

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059919.D
 Acq On : 7 Aug 2018 13:30
 Operator : VA/AP
 Sample : J4335-01RE
 Misc : 5.09g/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 07 15:30:23 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	232135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	351676	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	299707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	164627	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	140744	33.63	ug/l	0.00
Spiked Amount			Recovery	=	67.26%	
35) Dibromofluoromethane	4.30	113	118924	33.99	ug/l	0.00
Spiked Amount			Recovery	=	67.98%	
50) Toluene-d8	7.72	98	234190	31.46	ug/l	0.00
Spiked Amount			Recovery	=	62.92%	
62) 4-Bromofluorobenzene	11.51	95	114581	27.39	ug/l	0.00
Spiked Amount			Recovery	=	54.78%	

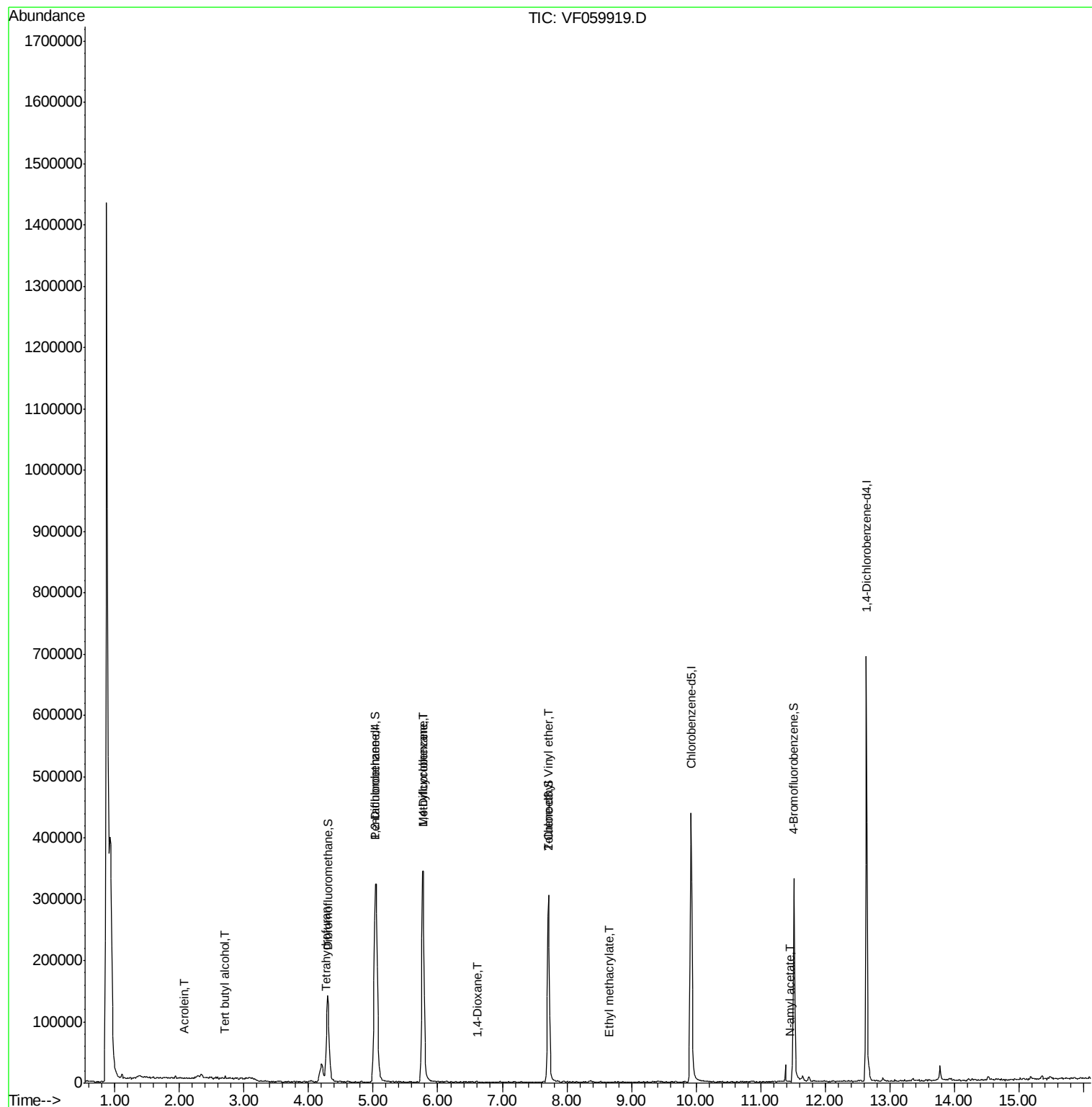
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	418	2.476	ug/l #	1
13) Acrolein	2.08	56	183	1.809	ug/l	92
20) Methylene Chloride	2.33	84	2314	Below Cal		86
29) Tetrahydrofuran	4.27	42	331	1.070	ug/l #	65
39) Methylcyclohexane	5.77	83	6547	2.146	ug/l #	43
40) Benzene	4.80	78	145	Below Cal	#	49
49) 1,4-Dioxane	6.62	88	72	87.016	ug/l #	16
56) Ethyl methacrylate	8.67	69	149	3.425	ug/l #	30
58) 2-Chloroethyl Vinyl ether	7.72	63	571	2.334	ug/l	100
74) N-amyl acetate	11.46	43	146	3.013	ug/l #	48

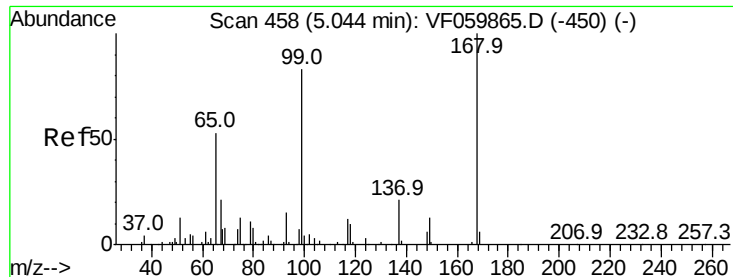
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059919.D

Acq: 7 Aug 2018 13:30

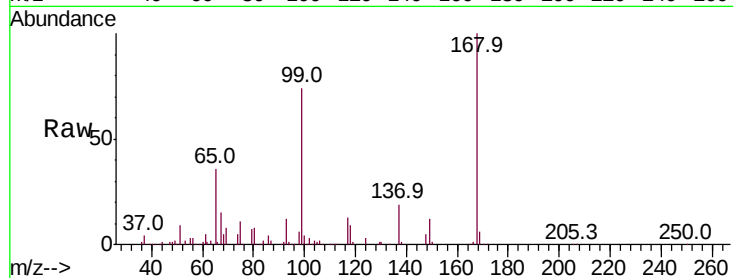
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 232135

Ion Ratio Lower Upper

168 100

99 73.9 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

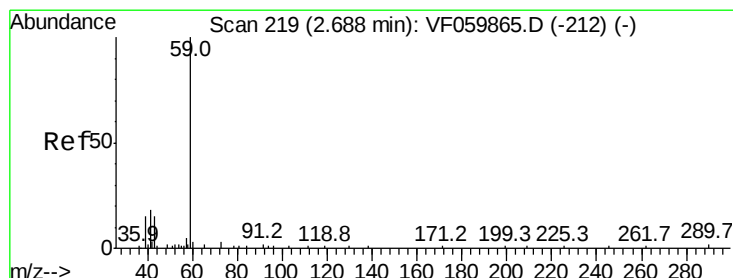
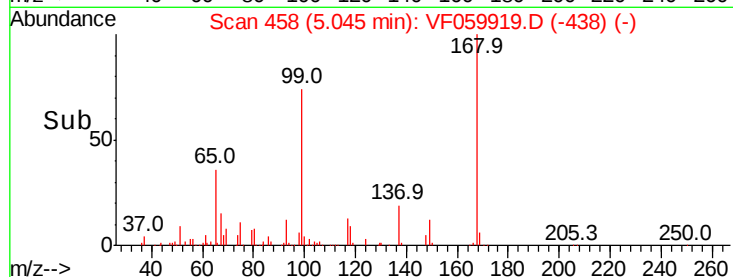
20000

0

5.04

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 2.476 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF059919.D

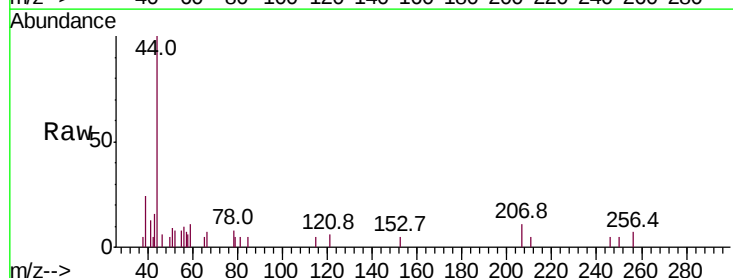
Acq: 7 Aug 2018 13:30

Tgt Ion: 59 Resp: 418

Ion Ratio Lower Upper

59 100

57 62.1 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

300

200

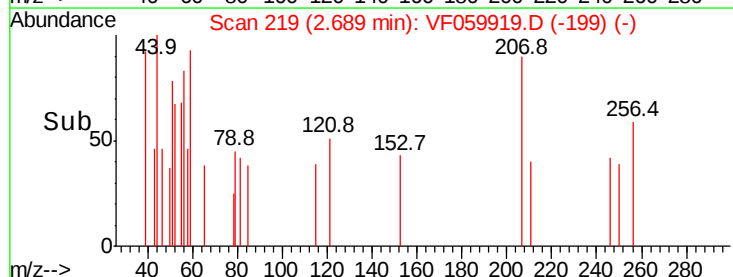
100

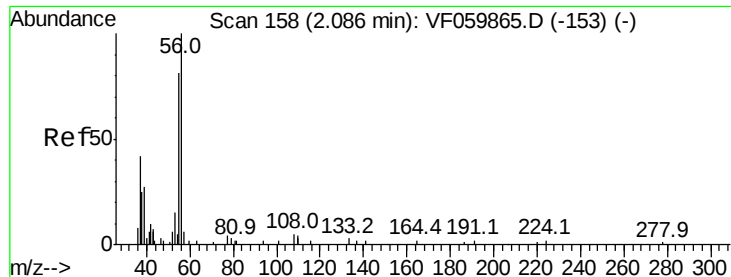
0

2.69

2.66 2.68 2.70 2.72 2.74

Time-->

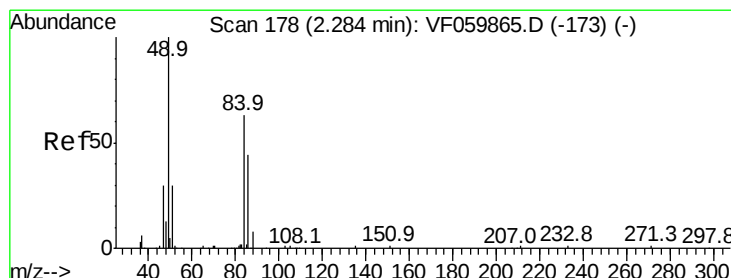
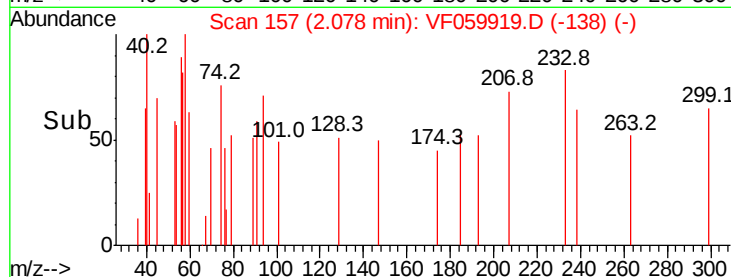
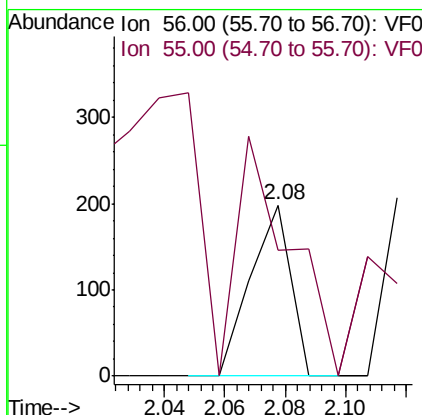
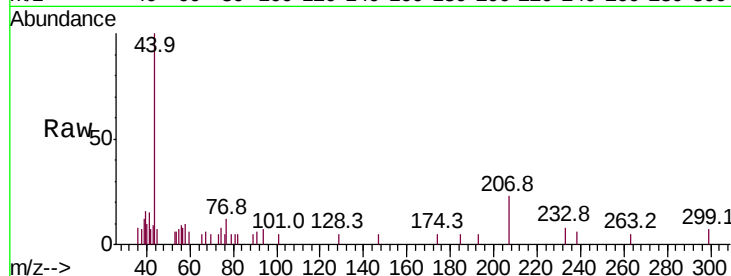




#13
Acrolein
Concen: 1.809 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059919.D
Acq: 7 Aug 2018 13:30

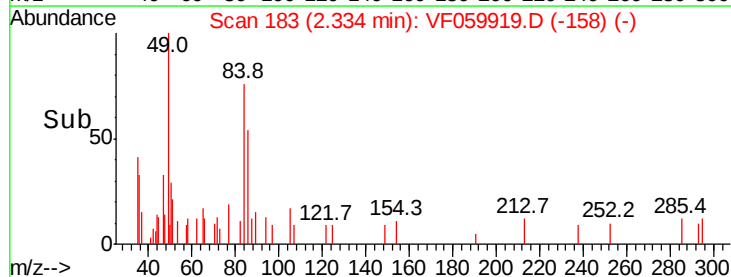
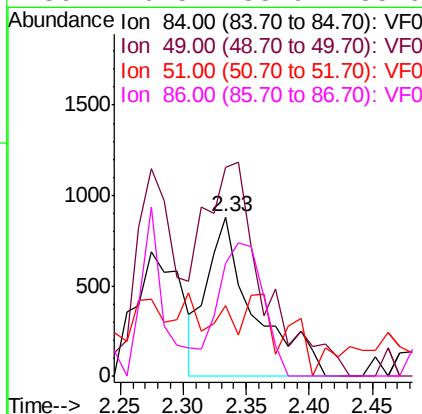
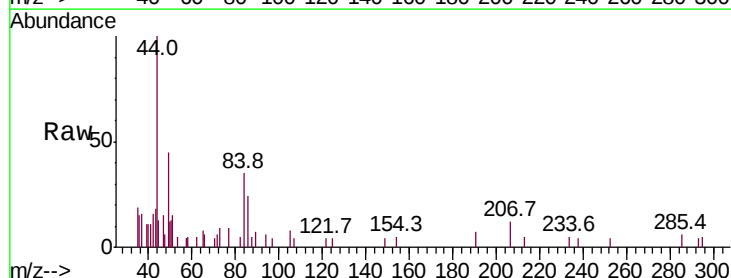
Instrument :
MSVOA_F
ClientSampleId :

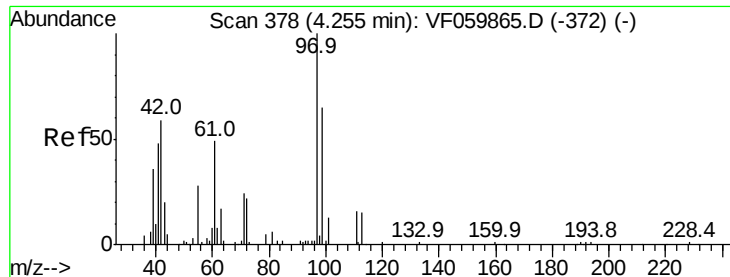
Tot Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 73.7 64.6 96.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. 0.05 min
Lab File: VF059919.D
Acq: 7 Aug 2018 13:30

Tgt Ion: 84 Resp: 2314
Ion Ratio Lower Upper
84 100
49 130.9 128.7 193.1
51 44.5 39.3 58.9
86 70.5 55.9 83.9





#29

Tetrahydrofuran

Concen: 1.070 ug/l

RT: 4.27 min Scan# 379

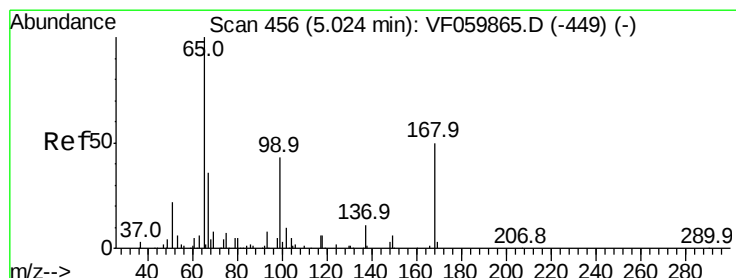
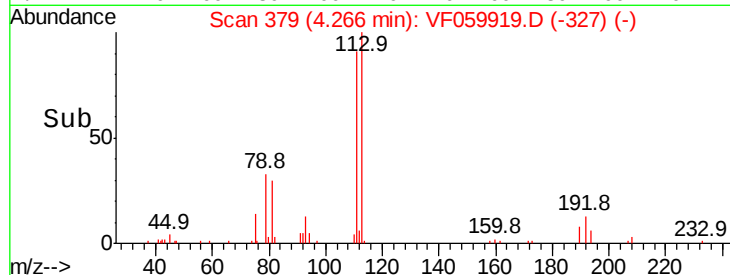
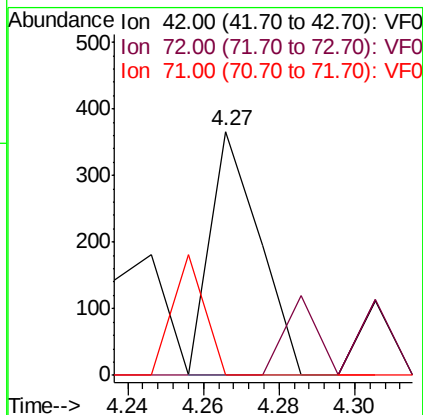
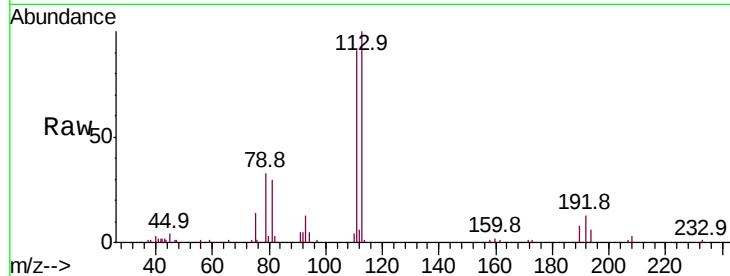
Delta R.T. 0.01 min

Lab File: VF059919.D

Acq: 7 Aug 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	331
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	32.6	30.0	45.0



#33

1,2-Dichloroethane-d4

Concen: 33.630 ug/l

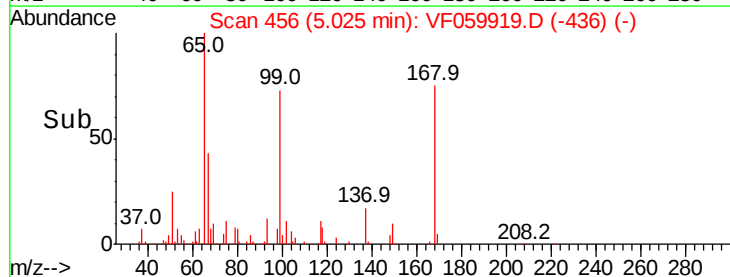
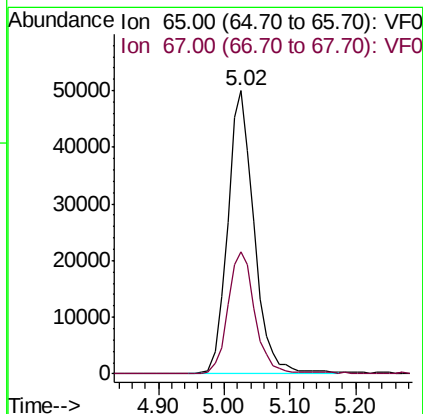
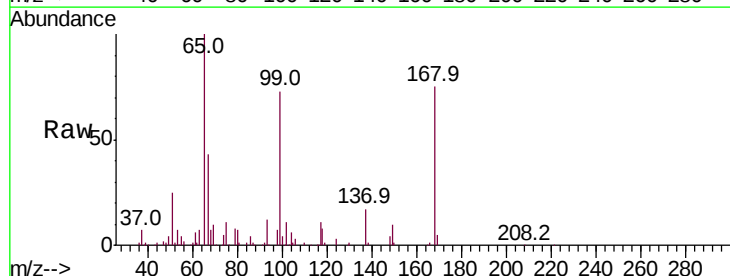
RT: 5.02 min Scan# 456

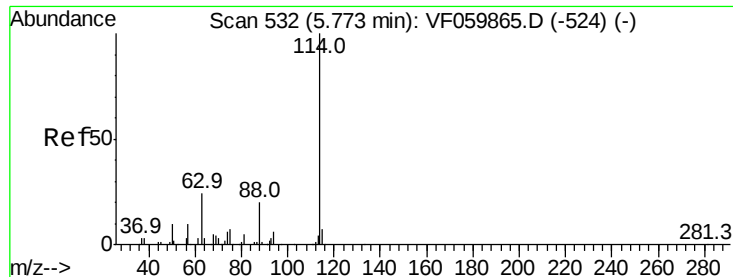
Delta R.T. 0.00 min

Lab File: VF059919.D

Acq: 7 Aug 2018 13:30

Tgt Ion:	65	Resp:	140744
Ion	Ratio	Lower	Upper
65	100		
67	43.1	0.0	77.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

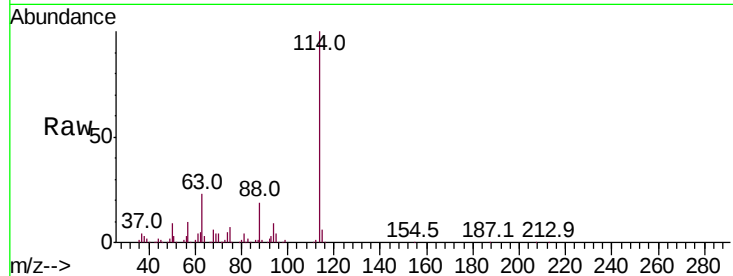
Delta R.T. 0.00 min

Lab File: VF059919.D

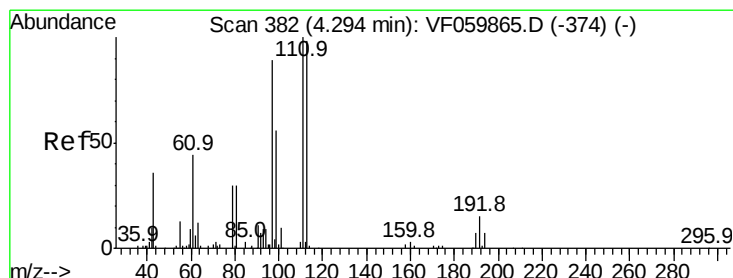
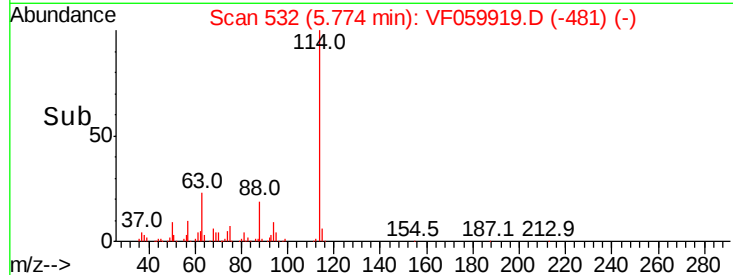
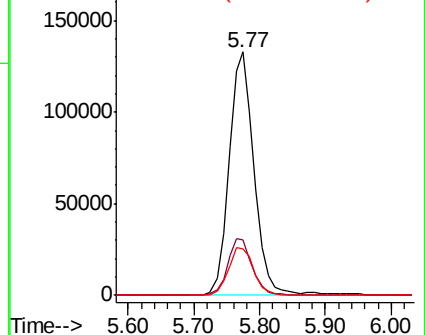
Acq: 7 Aug 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114	Resp:	351676
Ion Ratio	Lower	Upper
114 100		
63 22.6	0.0	48.0
88 19.0	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: 33.988 ug/l

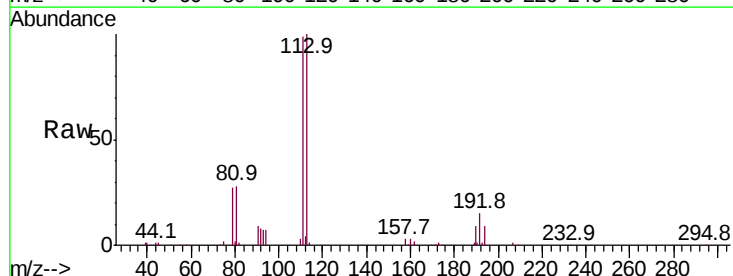
RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

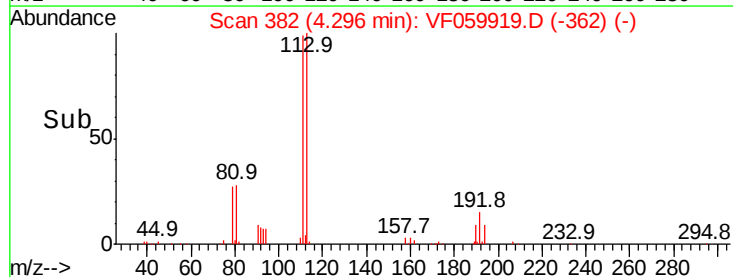
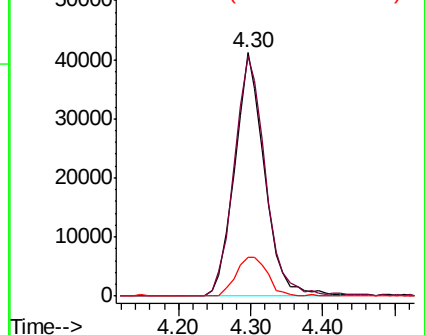
Lab File: VF059919.D

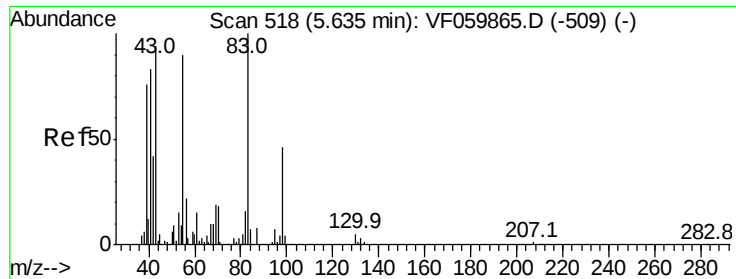
Acq: 7 Aug 2018 13:30

Tgt Ion:113	Resp:	118924
Ion Ratio	Lower	Upper
113 100		
111 98.6	81.8	122.8
192 15.8	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: 2.146 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF059919.D

Acq: 7 Aug 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :

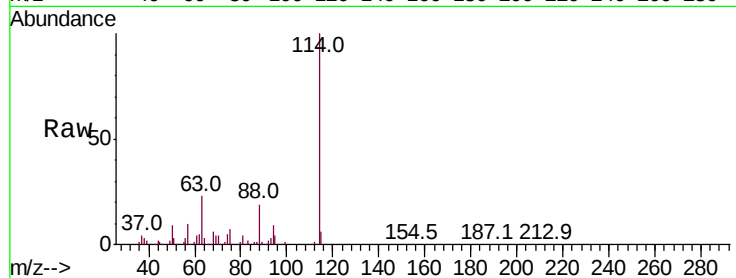
Tot Ion: 83 Resp: 6547

Ion Ratio Lower Upper

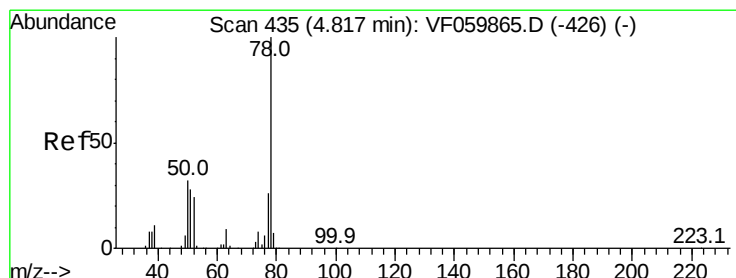
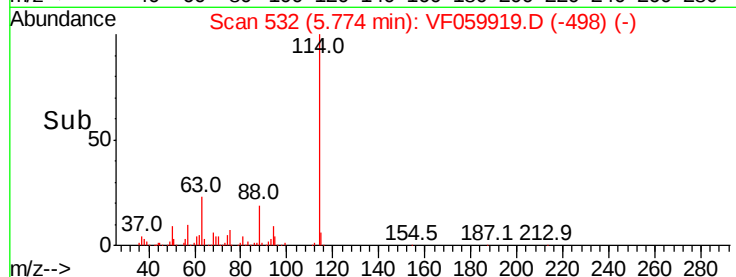
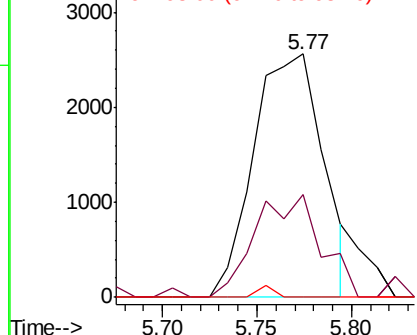
83 100

55 42.2 72.0 108.0#

98 0.0 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: 4.80 min Scan# 433

Delta R.T. -0.02 min

Lab File: VF059919.D

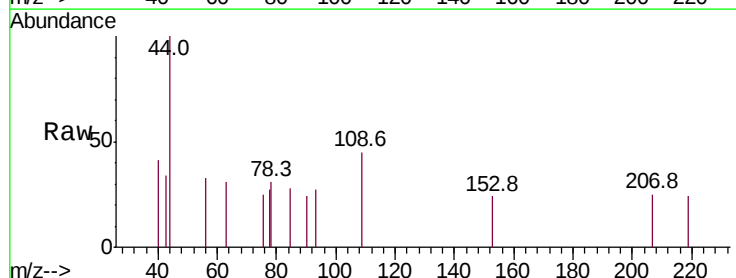
Acq: 7 Aug 2018 13:30

Tgt Ion: 78 Resp: 145

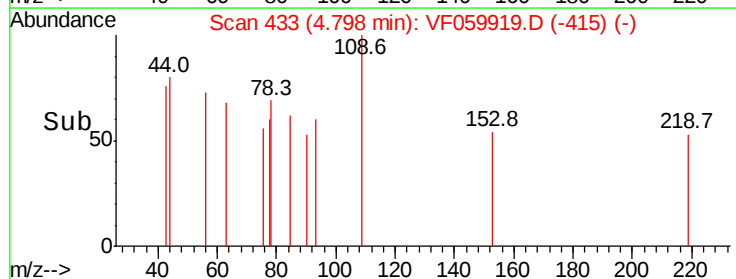
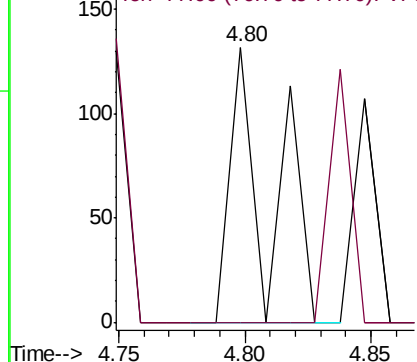
Ion Ratio Lower Upper

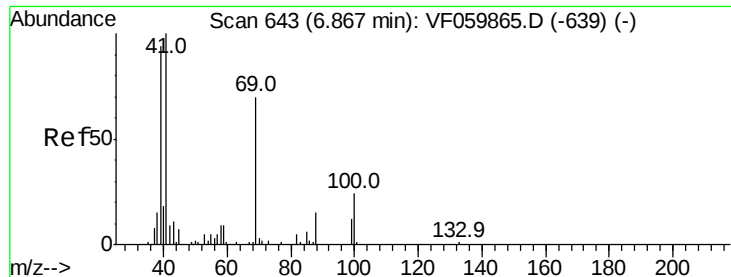
78 100

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

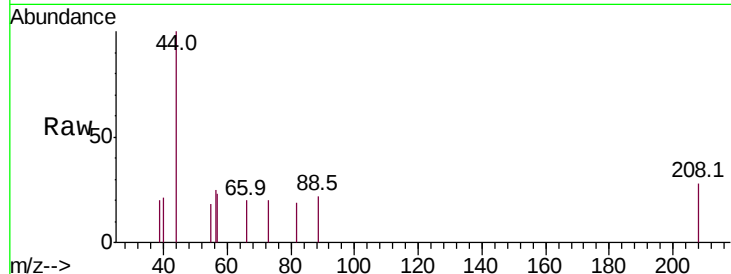




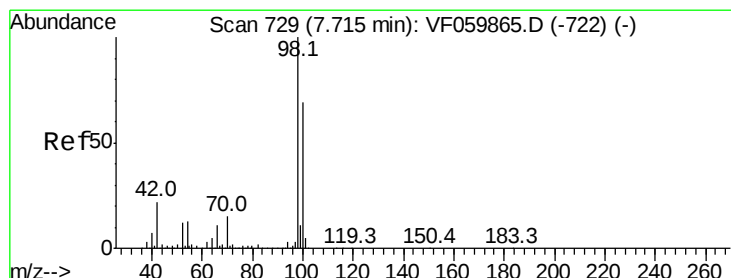
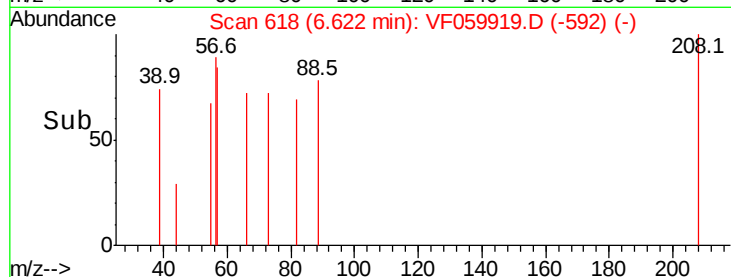
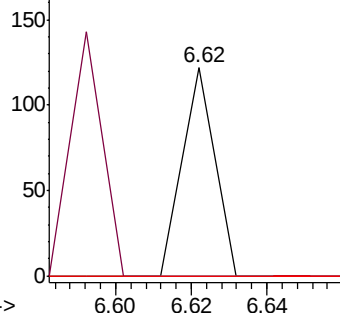
#49
1,4-Dioxane
Concen: 87.016 ug/l
RT: 6.62 min Scan# 618
Delta R.T. -0.25 min
Lab File: VF059919.D
Acq: 7 Aug 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 58.3 87.5#
58 0.0 49.4 74.2#

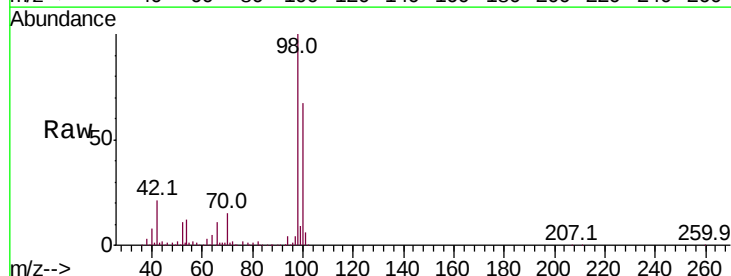


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

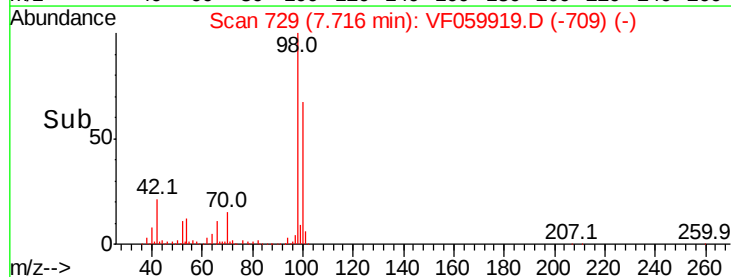
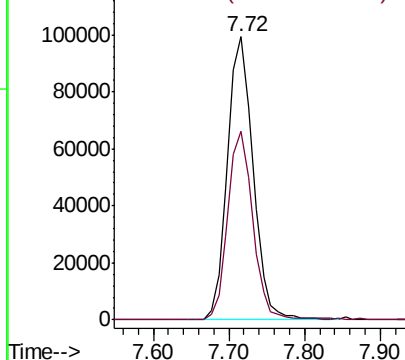


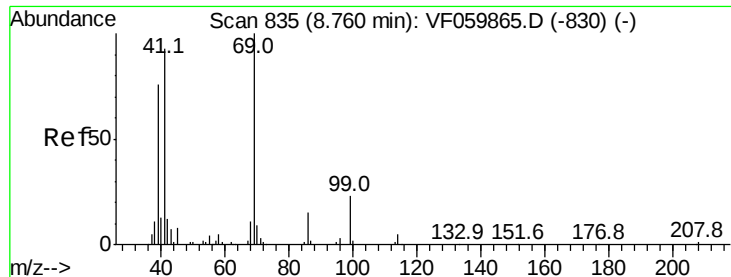
#50
Toluene-d8
Concen: 31.456 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059919.D
Acq: 7 Aug 2018 13:30

Tgt Ion: 98 Resp: 234190
Ion Ratio Lower Upper
98 100
100 66.7 55.0 82.6



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





#56

Ethyl methacrylate

Concen: 3.425 ug/l

RT: 8.67 min Scan# 826

Delta R.T. -0.09 min

Lab File: VF059919.D

Acq: 7 Aug 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :

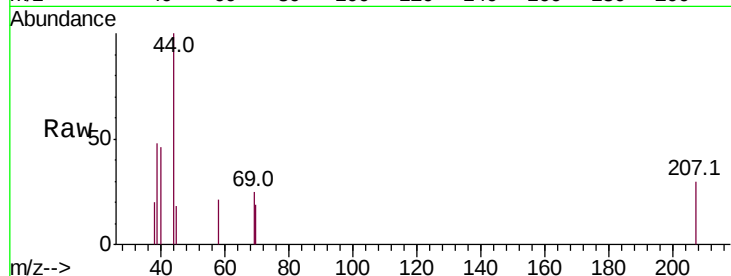
Tot Ion: 69 Resp: 149

Ion Ratio Lower Upper

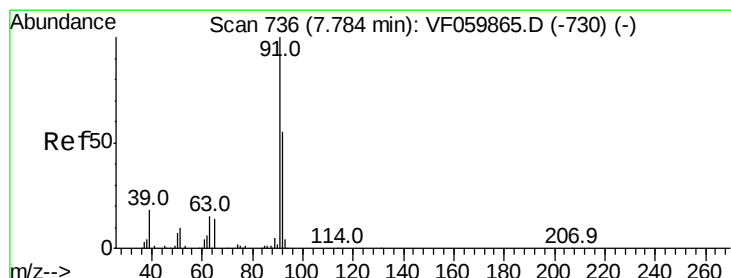
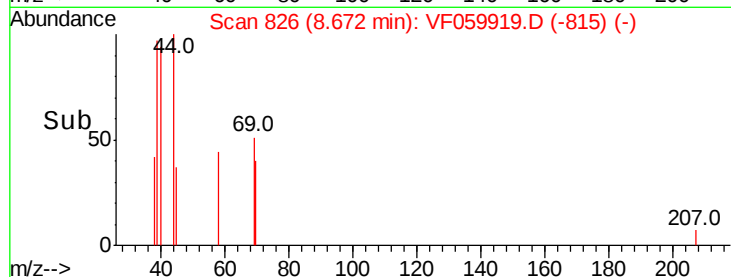
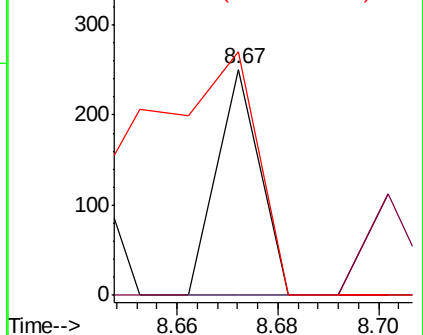
69 100

41 0.0 74.7 112.1#

39 107.6 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



#58

2-Chloroethyl Vinyl ether

Concen: 2.334 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.07 min

Lab File: VF059919.D

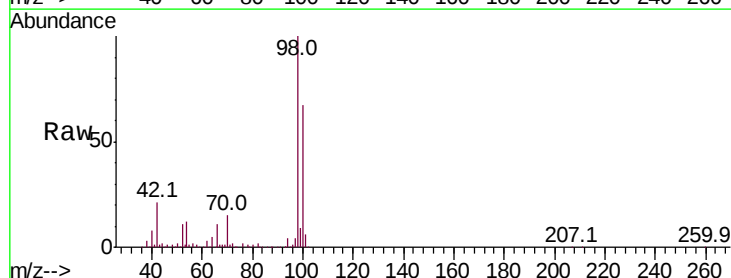
Acq: 7 Aug 2018 13:30

Tgt Ion: 63 Resp: 571

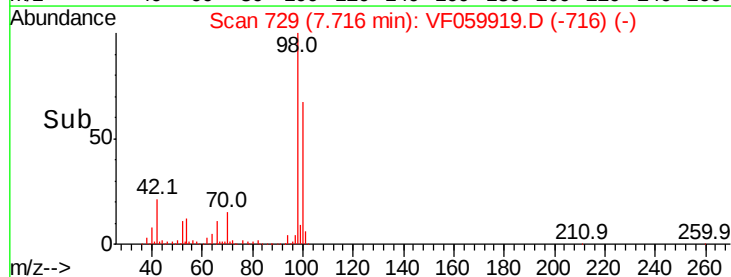
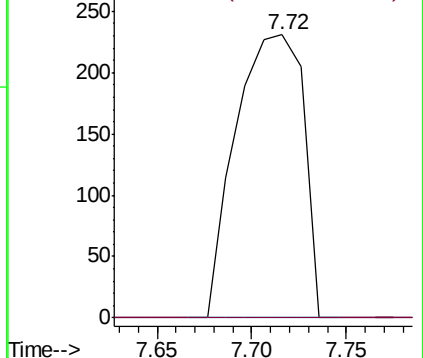
Ion Ratio Lower Upper

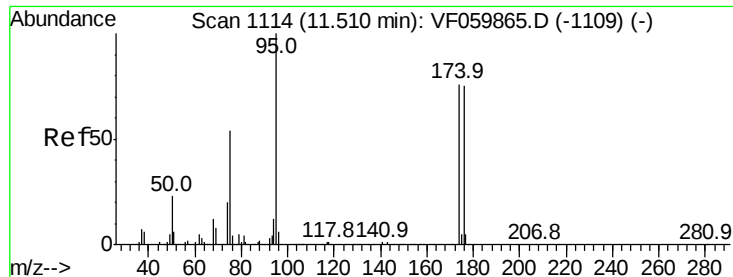
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 27.389 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059919.D

Acq: 7 Aug 2018 13:30

Instrument :

MSVOA_F

ClientSampled :

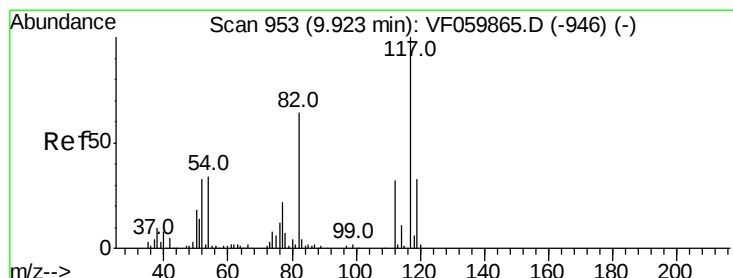
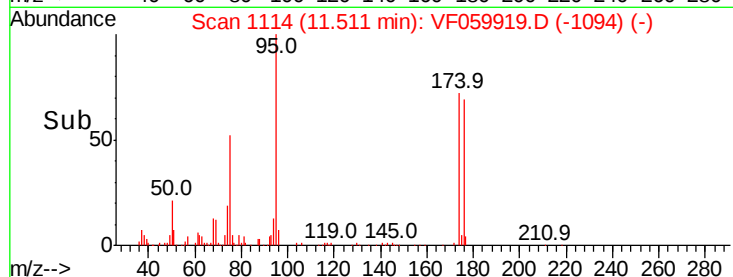
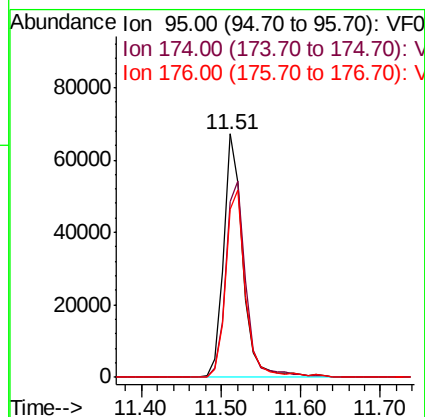
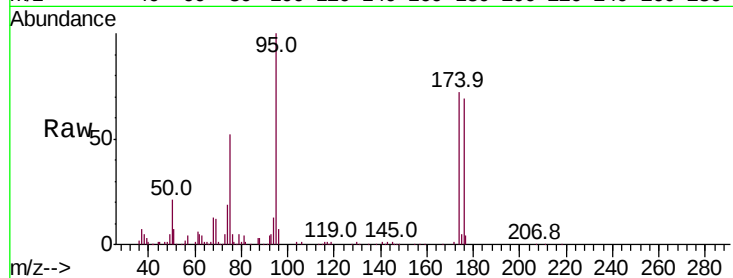
Tot Ion: 95 Resp: 114581

Ion Ratio Lower Upper

95 100

174 72.0 0.0 151.6

176 69.1 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: VF059919.D

Acq: 7 Aug 2018 13:30

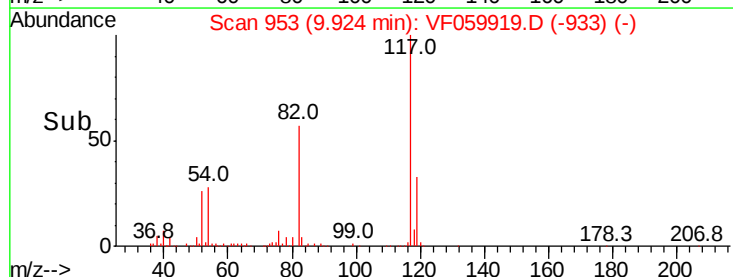
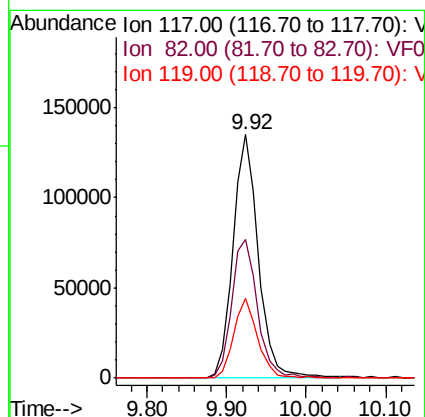
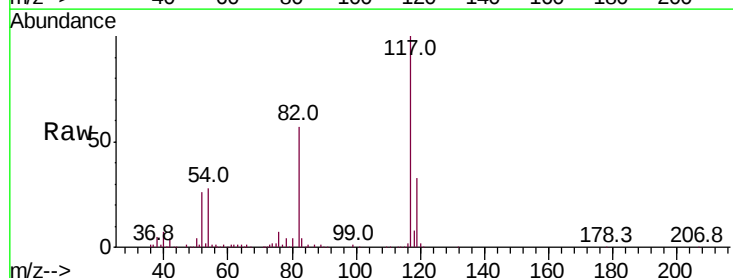
Tgt Ion: 117 Resp: 299707

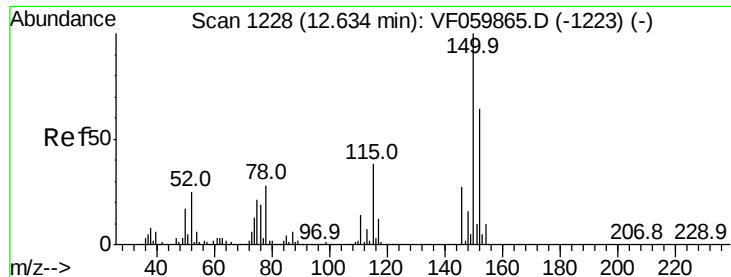
Ion Ratio Lower Upper

117 100

82 57.0 51.3 76.9

119 32.5 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: VF059919.D

Acq: 7 Aug 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

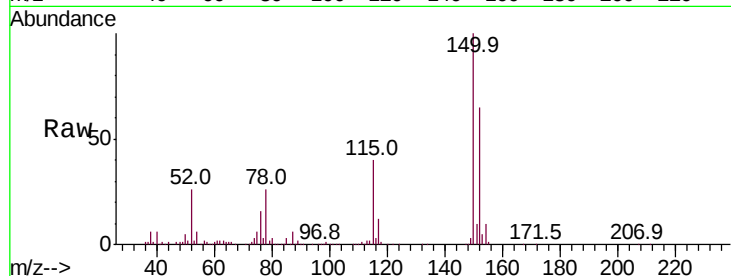
Tot Ion:152 Resp: 164627

Ion Ratio Lower Upper

152 100

115 61.2 29.8 89.4

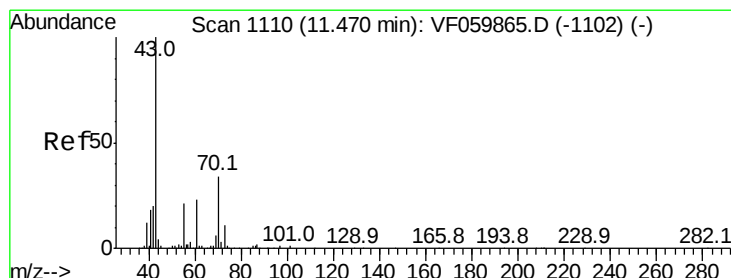
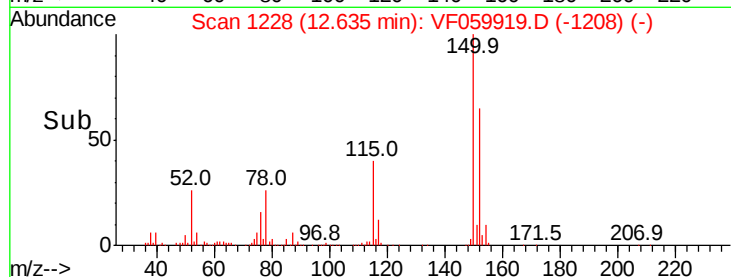
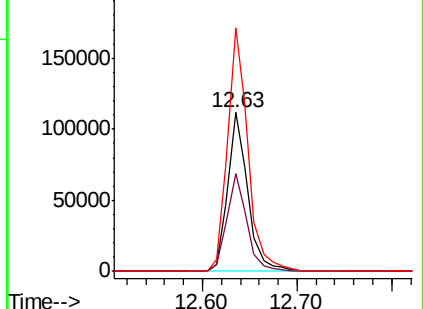
150 153.3 0.0 315.6



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: 3.013 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059919.D

Acq: 7 Aug 2018 13:30

Tgt Ion: 43 Resp: 146

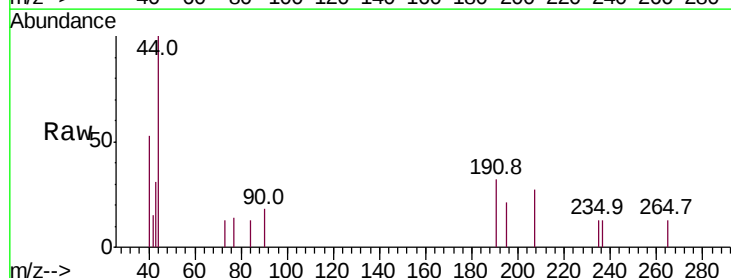
Ion Ratio Lower Upper

43 100

70 0.0 27.5 41.3#

55 0.0 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

