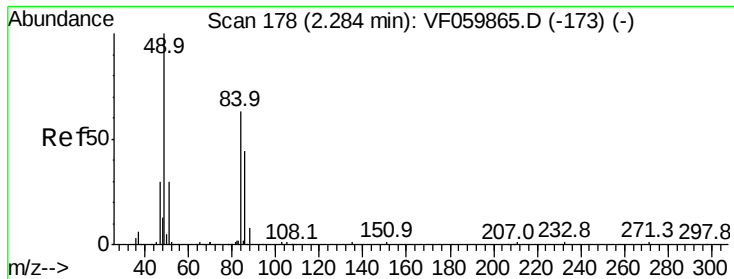
Tgt Ion: 43 Resp: 1987

Ion Ratio Lower Upper

43 100

58 26.8 9.4 14.0#



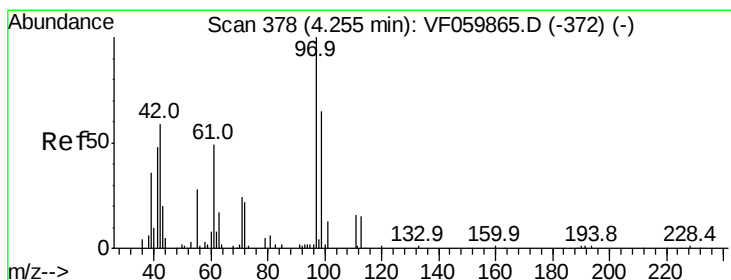
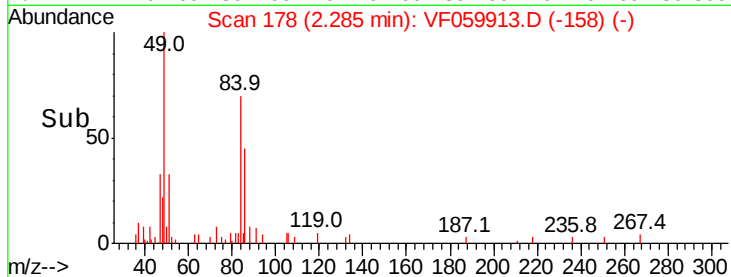
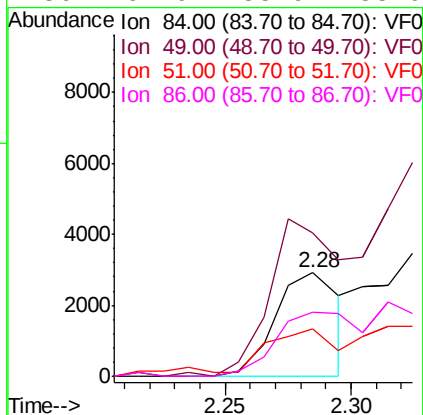
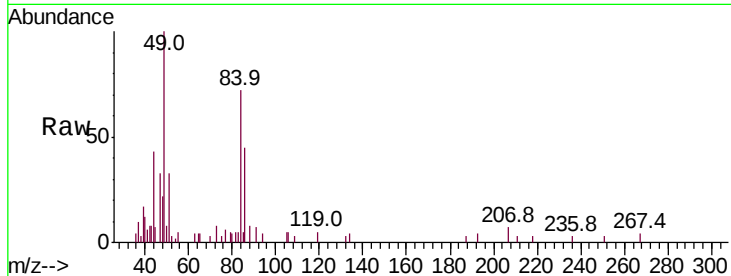


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059913.D
 Acq: 7 Aug 2018 10:43

Instrument :
 MSVOA_F
 ClientSampled :

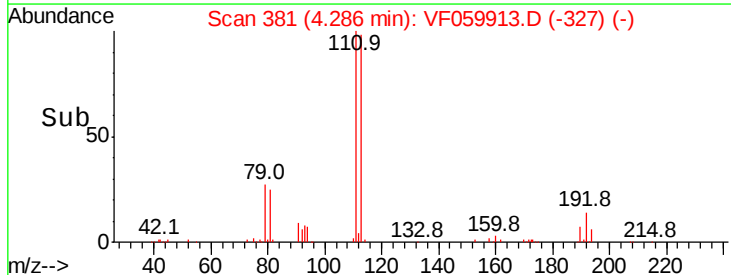
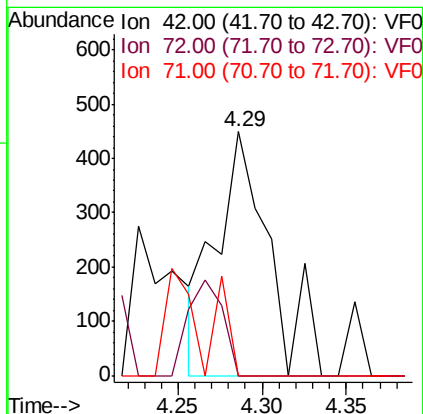
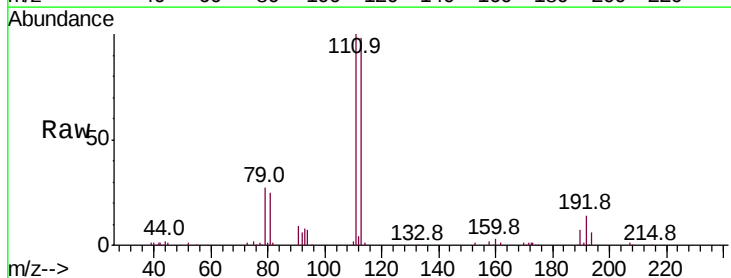
Tot Ion:	84	Resp:	5223
Ion	Ratio	Lower	Upper
84	100		
49	138.6	128.7	193.1
51	46.3	39.3	58.9
86	61.9	55.9	83.9

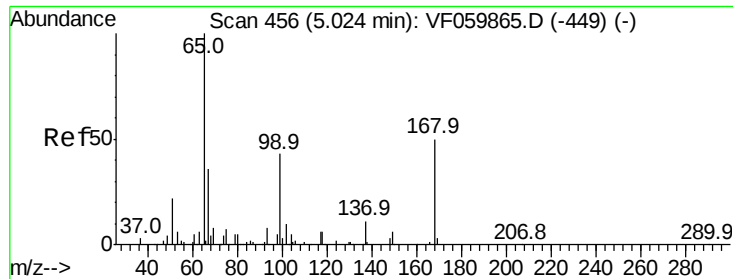


#29

Tetrahydrofuran
 Concen: 2.927 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.03 min
 Lab File: VF059913.D
 Acq: 7 Aug 2018 10:43

Tgt Ion:	42	Resp:	996
Ion	Ratio	Lower	Upper
42	100		
72	25.2	29.3	43.9#
71	0.0	30.0	45.0#





#33

1,2-Dichloroethane-d4

Concen: 34.799 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

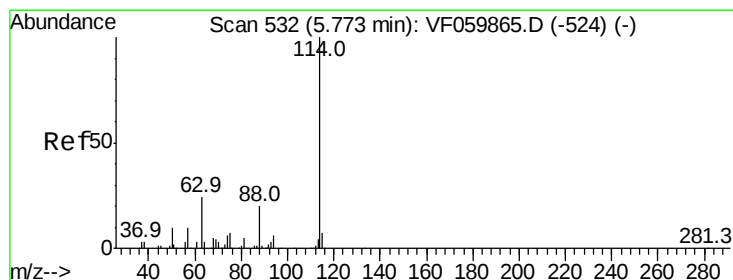
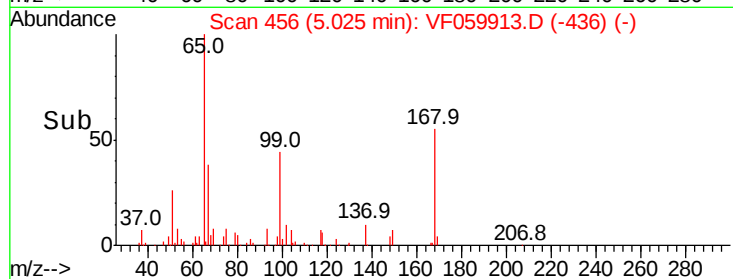
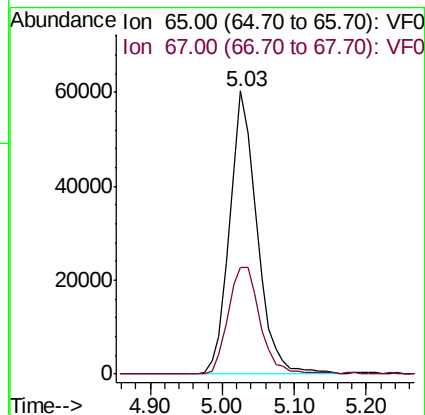
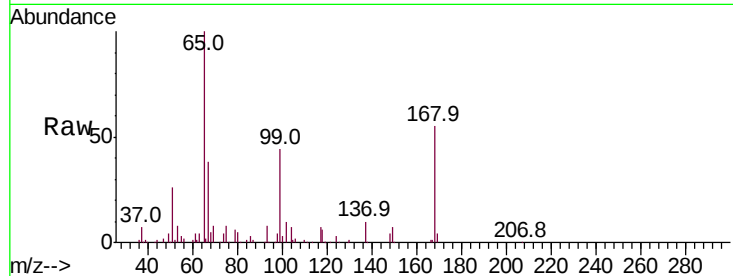
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 160245

Ion Ratio Lower Upper

65 100

67 37.9 0.0 77.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

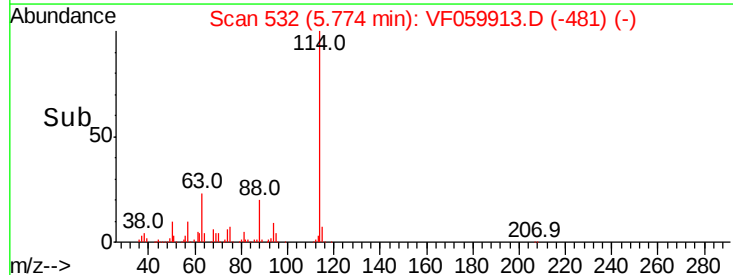
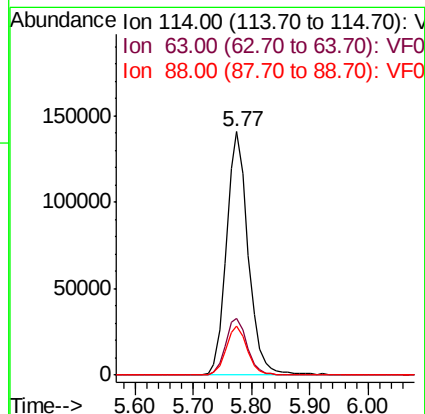
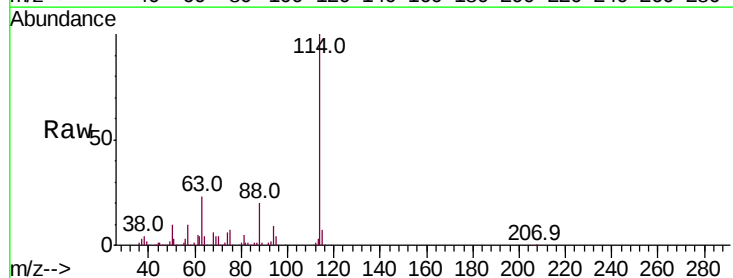
Tgt Ion: 114 Resp: 365564

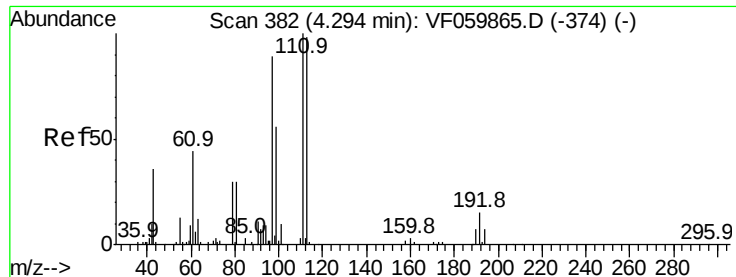
Ion Ratio Lower Upper

114 100

63 23.3 0.0 48.0

88 20.1 0.0 39.4





#35

Dibromofluoromethane

Concen: 37.003 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Instrument :
MSVOA_F
ClientSampleId :

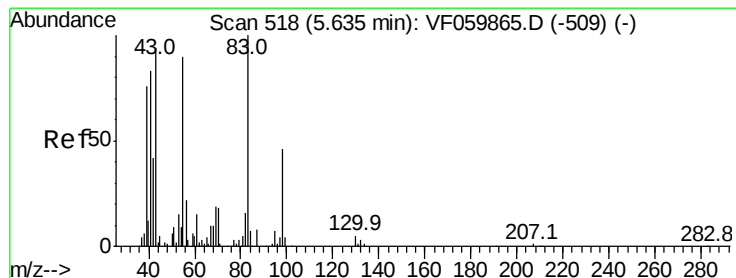
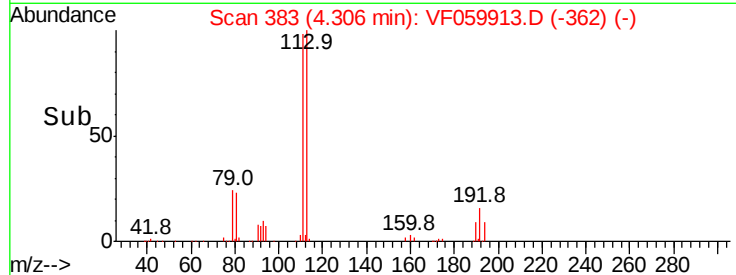
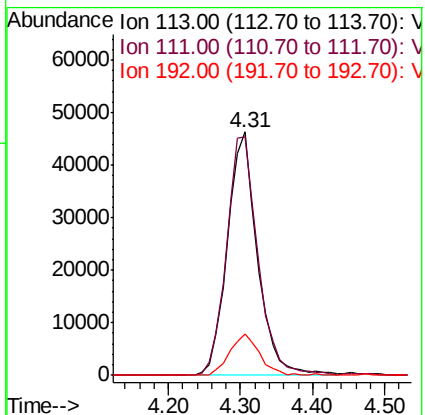
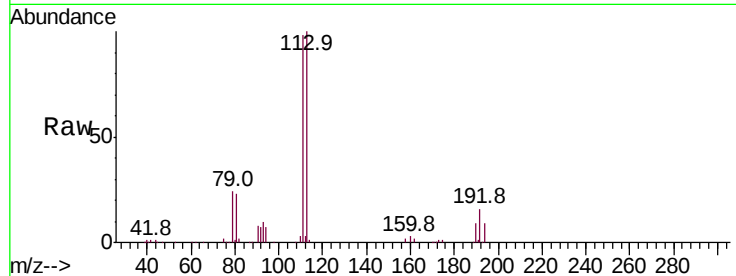
Tot Ion:113 Resp: 134588

Ion Ratio Lower Upper

113 100

111 97.7 81.8 122.8

192 16.8 12.4 18.6



#39

Methylcyclohexane

Concen: 1.642 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

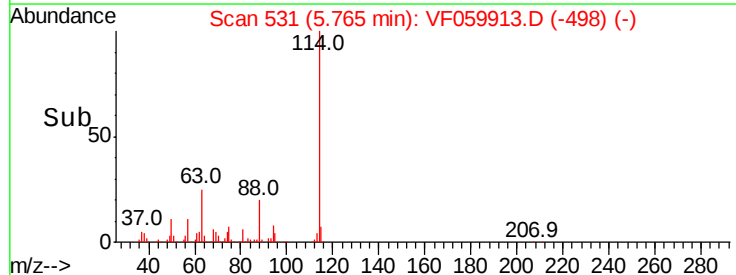
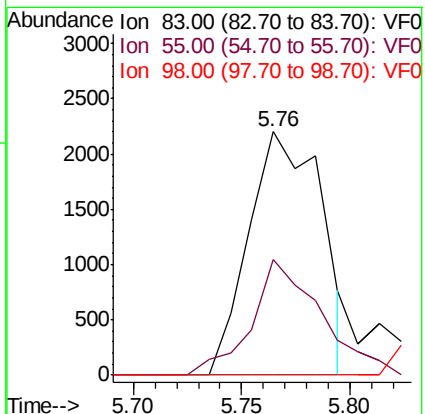
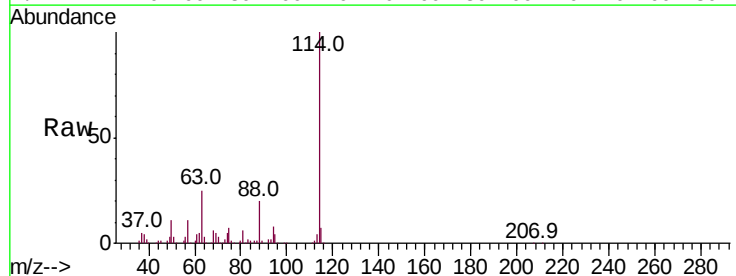
Tgt Ion: 83 Resp: 5207

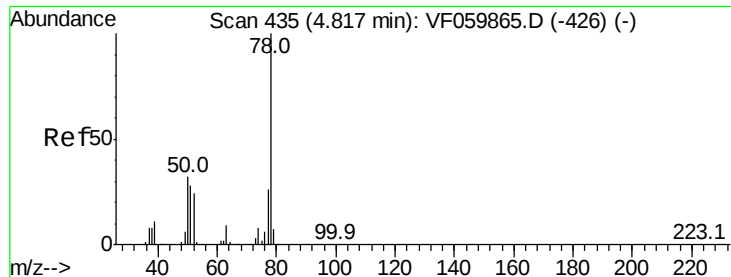
Ion Ratio Lower Upper

83 100

55 47.5 72.0 108.0#

98 0.0 36.6 54.8#





#40

Benzene

Concen: Below Cal

RT: 4.80 min Scan# 433

Delta R.T. -0.02 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

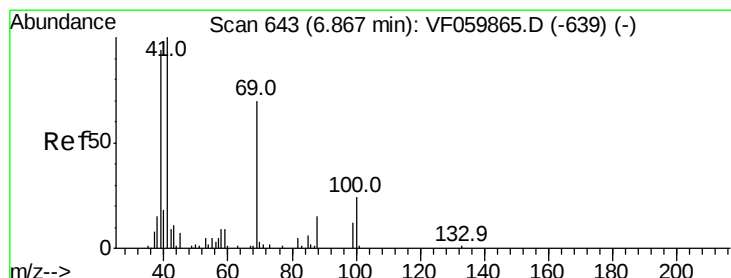
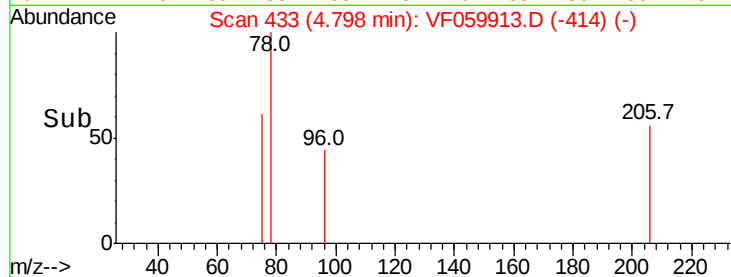
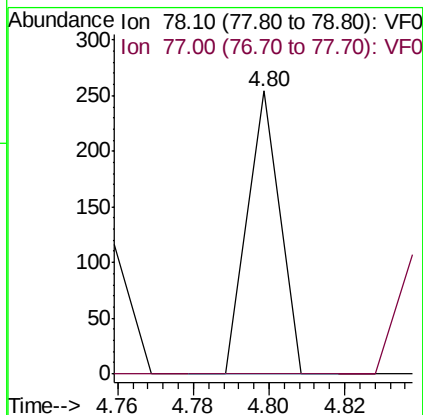
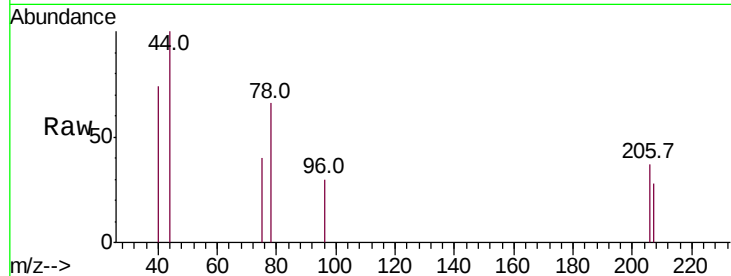
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 150

Ion Ratio Lower Upper

78 100

77 0.0 20.7 31.1#



#49

1,4-Dioxane

Concen: 89.670 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.04 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

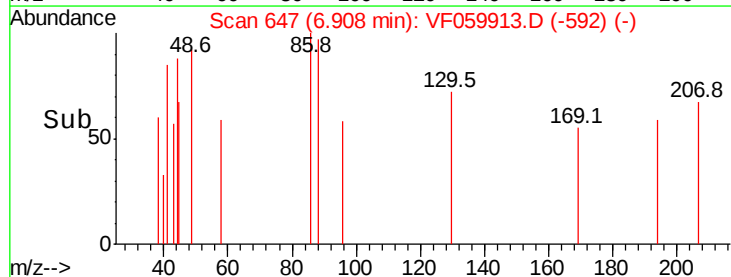
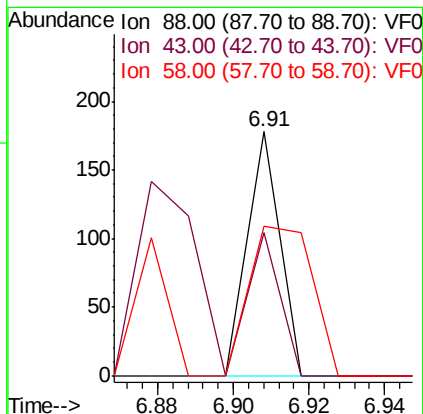
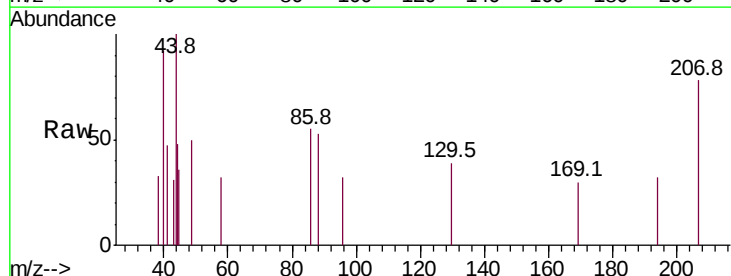
Tgt Ion: 88 Resp: 105

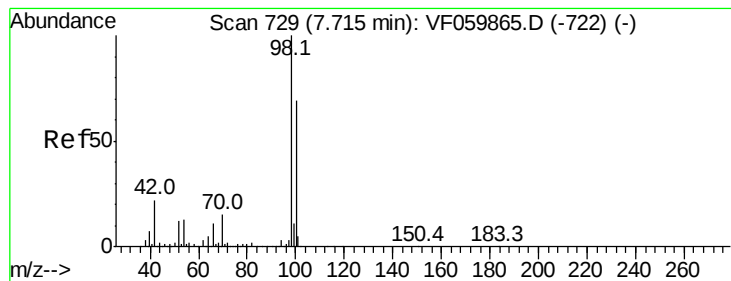
Ion Ratio Lower Upper

88 100

43 58.4 58.3 87.5

58 61.2 49.4 74.2





#50

Toluene-d8

Concen: 36.125 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Instrument :

MSVOA_F

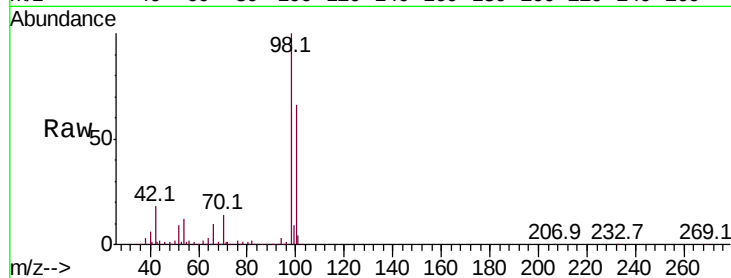
ClientSampled :

Tot Ion: 98 Resp: 279568

Ion Ratio Lower Upper

98 100

100 66.0 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

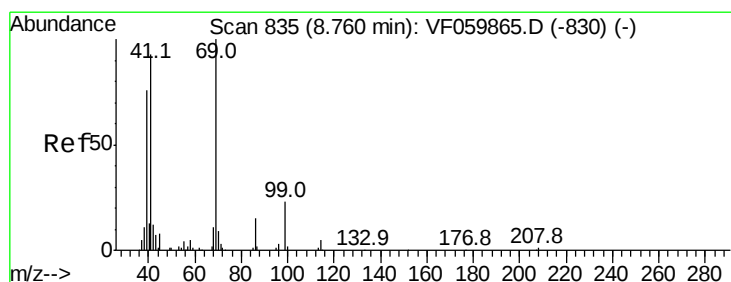
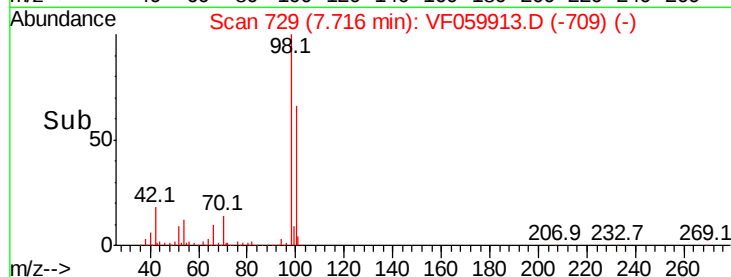
7.72

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 3.408 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

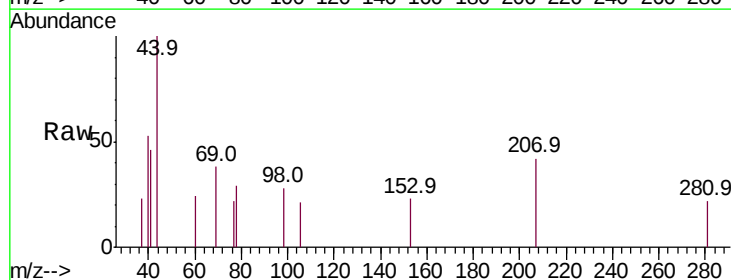
Tgt Ion: 69 Resp: 116

Ion Ratio Lower Upper

69 100

41 123.0 74.7 112.1#

39 0.0 61.1 91.7#



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

300

250

200

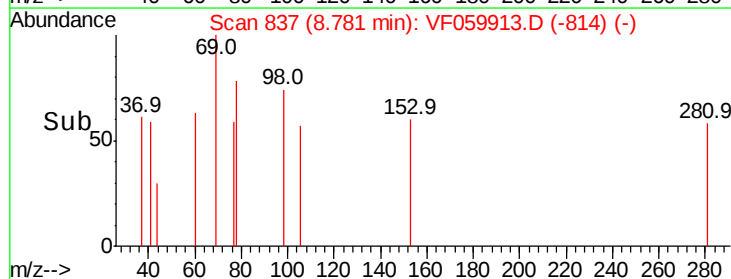
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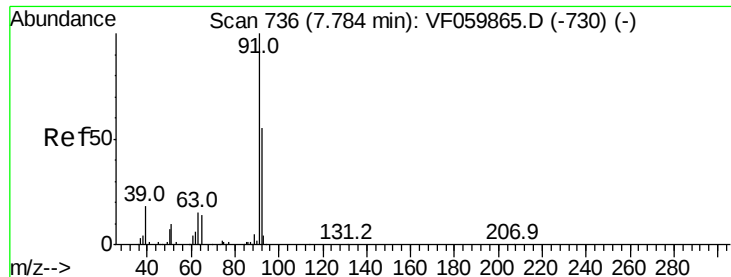
100

50

0

Time-->

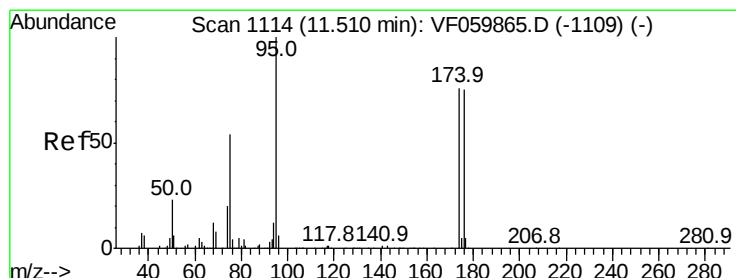
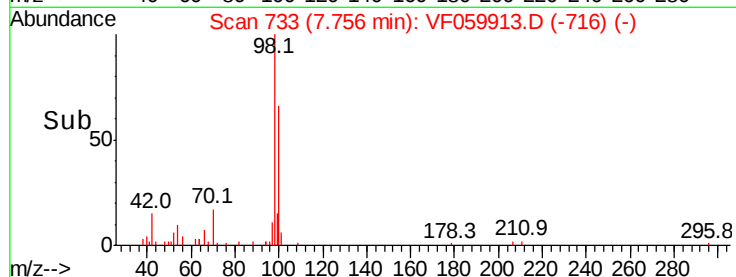
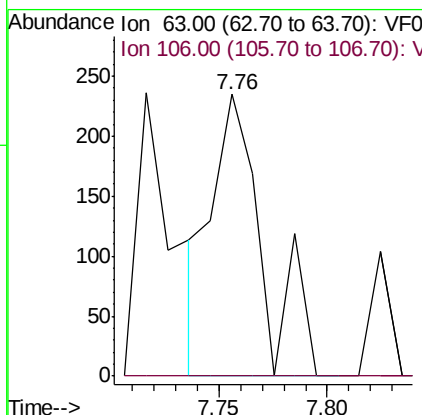
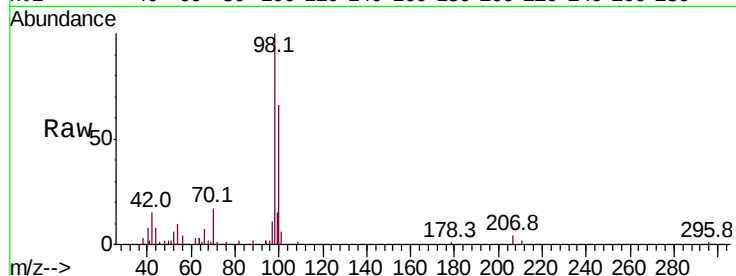




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.518 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.03 min
 Lab File: VF059913.D
 Acq: 7 Aug 2018 10:43

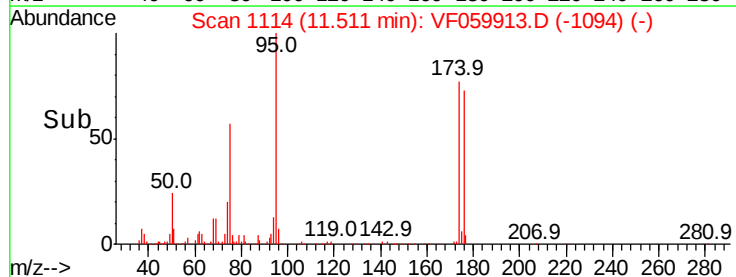
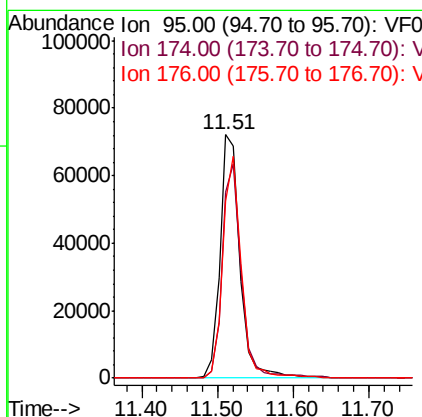
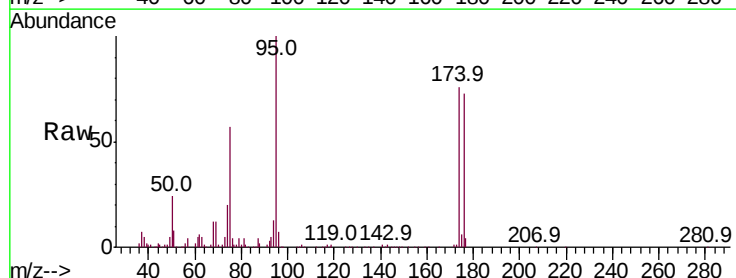
Instrument :
 MSVOA_F
 ClientSampleId :

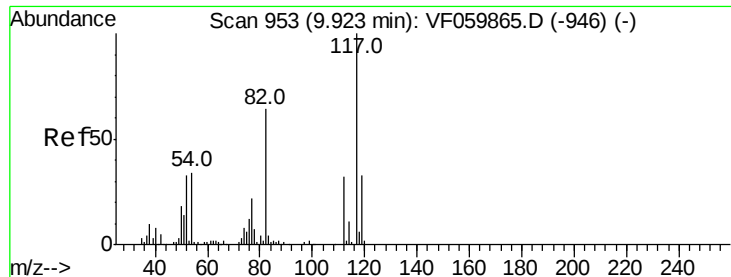
Tot Ion: 63 Resp: 386
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 30.762 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059913.D
 Acq: 7 Aug 2018 10:43

Tgt Ion: 95 Resp: 133775
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 151.6
 176 72.5 0.0 149.8

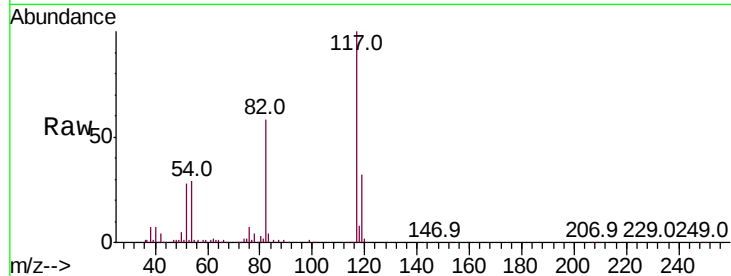




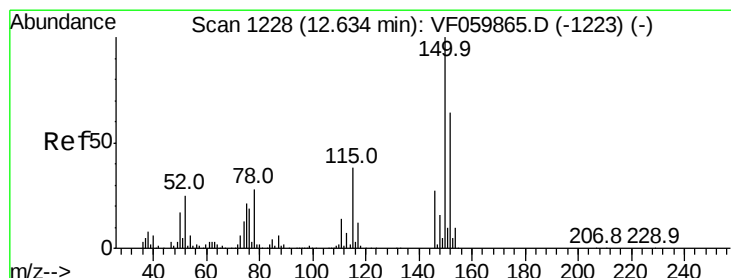
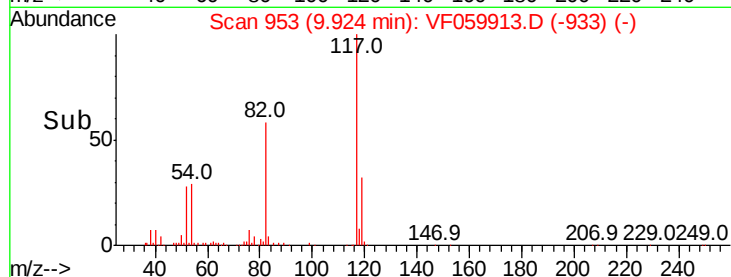
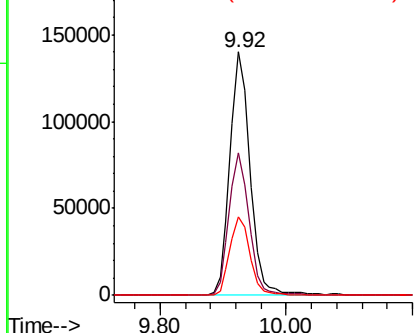
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059913.D
Acq: 7 Aug 2018 10:43

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 310675
Ion Ratio Lower Upper
117 100
82 58.4 51.3 76.9
119 32.0 26.4 39.6

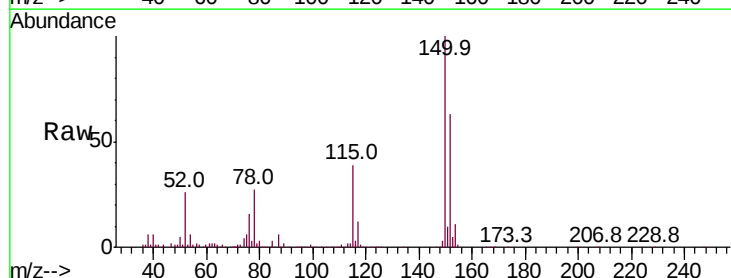


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

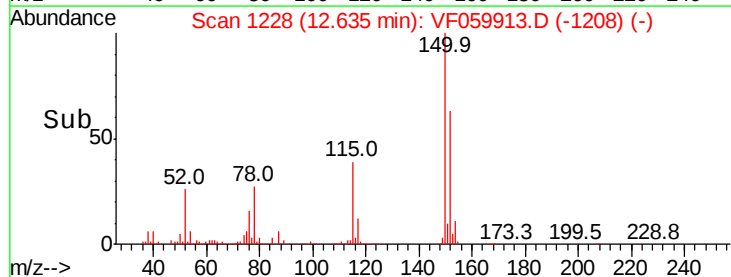
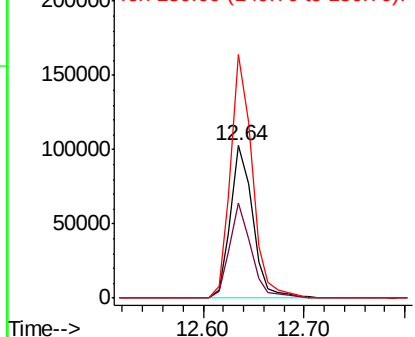


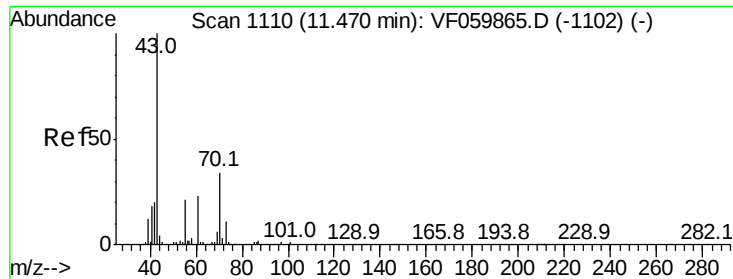
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059913.D
Acq: 7 Aug 2018 10:43

Tgt Ion:152 Resp: 159485
Ion Ratio Lower Upper
152 100
115 62.6 29.8 89.4
150 159.6 0.0 315.6



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





#74

N-amvl acetate

Concen: 3.460 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 1308

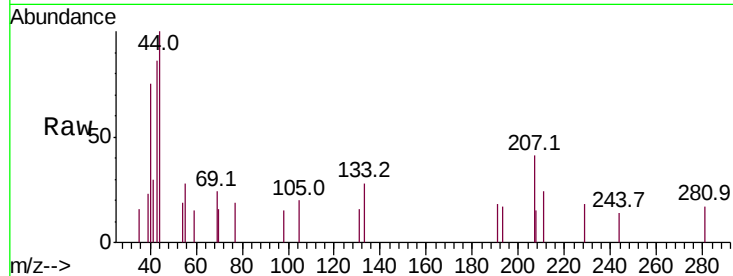
Ion Ratio Lower Upper

43 100

70 19.0 27.5 41.3#

55 32.5 16.6 25.0#

61 0.0 18.2 27.4#

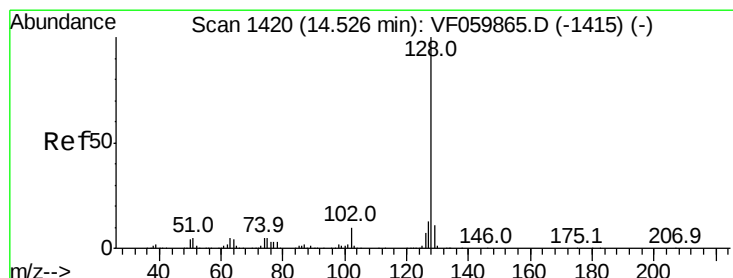
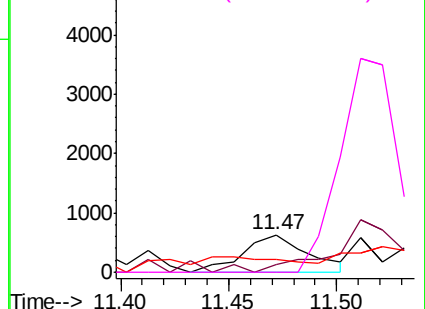
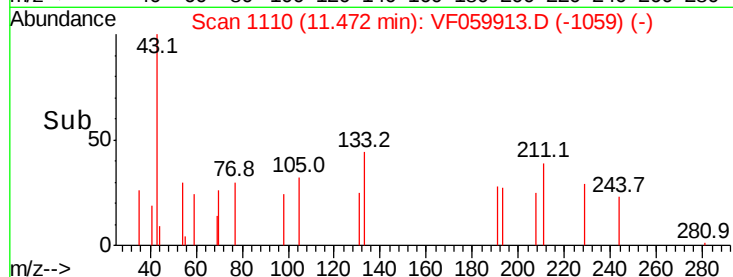


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#95

Naphthalene

Concen: 1.318 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

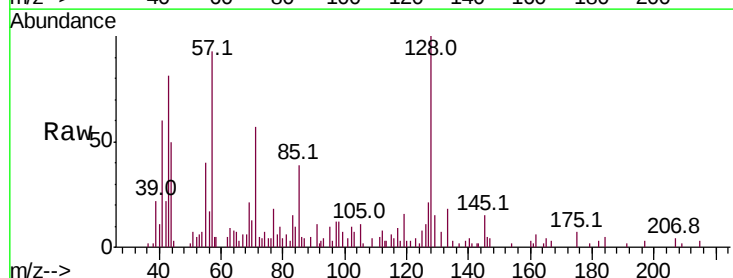
Tgt Ion:128 Resp: 8531

Ion Ratio Lower Upper

128 100

127 20.8 10.4 15.6#

129 14.7 9.0 13.6#



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

