

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060925.D
 Acq On : 6 Dec 2018 19:03
 Operator : VA/AP
 Sample : J6214-18
 Misc : 5.69g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 07 00:22:35 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

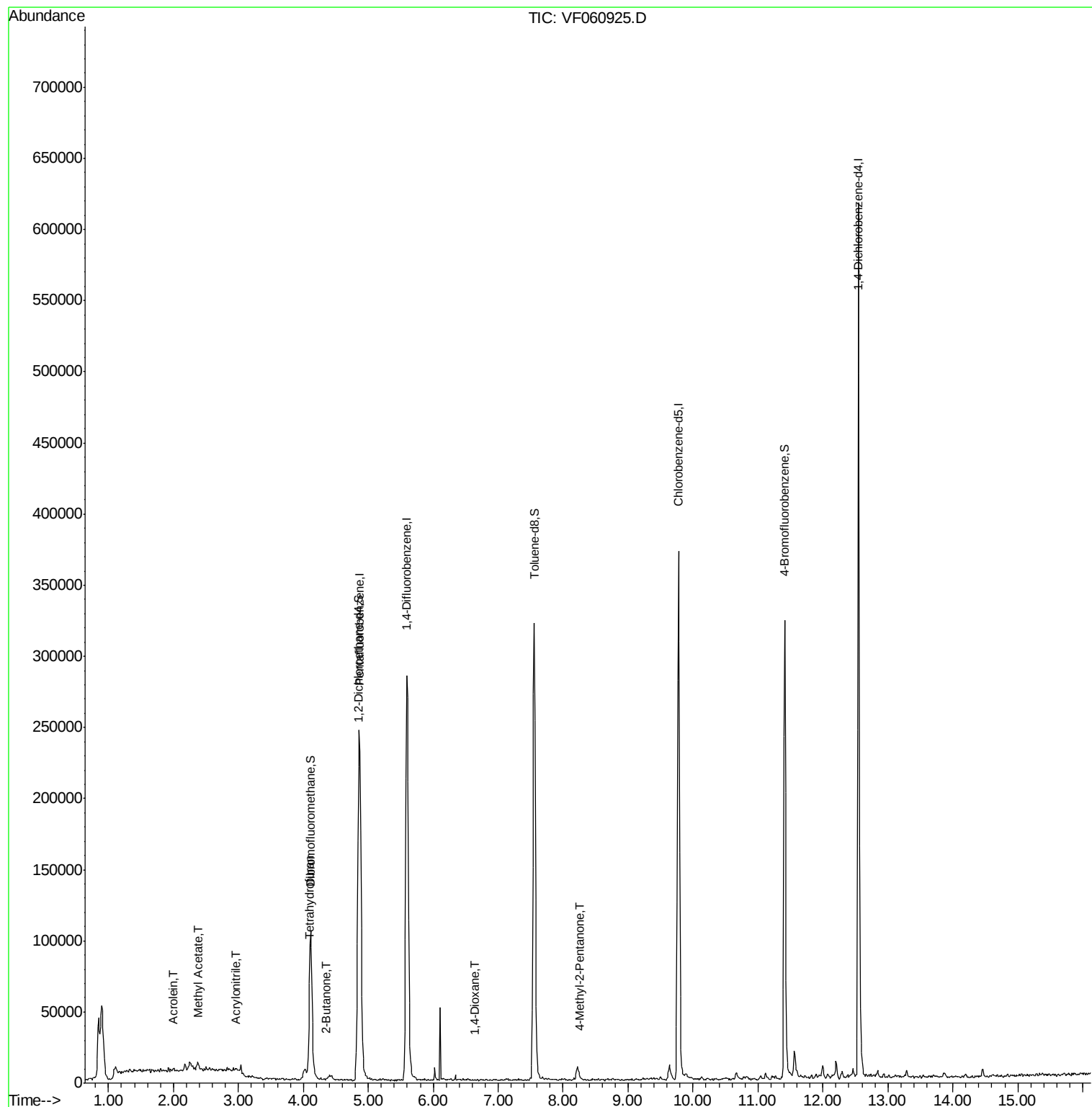
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	186931	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	323732	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	263653	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	153910	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	93117	42.29	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	84.58%	
35) Dibromofluoromethane	4.11	113	100003	38.94	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	77.88%	
50) Toluene-d8	7.56	98	266906	35.28	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	70.56%	
62) 4-Bromofluorobenzene	11.41	95	123447	35.90	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	71.80%	
Target Compounds						
					Qvalue	
13) Acrolein	1.99	56	497	5.811	ug/l #	10
15) Acrylonitrile	2.98	53	743	3.671	ug/l #	59
18) Methyl Acetate	2.38	43	3027	2.887	ug/l #	61
25) 2-Butanone	4.35	43	1410	2.007	ug/l #	57
29) Tetrahydrofuran	4.08	42	618	2.076	ug/l #	59
41) Methacrylonitrile	4.76	41	231	Below Cal	#	52
43) Isopropyl Acetate	6.93	43	1416	Below Cal	#	49
49) 1,4-Dioxane	6.64	88	82	8.483	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	1906	1.416	ug/l	98
95) Naphthalene	14.45	128	2251	Below Cal	#	84

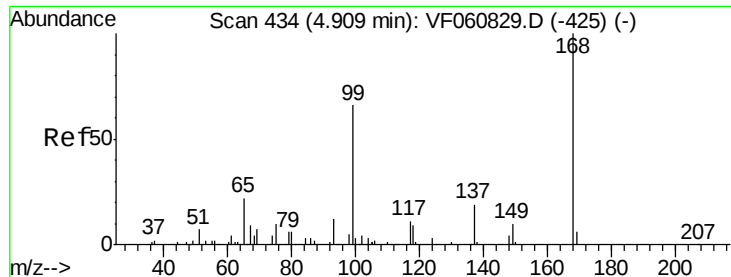
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060925.D

Acq: 6 Dec 2018 19:03

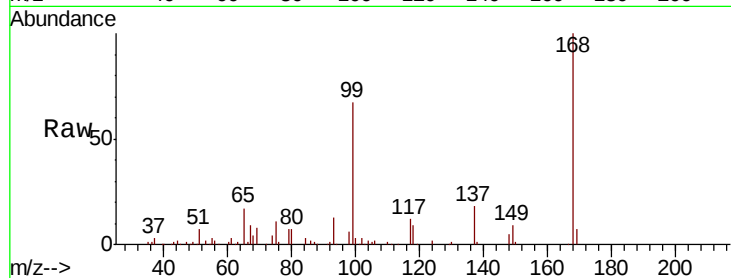
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 186931

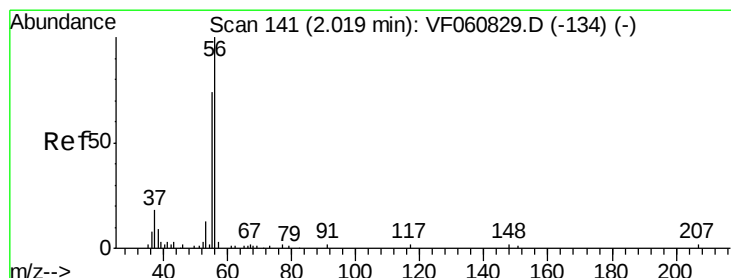
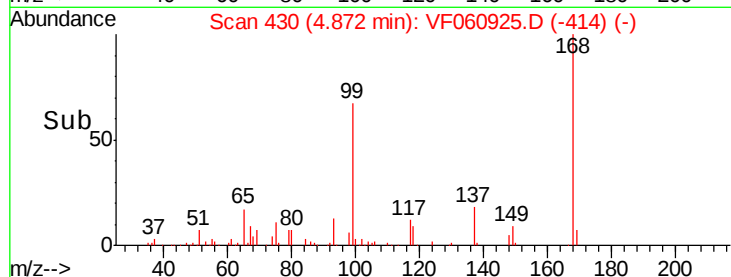
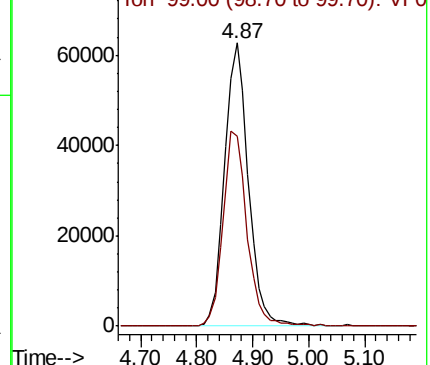
Ion Ratio Lower Upper

168 100

99 67.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#13

Acrolein

Concen: 5.811 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060925.D

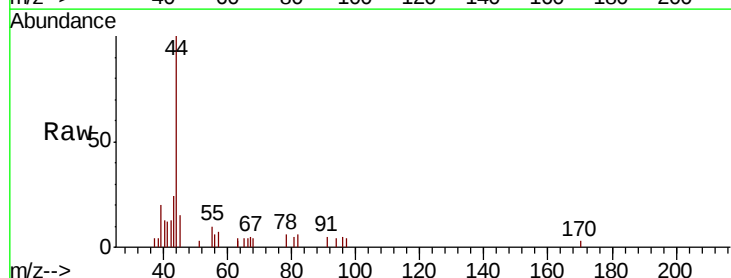
Acq: 6 Dec 2018 19:03

Tgt Ion: 56 Resp: 497

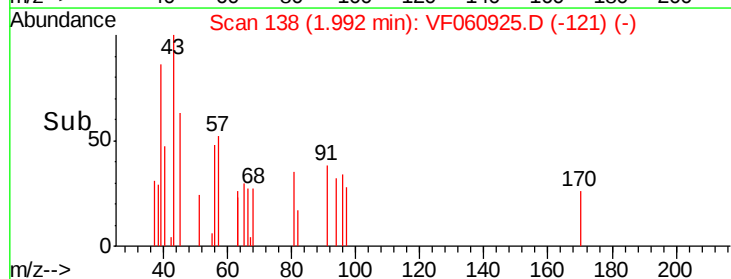
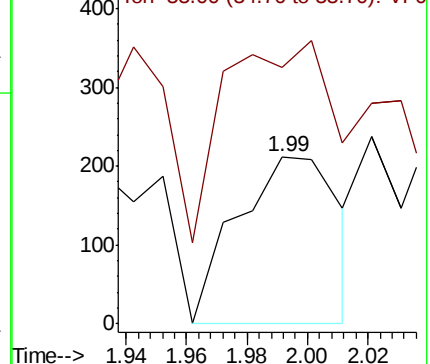
Ion Ratio Lower Upper

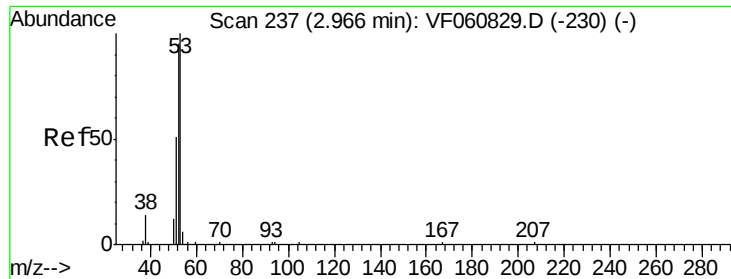
56 100

55 153.8 61.2 91.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0





#15

Acrylonitrile

Concen: 3.671 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060925.D

Acq: 6 Dec 2018 19:03

Instrument :

MSVOA_F

ClientSampleId :

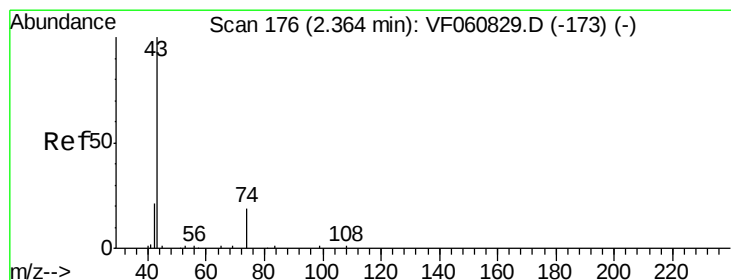
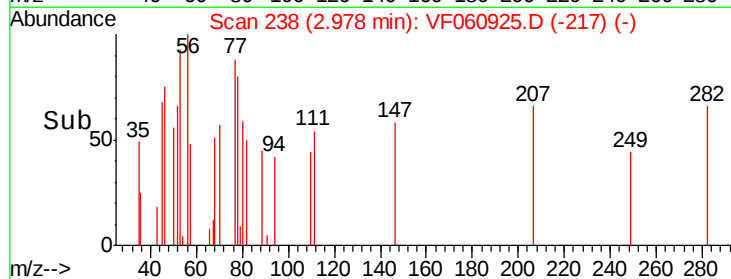
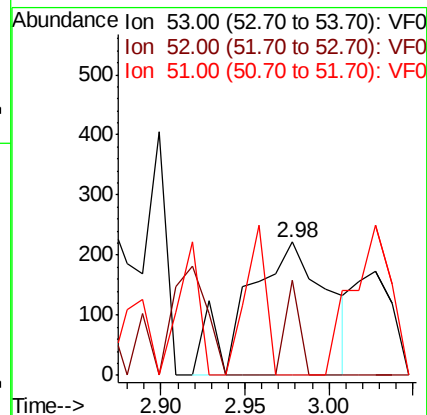
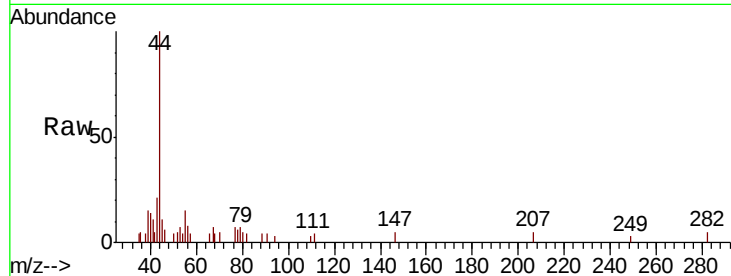
Tot Ion: 53 Resp: 743

Ion Ratio Lower Upper

53 100

52 71.6 76.5 114.7#

51 0.0 40.7 61.1#



#18

Methyl Acetate

Concen: 2.887 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF060925.D

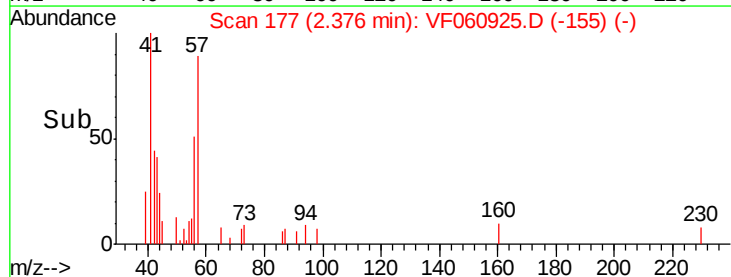
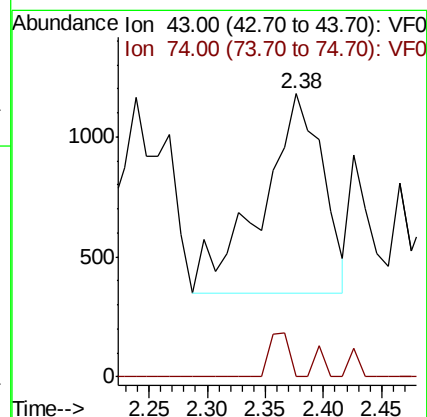
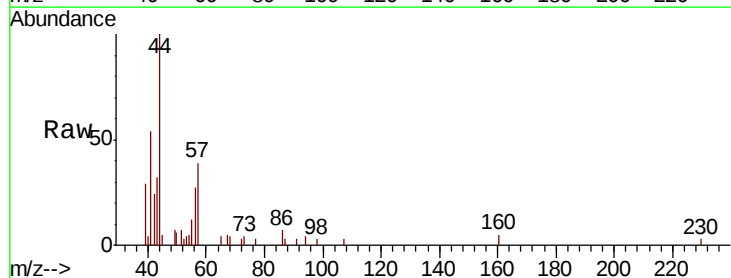
Acq: 6 Dec 2018 19:03

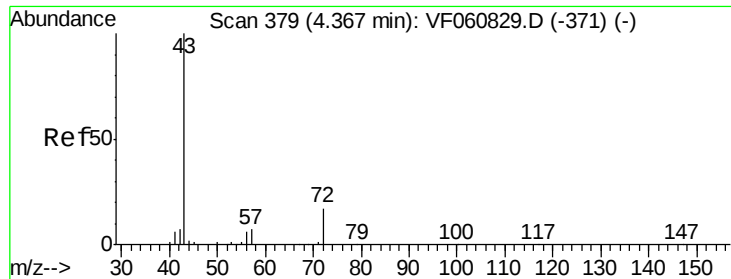
Tgt Ion: 43 Resp: 3027

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#





#25

2-Butanone

Concen: 2.007 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060925.D

Acq: 6 Dec 2018 19:03

Instrument :

MSVOA_F

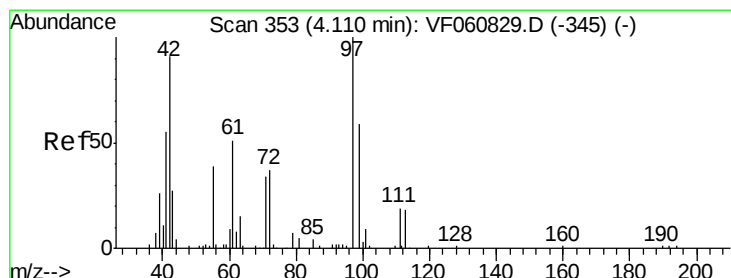
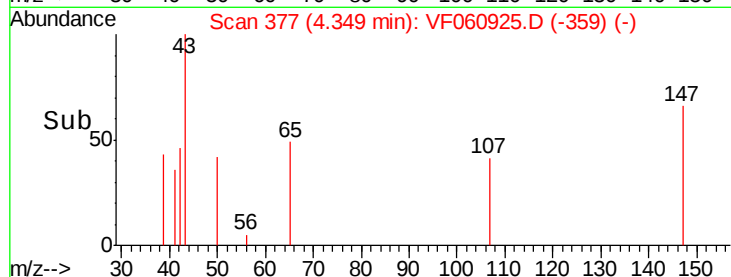
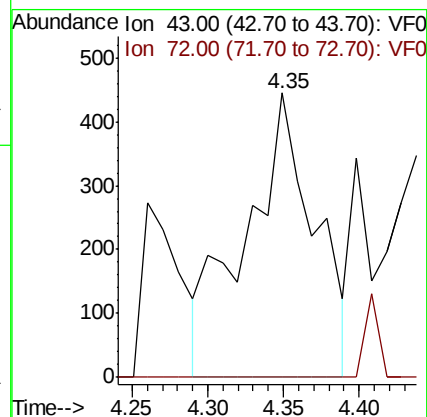
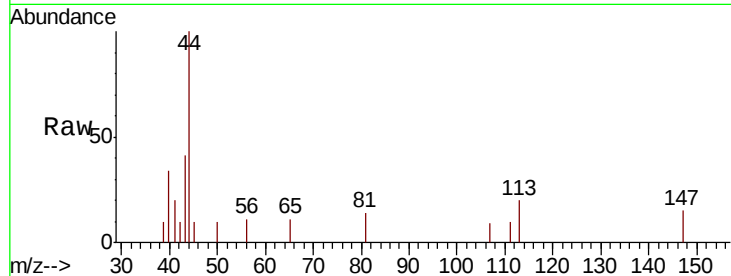
ClientSampleId :

Tot Ion: 43 Resp: 1410

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 2.076 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060925.D

Acq: 6 Dec 2018 19:03

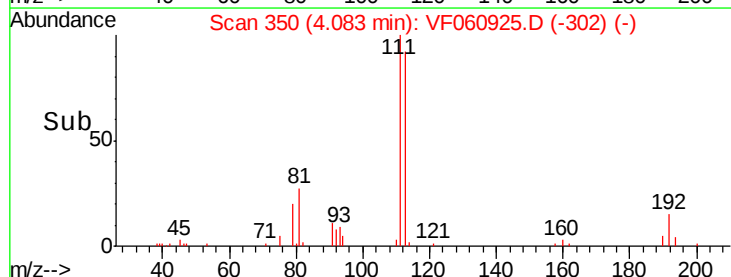
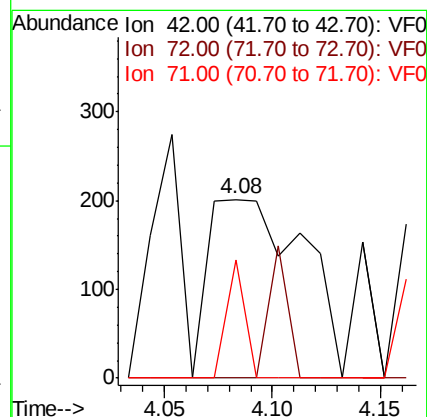
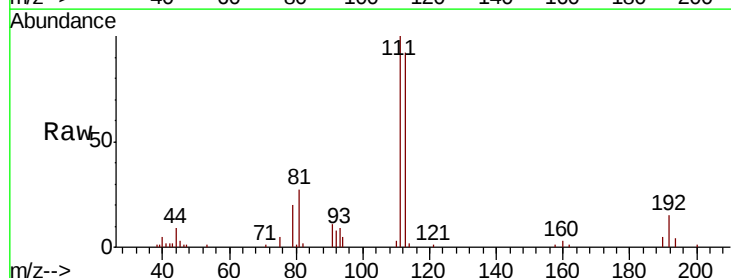
Tgt Ion: 42 Resp: 618

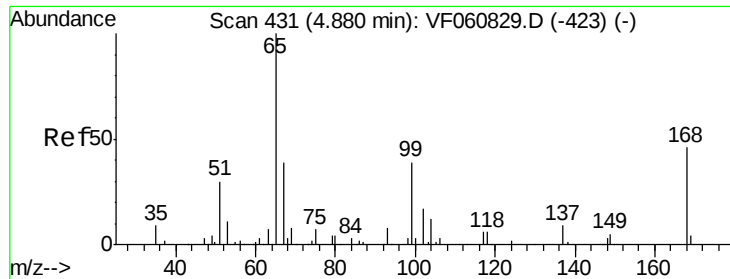
Ion Ratio Lower Upper

42 100

72 14.2 31.9 47.9#

71 12.8 28.7 43.1#

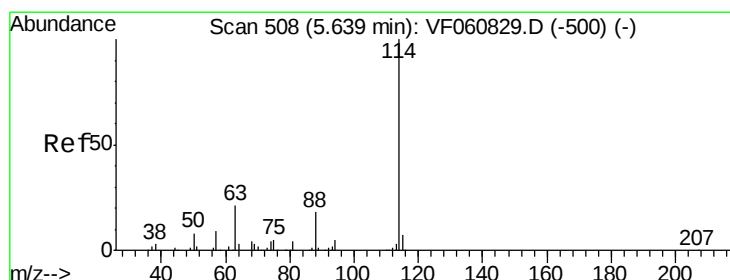
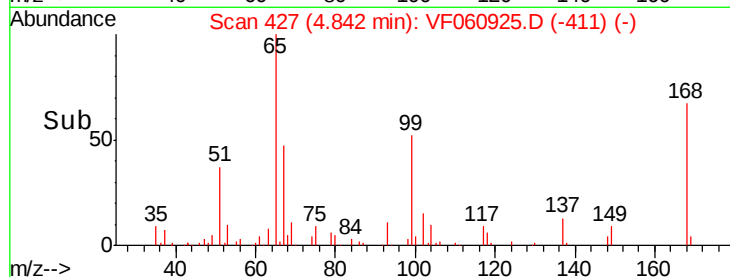
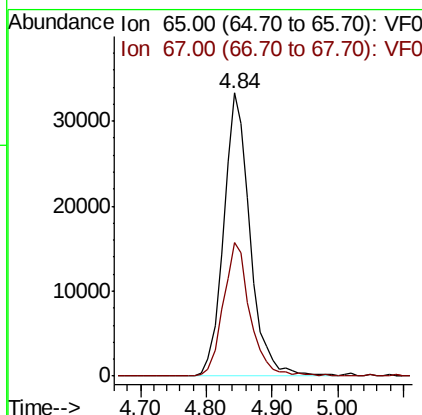
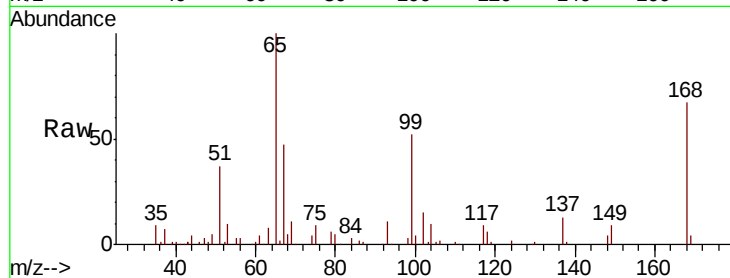




#33
 1,2-Dichloroethane-d4
 Concen: 42.285 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF060925.D
 Acq: 6 Dec 2018 19:03

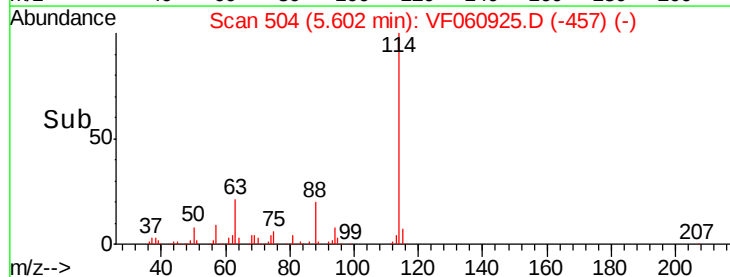
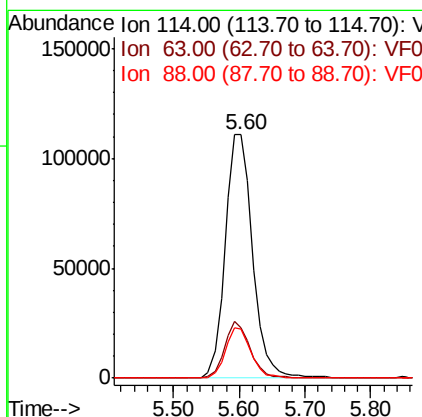
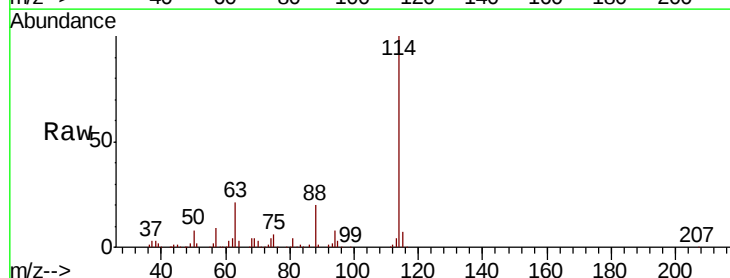
Instrument :
 MSVOA_F
 ClientSampled :

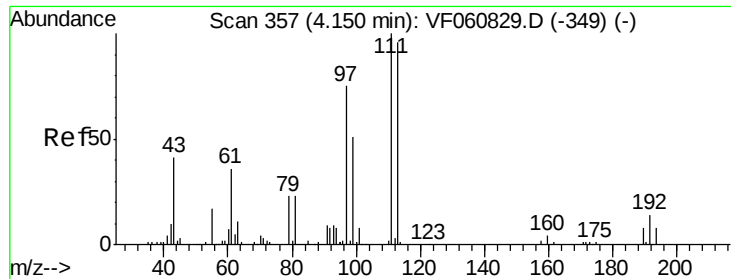
Tot Ion: 65 Resp: 93117
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060925.D
 Acq: 6 Dec 2018 19:03

Tgt Ion: 114 Resp: 323732
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.6
 88 20.0 0.0 36.6

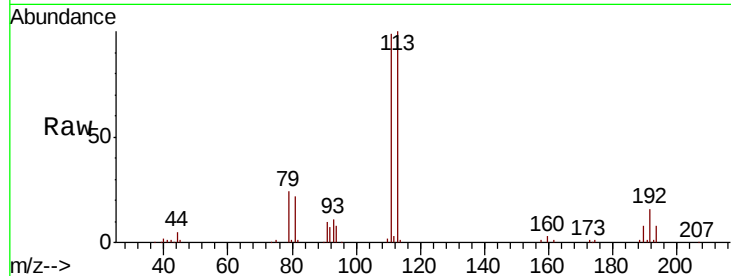




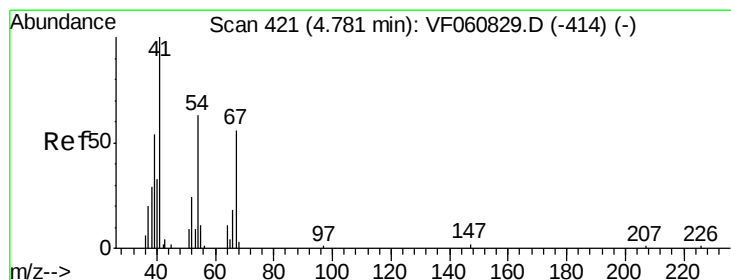
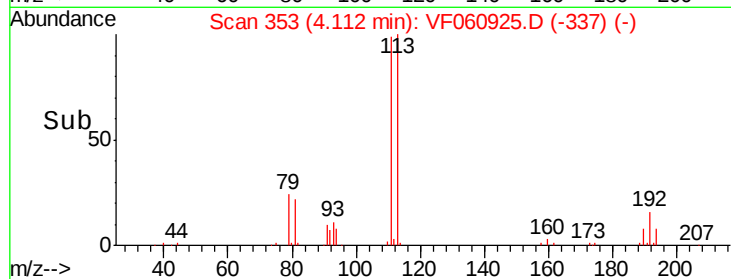
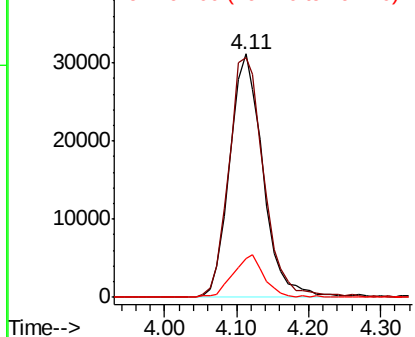
#35
 Dibromofluoromethane
 Concen: 38.938 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF060925.D
 Acq: 6 Dec 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 100003
 Ion Ratio Lower Upper
 113 100
 111 98.5 83.0 124.6
 192 16.0 12.3 18.5

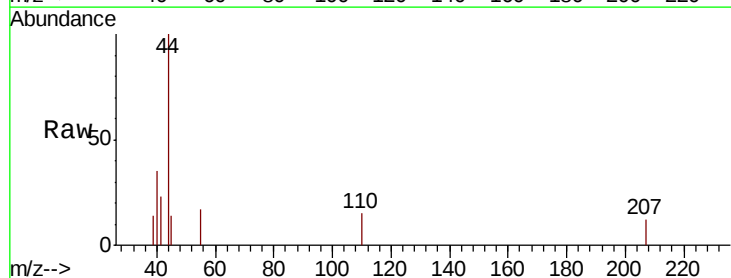


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

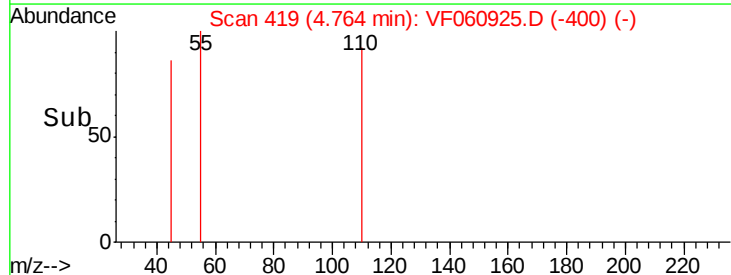
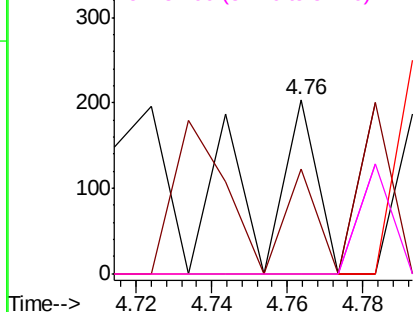


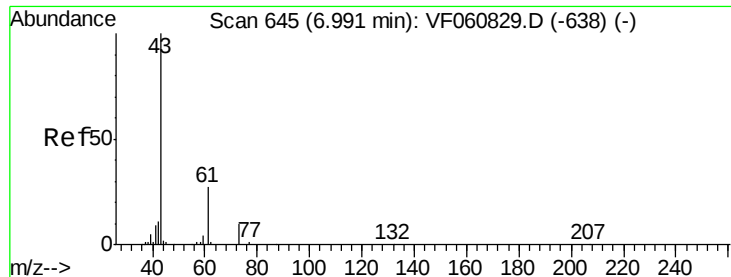
#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.76 min Scan# 419
 Delta R.T. -0.02 min
 Lab File: VF060925.D
 Acq: 6 Dec 2018 19:03

Tgt Ion: 41 Resp: 231
 Ion Ratio Lower Upper
 41 100
 39 59.8 53.0 79.6
 67 0.0 43.8 65.6#
 52 0.0 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



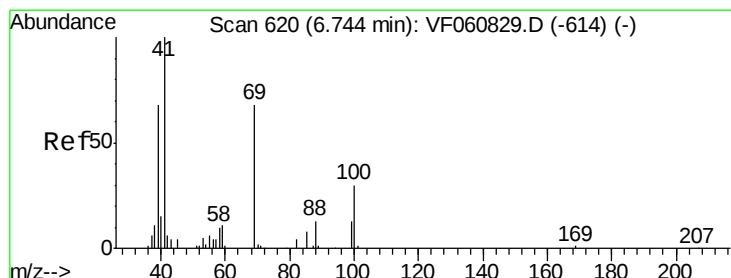
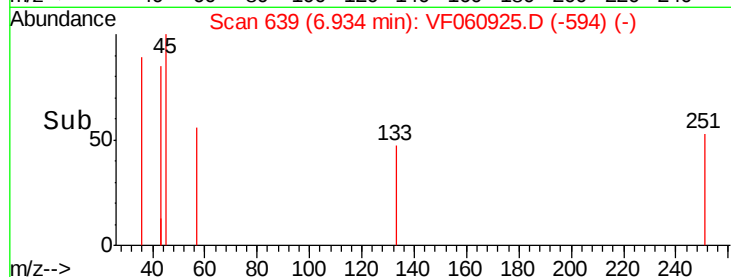
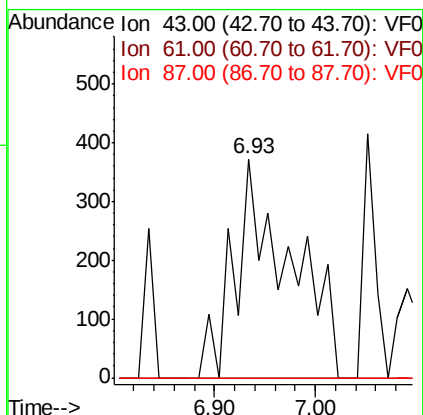
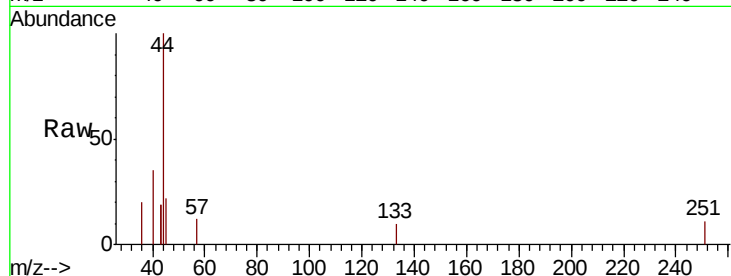


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.93 min Scan# 639
 Delta R.T. -0.06 min
 Lab File: VF060925.D
 Acq: 6 Dec 2018 19:03

Instrument :
 MSVOA_F
 ClientSampleId :

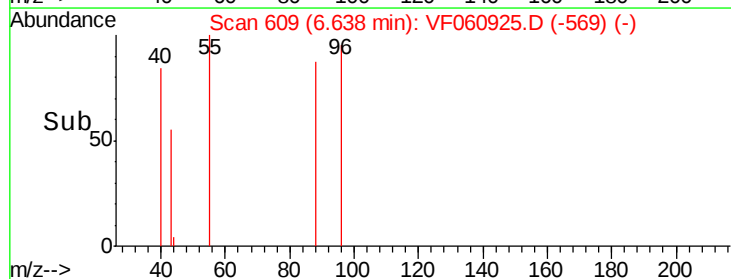
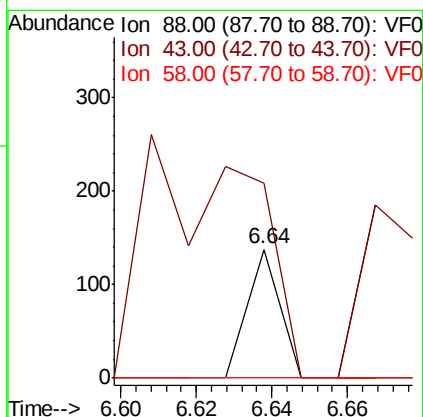
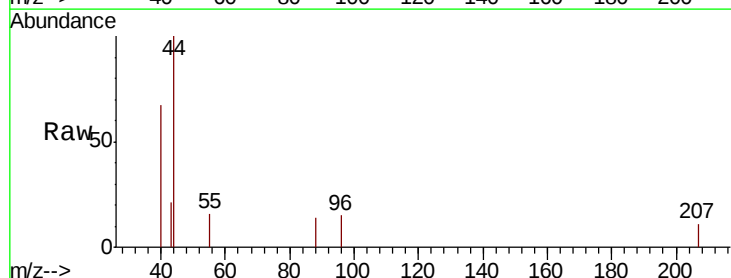
Tot Ion: 43 Resp: 1416
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

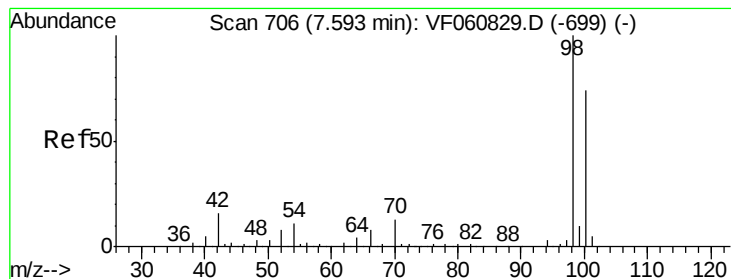


#49

1,4-Dioxane
 Concen: 8.483 ug/l
 RT: 6.64 min Scan# 609
 Delta R.T. -0.11 min
 Lab File: VF060925.D
 Acq: 6 Dec 2018 19:03

Tgt Ion: 88 Resp: 82
 Ion Ratio Lower Upper
 88 100
 43 151.4 42.0 63.0#
 58 0.0 61.8 92.8#





#50

Toluene-d8

Concen: 35.280 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060925.D

Acq: 6 Dec 2018 19:03

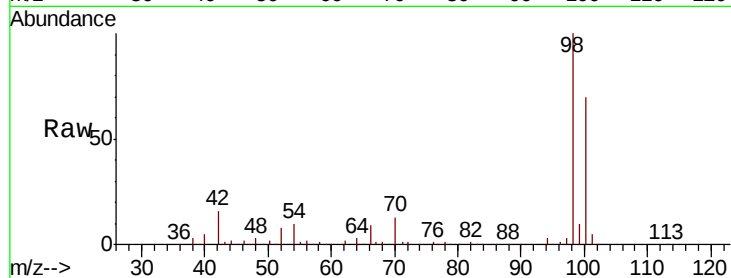
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 266906

Ion Ratio Lower Upper

98 100

100 70.0 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

120000

100000

80000

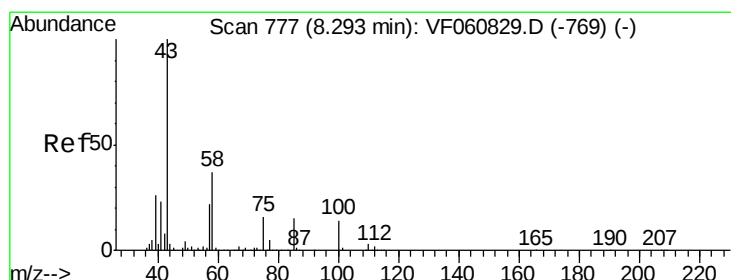
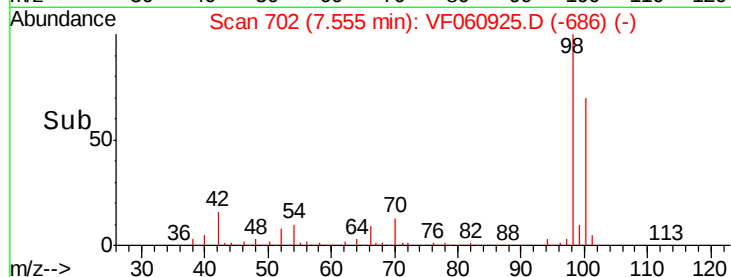
60000

40000

20000

0

Time--> 7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 1.416 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060925.D

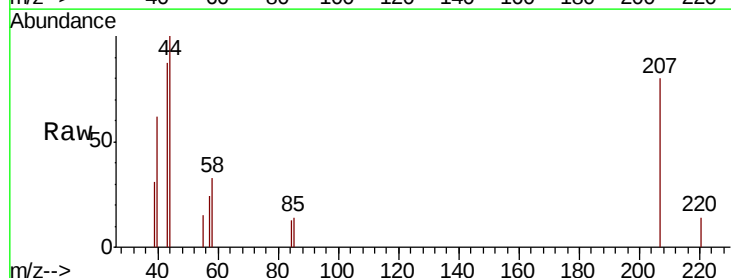
Acq: 6 Dec 2018 19:03

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

58 38.0 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

800

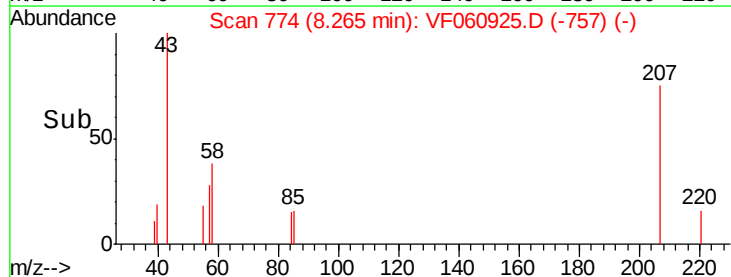
600

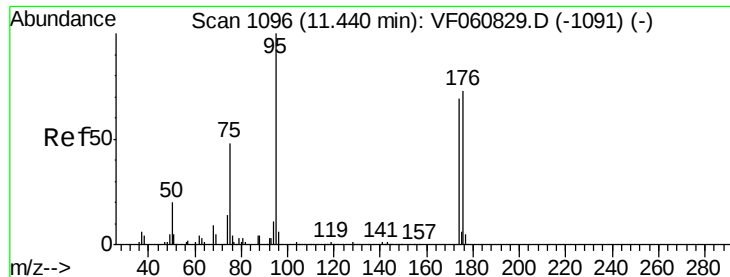
400

200

0

Time--> 8.20 8.25 8.30

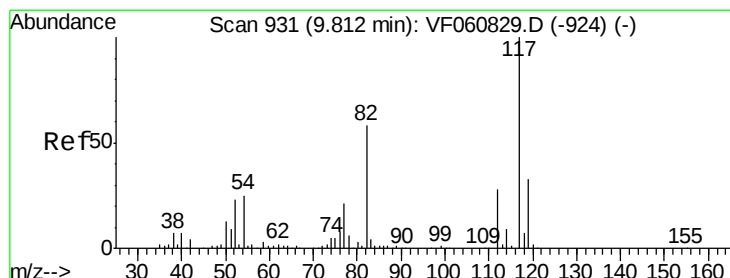
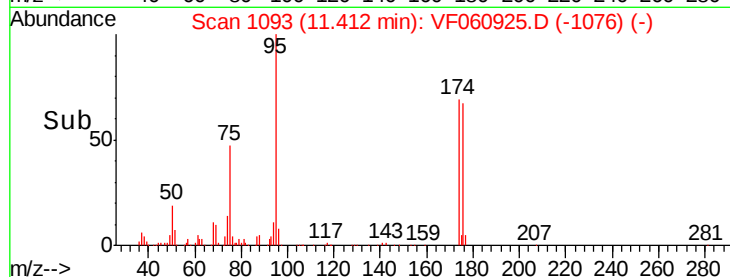
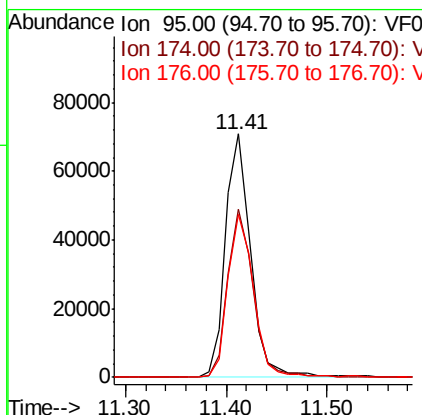
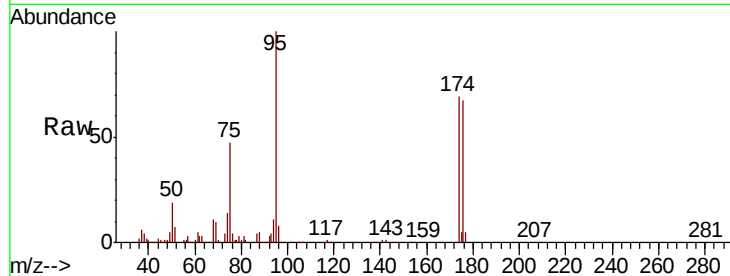




#62
4-Bromofluorobenzene
Concen: 35.903 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060925.D
Acq: 6 Dec 2018 19:03

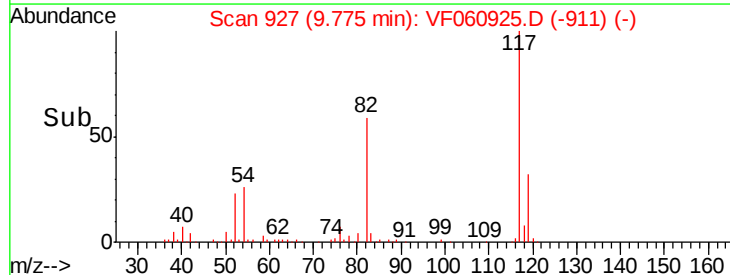
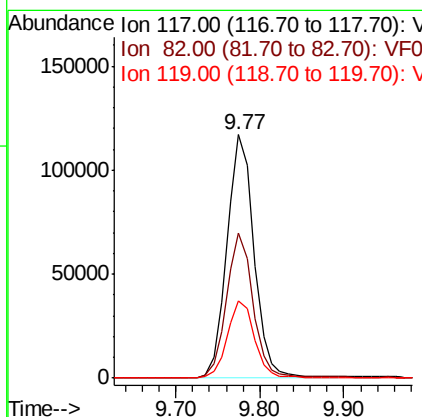
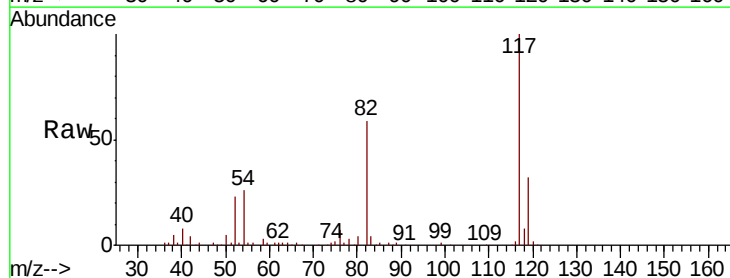
Instrument :
MSVOA_F
ClientSampleId :

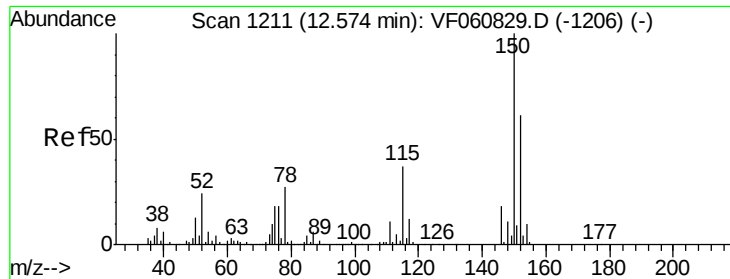
Tot Ion	95	Resp	123447
Ion Ratio	Lower	Upper	
95	100		
174	69.0	0.0	138.2
176	66.9	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060925.D
Acq: 6 Dec 2018 19:03

Tgt Ion	117	Resp	263653
Ion Ratio	Lower	Upper	
117	100		
82	59.5	46.6	69.8
119	31.6	26.4	39.6



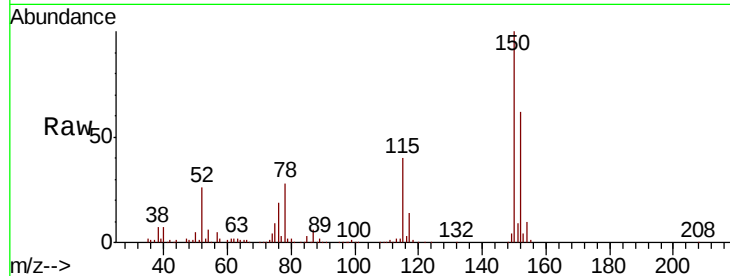


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060925.D
Acq: 6 Dec 2018 19:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.5	30.1	90.5
150	160.9	0.0	327.6

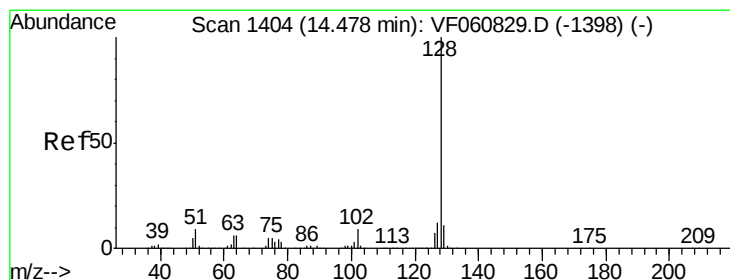
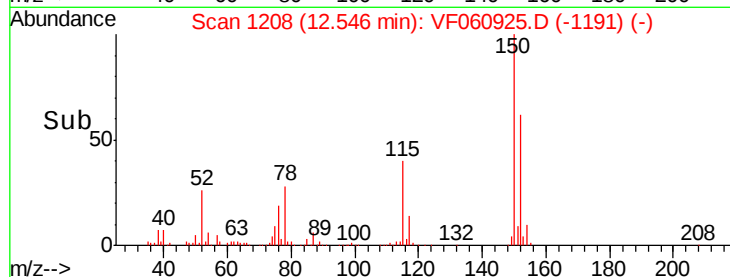
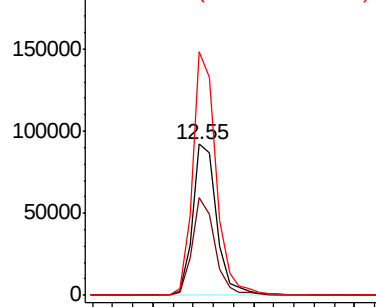


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

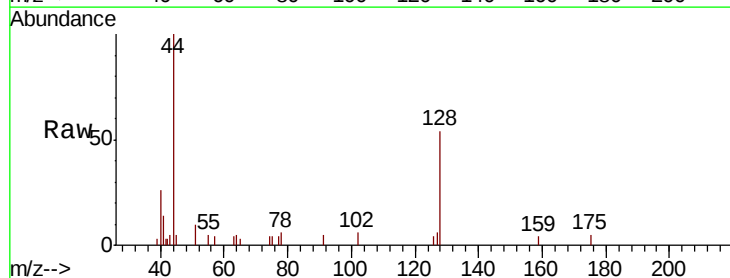
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060925.D
Acq: 6 Dec 2018 19:03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.8	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

