

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060912.D
 Acq On : 6 Dec 2018 12:37
 Operator : VA/AP
 Sample : VF1206SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 06 15:52:12 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	4.86	168	201778	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	342181	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	294295	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	173041	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	121526	51.13	ug/l	-0.04
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	4.10	113	141280	52.04	ug/l	-0.05
Spiked Amount			Recovery	=	104.08%	
50) Toluene-d8	7.55	98	371860	46.50	ug/l	-0.04
Spiked Amount			Recovery	=	93.00%	
62) 4-Bromofluorobenzene	11.41	95	176905	48.68	ug/l	-0.03
Spiked Amount			Recovery	=	97.36%	

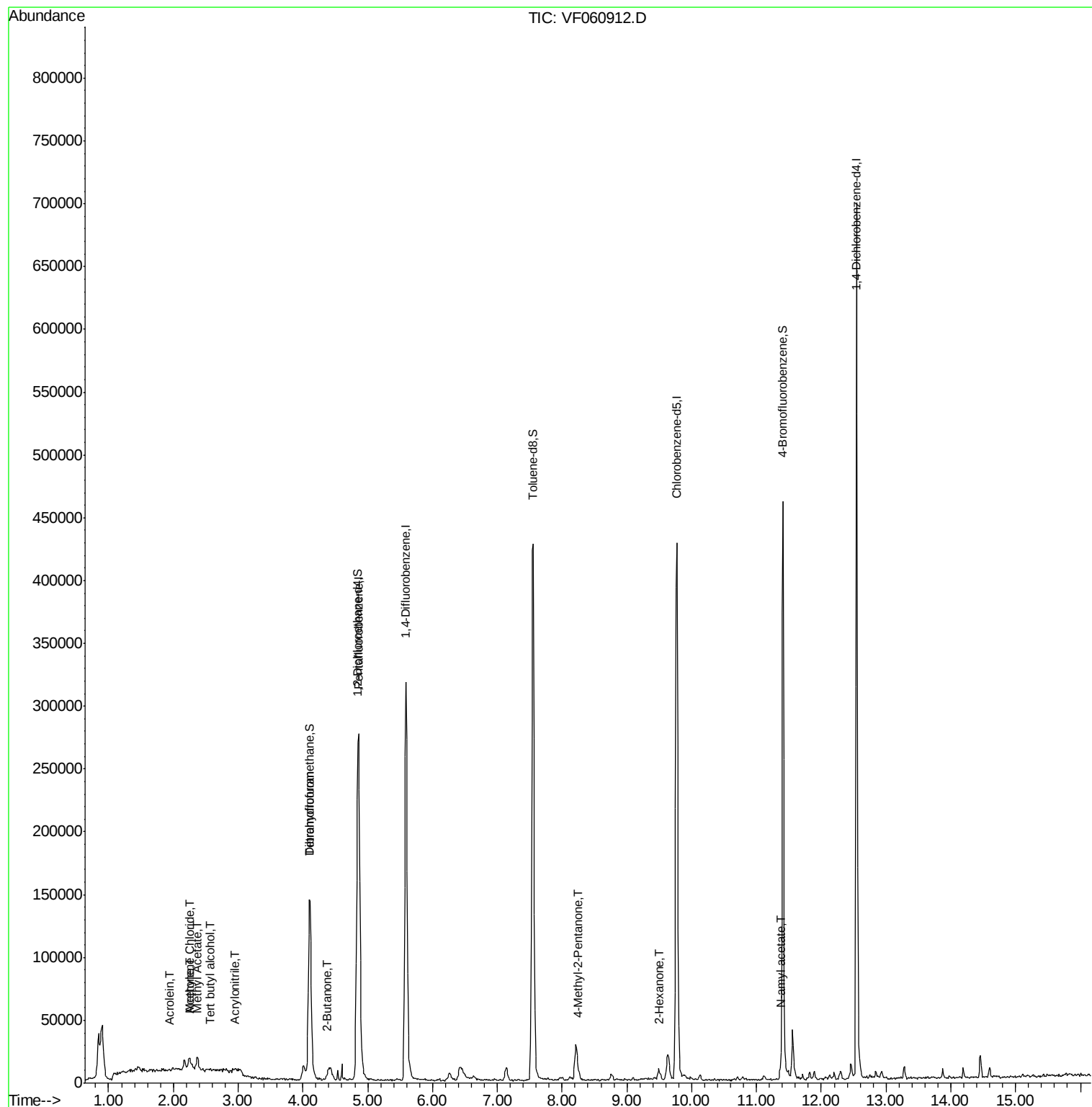
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	348	3.571	ug/l #	62
13) Acrolein	1.94	56	1384	14.991	ug/l	83
15) Acrylonitrile	2.96	53	1197	5.479	ug/l #	60
16) Acetone	2.25	43	3185	7.266	ug/l #	91
18) Methyl Acetate	2.37	43	3434	3.122	ug/l #	61
20) Methylene Chloride	2.26	84	7339	4.564	ug/l #	87
25) 2-Butanone	4.36	43	2730	3.601	ug/l #	57
29) Tetrahydrofuran	4.10	42	737	2.293	ug/l #	46
41) Methacrylonitrile	4.76	41	996	Below Cal	#	48
43) Isopropyl Acetate	6.92	43	512	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.25	43	4862	3.418	ug/l #	79
59) 2-Hexanone	9.50	43	7535	7.552	ug/l	68
74) N-amyl acetate	11.37	43	6278	1.988	ug/l #	91
95) Naphthalene	14.45	128	11390	Below Cal	#	94

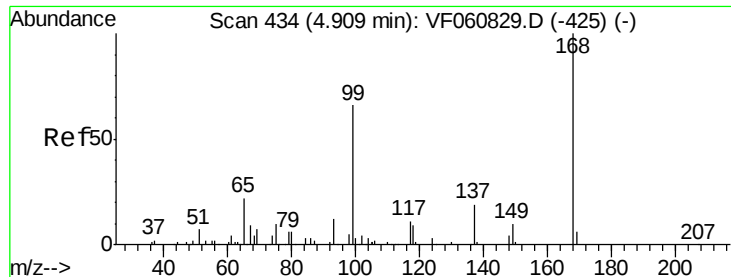
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060912.D
Acq On : 6 Dec 2018 12:37
Operator : VA/AP
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Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 06 15:45:18 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: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

Instrument :

MSVOA_F

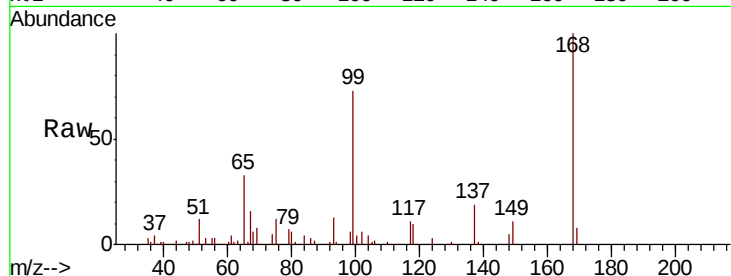
ClientSampleId :

Tot Ion:168 Resp: 201778

Ion Ratio Lower Upper

168 100

99 73.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

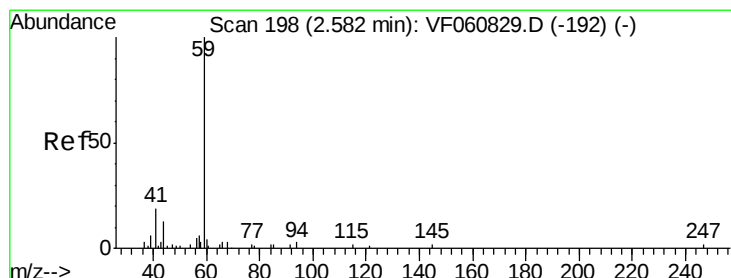
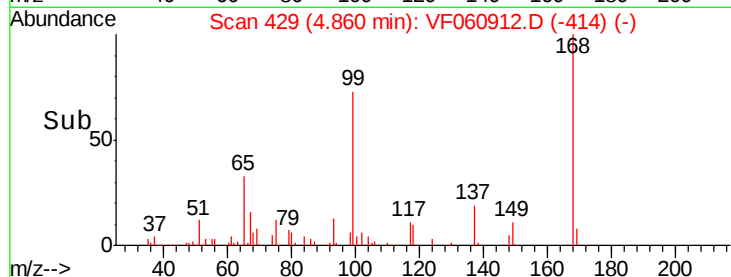
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.571 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF060912.D

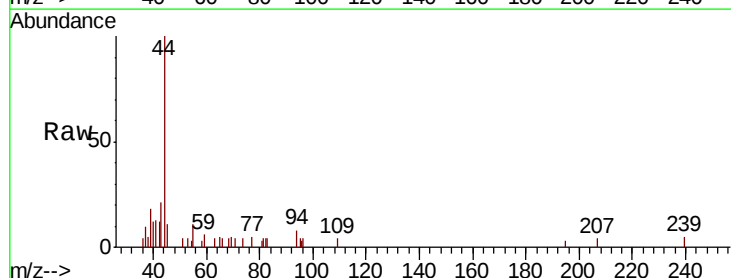
Acq: 6 Dec 2018 12:37

Tgt Ion: 59 Resp: 348

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

2.56

300

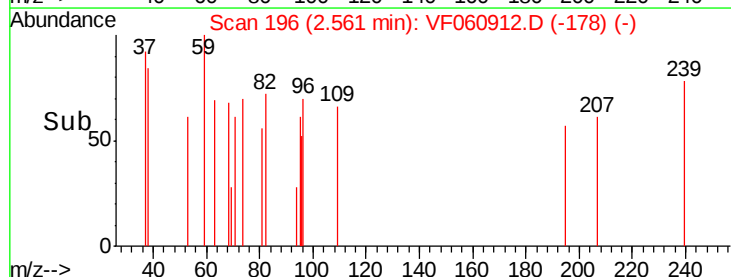
200

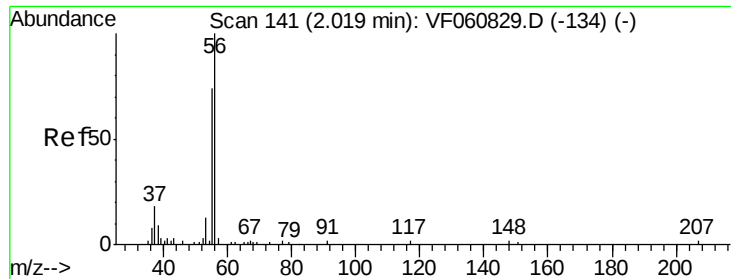
100

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 14.991 ug/l

RT: 1.94 min Scan# 133

Delta R.T. -0.08 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

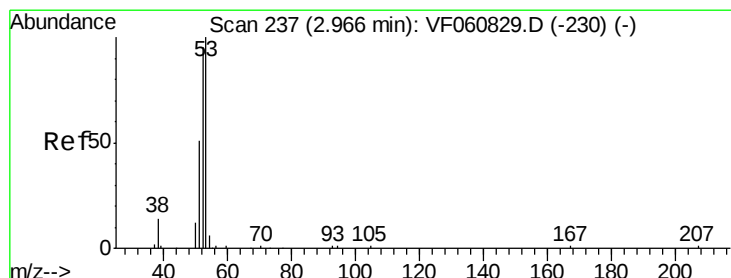
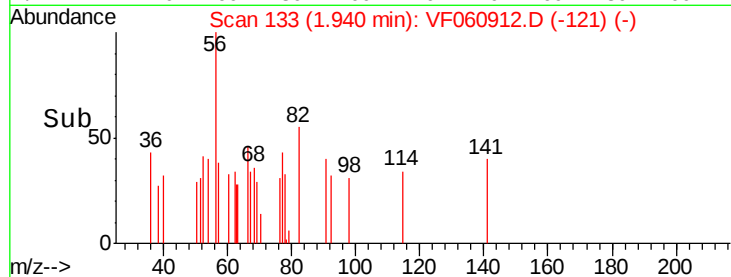
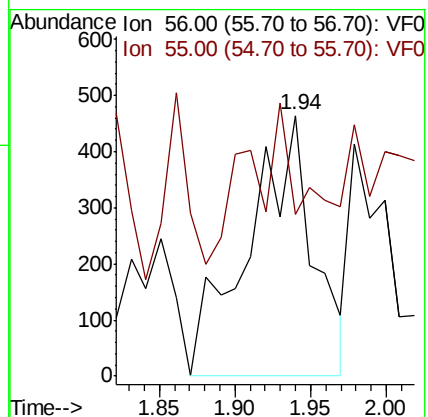
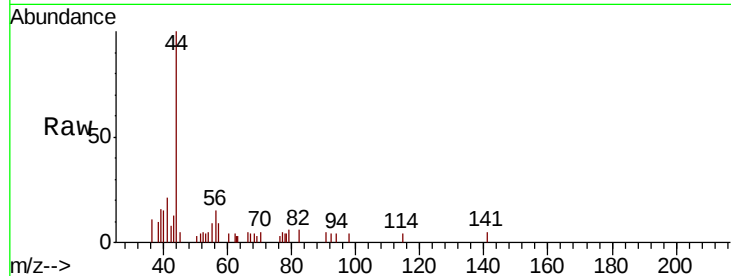
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1384

Ion Ratio Lower Upper

56 100

55 62.1 61.2 91.8



#15

Acrylonitrile

Concen: 5.479 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

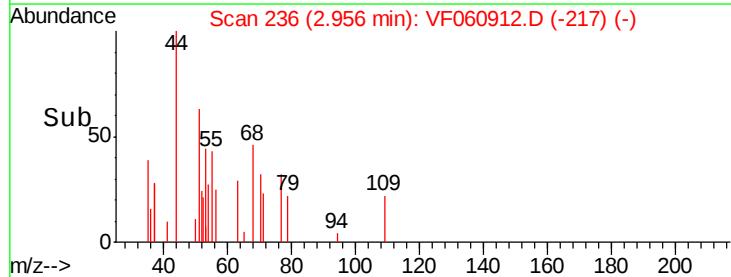
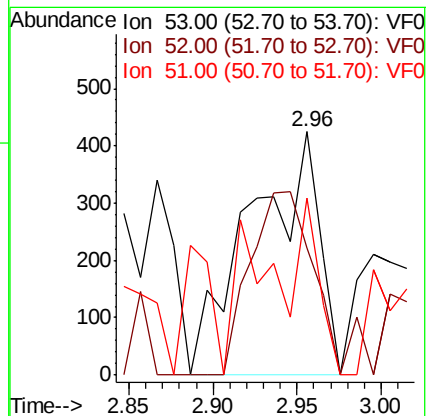
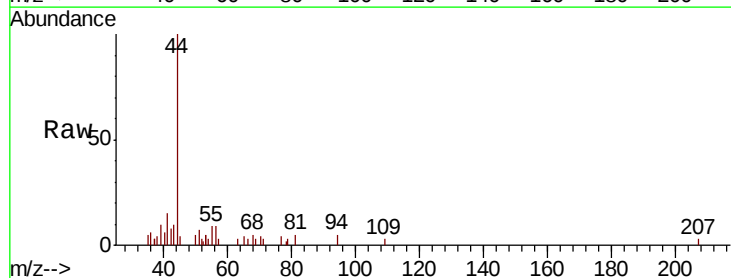
Tgt Ion: 53 Resp: 1197

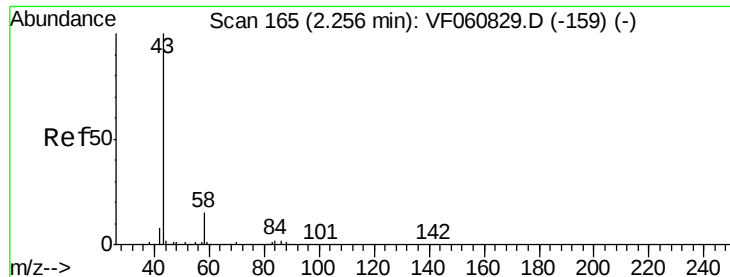
Ion Ratio Lower Upper

53 100

52 52.0 76.5 114.7#

51 72.7 40.7 61.1#





#16

Acetone

Concen: 7.266 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

Instrument :

MSVOA_F

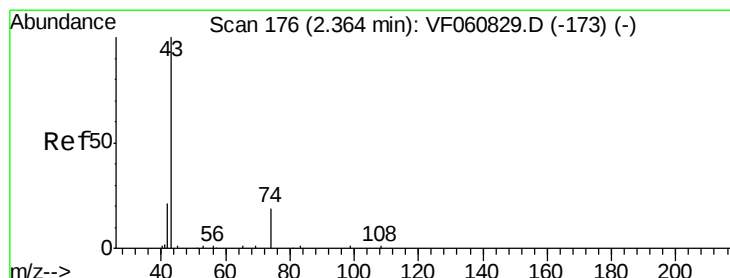
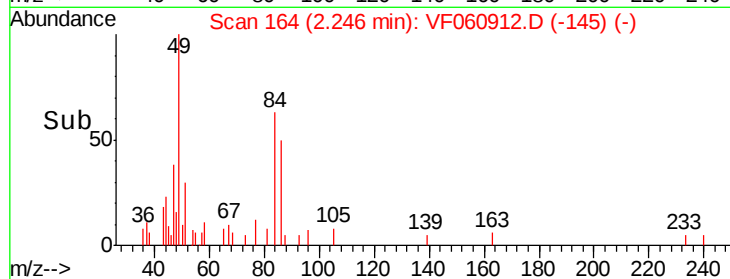
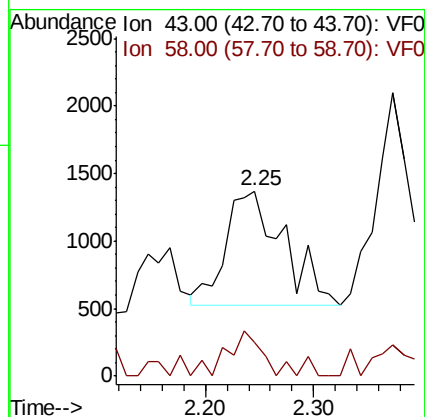
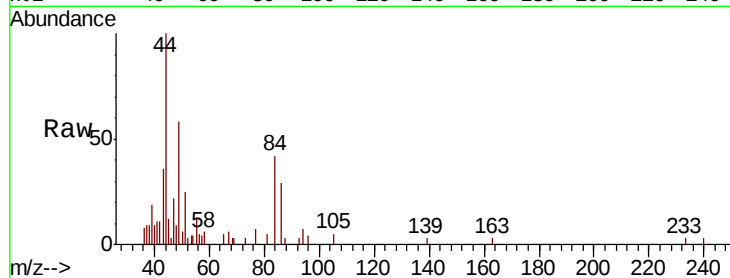
ClientSampleId :

Tot Ion: 43 Resp: 3185

Ion Ratio Lower Upper

43 100

58 18.1 11.4 17.2#



#18

Methyl Acetate

Concen: 3.122 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF060912.D

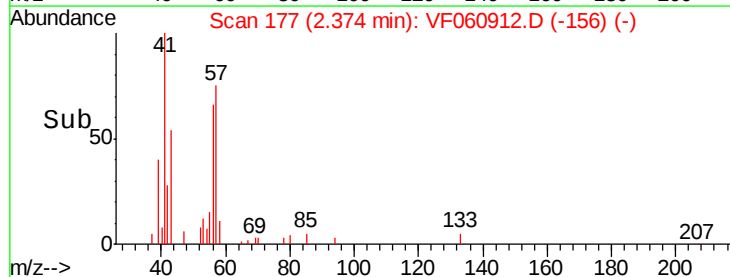
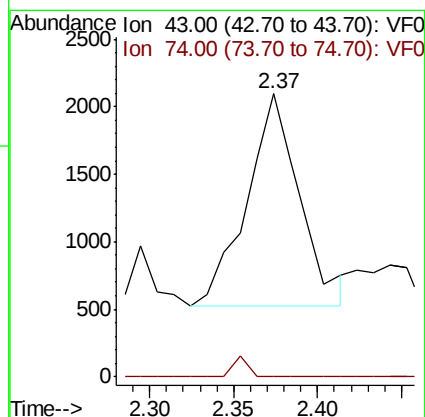
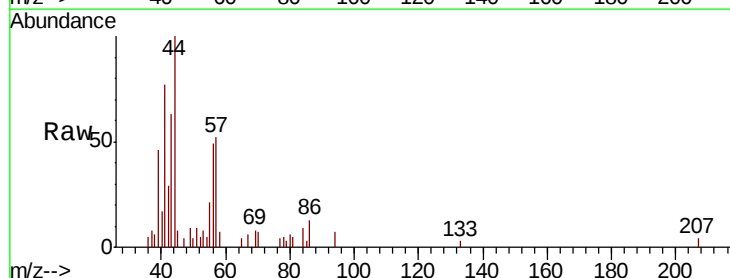
Acq: 6 Dec 2018 12:37

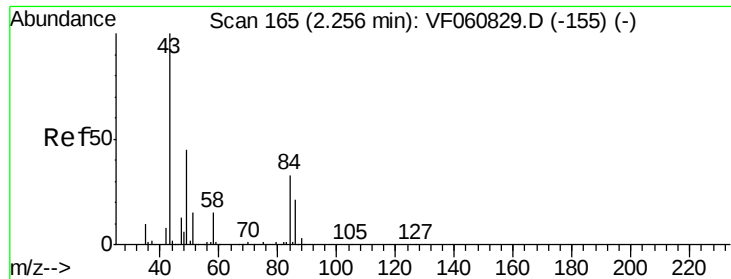
Tgt Ion: 43 Resp: 3434

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#

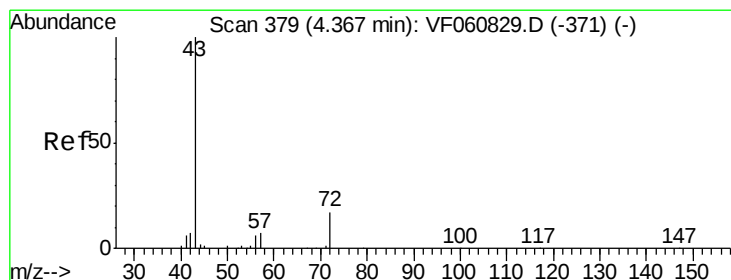
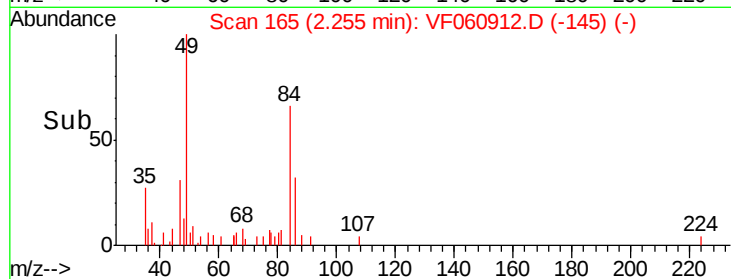
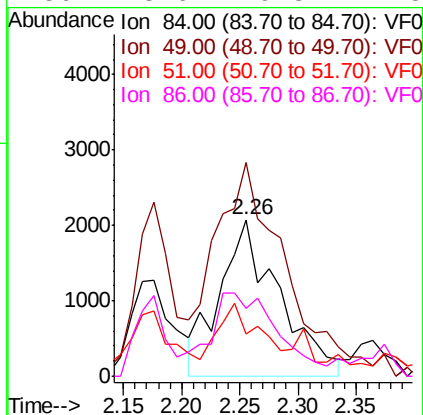
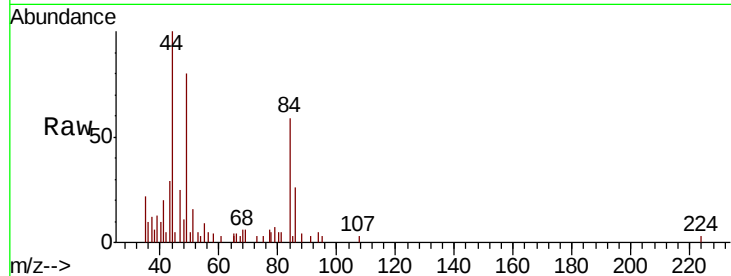




#20
Methvlene Chloride
Concen: 4.564 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

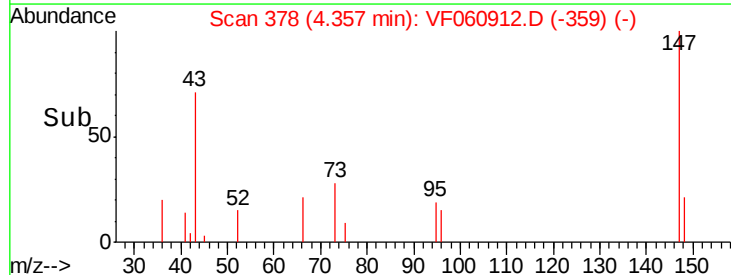
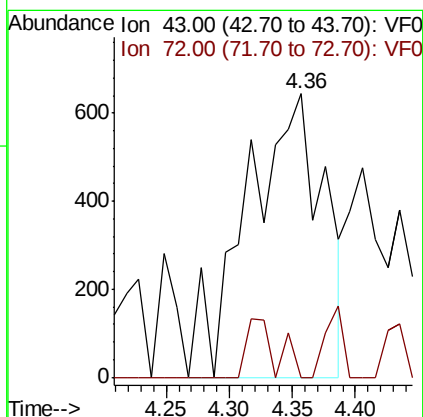
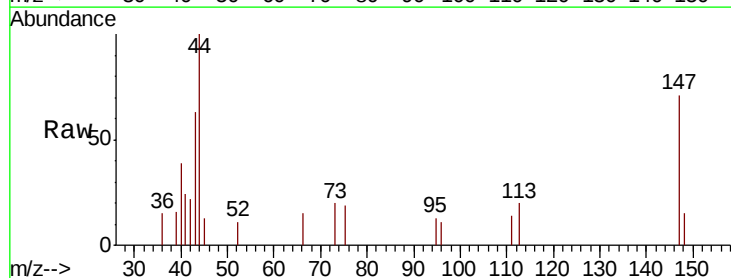
Instrument :
MSVOA_F
ClientSampled :

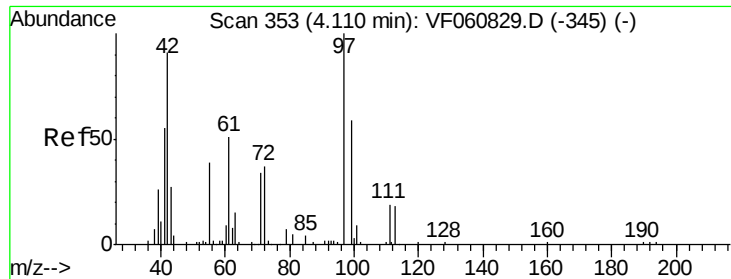
Tot Ion: 84 Resp: 7339
Ion Ratio Lower Upper
84 100
49 136.5 111.3 166.9
51 26.8 38.0 57.0#
86 43.6 49.8 74.8#



#25
2-Butanone
Concen: 3.601 ug/l
RT: 4.36 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

Tgt Ion: 43 Resp: 2730
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#





#29

Tetrahydrofuran

Concen: 2.293 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

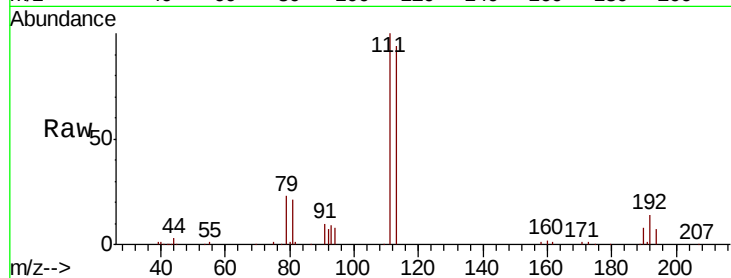
Tot Ion: 42 Resp: 737

Ion Ratio Lower Upper

42 100

72 11.0 31.9 47.9#

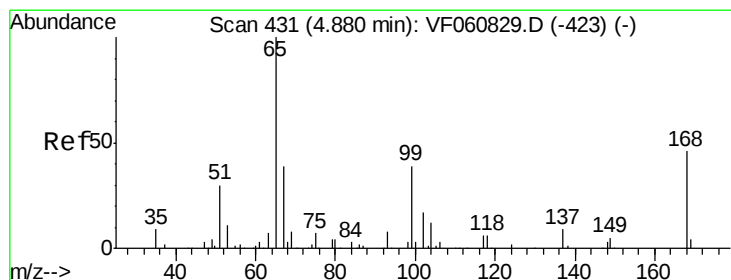
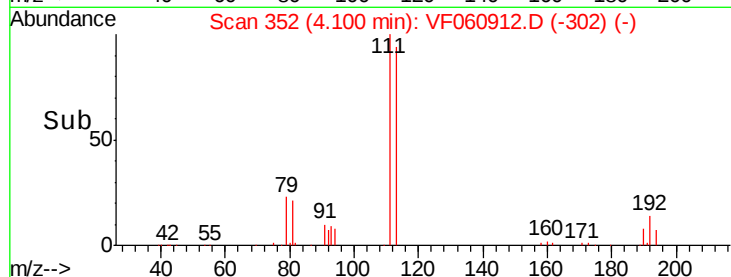
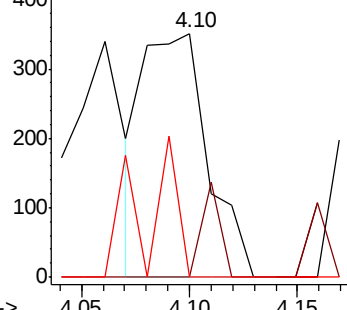
71 0.0 28.7 43.1#



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: 51.126 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060912.D

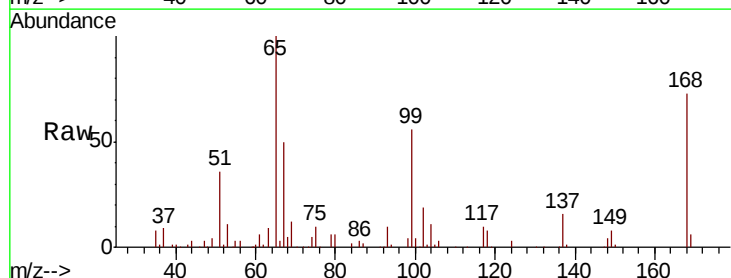
Acq: 6 Dec 2018 12:37

Tgt Ion: 65 Resp: 121526

Ion Ratio Lower Upper

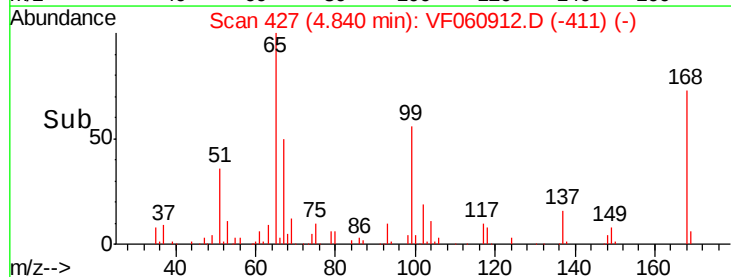
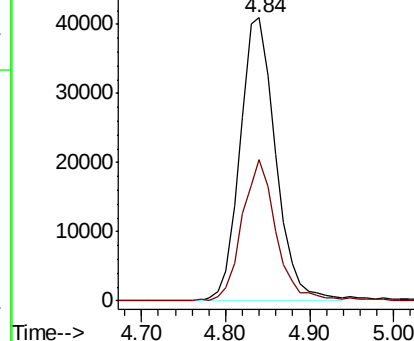
65 100

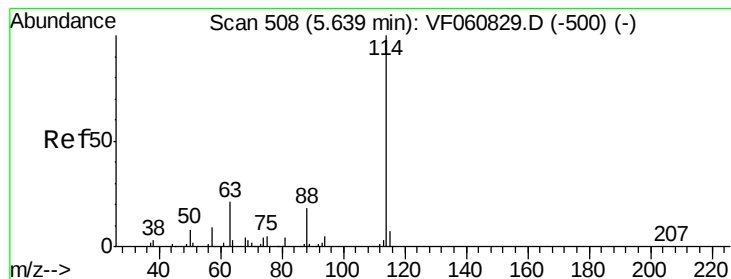
67 50.1 0.0 96.4



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: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

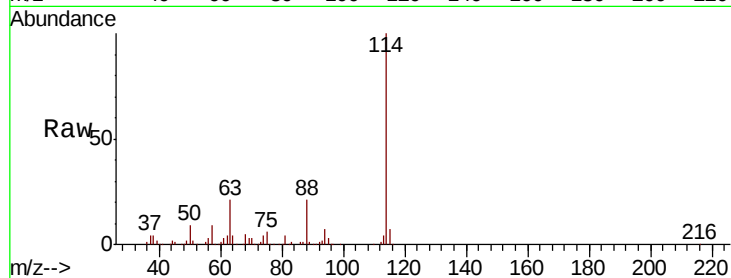
Tot Ion:114 Resp: 342181

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

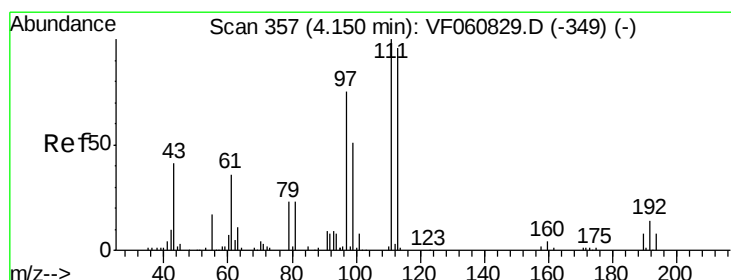
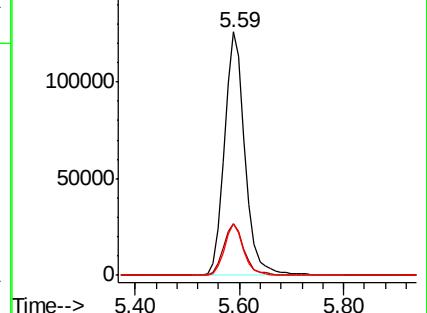
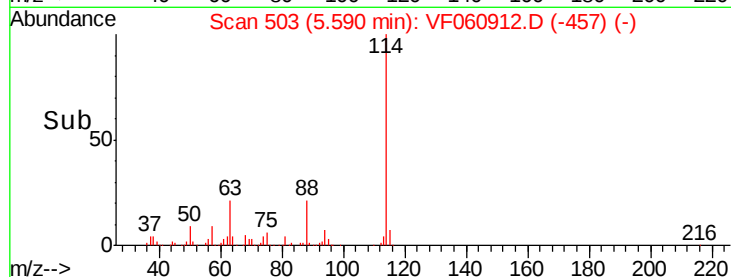
88 21.2 0.0 36.6



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: 52.044 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

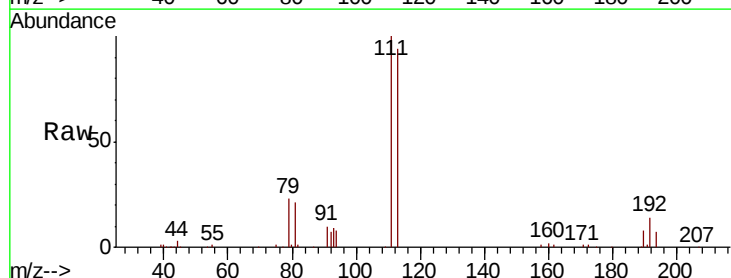
Tgt Ion:113 Resp: 141280

Ion Ratio Lower Upper

113 100

111 106.2 83.0 124.6

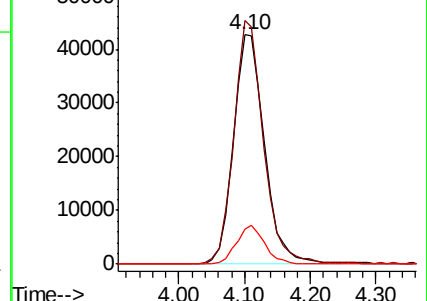
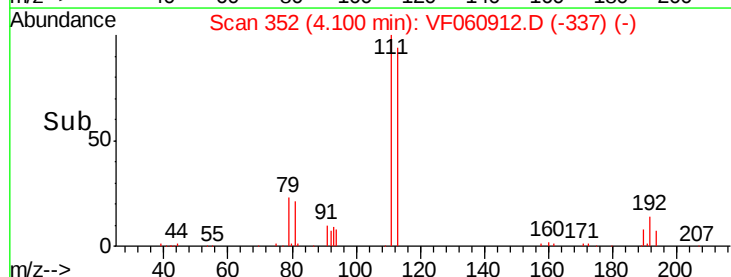
192 15.3 12.3 18.5

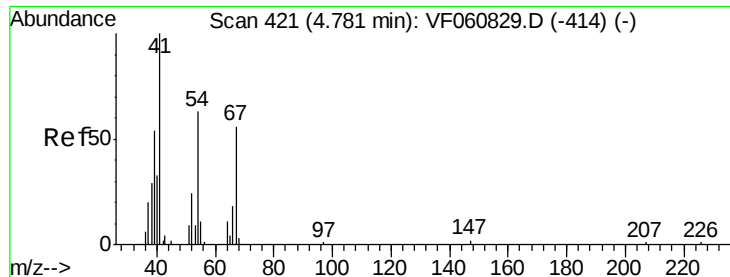


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

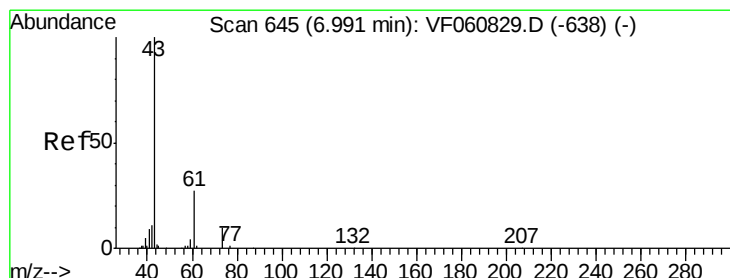
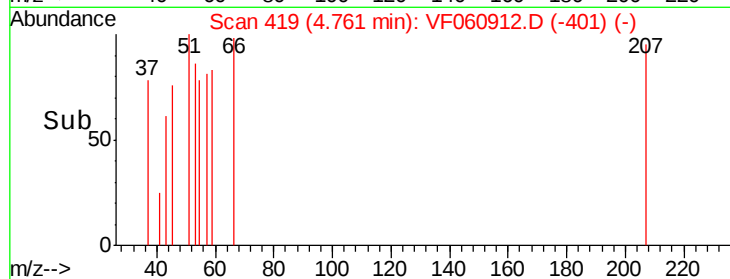
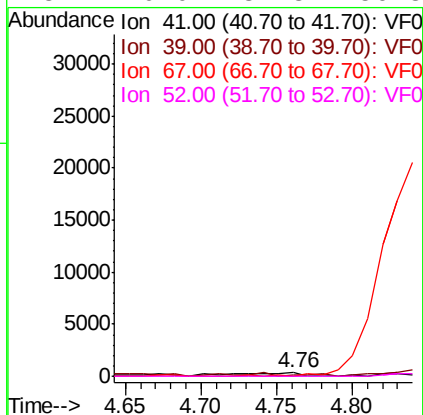
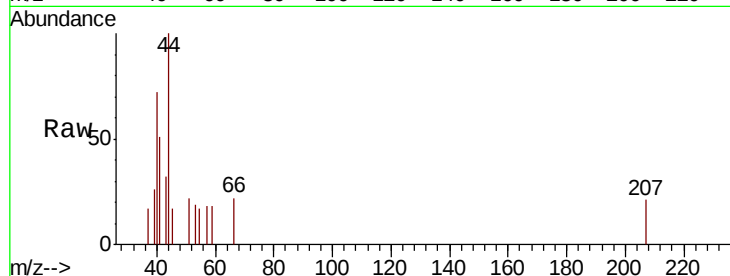




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

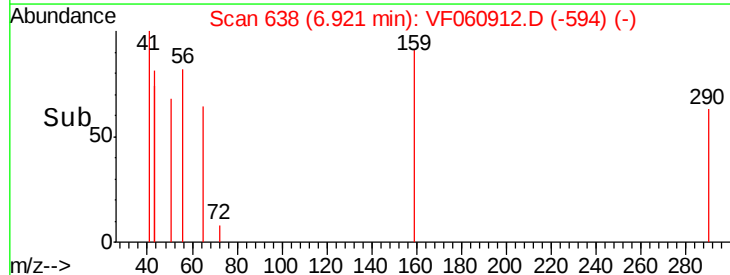
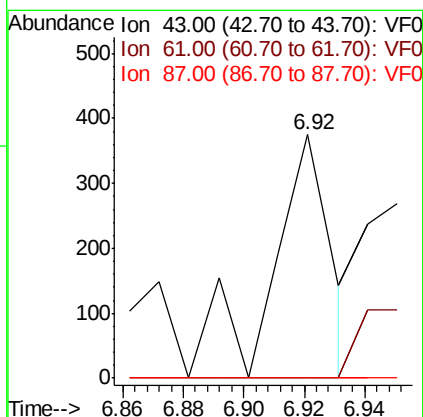
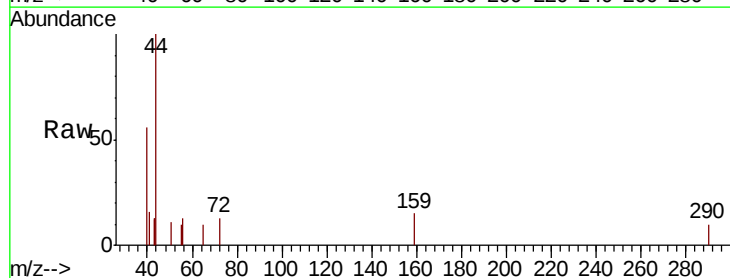
Instrument :
MSVOA_F
ClientSampleId :

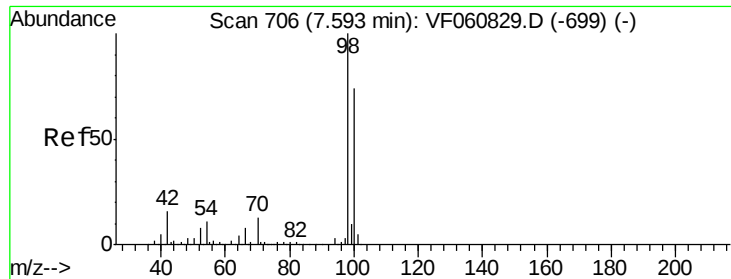
Tot Ion:	41	Resp:	996
Ion	Ratio	Lower	Upper
41	100		
39	50.9	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 638
Delta R.T. -0.07 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

Tgt Ion:	43	Resp:	512
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

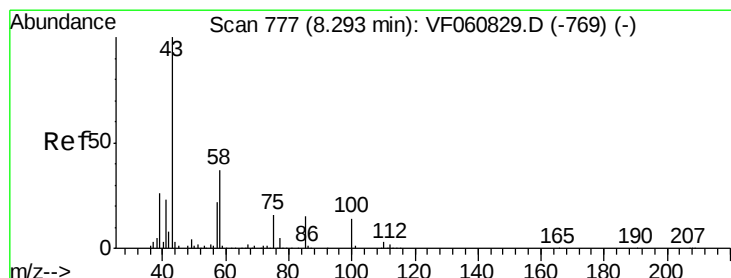
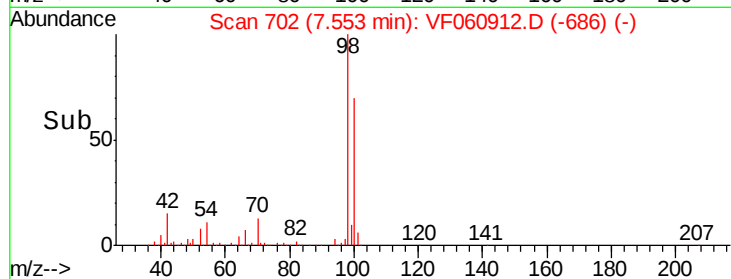
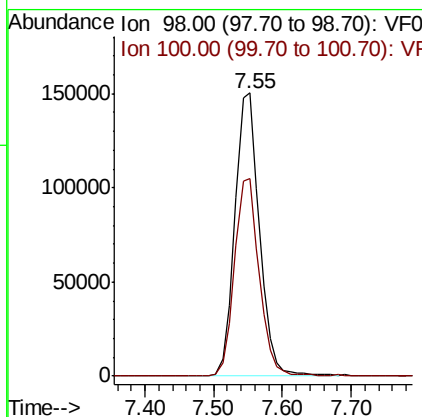
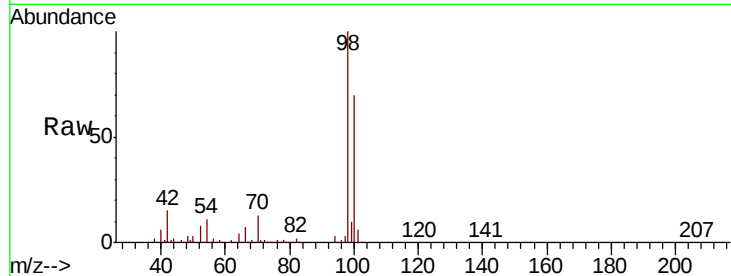




#50
Toluene-d8
Concen: 46.503 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

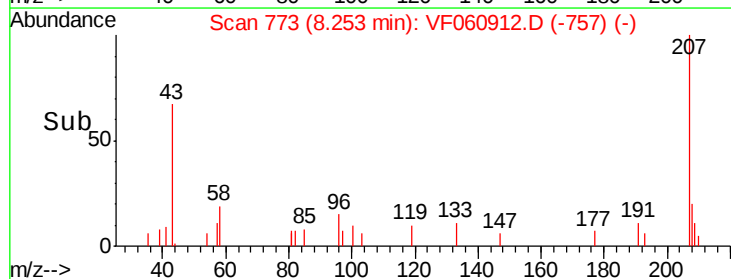
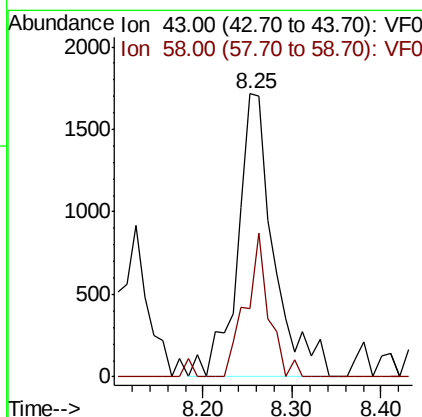
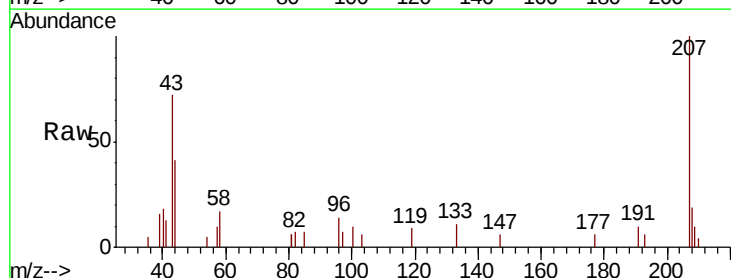
Instrument :
MSVOA_F
ClientSampleId :

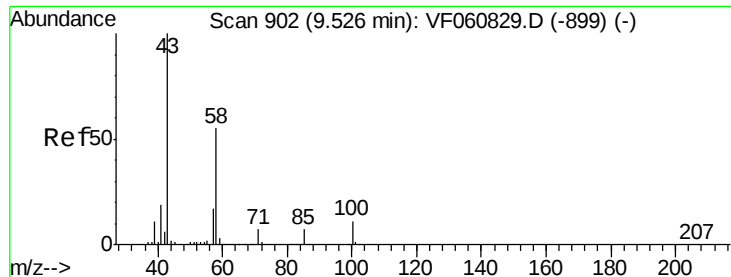
Tot Ion: 98 Resp: 371860
Ion Ratio Lower Upper
98 100
100 69.7 59.3 88.9



#51
4-Methyl-2-Pentanone
Concen: 3.418 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.04 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

Tgt Ion: 43 Resp: 4862
Ion Ratio Lower Upper
43 100
58 24.4 29.7 44.5#

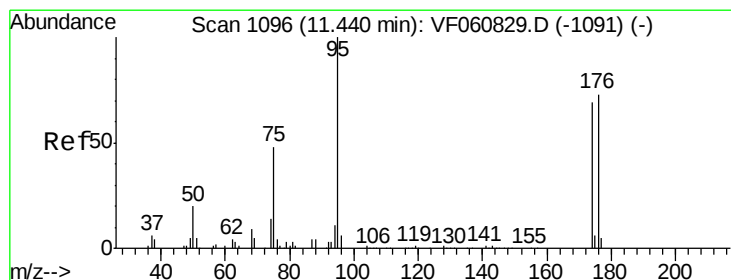
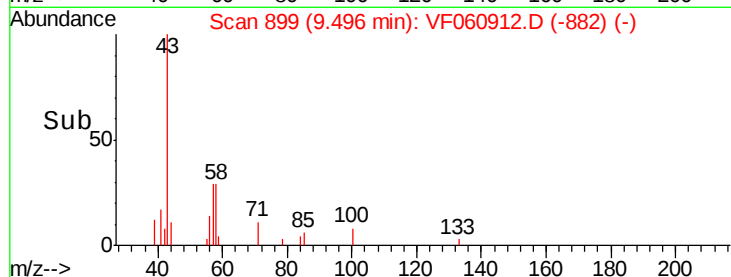
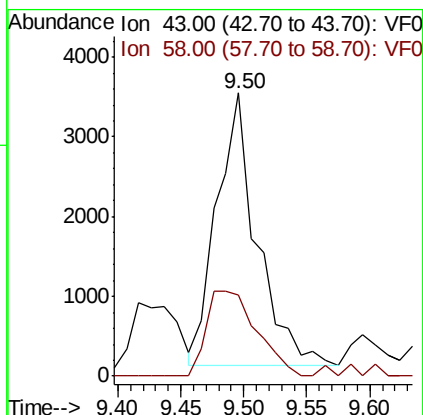
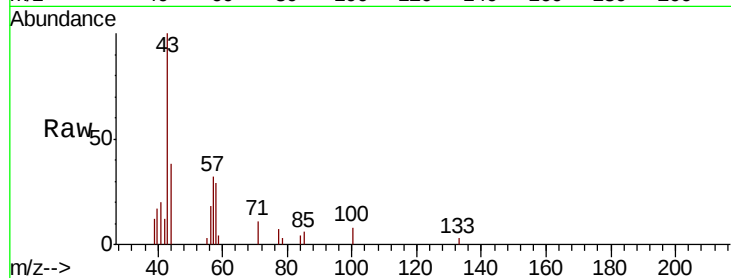




#59
2-Hexanone
Concen: 7.552 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

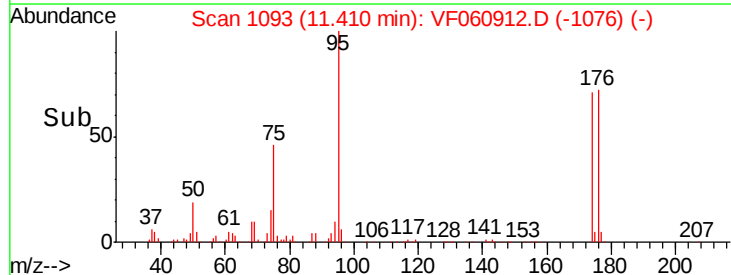
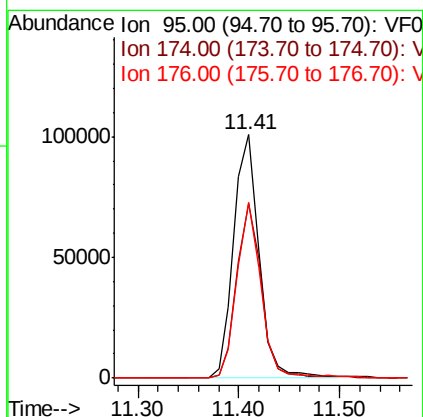
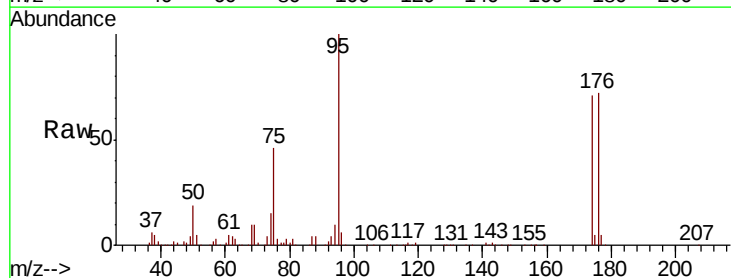
Instrument :
MSVOA_F
ClientSampled :

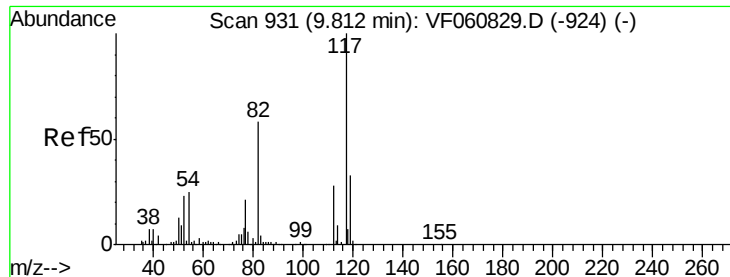
Tot Ion: 43 Resp: 7535
Ion Ratio Lower Upper
43 100
58 28.5 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 48.677 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

Tgt Ion: 95 Resp: 176905
Ion Ratio Lower Upper
95 100
174 71.5 0.0 138.2
176 72.1 0.0 146.2

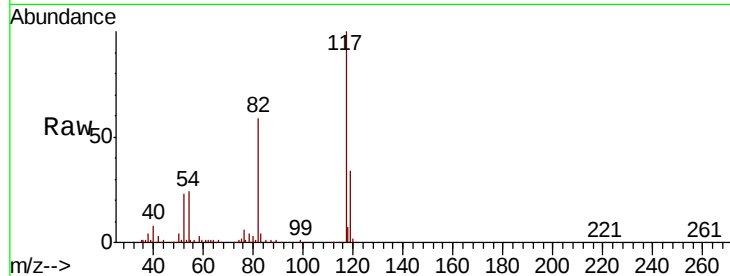




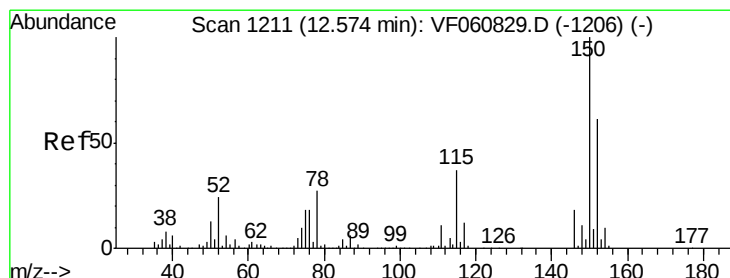
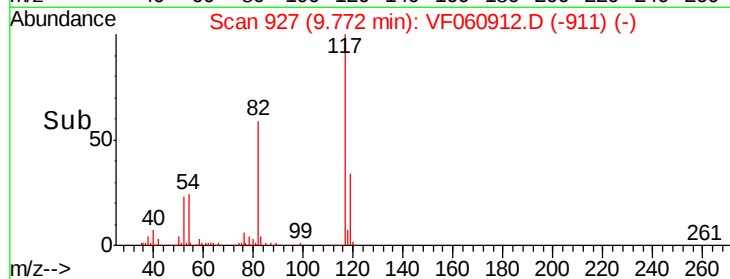
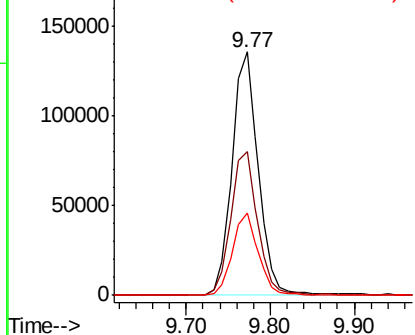
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.6	69.8
119	34.0	26.4	39.6

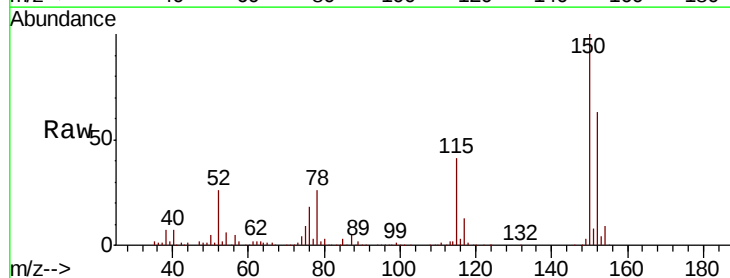


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

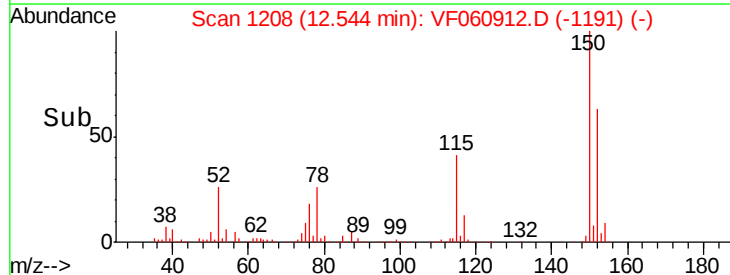
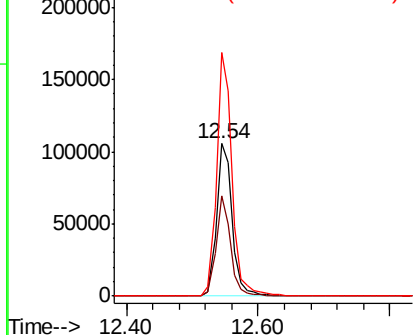


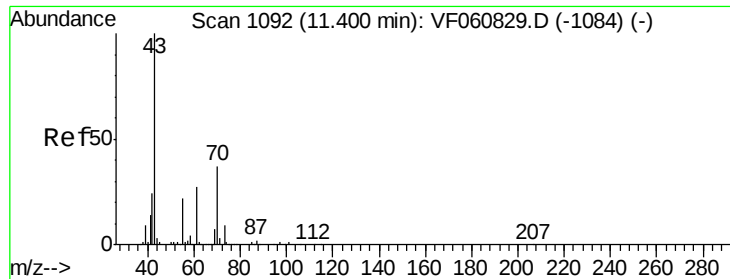
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060912.D
Acq: 6 Dec 2018 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.9	30.1	90.5
150	159.6	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-amvl acetate

Concen: 1.988 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

Instrument :

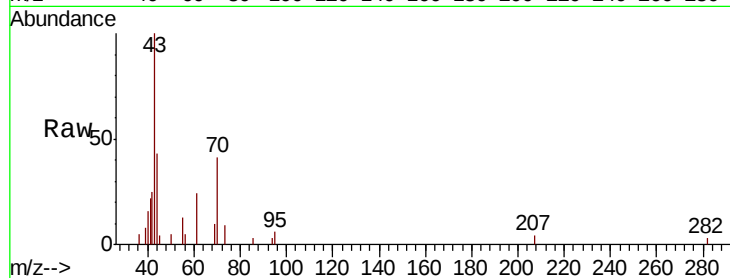
MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 6278

Ion Ratio Lower Upper

43	100		
70	41.4	29.6	44.4
55	13.4	17.2	25.8#
61	24.4	21.8	32.6

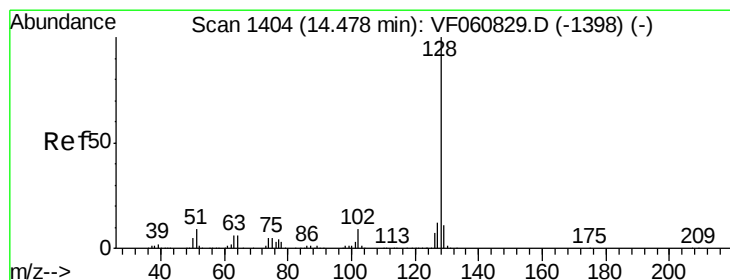
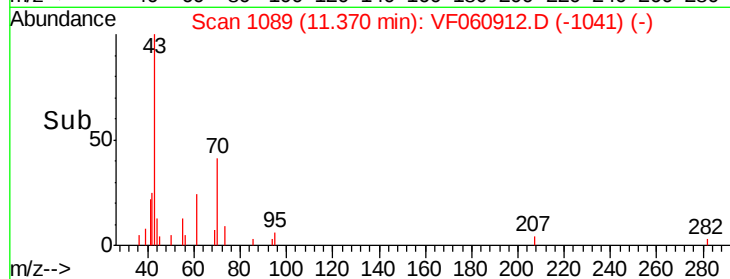
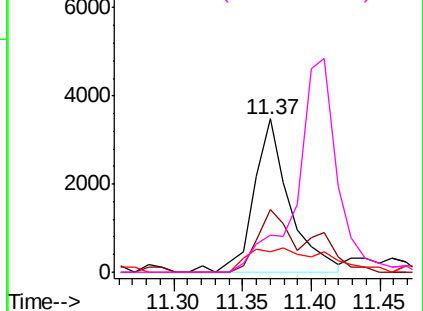


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 14.45 min Scan# 1401

Delta R.T. -0.03 min

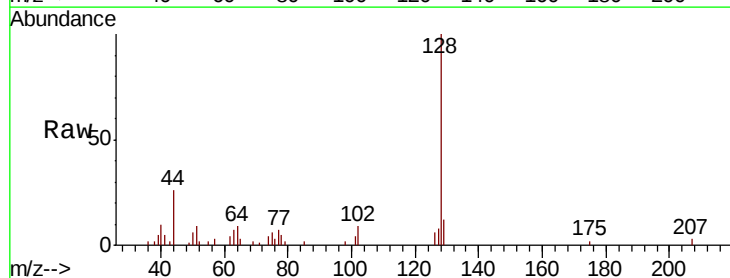
Lab File: VF060912.D

Acq: 6 Dec 2018 12:37

Tgt Ion:128 Resp: 11390

Ion Ratio Lower Upper

128	100		
127	7.7	9.9	14.9#
129	11.5	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

