

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061009.D
 Acq On : 12 Dec 2018 21:38
 Operator : VA/AP
 Sample : J6316-07RE
 Misc : 4.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BORING-SAMPLE-CBH-591

Quant Time: Dec 13 01:27:49 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	4.85	168	235342	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	390582	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.77	117	331206	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	154777	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	111941	40.38	ug/l	-0.05
Spiked Amount			Recovery	=	80.76%	
35) Dibromofluoromethane	4.10	113	134965	43.56	ug/l	-0.05
Spiked Amount			Recovery	=	87.12%	
50) Toluene-d8	7.55	98	305366	33.46	ug/l	-0.05
Spiked Amount			Recovery	=	66.92%	
62) 4-Bromofluorobenzene	11.40	95	138738	33.44	ug/l	-0.04
Spiked Amount			Recovery	=	66.88%	

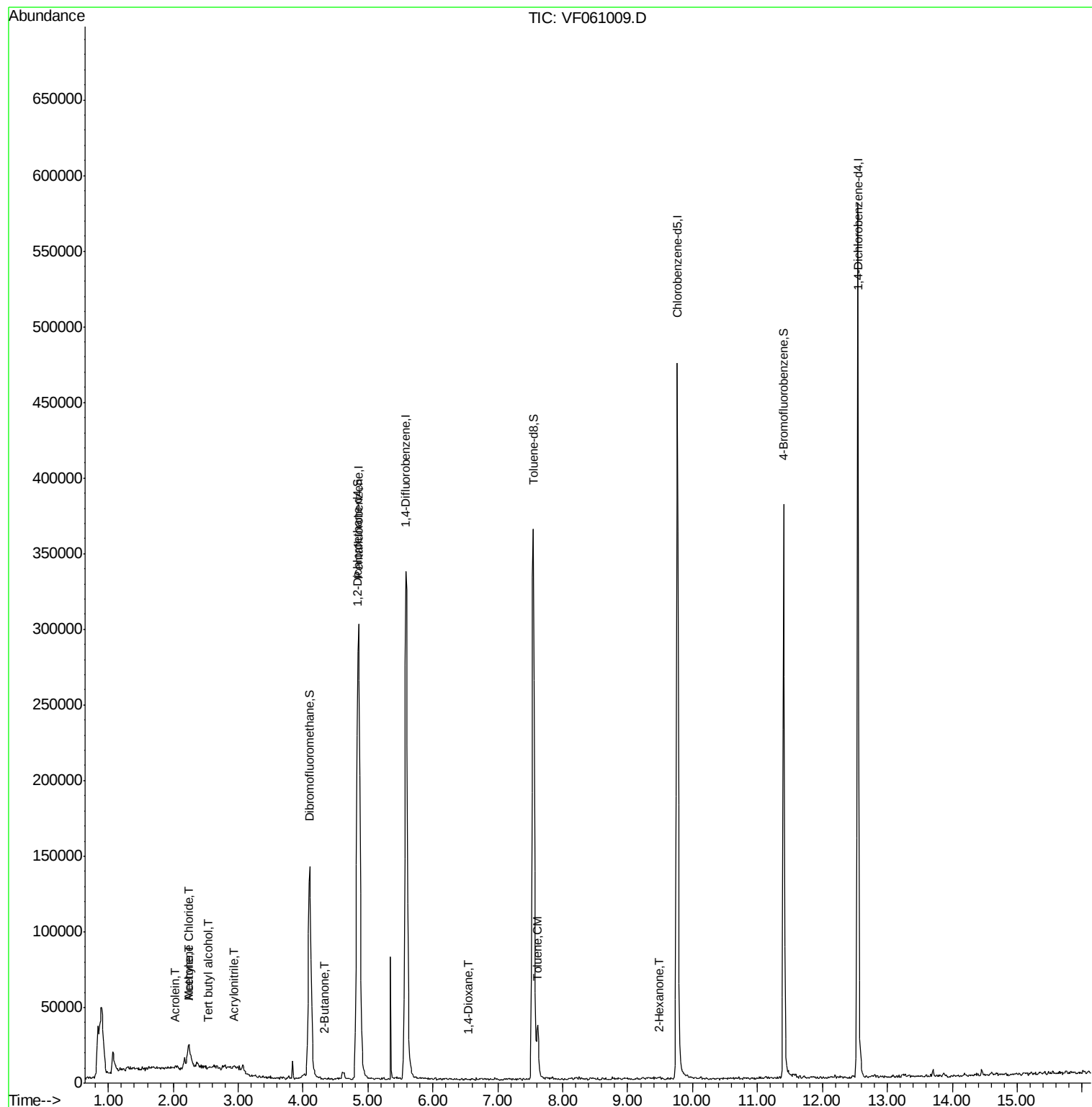
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	215	1.892	ug/l #	62
13) Acrolein	2.01	56	2009	18.658	ug/l	87
15) Acrylonitrile	2.94	53	640	2.512	ug/l #	33
16) Acetone	2.23	43	15281	29.890	ug/l #	92
18) Methyl Acetate	2.38	43	1199	Below Cal		92
20) Methylene Chloride	2.25	84	7923	4.224	ug/l	93
25) 2-Butanone	4.31	43	1153	1.304	ug/l #	57
41) Methacrylonitrile	4.76	41	325	Below Cal	#	53
43) Isopropyl Acetate	6.91	43	179	Below Cal	#	49
49) 1,4-Dioxane	6.55	88	69	5.916	ug/l #	1
52) Toluene	7.62	92	17118	2.546	ug/l	91
59) 2-Hexanone	9.48	43	1545	1.357	ug/l	64
95) Naphthalene	14.45	128	1384	Below Cal	#	80

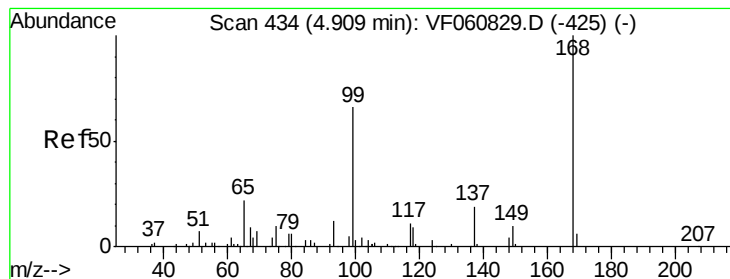
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
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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: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF061009.D

Acq: 12 Dec 2018 21:38

Instrument :

MSVOA_F

ClientSampleId :

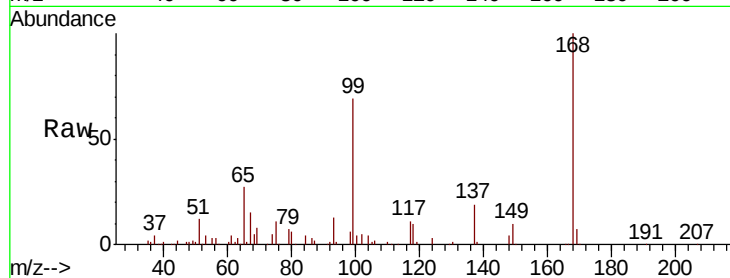
BORING-SAMPLE-CBH-591

Tot Ion:168 Resp: 235342

Ion Ratio Lower Upper

168 100

99 68.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

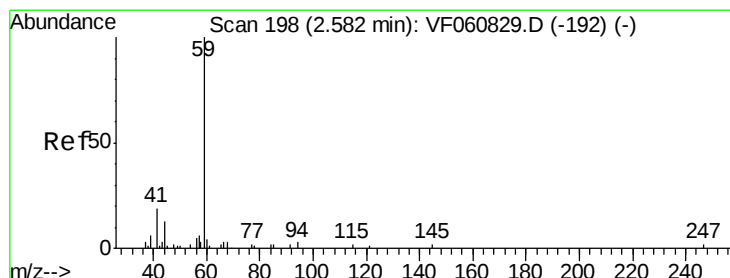
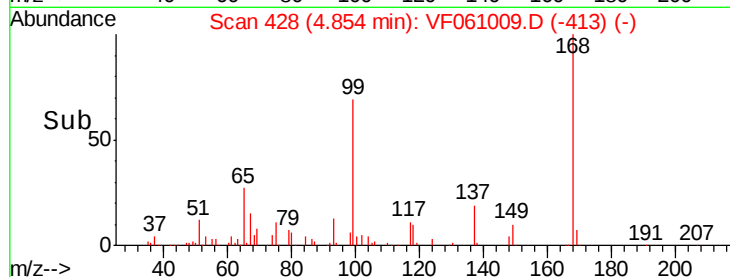
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.892 ug/l

RT: 2.55 min Scan# 194

Delta R.T. -0.04 min

Lab File: VF061009.D

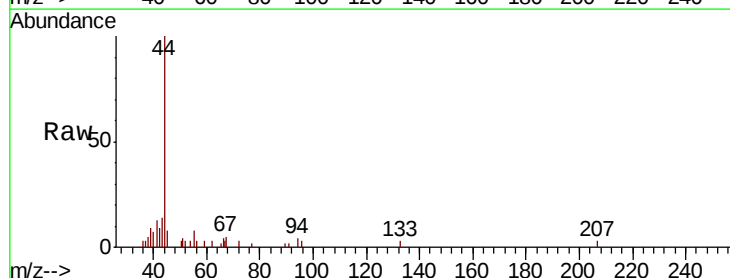
Acq: 12 Dec 2018 21:38

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

59 100

57 0.0 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

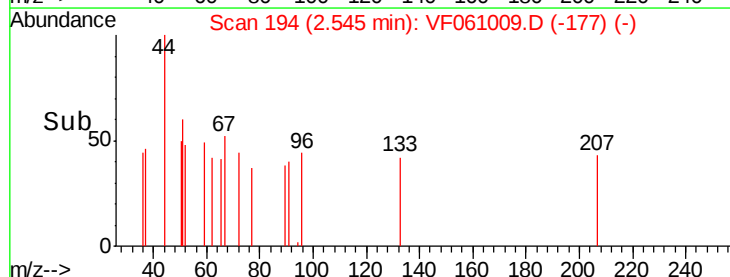
100

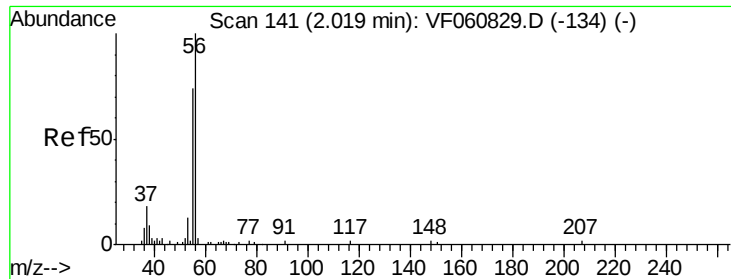
50

0

2.50 2.55 2.60

Time-->

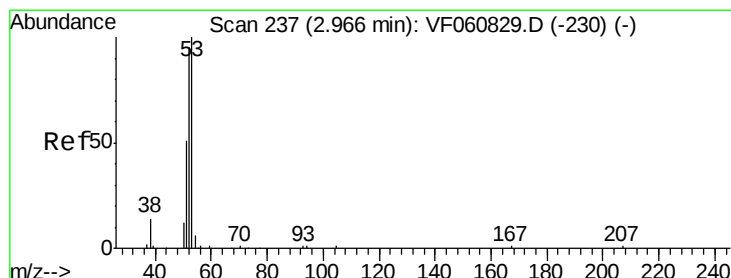
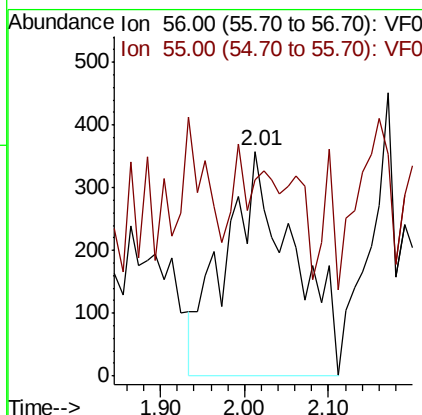
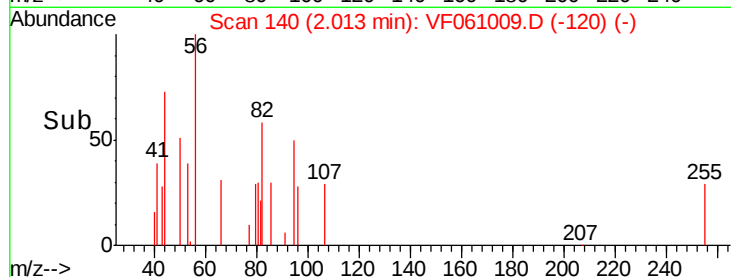
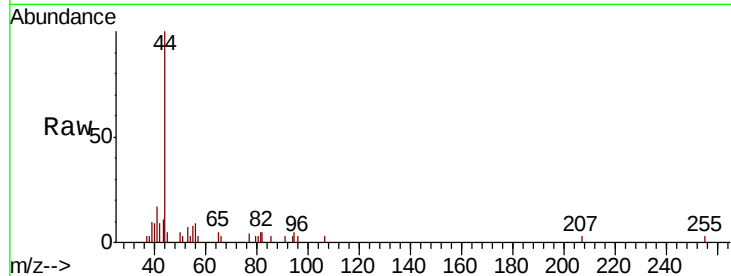




#13
Acrolein
Concen: 18.658 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

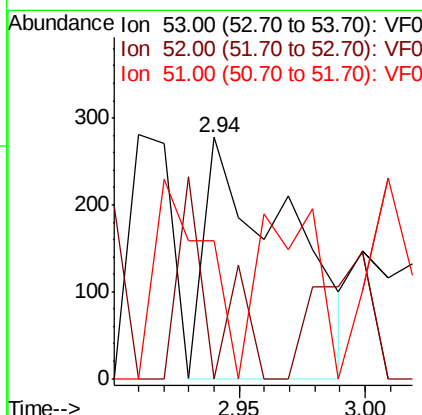
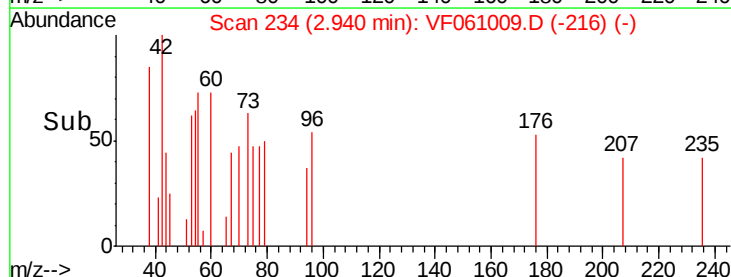
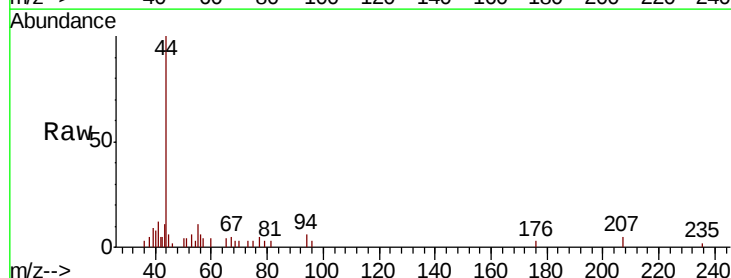
Instrument :
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BORING-SAMPLE-CBH-591

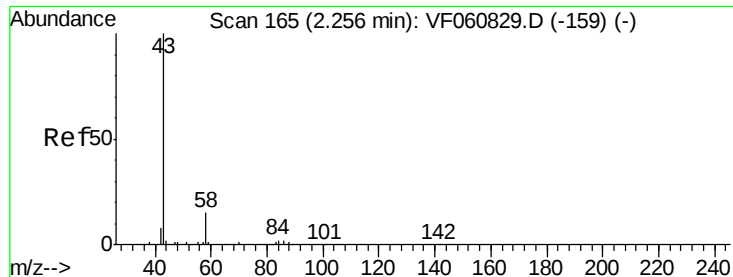
Tot Ion: 56 Resp: 2009
Ion Ratio Lower Upper
56 100
55 87.4 61.2 91.8



#15
Acrylonitrile
Concen: 2.512 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.03 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

Tgt Ion: 53 Resp: 640
Ion Ratio Lower Upper
53 100
52 0.0 76.5 114.7#
51 56.8 40.7 61.1

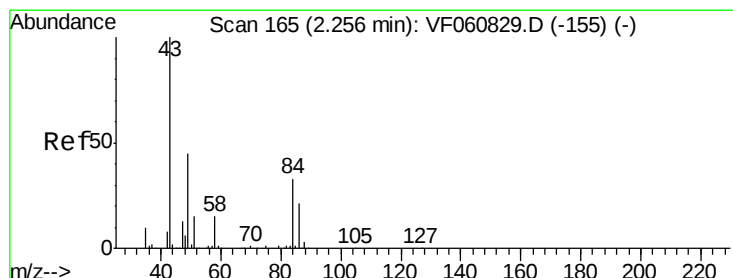
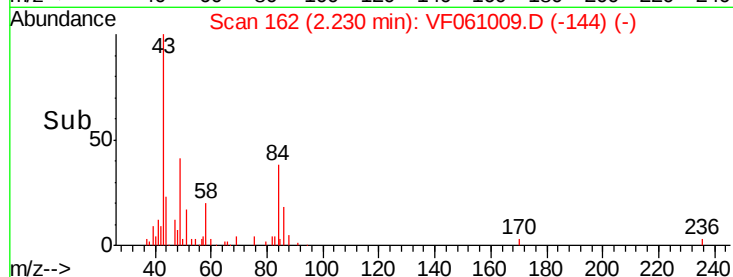
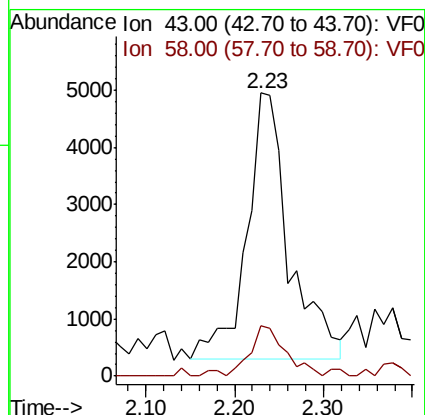
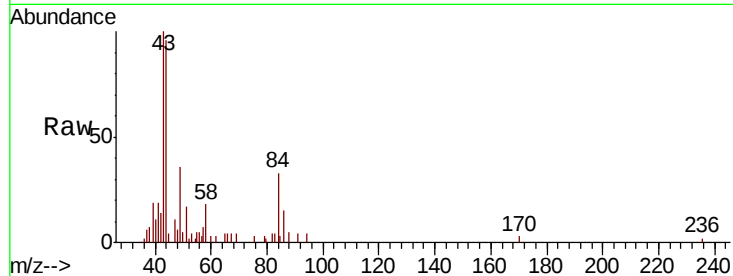




#16
Acetone
Concen: 29.890 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

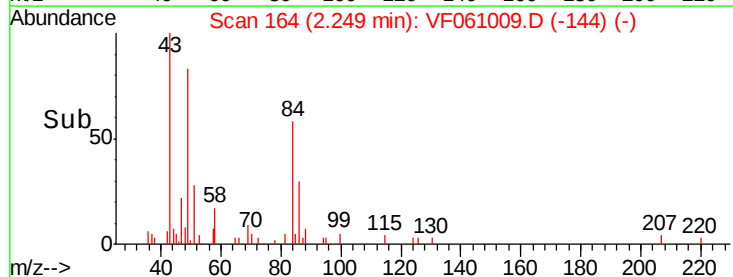
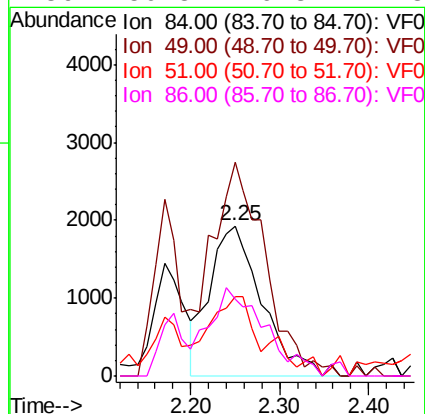
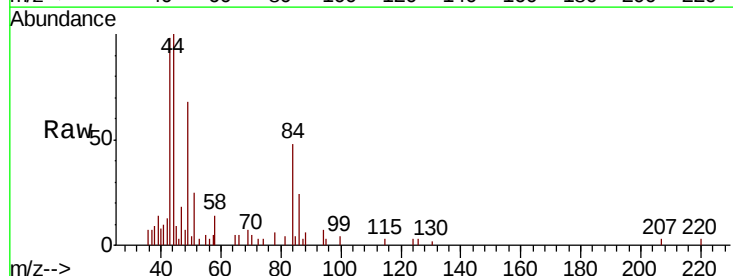
Instrument :
MSVOA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

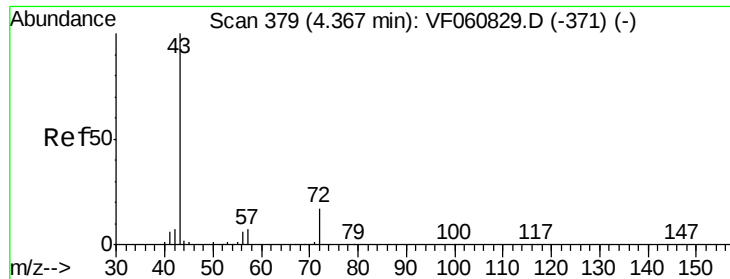
Tot Ion: 43 Resp: 15281
Ion Ratio Lower Upper
43 100
58 17.7 11.4 17.2#



#20
Methylene Chloride
Concen: 4.224 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

Tgt Ion: 84 Resp: 7923
Ion Ratio Lower Upper
84 100
49 142.1 111.3 166.9
51 53.1 38.0 57.0
86 50.8 49.8 74.8





#25

2-Butanone

Concen: 1.304 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.06 min

Lab File: VF061009.D

Acq: 12 Dec 2018 21:38

Instrument :

MSVOA_F

ClientSampleId :

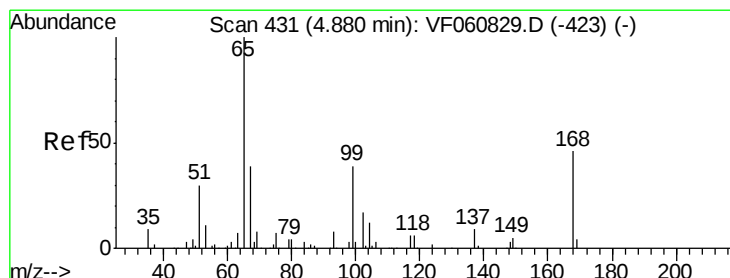
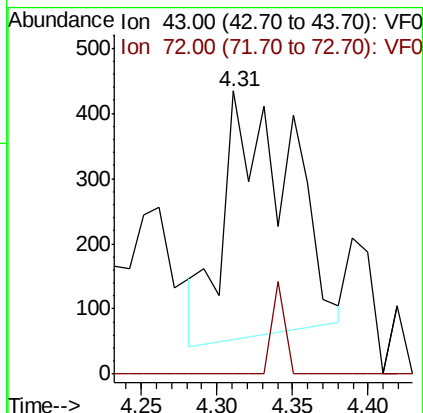
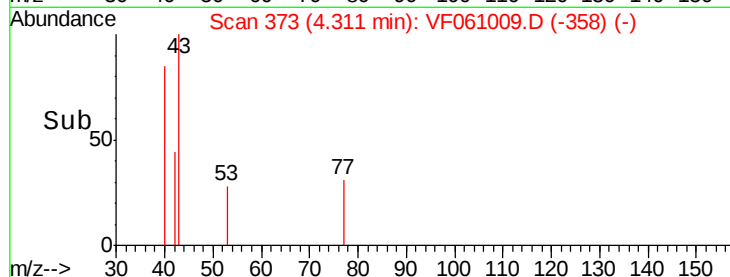
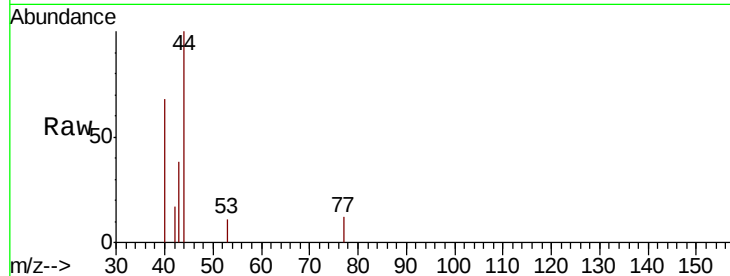
BORING-SAMPLE-CBH-591

Tot Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#33

1,2-Dichloroethane-d4

Concen: 40.377 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061009.D

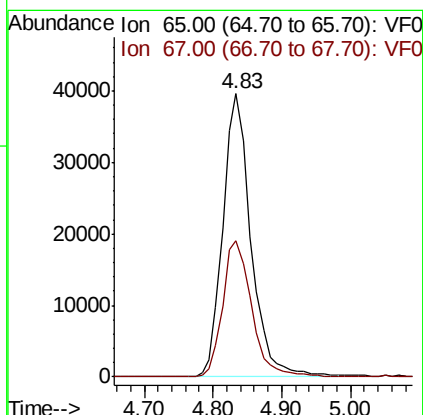
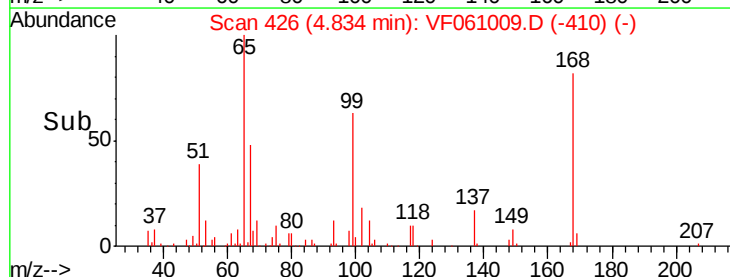
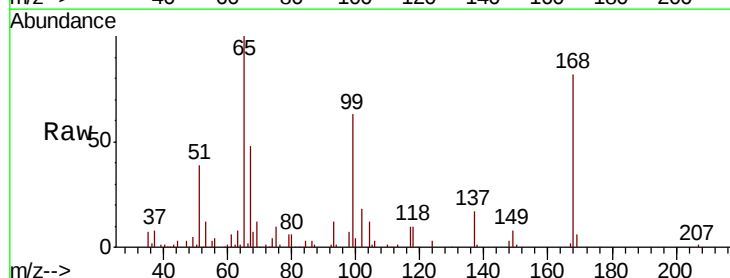
Acq: 12 Dec 2018 21:38

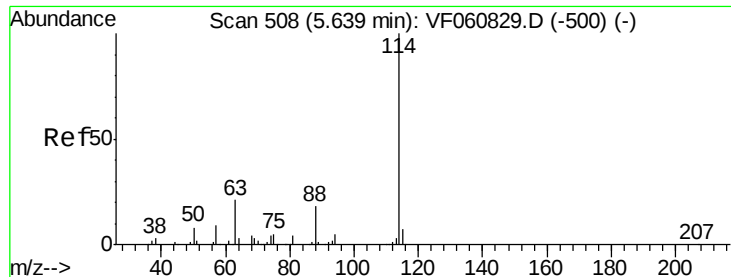
Tgt Ion: 65 Resp: 111941

Ion Ratio Lower Upper

65 100

67 48.3 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.06 min

Lab File: VF061009.D

Acq: 12 Dec 2018 21:38

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

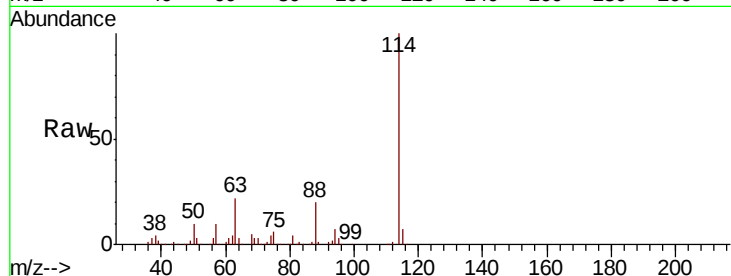
Tot Ion:114 Resp: 390582

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

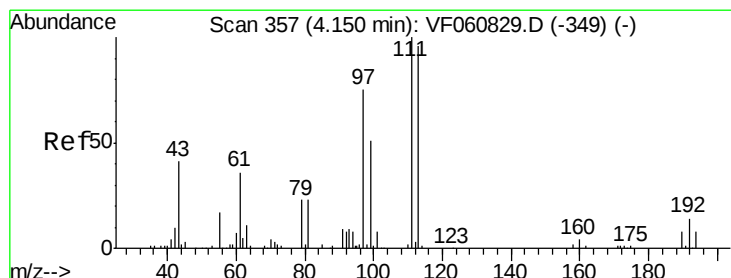
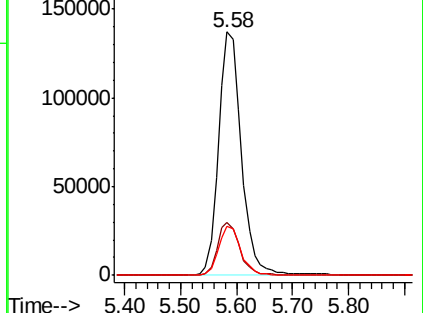
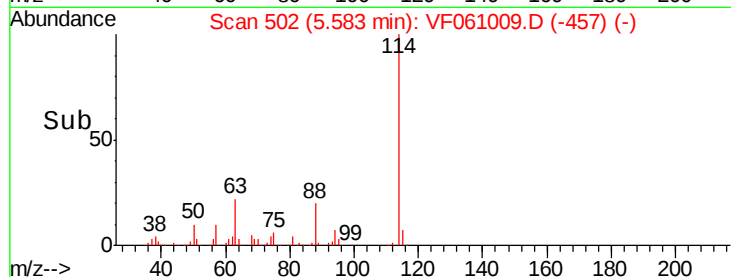
88 19.9 0.0 36.6



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: 43.557 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF061009.D

Acq: 12 Dec 2018 21:38

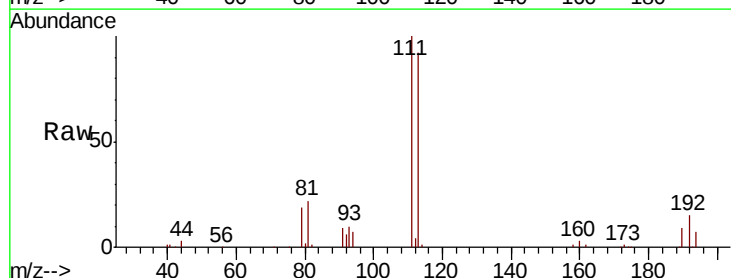
Tgt Ion:113 Resp: 134965

Ion Ratio Lower Upper

113 100

111 108.6 83.0 124.6

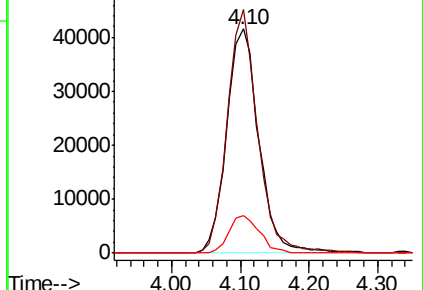
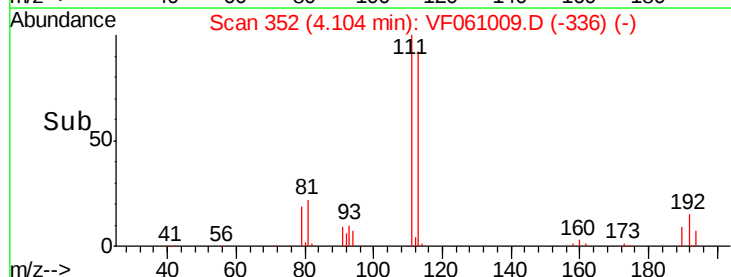
192 16.6 12.3 18.5

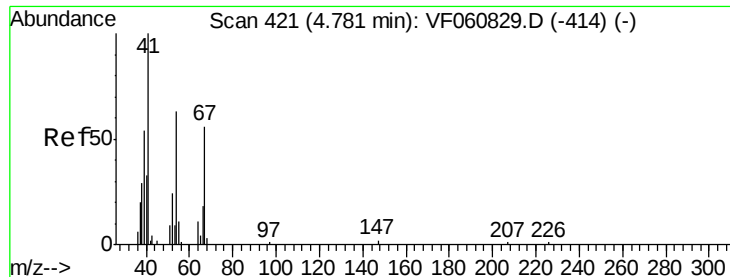


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

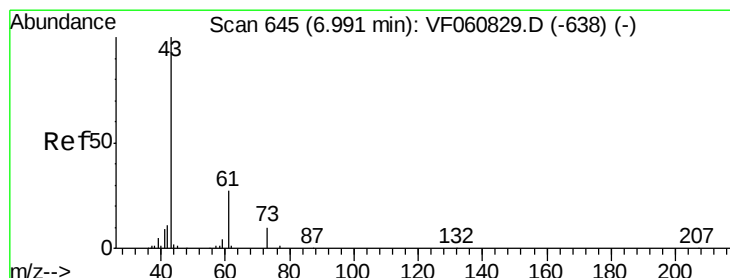
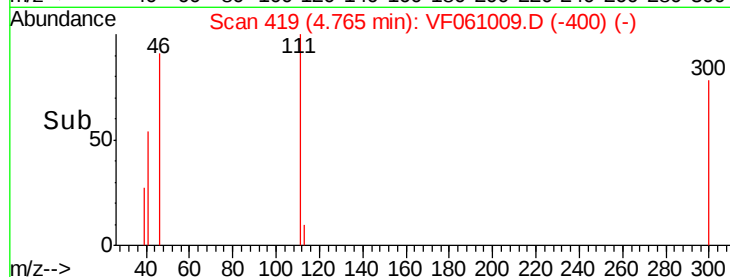
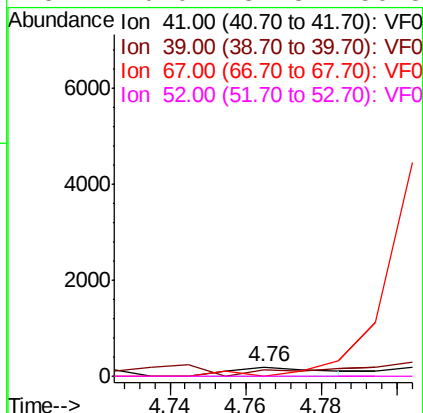
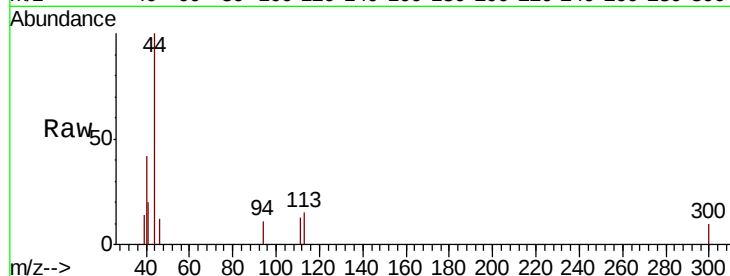




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

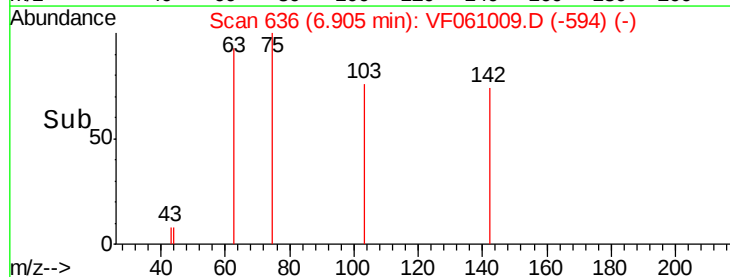
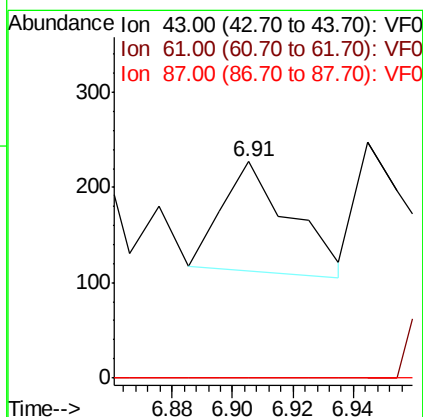
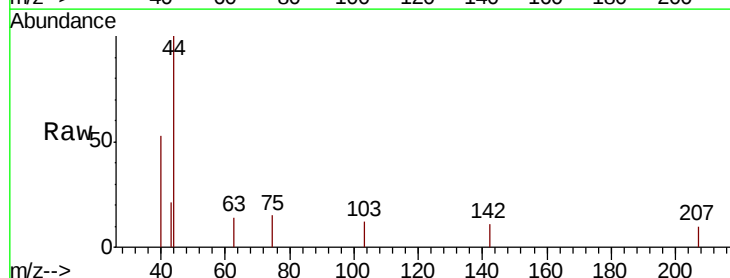
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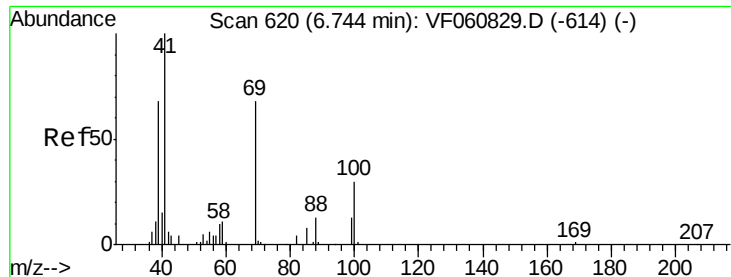
Tot Ion: 41 Resp: 325
Ion Ratio Lower Upper
41 100
39 70.5 53.0 79.6
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.91 min Scan# 636
Delta R.T. -0.08 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#





#49

1,4-Dioxane

Concen: 5.916 ug/l

RT: 6.55 min Scan# 600

Delta R.T. -0.19 min

Lab File: VF061009.D

Acq: 12 Dec 2018 21:38

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

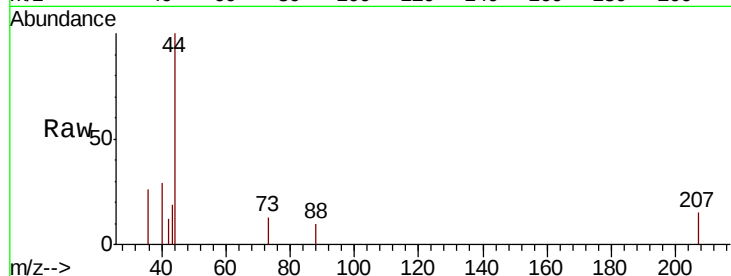
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 194.0 42.0 63.0#

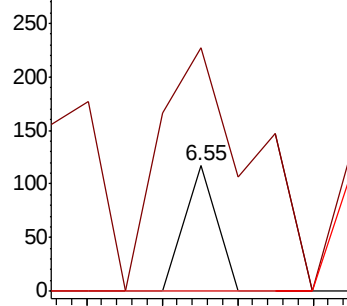
58 0.0 61.8 92.8#



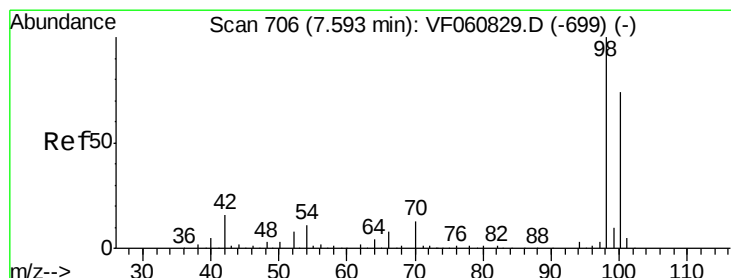
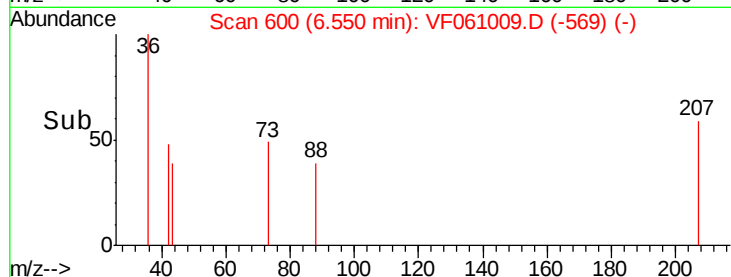
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 33.456 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.05 min

Lab File: VF061009.D

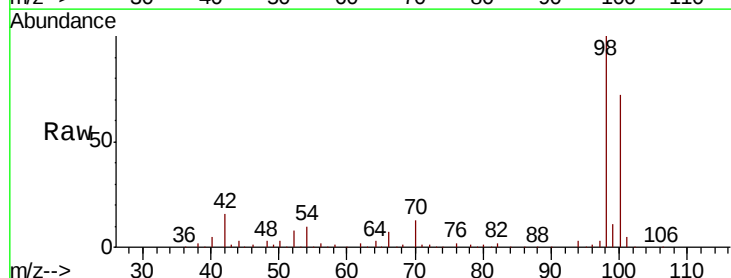
Acq: 12 Dec 2018 21:38

Tgt Ion: 98 Resp: 305366

Ion Ratio Lower Upper

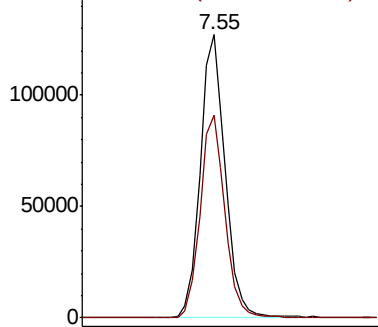
98 100

100 71.8 59.3 88.9

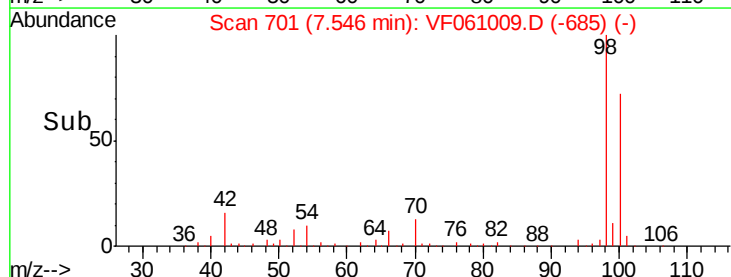


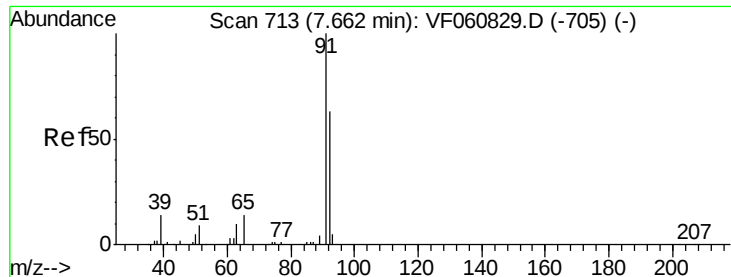
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#52

Toluene

Concen: 2.546 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF061009.D

Acq: 12 Dec 2018 21:38

Instrument :

MSVOA_F

ClientSampleId :

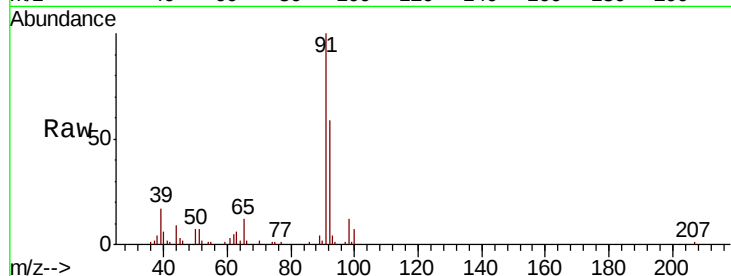
BORING-SAMPLE-CBH-591

Tot Ion: 92 Resp: 17118

Ion Ratio Lower Upper

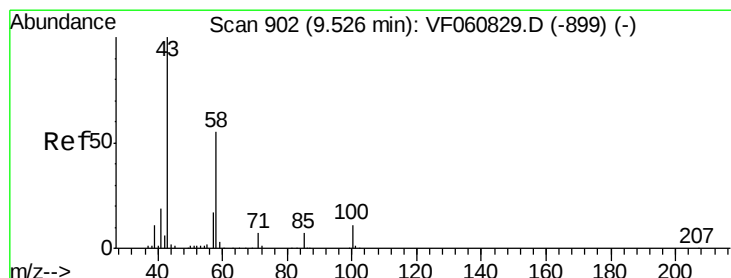
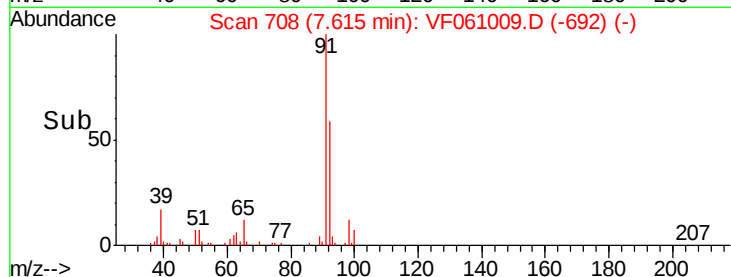
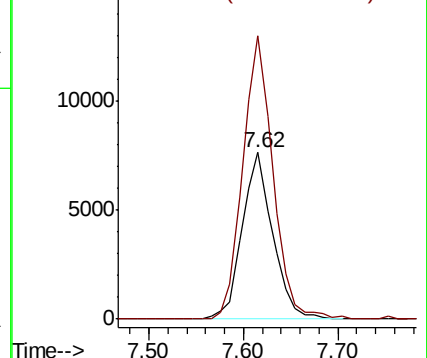
92 100

91 169.9 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: 1.357 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.05 min

Lab File: VF061009.D

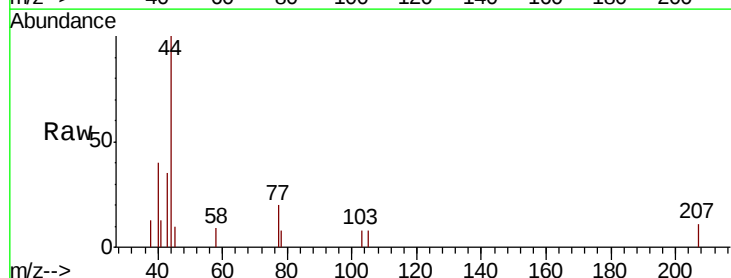
Acq: 12 Dec 2018 21:38

Tgt Ion: 43 Resp: 1545

Ion Ratio Lower Upper

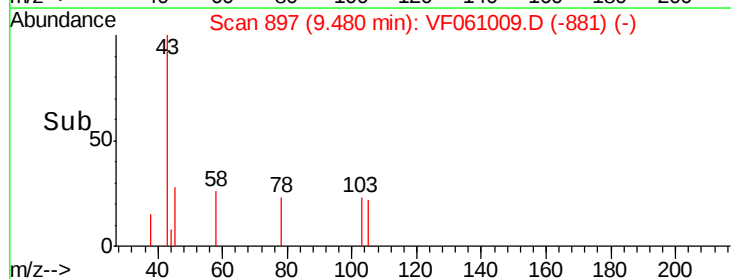
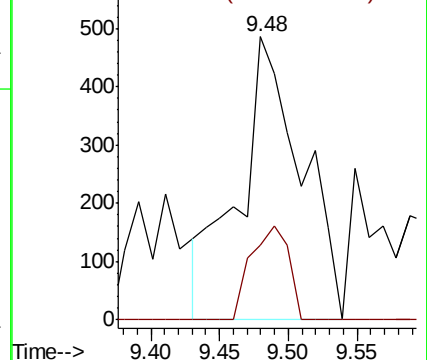
43 100

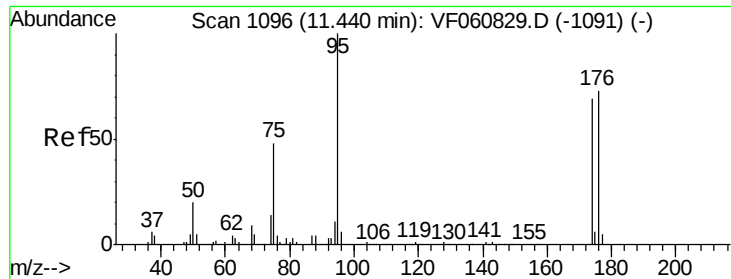
58 26.3 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

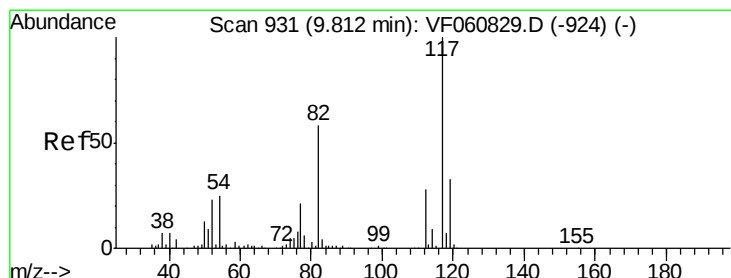
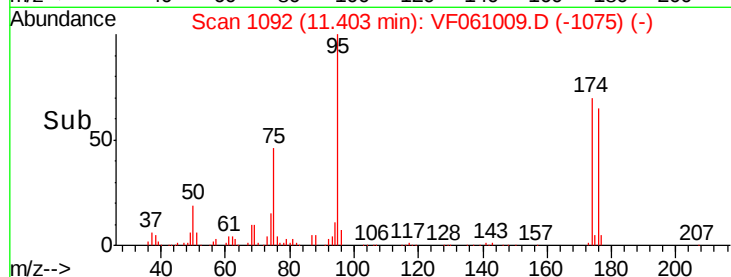
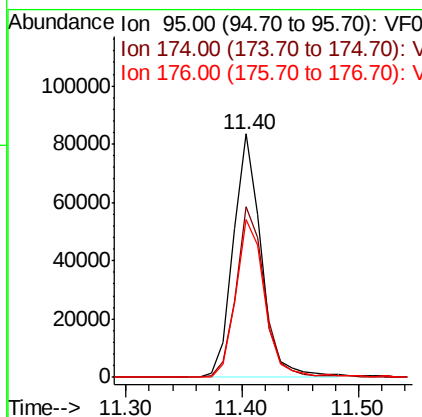
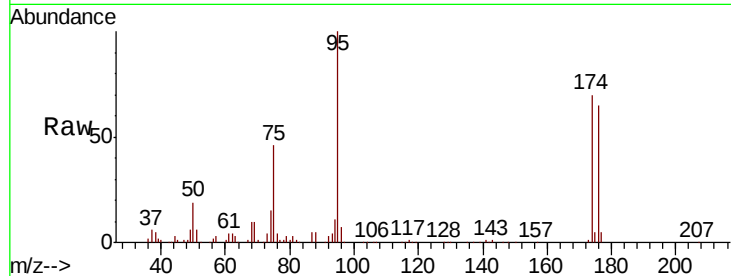




#62
4-Bromofluorobenzene
Concen: 33.444 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

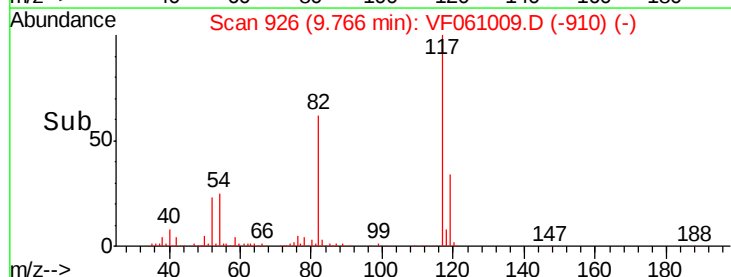
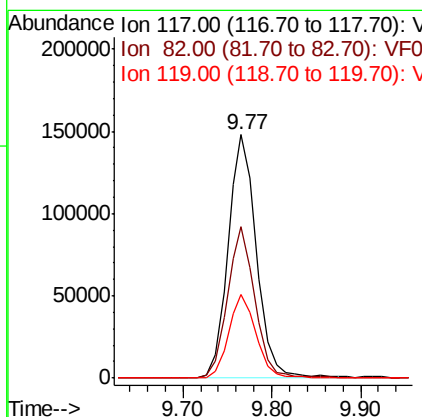
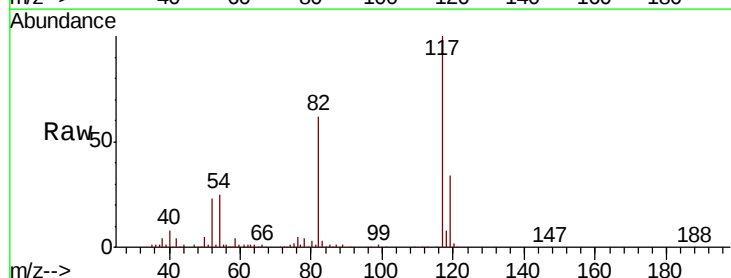
Instrument :
MSVOA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

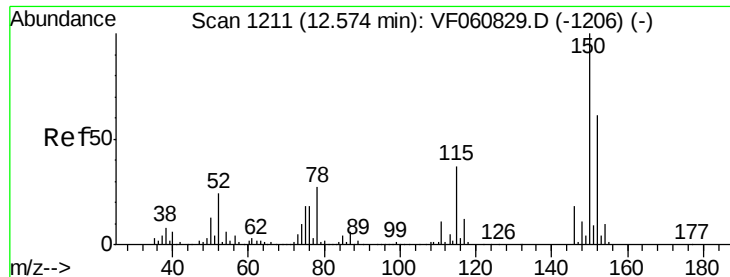
Tot Ion: 95 Resp: 138738
Ion Ratio Lower Upper
95 100
174 70.1 0.0 138.2
176 65.1 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

Tgt Ion: 117 Resp: 331206
Ion Ratio Lower Upper
117 100
82 62.2 46.6 69.8
119 34.3 26.4 39.6



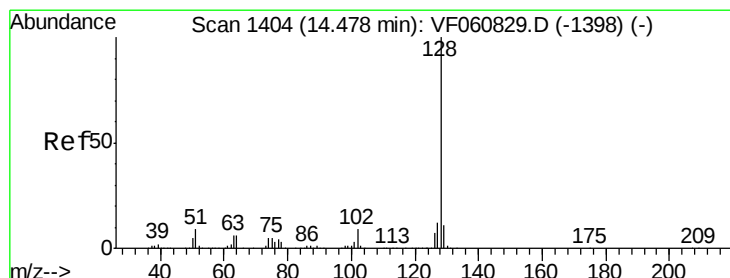
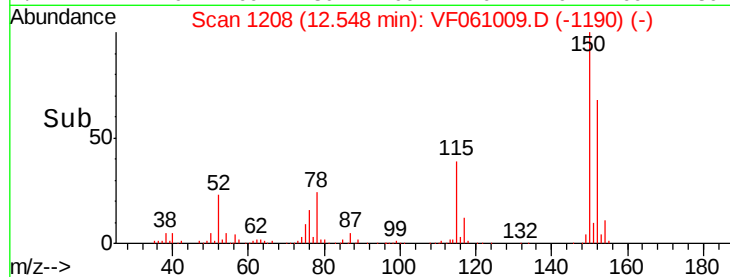
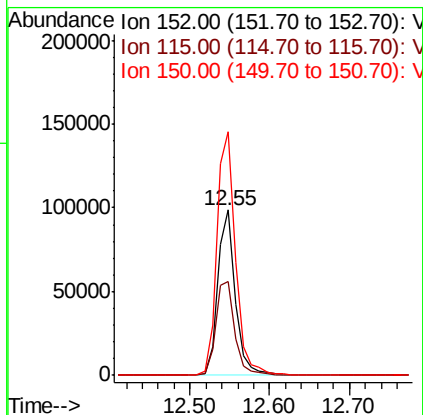
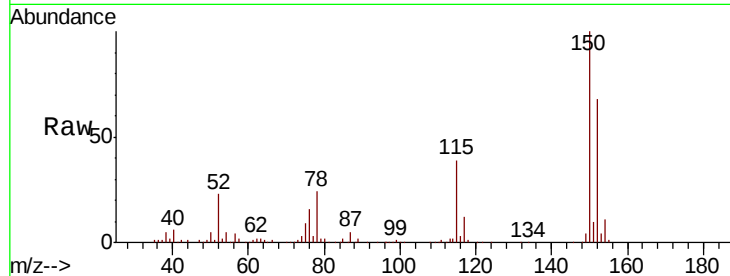


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

Instrument :
MSVOA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion:152 Resp: 154777
Ion Ratio Lower Upper
152 100
115 57.2 30.1 90.5
150 147.5 0.0 327.6



#95

Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061009.D
Acq: 12 Dec 2018 21:38

Tgt Ion:128 Resp: 1384
Ion Ratio Lower Upper
128 100
127 0.0 9.9 14.9#
129 14.0 9.1 13.7#

