

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060990.D
 Acq On : 11 Dec 2018 21:48
 Operator : VA/AP
 Sample : J6316-07
 Misc : 5.54g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Dec 12 06:30:05 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

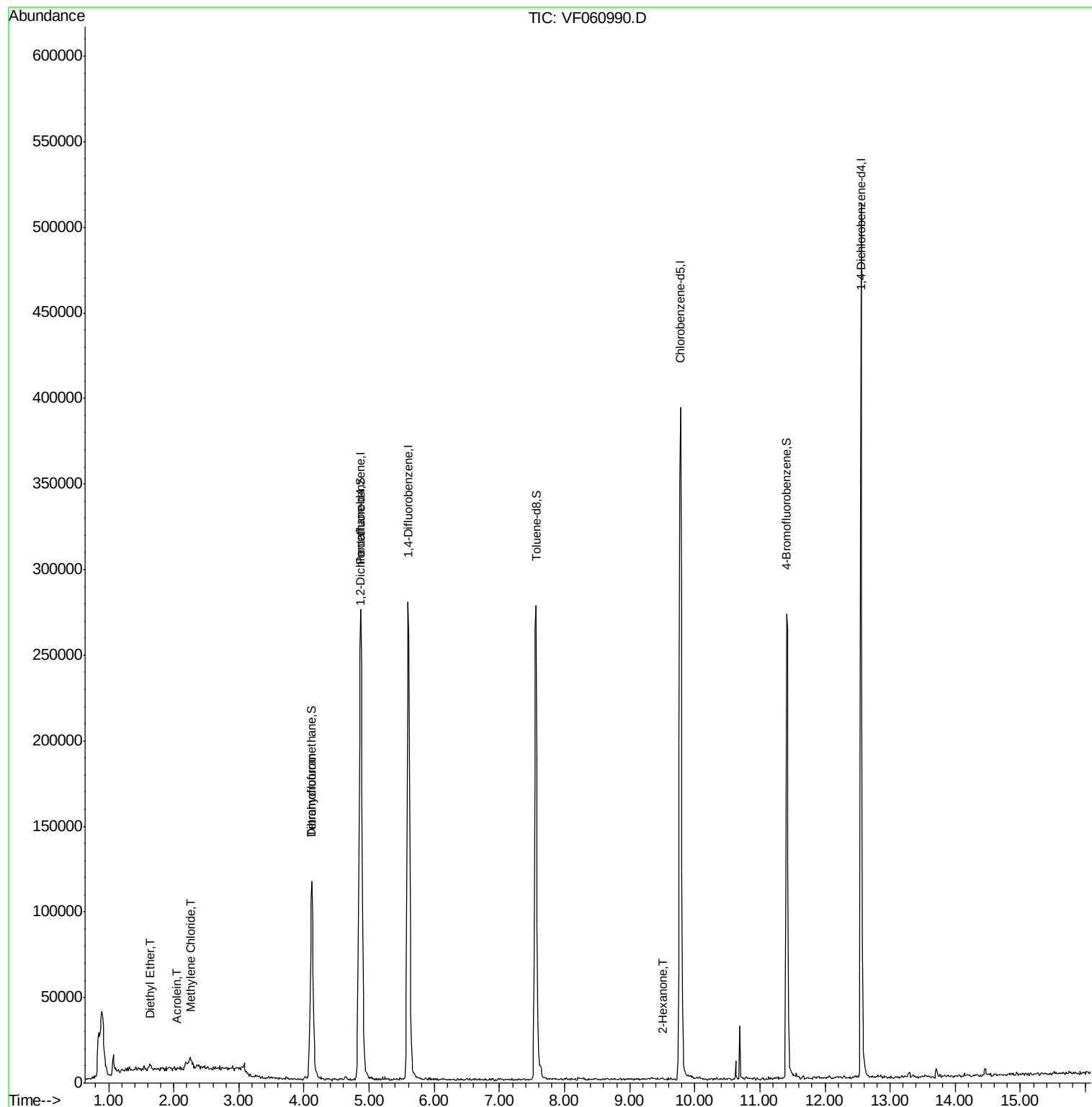
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	199018	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	308708	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	282314	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	121364	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	101174	43.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.30%	
35) Dibromofluoromethane	4.12	113	110857	45.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.54%	
50) Toluene-d8	7.56	98	238342	33.04	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	66.08%	
62) 4-Bromofluorobenzene	11.41	95	113863	34.73	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	69.46%	
Target Compounds						
8) Diethyl Ether	1.63	74	1154	2.071	ug/l	95
13) Acrolein	2.04	56	389	4.272	ug/l	86
20) Methylene Chloride	2.26	84	4322	2.725	ug/l #	95
29) Tetrahydrofuran	4.11	42	408	1.287	ug/l #	49
41) Methacrylonitrile	4.74	41	270	Below Cal	#	23
43) Isopropyl Acetate	6.95	43	298	Below Cal	#	49
59) 2-Hexanone	9.50	43	1273	1.414	ug/l #	27
95) Naphthalene	14.47	128	1145	Below Cal	#	69

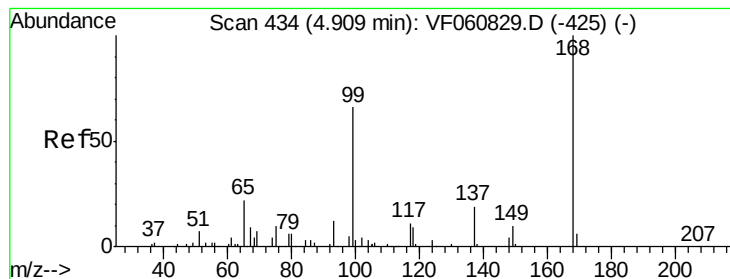
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

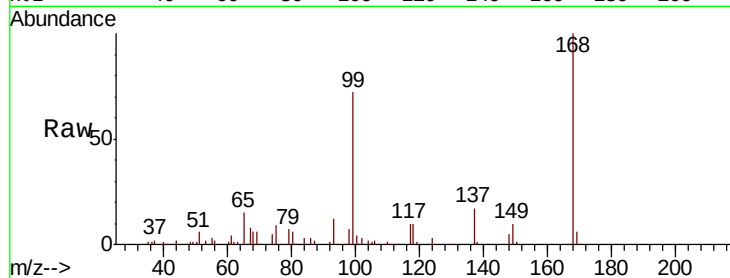
BORING-SAMPLE-CBH-591

Tot Ion:168 Resp: 199018

Ion Ratio Lower Upper

168 100

99 72.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

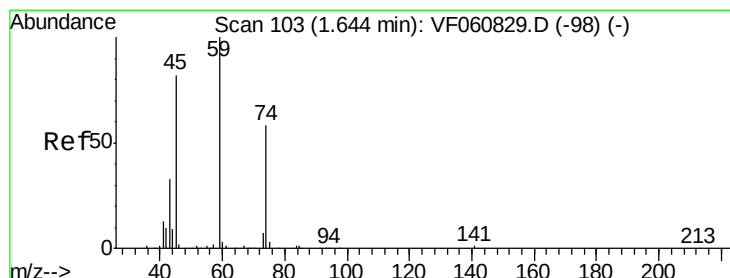
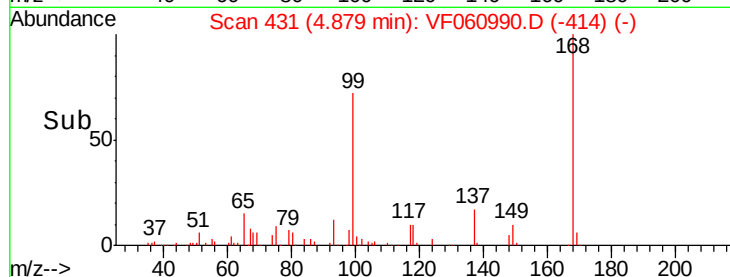
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 2.071 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060990.D

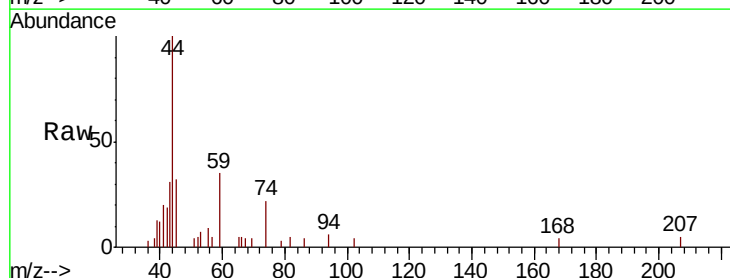
Acq: 11 Dec 2018 21:48

Tgt Ion: 74 Resp: 1154

Ion Ratio Lower Upper

74 100

45 147.5 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1200

1000

800

600

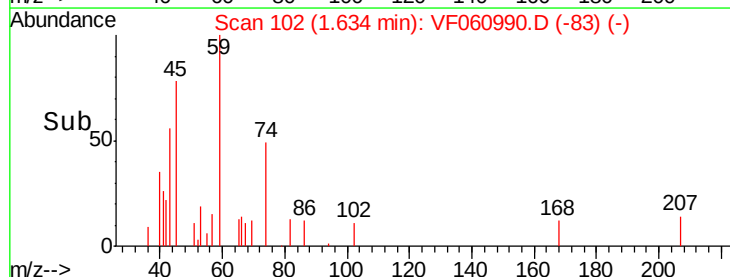
400

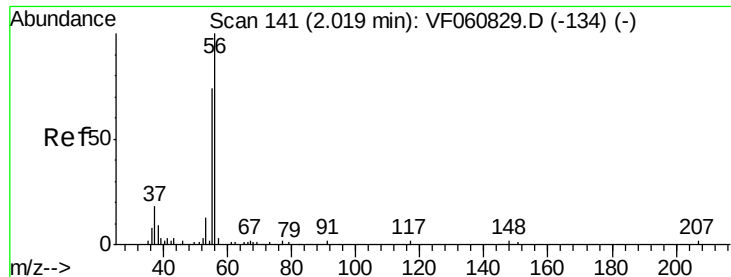
200

0

Time-->

1.55 1.60 1.65 1.70





#13

Acrolein

Concen: 4.272 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

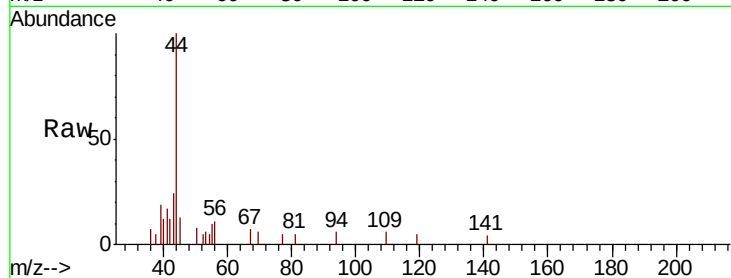
BORING-SAMPLE-CBH-591

Tot Ion: 56 Resp: 389

Ion Ratio Lower Upper

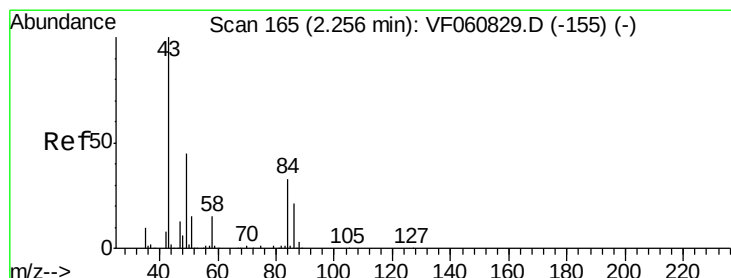
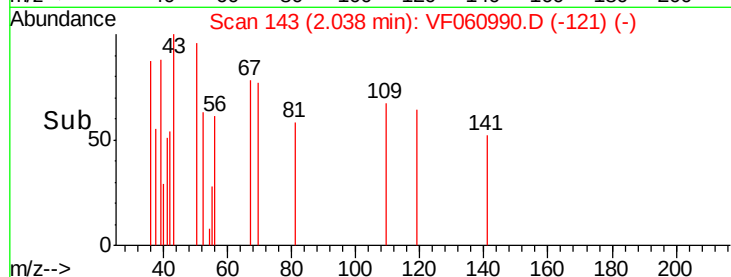
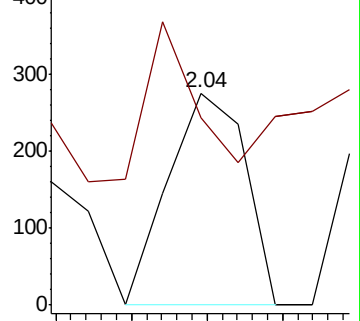
56 100

55 88.4 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#20

Methylene Chloride

Concen: 2.725 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Tgt Ion: 84 Resp: 4322

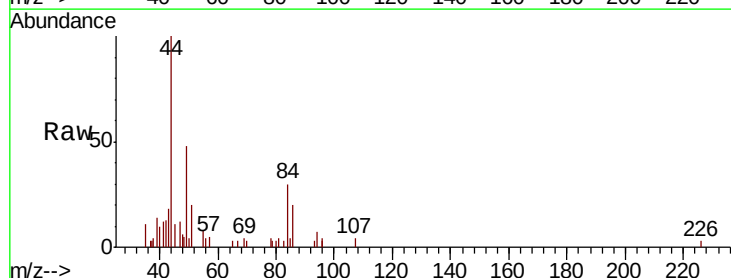
Ion Ratio Lower Upper

84 100

49 140.7 111.3 166.9

51 57.7 38.0 57.0#

86 59.0 49.8 74.8

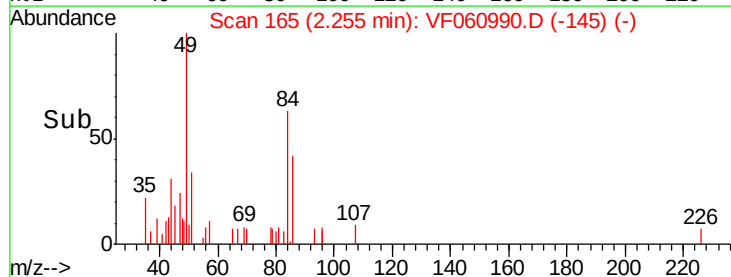
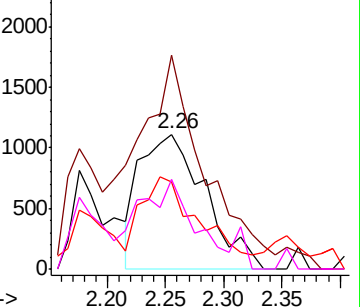


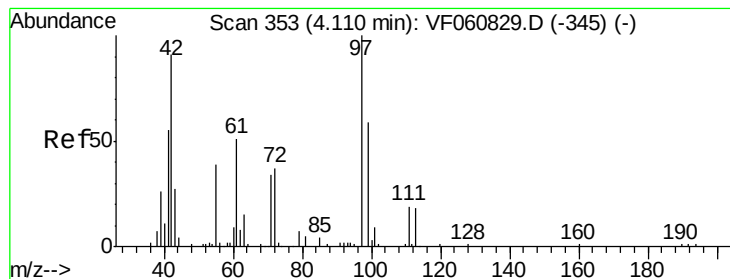
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#29

Tetrahydrofuran

Concen: 1.287 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

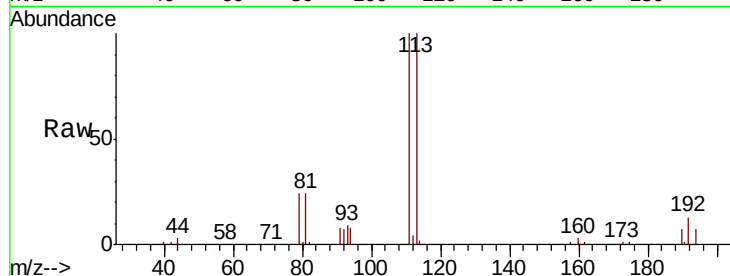
Tot Ion: 42 Resp: 408

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

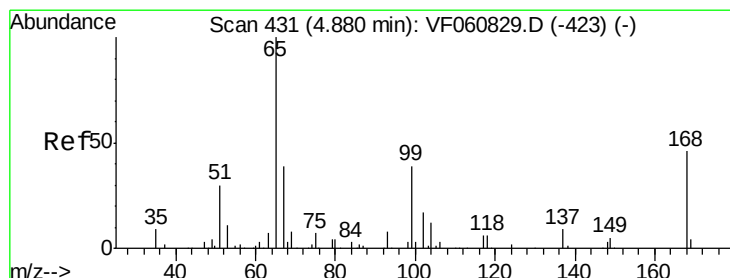
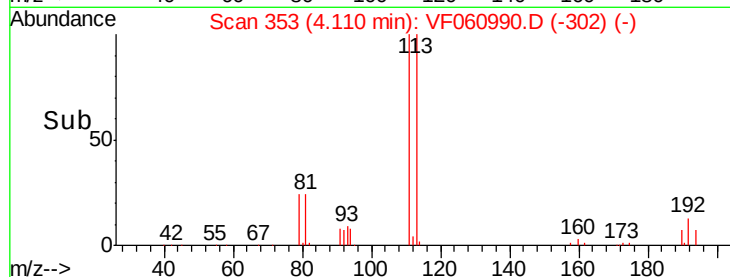
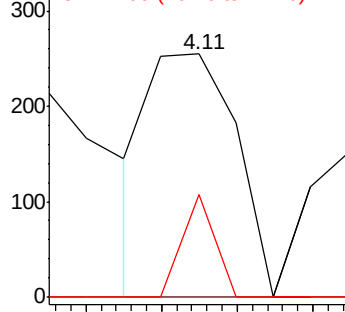
71 15.4 28.7 43.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.154 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060990.D

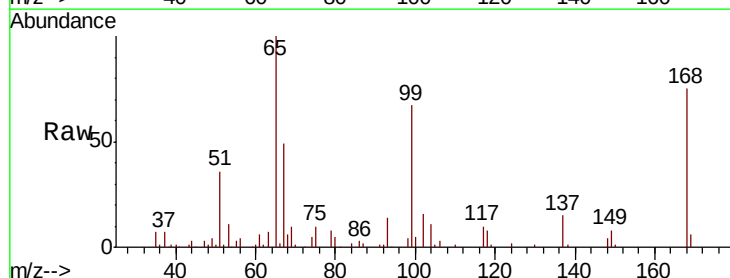
Acq: 11 Dec 2018 21:48

Tgt Ion: 65 Resp: 101174

Ion Ratio Lower Upper

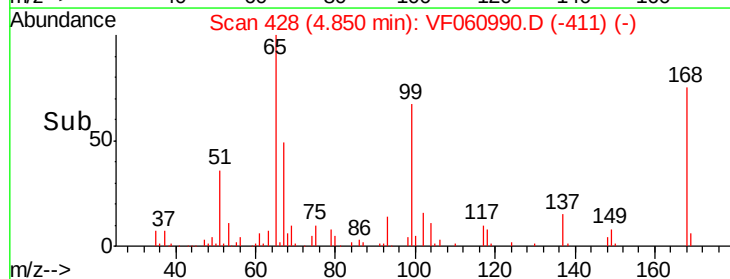
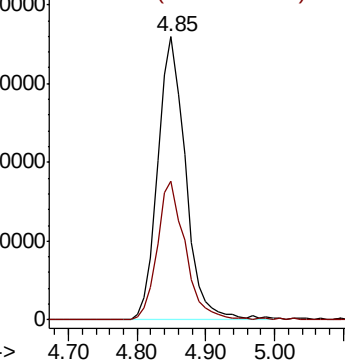
65 100

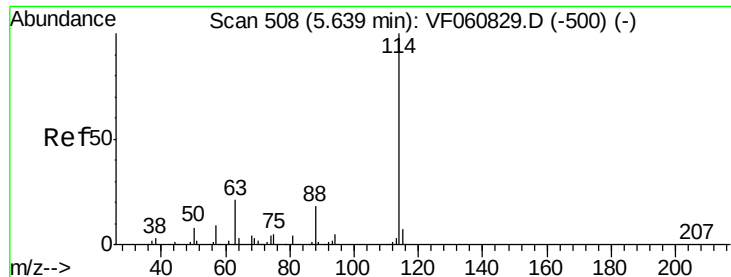
67 48.8 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

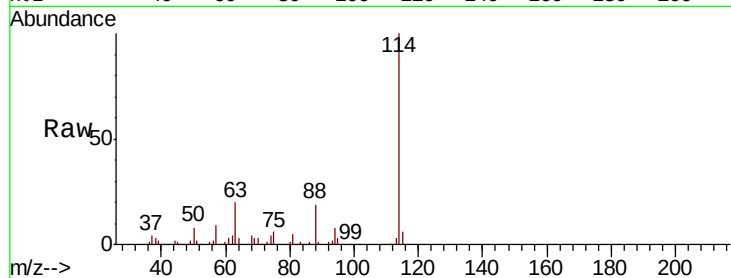
Tot Ion:114 Resp: 308708

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

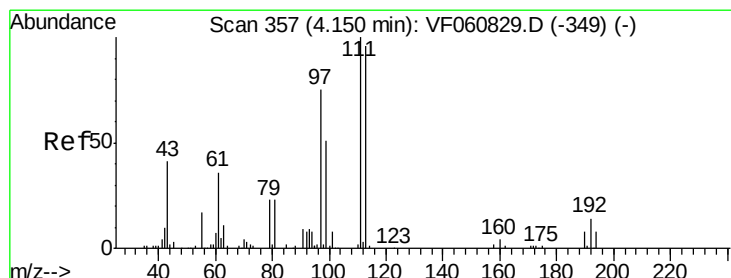
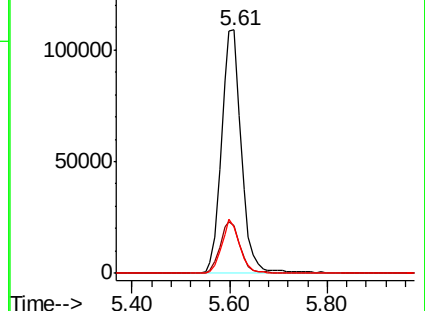
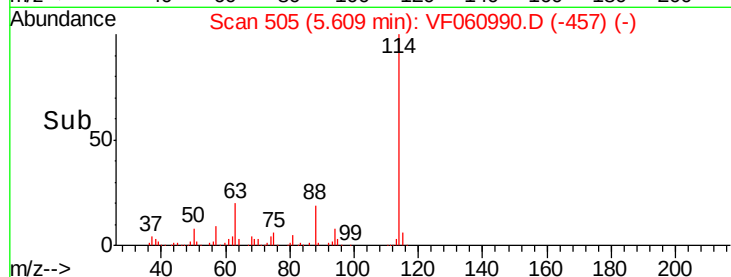
88 19.3 0.0 36.6



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: 45.265 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

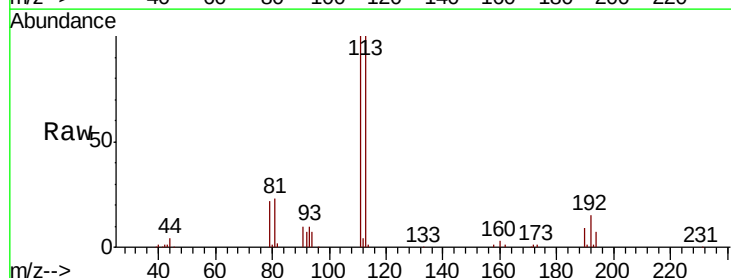
Tgt Ion:113 Resp: 110857

Ion Ratio Lower Upper

113 100

111 99.9 83.0 124.6

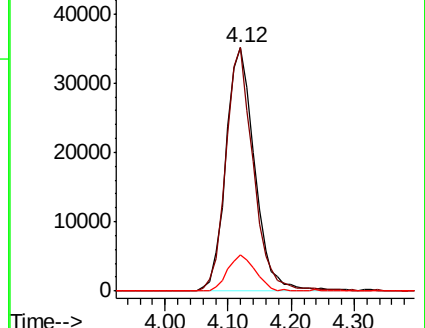
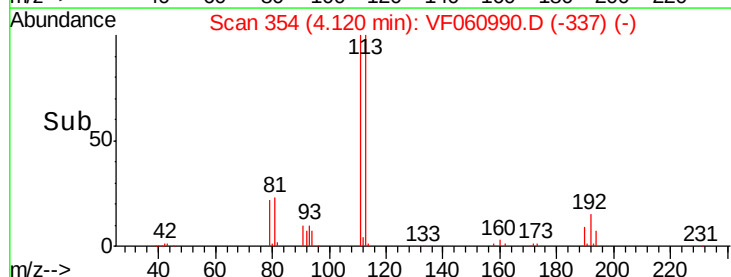
192 14.9 12.3 18.5

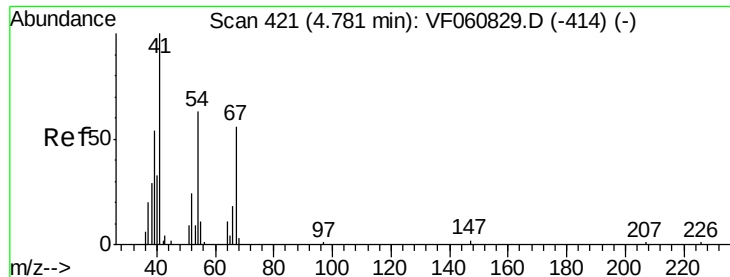


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

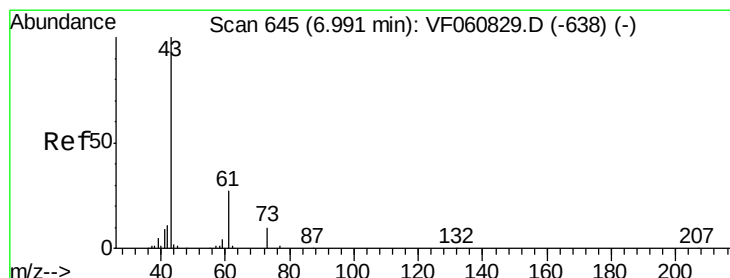
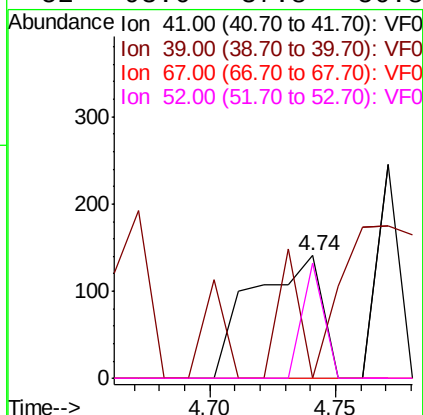
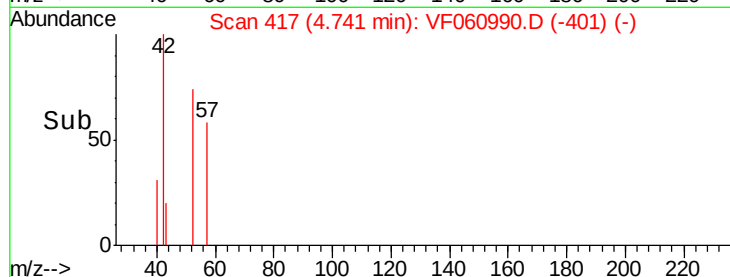
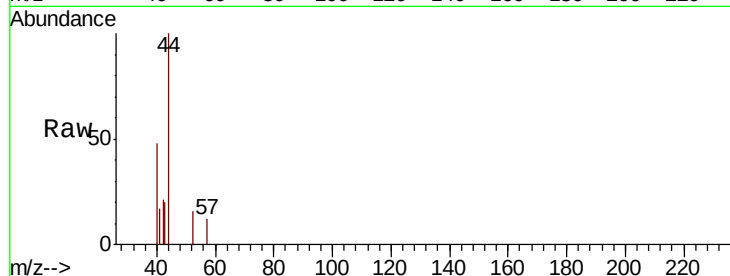




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060990.D
Acq: 11 Dec 2018 21:48

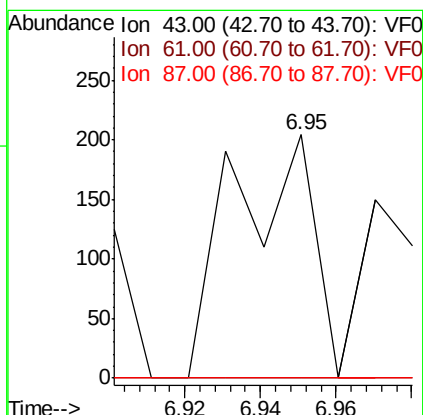
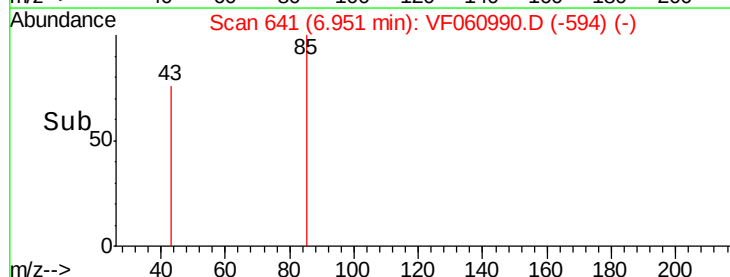
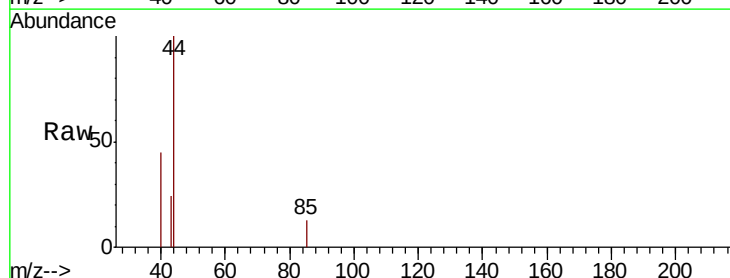
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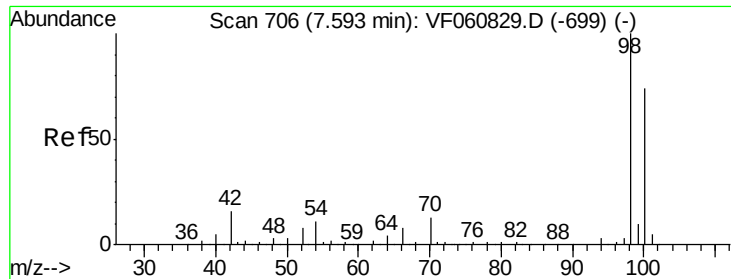
Tot Ion: 41 Resp: 270
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.6#
67 0.0 43.8 65.6#
52 93.6 37.8 56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.95 min Scan# 641
Delta R.T. -0.04 min
Lab File: VF060990.D
Acq: 11 Dec 2018 21:48

Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#





#50

Toluene-d8

Concen: 33.038 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

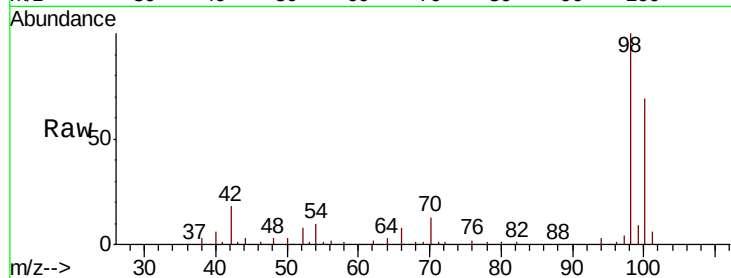
BORING-SAMPLE-CBH-591

Tot Ion: 98 Resp: 238342

Ion Ratio Lower Upper

98 100

100 69.2 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

100000

80000

60000

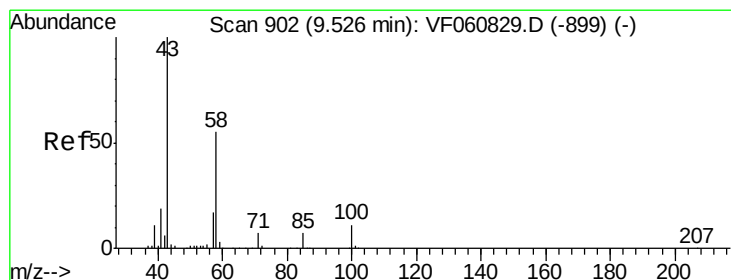
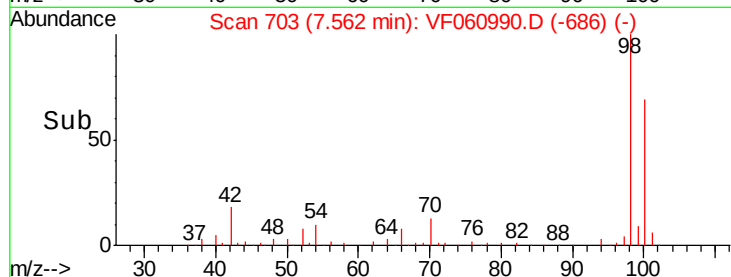
40000

20000

0

7.40 7.50 7.60 7.70

Time-->



#59

2-Hexanone

Concen: 1.414 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.03 min

Lab File: VF060990.D

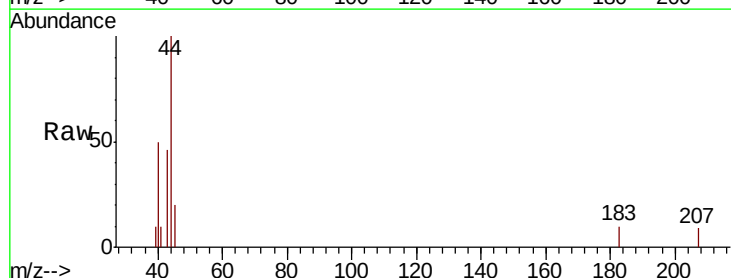
Acq: 11 Dec 2018 21:48

Tgt Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

600

500

400

300

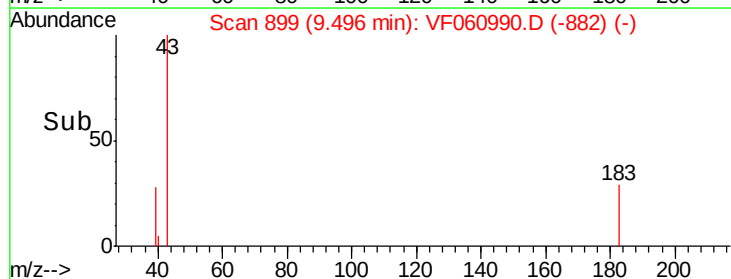
200

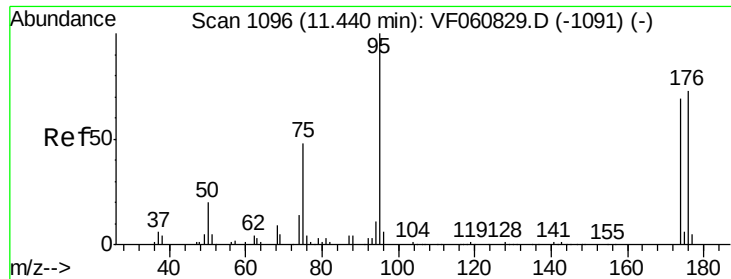
100

0

9.45 9.50 9.55

Time-->

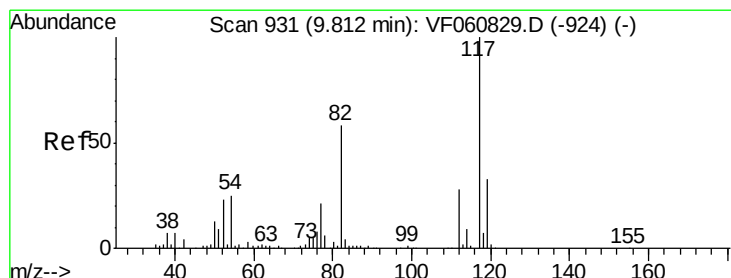
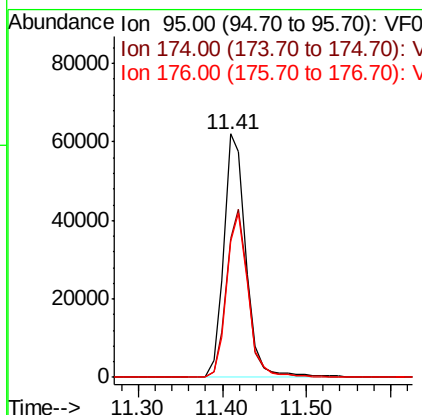
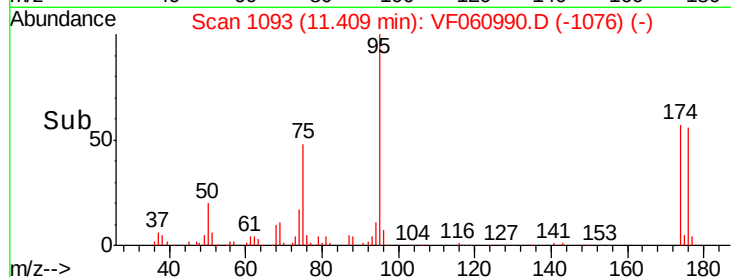
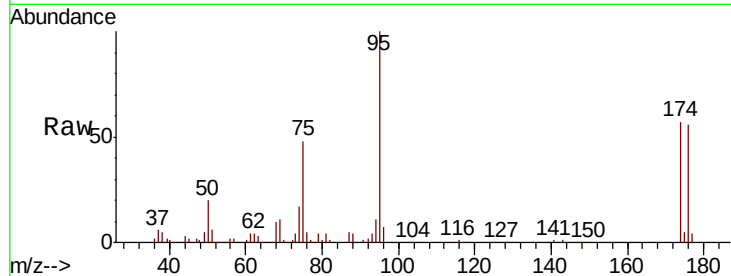




#62
4-Bromofluorobenzene
Concen: 34.728 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060990.D
Acq: 11 Dec 2018 21:48

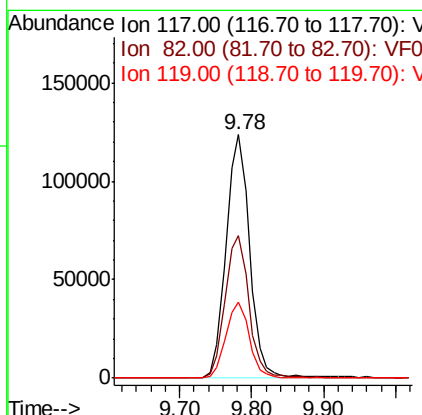
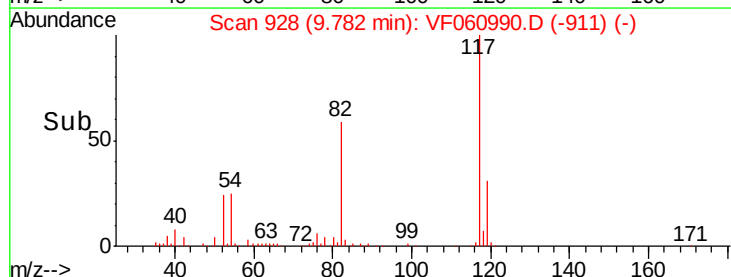
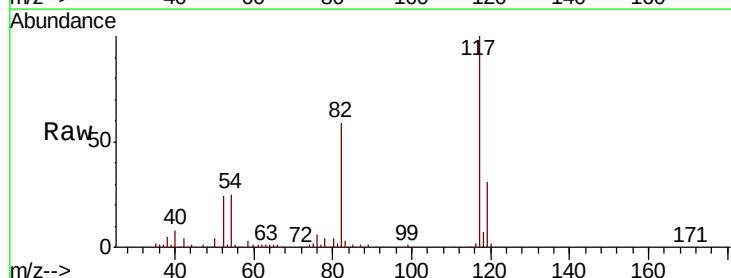
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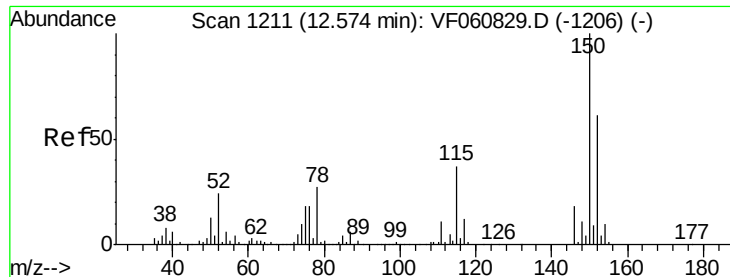
Tot Ion: 95 Resp: 113863
Ion Ratio Lower Upper
95 100
174 57.0 0.0 138.2
176 55.8 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060990.D
Acq: 11 Dec 2018 21:48

Tgt Ion: 117 Resp: 282314
Ion Ratio Lower Upper
117 100
82 58.6 46.6 69.8
119 31.2 26.4 39.6

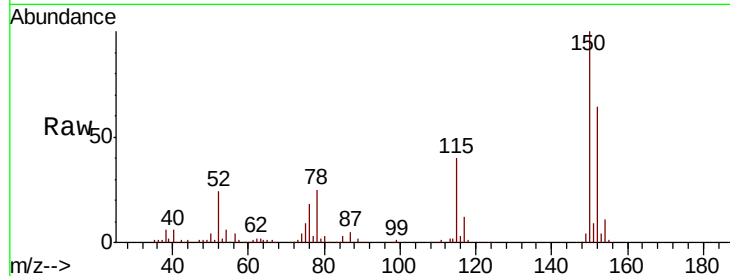




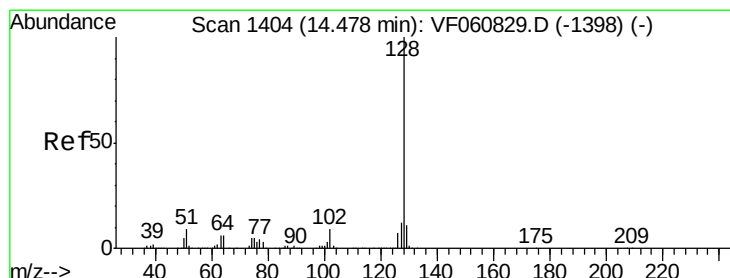
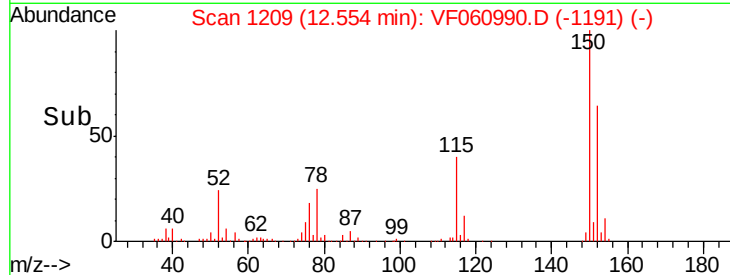
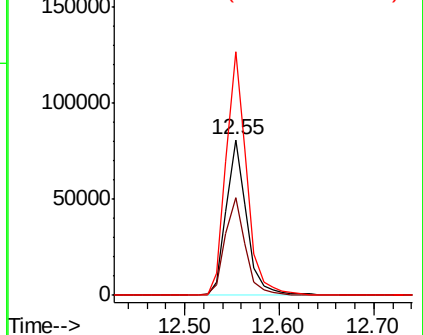
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060990.D
 Acq: 11 Dec 2018 21:48

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

Tot Ion:152 Resp: 121364
 Ion Ratio Lower Upper
 152 100
 115 62.7 30.1 90.5
 150 156.5 0.0 327.6

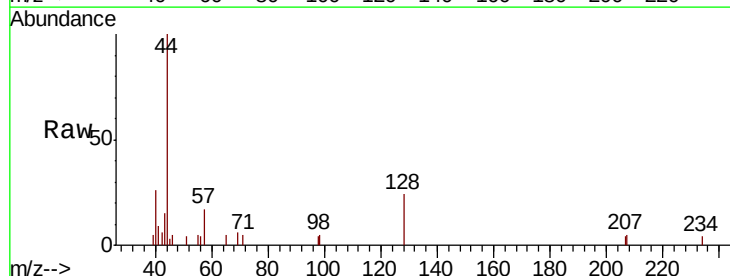


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V



#95
 Naphthalene
 Concen: Below Cal
 RT: 14.47 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: VF060990.D
 Acq: 11 Dec 2018 21:48

Tgt Ion:128 Resp: 1145
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.9 14.9#
 129 0.0 9.1 13.7#



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

