

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061007.D
 Acq On : 12 Dec 2018 20:40
 Operator : VA/AP
 Sample : J6303-01RE
 Misc : 3.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NR38-G1-110718RE

Quant Time: Dec 13 01:27:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	225686	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	387450	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	298850	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	110788	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	111175	41.82	ug/l	-0.05
Spiked Amount			Recovery	=	83.64%	
35) Dibromofluoromethane	4.10	113	127536	41.49	ug/l	-0.05
Spiked Amount			Recovery	=	82.98%	
50) Toluene-d8	7.54	98	283061	31.26	ug/l	-0.05
Spiked Amount			Recovery	=	62.52%	
62) 4-Bromofluorobenzene	11.41	95	117773	28.62	ug/l	-0.03
Spiked Amount			Recovery	=	57.24%	

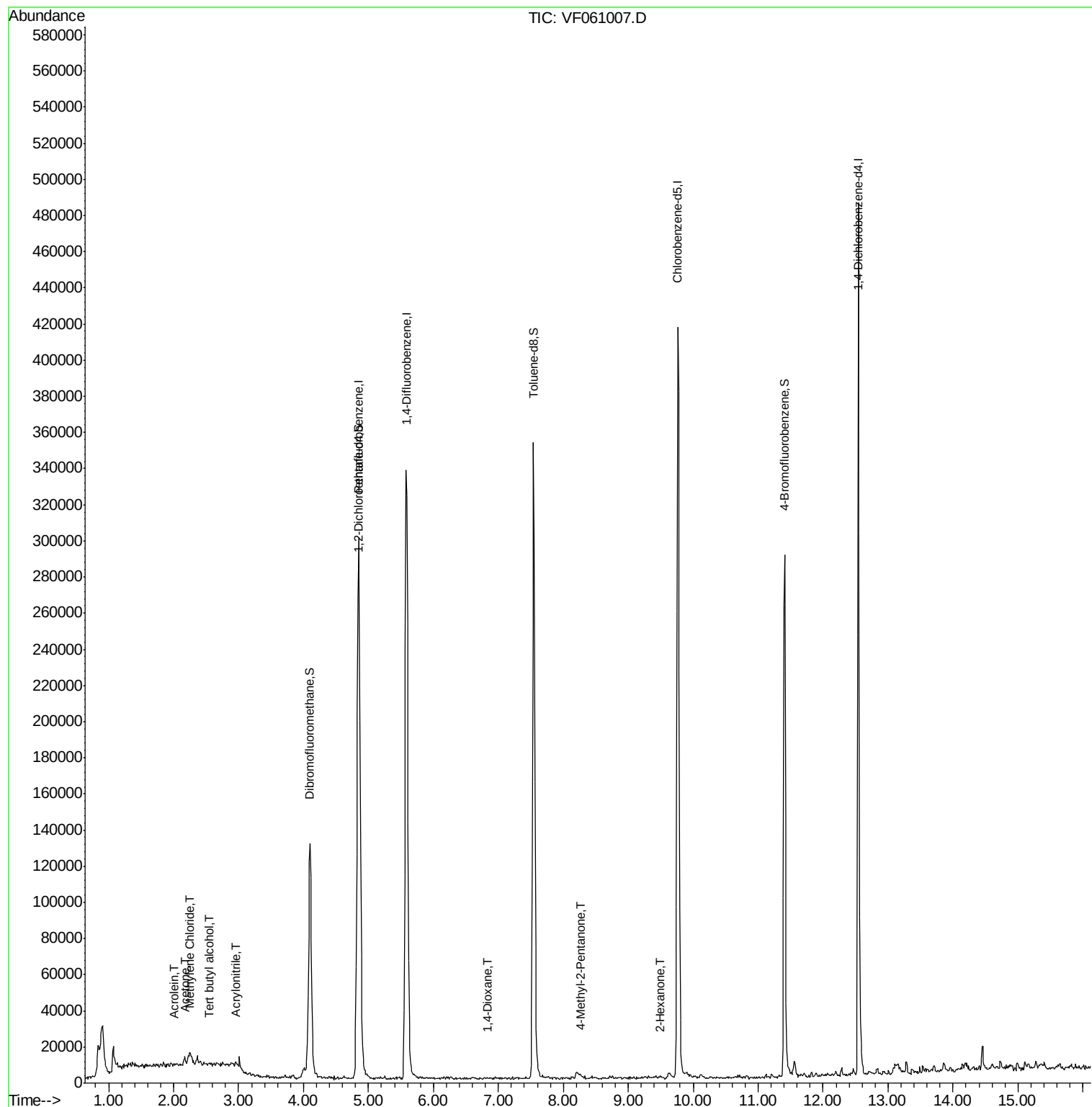
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	233	2.138	ug/l #	1
13) Acrolein	2.02	56	654	6.334	ug/l	92
15) Acrylonitrile	2.96	53	659	2.697	ug/l #	30
16) Acetone	2.18	43	595	1.214	ug/l	95
20) Methylene Chloride	2.26	84	3659	2.034	ug/l #	87
41) Methacrylonitrile	4.73	41	102	Below Cal	#	66
43) Isopropyl Acetate	6.93	43	203	Below Cal	#	49
49) 1,4-Dioxane	6.84	88	69	5.964	ug/l #	17
51) 4-Methyl-2-Pentanone	8.25	43	2287	1.420	ug/l #	65
59) 2-Hexanone	9.48	43	1677	1.484	ug/l	92
95) Naphthalene	14.45	128	7060	Below Cal	#	96

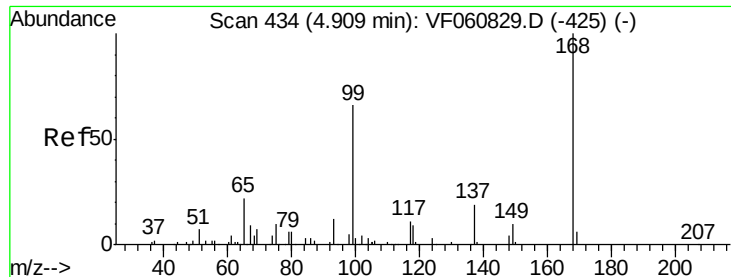
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
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Quant Time: Dec 13 01:27:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

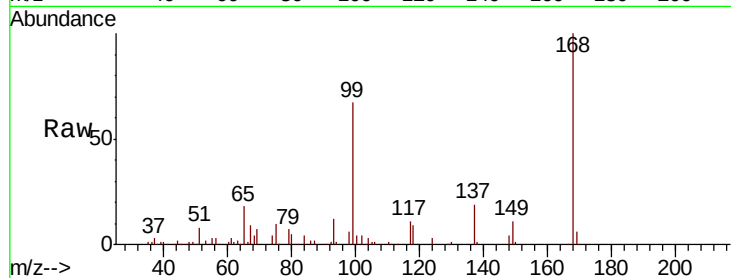
NR38-G1-110718RE

Tot Ion:168 Resp: 225686

Ion Ratio Lower Upper

168 100

99 67.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

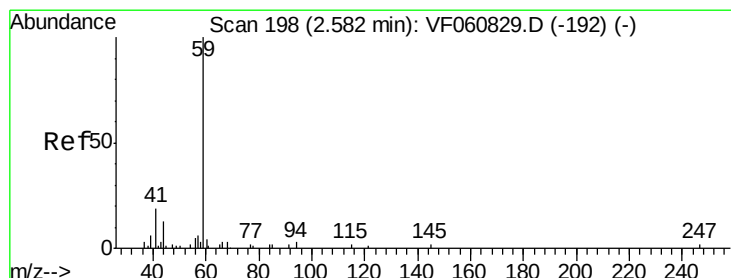
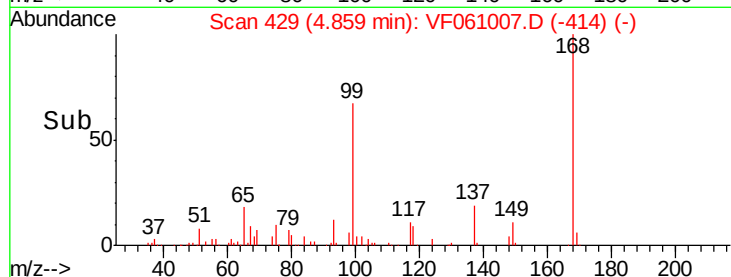
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 2.138 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061007.D

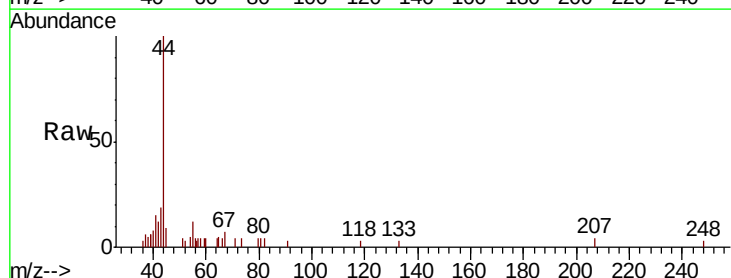
Acq: 12 Dec 2018 20:40

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 82.2 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

200

150

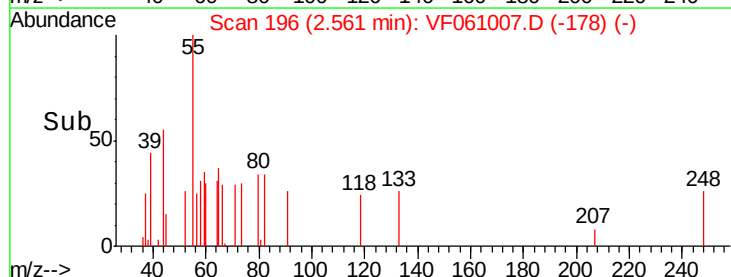
100

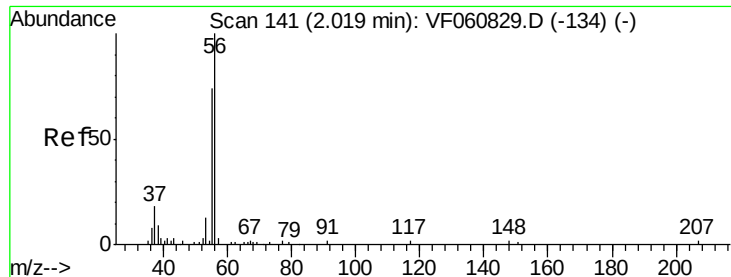
50

0

Time-->

2.50 2.55 2.60





#13

Acrolein

Concen: 6.334 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

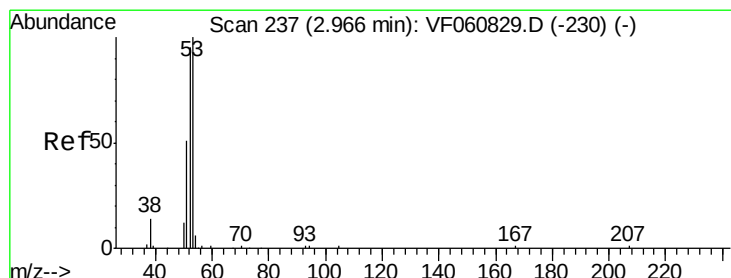
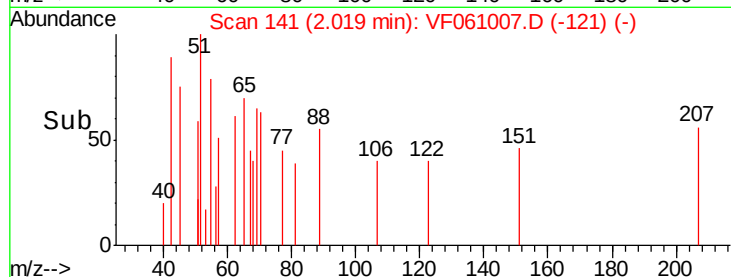
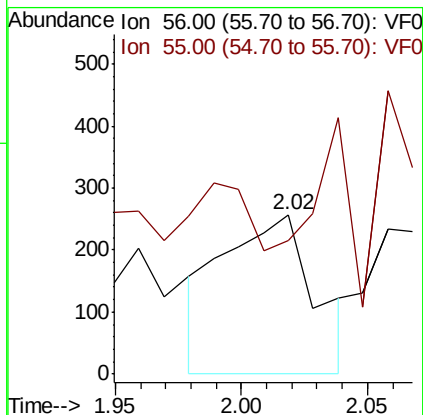
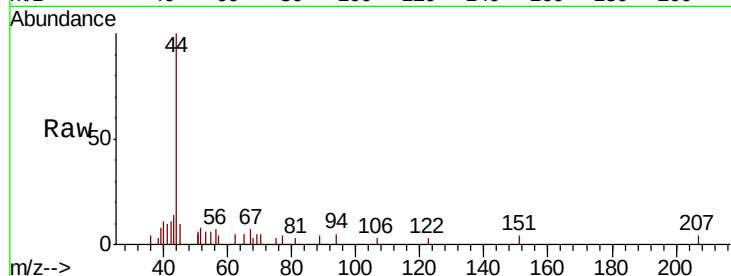
NR38-G1-110718RE

Tot Ion: 56 Resp: 654

Ion Ratio Lower Upper

56 100

55 83.7 61.2 91.8



#15

Acrylonitrile

Concen: 2.697 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

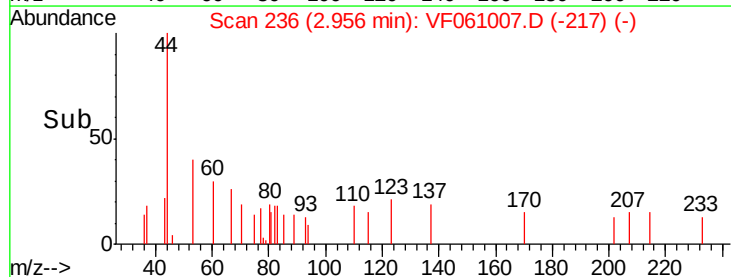
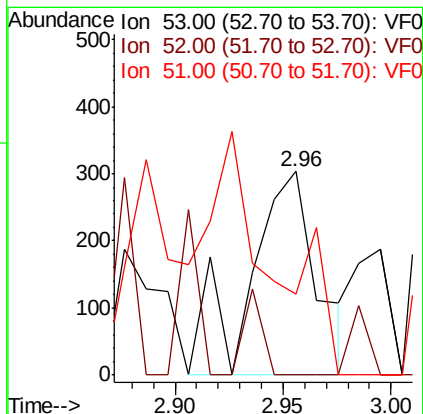
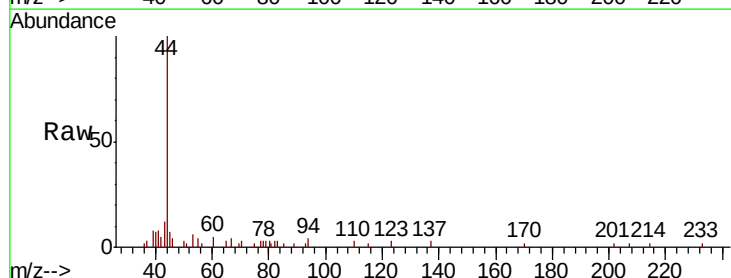
Tgt Ion: 53 Resp: 659

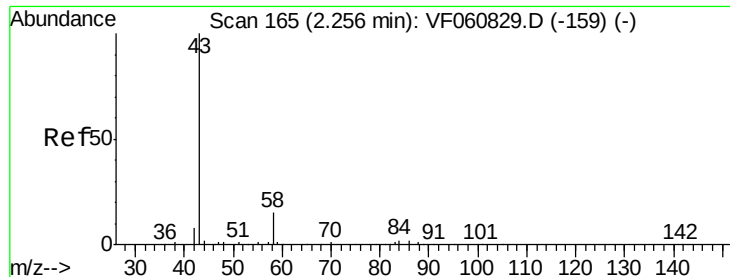
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 39.6 40.7 61.1#





#16

Acetone

Concen: 1.214 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.08 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

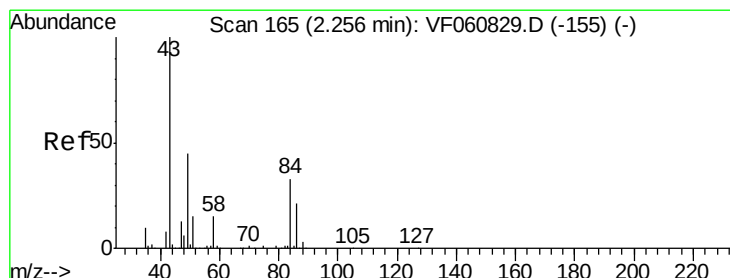
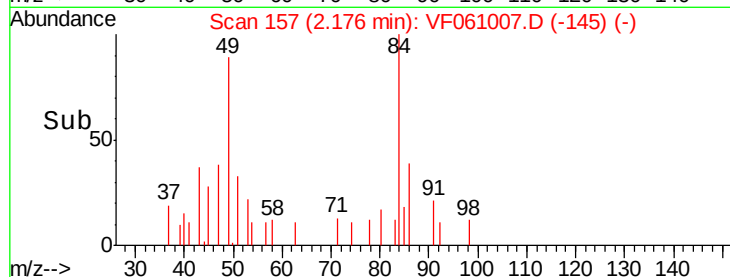
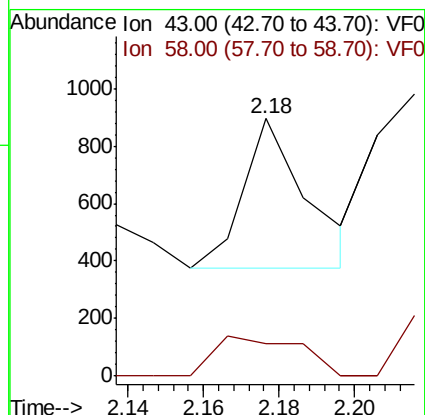
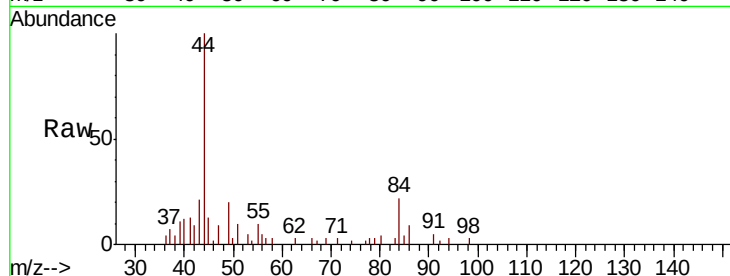
NR38-G1-110718RE

Tot Ion: 43 Resp: 595

Ion Ratio Lower Upper

43 100

58 12.4 11.4 17.2



#20

Methylene Chloride

Concen: 2.034 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Tgt Ion: 84 Resp: 3659

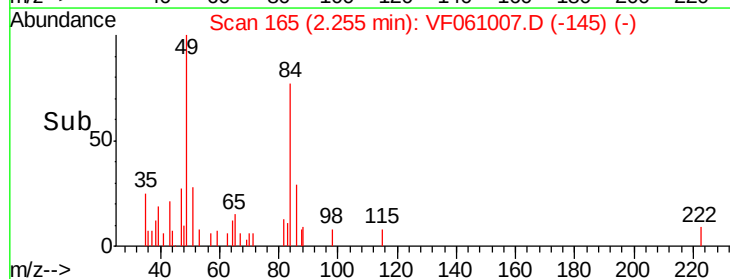
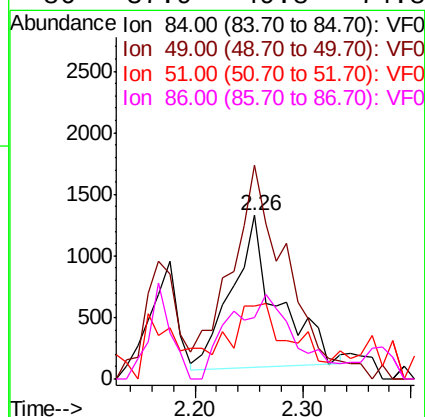
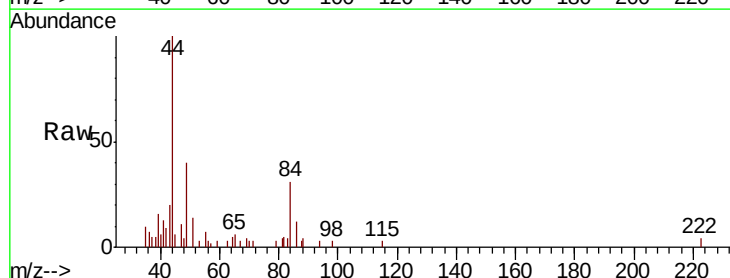
Ion Ratio Lower Upper

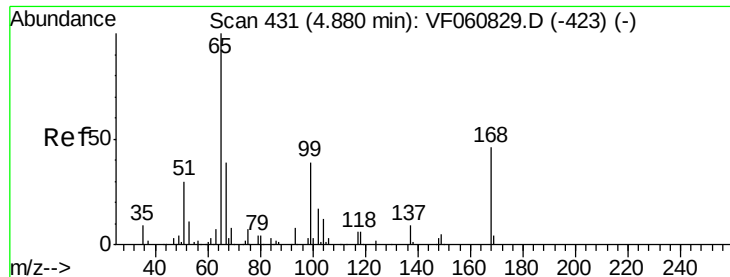
84 100

49 130.6 111.3 166.9

51 44.7 38.0 57.0

86 37.9 49.8 74.8#

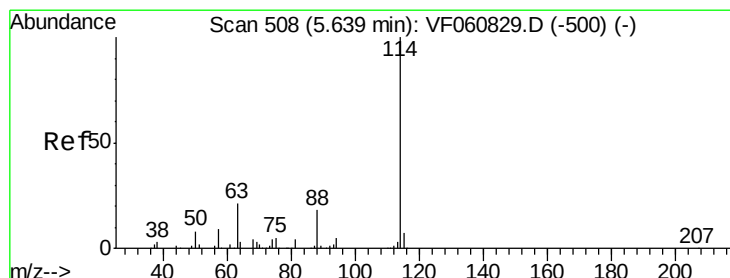
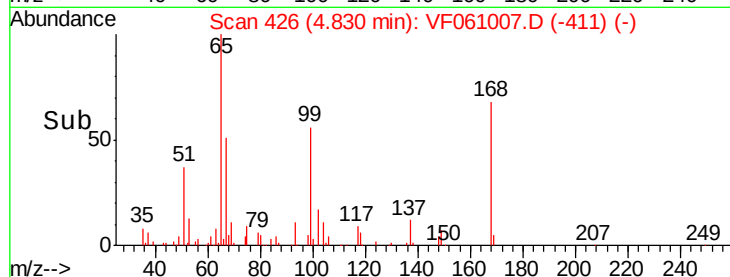
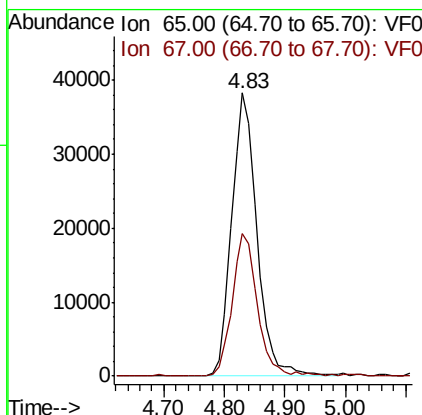
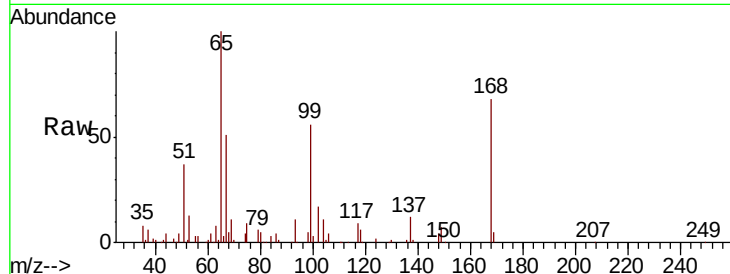




#33
 1,2-Dichloroethane-d4
 Concen: 41.816 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF061007.D
 Acq: 12 Dec 2018 20:40

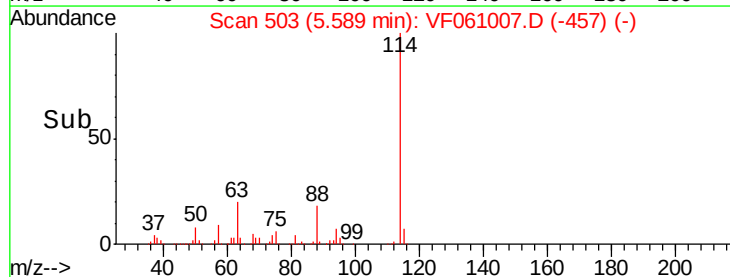
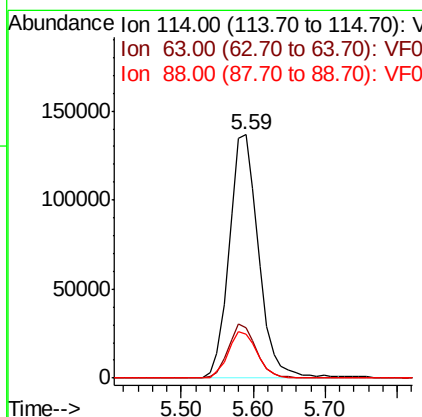
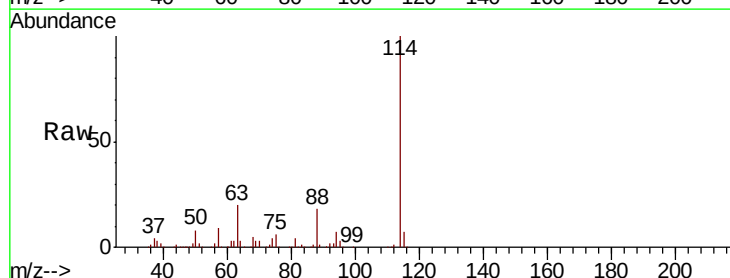
Instrument :
 MSVOA_F
 ClientSampleId :
 NR38-G1-110718RE

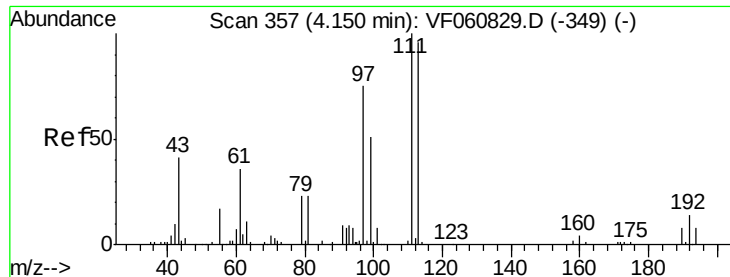
Tot Ion: 65 Resp: 111175
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061007.D
 Acq: 12 Dec 2018 20:40

Tgt Ion: 114 Resp: 387450
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 18.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 41.492 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

NR38-G1-110718RE

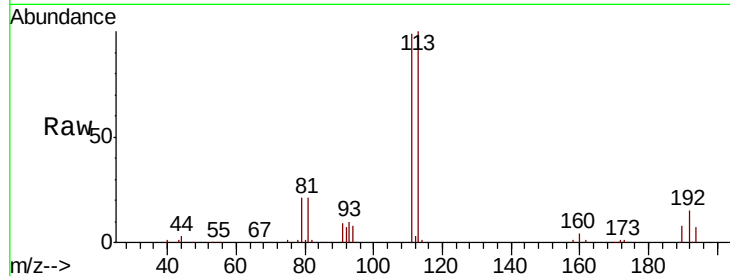
Tot Ion:113 Resp: 127536

Ion Ratio Lower Upper

113 100

111 99.3 83.0 124.6

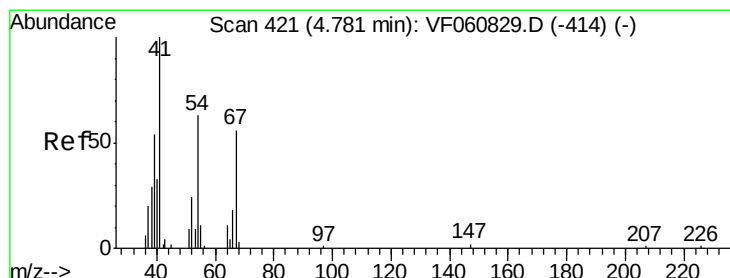
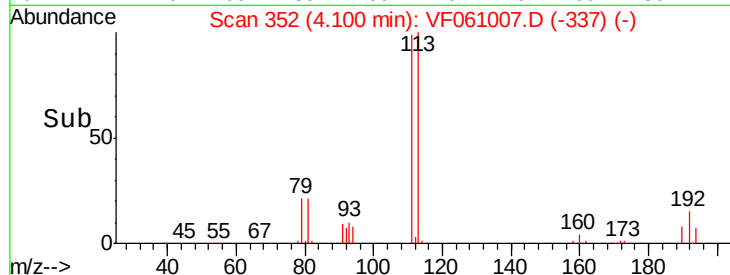
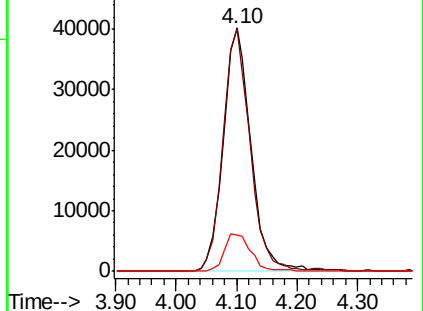
192 15.1 12.3 18.5



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.73 min Scan# 416

Delta R.T. -0.05 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Tgt Ion: 41 Resp: 102

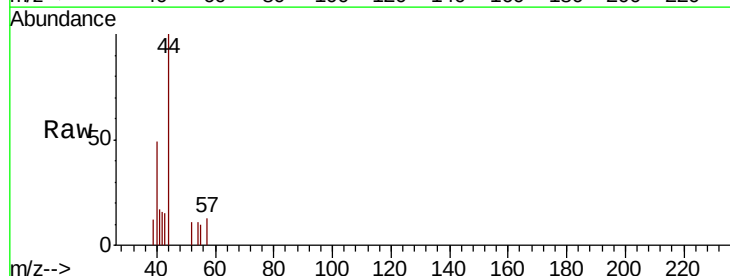
Ion Ratio Lower Upper

41 100

39 71.1 53.0 79.6

67 0.0 43.8 65.6#

52 63.0 37.8 56.8#

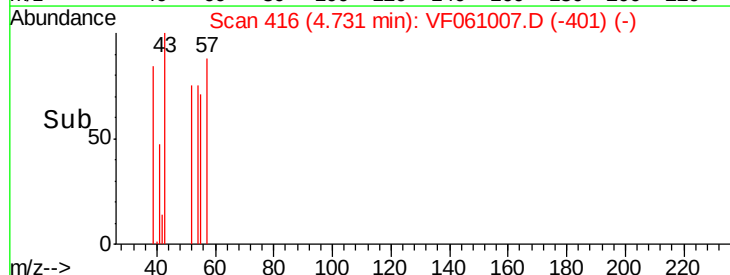
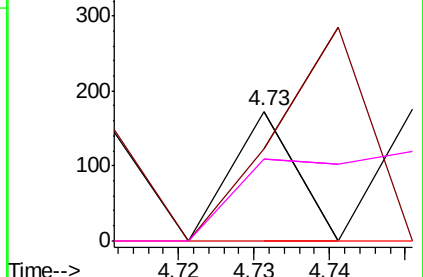


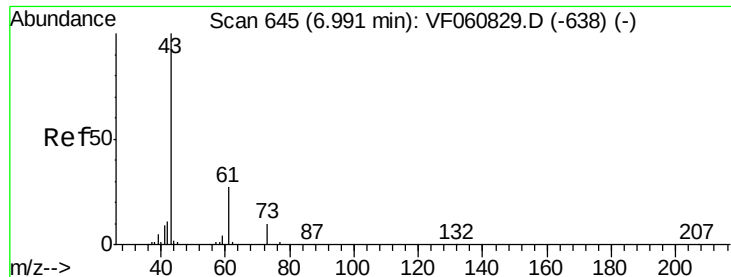
Abundance Ion 41.00 (40.70 to 41.70): VF0

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





#43

Isopropyl Acetate

Concen: Below Cal

RT: 6.93 min Scan# 639

Delta R.T. -0.06 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

NR38-G1-110718RE

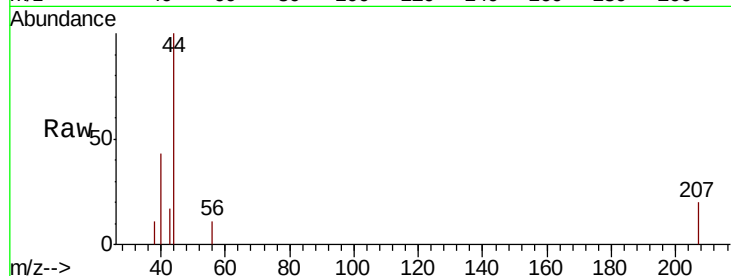
Tot Ion: 43 Resp: 203

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

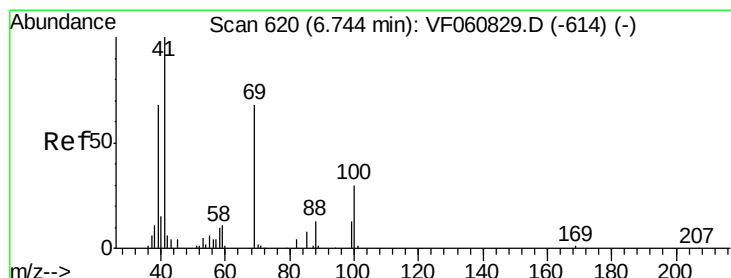
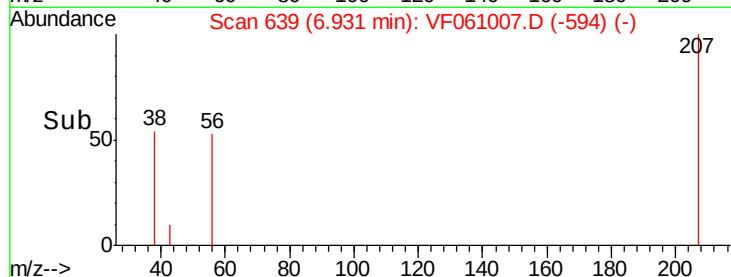
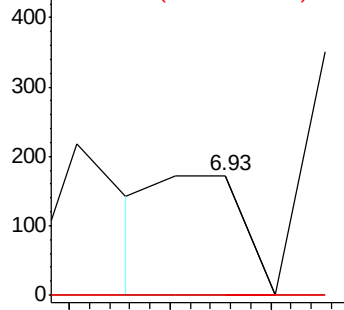
87 0.0 0.2 0.4#



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



#49

1,4-Dioxane

Concen: 5.964 ug/l

RT: 6.84 min Scan# 630

Delta R.T. 0.10 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

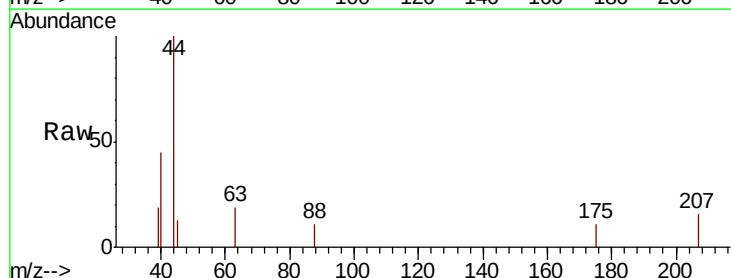
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 0.0 42.0 63.0#

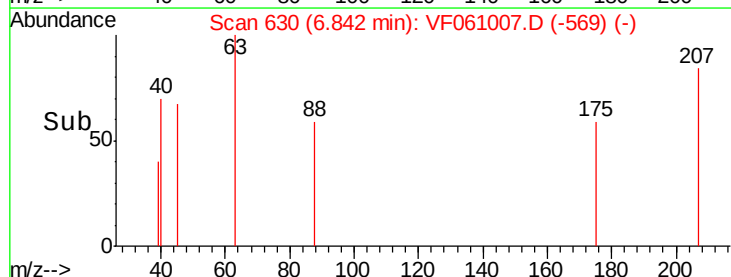
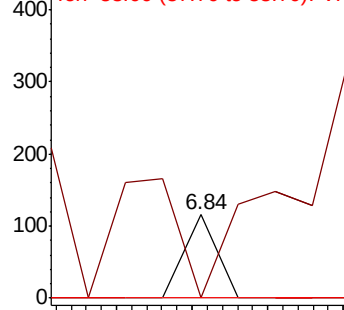
58 0.0 61.8 92.8#

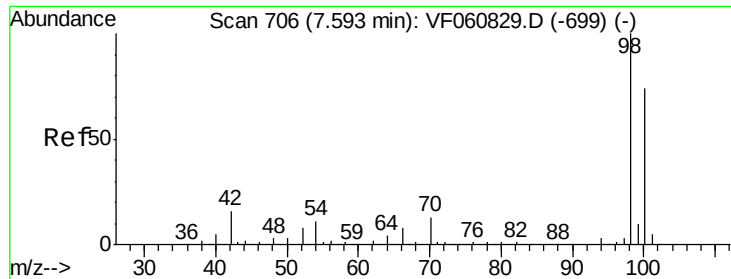


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

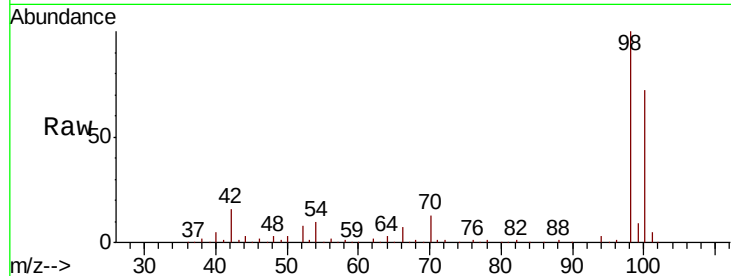




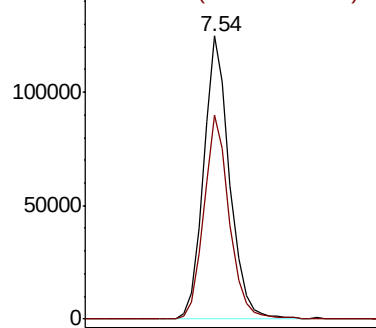
#50
Toluene-d8
Concen: 31.263 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061007.D
Acq: 12 Dec 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :
NR38-G1-110718RE

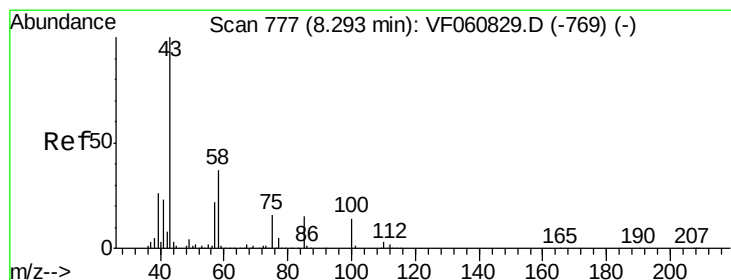
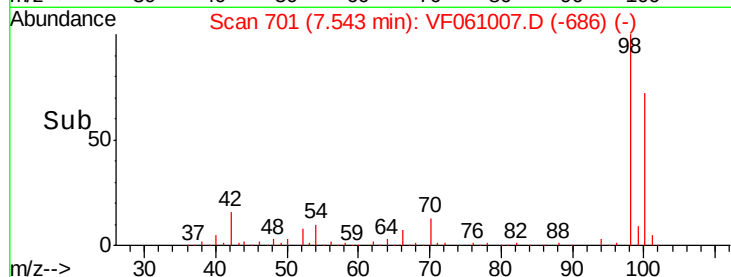
Tot Ion: 98 Resp: 283061
Ion Ratio Lower Upper
98 100
100 72.3 59.3 88.9



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

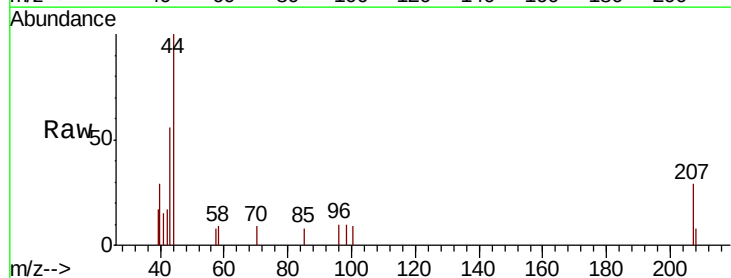


Time-->

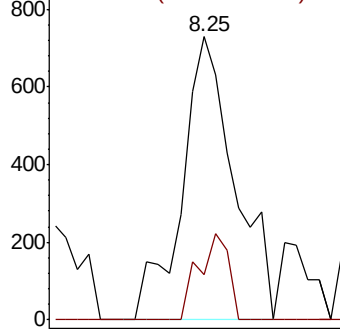


#51
4-Methyl-2-Pentanone
Concen: 1.420 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.04 min
Lab File: VF061007.D
Acq: 12 Dec 2018 20:40

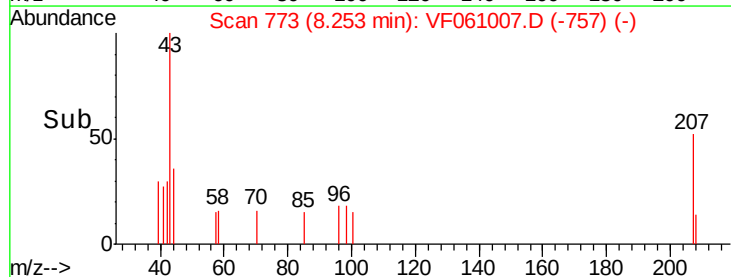
Tgt Ion: 43 Resp: 2287
Ion Ratio Lower Upper
43 100
58 16.0 29.7 44.5#

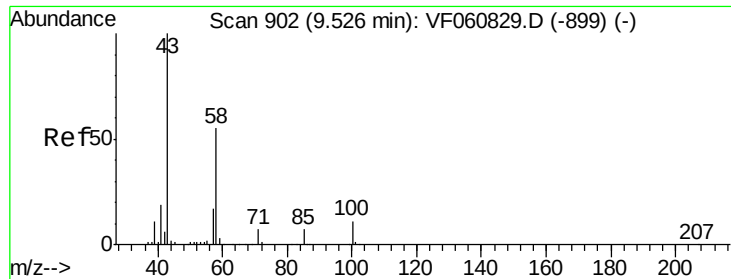


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



Time-->





#59

2-Hexanone

Concen: 1.484 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.05 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

Instrument :

MSVOA_F

ClientSampleId :

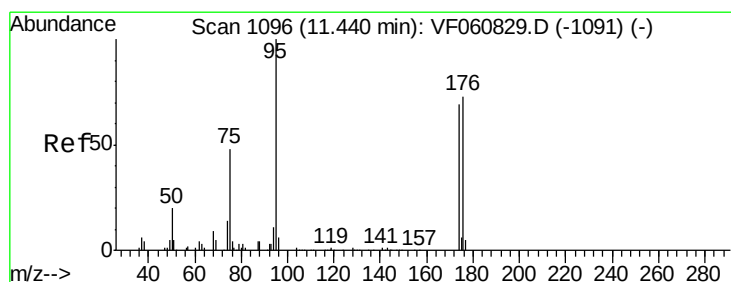
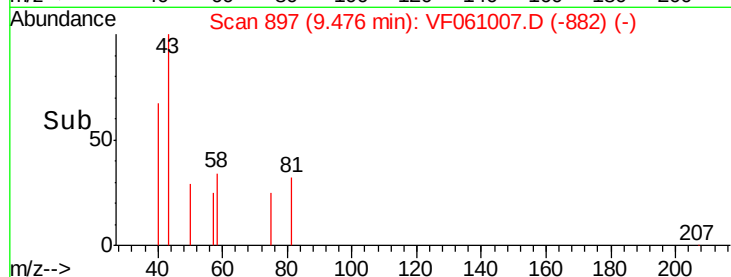
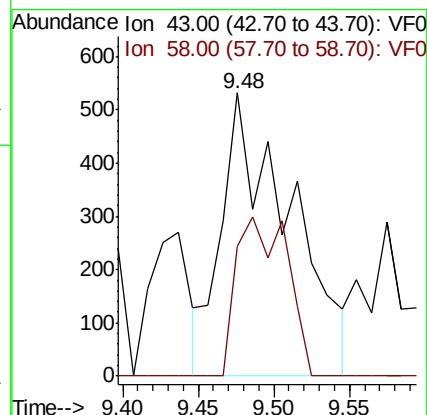
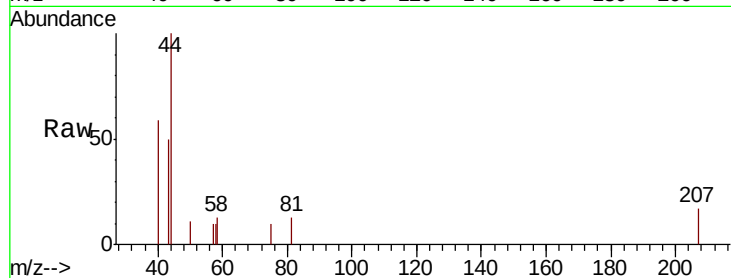
NR38-G1-110718RE

Tot Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 45.7 25.6 76.6



#62

4-Bromofluorobenzene

Concen: 28.620 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061007.D

Acq: 12 Dec 2018 20:40

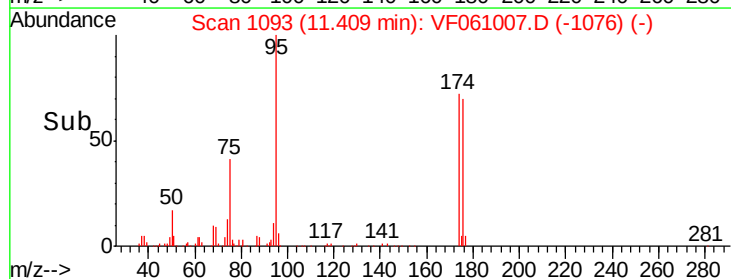
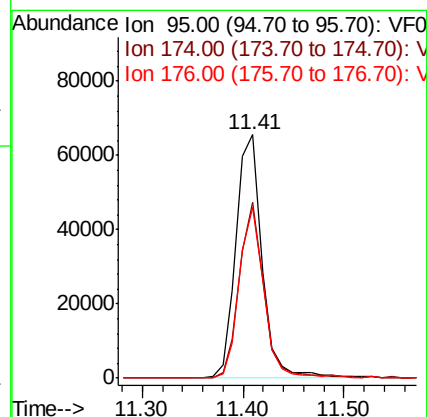
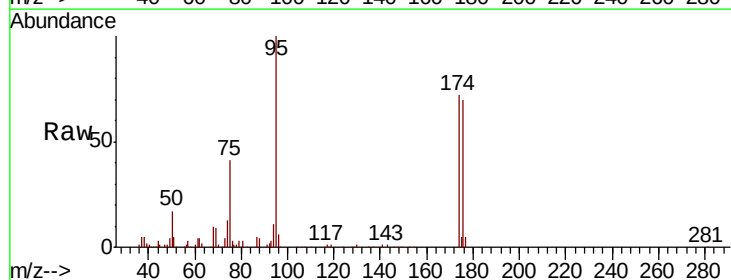
Tgt Ion: 95 Resp: 117773

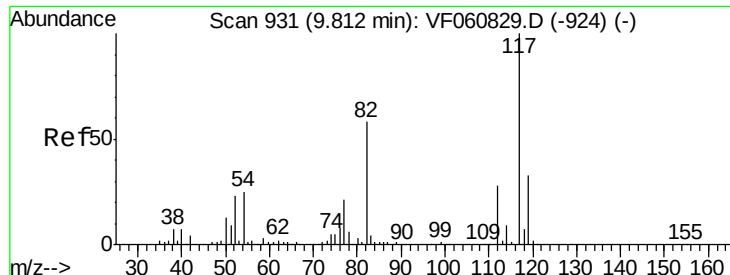
Ion Ratio Lower Upper

95 100

174 72.4 0.0 138.2

176 70.0 0.0 146.2

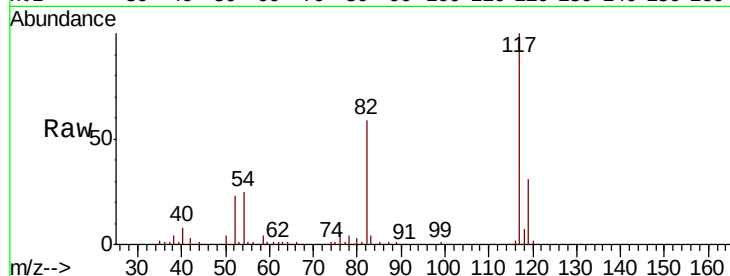




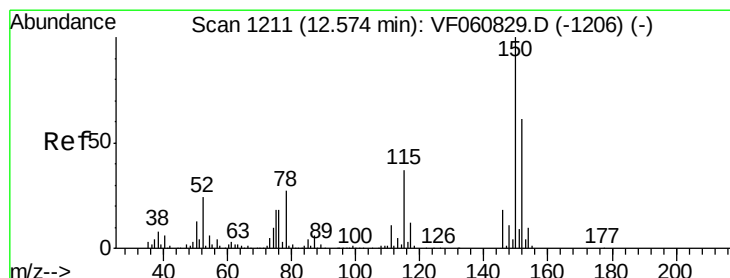
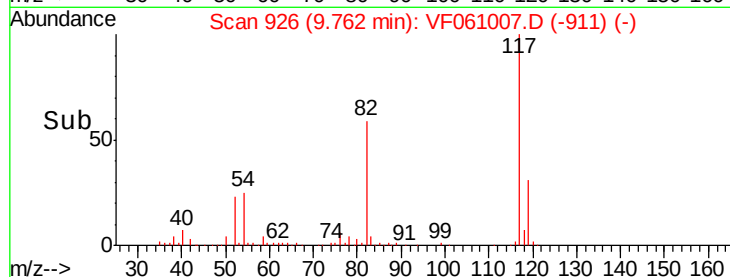
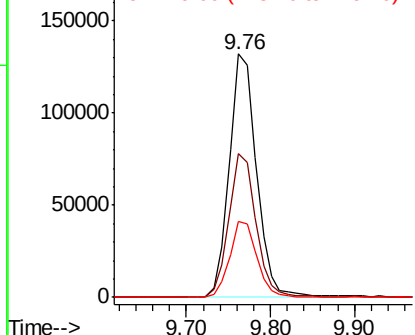
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF061007.D
Acq: 12 Dec 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :
NR38-G1-110718RE

Tot Ion:117 Resp: 298850
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 31.4 26.4 39.6

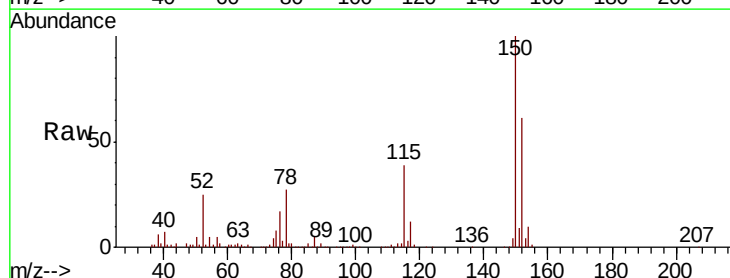


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

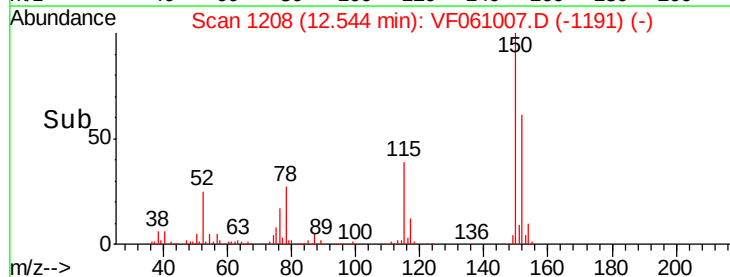
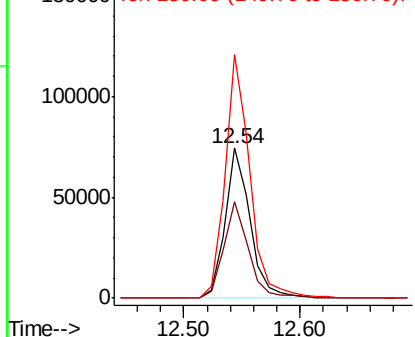


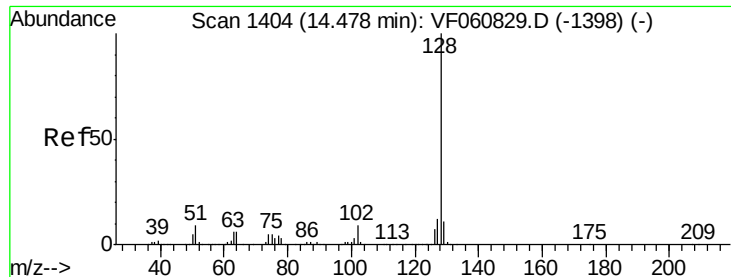
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061007.D
Acq: 12 Dec 2018 20:40

Tgt Ion:152 Resp: 110788
Ion Ratio Lower Upper
152 100
115 64.0 30.1 90.5
150 162.6 0.0 327.6



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





#95
Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061007.D
Acq: 12 Dec 2018 20:40

Instrument :
MSVOA_F
ClientSampleId :
NR38-G1-110718RE

Tot Ion:128 Resp: 7060
Ion Ratio Lower Upper
128 100
127 9.4 9.9 14.9#
129 11.5 9.1 13.7

