

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059920.D
 Acq On : 7 Aug 2018 13:58
 Operator : VA/AP
 Sample : J4345-01RE
 Misc : 5.17g/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 15:30:32 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	207316	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	310511	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	298208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	181536	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	147248	39.40	ug/l	0.00
Spiked Amount			Recovery	=	78.80%	
35) Dibromofluoromethane	4.31	113	120419	38.98	ug/l	0.01
Spiked Amount			Recovery	=	77.96%	
50) Toluene-d8	7.72	98	233722	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	
62) 4-Bromofluorobenzene	11.52	95	131153	35.51	ug/l	0.01
Spiked Amount			Recovery	=	71.02%	

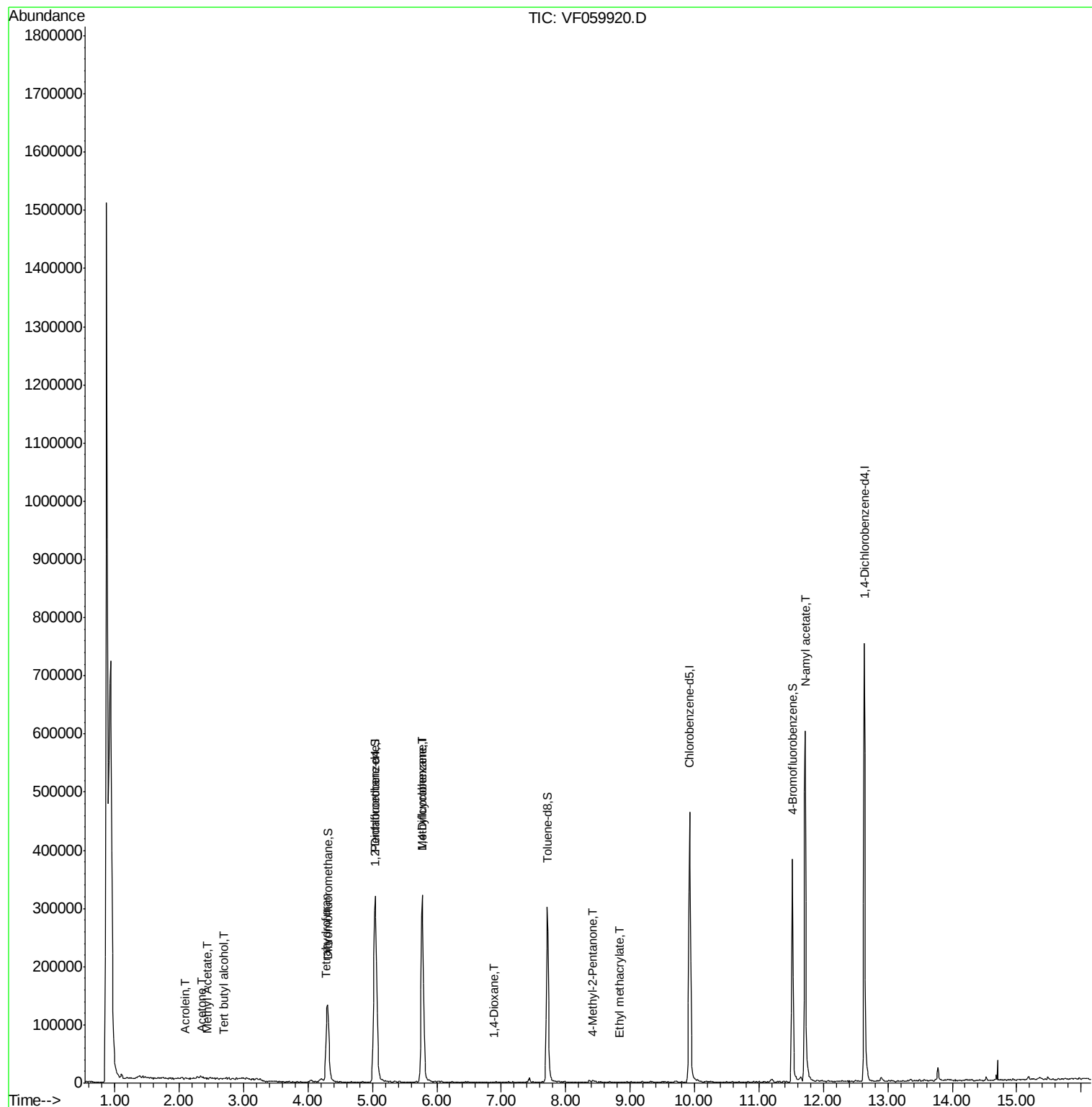
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	612	4.059	ug/l #	74
13) Acrolein	2.10	56	134	1.483	ug/l #	9
16) Acetone	2.35	43	1518	2.200	ug/l #	76
18) Methyl Acetate	2.44	43	4127	3.546	ug/l #	91
20) Methylene Chloride	2.27	84	1579	Below Cal	#	59
29) Tetrahydrofuran	4.28	42	311	1.126	ug/l #	57
39) Methylcyclohexane	5.77	83	5372	1.994	ug/l #	37
40) Benzene	4.82	78	293	Below Cal	#	49
49) 1,4-Dioxane	6.88	88	64	87.061	ug/l #	16
51) 4-Methyl-2-Pentanone	8.42	43	3215	1.980	ug/l #	70
56) Ethyl methacrylate	8.83	69	86	3.401	ug/l #	7
74) N-amyl acetate	11.72	43	390045	134.108	ug/l #	52

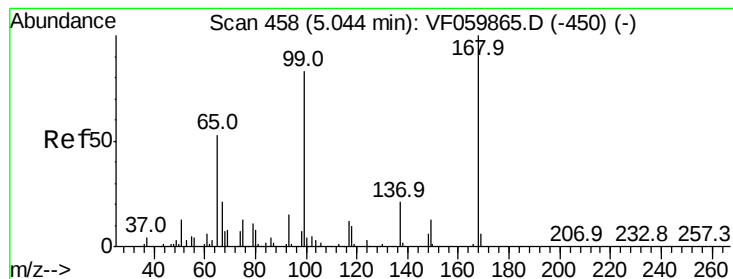
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 15:30:32 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# 459

Delta R.T. 0.01 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

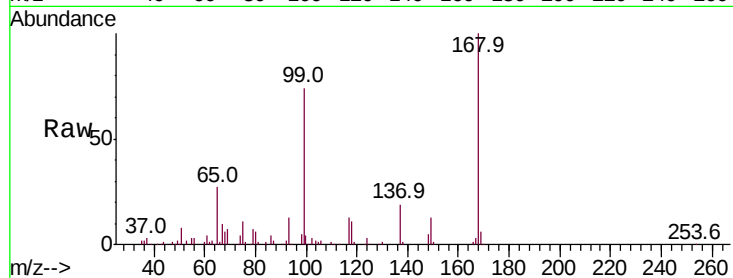
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 207316

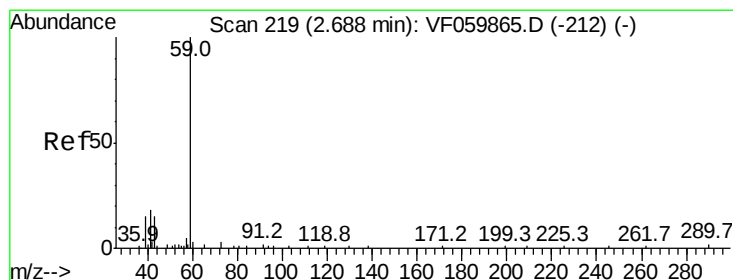
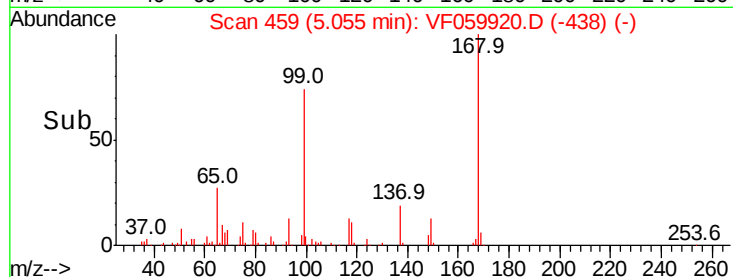
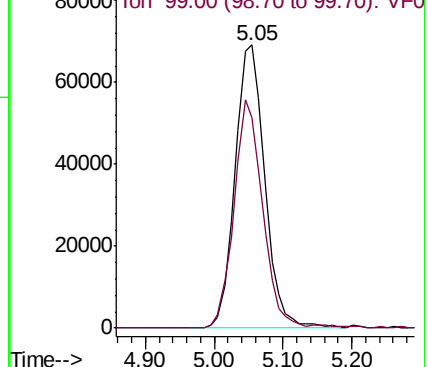
Ion Ratio Lower Upper

168 100

99 74.3 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 4.059 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF059920.D

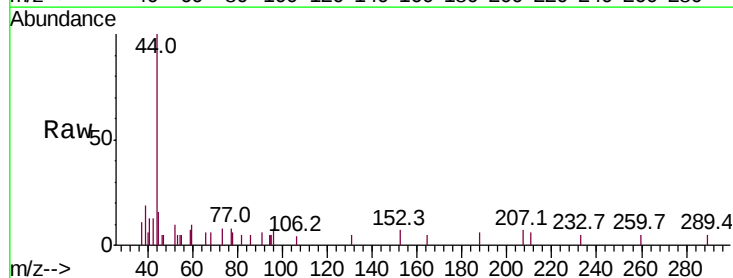
Acq: 7 Aug 2018 13:58

Tgt Ion: 59 Resp: 612

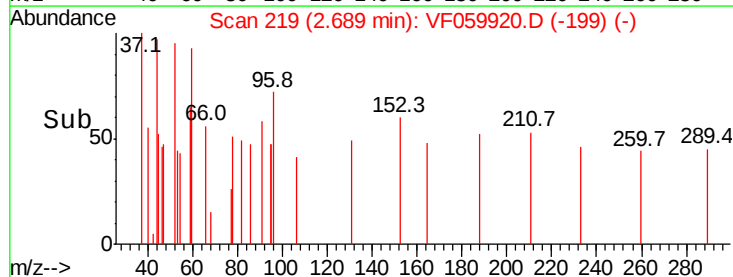
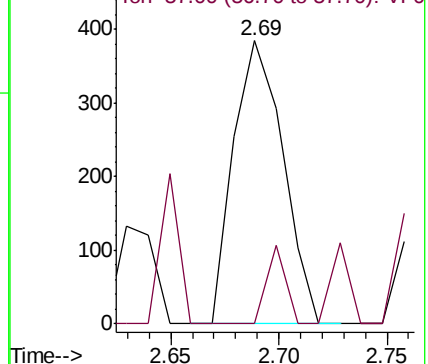
Ion Ratio Lower Upper

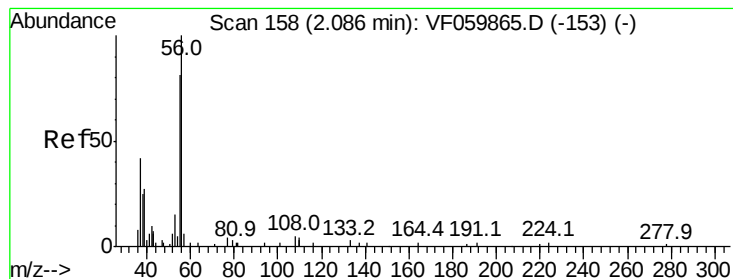
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 1.483 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

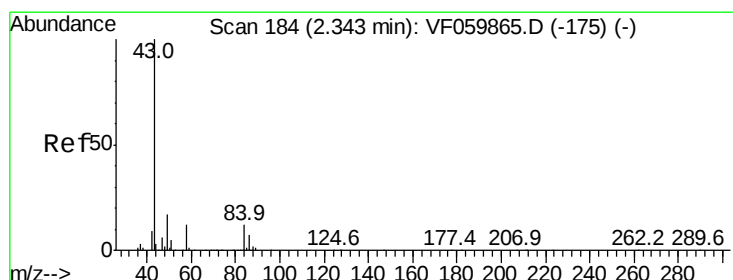
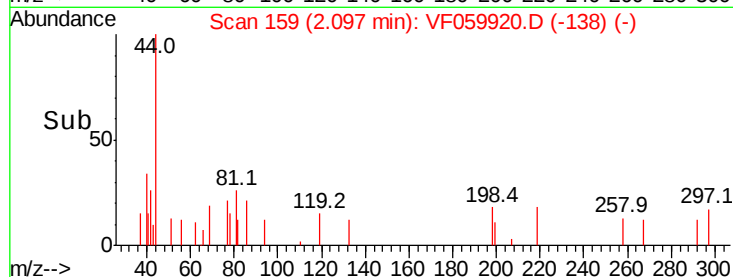
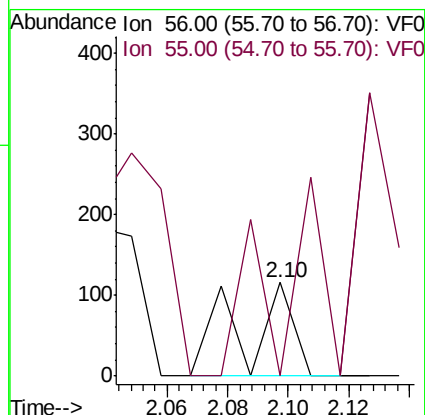
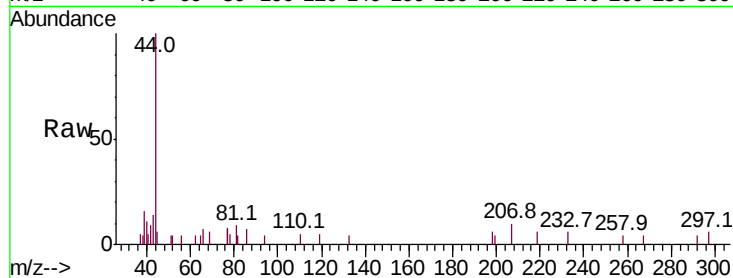
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

56 100

55 0.0 64.6 96.8#



#16

Acetone

Concen: 2.200 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF059920.D

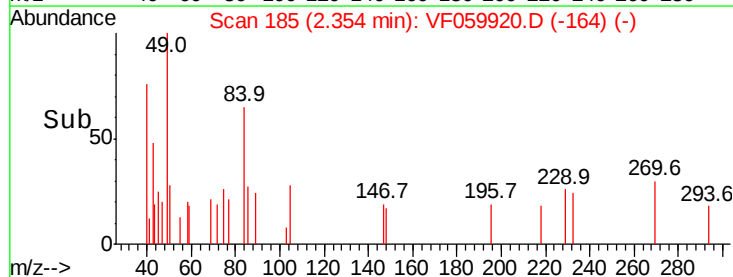
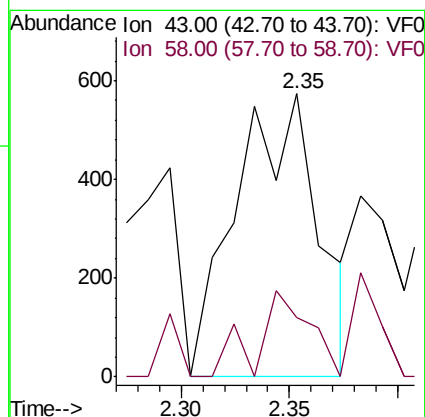
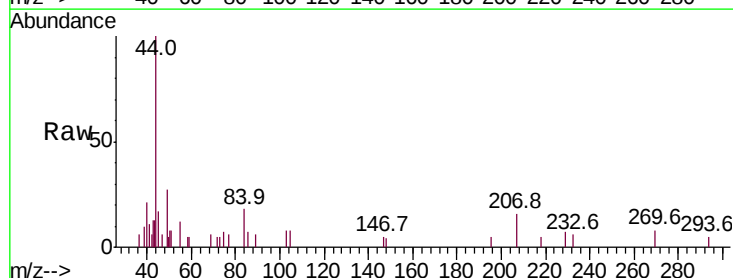
Acq: 7 Aug 2018 13:58

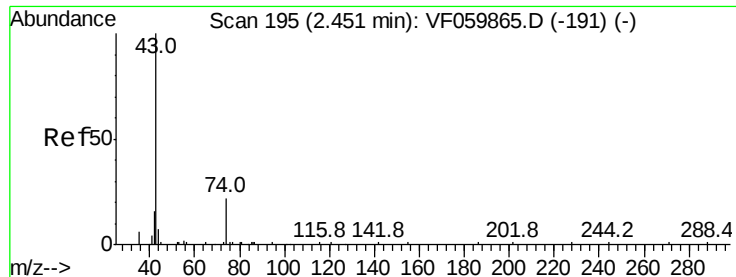
Tgt Ion: 43 Resp: 1518

Ion Ratio Lower Upper

43 100

58 20.9 9.4 14.0#

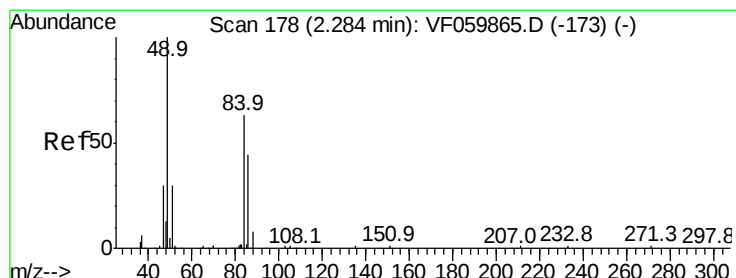
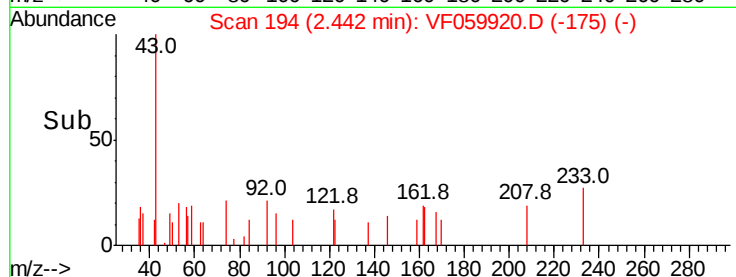
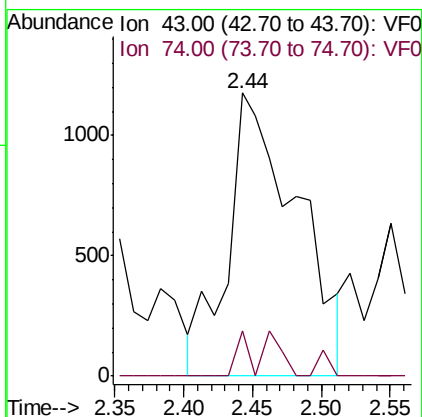
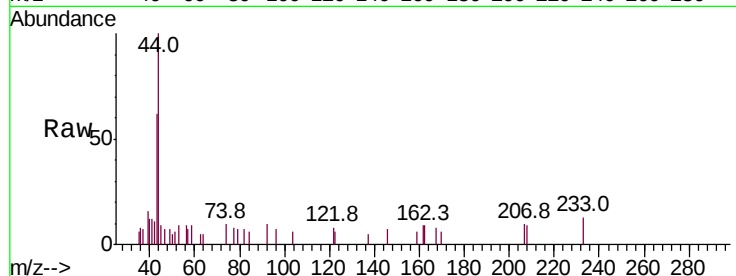




#18
Methyl Acetate
Concen: 3.546 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059920.D
Acq: 7 Aug 2018 13:58

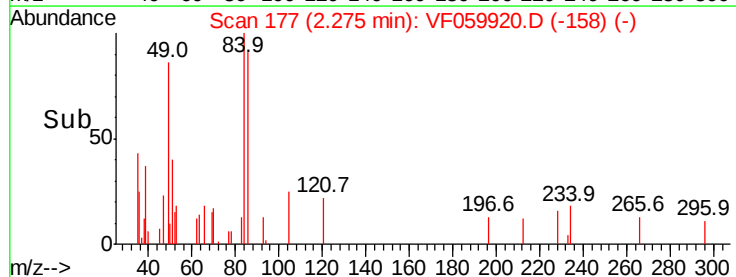
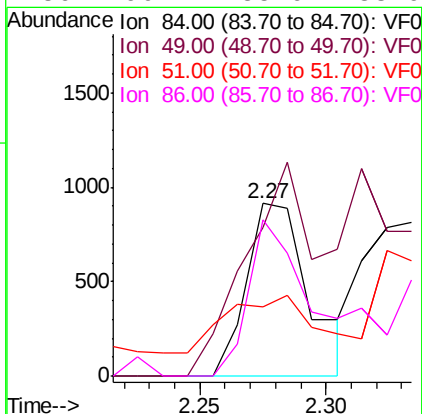
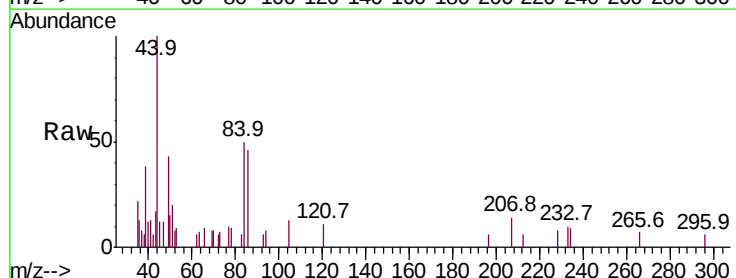
Instrument :
MSVOA_F
ClientSampled :

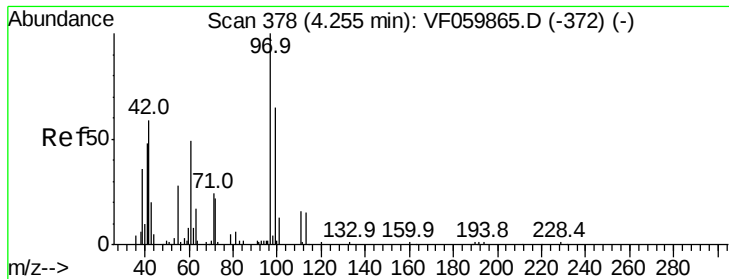
Tot Ion: 43 Resp: 4127
Ion Ratio Lower Upper
43 100
74 16.2 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059920.D
Acq: 7 Aug 2018 13:58

Tgt Ion: 84 Resp: 1579
Ion Ratio Lower Upper
84 100
49 85.8 128.7 193.1#
51 40.0 39.3 58.9
86 90.7 55.9 83.9#





#29

Tetrahydrofuran

Concen: 1.126 ug/l

RT: 4.28 min Scan# 380

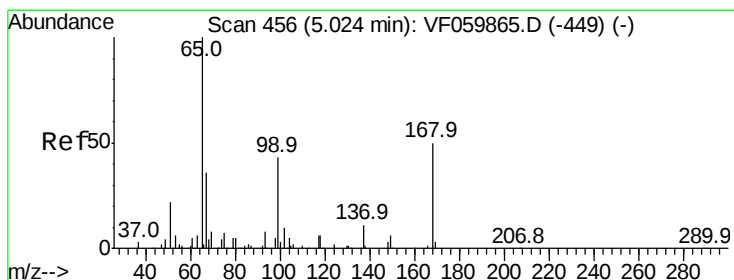
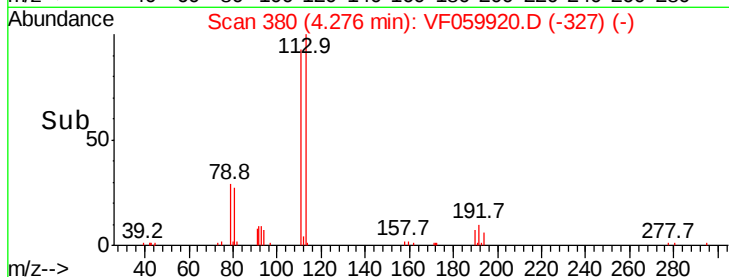
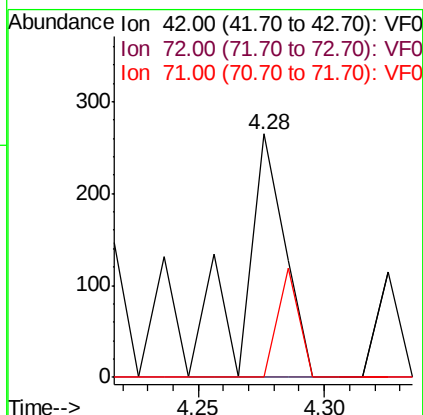
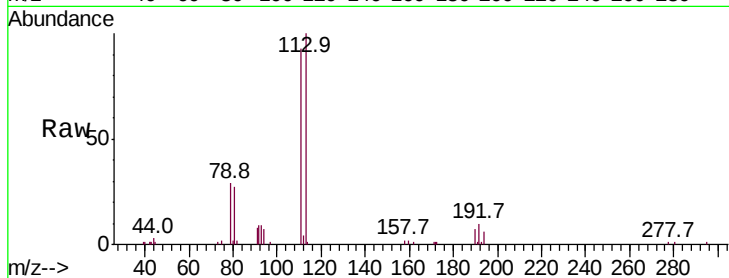
Delta R.T. 0.02 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	311
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	22.5	30.0	45.0#



#33

1,2-Dichloroethane-d4

Concen: 39.397 ug/l

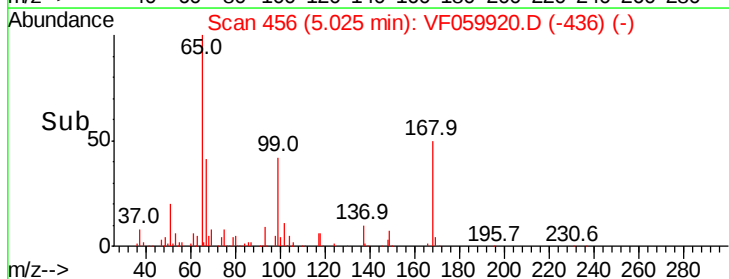
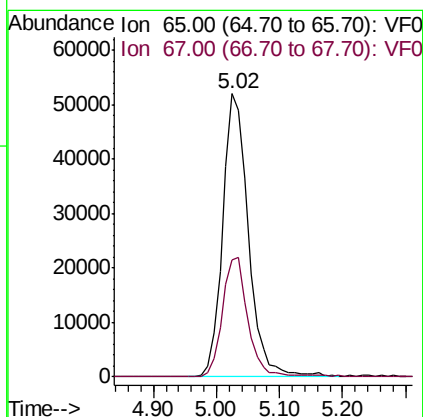
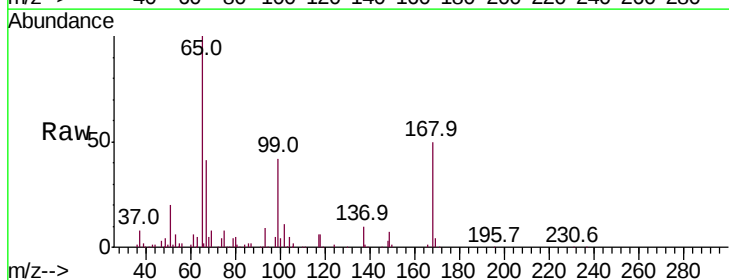
RT: 5.02 min Scan# 456

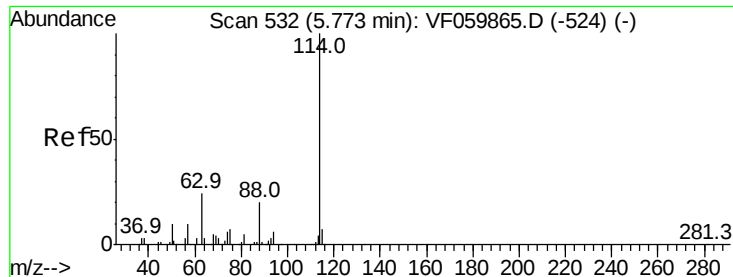
Delta R.T. 0.00 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Tgt Ion:	65	Resp:	147248
Ion	Ratio	Lower	Upper
65	100		
67	41.1	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: VF059920.D

Acq: 7 Aug 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

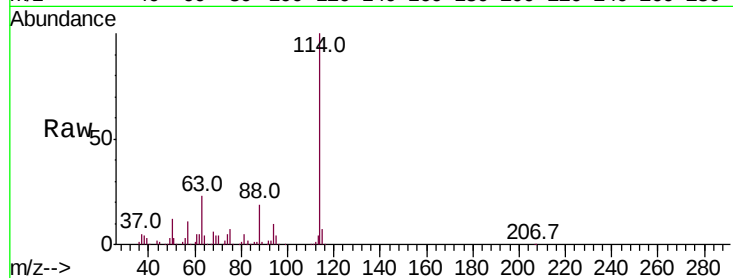
Tot Ion:114 Resp: 310511

Ion Ratio Lower Upper

114 100

63 22.9 0.0 48.0

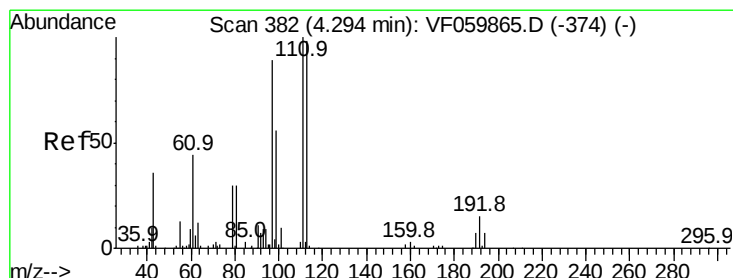
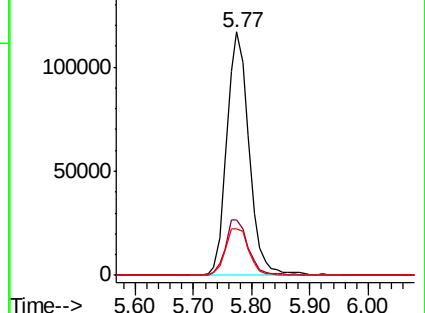
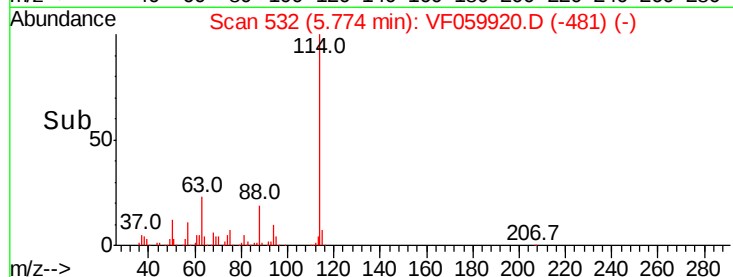
88 19.3 0.0 39.4



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: 38.978 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

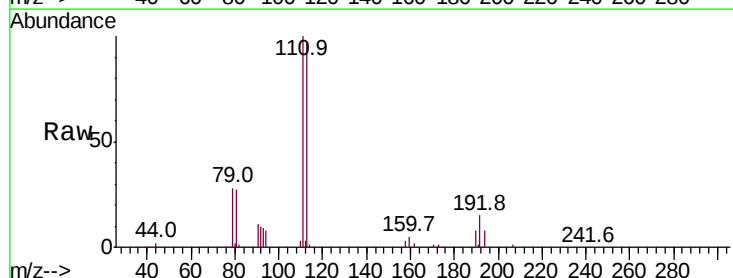
Tgt Ion:113 Resp: 120419

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

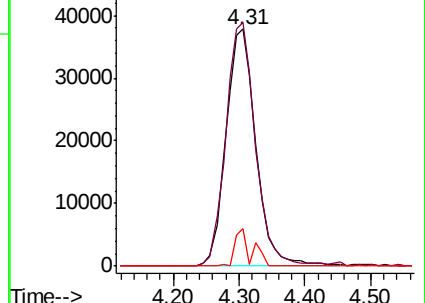
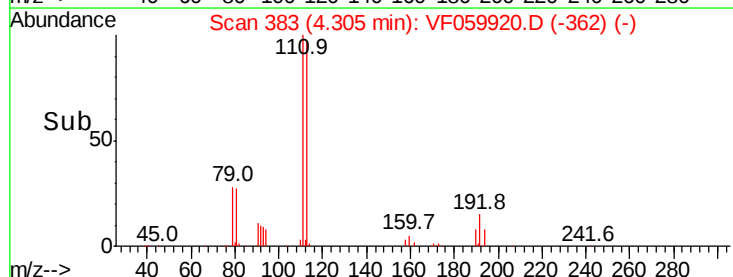
192 15.6 12.4 18.6

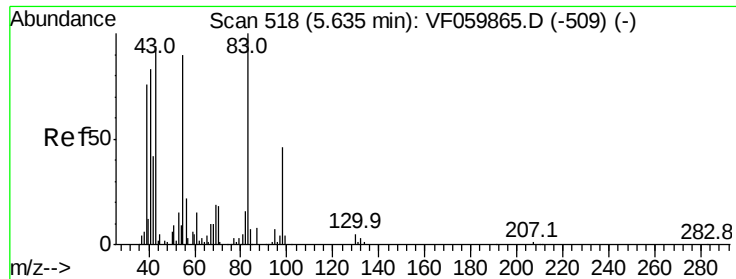


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

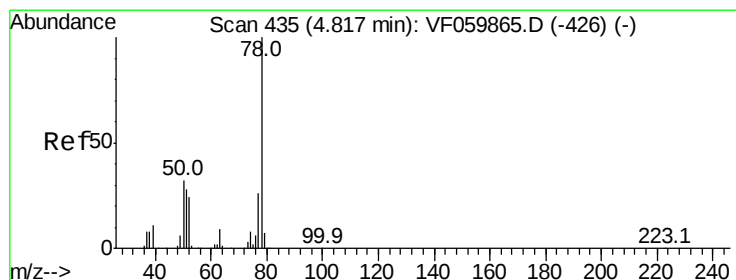
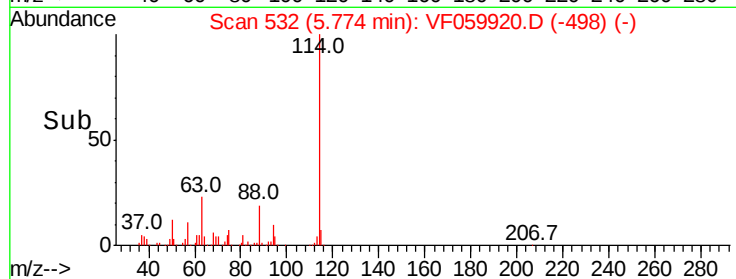
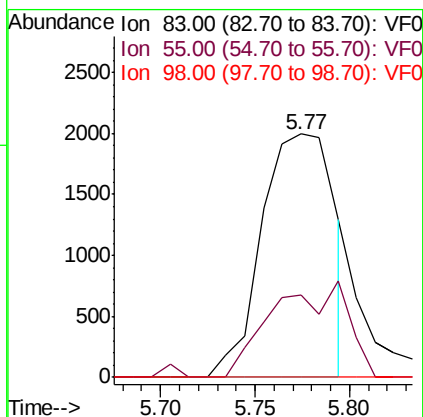
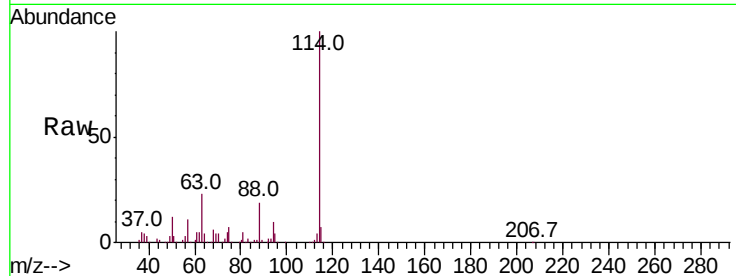




#39
Methylcyclohexane
Concen: 1.994 ug/l
RT: 5.77 min Scan# 532
Delta R.T. 0.14 min
Lab File: VF059920.D
Acq: 7 Aug 2018 13:58

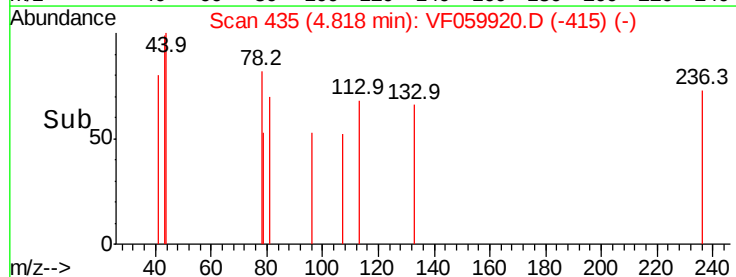
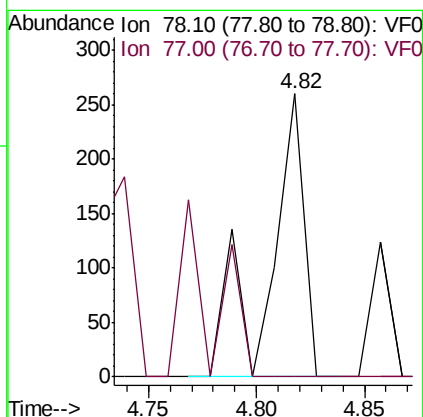
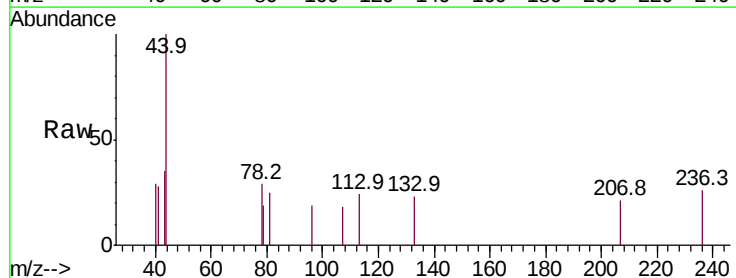
Instrument :
MSVOA_F
ClientSampled :

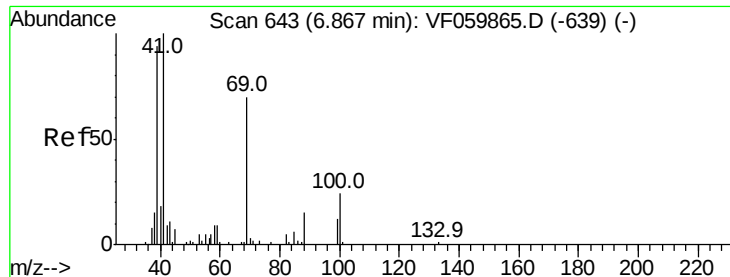
Tot Ion: 83 Resp: 5372
Ion Ratio Lower Upper
83 100
55 34.0 72.0 108.0#
98 0.0 36.6 54.8#



#40
Benzene
Concen: Below Cal
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059920.D
Acq: 7 Aug 2018 13:58

Tgt Ion: 78 Resp: 293
Ion Ratio Lower Upper
78 100
77 0.0 20.7 31.1#





#49

1,4-Dioxane

Concen: 87.061 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :

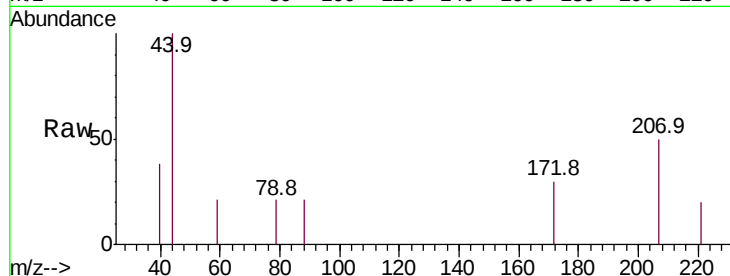
Tot Ion: 88 Resp: 64

Ion Ratio Lower Upper

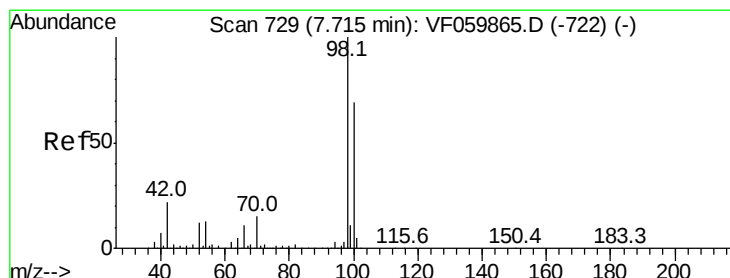
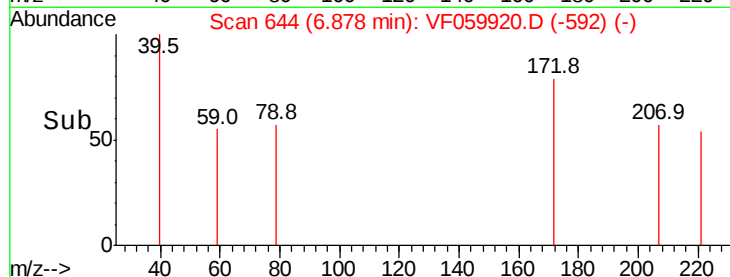
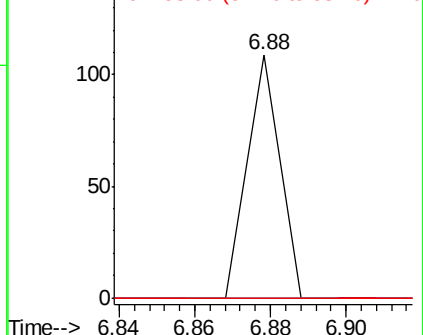
88 100

43 0.0 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: 35.555 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF059920.D

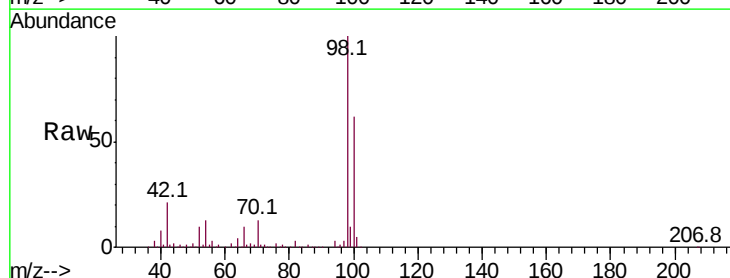
Acq: 7 Aug 2018 13:58

Tgt Ion: 98 Resp: 233722

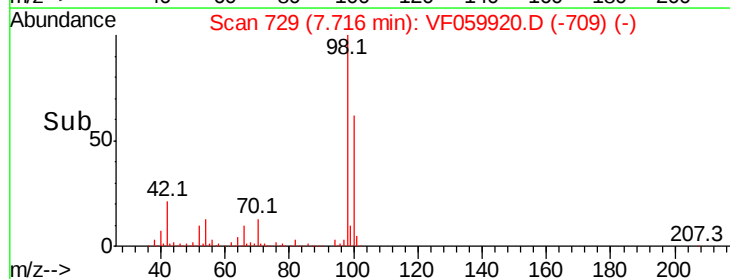
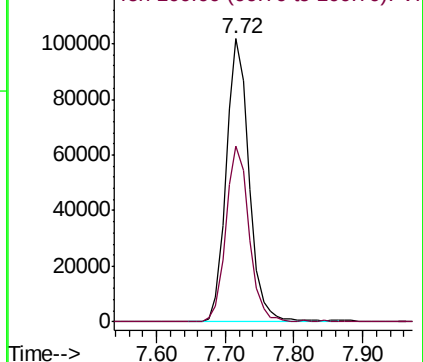
Ion Ratio Lower Upper

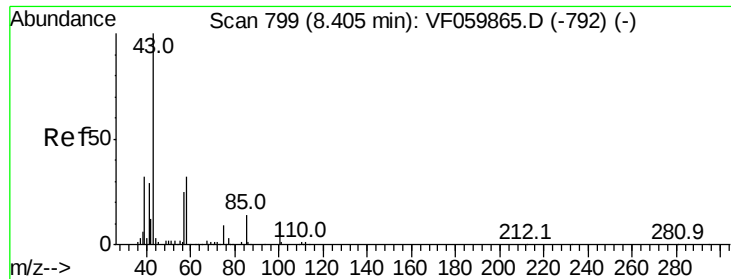
98 100

100 62.2 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.980 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Instrument :

MSVOA_F

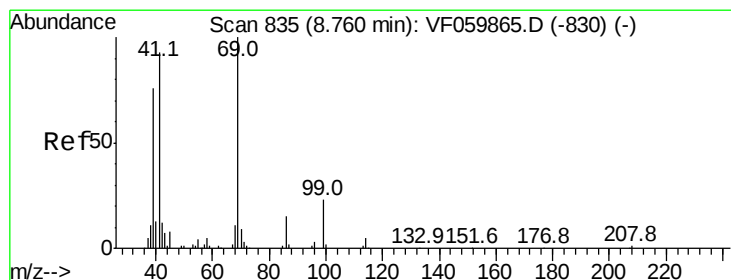
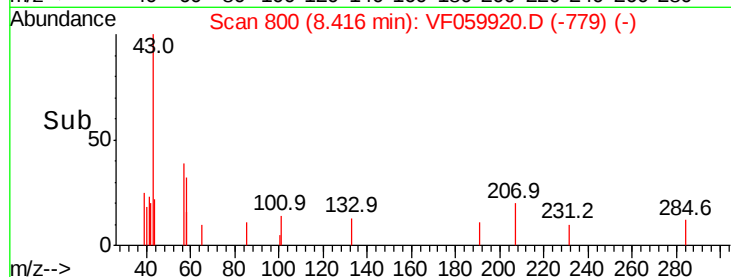
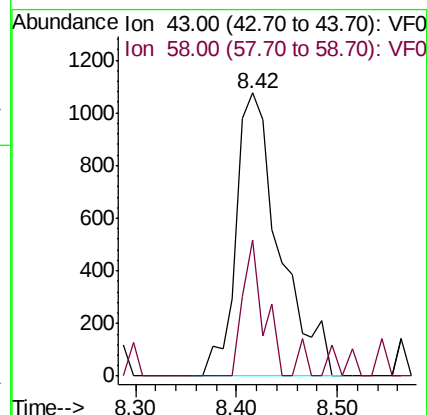
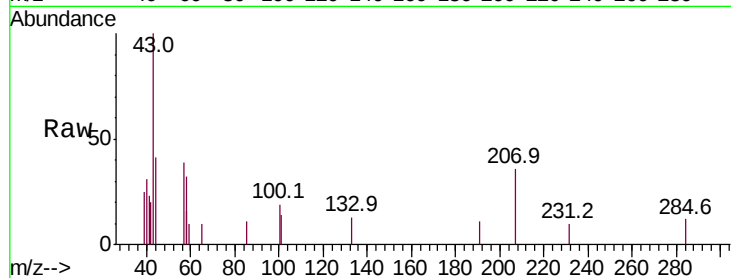
ClientSampled :

Tot Ion: 43 Resp: 3215

Ion Ratio Lower Upper

43 100

58 48.3 25.4 38.0#



#56

Ethyl methacrylate

Concen: 3.401 ug/l

RT: 8.83 min Scan# 842

Delta R.T. 0.07 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

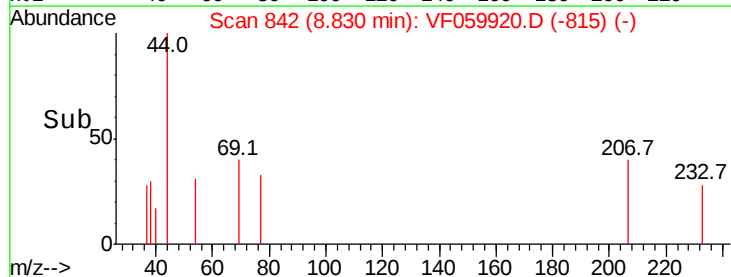
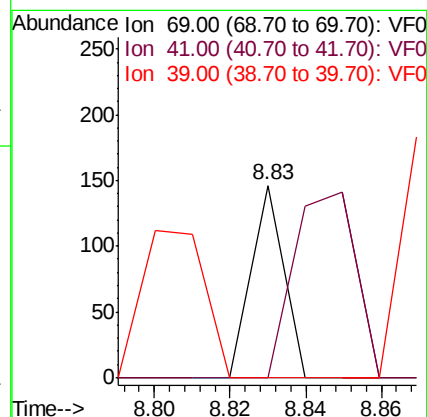
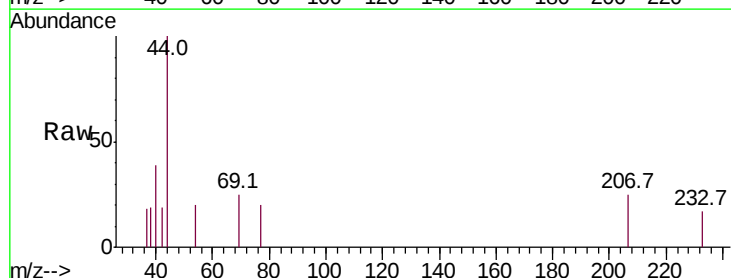
Tgt Ion: 69 Resp: 86

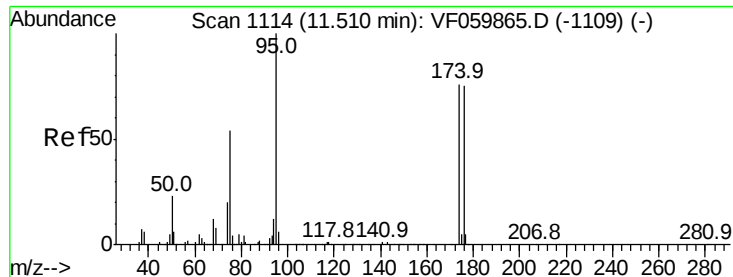
Ion Ratio Lower Upper

69 100

41 0.0 74.7 112.1#

39 0.0 61.1 91.7#





#62

4-Bromofluorobenzene

Concen: 35.506 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Instrument :

MSVOA_F

ClientSampled :

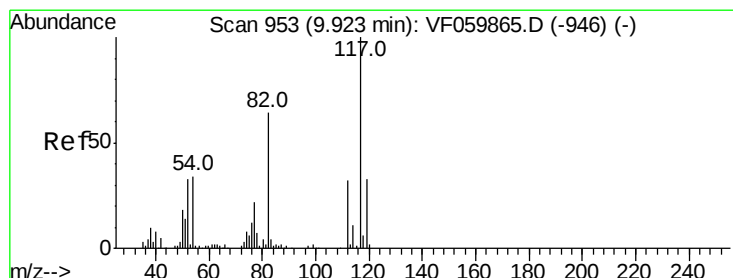
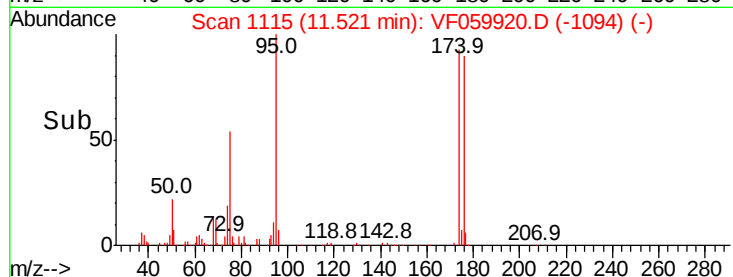
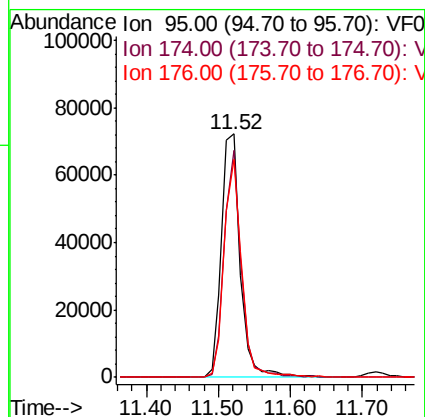
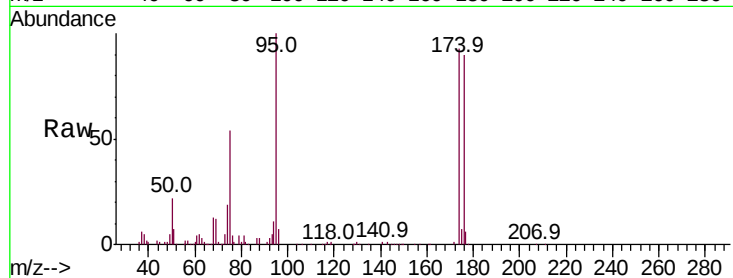
Tot Ion: 95 Resp: 131153

Ion Ratio Lower Upper

95 100

174 93.3 0.0 151.6

176 89.5 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: VF059920.D

Acq: 7 Aug 2018 13:58

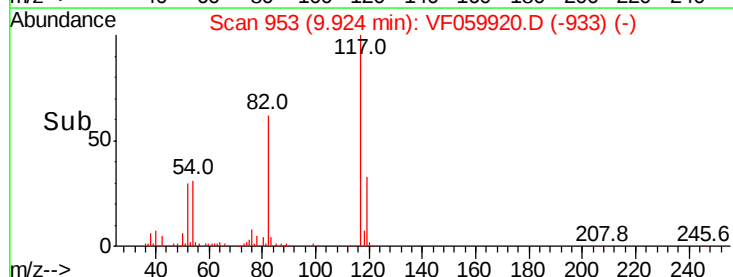
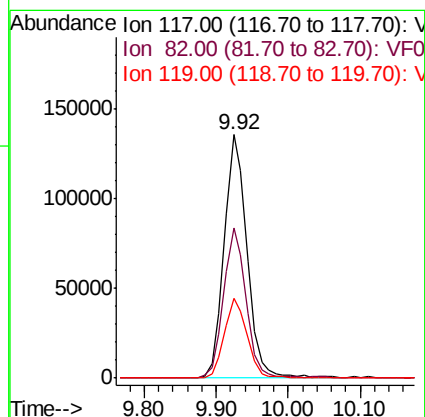
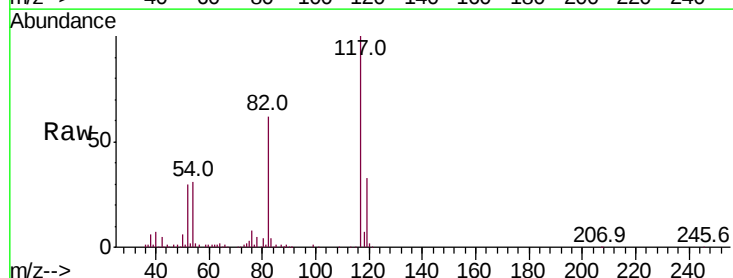
Tgt Ion: 117 Resp: 298208

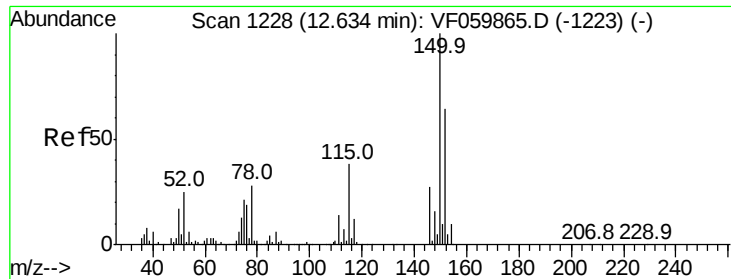
Ion Ratio Lower Upper

117 100

82 61.6 51.3 76.9

119 33.0 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

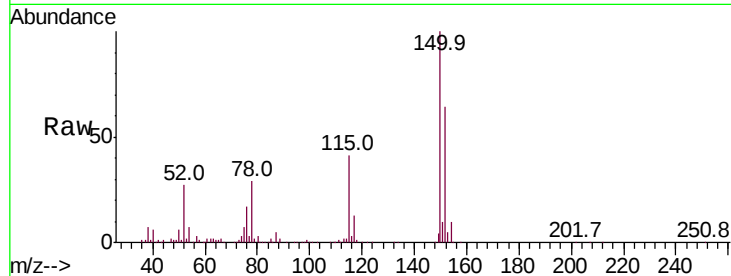
Tot Ion:152 Resp: 181536

Ion Ratio Lower Upper

152 100

115 63.8 29.8 89.4

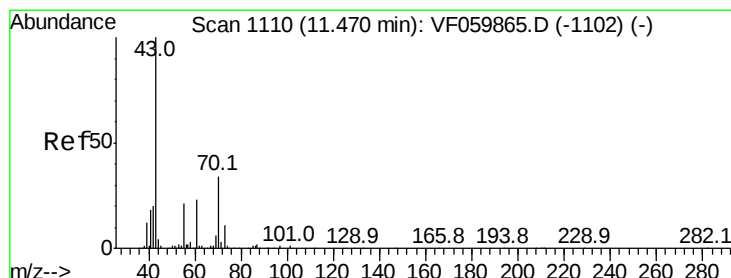
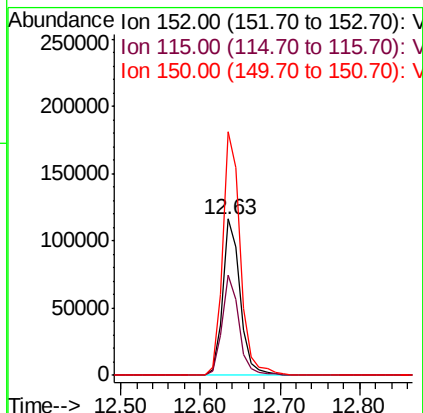
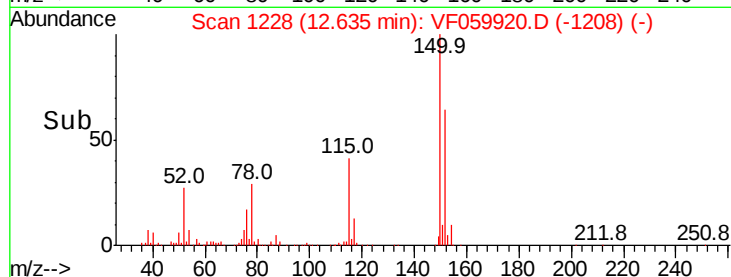
150 155.7 0.0 315.6



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: 134.108 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.25 min

Lab File: VF059920.D

Acq: 7 Aug 2018 13:58

Tgt Ion: 43 Resp: 390045

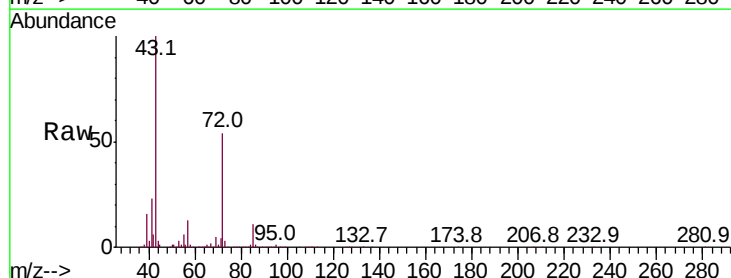
Ion Ratio Lower Upper

43 100

70 0.6 27.5 41.3#

55 6.1 16.6 25.0#

61 0.1 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

