

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060803.D
 Acq On : 20 Nov 2018 14:16
 Operator : VA/AP
 Sample : VF1120SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBL01

Quant Time: Nov 20 16:43:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	207433	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	358127	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	318744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	189913	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	112848	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	
35) Dibromofluoromethane	4.12	113	139623	51.87	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.74%	
50) Toluene-d8	7.57	98	332999	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.41	95	173398	54.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.64%	

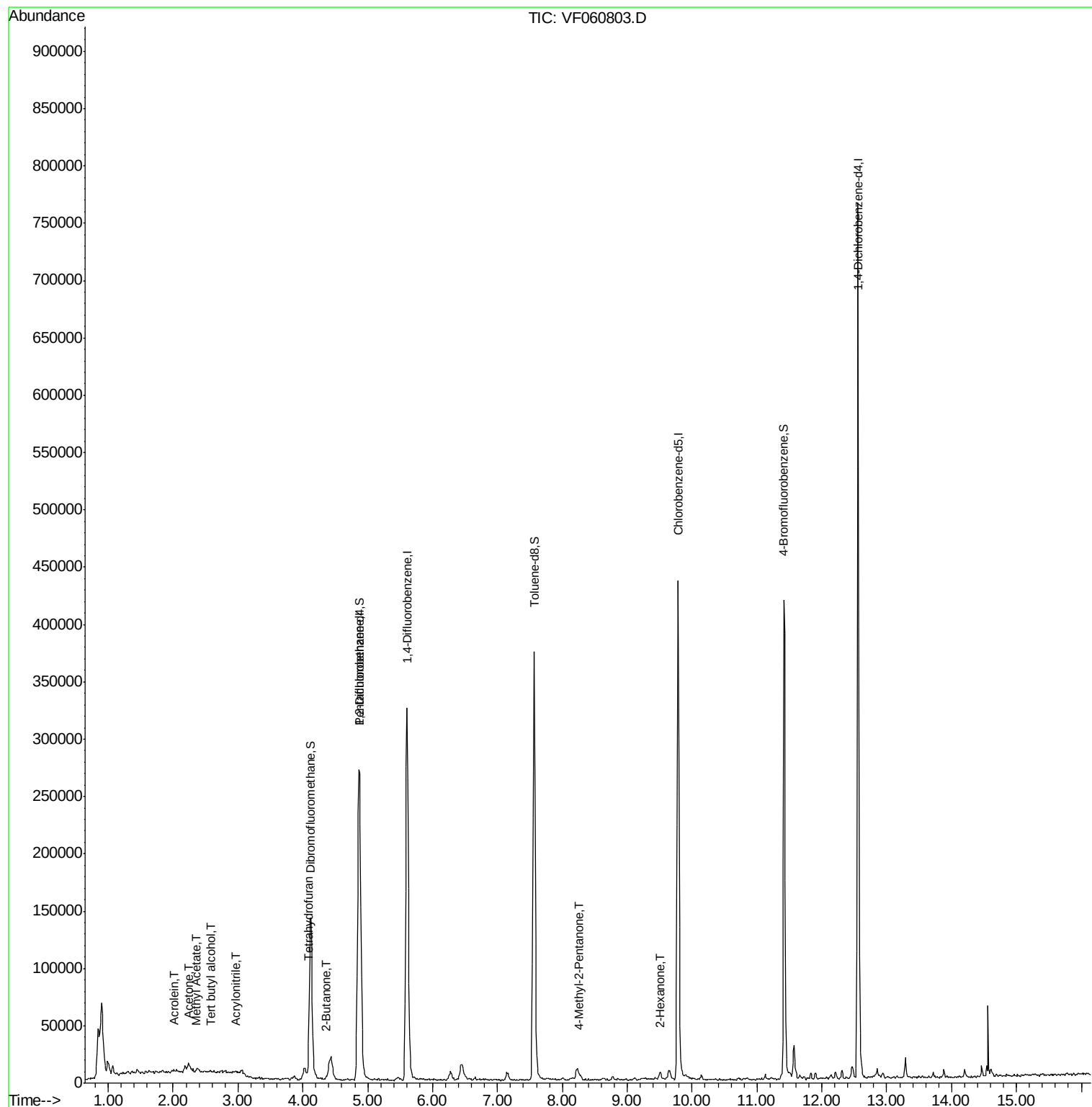
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	405	3.76	ug/l #	1
13) Acrolein	2.00	56	552	5.61	ug/l #	1
15) Acrylonitrile	2.95	53	1293	5.64	ug/l #	38
16) Acetone	2.23	43	3295	6.52	ug/l #	88
18) Methyl Acetate	2.35	43	4664	5.62	ug/l	93
20) Methylene Chloride	2.19	84	2790	Below Cal	#	62
25) 2-Butanone	4.36	43	2378	2.86	ug/l #	56
29) Tetrahydrofuran	4.09	42	1157	3.37	ug/l #	41
41) Methacrylonitrile	4.76	41	730	Below Cal	#	56
51) 4-Methyl-2-Pentanone	8.27	43	3053	2.06	ug/l	99
59) 2-Hexanone	9.50	43	4747	4.56	ug/l	85

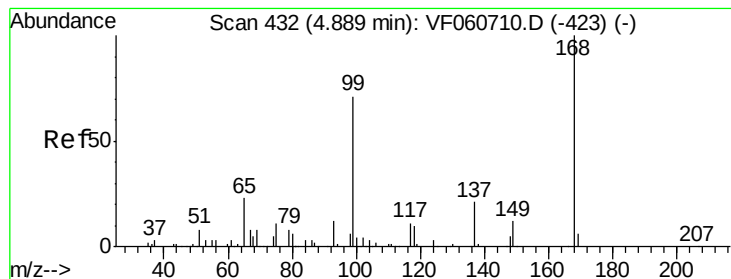
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
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Quant Time: Nov 20 16:43:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

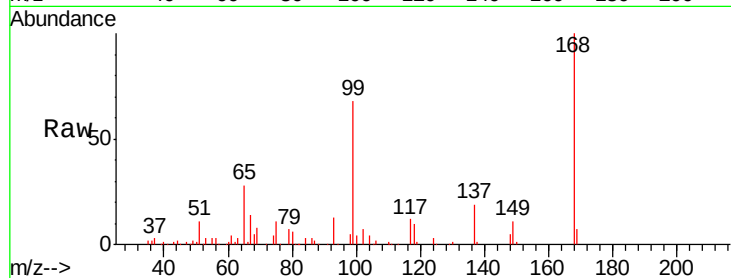
VF1120SBL01

Tgt Ion:168 Resp: 207433

Ion Ratio Lower Upper

168 100

99 67.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

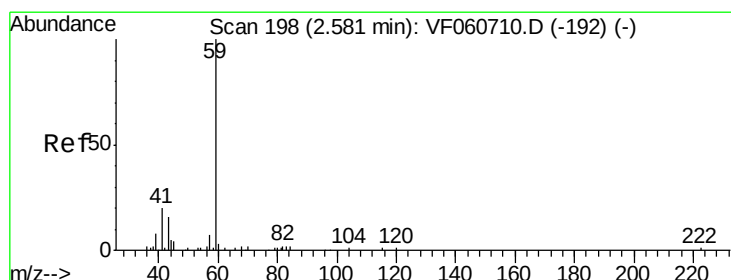
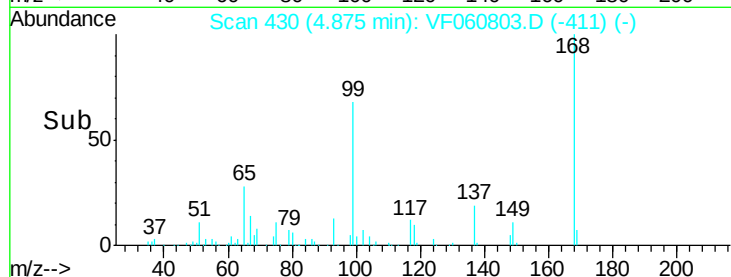
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.76 ug/l

RT: 2.58 min Scan# 197

Delta R.T. -0.00 min

Lab File: VF060803.D

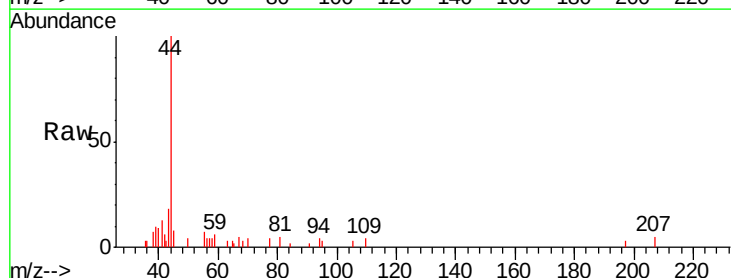
Acq: 20 Nov 2018 14:16

Tgt Ion: 59 Resp: 405

Ion Ratio Lower Upper

59 100

57 71.5 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

300

250

200

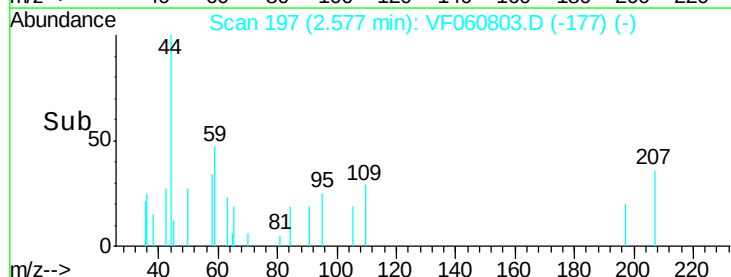
150

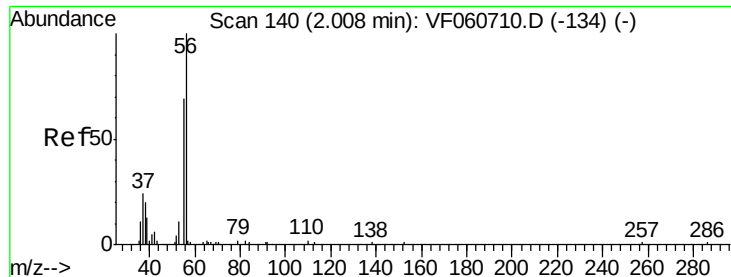
100

50

0

Time-->





#13

Acrolein

Concen: 5.61 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

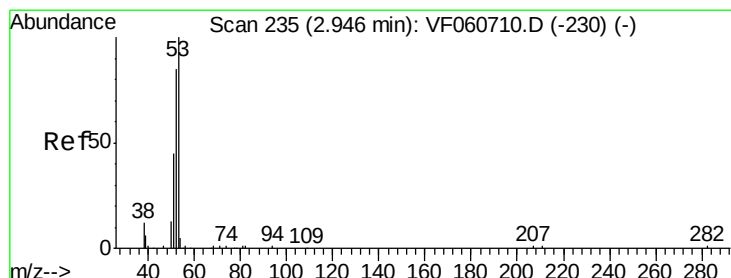
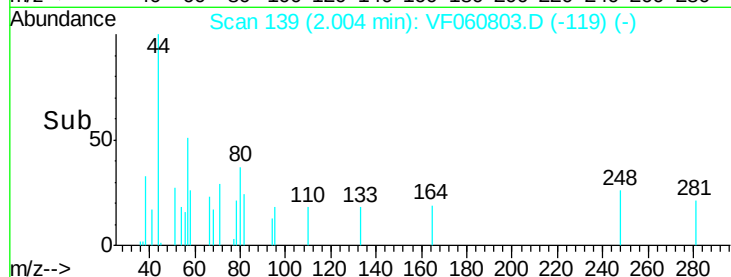
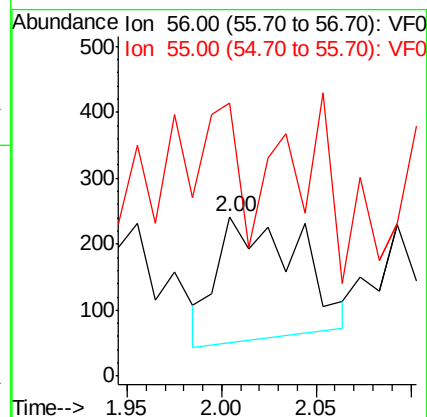
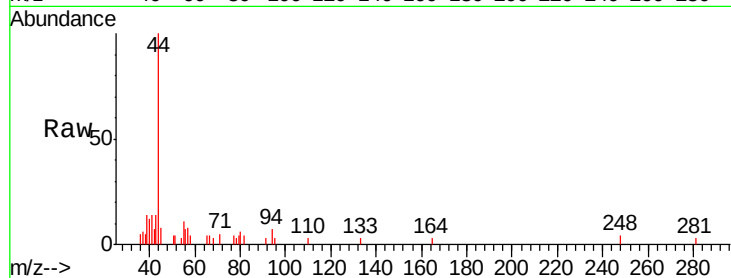
VF1120SBL01

Tgt Ion: 56 Resp: 552

Ion Ratio Lower Upper

56 100

55 171.5 56.6 85.0#



#15

Acrylonitrile

Concen: 5.64 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

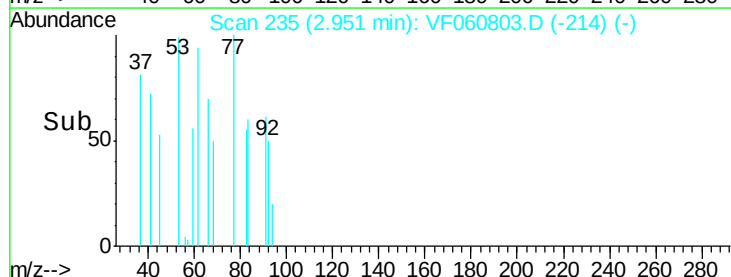
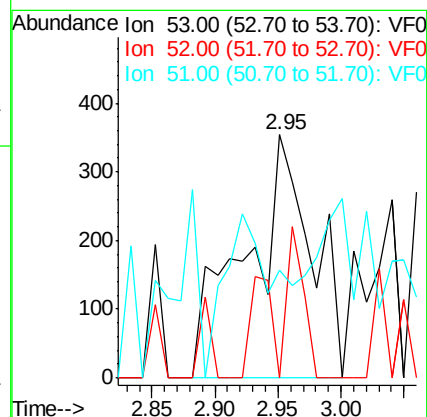
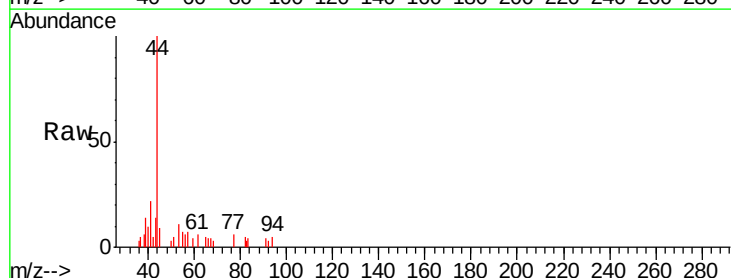
Tgt Ion: 53 Resp: 1293

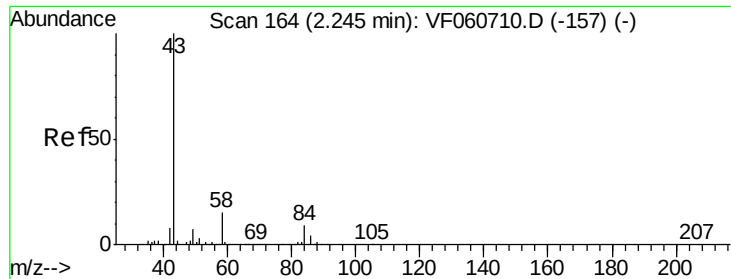
Ion Ratio Lower Upper

53 100

52 0.0 68.8 103.2#

51 44.4 36.7 55.1





#16

Acetone

Concen: 6.52 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

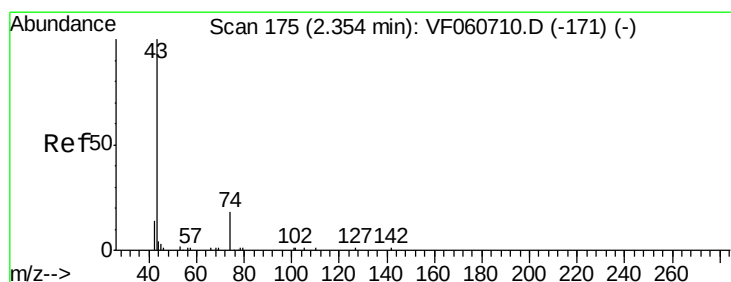
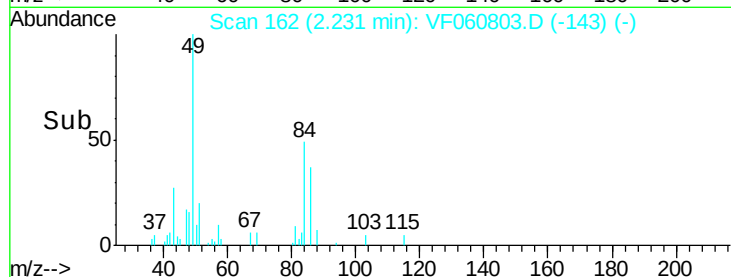
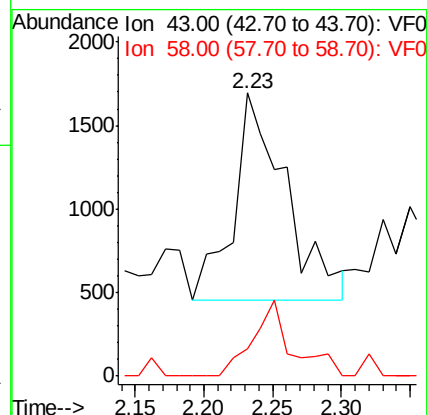
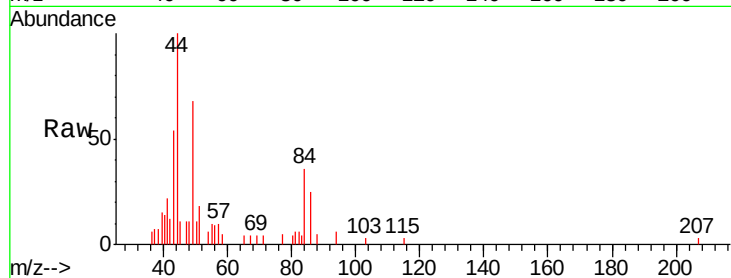
VF1120SBL01

Tgt Ion: 43 Resp: 3295

Ion Ratio Lower Upper

43 100

58 9.7 11.6 17.4#



#18

Methyl Acetate

Concen: 5.62 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060803.D

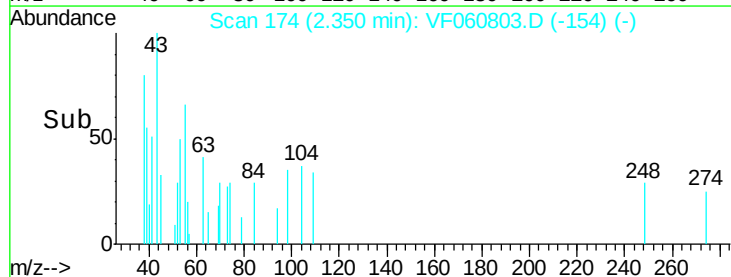
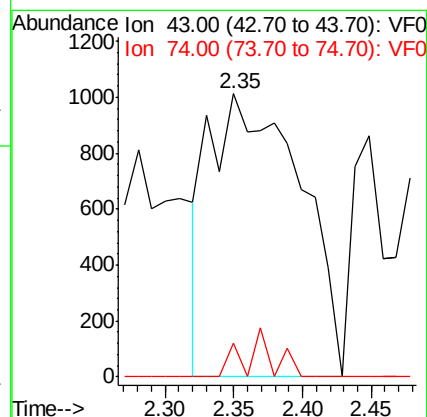
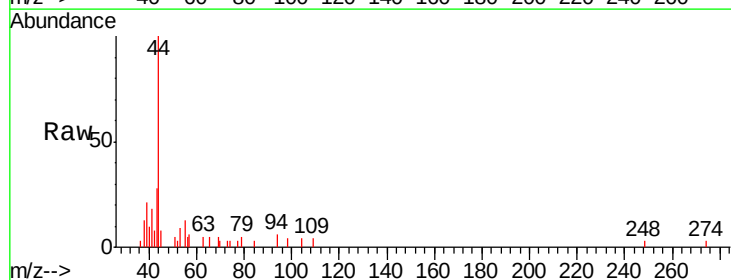
Acq: 20 Nov 2018 14:16

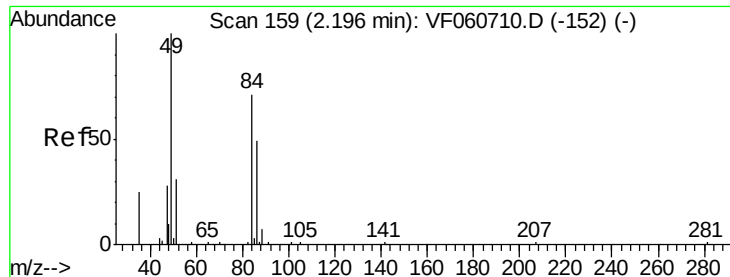
Tgt Ion: 43 Resp: 4664

Ion Ratio Lower Upper

43 100

74 12.1 11.8 17.8

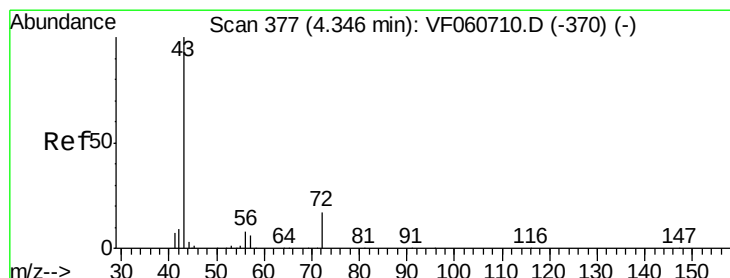
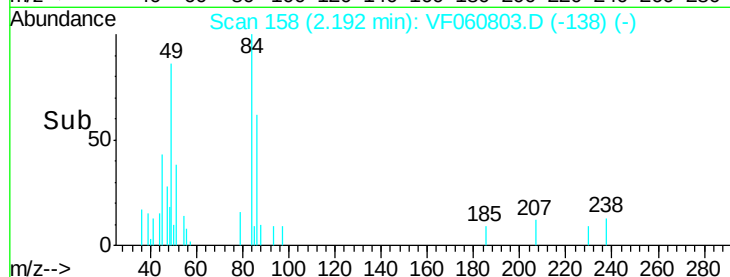
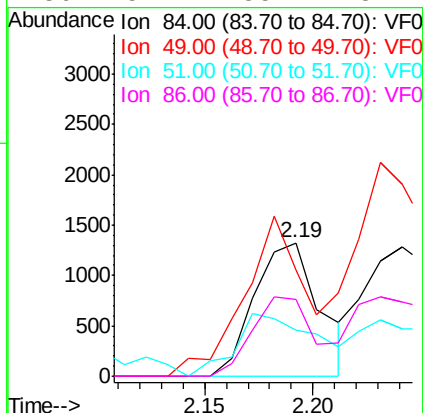
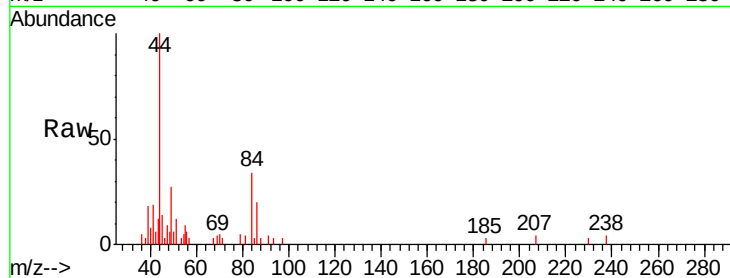




#20
Methylene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF060803.D
Acq: 20 Nov 2018 14:16

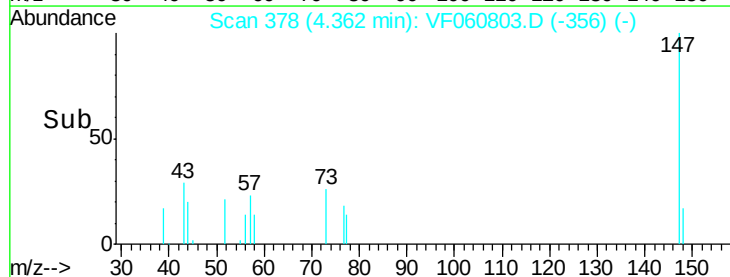
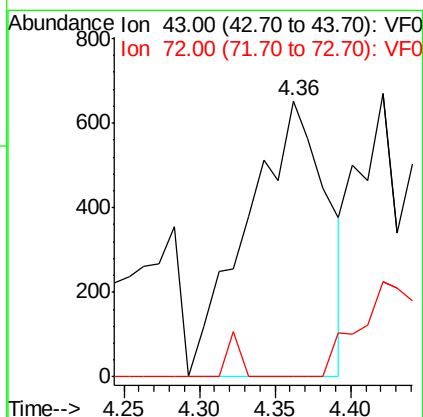
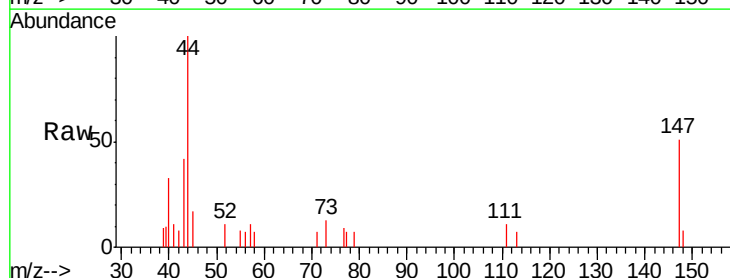
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBL01

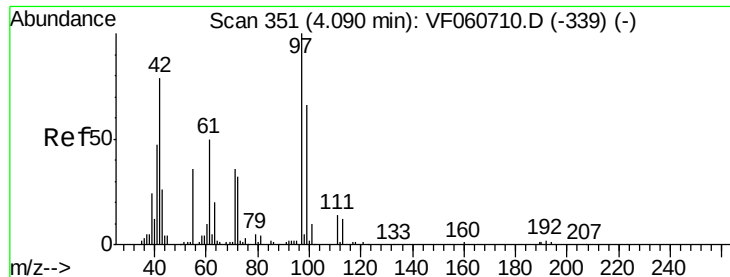
Tgt Ion: 84 Resp: 2790
Ion Ratio Lower Upper
84 100
49 79.4 120.2 180.4#
51 34.8 37.2 55.8#
86 57.4 55.1 82.7



#25
2-Butanone
Concen: 2.86 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF060803.D
Acq: 20 Nov 2018 14:16

Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#





#29

Tetrahydrofuran

Concen: 3.37 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBL01

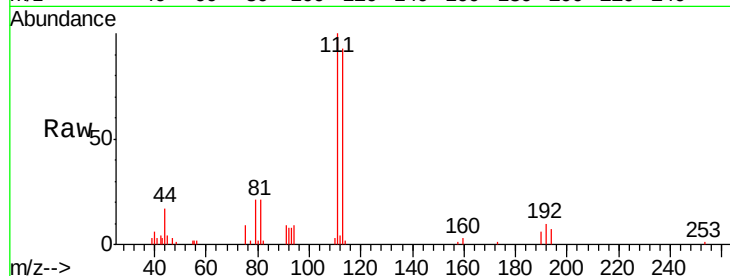
Tgt Ion: 42 Resp: 1157

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

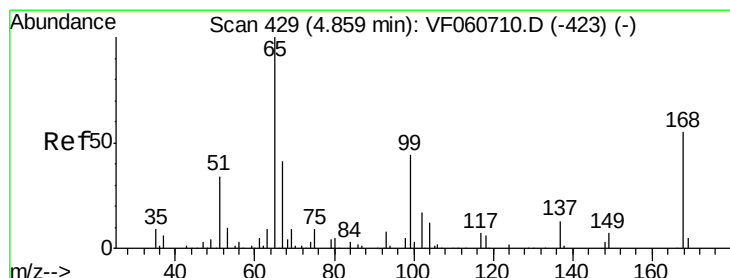
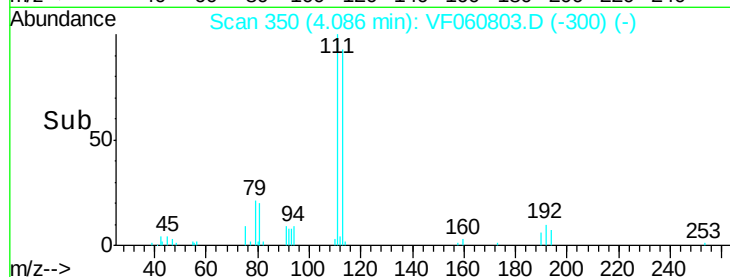
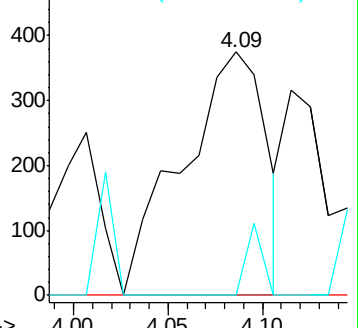
71 5.7 32.2 48.2#



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: 47.70 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF060803.D

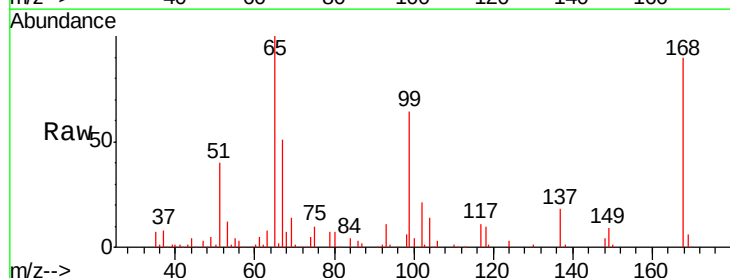
Acq: 20 Nov 2018 14:16

Tgt Ion: 65 Resp: 112848

Ion Ratio Lower Upper

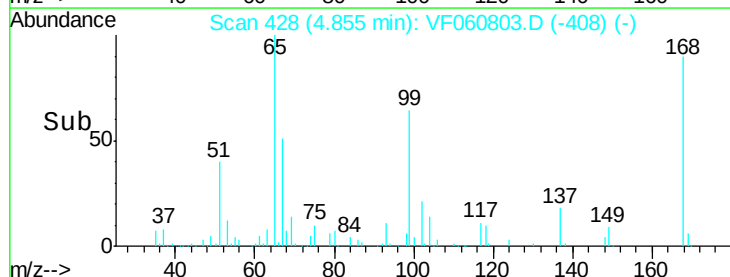
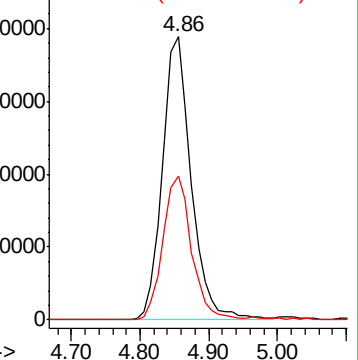
65 100

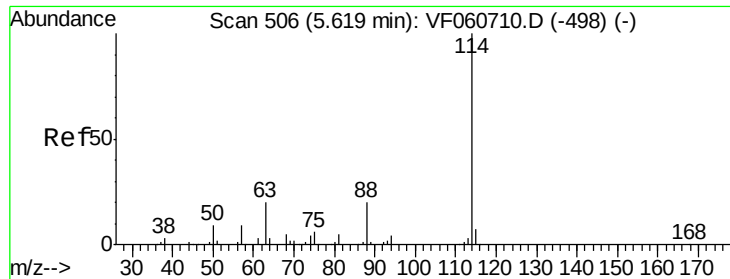
67 50.7 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBL01

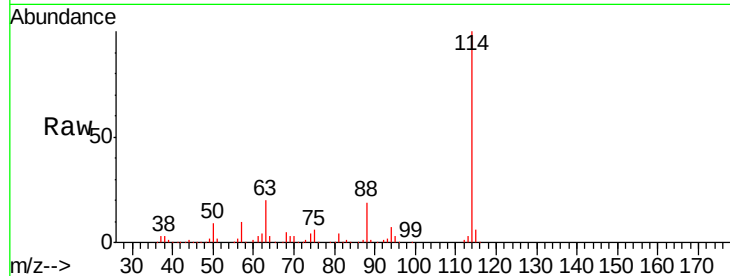
Tgt Ion:114 Resp: 358127

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

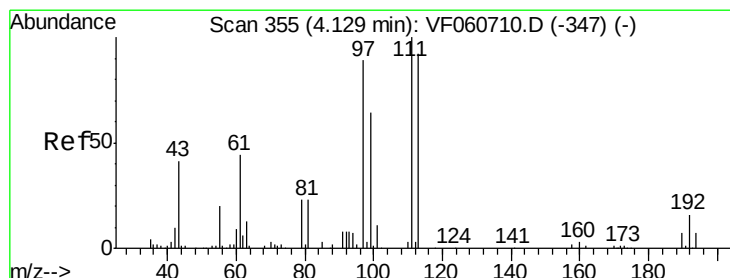
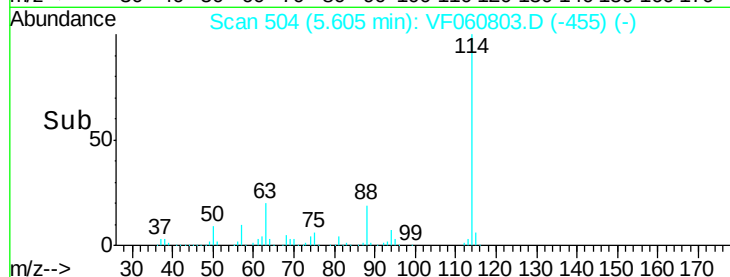
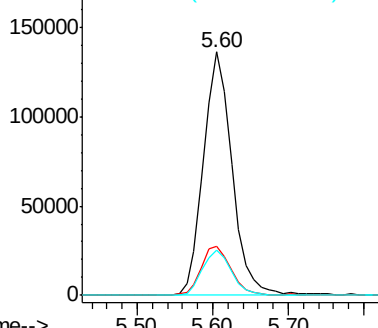
88 18.7 0.0 39.6



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: 51.87 ug/l

RT: 4.12 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

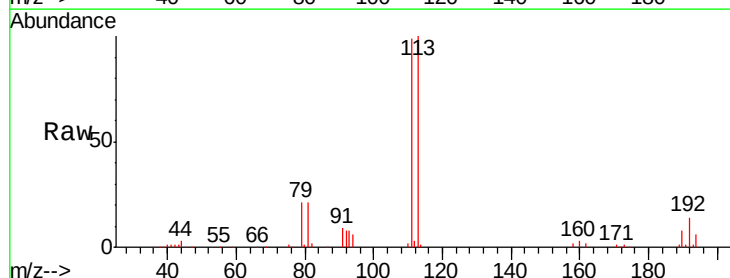
Tgt Ion:113 Resp: 139623

Ion Ratio Lower Upper

113 100

111 99.1 87.1 130.7

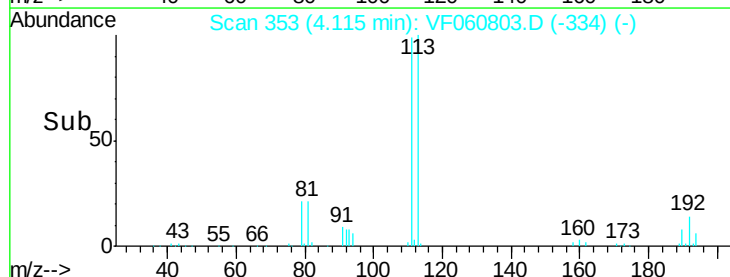
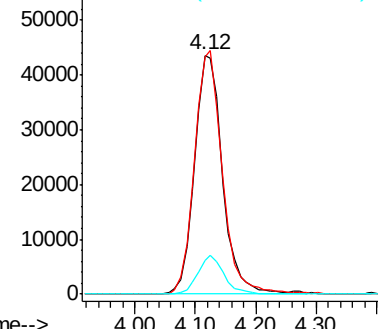
192 14.3 13.8 20.6

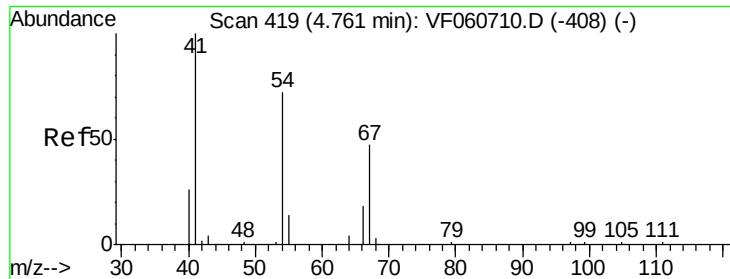


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

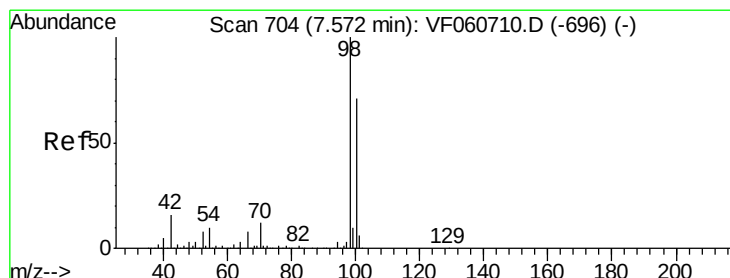
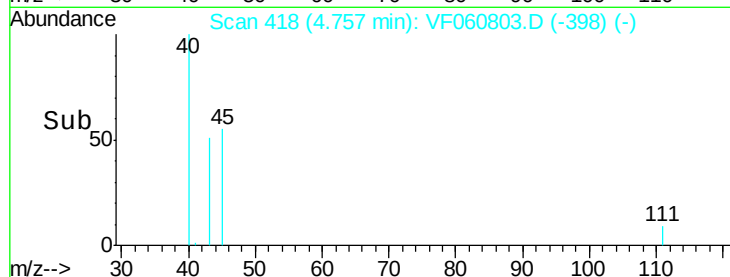
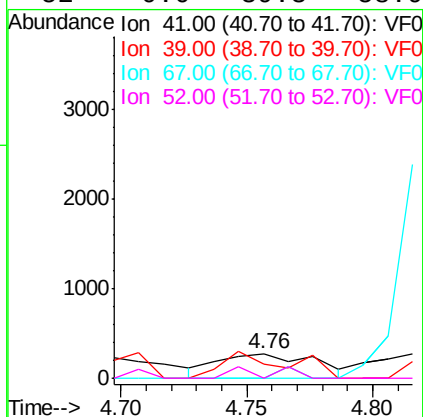
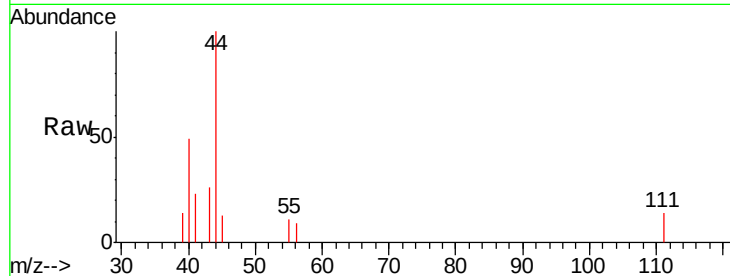




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 418
Delta R.T. -0.00 min
Lab File: VF060803.D
Acq: 20 Nov 2018 14:16

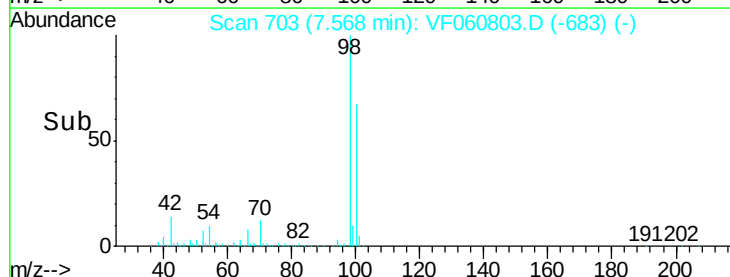
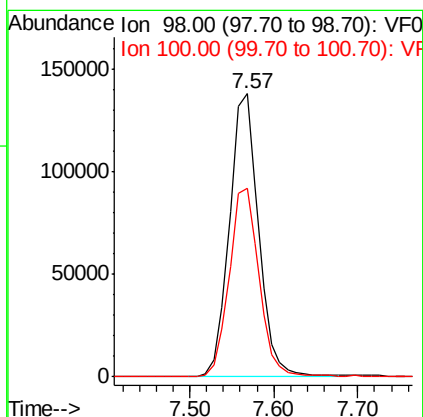
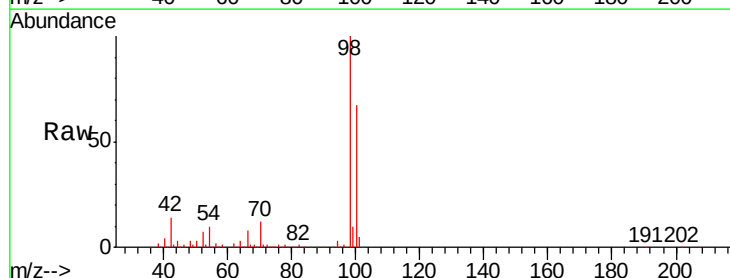
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBL01

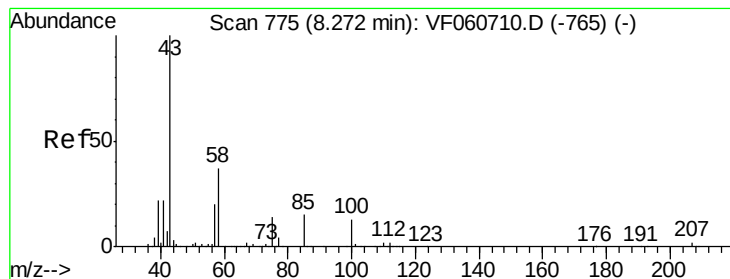
Tgt Ion: 41 Resp: 730
Ion Ratio Lower Upper
41 100
39 58.8 47.1 70.7
67 0.0 37.1 55.7#
52 0.0 39.3 58.9#



#50
Toluene-d8
Concen: 48.06 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF060803.D
Acq: 20 Nov 2018 14:16

Tgt Ion: 98 Resp: 332999
Ion Ratio Lower Upper
98 100
100 66.7 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 2.06 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

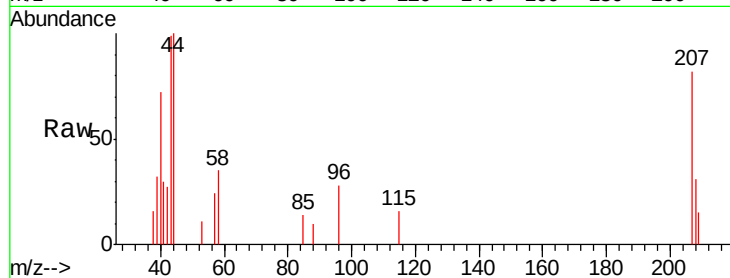
VF1120SBL01

Tgt Ion: 43 Resp: 3053

Ion Ratio Lower Upper

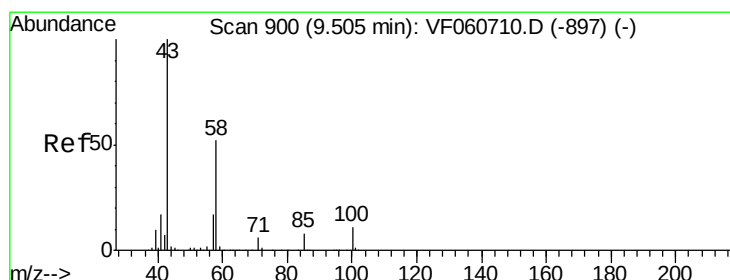
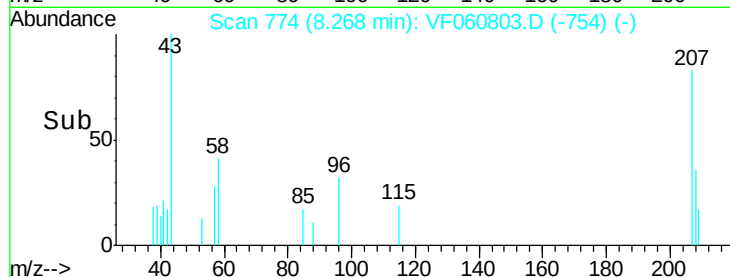
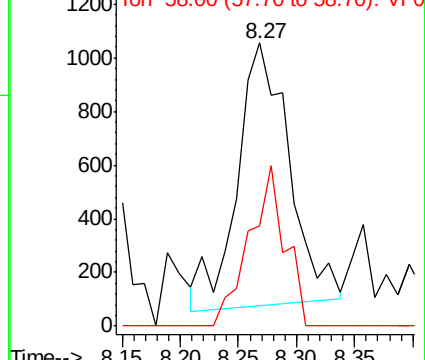
43 100

58 35.6 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 4.56 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF060803.D

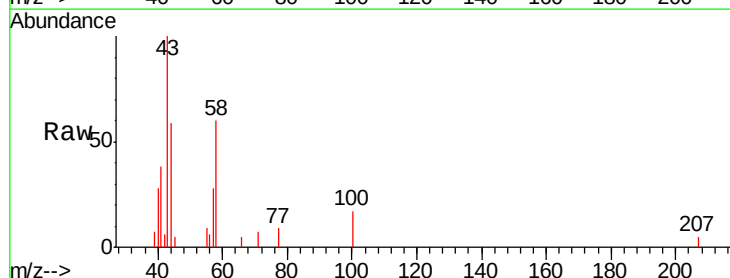
Acq: 20 Nov 2018 14:16

Tgt Ion: 43 Resp: 4747

Ion Ratio Lower Upper

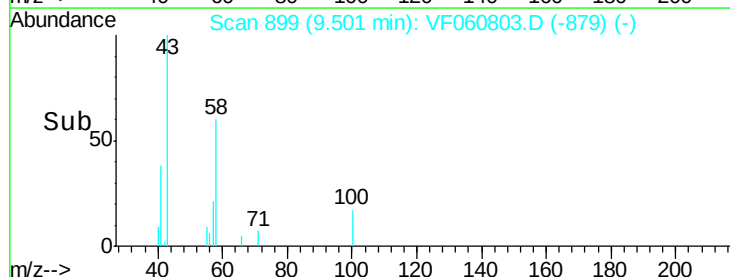
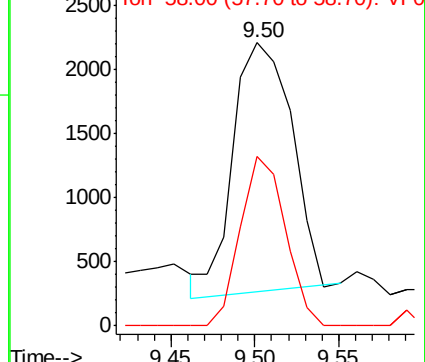
43 100

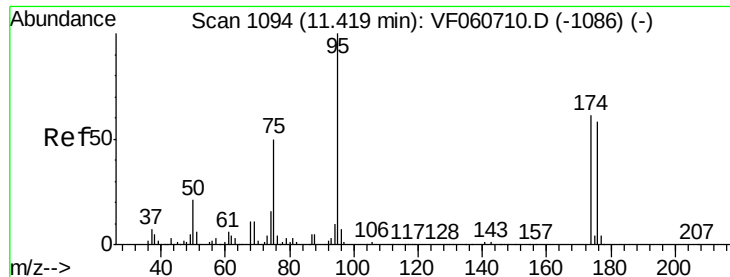
58 59.8 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 54.82 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBL01

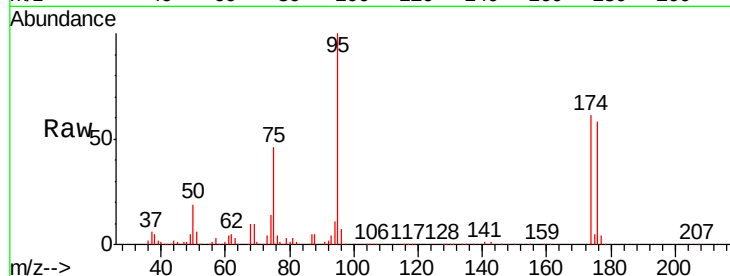
Tgt Ion: 95 Resp: 173398

Ion Ratio Lower Upper

95 100

174 61.5 0.0 121.6

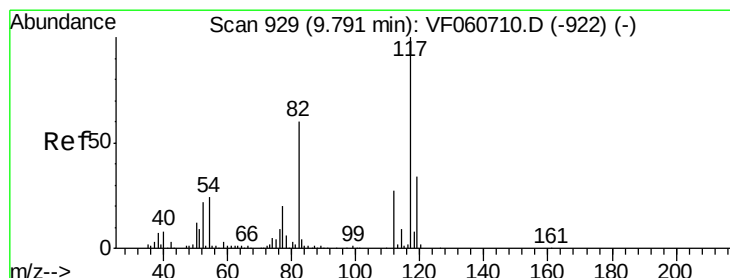
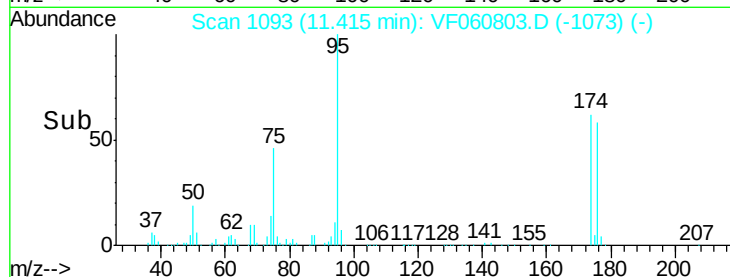
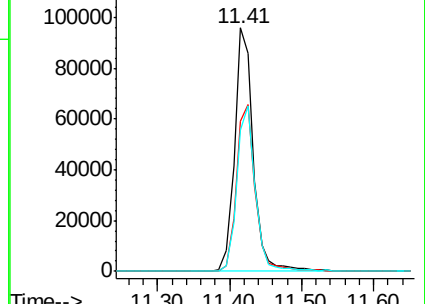
176 58.3 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF060710.D (-1086) (-)

Ion 174.00 (173.70 to 174.70): VF060710.D (-1086) (-)

Ion 176.00 (175.70 to 176.70): VF060710.D (-1086) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

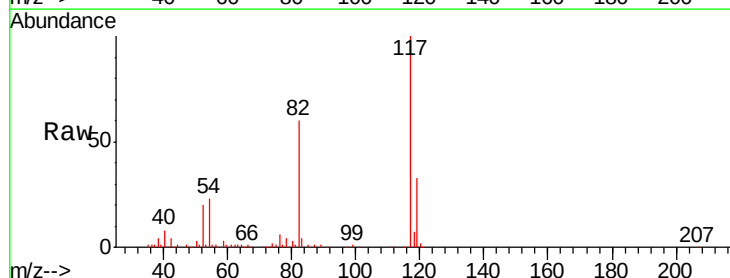
Tgt Ion: 117 Resp: 318744

Ion Ratio Lower Upper

117 100

82 59.6 47.9 71.9

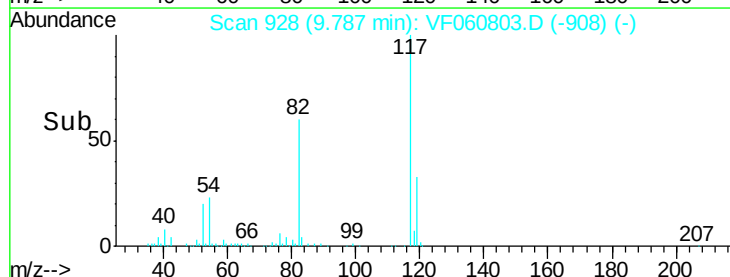
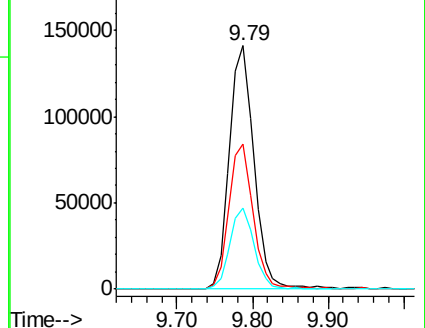
119 33.3 26.8 40.2

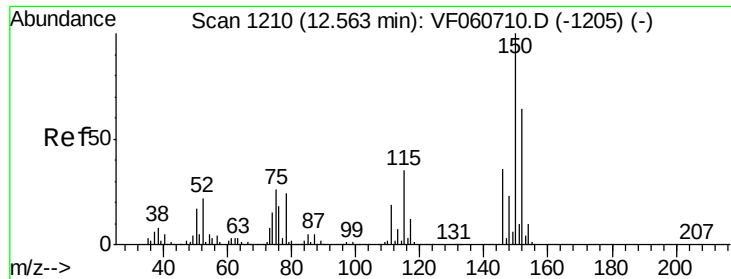


Abundance Ion 117.00 (116.70 to 117.70): VF060710.D (-922) (-)

Ion 82.00 (81.70 to 82.70): VF060710.D (-922) (-)

Ion 119.00 (118.70 to 119.70): VF060710.D (-922) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF060803.D

Acq: 20 Nov 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBL01

Tgt Ion:152 Resp: 189913

Ion Ratio Lower Upper

152 100

115 58.4 27.9 83.7

150 155.0 0.0 316.4

