

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059916.D
 Acq On : 7 Aug 2018 12:07
 Operator : VA/AP
 Sample : J4277-01RE
 Misc : 6.69g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 13:21:27 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	5.05	168	268099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	412808	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	350624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	186085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	150484	31.13	ug/l	0.00
Spiked Amount			Recovery	=	62.26%	
35) Dibromofluoromethane	4.29	113	138301	33.67	ug/l	0.00
Spiked Amount			Recovery	=	67.34%	
50) Toluene-d8	7.71	98	272891	31.23	ug/l	0.00
Spiked Amount			Recovery	=	62.46%	
62) 4-Bromofluorobenzene	11.52	95	136675	27.83	ug/l	0.00
Spiked Amount			Recovery	=	55.66%	

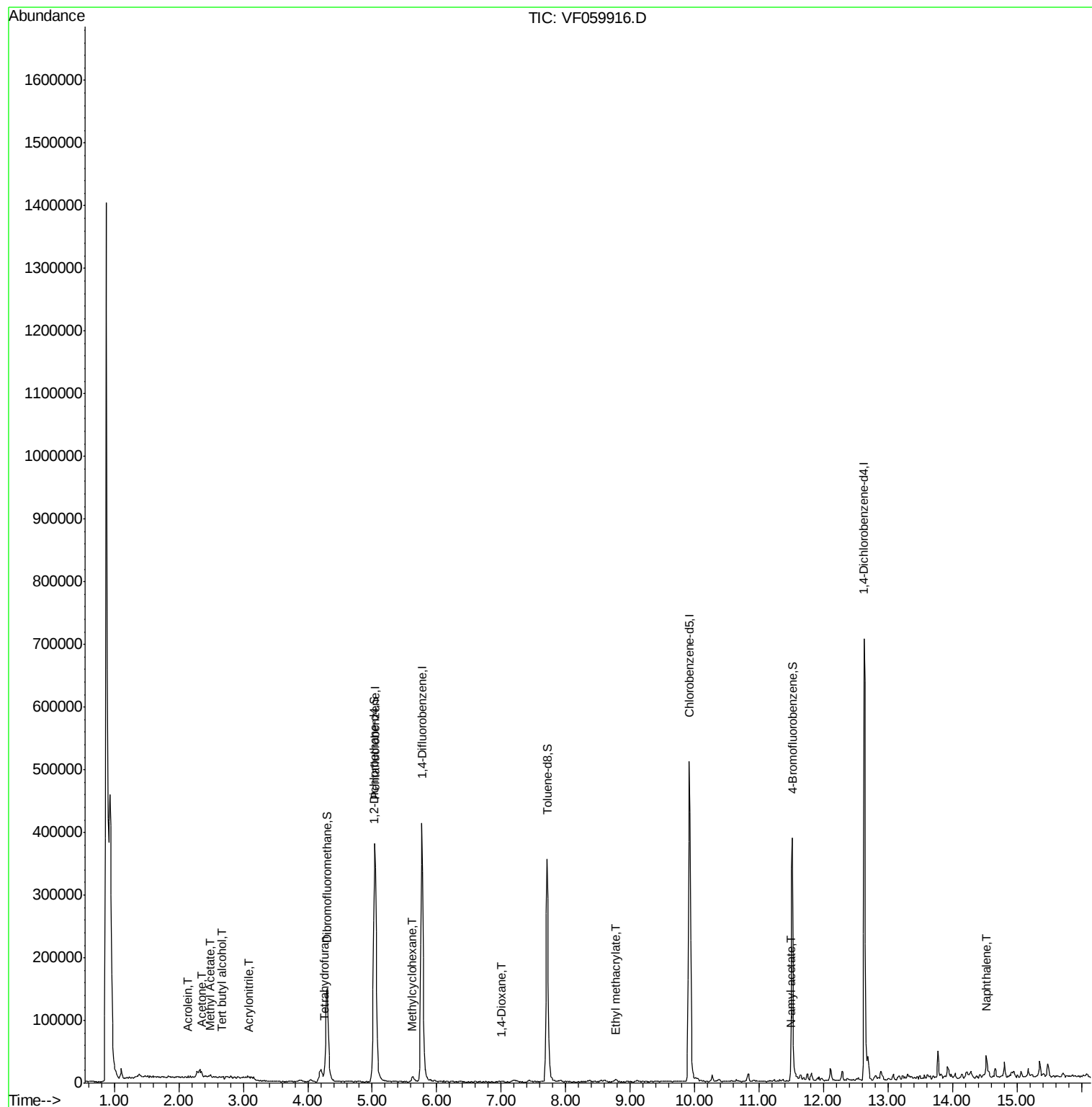
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	757	3.883	ug/l #	74
13) Acrolein	2.13	56	418	3.578	ug/l	85
15) Acrylonitrile	3.09	53	496	1.388	ug/l #	28
16) Acetone	2.35	43	2924	3.277	ug/l #	68
18) Methyl Acetate	2.50	43	3224	2.142	ug/l	93
20) Methylene Chloride	2.32	84	6655	Below Cal		91
29) Tetrahydrofuran	4.25	42	654	1.831	ug/l #	60
39) Methylcyclohexane	5.63	83	5068	1.415	ug/l	96
40) Benzene	4.79	78	273	Below Cal	#	49
49) 1,4-Dioxane	6.99	88	64	85.417	ug/l #	5
56) Ethyl methacrylate	8.77	69	1736	4.037	ug/l #	63
74) N-amyl acetate	11.48	43	265	3.046	ug/l #	23
95) Naphthalene	14.52	128	17546	2.323	ug/l	99

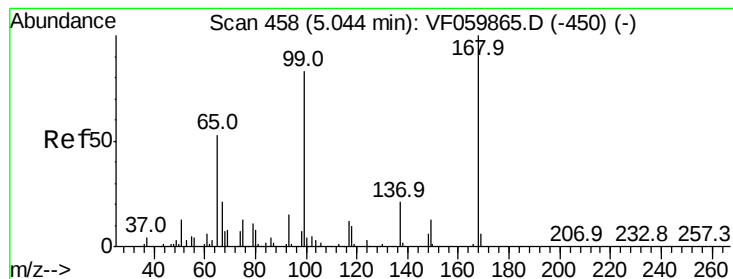
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080718\
Data File : VF059916.D
Acq On : 7 Aug 2018 12:07
Operator : VA/AP
Sample : J4277-01RE
Misc : 6.69g/5mL/MSVOA F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 07 13:21:27 2018
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: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

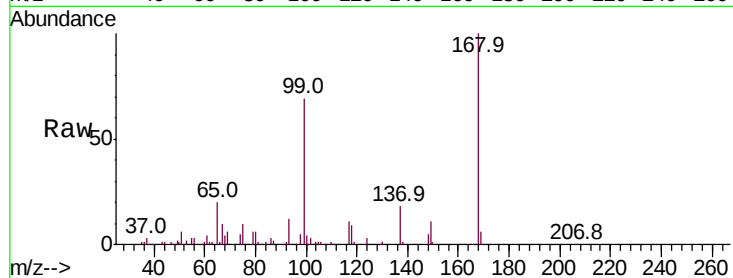
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 268099

Ion Ratio Lower Upper

168 100

99 68.6 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

40000

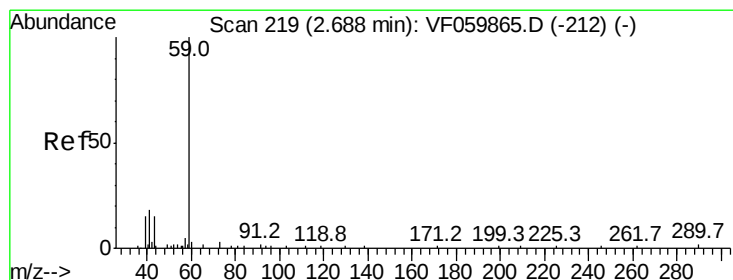
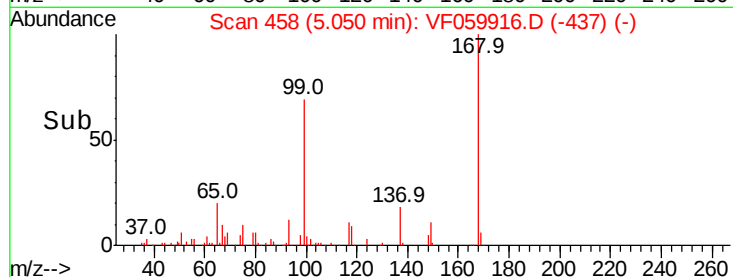
20000

0

5.05

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 3.883 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.00 min

Lab File: VF059916.D

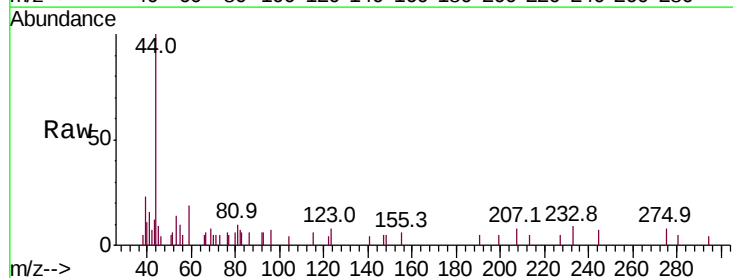
Acq: 7 Aug 2018 12:07

Tgt Ion: 59 Resp: 757

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

500

400

300

200

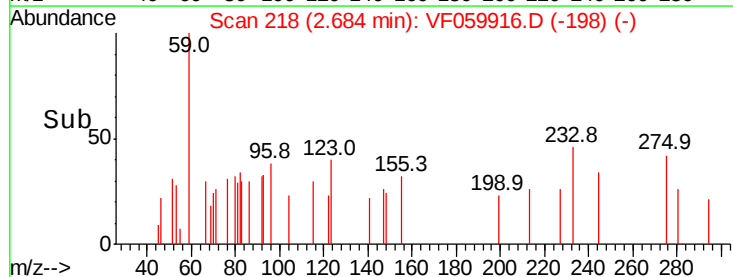
100

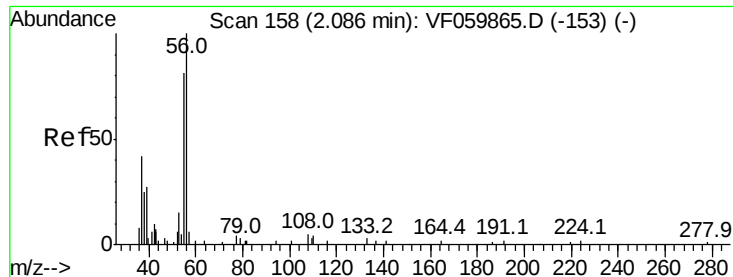
0

2.68

2.64 2.66 2.68 2.70 2.72

Time-->





#13

Acrolein

Concen: 3.578 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.05 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

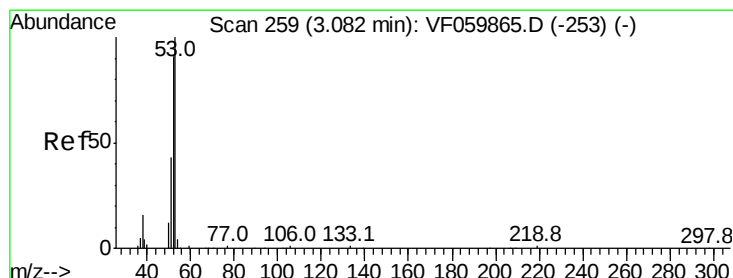
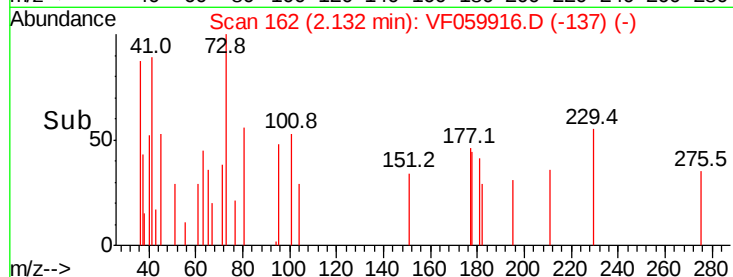
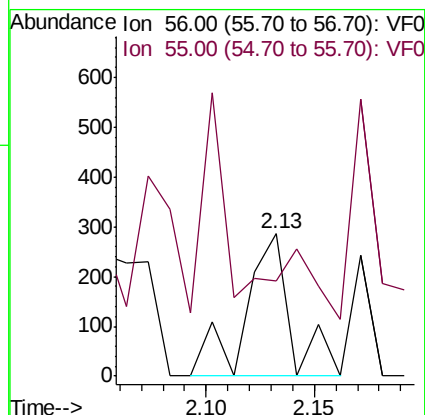
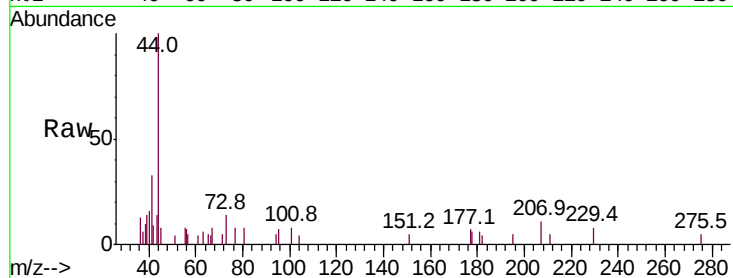
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 418

Ion Ratio Lower Upper

56 100

55 67.1 64.6 96.8



#15

Acrylonitrile

Concen: 1.388 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

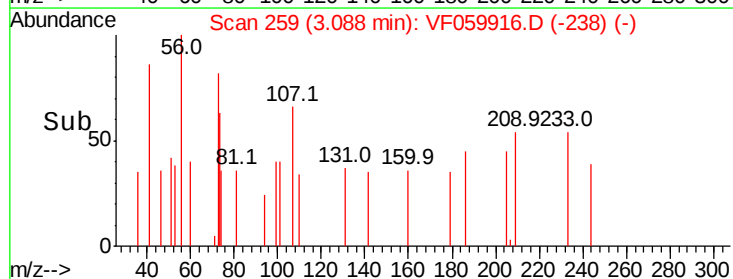
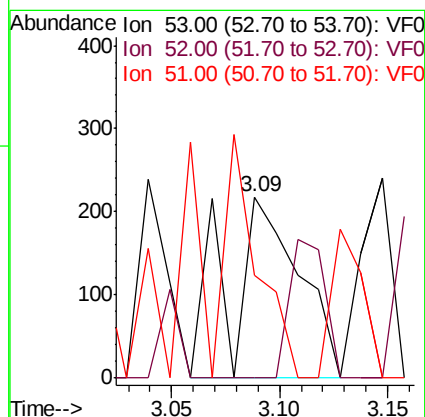
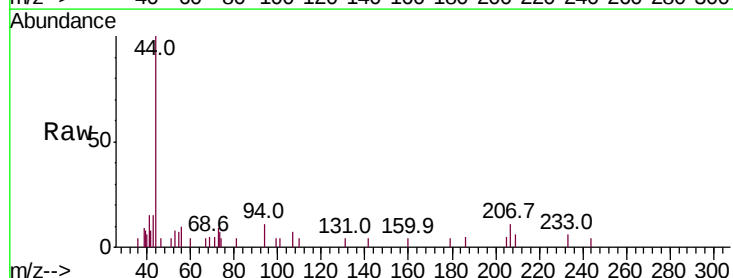
Tgt Ion: 53 Resp: 496

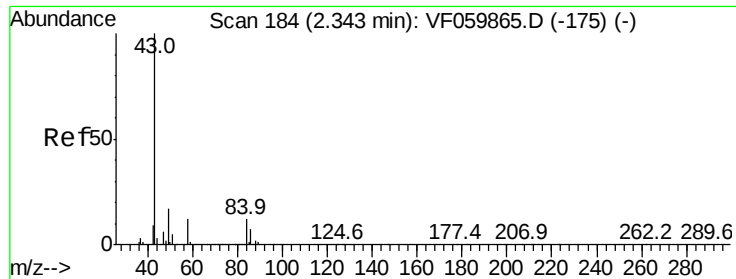
Ion Ratio Lower Upper

53 100

52 0.0 72.9 109.3#

51 56.4 34.5 51.7#

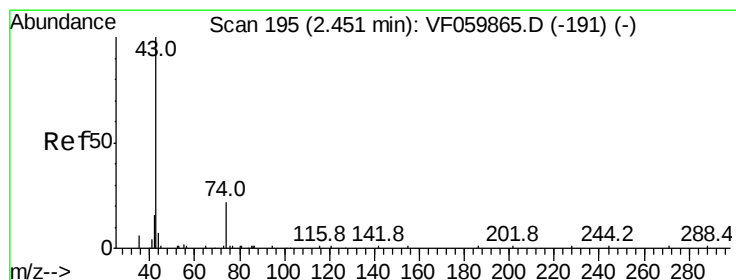
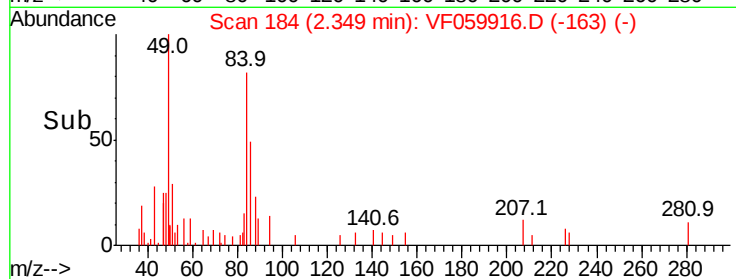
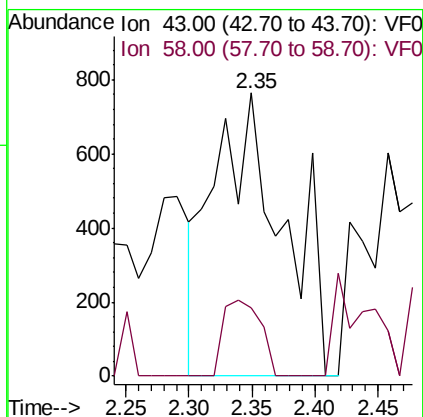
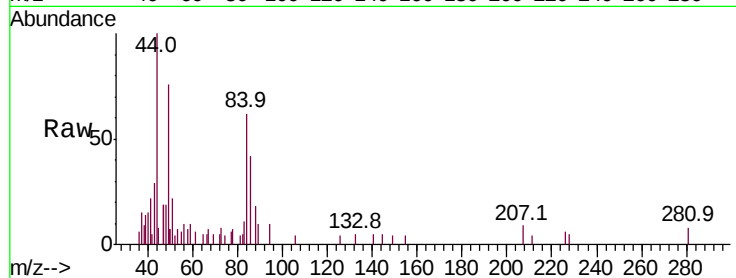




#16
Acetone
Concen: 3.277 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059916.D
Acq: 7 Aug 2018 12:07

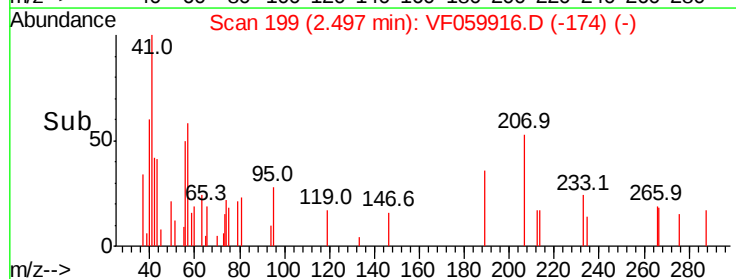
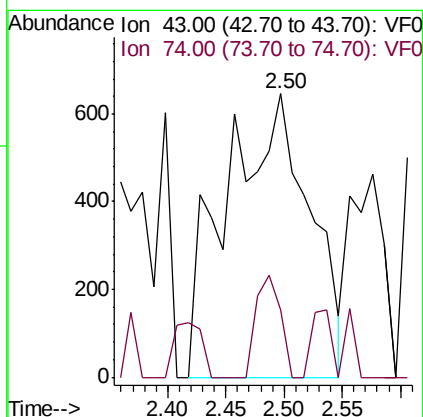
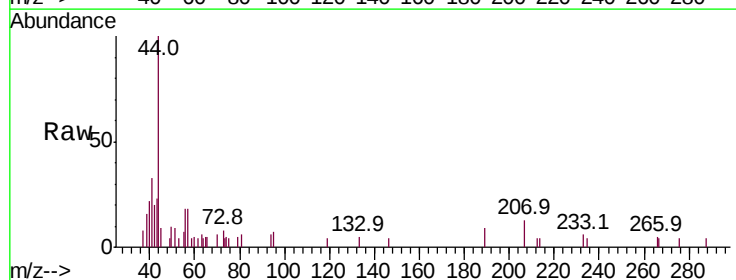
Instrument :
MSVOA_F
ClientSampled :

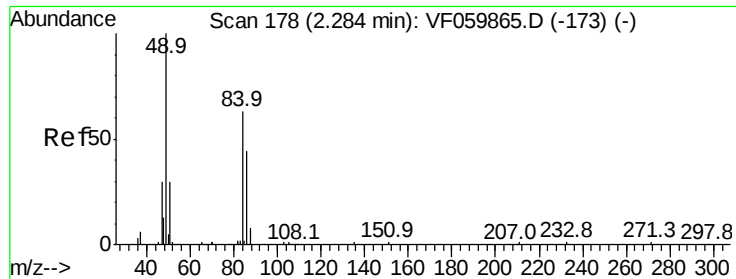
Tot Ion: 43 Resp: 2924
Ion Ratio Lower Upper
43 100
58 24.0 9.4 14.0#



#18
Methyl Acetate
Concen: 2.142 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.05 min
Lab File: VF059916.D
Acq: 7 Aug 2018 12:07

Tgt Ion: 43 Resp: 3224
Ion Ratio Lower Upper
43 100
74 23.7 16.3 24.5





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.32 min Scan# 181

Delta R.T. 0.04 min

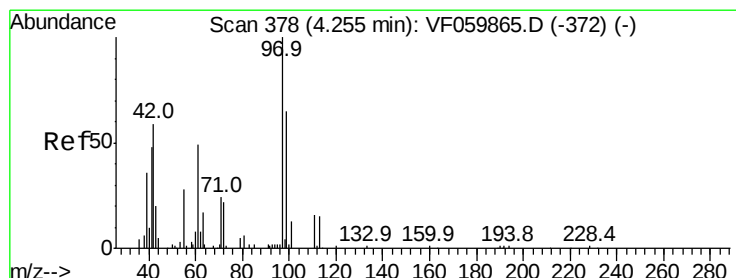
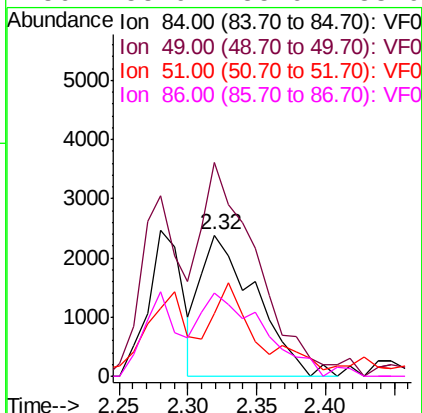
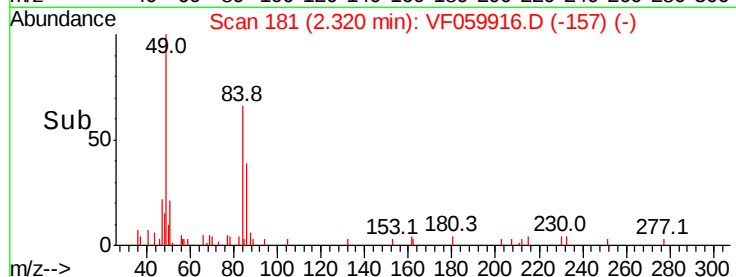
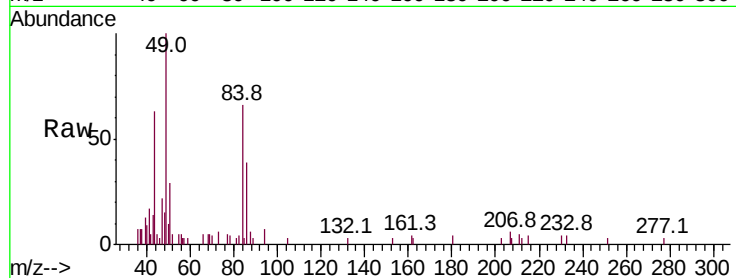
Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 6655

Ion	Ratio	Lower	Upper
84	100		
49	151.4	128.7	193.1
51	44.3	39.3	58.9
86	58.9	55.9	83.9



#29

Tetrahydrofuran

Concen: 1.831 ug/l

RT: 4.25 min Scan# 377

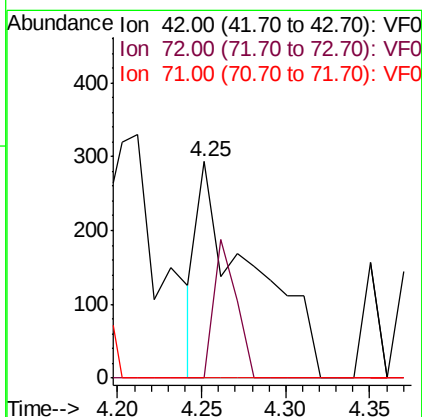
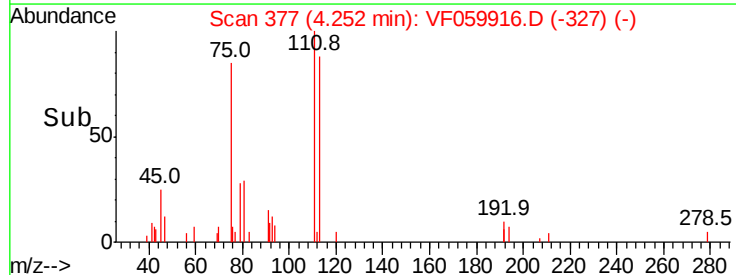
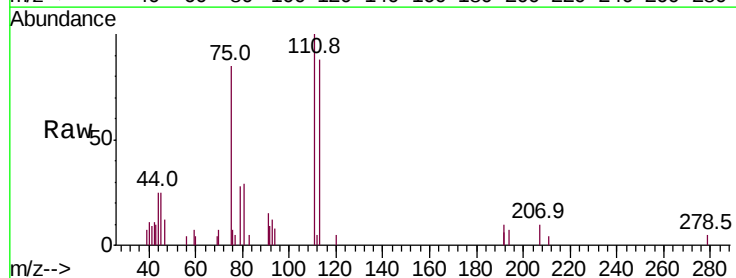
Delta R.T. -0.00 min

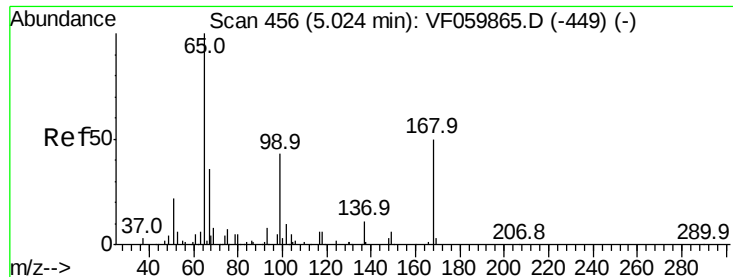
Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Tgt Ion: 42 Resp: 654

Ion	Ratio	Lower	Upper
42	100		
72	26.5	29.3	43.9#
71	0.0	30.0	45.0#

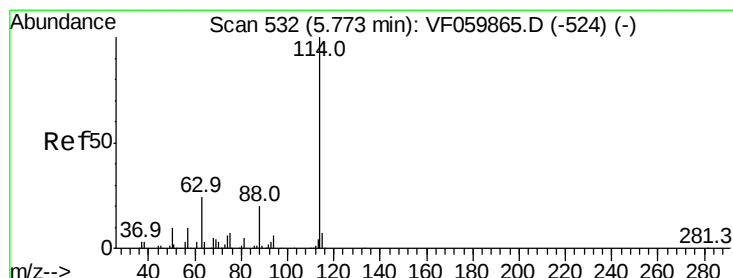
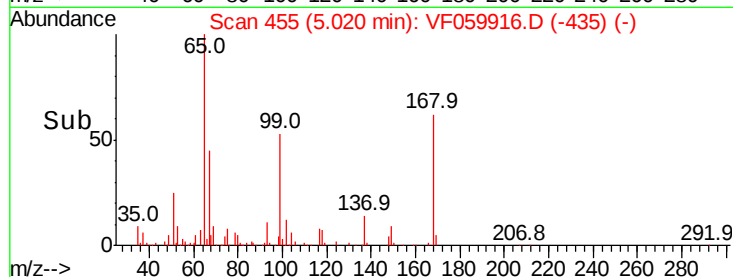
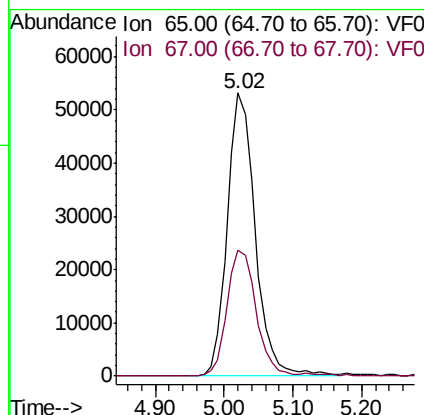
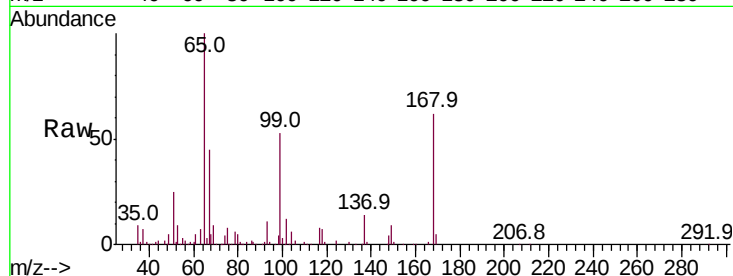




#33
 1,2-Dichloroethane-d4
 Concen: 31.134 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059916.D
 Acq: 7 Aug 2018 12:07

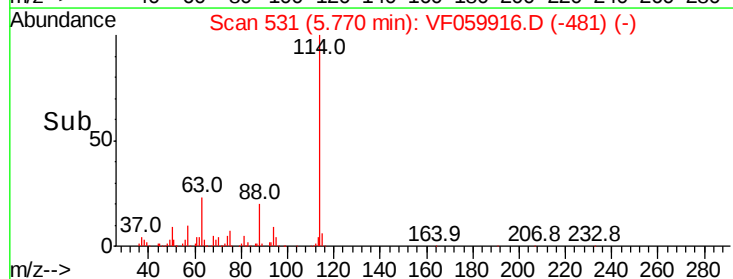
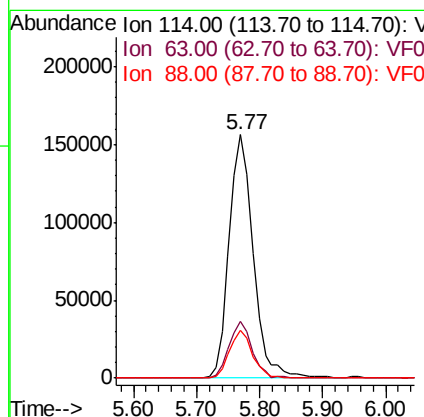
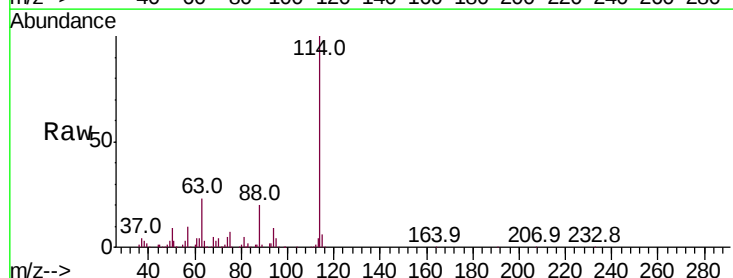
Instrument :
 MSVOA_F
 ClientSampled :

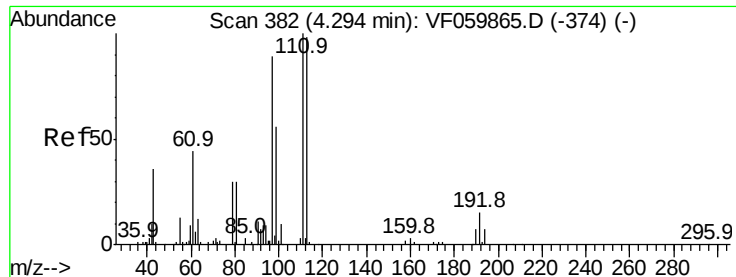
Tot Ion: 65 Resp: 150484
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059916.D
 Acq: 7 Aug 2018 12:07

Tgt Ion:114 Resp: 412808
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.0
 88 19.8 0.0 39.4





#35

Dibromofluoromethane

Concen: 33.672 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Instrument :
MSVOA_F
ClientSampleId :

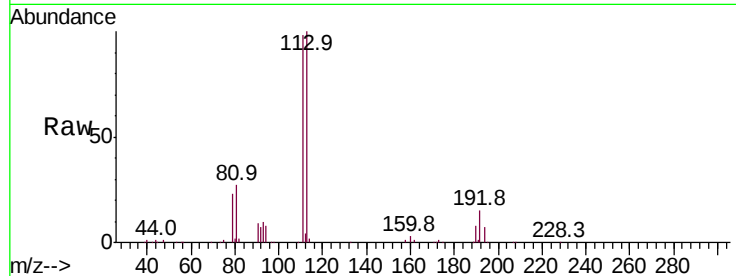
Tot Ion:113 Resp: 138301

Ion Ratio Lower Upper

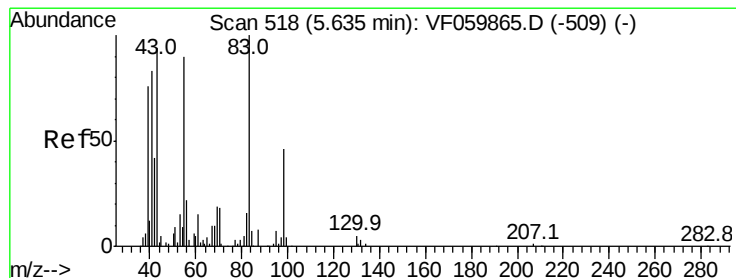
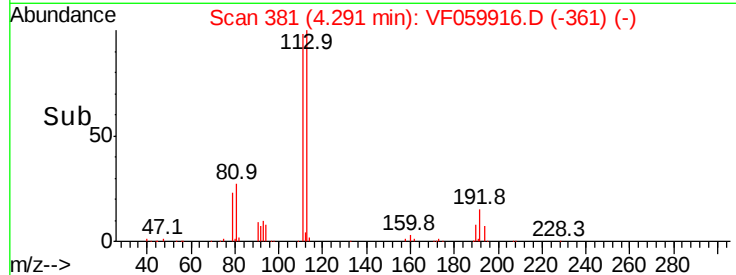
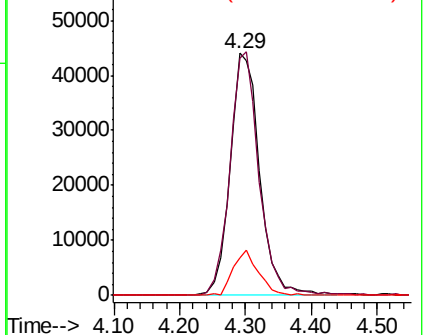
113 100

111 98.1 81.8 122.8

192 15.4 12.4 18.6



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



#39

Methylcyclohexane

Concen: 1.415 ug/l

RT: 5.63 min Scan# 517

Delta R.T. -0.00 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

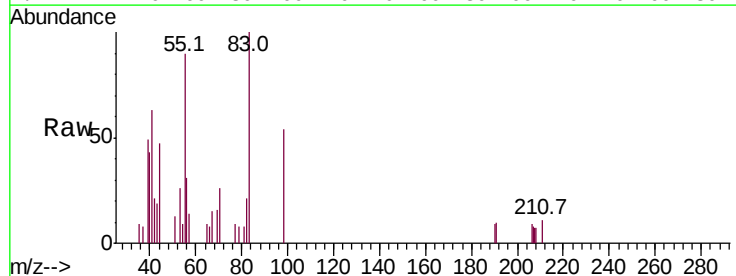
Tgt Ion: 83 Resp: 5068

Ion Ratio Lower Upper

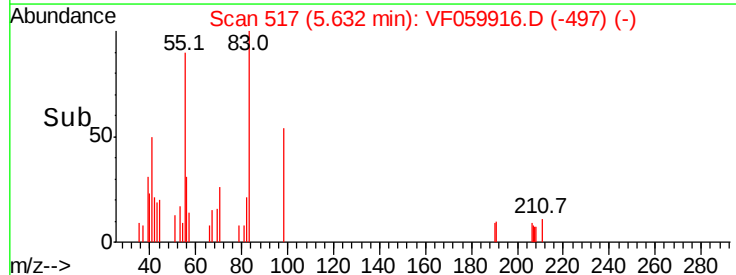
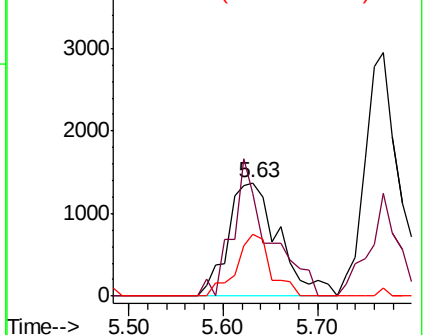
83 100

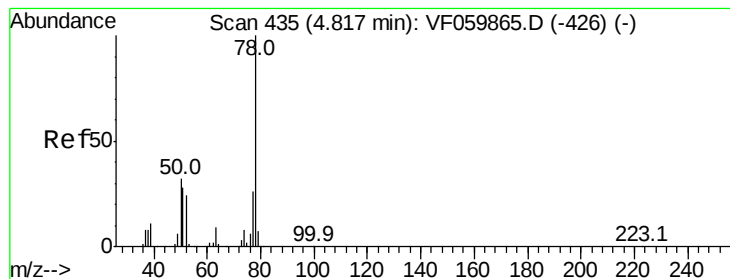
55 90.2 72.0 108.0

98 54.2 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: Below Cal

RT: 4.79 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

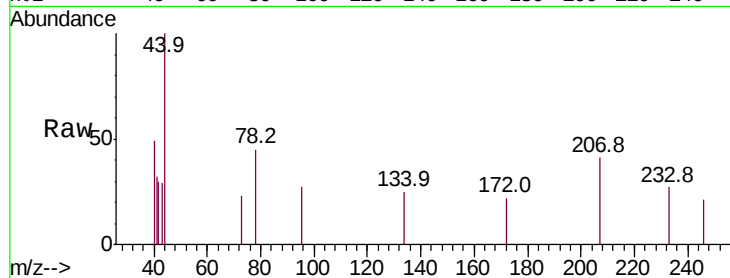
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 273

Ion Ratio Lower Upper

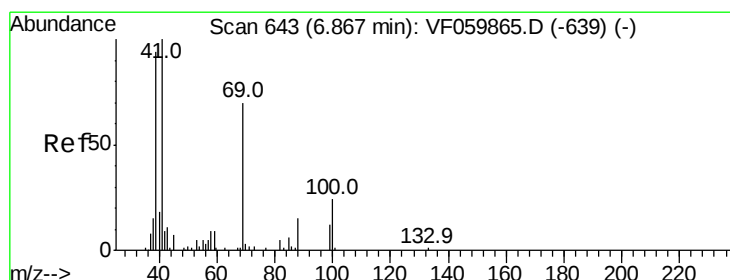
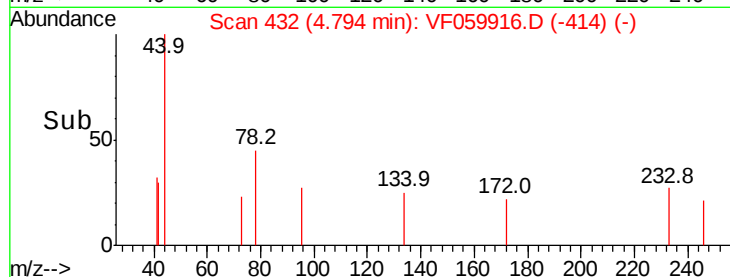
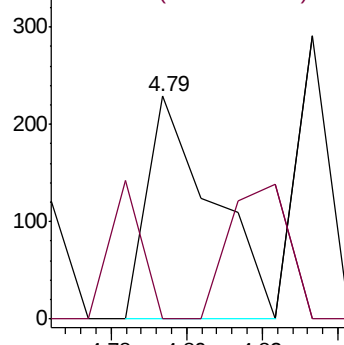
78 100

77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#49

1,4-Dioxane

Concen: 85.417 ug/l

RT: 6.99 min Scan# 655

Delta R.T. 0.12 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

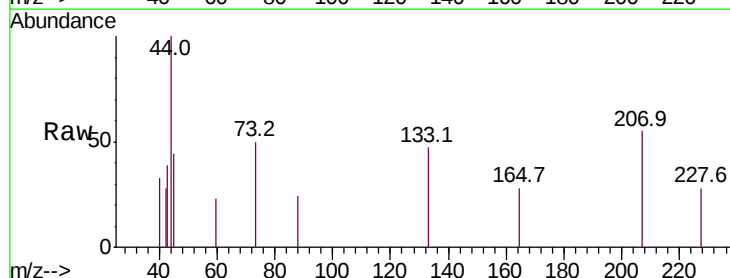
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 162.4 58.3 87.5#

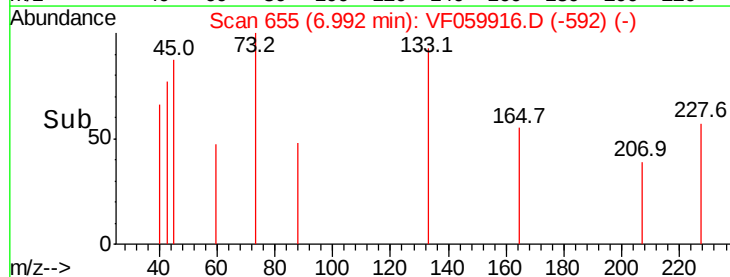
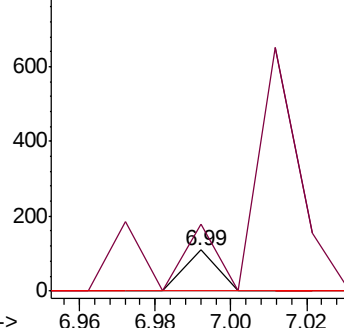
58 0.0 49.4 74.2#

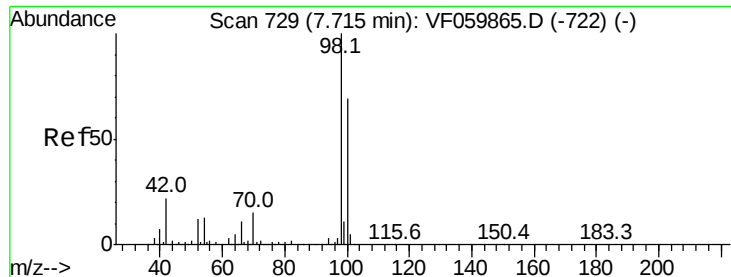


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 31.227 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Instrument :

MSVOA_F

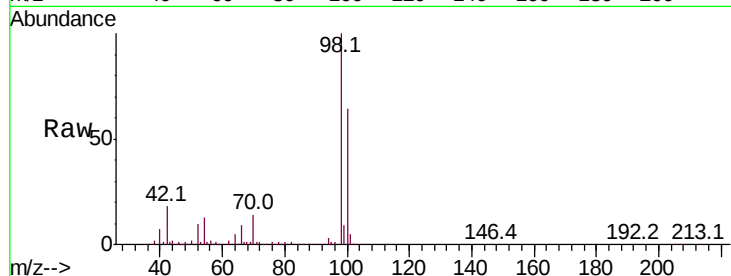
ClientSampled :

Tot Ion: 98 Resp: 272891

Ion Ratio Lower Upper

98 100

100 64.4 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

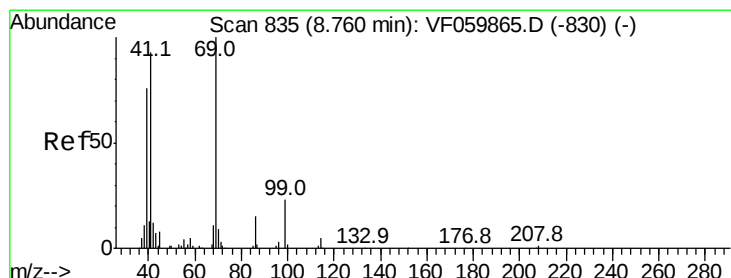
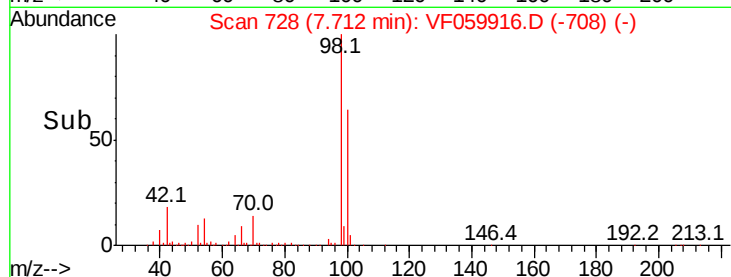
100000

50000

0

Time-->

7.60 7.70 7.80



#56

Ethyl methacrylate

Concen: 4.037 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

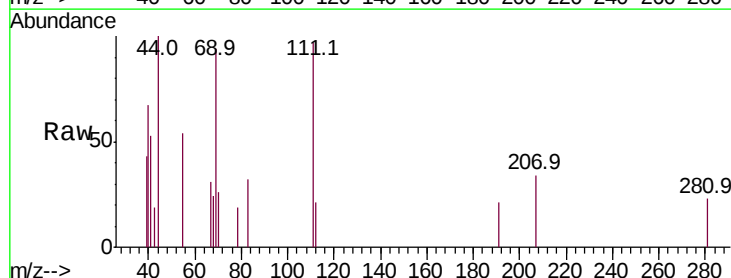
Tgt Ion: 69 Resp: 1736

Ion Ratio Lower Upper

69 100

41 56.2 74.7 112.1#

39 46.3 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

800

600

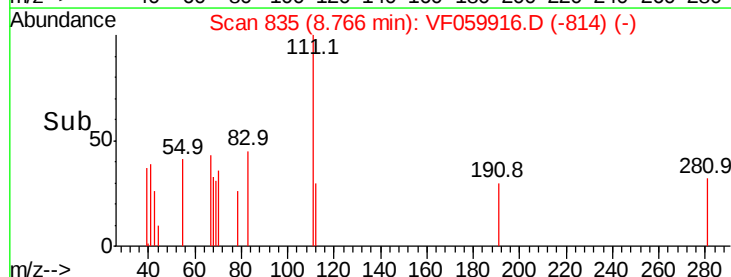
400

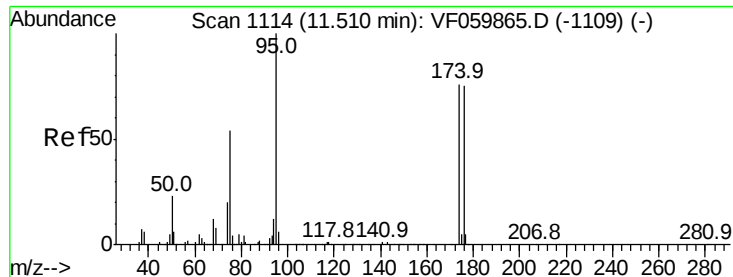
200

0

Time-->

8.65 8.70 8.75 8.80 8.85





#62

4-Bromofluorobenzene

Concen: 27.832 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Instrument :

MSVOA_F

ClientSampleId :

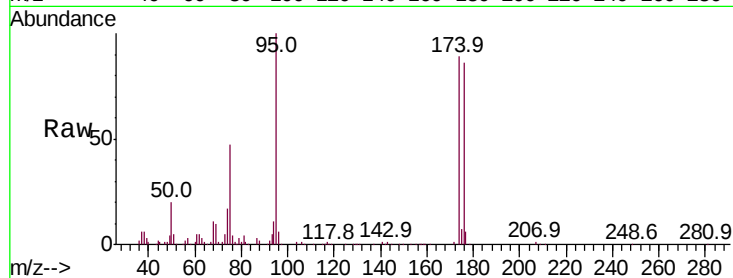
Tot Ion: 95 Resp: 136675

Ion Ratio Lower Upper

95 100

174 88.7 0.0 151.6

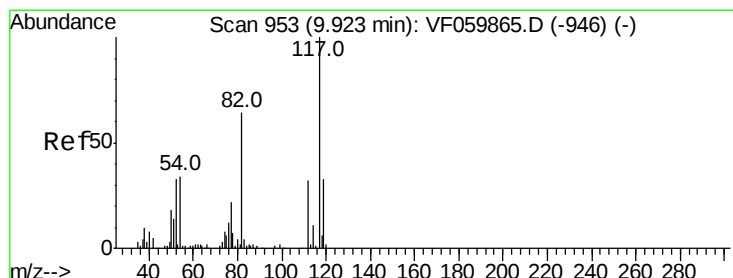
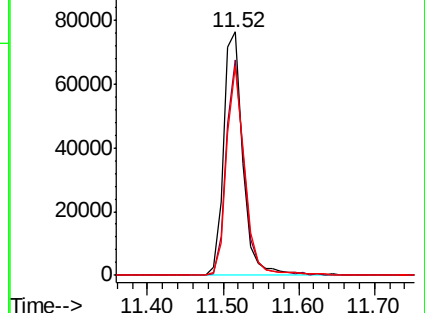
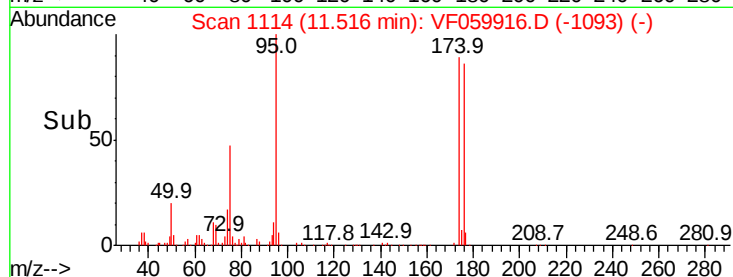
176 85.8 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

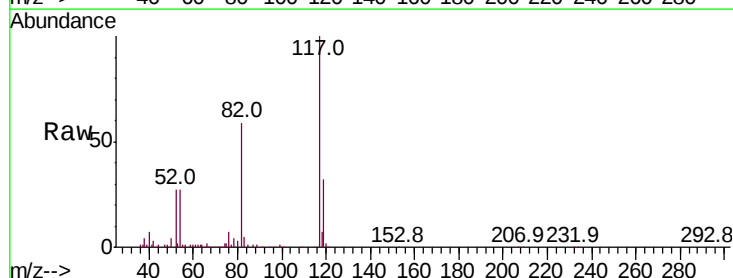
Tgt Ion: 117 Resp: 350624

Ion Ratio Lower Upper

117 100

82 59.4 51.3 76.9

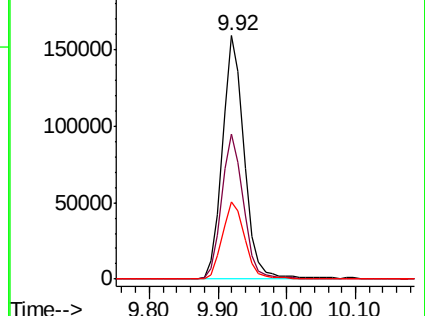
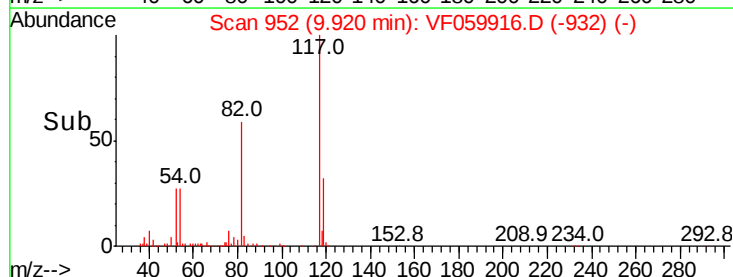
119 31.7 26.4 39.6

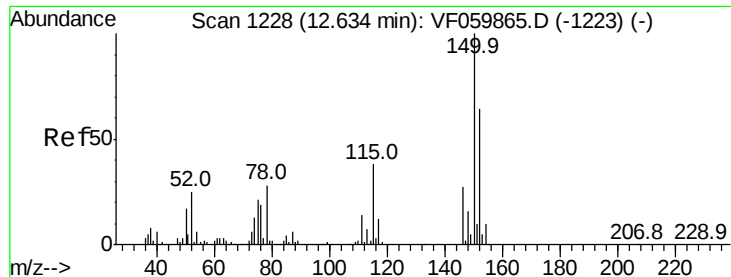


Abundance Ion 117.00 (116.70 to 117.70): V

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. 0.01 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Instrument :

MSVOA_F

ClientSampled :

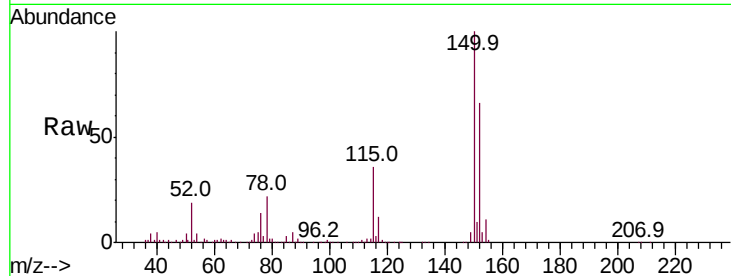
Tot Ion:152 Resp: 186085

Ion Ratio Lower Upper

152 100

115 54.1 29.8 89.4

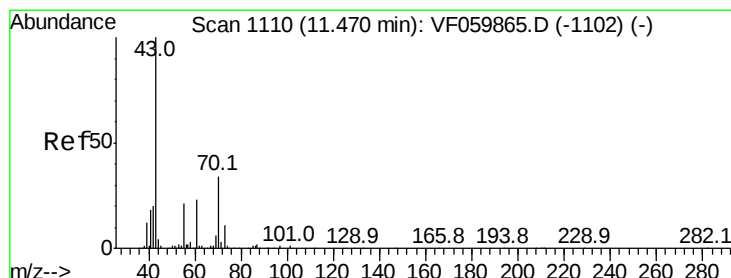
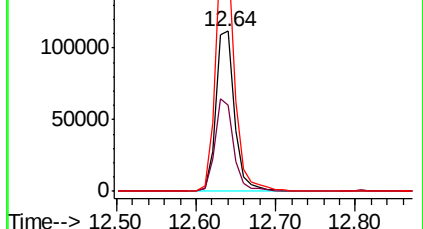
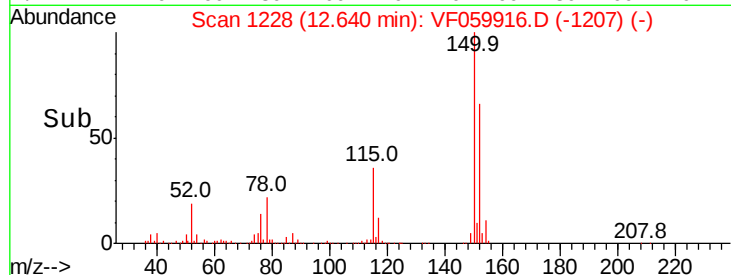
150 151.1 0.0 315.6



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-ethyl acetate

Concen: 3.046 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Tgt Ion: 43 Resp: 265

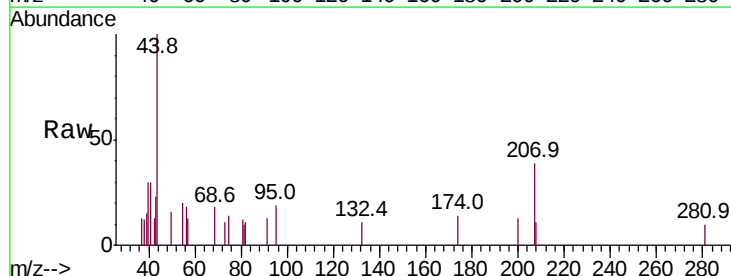
Ion Ratio Lower Upper

43 100

70 0.0 27.5 41.3#

55 85.5 16.6 25.0#

61 0.0 18.2 27.4#

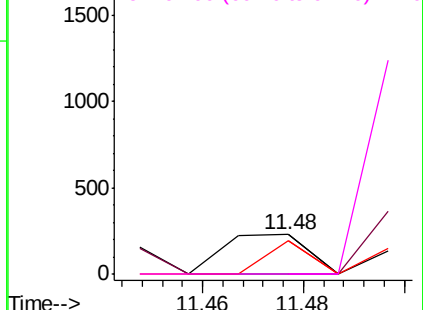
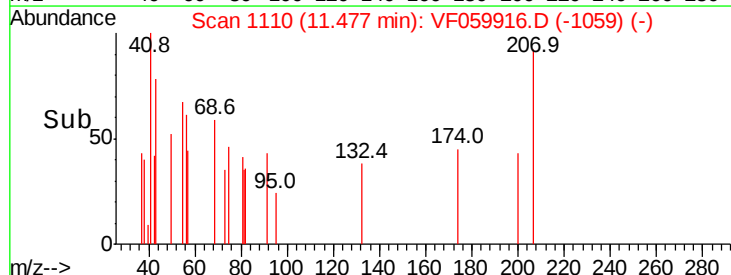


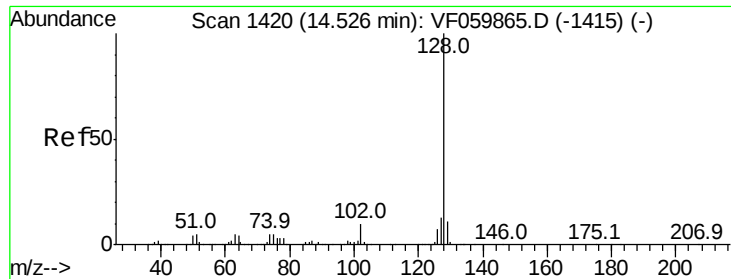
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 2.323 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059916.D

Acq: 7 Aug 2018 12:07

Instrument :

MSVOA_F

ClientSampleId :

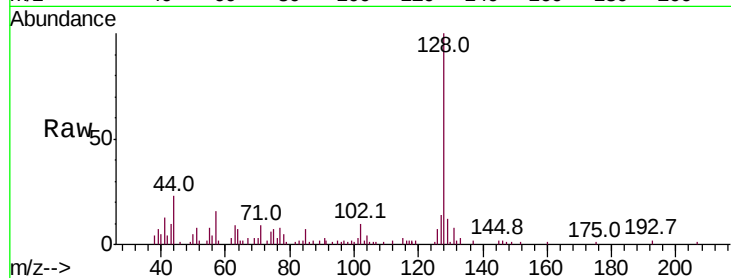
Tot Ion:128 Resp: 17546

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.7 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

