

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
 Data File : VF060746.D
 Acq On : 15 Nov 2018 14:55
 Operator : VA/AP
 Sample : J5932-01RE
 Misc : 7.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 16 04:36:21 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

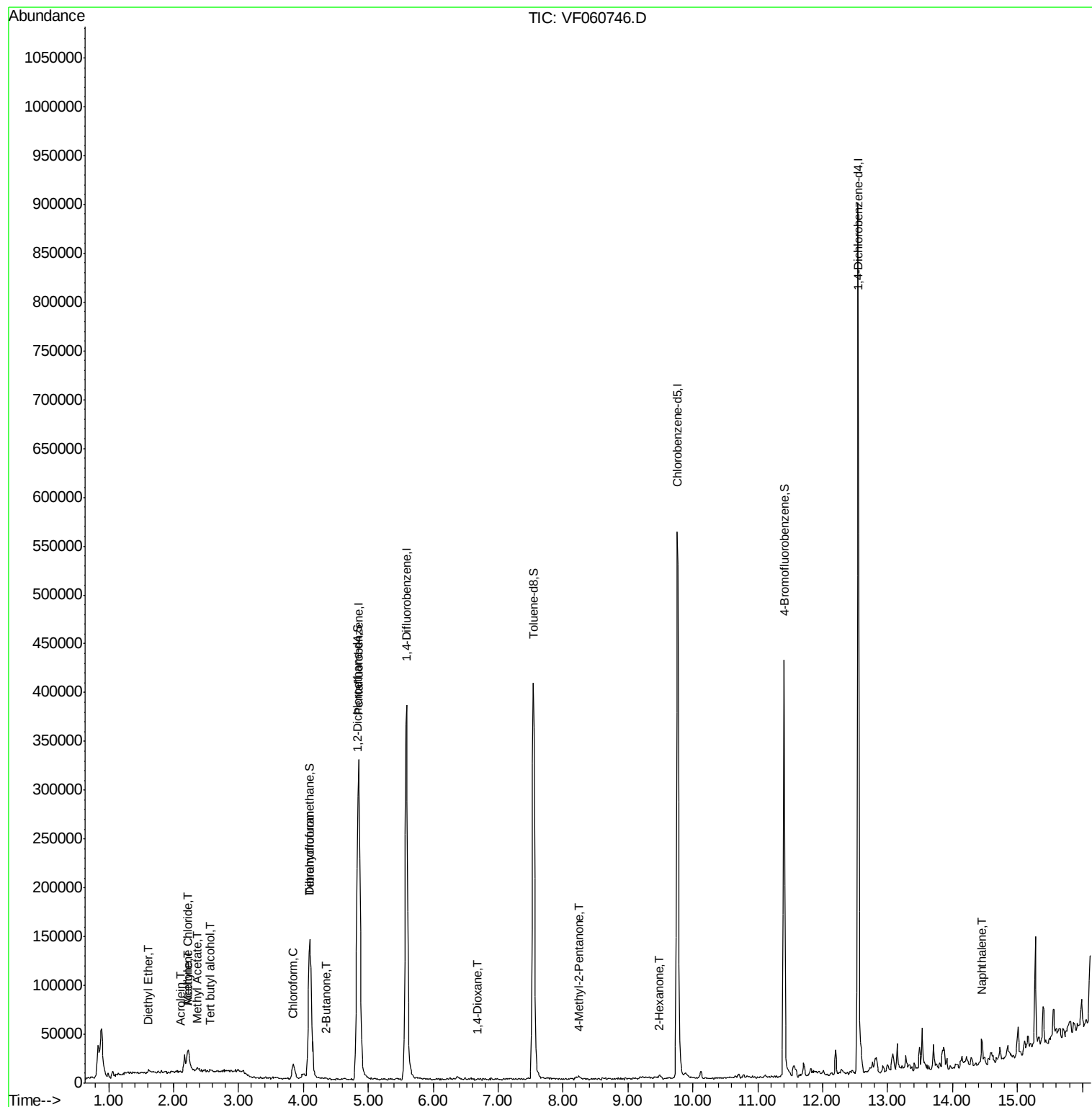
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	257135	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	437747	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	416019	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	220329	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	115832	39.49	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.98%	
35) Dibromofluoromethane	4.10	113	148322	45.08	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.16%	
50) Toluene-d8	7.54	98	344211	40.03	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	80.06%	
62) 4-Bromofluorobenzene	11.40	95	178930	45.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.18%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	1650	2.281	ug/l	92
11) Tert butyl alcohol	2.55	59	545	4.083	ug/l #	1
13) Acrolein	2.12	56	262	2.147	ug/l	86
16) Acetone	2.23	43	11182	17.837	ug/l	99
18) Methyl Acetate	2.37	43	1763	1.713	ug/l #	64
20) Methylene Chloride	2.23	84	8739	1.414	ug/l	96
25) 2-Butanone	4.34	43	1845	1.789	ug/l #	56
29) Tetrahydrofuran	4.09	42	1540	3.621	ug/l #	36
30) Chloroform	3.84	83	17606	2.555	ug/l	95
41) Methacrylonitrile	4.76	41	288	Below Cal	#	66
49) 1,4-Dioxane	6.69	88	65	4.196	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	2860	1.580	ug/l	91
59) 2-Hexanone	9.50	43	5590	4.395	ug/l	76
95) Naphthalene	14.45	128	16045	1.769	ug/l	98

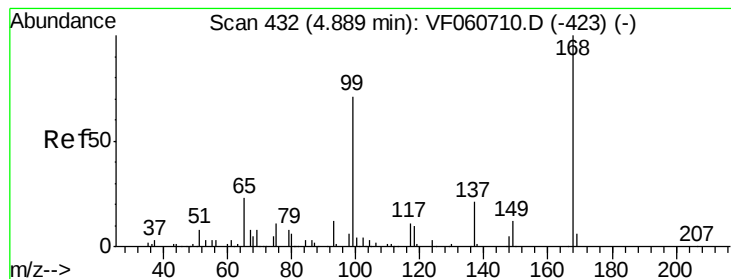
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111518\
Data File : VF060746.D
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Quant Time: Nov 16 04:36:21 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: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

Instrument :

MSVOA_F

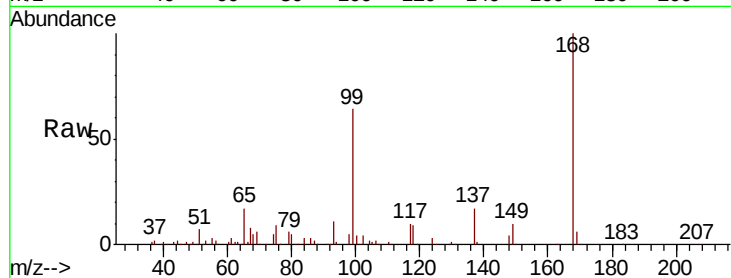
ClientSampled :

Tot Ion:168 Resp: 257135

Ion Ratio Lower Upper

168 100

99 63.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

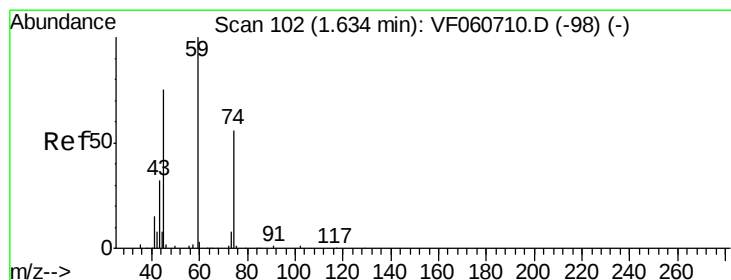
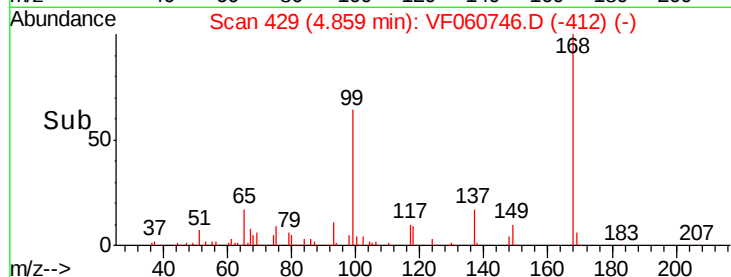
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#8

Diethyl Ether

Concen: 2.281 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060746.D

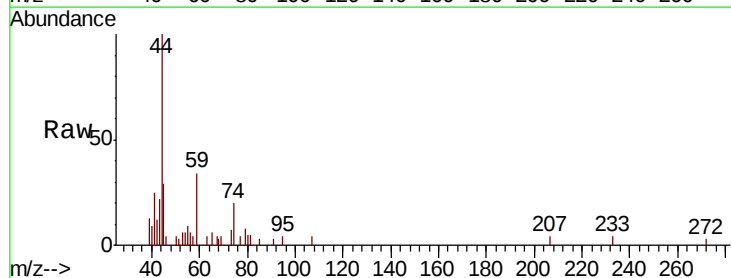
Acq: 15 Nov 2018 14:55

Tgt Ion: 74 Resp: 1650

Ion Ratio Lower Upper

74 100

45 144.8 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1200

1000

800

600

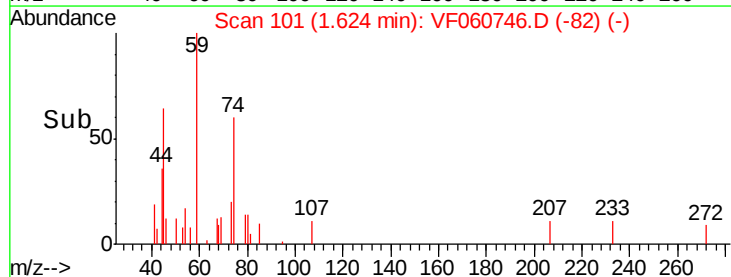
400

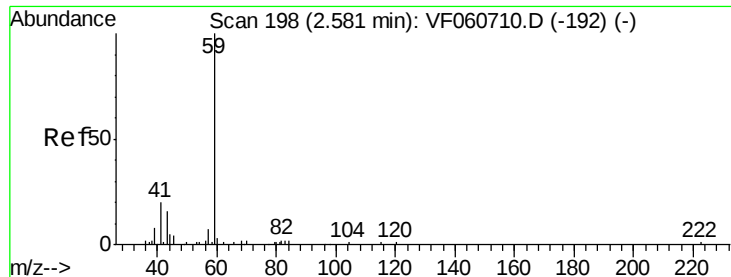
200

0

1.55 1.60 1.65 1.70

Time-->



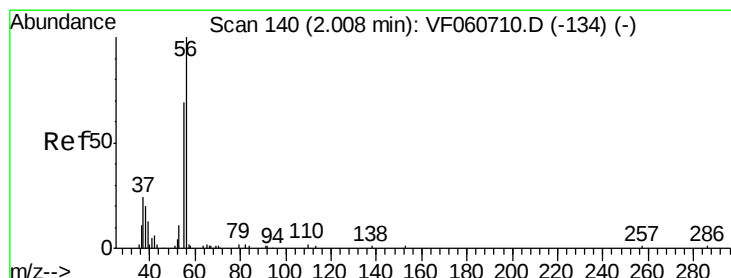
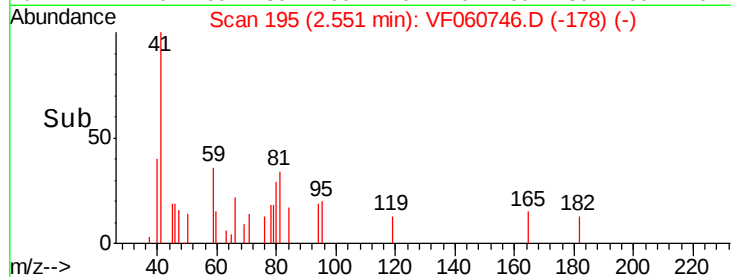
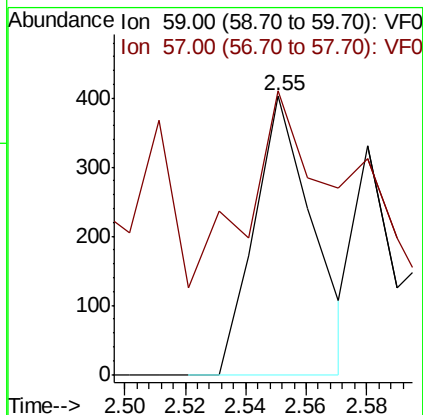
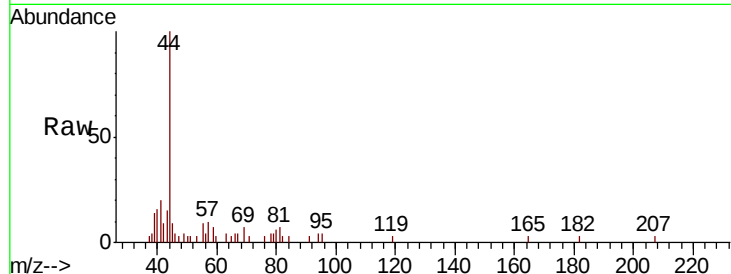


#11

Tert butyl alcohol
Concen: 4.083 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

Instrument :
MSVOA_F
ClientSampled :

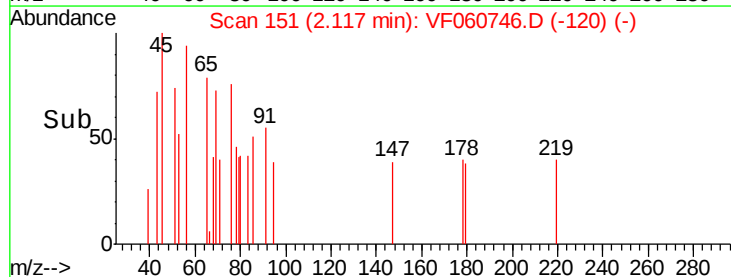
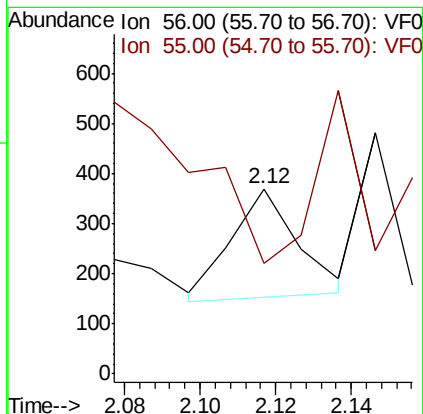
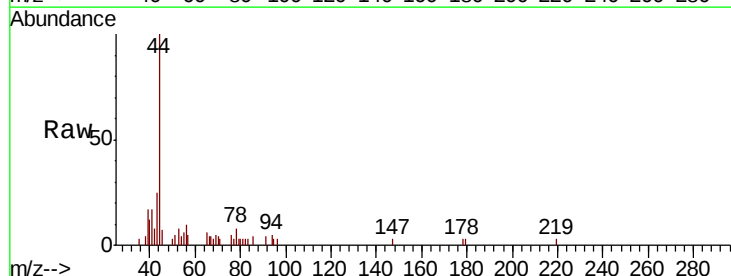
Tot Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 101.5 10.5 15.7#

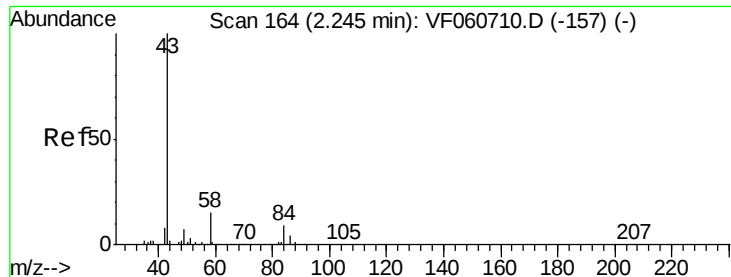


#13

Acrolein
Concen: 2.147 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.11 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

Tgt Ion: 56 Resp: 262
Ion Ratio Lower Upper
56 100
55 59.6 56.6 85.0

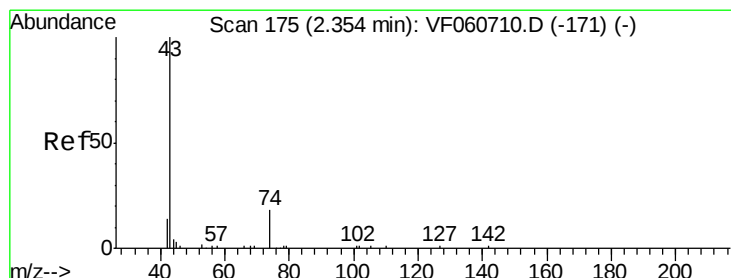
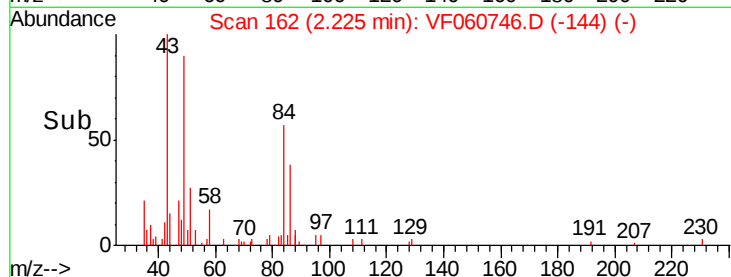
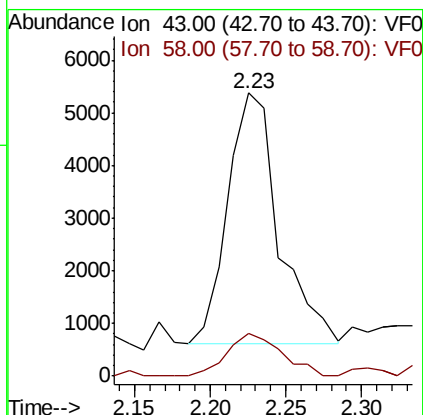
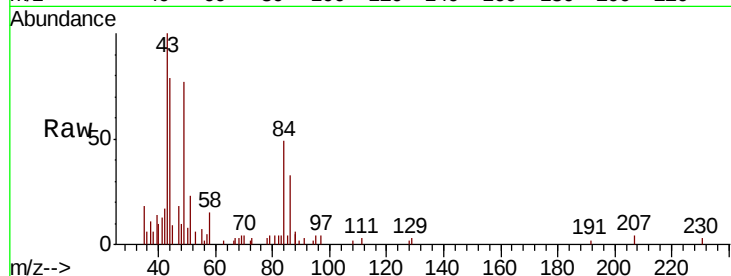




#16
Acetone
Concen: 17.837 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

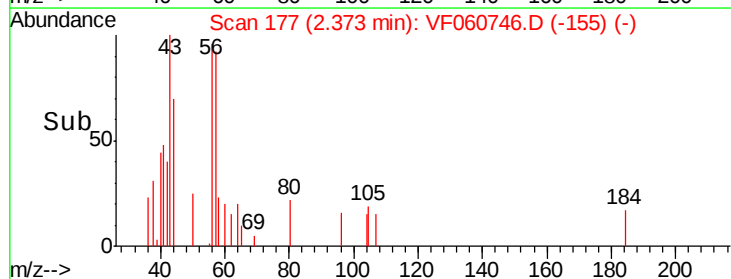
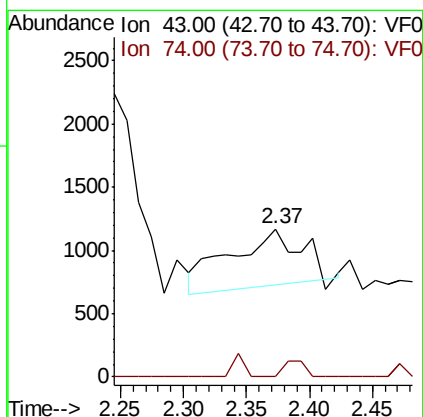
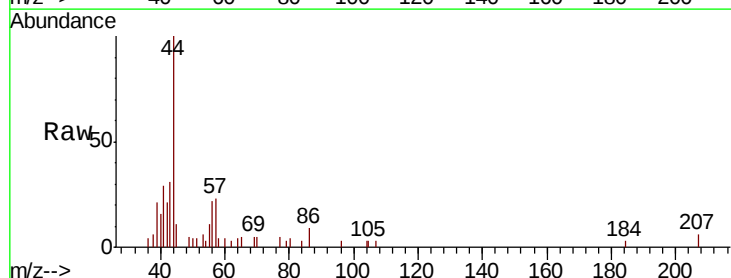
Instrument :
MSVOA_F
ClientSampled :

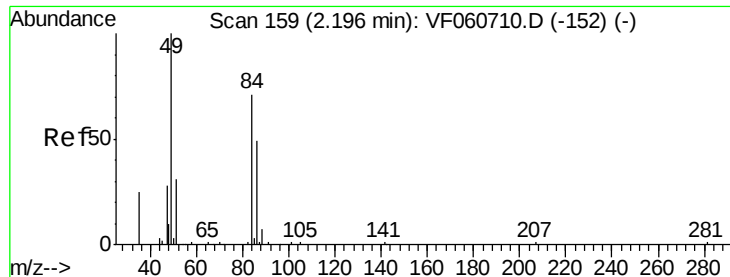
Tot Ion: 43 Resp: 11182
Ion Ratio Lower Upper
43 100
58 15.0 11.6 17.4



#18
Methyl Acetate
Concen: 1.713 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

Tgt Ion: 43 Resp: 1763
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#

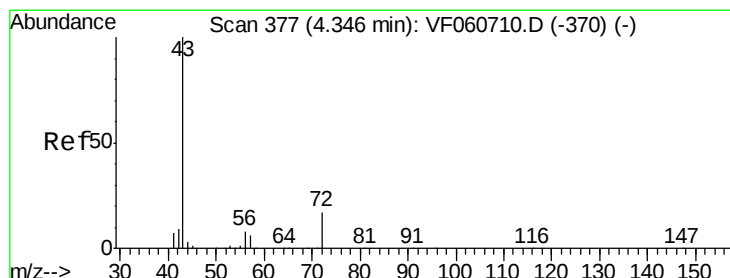
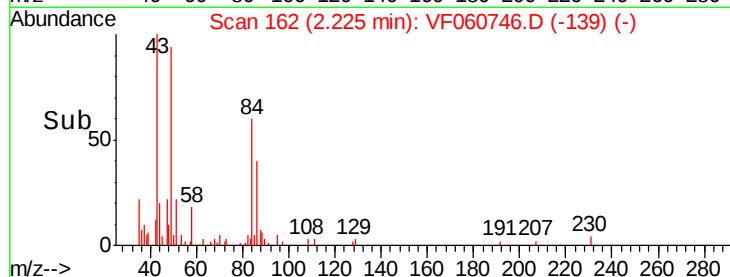
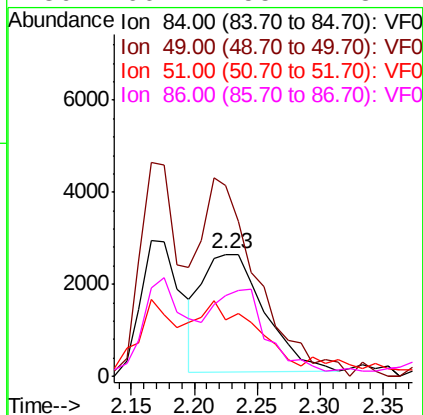
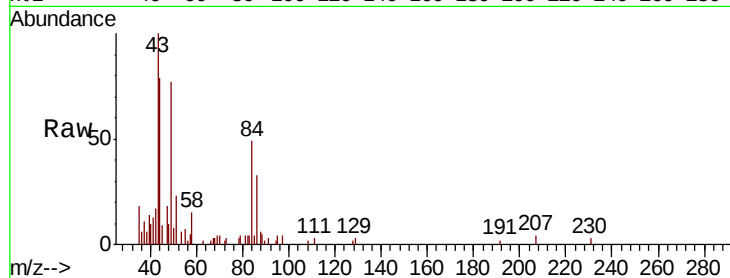




#20
Methvlene Chloride
Concen: 1.414 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.03 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

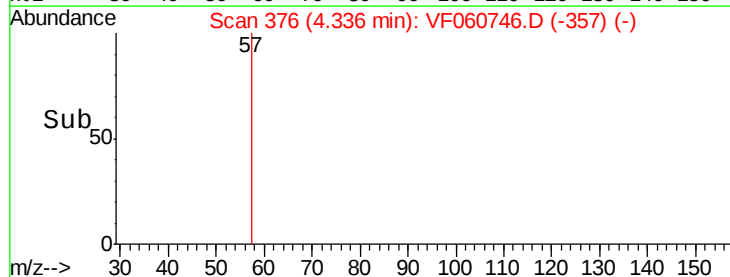
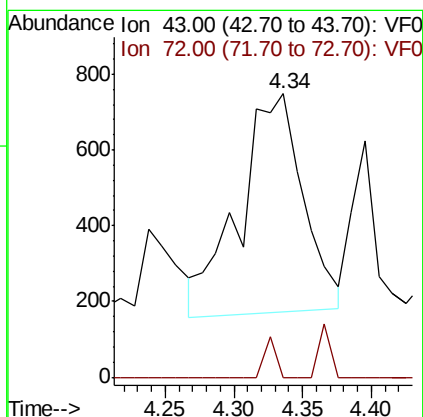
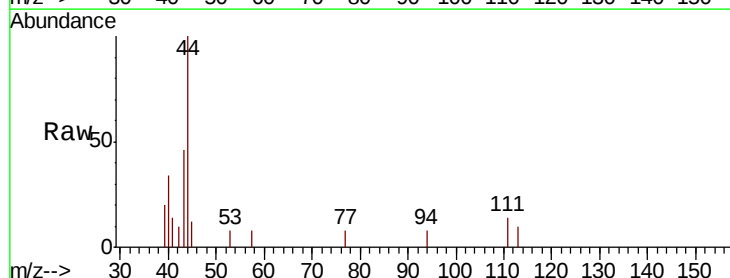
Instrument :
MSVOA_F
ClientSampled :

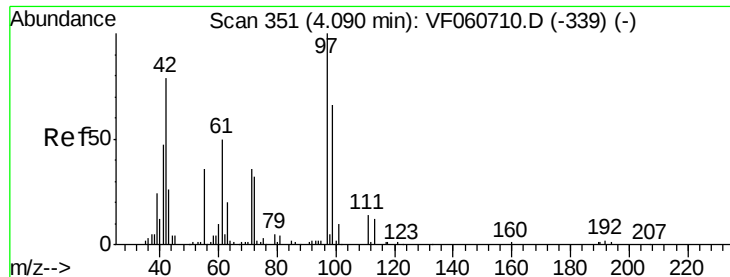
Tot Ion: 84 Resp: 8739
Ion Ratio Lower Upper
84 100
49 156.9 120.2 180.4
51 46.6 37.2 55.8
86 66.4 55.1 82.7



#25
2-Butanone
Concen: 1.789 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#





#29

Tetrahydrofuran

Concen: 3.621 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

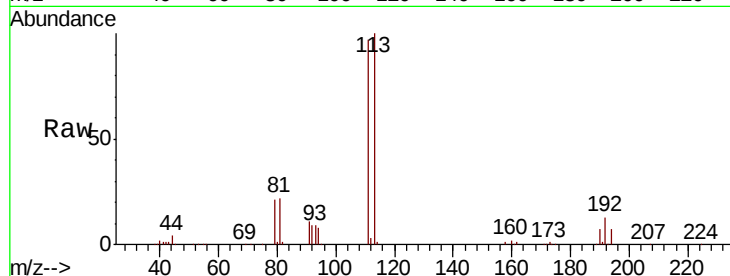
Tot Ion: 42 Resp: 1540

Ion Ratio Lower Upper

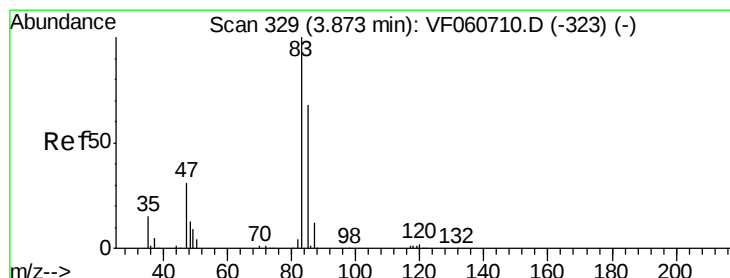
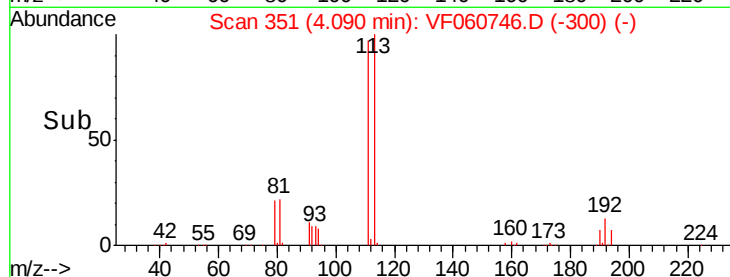
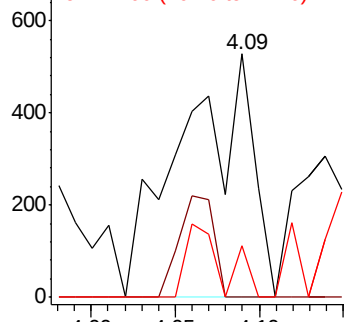
42 100

72 0.0 30.3 45.5#

71 0.0 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



#30

Chloroform

Concen: 2.555 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF060746.D

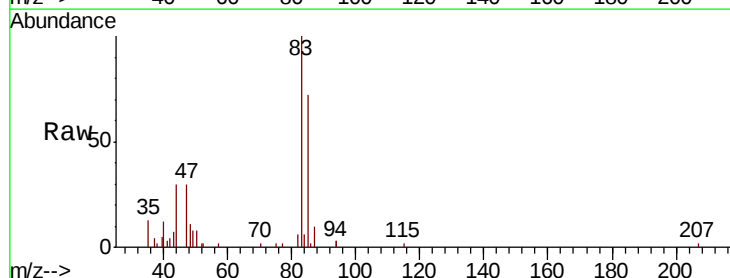
Acq: 15 Nov 2018 14:55

Tgt Ion: 83 Resp: 17606

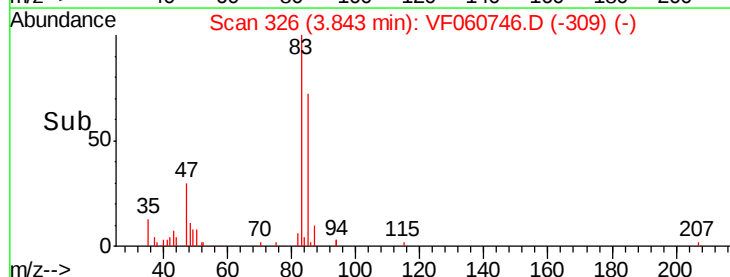
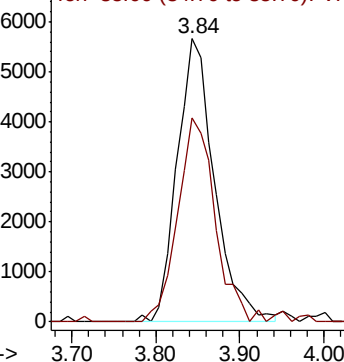
Ion Ratio Lower Upper

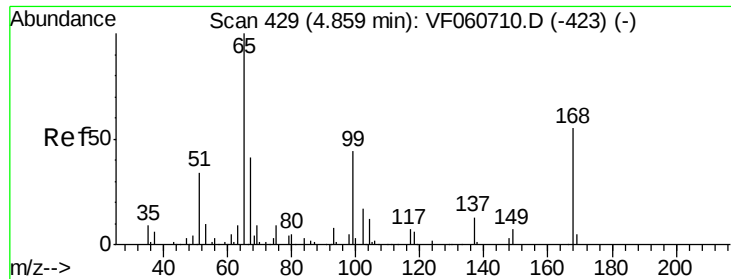
83 100

85 72.2 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

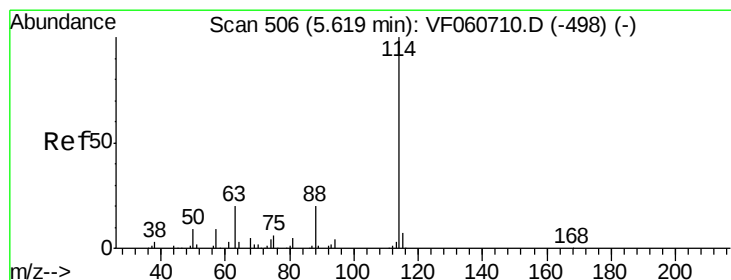
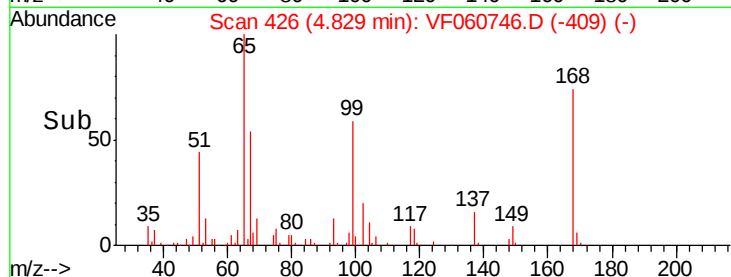
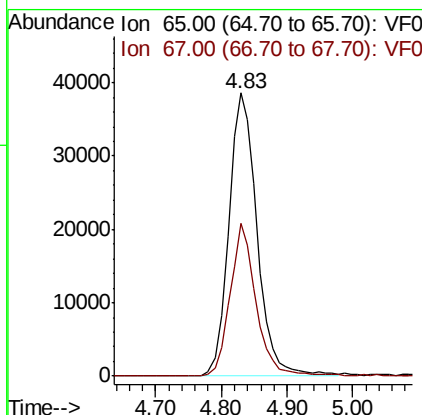
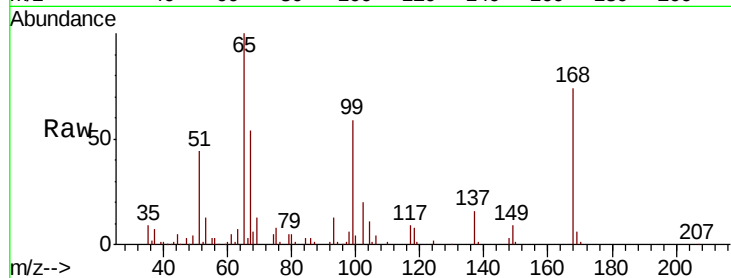




#33
 1,2-Dichloroethane-d4
 Concen: 39.494 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF060746.D
 Acq: 15 Nov 2018 14:55

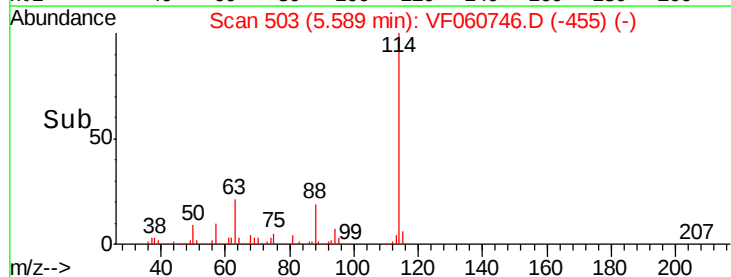
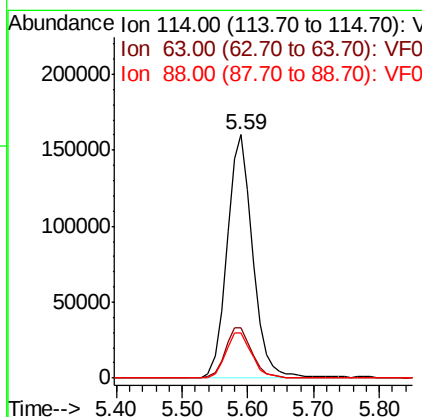
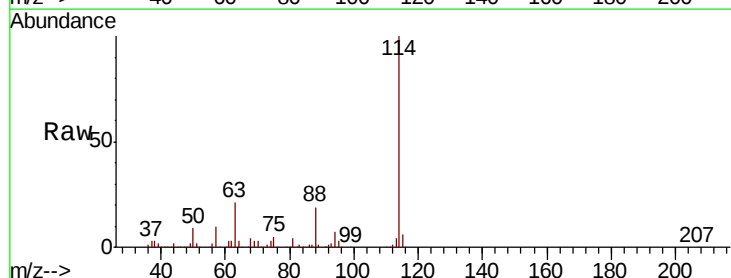
Instrument :
 MSVOA_F
 ClientSampled :

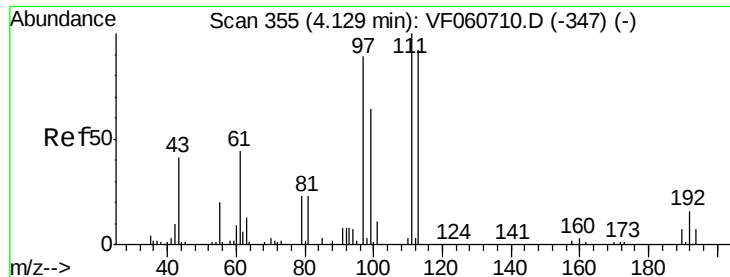
Tot Ion: 65 Resp: 115832
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.03 min
 Lab File: VF060746.D
 Acq: 15 Nov 2018 14:55

Tgt Ion: 114 Resp: 437747
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 18.6 0.0 39.6

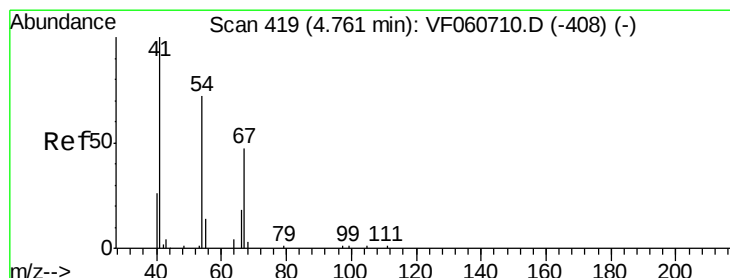
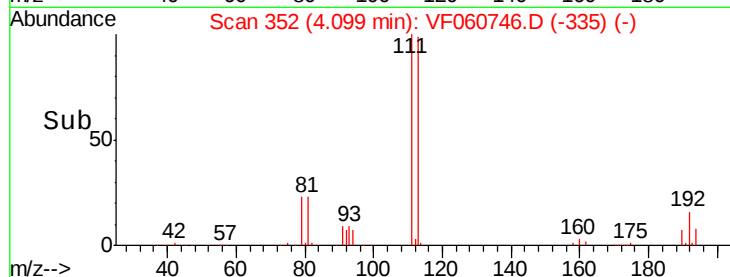
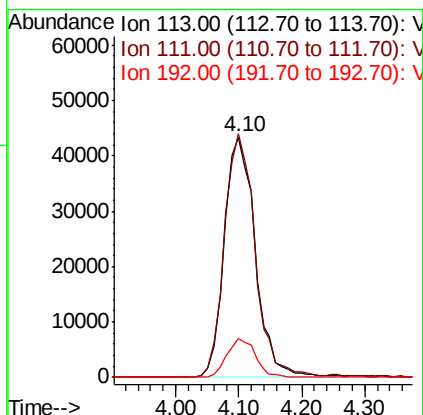
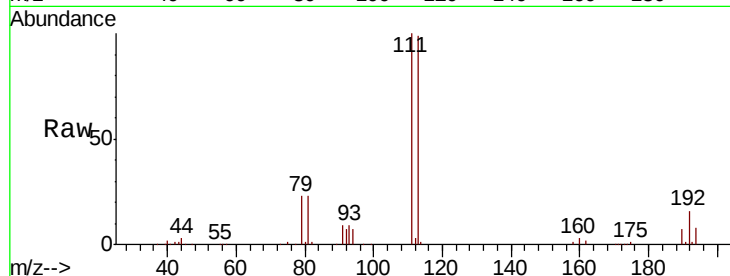




#35
Dibromofluoromethane
Concen: 45.076 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.03 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

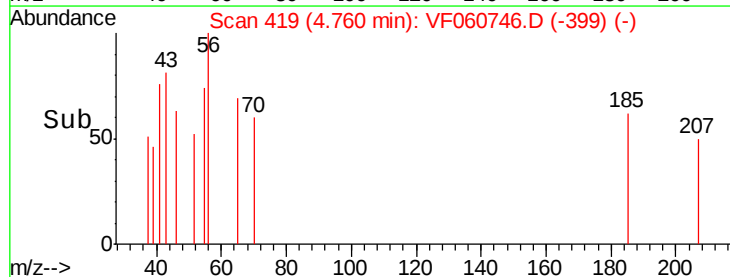
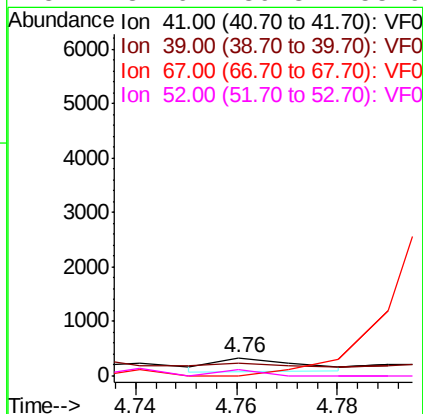
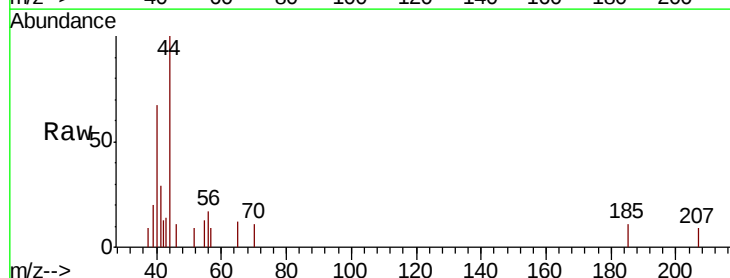
Instrument :
MSVOA_F
ClientSampleId :

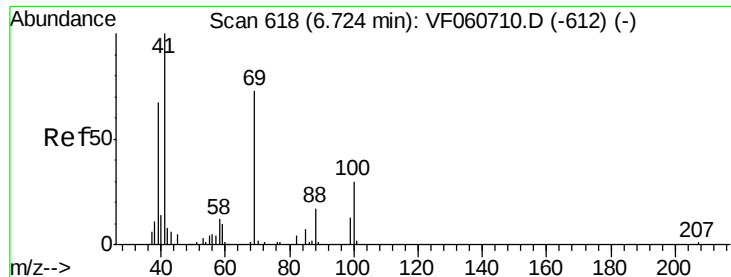
Tot Ion:113 Resp: 148322
Ion Ratio Lower Upper
113 100
111 101.3 87.1 130.7
192 16.7 13.8 20.6



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. 0.00 min
Lab File: VF060746.D
Acq: 15 Nov 2018 14:55

Tgt Ion: 41 Resp: 288
Ion Ratio Lower Upper
41 100
39 68.4 47.1 70.7
67 0.0 37.1 55.7#
52 31.6 39.3 58.9#





#49

1,4-Dioxane

Concen: 4.196 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

Instrument :
MSVOA_F
ClientSampled :

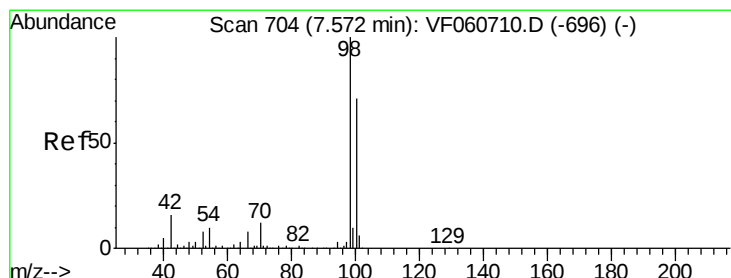
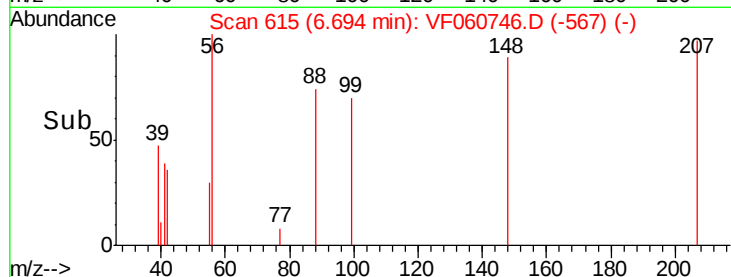
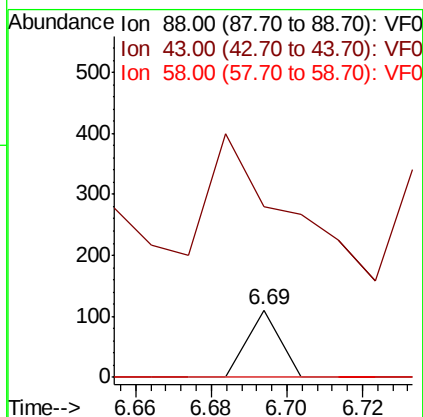
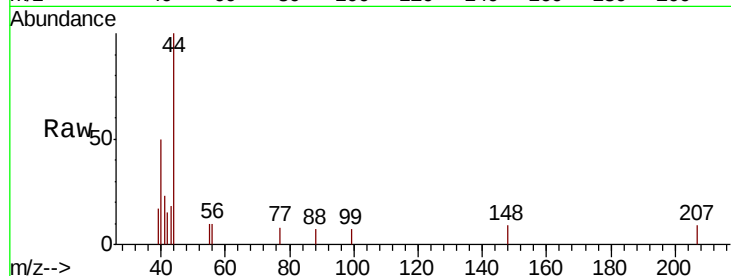
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 254.5 44.6 66.8#

58 0.0 54.5 81.7#



#50

Toluene-d8

Concen: 40.032 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF060746.D

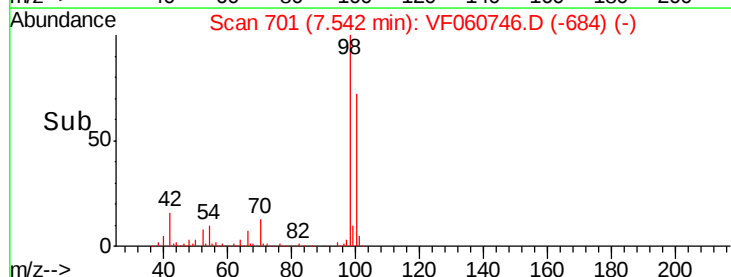
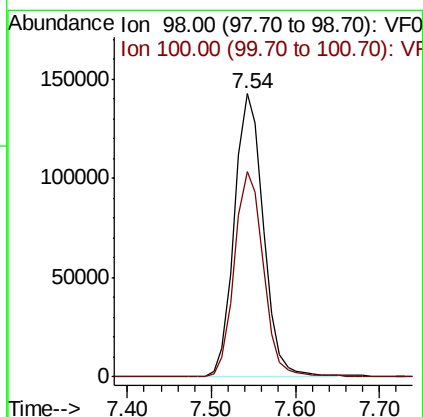
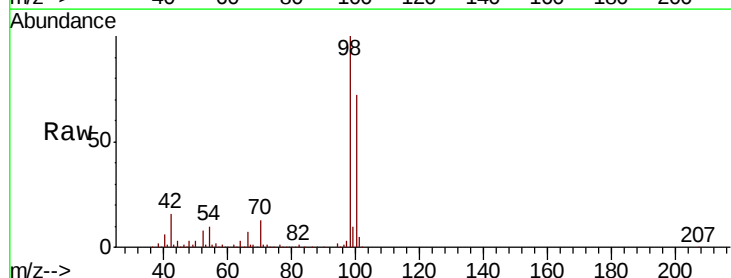
Acq: 15 Nov 2018 14:55

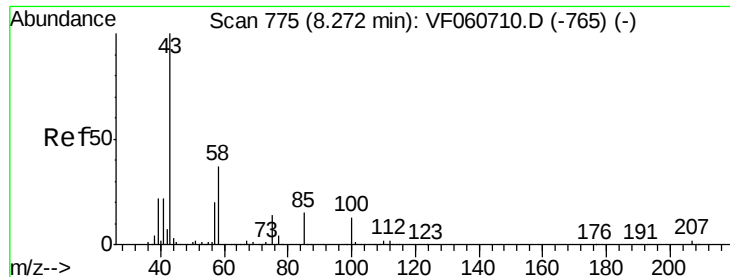
Tgt Ion: 98 Resp: 344211

Ion Ratio Lower Upper

98 100

100 72.4 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 1.580 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

Instrument :

MSVOA_F

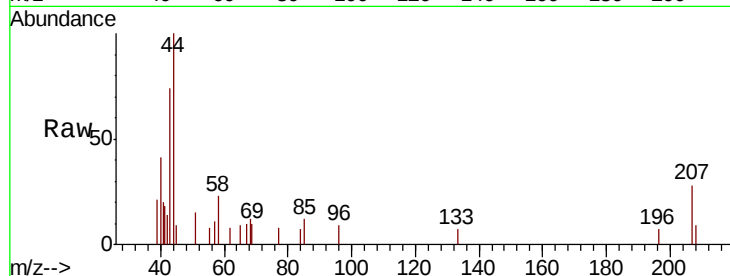
ClientSampleId :

Tot Ion: 43 Resp: 2860

Ion Ratio Lower Upper

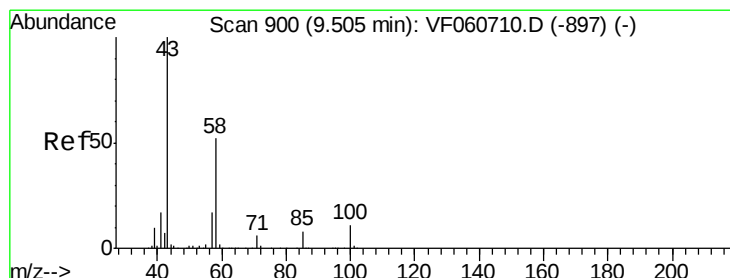
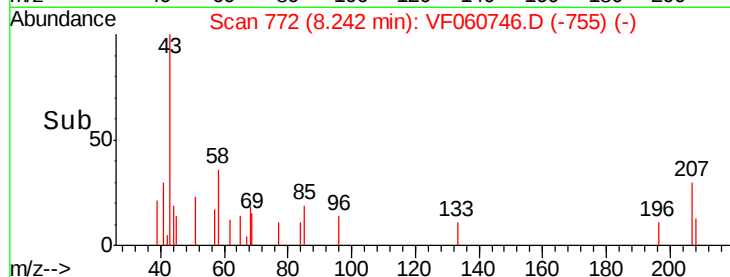
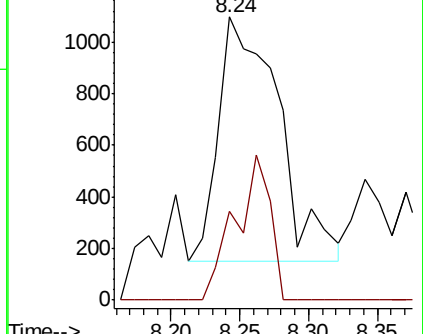
43 100

58 31.4 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: 4.395 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF060746.D

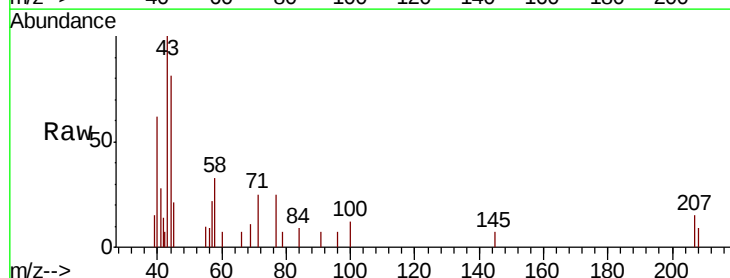
Acq: 15 Nov 2018 14:55

Tgt Ion: 43 Resp: 5590

Ion Ratio Lower Upper

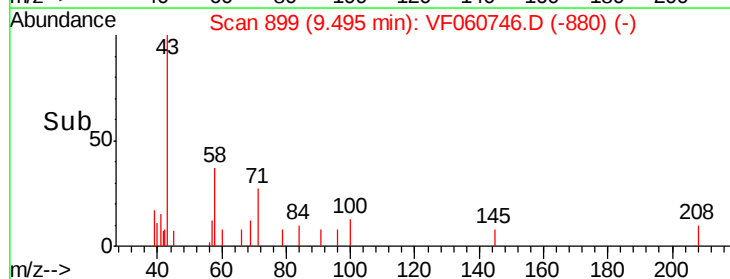
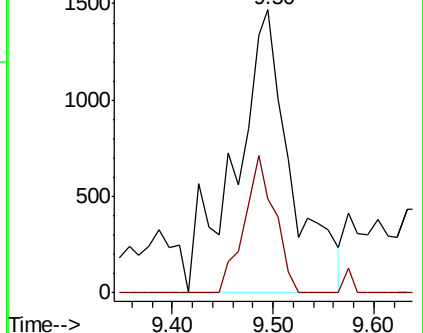
43 100

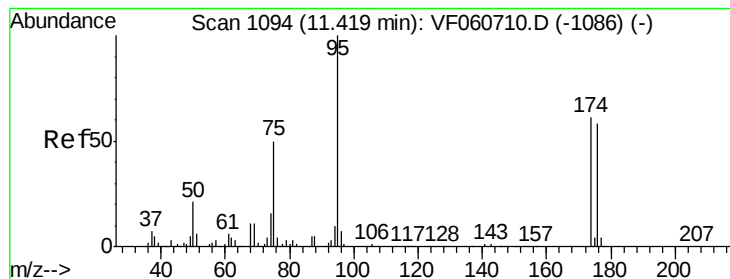
58 33.4 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 45.595 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

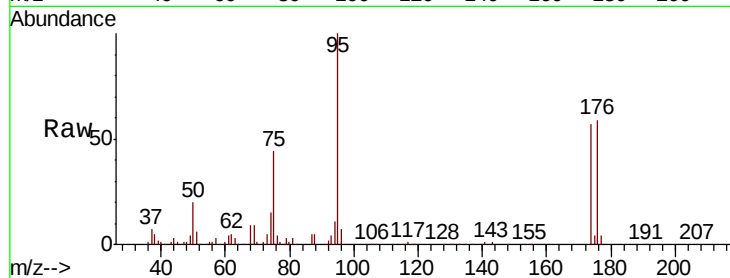
Tot Ion: 95 Resp: 178930

Ion Ratio Lower Upper

95 100

174 56.9 0.0 121.6

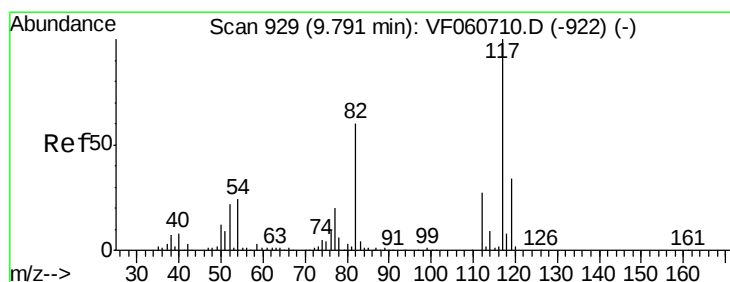
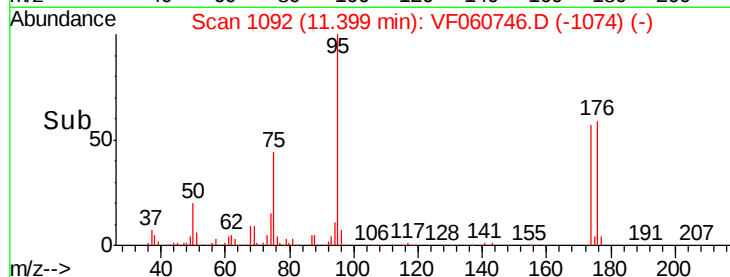
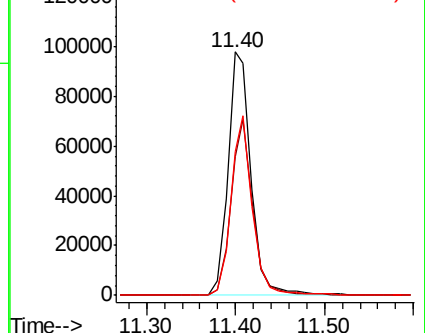
176 59.3 0.0 115.2



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: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

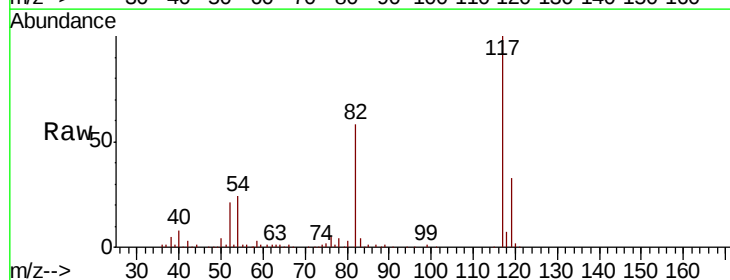
Tgt Ion: 117 Resp: 416019

Ion Ratio Lower Upper

117 100

82 58.3 47.9 71.9

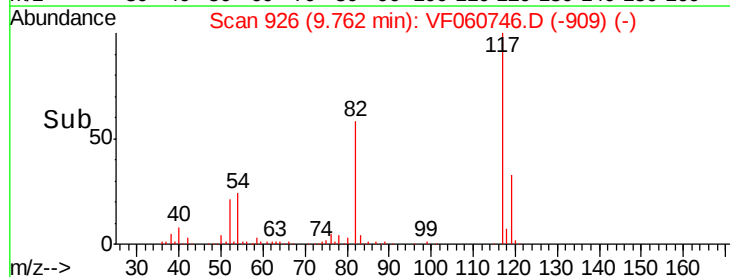
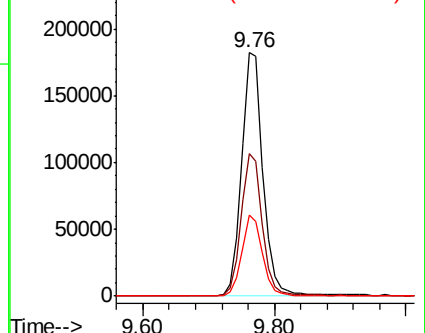
119 33.4 26.8 40.2

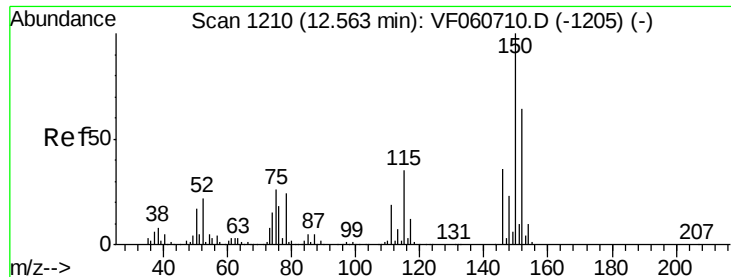


Abundance Ion 117.00 (116.70 to 117.70): VF060710.D (-922) (-)

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: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

Instrument :

MSVOA_F

ClientSampled :

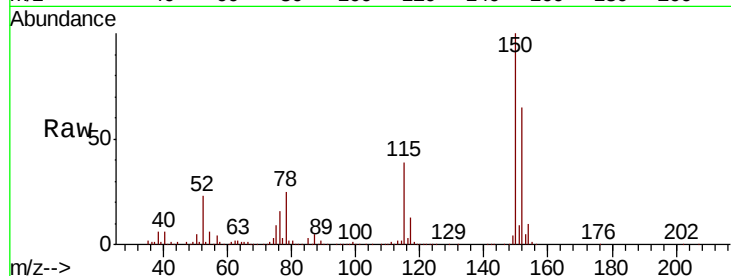
Tot Ion:152 Resp: 220329

Ion Ratio Lower Upper

152 100

115 60.1 27.9 83.7

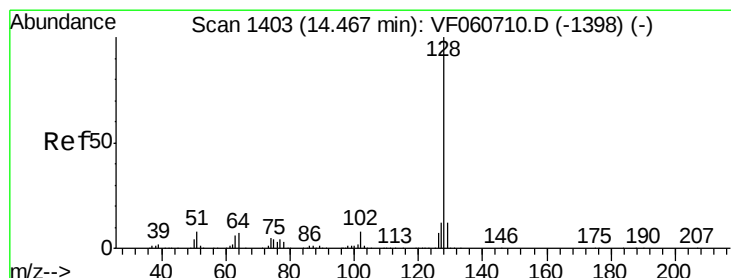
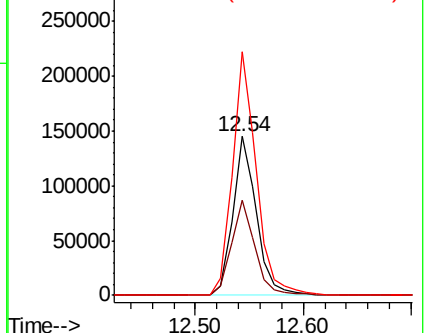
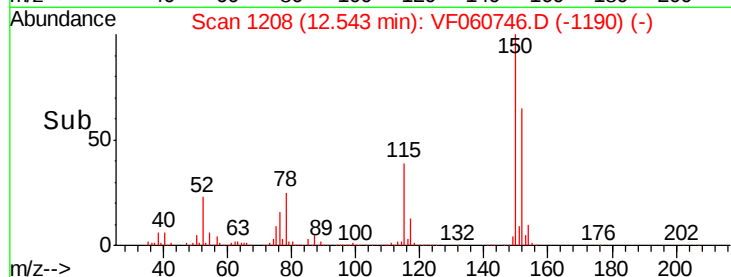
150 153.5 0.0 316.4



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: 1.769 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF060746.D

Acq: 15 Nov 2018 14:55

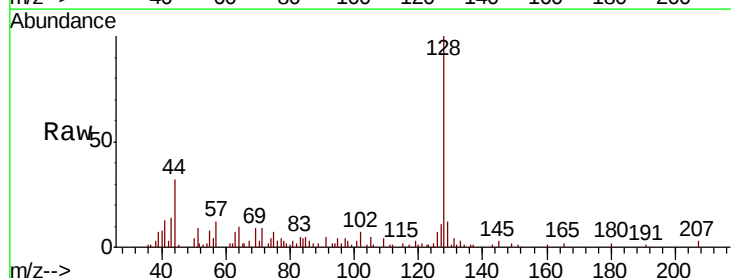
Tgt Ion:128 Resp: 16045

Ion Ratio Lower Upper

128 100

127 11.4 9.8 14.6

129 12.1 9.3 13.9



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

