

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060888.D
 Acq On : 3 Dec 2018 13:30
 Operator : VA/AP
 Sample : VF1203SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBL01

Quant Time: Dec 04 03:08:11 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	4.89	168	207481	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	343436	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	312898	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	182165	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	139008	56.87	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	113.74%	
35) Dibromofluoromethane	4.13	113	154094	56.56	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	113.12%	
50) Toluene-d8	7.58	98	402663	50.17	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.42	95	191324	52.45	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.90%	

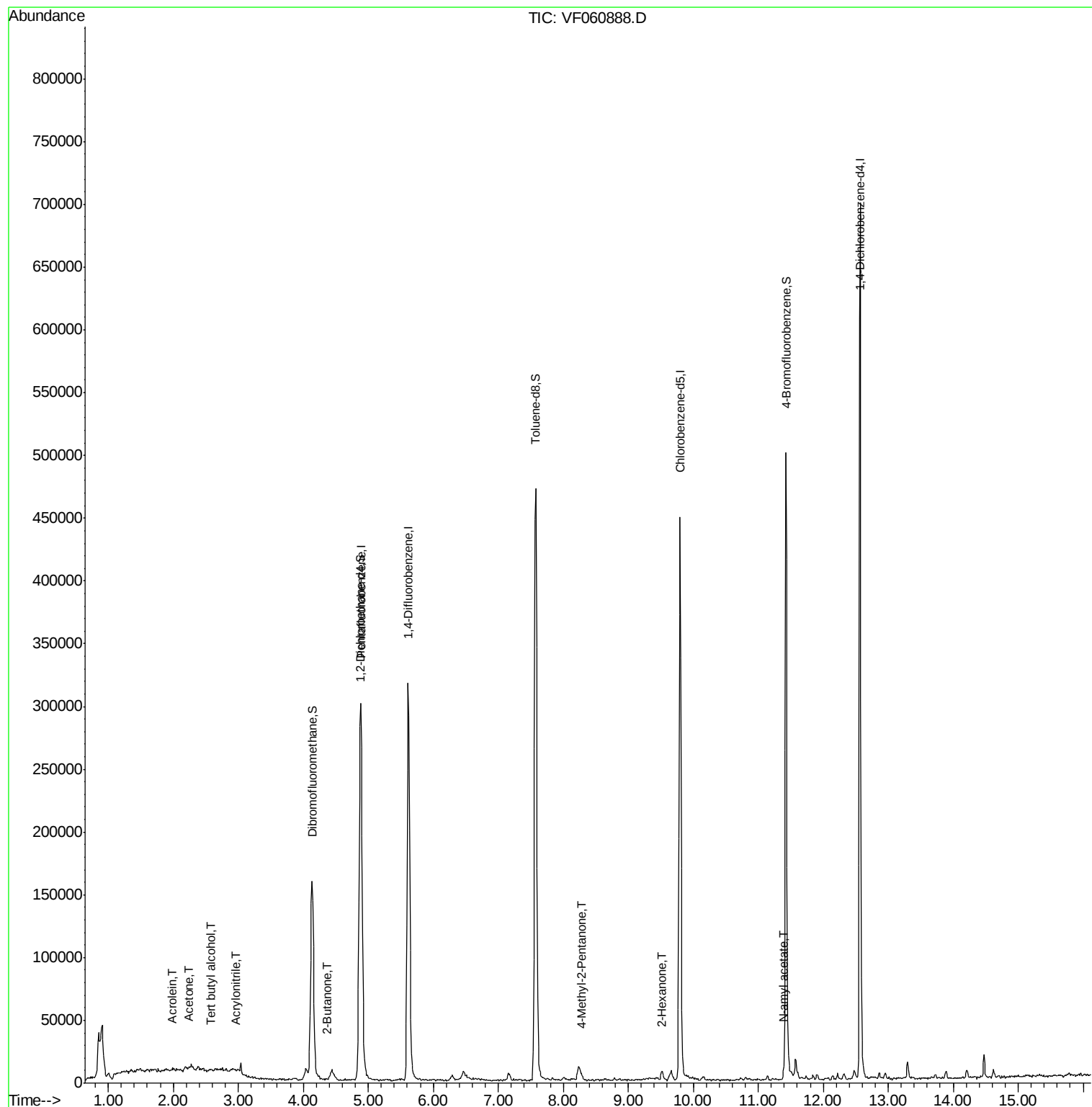
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	227	2.266	ug/l #	62
13) Acrolein	1.98	56	488	5.141	ug/l	83
15) Acrylonitrile	2.96	53	1354	6.028	ug/l #	63
16) Acetone	2.24	43	2607	5.784	ug/l #	90
18) Methyl Acetate	2.34	43	569	Below Cal	#	61
25) 2-Butanone	4.36	43	2305	2.957	ug/l #	86
41) Methacrylonitrile	4.76	41	1655	Below Cal	#	49
43) Isopropyl Acetate	6.95	43	109	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.28	43	4058	2.843	ug/l #	82
59) 2-Hexanone	9.52	43	5656	5.648	ug/l	92
74) N-amyl acetate	11.39	43	5224	1.572	ug/l #	90
95) Naphthalene	14.47	128	12230	Below Cal	#	93

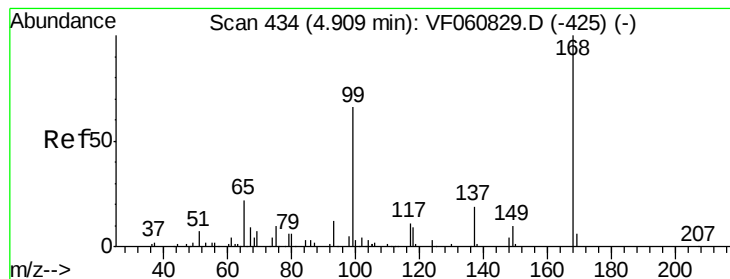
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 03:08:11 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: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

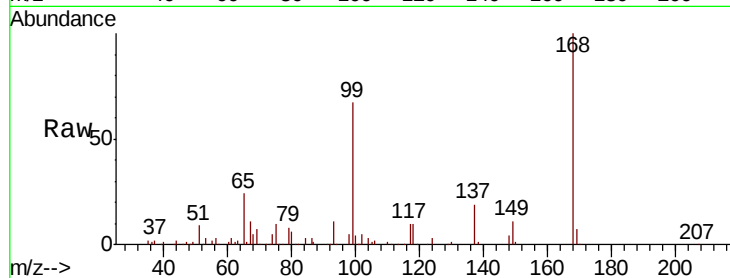
VF1203SBL01

Tot Ion:168 Resp: 207481

Ion Ratio Lower Upper

168 100

99 67.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

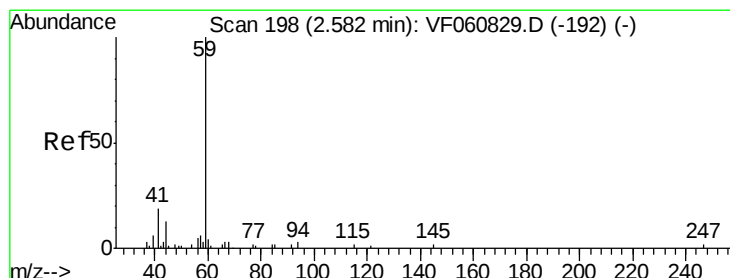
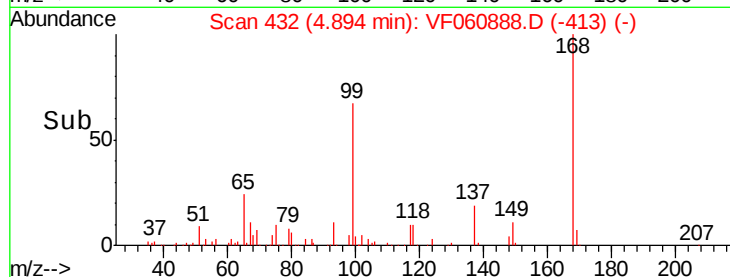
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 2.266 ug/l

RT: 2.58 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060888.D

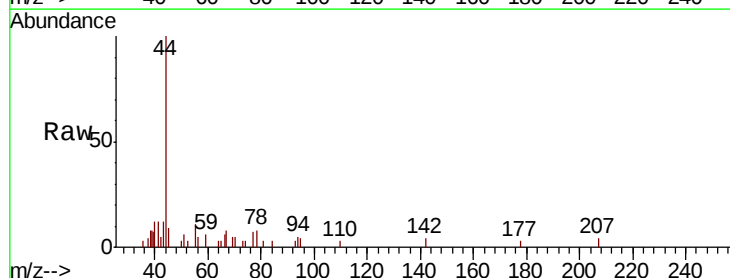
Acq: 3 Dec 2018 13:30

Tgt Ion: 59 Resp: 227

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

2.58

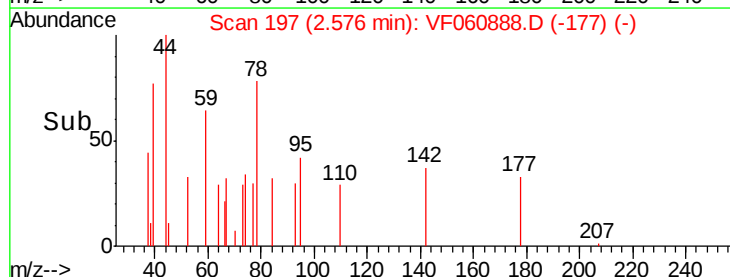
300

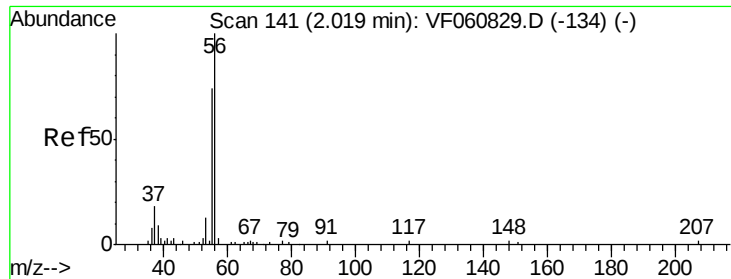
200

100

0

Time--> 2.56 2.58 2.60

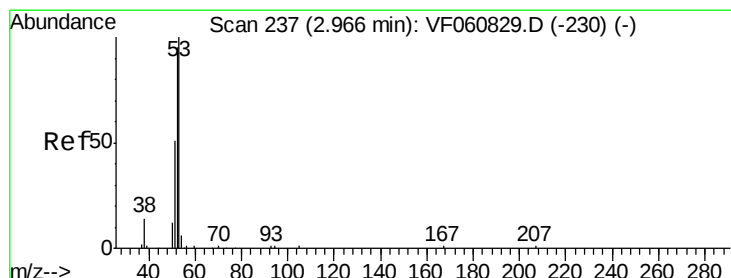
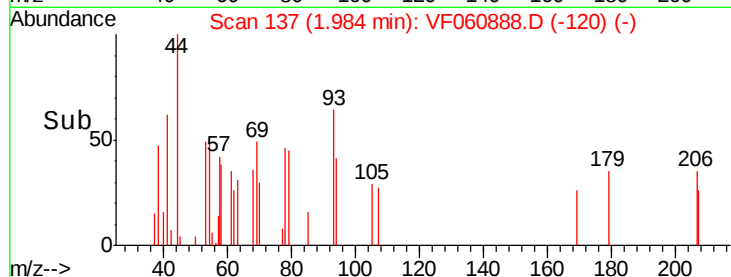
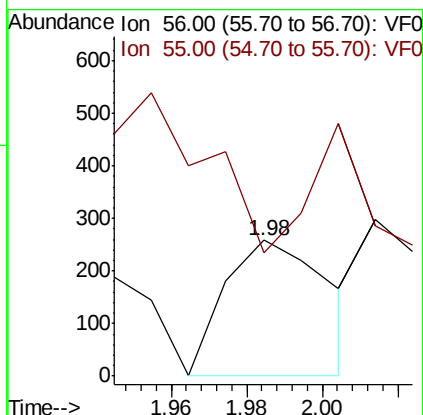
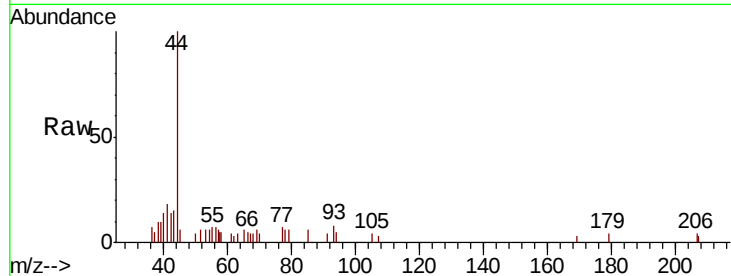




#13
Acrolein
Concen: 5.141 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.03 min
Lab File: VF060888.D
Acq: 3 Dec 2018 13:30

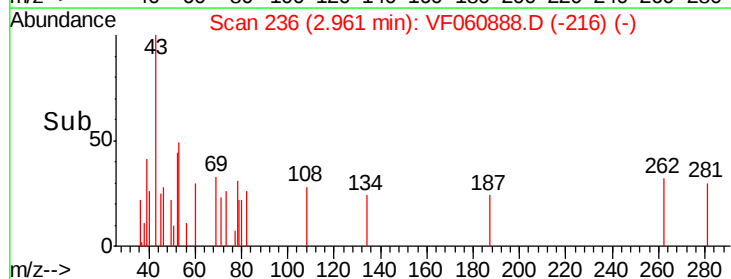
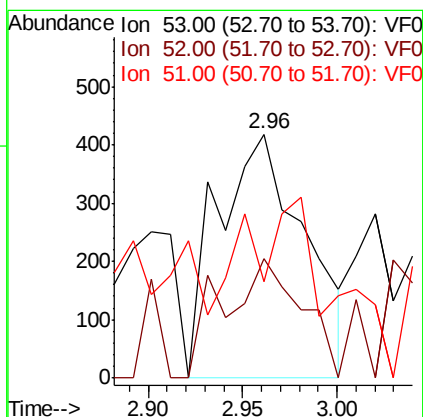
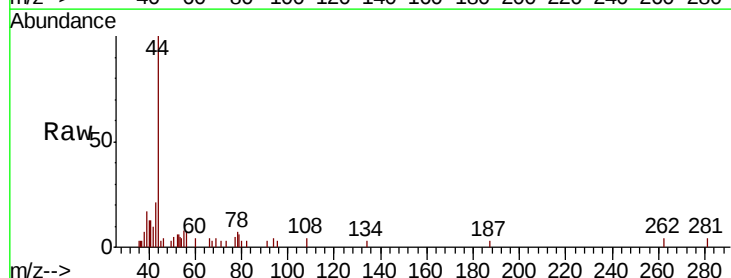
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBL01

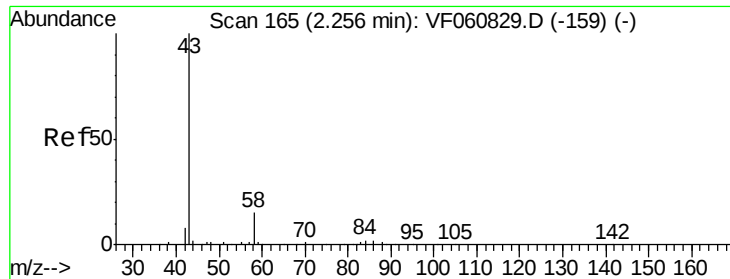
Tot Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 91.1 61.2 91.8



#15
Acrylonitrile
Concen: 6.028 ug/l
RT: 2.96 min Scan# 236
Delta R.T. -0.01 min
Lab File: VF060888.D
Acq: 3 Dec 2018 13:30

Tgt Ion: 53 Resp: 1354
Ion Ratio Lower Upper
53 100
52 48.8 76.5 114.7#
51 39.7 40.7 61.1#





#16

Acetone

Concen: 5.784 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

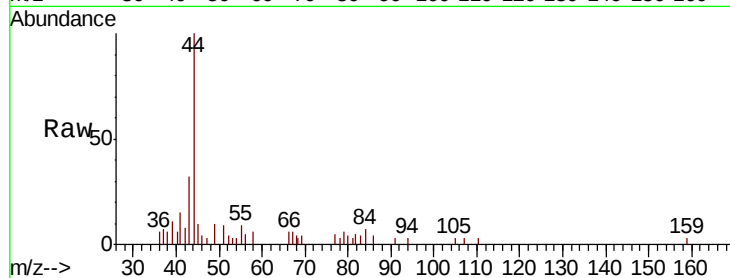
VF1203SBL01

Tot Ion: 43 Resp: 2607

Ion Ratio Lower Upper

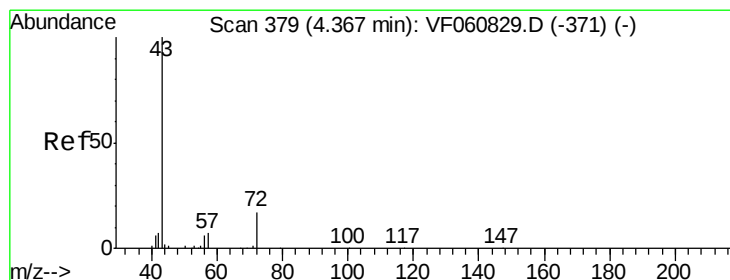
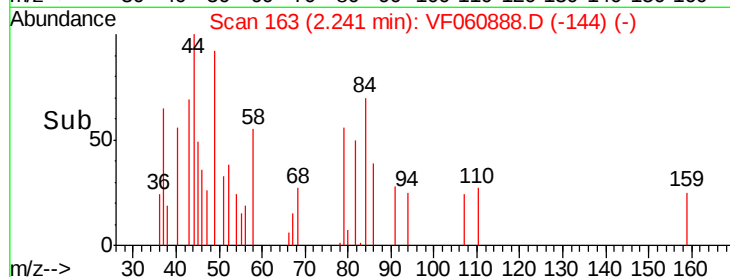
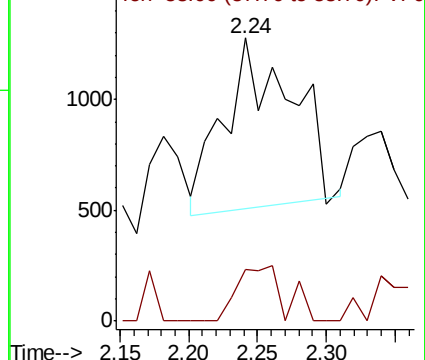
43 100

58 18.3 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#25

2-Butanone

Concen: 2.957 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060888.D

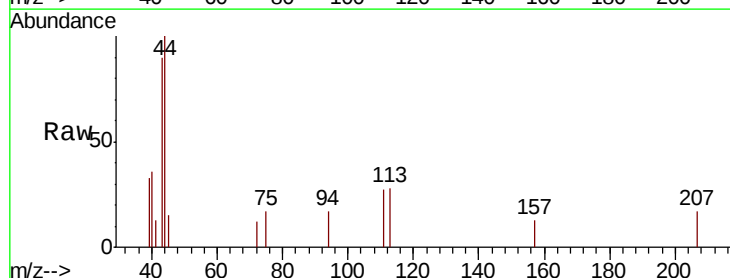
Acq: 3 Dec 2018 13:30

Tgt Ion: 43 Resp: 2305

Ion Ratio Lower Upper

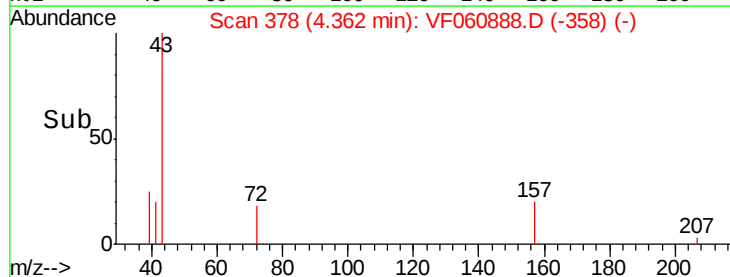
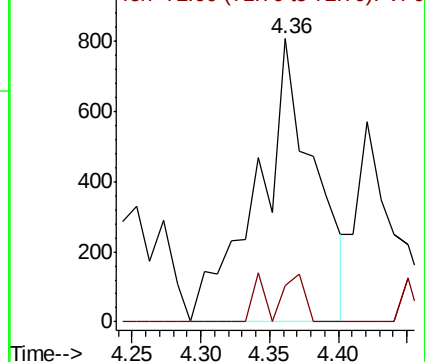
43 100

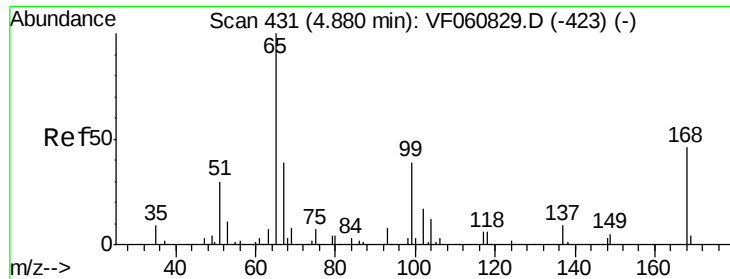
72 12.9 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 56.873 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

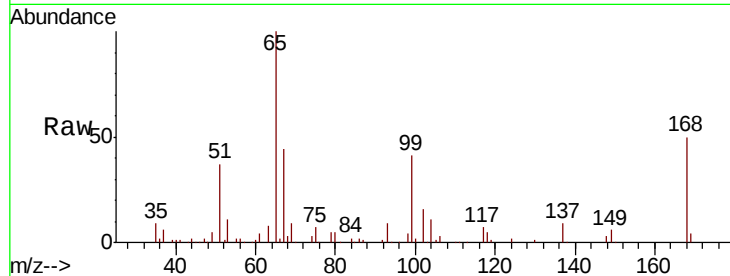
VF1203SBL01

Tot Ion: 65 Resp: 139008

Ion Ratio Lower Upper

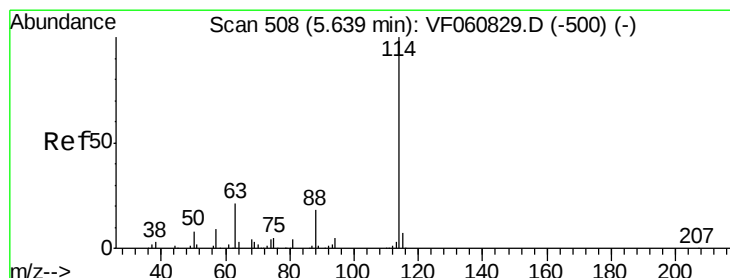
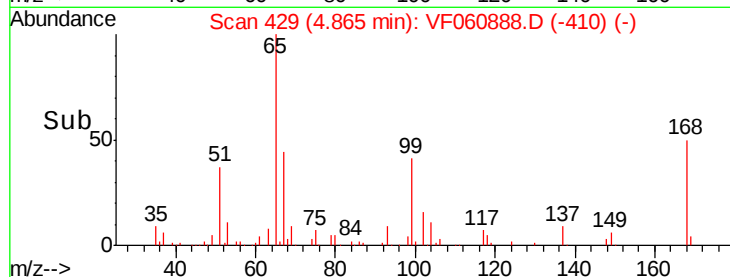
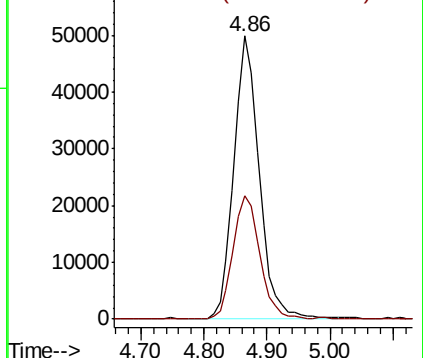
65 100

67 43.8 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. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

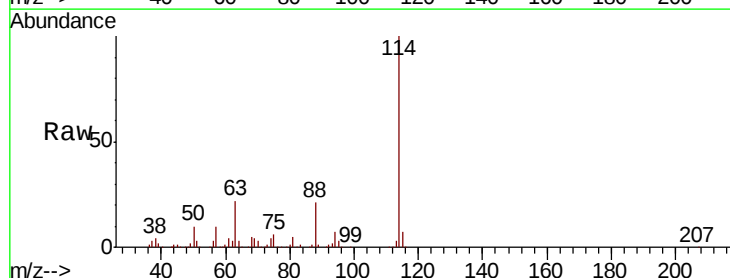
Tgt Ion: 114 Resp: 343436

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

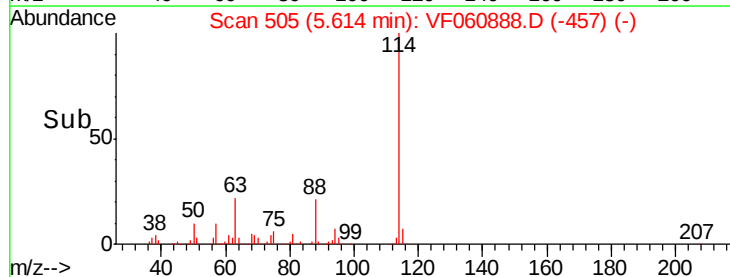
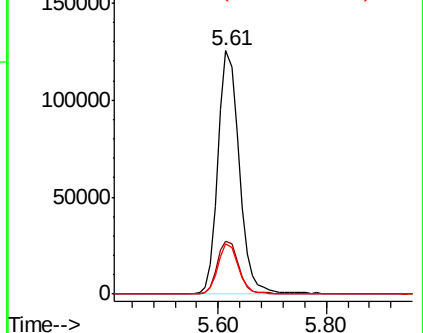
88 20.6 0.0 36.6

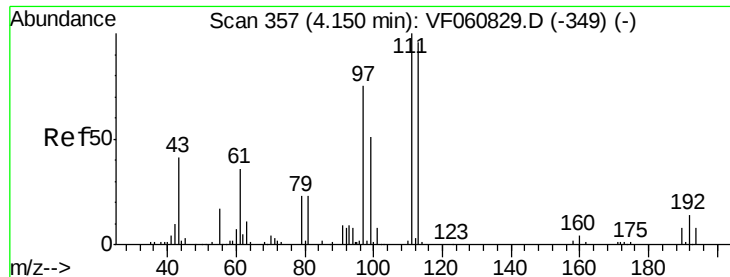


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

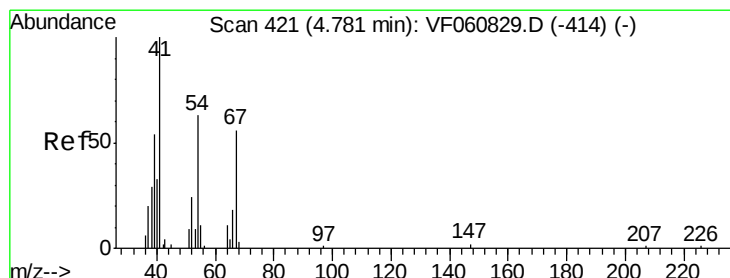
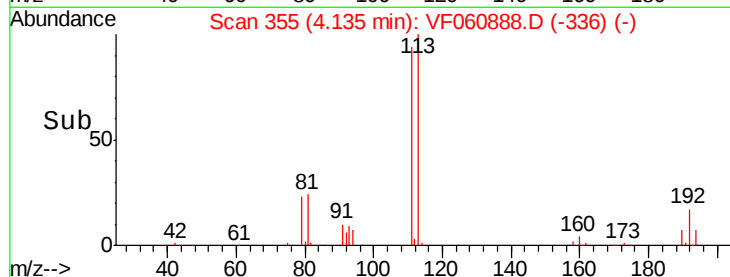
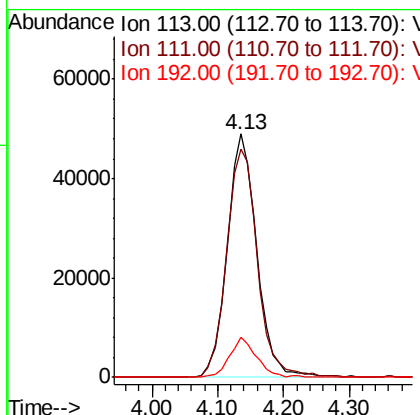
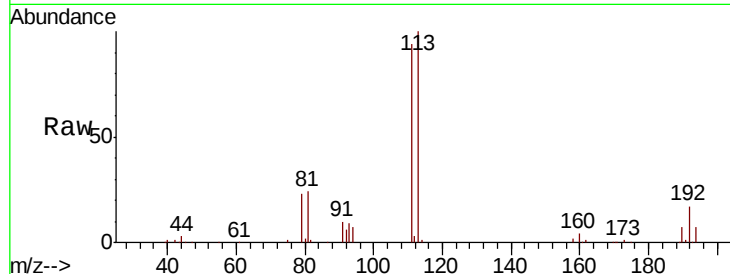




#35
 Dibromofluoromethane
 Concen: 56.557 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF060888.D
 Acq: 3 Dec 2018 13:30

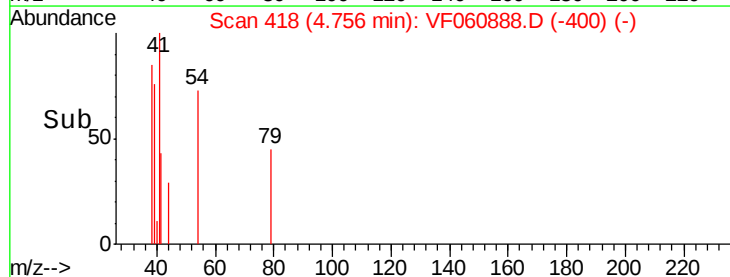
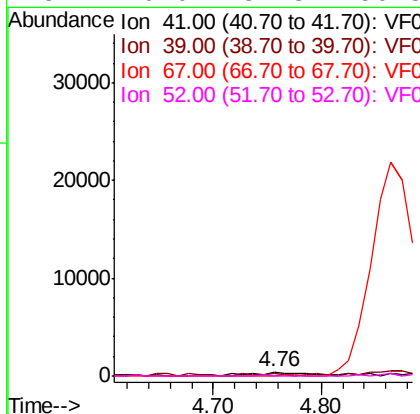
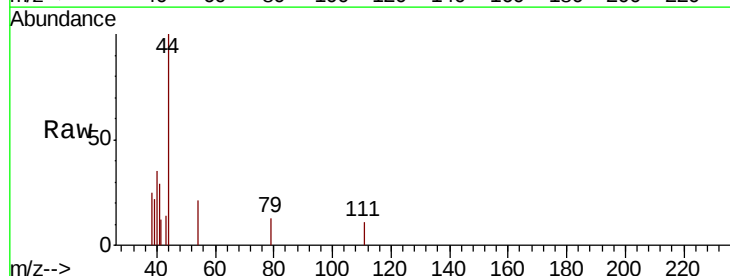
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBL01

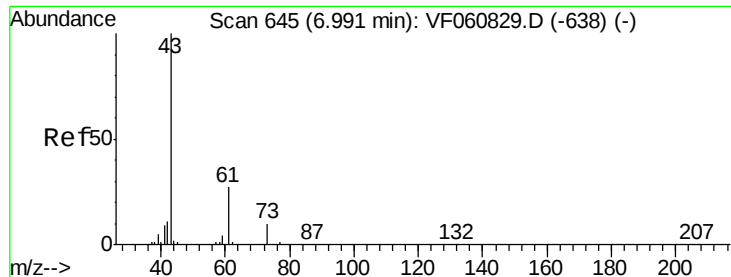
Tot Ion:113 Resp: 154094
 Ion Ratio Lower Upper
 113 100
 111 93.5 83.0 124.6
 192 16.5 12.3 18.5



#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.76 min Scan# 418
 Delta R.T. -0.02 min
 Lab File: VF060888.D
 Acq: 3 Dec 2018 13:30

Tgt Ion: 41 Resp: 1655
 Ion Ratio Lower Upper
 41 100
 39 52.9 53.0 79.6#
 67 0.0 43.8 65.6#
 52 0.0 37.8 56.8#



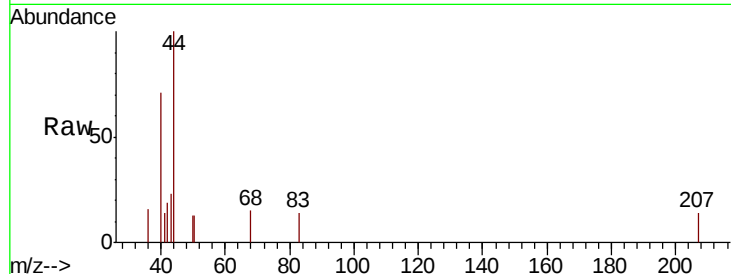


#43

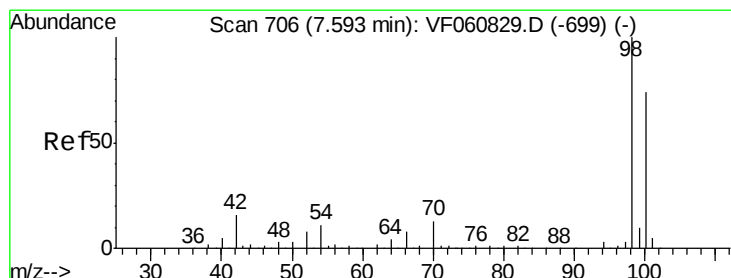
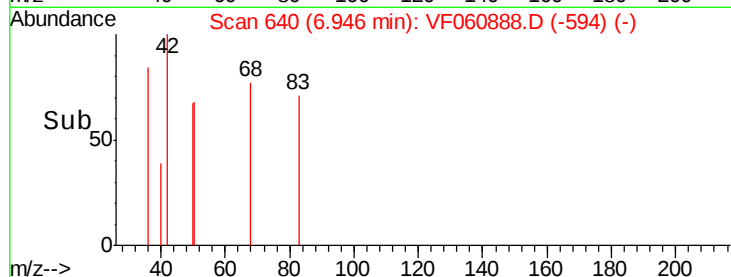
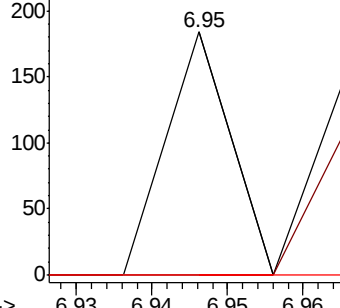
Isopropyl Acetate
 Concen: Below Cal
 RT: 6.95 min Scan# 640
 Delta R.T. -0.04 min
 Lab File: VF060888.D
 Acq: 3 Dec 2018 13:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBL01

Tot Ion: 43 Resp: 109
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#



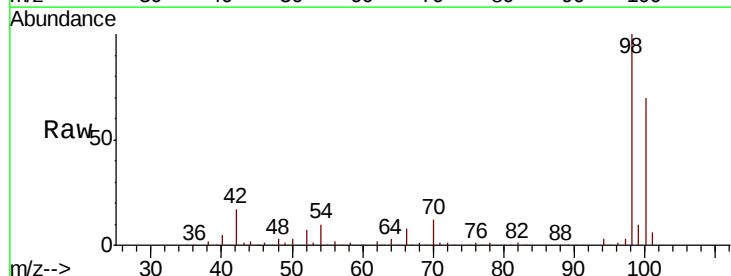
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



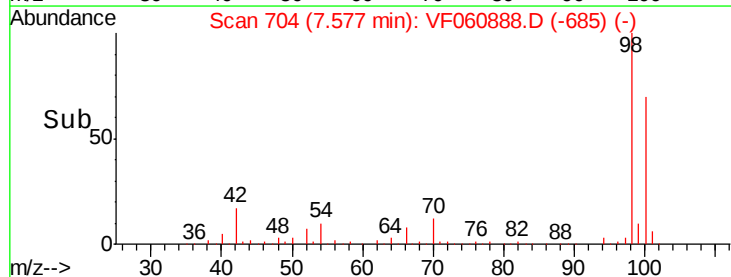
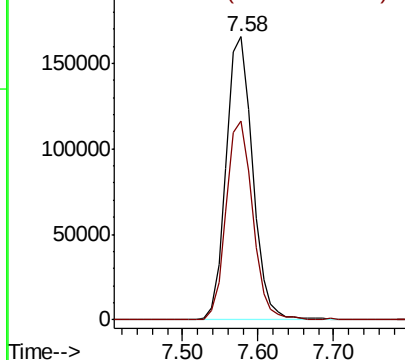
#50

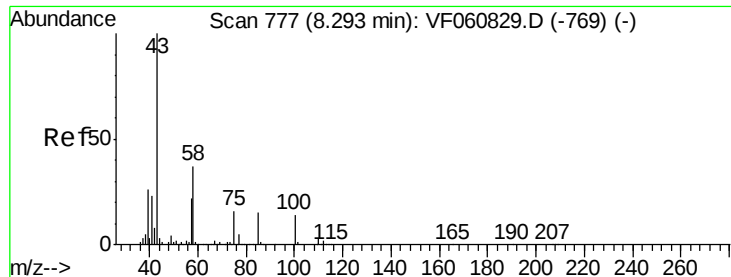
Toluene-d8
 Concen: 50.171 ug/l
 RT: 7.58 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: VF060888.D
 Acq: 3 Dec 2018 13:30

Tgt Ion: 98 Resp: 402663
 Ion Ratio Lower Upper
 98 100
 100 70.5 59.3 88.9



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





#51

4-Methyl-2-Pentanone

Concen: 2.843 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

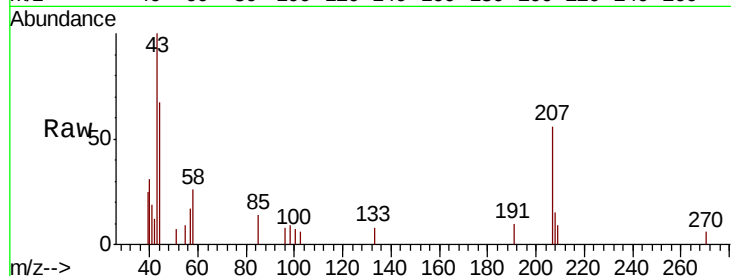
VF1203SBL01

Tot Ion: 43 Resp: 4058

Ion Ratio Lower Upper

43 100

58 26.5 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

1500

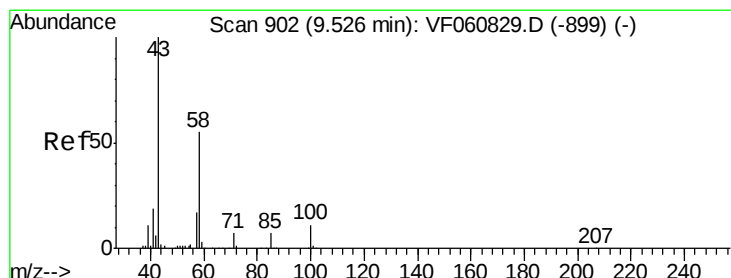
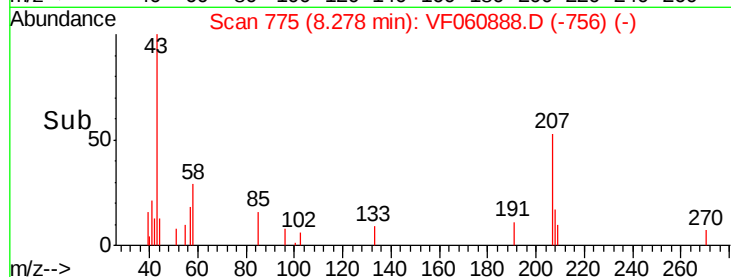
1000

500

0

8.15 8.20 8.25 8.30 8.35

Time-->



#59

2-Hexanone

Concen: 5.648 ug/l

RT: 9.52 min Scan# 901

Delta R.T. -0.01 min

Lab File: VF060888.D

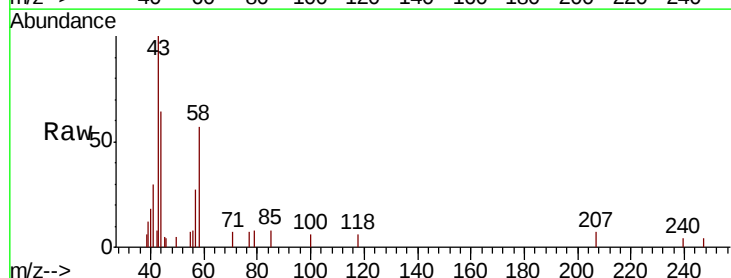
Acq: 3 Dec 2018 13:30

Tgt Ion: 43 Resp: 5656

Ion Ratio Lower Upper

43 100

58 56.7 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.52

2500

2000

1500

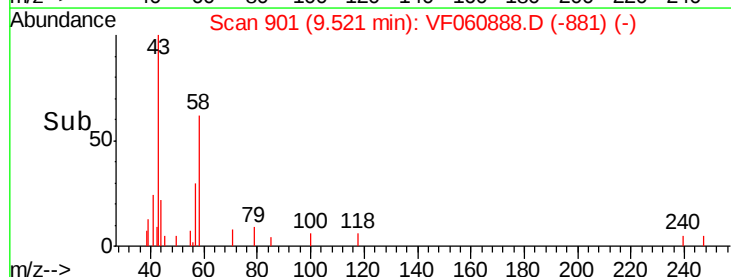
1000

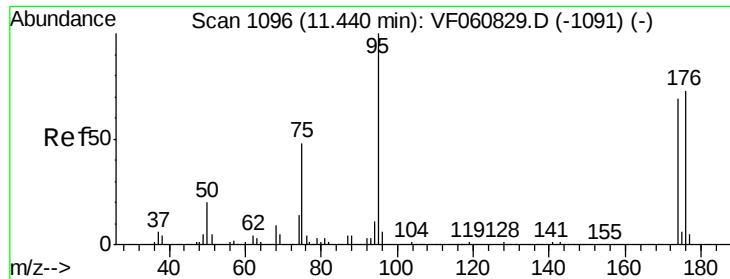
500

0

9.45 9.50 9.55 9.60

Time-->





#62

4-Bromofluorobenzene

Concen: 52.452 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBL01

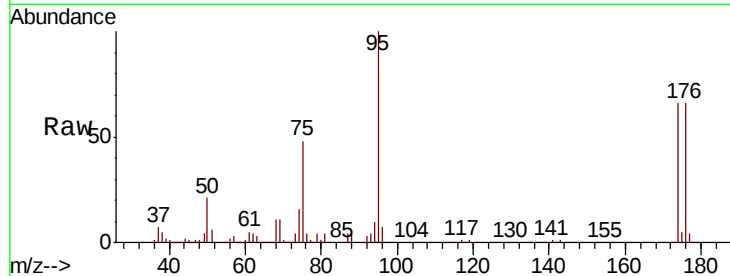
Tot Ion: 95 Resp: 191324

Ion Ratio Lower Upper

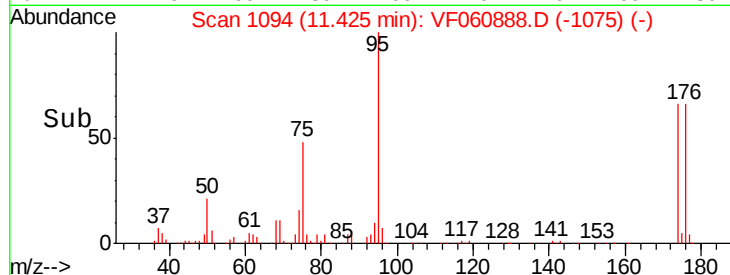
95 100

174 65.8 0.0 138.2

176 66.1 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF060888.D (-1075) (-)



Ion 174.00 (173.70 to 174.70): VF060888.D (-1075) (-)

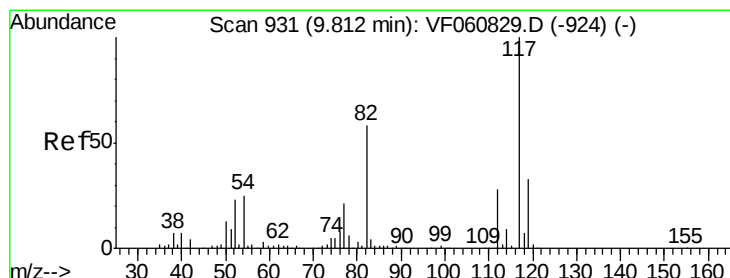
Ion 176.00 (175.70 to 176.70): VF060888.D (-1075) (-)

11.42

100000

50000

Time--> 11.30 11.40 11.50 11.60



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.80 min Scan# 929

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

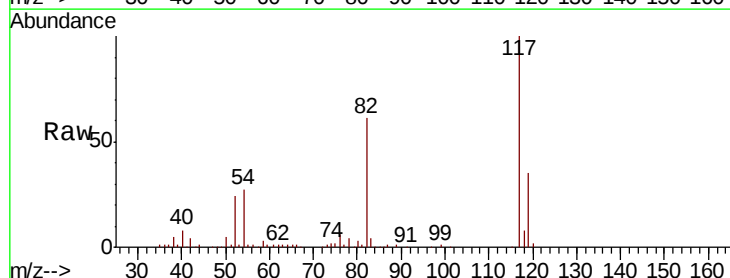
Tgt Ion: 117 Resp: 312898

Ion Ratio Lower Upper

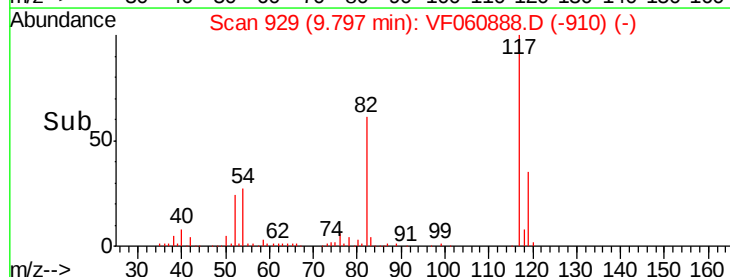
117 100

82 61.1 46.6 69.8

119 35.2 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): VF060888.D (-910) (-)



Ion 82.00 (81.70 to 82.70): VF060888.D (-910) (-)

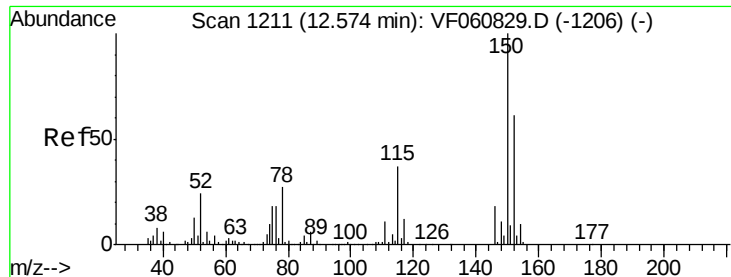
Ion 119.00 (118.70 to 119.70): VF060888.D (-910) (-)

9.80

150000

100000

Time--> 9.70 9.80 9.90



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBL01

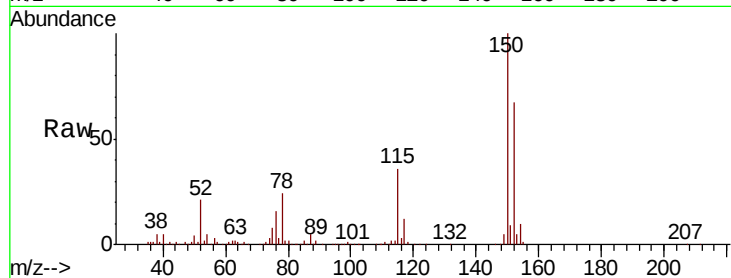
Tot Ion:152 Resp: 182165

Ion Ratio Lower Upper

152 100

115 54.1 30.1 90.5

150 148.5 0.0 327.6

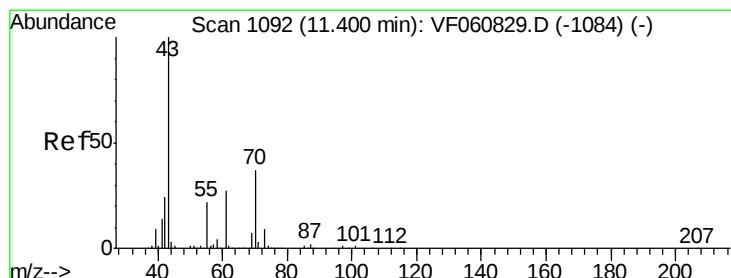
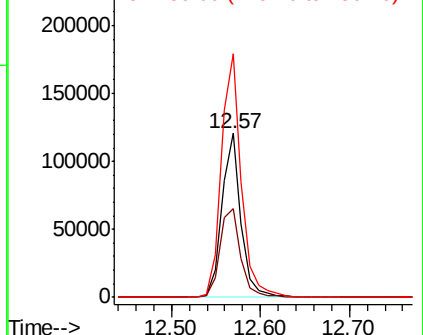
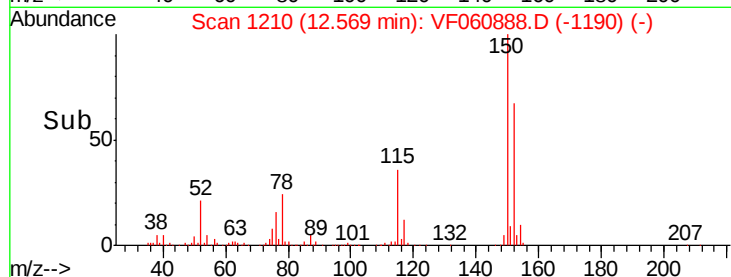


Abundance

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



#74

N-ethyl acetate

Concen: 1.572 ug/l

RT: 11.39 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060888.D

Acq: 3 Dec 2018 13:30

Tgt Ion: 43 Resp: 5224

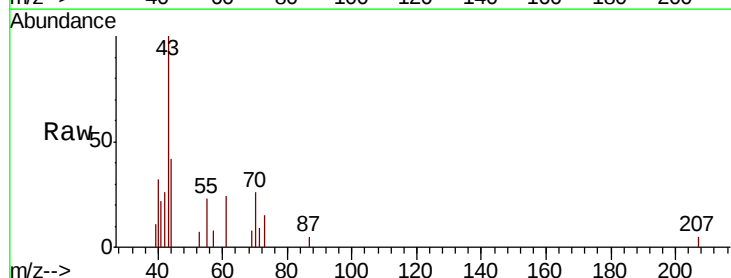
Ion Ratio Lower Upper

43 100

70 26.0 29.6 44.4#

55 22.8 17.2 25.8

61 24.2 21.8 32.6



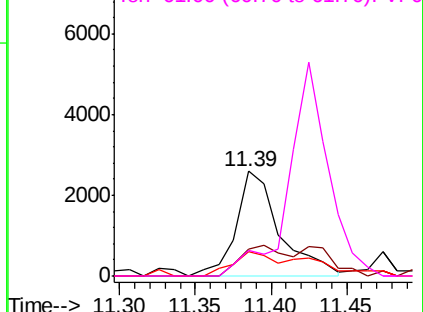
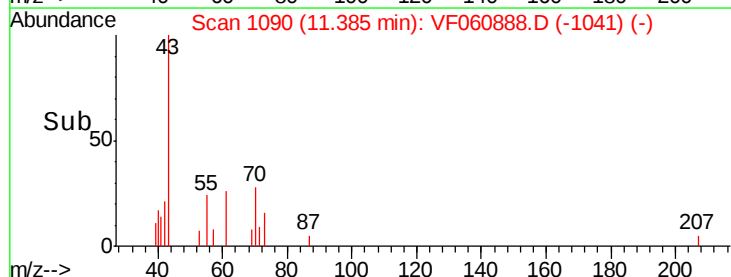
Abundance

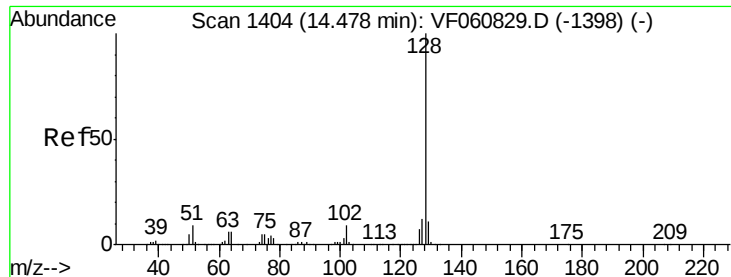
Ion 43.00 (42.70 to 43.70): VF0

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





#95
Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060888.D
Acq: 3 Dec 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.9	9.9	14.9#
129	9.7	9.1	13.7

