

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
 Data File : VF060033.D
 Acq On : 22 Aug 2018 11:54
 Operator : VA/AP
 Sample : VF0822SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBL01

Quant Time: Aug 23 04:23:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

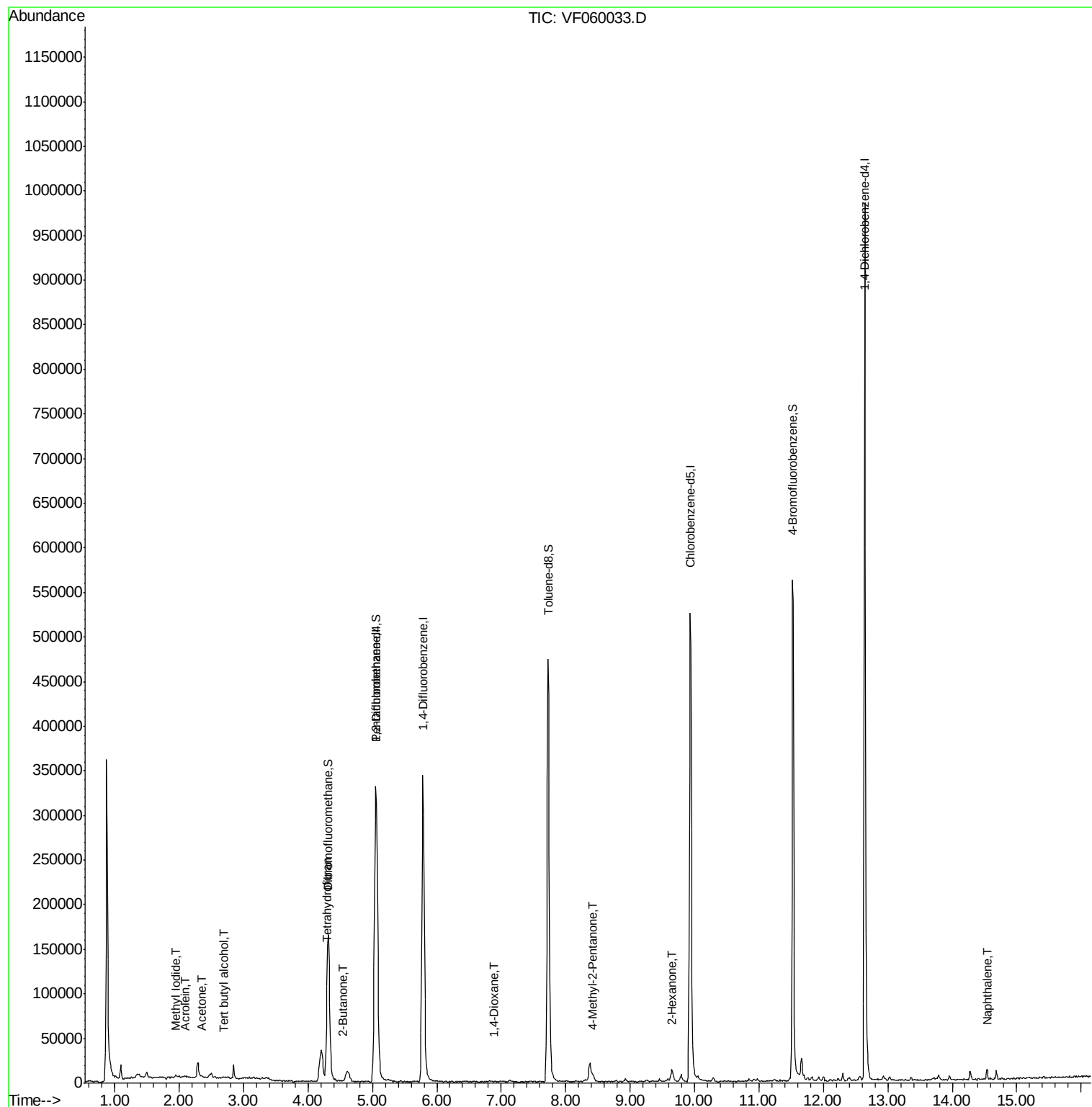
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	243501	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	365058	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	395867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	236737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	153251	45.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.98%	
35) Dibromofluoromethane	4.32	113	151028	52.68	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.36%	
50) Toluene-d8	7.73	98	398583	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.52	95	212666	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.08	50	2988	Below Cal		90
10) Methyl Iodide	1.95	142	3083	1.110 ug/l #		69
11) Tert butyl alcohol	2.68	59	871	4.913 ug/l #		80
13) Acrolein	2.09	56	257	28.446 ug/l		96
16) Acetone	2.34	43	4254	4.857 ug/l #		93
18) Methyl Acetate	2.50	43	3087	Below Cal #		60
20) Methylene Chloride	2.29	84	7181	Below Cal		91
25) 2-Butanone	4.53	43	1472	1.294 ug/l #		58
29) Tetrahydrofuran	4.29	42	1100	2.561 ug/l #		44
49) 1,4-Dioxane	6.89	88	103	6.279 ug/l #		18
51) 4-Methyl-2-Pentanone	8.43	43	6834	3.065 ug/l		95
52) Toluene	7.80	92	963	Below Cal #		68
59) 2-Hexanone	9.65	43	11758	6.515 ug/l		78
68) m/p-Xylenes	10.29	106	1687	Below Cal		92
95) Naphthalene	14.54	128	7048	3.050 ug/l #		91

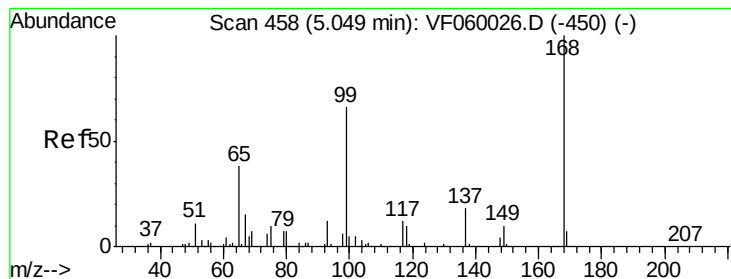
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
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Quant Time: Aug 23 04:23:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampleId :

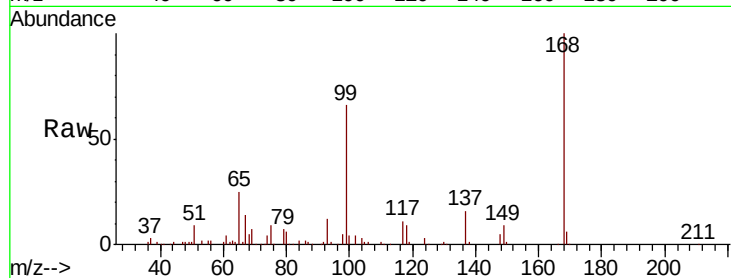
VF0822SBL01

Tgt Ion:168 Resp: 243501

Ion Ratio Lower Upper

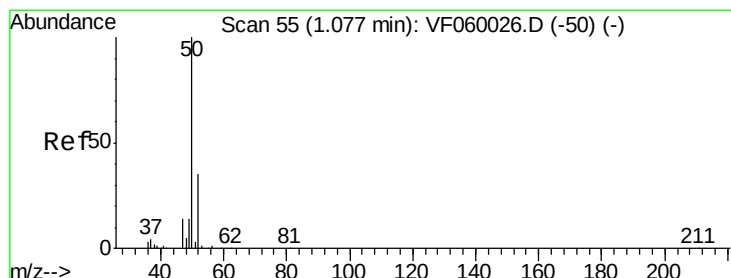
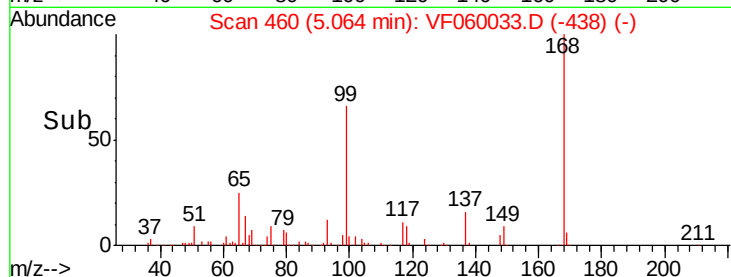
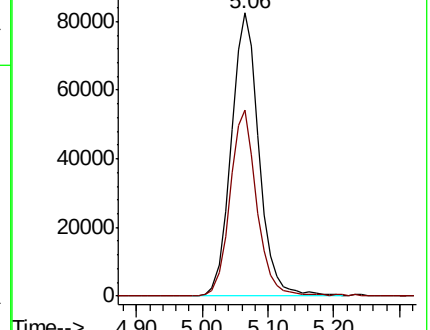
168 100

99 65.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060033.D

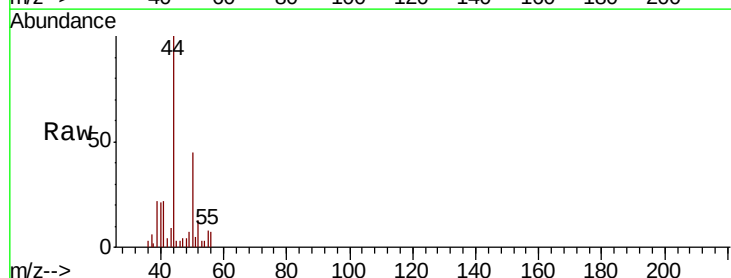
Acq: 22 Aug 2018 11:54

Tgt Ion: 50 Resp: 2988

Ion Ratio Lower Upper

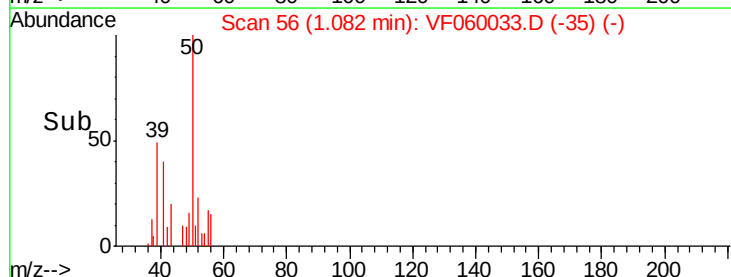
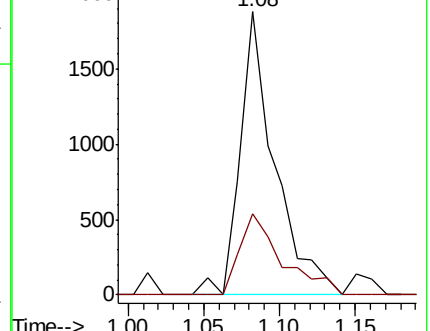
50 100

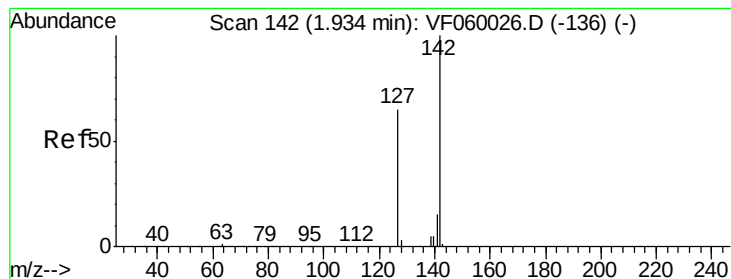
52 28.6 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#10

Methyl Iodide

Concen: 1.110 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBL01

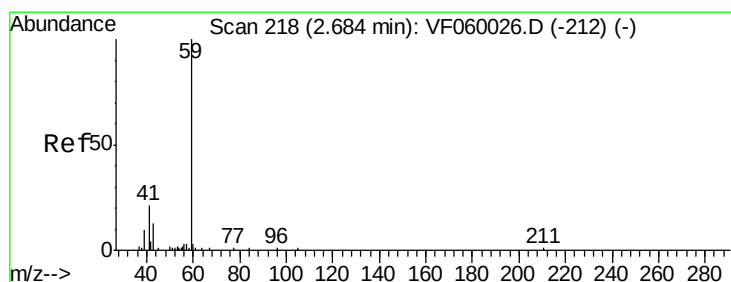
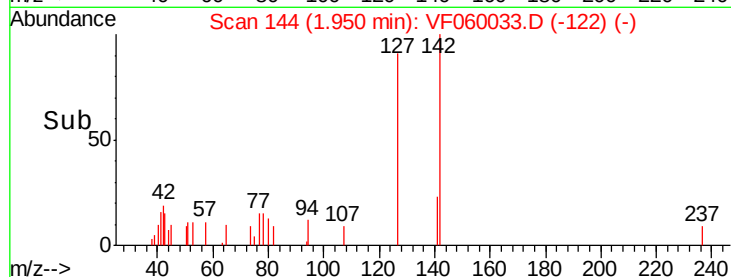
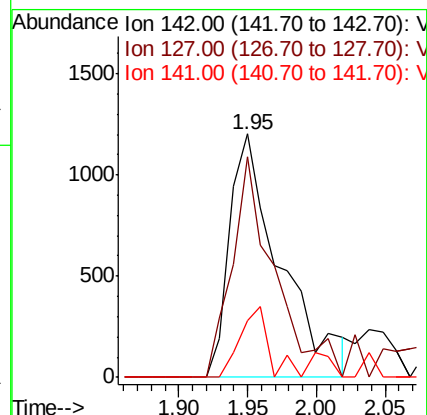
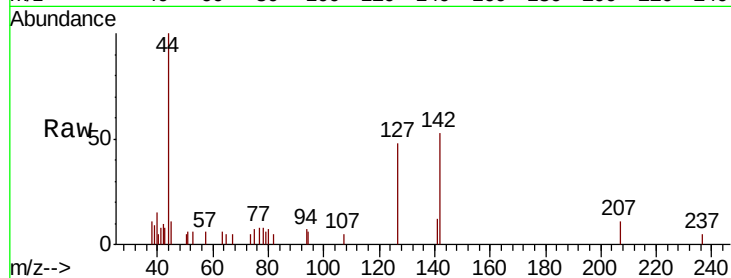
Tgt Ion:142 Resp: 3083

Ion Ratio Lower Upper

142 100

127 90.8 51.8 77.6#

141 23.4 11.9 17.9#



#11

Tert butyl alcohol

Concen: 4.913 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.00 min

Lab File: VF060033.D

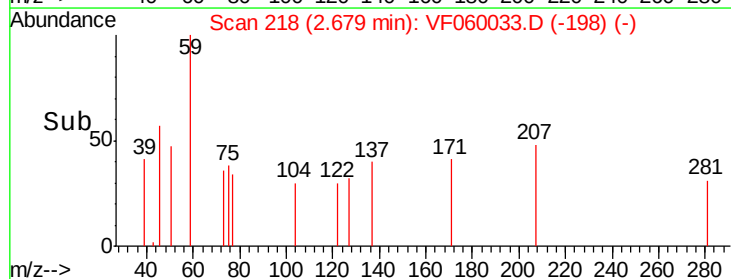
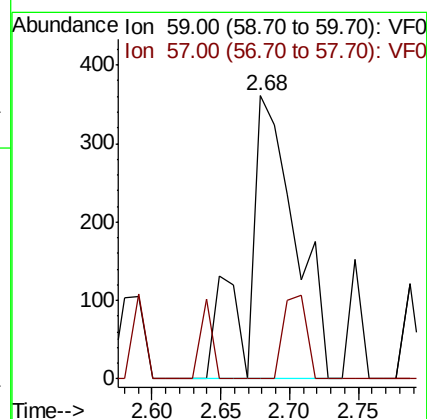
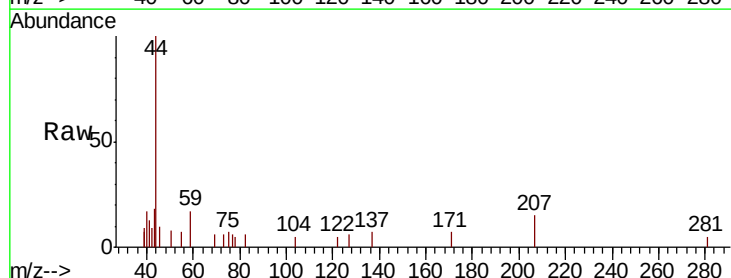
Acq: 22 Aug 2018 11:54

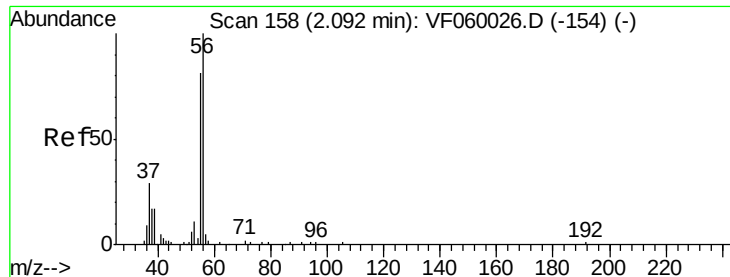
Tgt Ion: 59 Resp: 871

Ion Ratio Lower Upper

59 100

57 0.0 5.4 8.2#





#13

Acrolein

Concen: 28.446 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampleId :

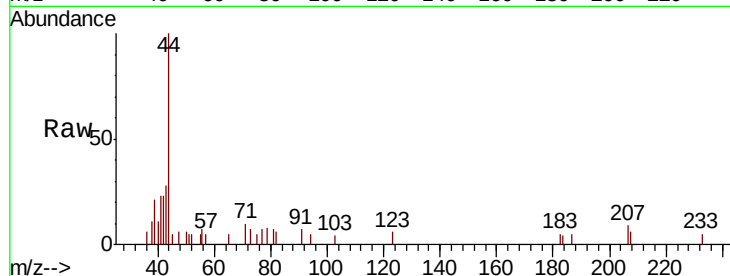
VF0822SBL01

Tgt Ion: 56 Resp: 257

Ion Ratio Lower Upper

56 100

55 78.2 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

300

200

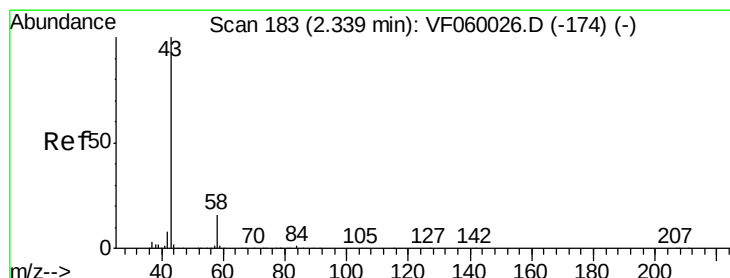
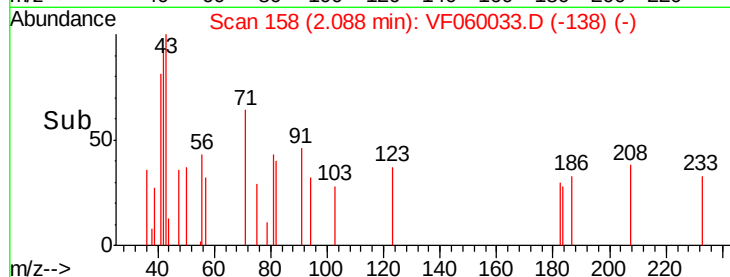
100

0

2.06 2.08 2.10 2.12

2.09

Time-->



#16

Acetone

Concen: 4.857 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060033.D

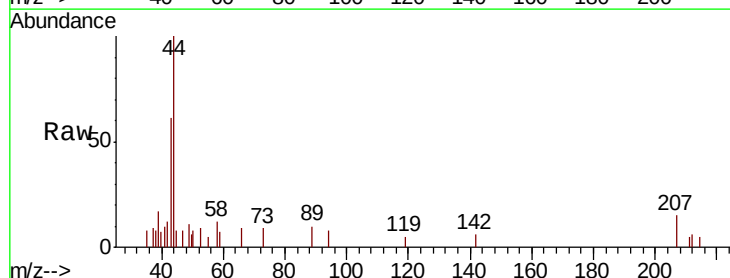
Acq: 22 Aug 2018 11:54

Tgt Ion: 43 Resp: 4254

Ion Ratio Lower Upper

43 100

58 19.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

1000

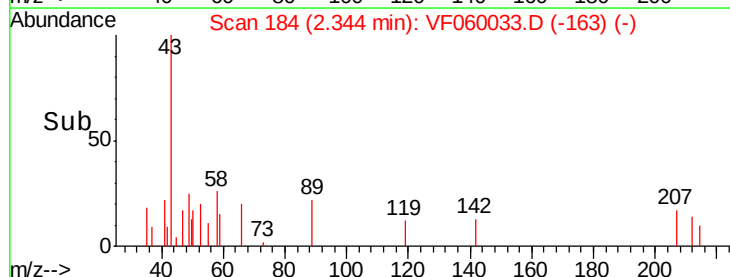
500

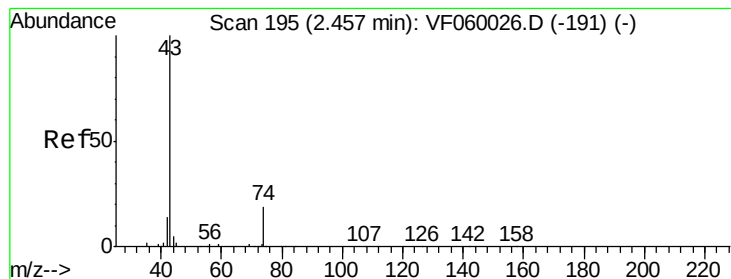
0

2.30 2.34 2.40

2.34

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 2.50 min Scan# 200

Delta R.T. 0.05 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampleId :

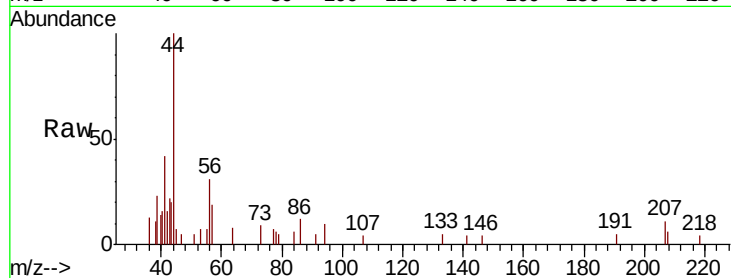
VF0822SBL01

Tgt Ion: 43 Resp: 3087

Ion Ratio Lower Upper

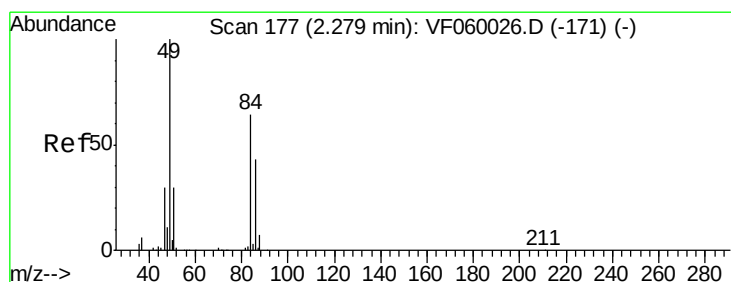
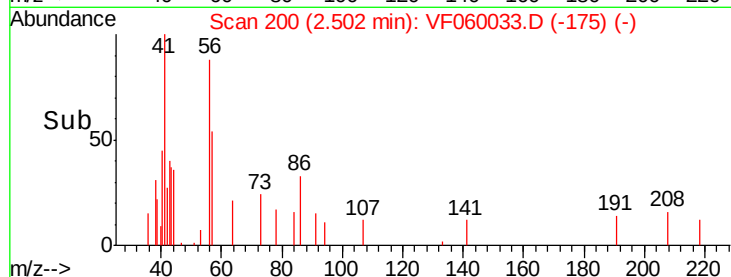
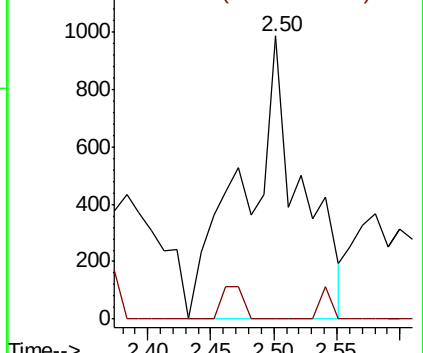
43 100

74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.29 min Scan# 179

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Tgt Ion: 84 Resp: 7181

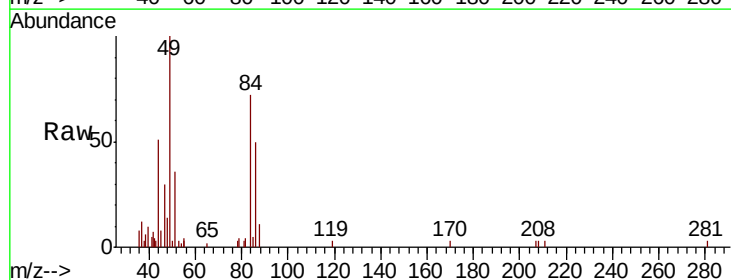
Ion Ratio Lower Upper

84 100

49 139.2 125.4 188.0

51 49.9 38.3 57.5

86 69.1 53.3 79.9

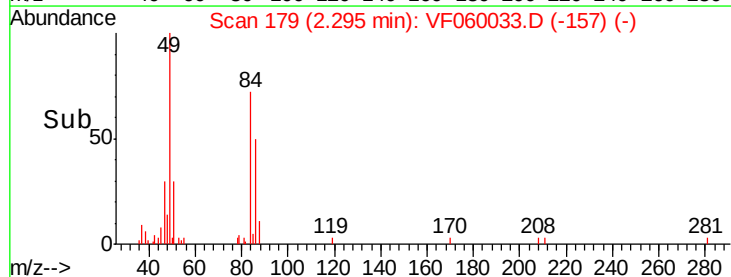
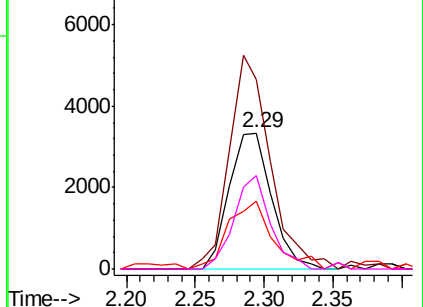


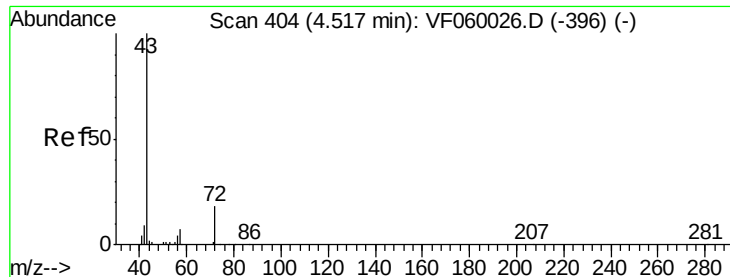
Abundance Ion 84.00 (83.70 to 84.70): VF0

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





#25

2-Butanone

Concen: 1.294 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampled :

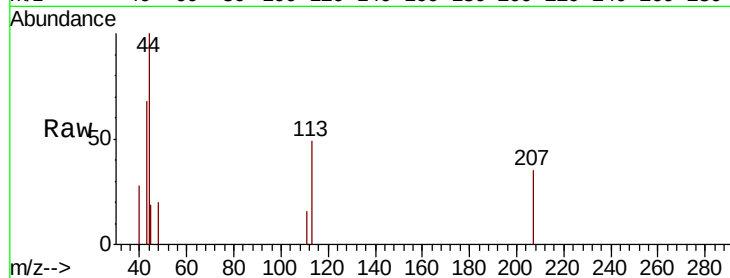
VF0822SBL01

Tgt Ion: 43 Resp: 1472

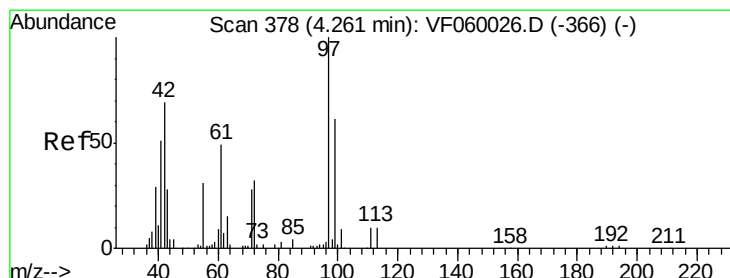
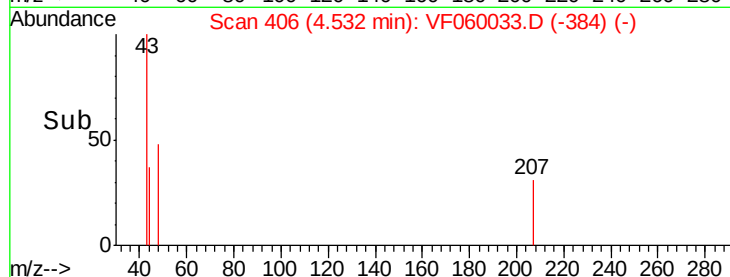
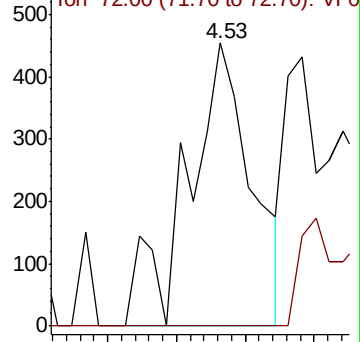
Ion Ratio Lower Upper

43 100

72 0.0 15.0 22.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#29

Tetrahydrofuran

Concen: 2.561 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

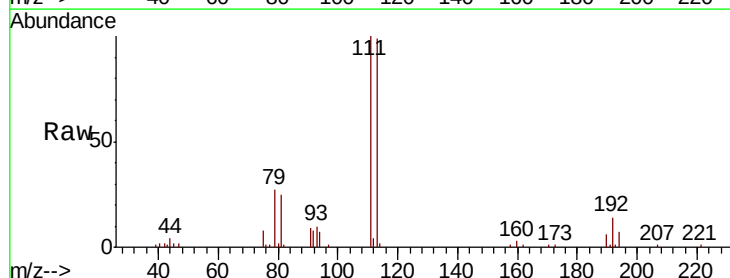
Tgt Ion: 42 Resp: 1100

Ion Ratio Lower Upper

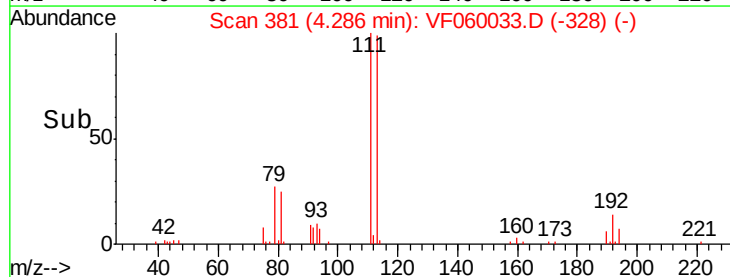
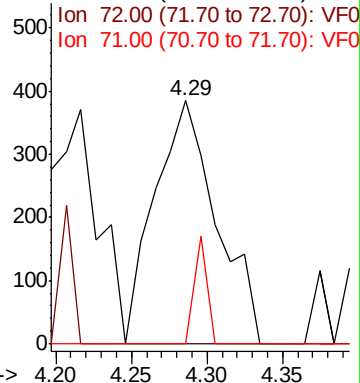
42 100

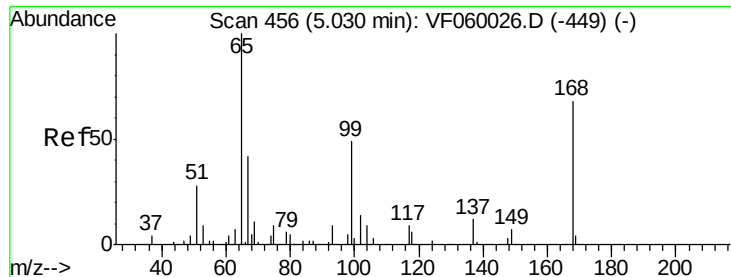
72 0.0 31.4 47.2#

71 9.2 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

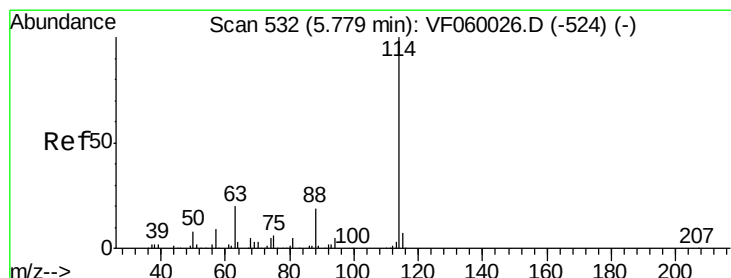
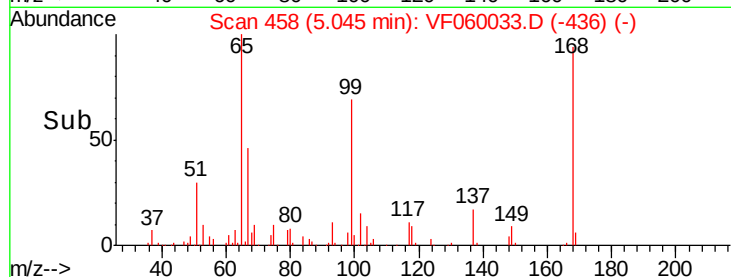
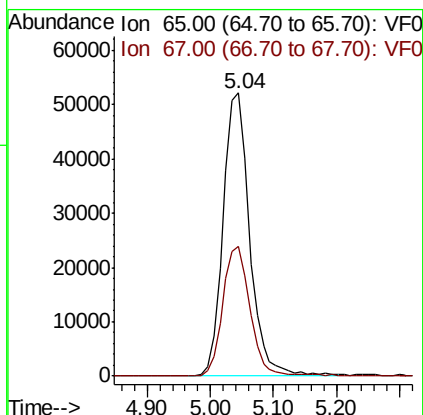
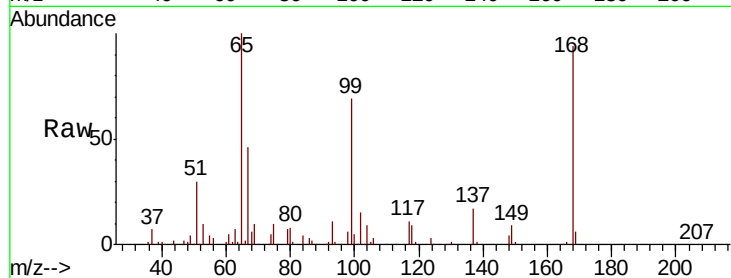




#33
 1,2-Dichloroethane-d4
 Concen: 45.985 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF060033.D
 Acq: 22 Aug 2018 11:54

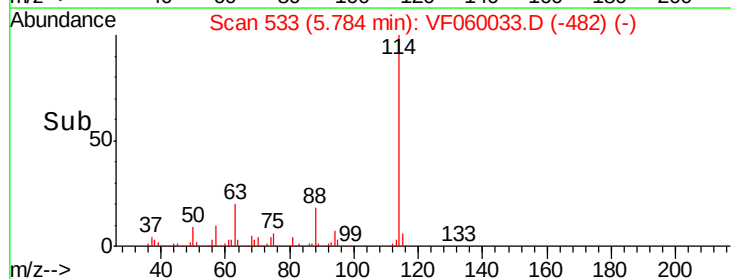
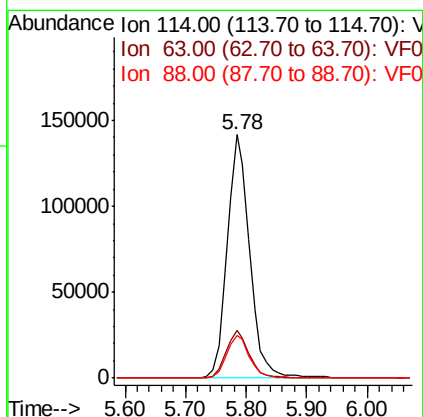
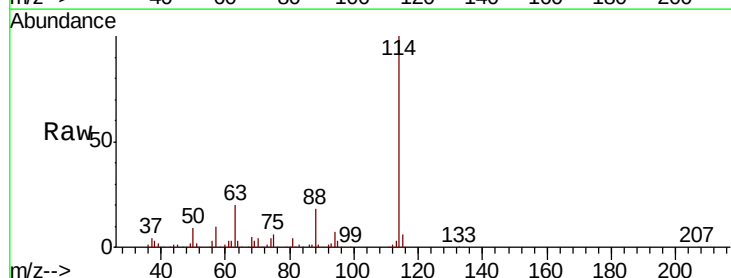
Instrument :
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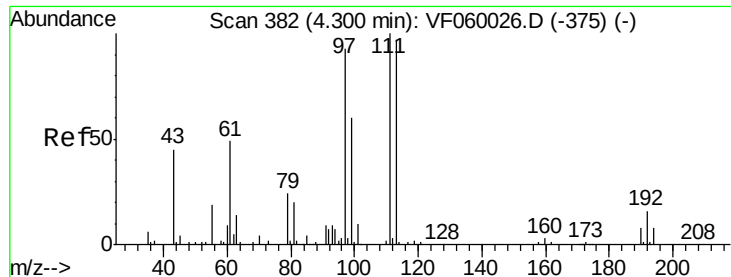
Tgt Ion: 65 Resp: 153251
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF060033.D
 Acq: 22 Aug 2018 11:54

Tgt Ion: 114 Resp: 365058
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.4
 88 17.7 0.0 38.6

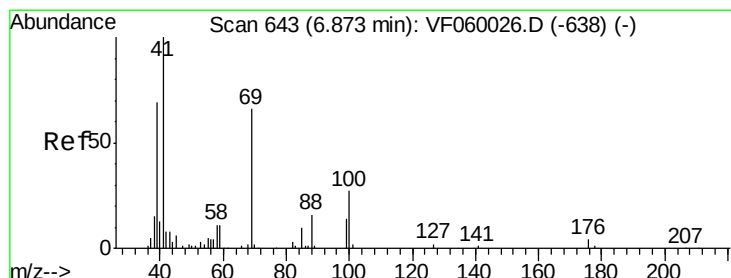
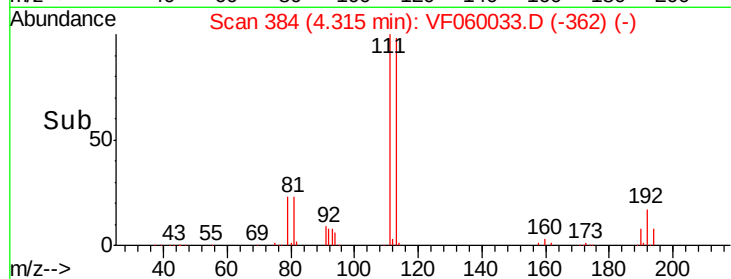
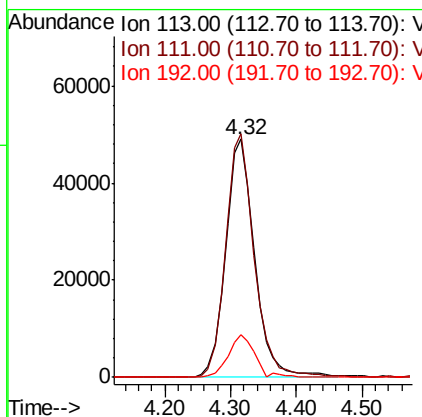
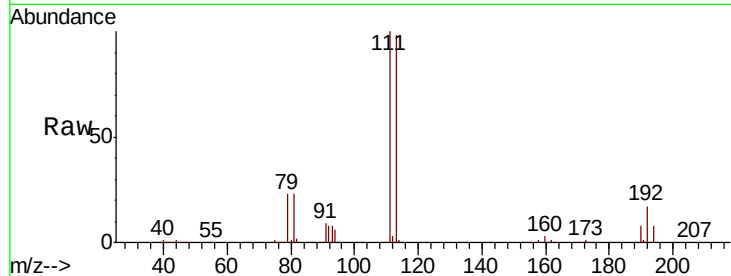




#35
 Dibromofluoromethane
 Concen: 52.685 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF060033.D
 Acq: 22 Aug 2018 11:54

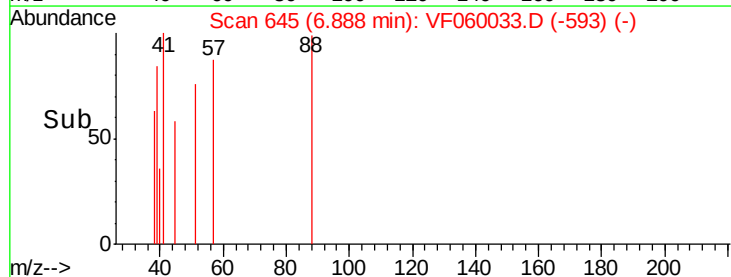
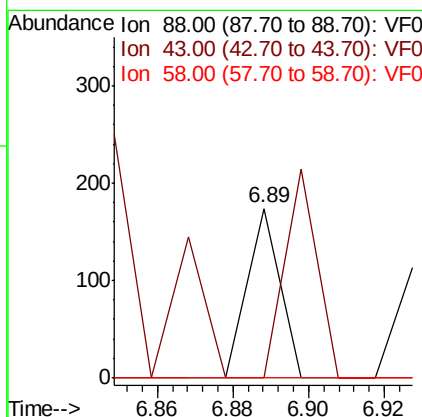
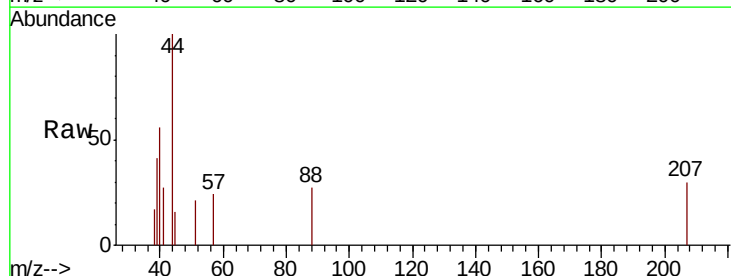
Instrument :
 MSVOA_F
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 VF0822SBL01

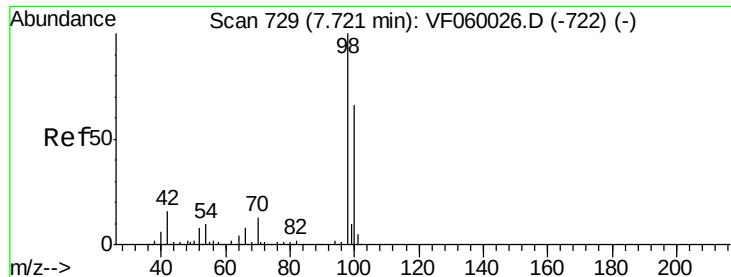
Tgt Ion: 113 Resp: 151028
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 18.1 13.0 19.4



#49
 1,4-Dioxane
 Concen: 6.279 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.02 min
 Lab File: VF060033.D
 Acq: 22 Aug 2018 11:54

Tgt Ion: 88 Resp: 103
 Ion Ratio Lower Upper
 88 100
 43 0.0 46.5 69.7#
 58 0.0 54.8 82.2#

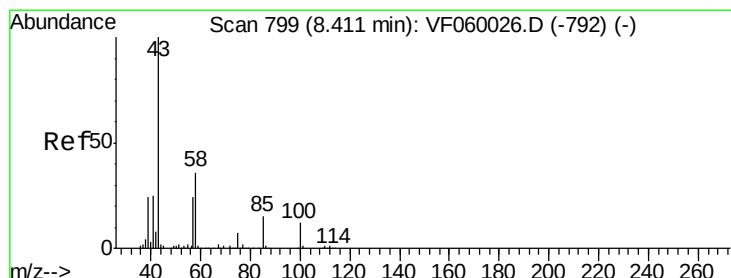
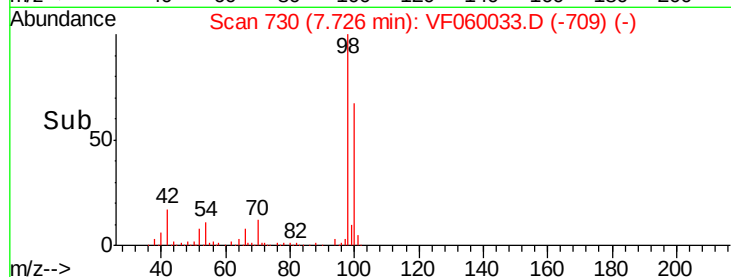
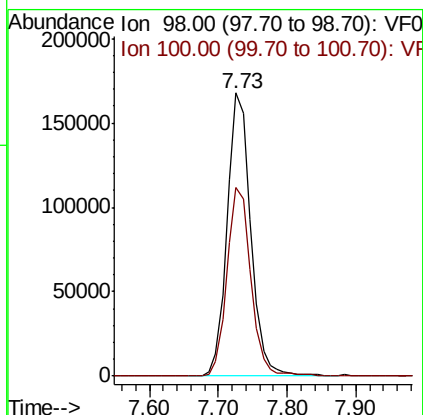
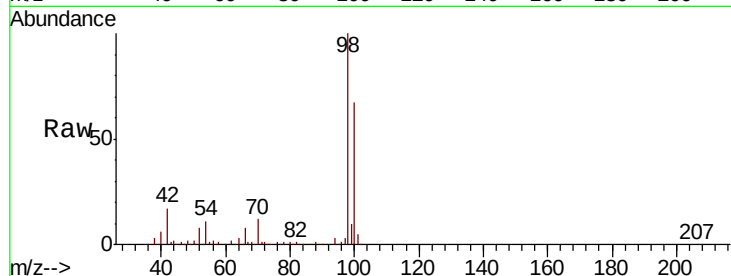




#50
Toluene-d8
Concen: 48.959 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF060033.D
Acq: 22 Aug 2018 11:54

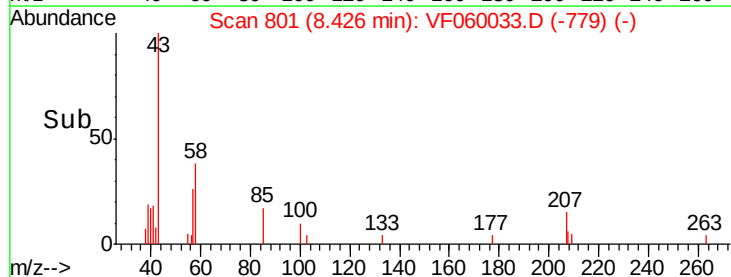
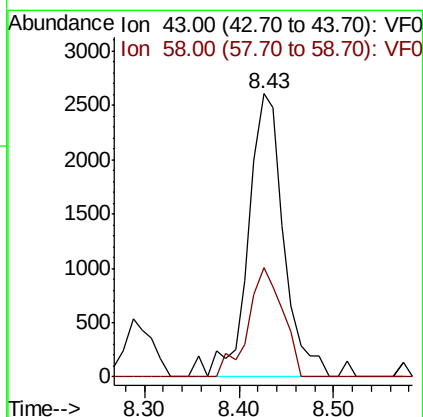
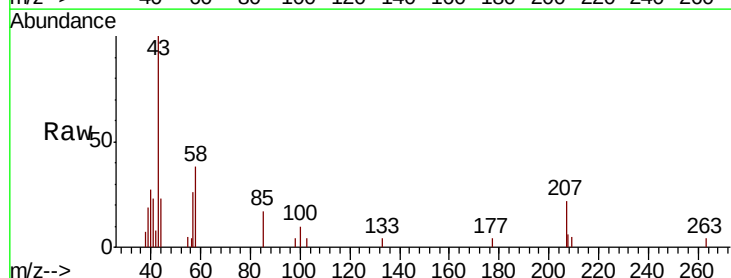
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBL01

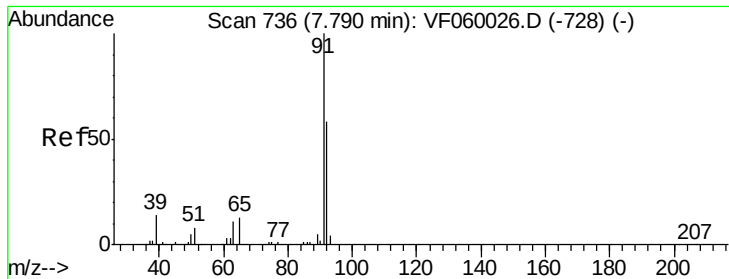
Tgt Ion: 98 Resp: 398583
Ion Ratio Lower Upper
98 100
100 66.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 3.065 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.02 min
Lab File: VF060033.D
Acq: 22 Aug 2018 11:54

Tgt Ion: 43 Resp: 6834
Ion Ratio Lower Upper
43 100
58 38.5 28.6 42.8





#52

Toluene

Concen: Below Cal

RT: 7.80 min Scan# 738

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampleId :

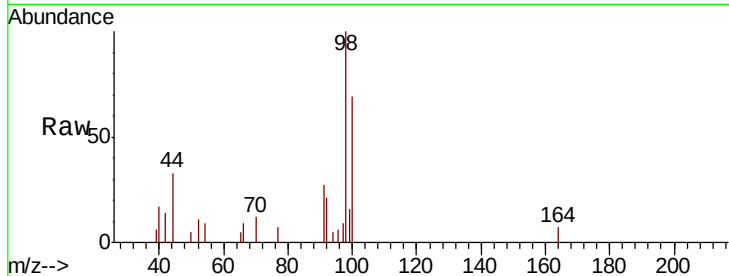
VF0822SBL01

Tgt Ion: 92 Resp: 963

Ion Ratio Lower Upper

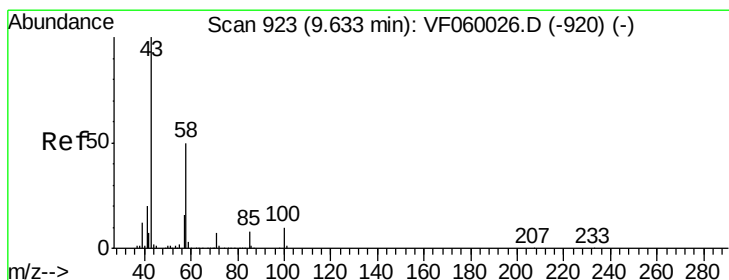
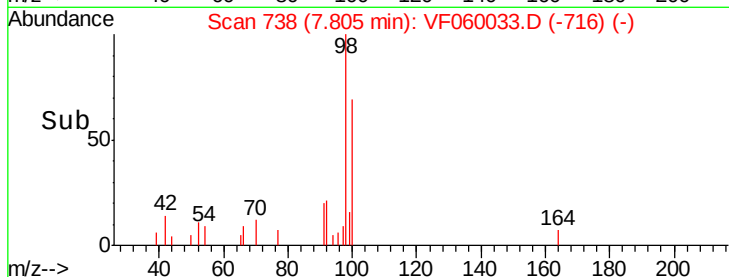
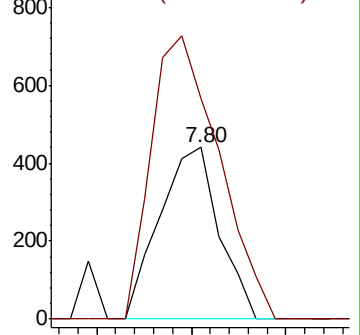
92 100

91 128.6 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: 6.515 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.02 min

Lab File: VF060033.D

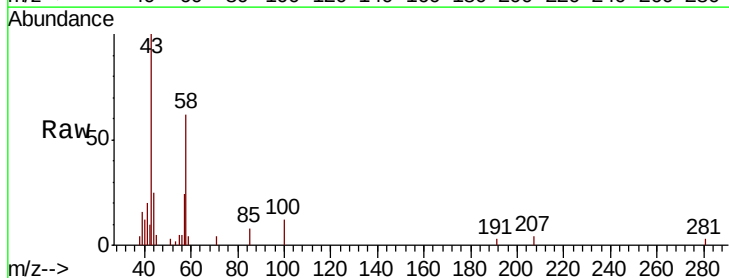
Acq: 22 Aug 2018 11:54

Tgt Ion: 43 Resp: 11758

Ion Ratio Lower Upper

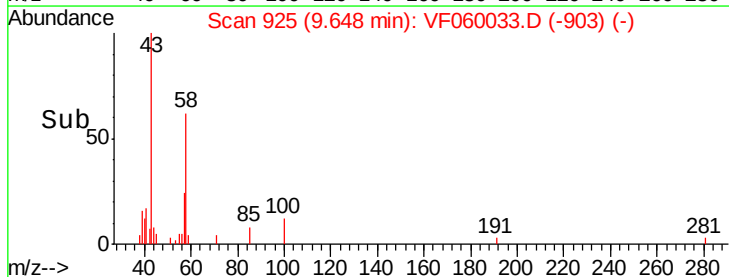
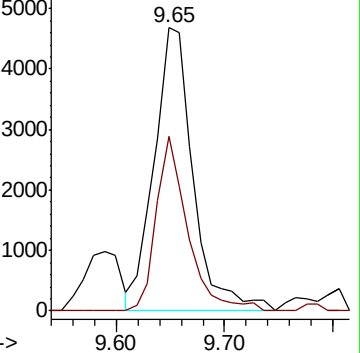
43 100

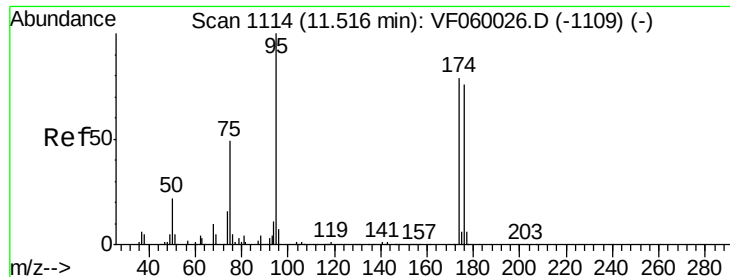
58 61.8 23.4 70.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

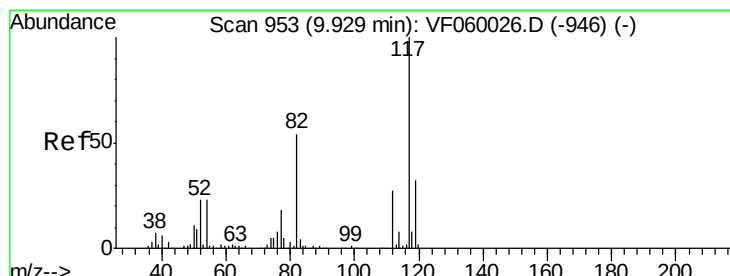
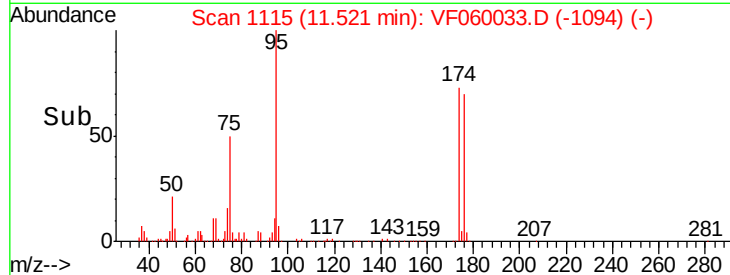
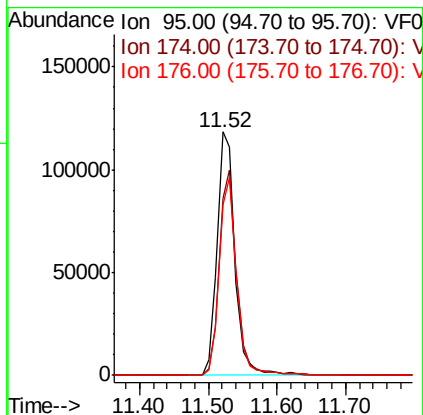
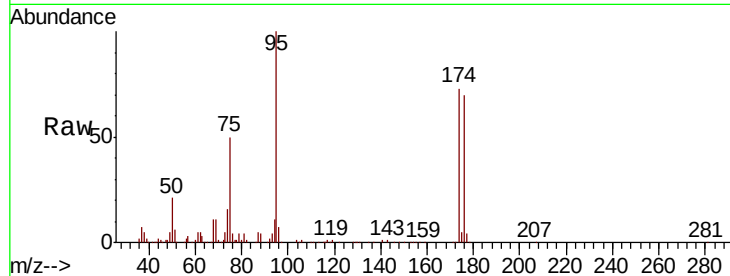




#62
 4-Bromofluorobenzene
 Concen: 49.380 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VF060033.D
 Acq: 22 Aug 2018 11:54

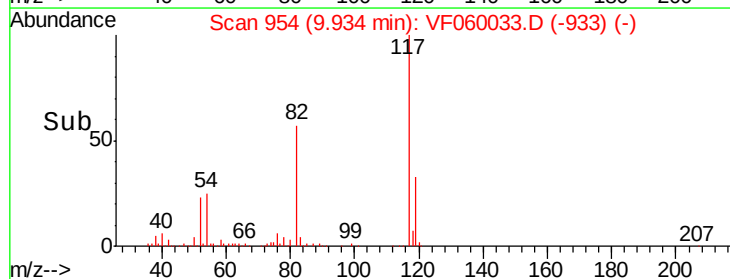
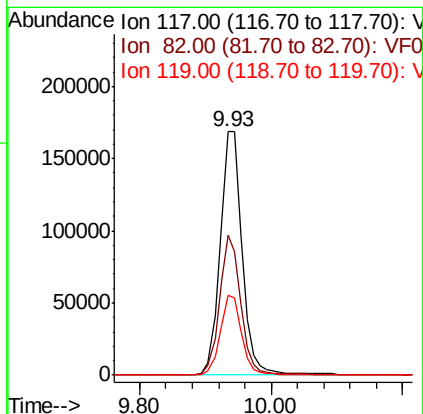
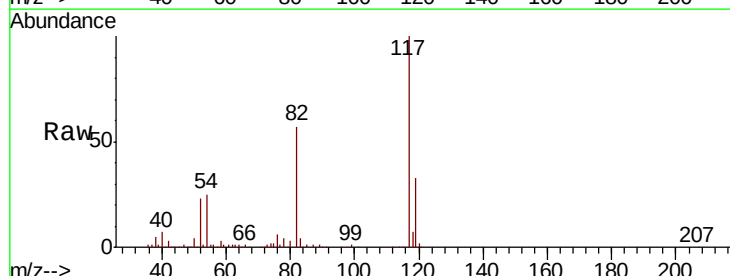
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBL01

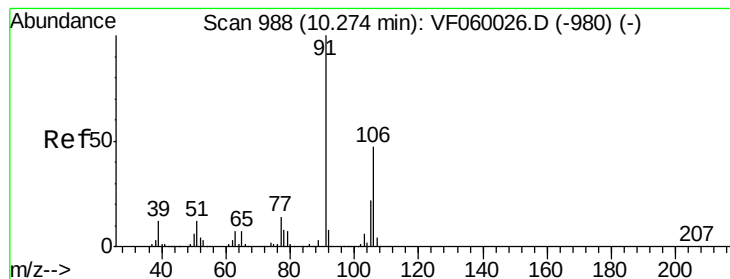
Tgt Ion: 95 Resp: 212666
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 158.4
 176 70.2 0.0 153.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.93 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: VF060033.D
 Acq: 22 Aug 2018 11:54

Tgt Ion: 117 Resp: 395867
 Ion Ratio Lower Upper
 117 100
 82 57.4 43.6 65.4
 119 32.6 25.6 38.4





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

Instrument :

MSVOA_F

ClientSampleId :

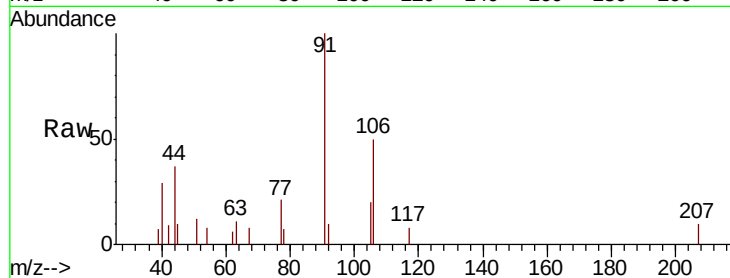
VF0822SBL01

Tgt Ion:106 Resp: 1687

Ion Ratio Lower Upper

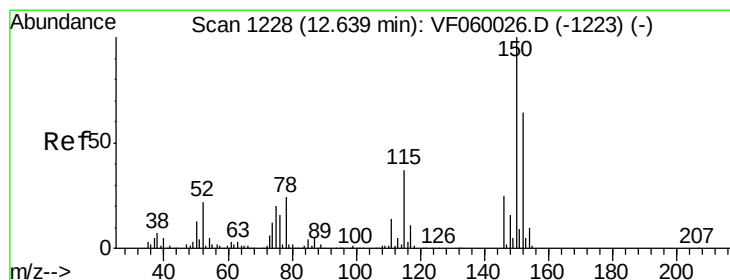
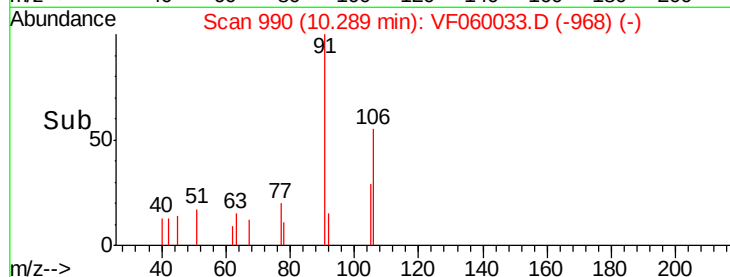
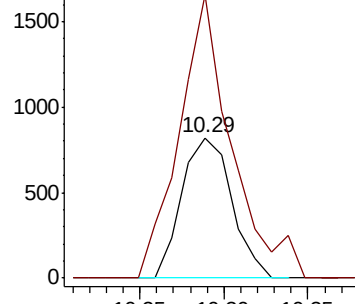
106 100

91 201.8 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060033.D

Acq: 22 Aug 2018 11:54

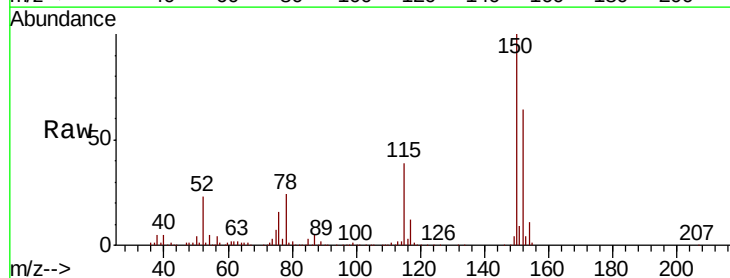
Tgt Ion:152 Resp: 236737

Ion Ratio Lower Upper

152 100

115 60.4 28.6 85.9

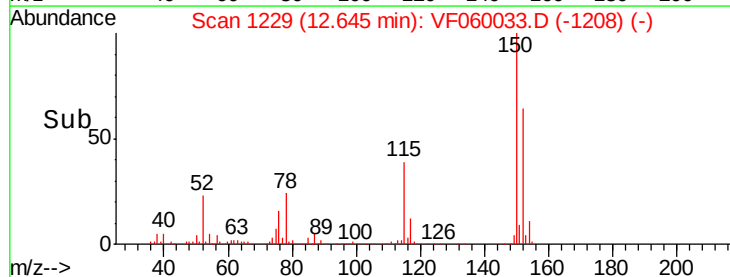
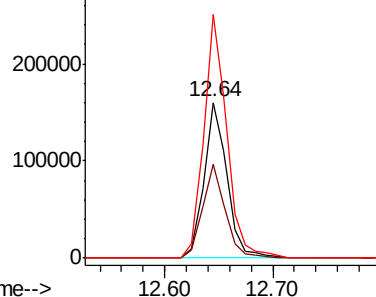
150 156.4 0.0 312.0

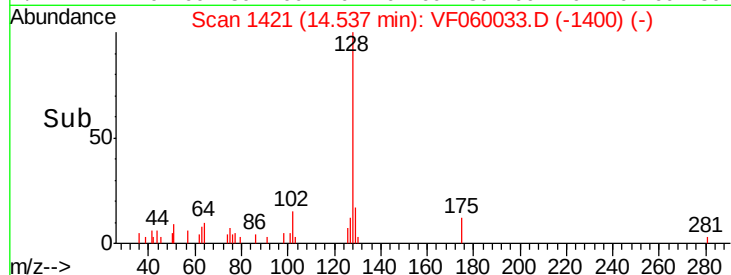
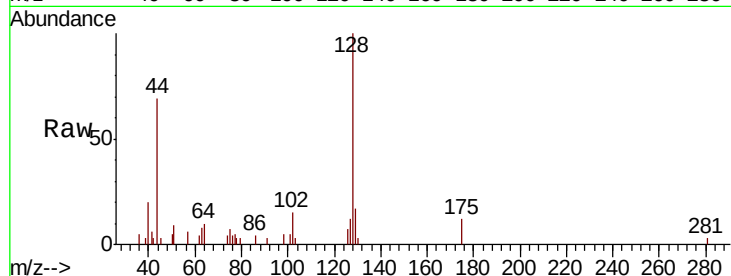
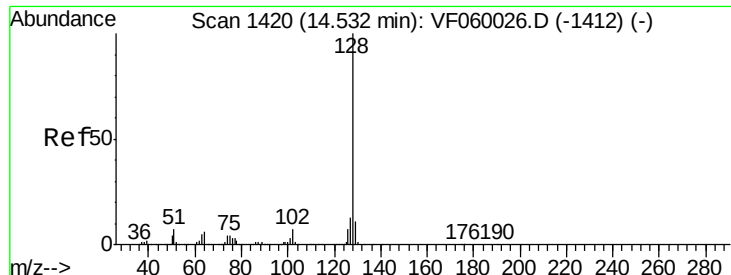


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95
Naphthalene
Concen: 3.050 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF060033.D
Acq: 22 Aug 2018 11:54

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBL01

Tgt Ion:128 Resp: 7048
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 17.1 8.5 12.7#

