

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060973.D
 Acq On : 11 Dec 2018 13:32
 Operator : VA/AP
 Sample : VF1211SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBL01

Quant Time: Dec 12 06:25:58 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	208707	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	350898	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	307346	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	177092	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	121743	49.52	ug/l	-0.04
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	4.11	113	143325	51.49	ug/l	-0.04
Spiked Amount			Recovery	=	102.98%	
50) Toluene-d8	7.56	98	373359	45.53	ug/l	-0.04
Spiked Amount			Recovery	=	91.06%	
62) 4-Bromofluorobenzene	11.41	95	177917	47.74	ug/l	-0.03
Spiked Amount			Recovery	=	95.48%	

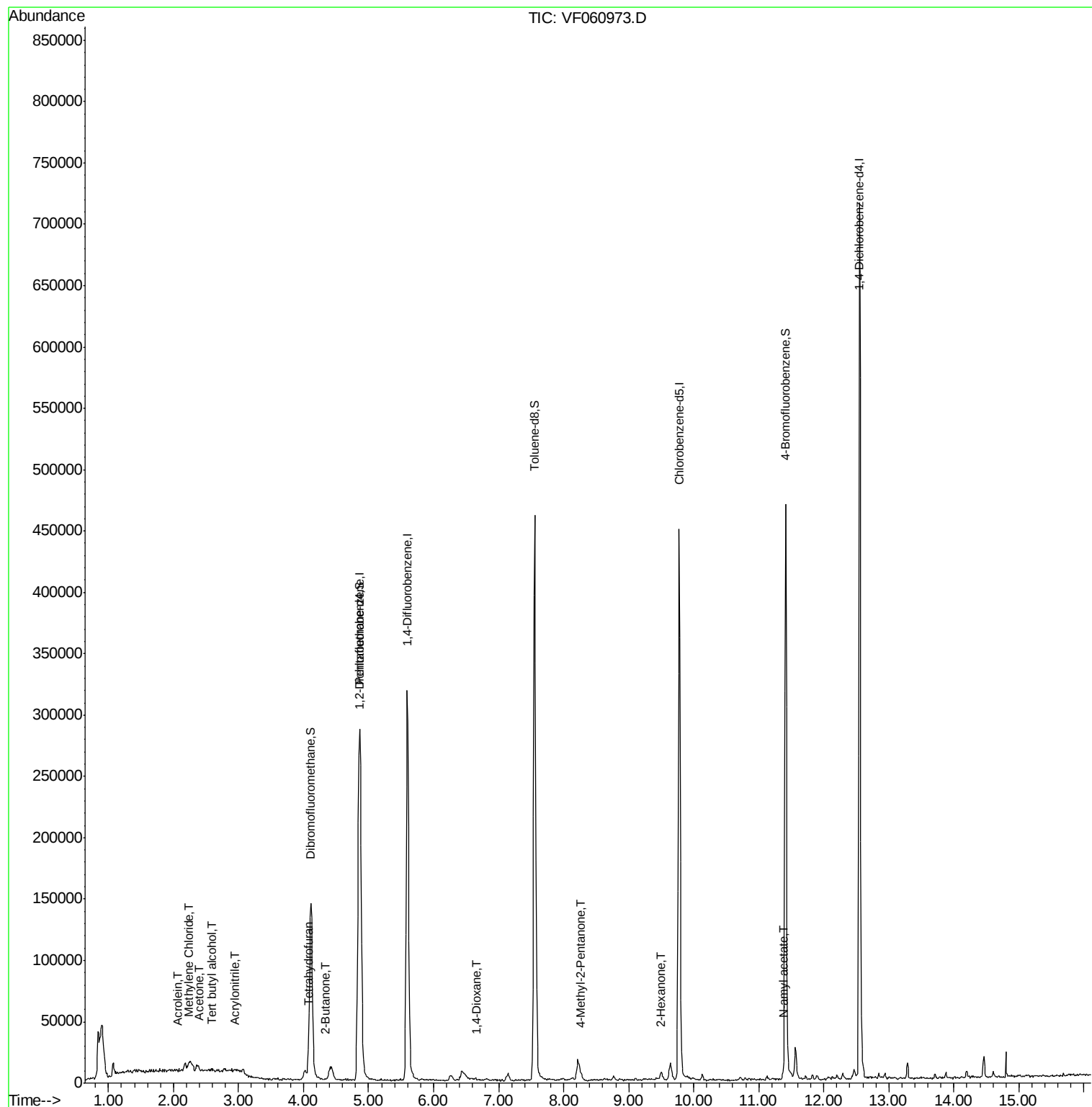
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	157	1.558	ug/l #	1
13) Acrolein	2.06	56	492	5.152	ug/l	87
15) Acrylonitrile	2.93	53	1158	5.125	ug/l #	74
16) Acetone	2.38	43	1719	3.791	ug/l	99
20) Methylene Chloride	2.24	84	5458	3.281	ug/l #	74
25) 2-Butanone	4.34	43	1463	1.866	ug/l #	57
29) Tetrahydrofuran	4.06	42	469	1.411	ug/l #	61
41) Methacrylonitrile	4.76	41	394	Below Cal	#	24
43) Isopropyl Acetate	6.95	43	916	Below Cal	#	49
49) 1,4-Dioxane	6.67	88	71	6.776	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	4472	3.066	ug/l	96
59) 2-Hexanone	9.49	43	5489	5.364	ug/l	85
74) N-amyl acetate	11.37	43	5599	1.733	ug/l #	91
95) Naphthalene	14.46	128	9552	Below Cal	#	96

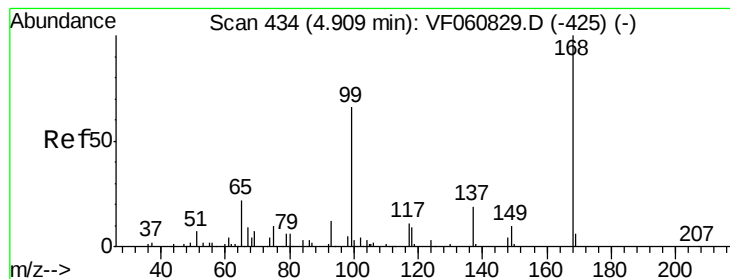
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121118\
Data File : VF060973.D
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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: VF060973.D

Acq: 11 Dec 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

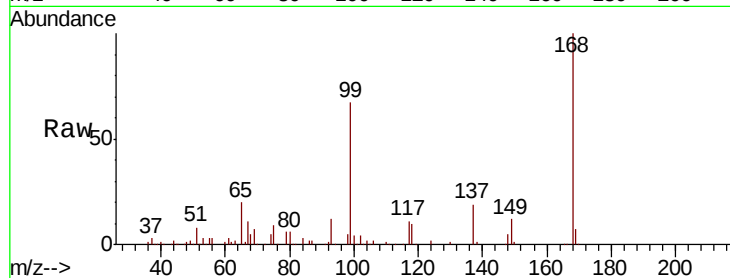
VF1211SBL01

Tot Ion:168 Resp: 208707

Ion Ratio Lower Upper

168 100

99 67.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

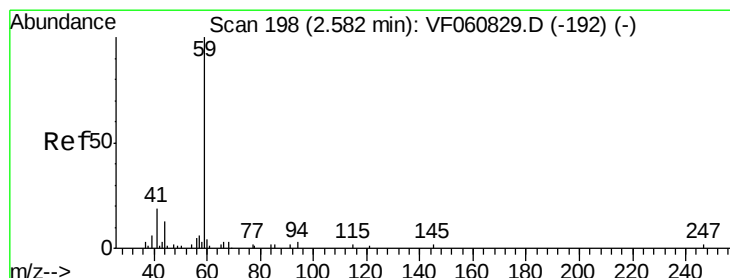
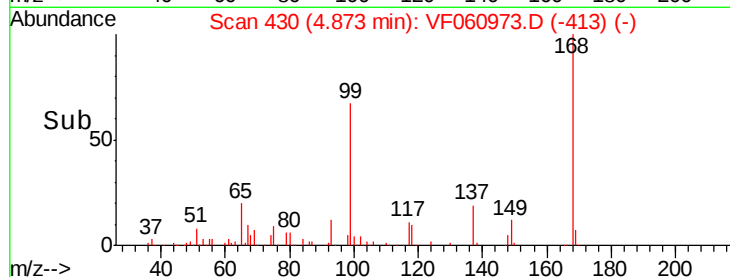
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.558 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060973.D

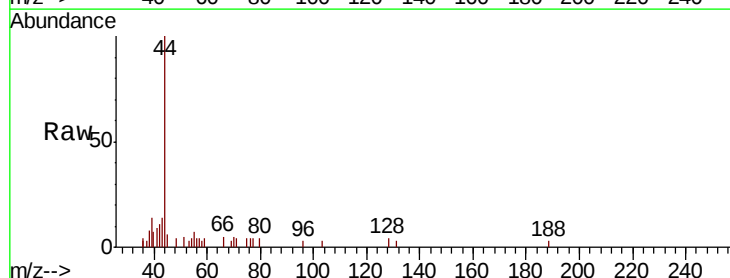
Acq: 11 Dec 2018 13:32

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 96.6 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

300

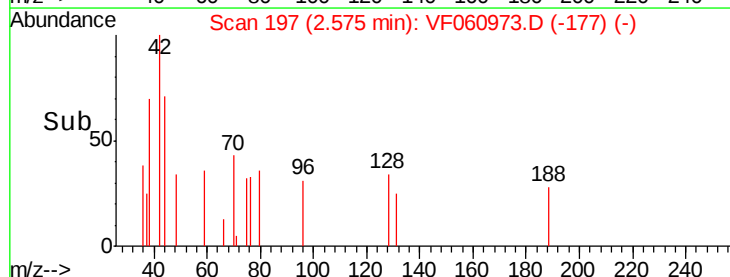
200

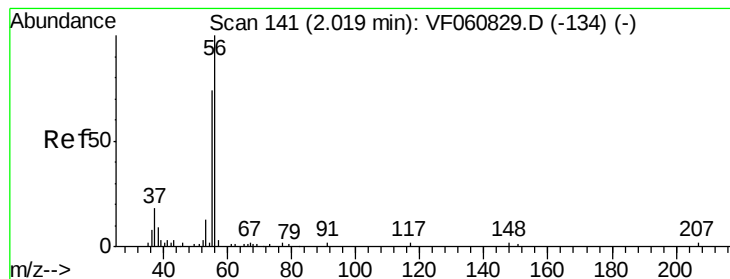
100

0

2.54 2.56 2.58 2.60

Time-->





#13

Acrolein

Concen: 5.152 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.04 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

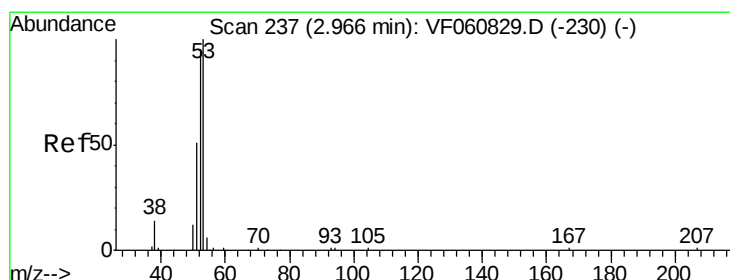
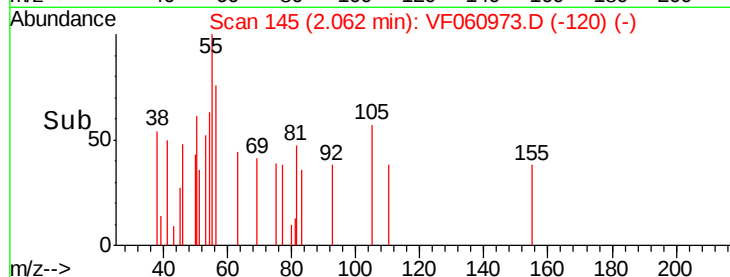
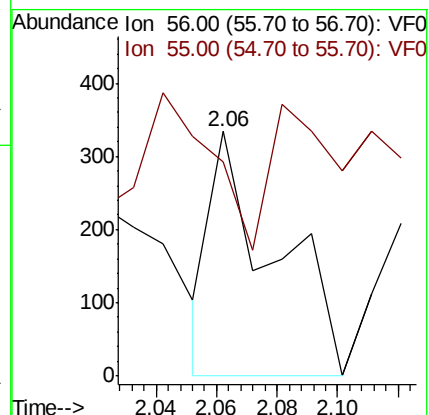
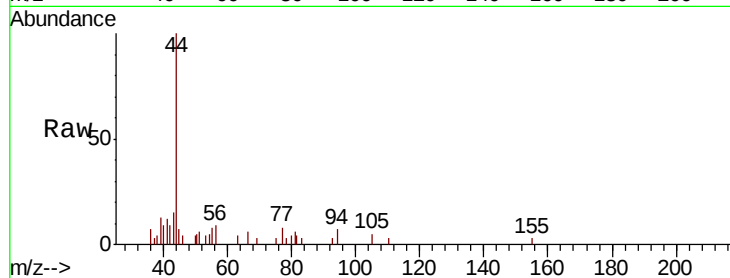
VF1211SBL01

Tot Ion: 56 Resp: 492

Ion Ratio Lower Upper

56 100

55 87.4 61.2 91.8



#15

Acrylonitrile

Concen: 5.125 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

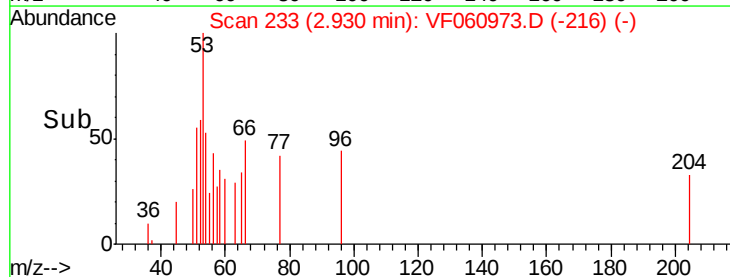
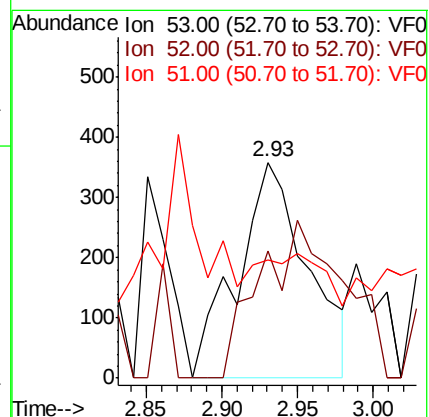
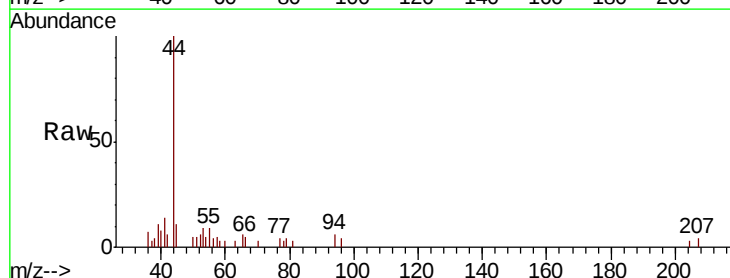
Tgt Ion: 53 Resp: 1158

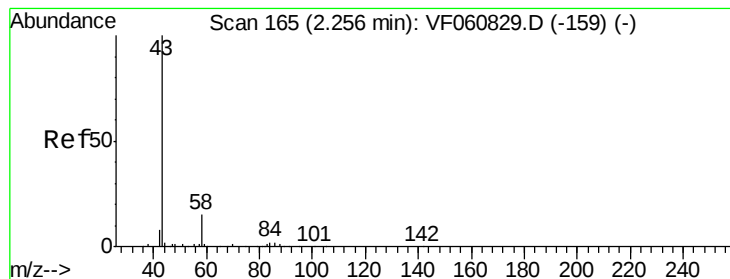
Ion Ratio Lower Upper

53 100

52 59.2 76.5 114.7#

51 54.7 40.7 61.1





#16

Acetone

Concen: 3.791 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.12 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

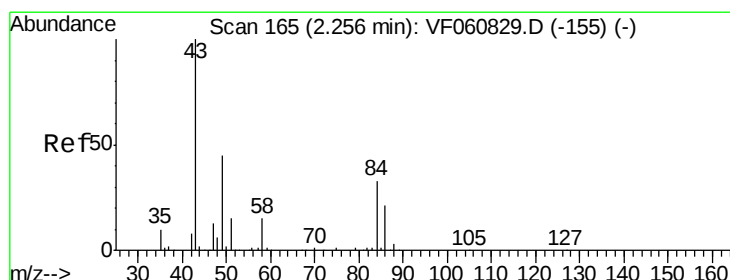
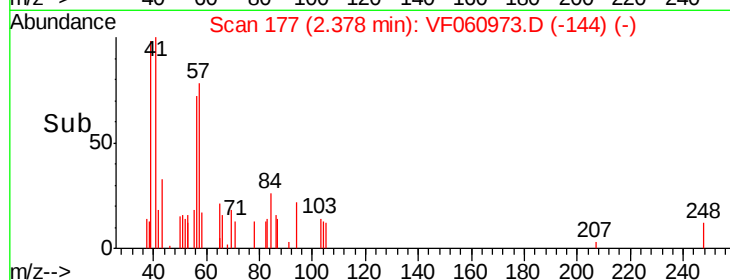
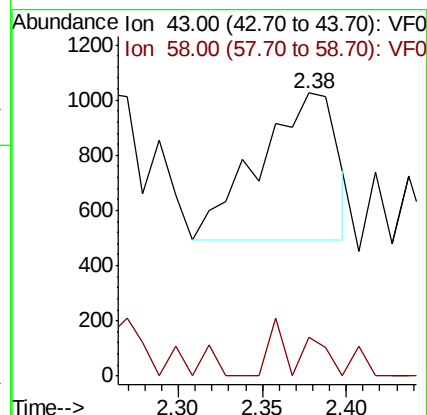
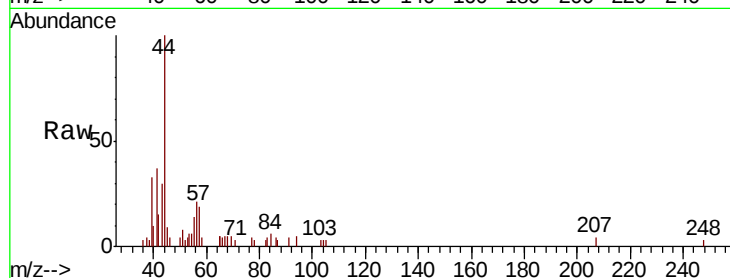
VF1211SBL01

Tot Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

58 13.9 11.4 17.2



#20

Methylene Chloride

Concen: 3.281 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Tgt Ion: 84 Resp: 5458

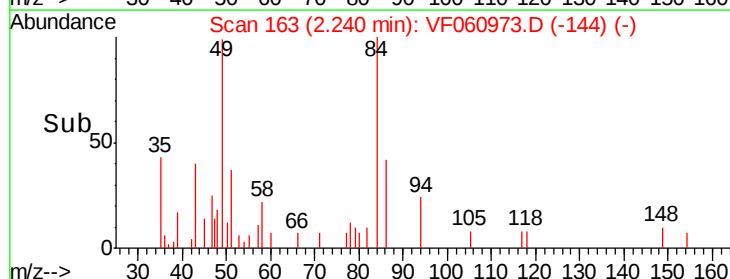
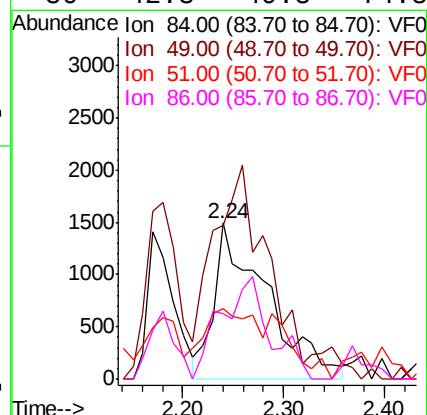
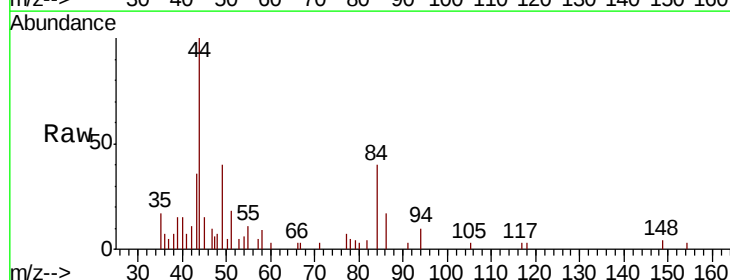
Ion Ratio Lower Upper

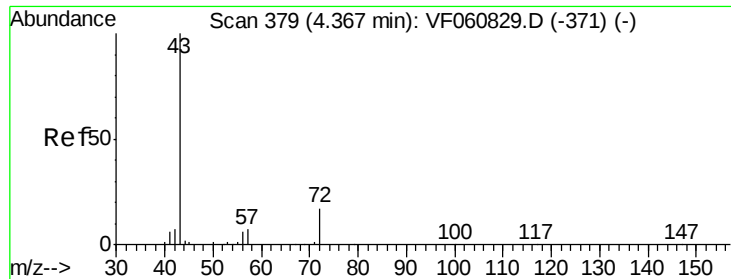
84 100

49 99.1 111.3 166.9#

51 44.9 38.0 57.0

86 42.3 49.8 74.8#





#25

2-Butanone

Concen: 1.866 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

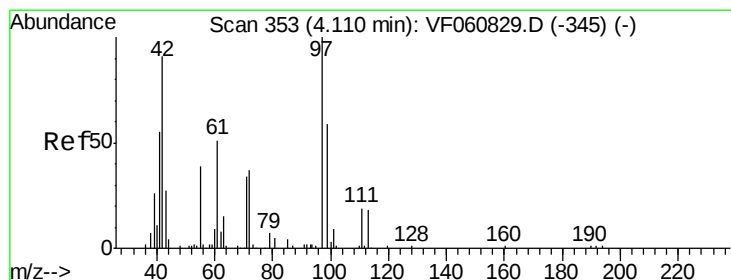
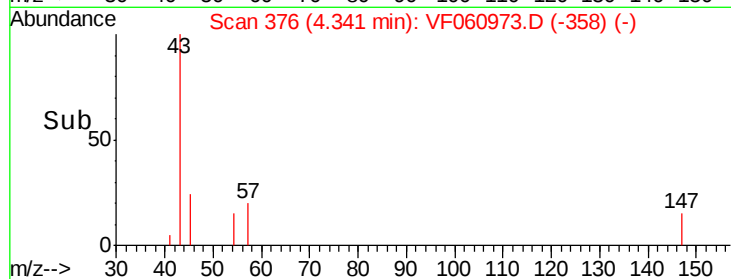
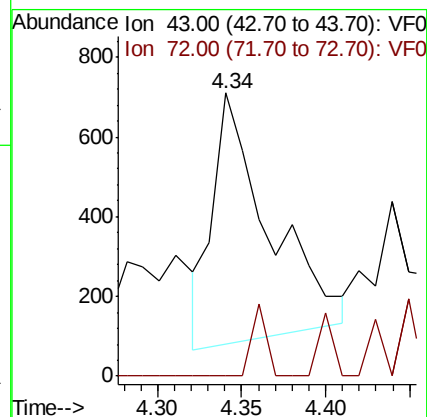
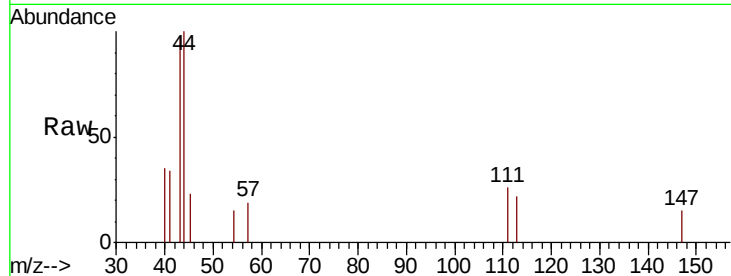
VF1211SBL01

Tot Ion: 43 Resp: 1463

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 1.411 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

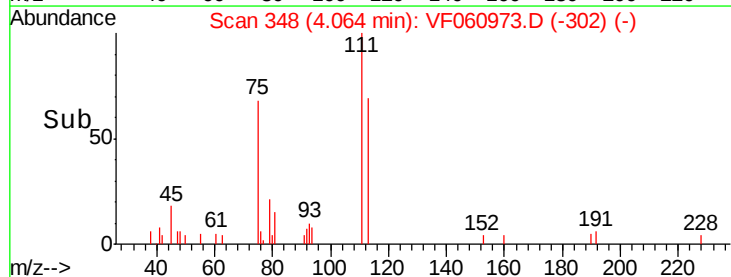
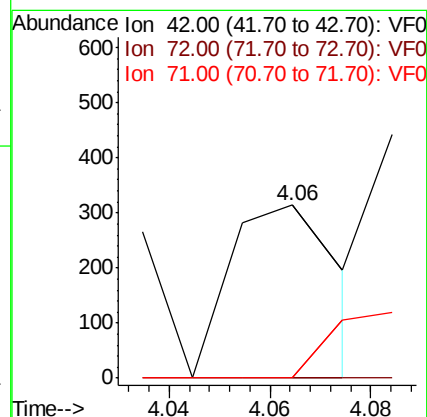
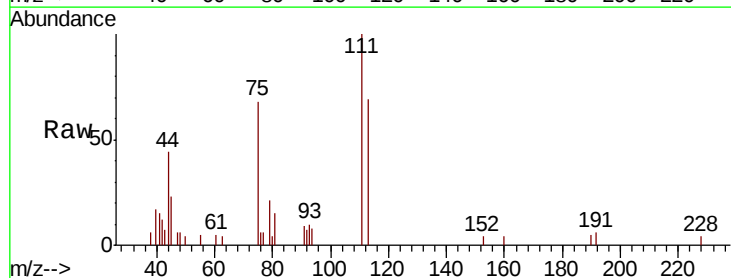
Tgt Ion: 42 Resp: 469

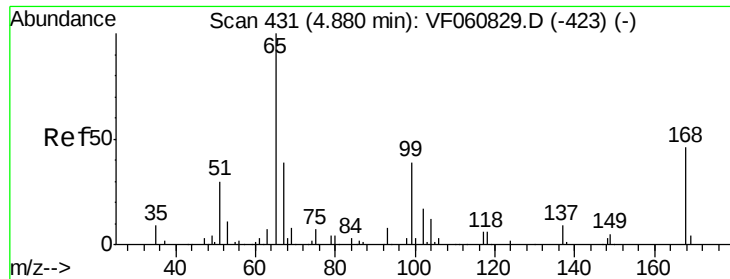
Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 42.0 28.7 43.1





#33

1,2-Dichloroethane-d4

Concen: 49.516 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

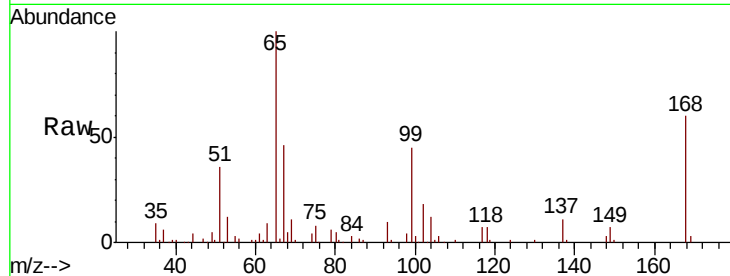
VF1211SBL01

Tot Ion: 65 Resp: 121743

Ion Ratio Lower Upper

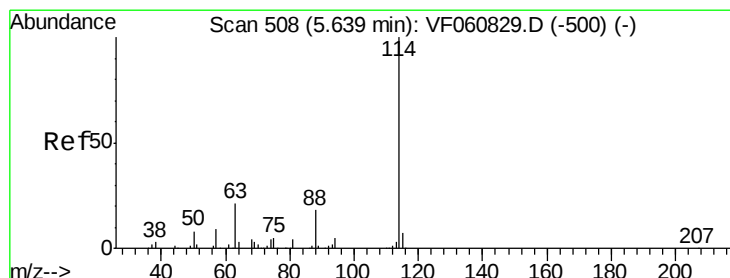
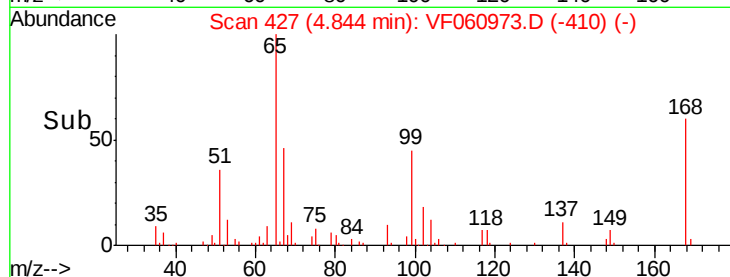
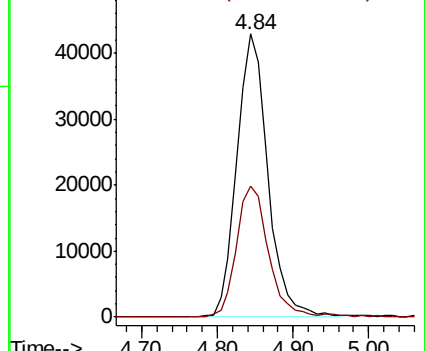
65 100

67 46.5 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: VF060973.D

Acq: 11 Dec 2018 13:32

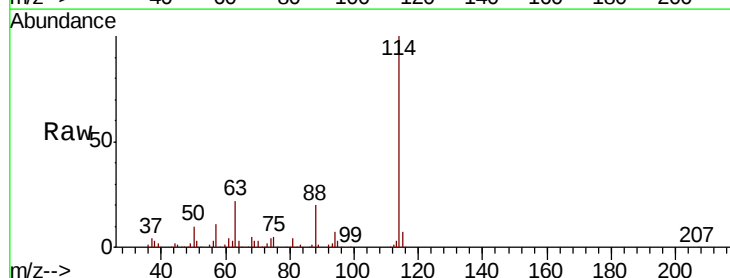
Tgt Ion: 114 Resp: 350898

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.6

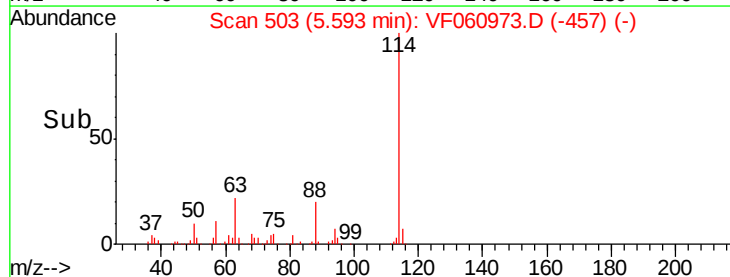
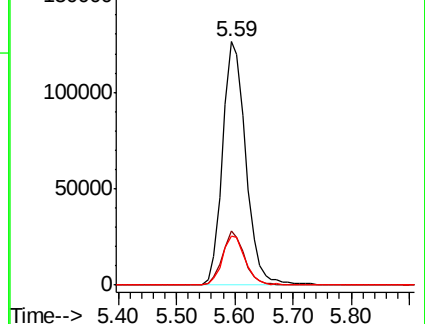
88 20.3 0.0 36.6

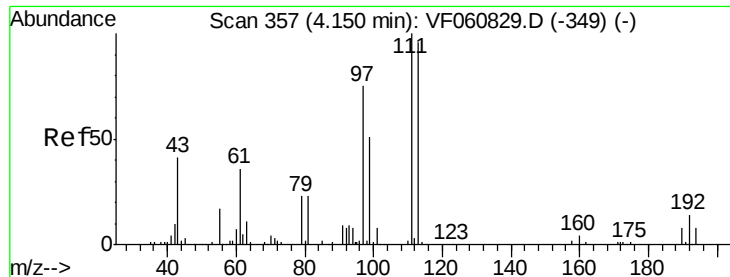


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

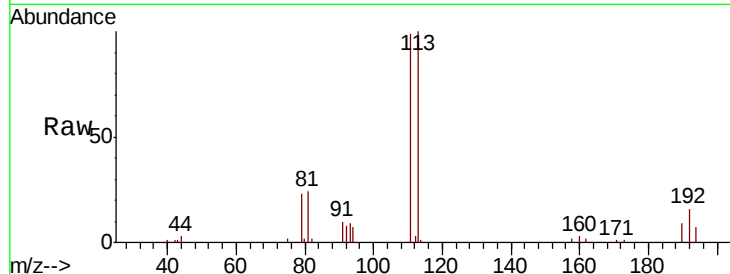




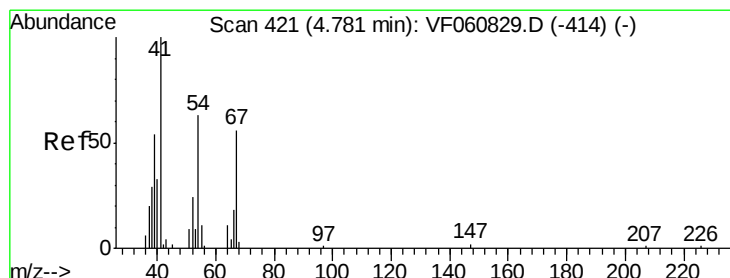
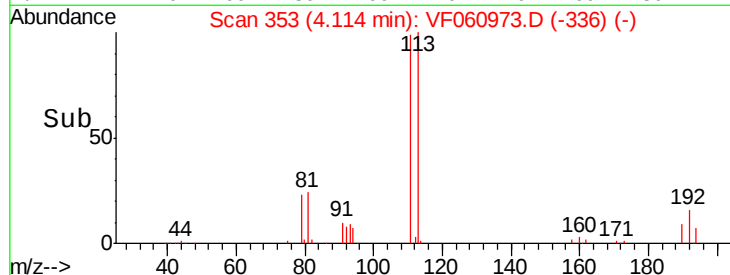
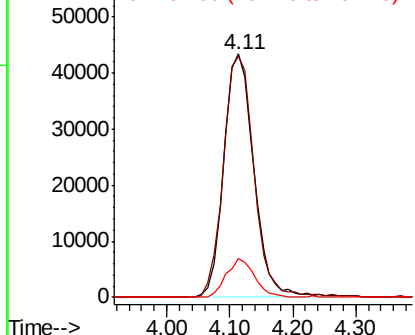
#35
Dibromofluoromethane
Concen: 51.486 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBL01

Tot Ion:113 Resp: 143325
Ion Ratio Lower Upper
113 100
111 98.9 83.0 124.6
192 15.8 12.3 18.5

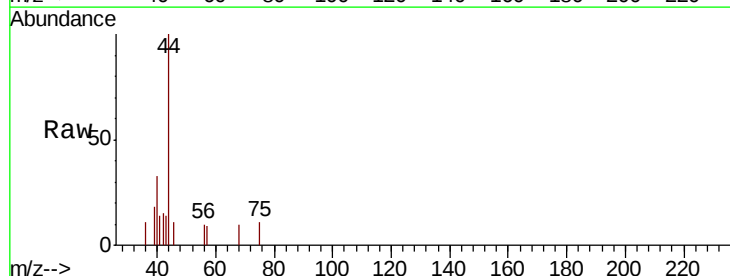


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

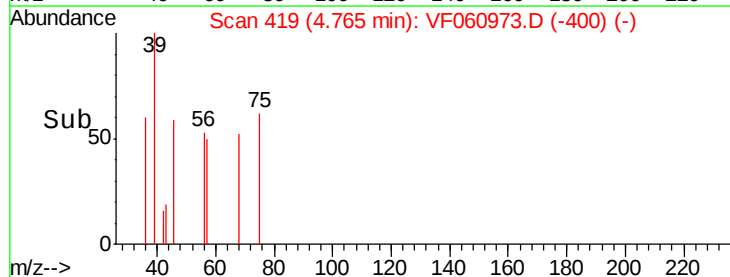
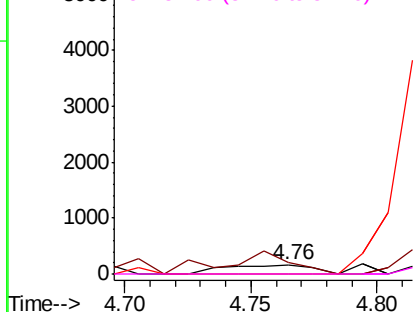


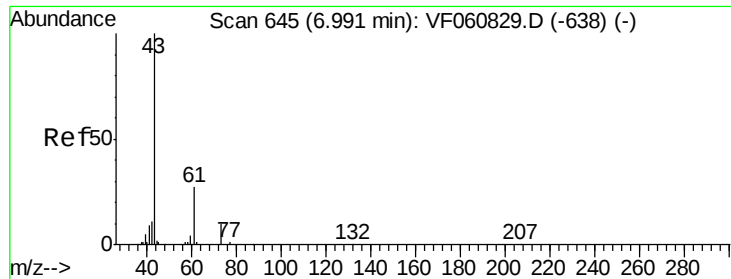
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Tgt Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
39 129.5 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



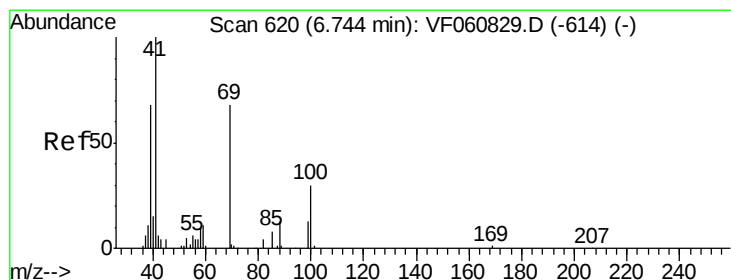
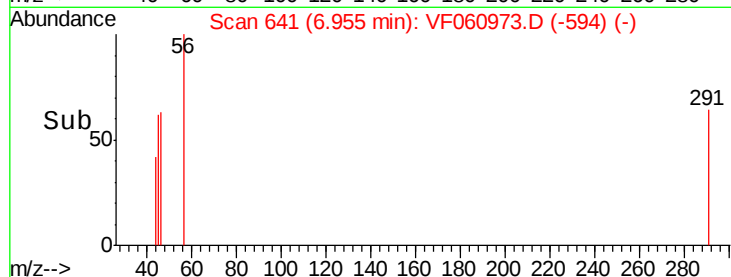
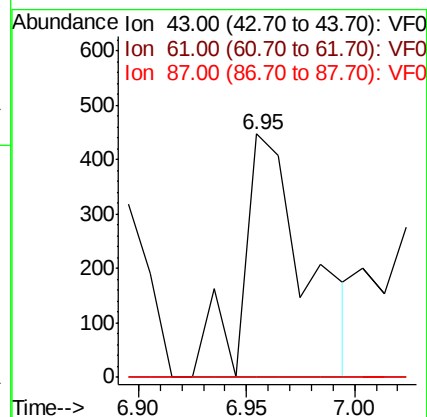
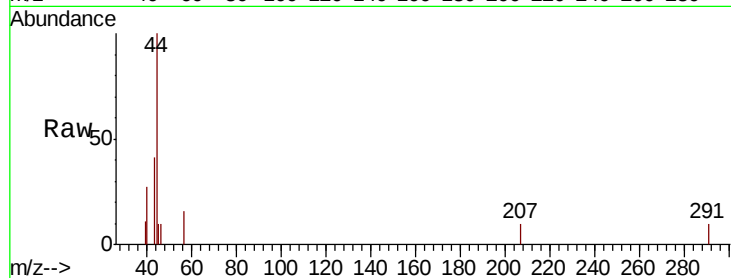


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF060973.D
 Acq: 11 Dec 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBL01

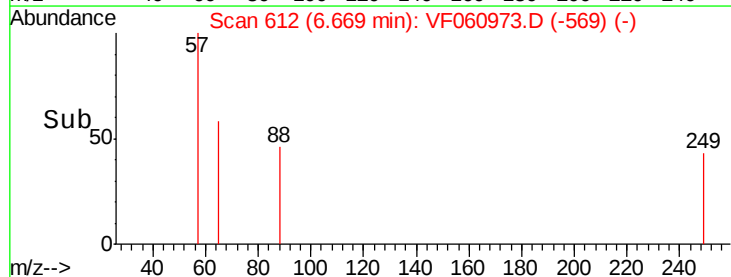
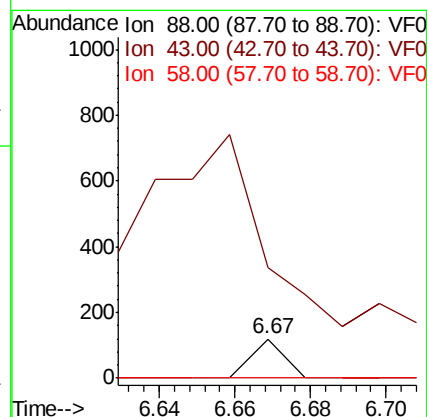
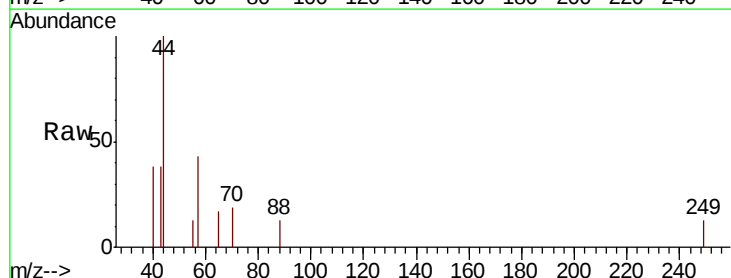
Tot Ion: 43 Resp: 916
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

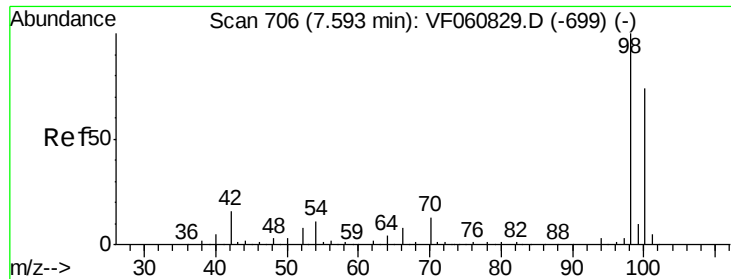


#49

1,4-Dioxane
 Concen: 6.776 ug/l
 RT: 6.67 min Scan# 612
 Delta R.T. -0.08 min
 Lab File: VF060973.D
 Acq: 11 Dec 2018 13:32

Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 43 280.8 42.0 63.0#
 58 0.0 61.8 92.8#

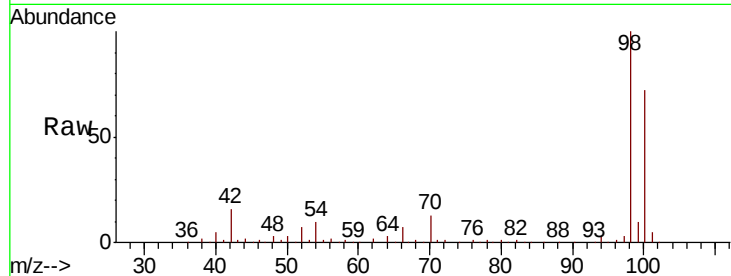




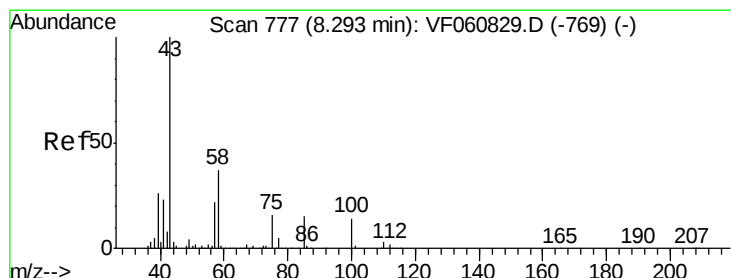
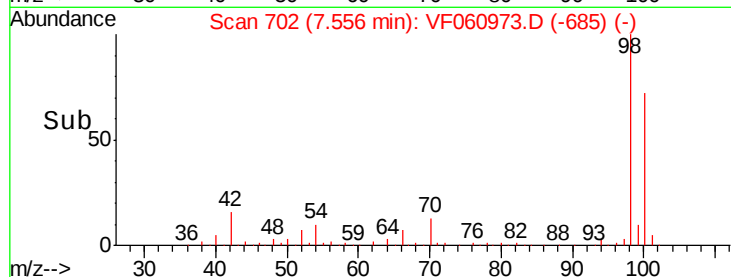
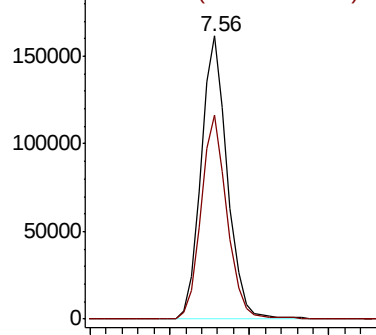
#50
Toluene-d8
Concen: 45.531 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBL01

Tot Ion: 98 Resp: 373359
Ion Ratio Lower Upper
98 100
100 71.9 59.3 88.9

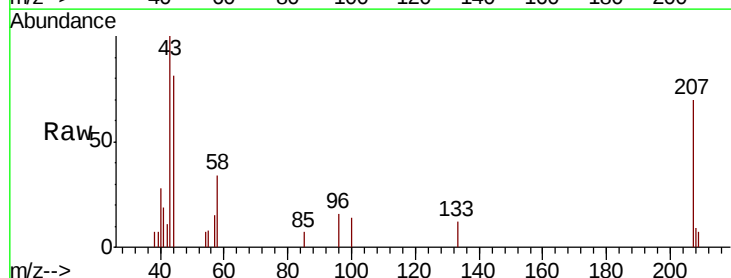


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

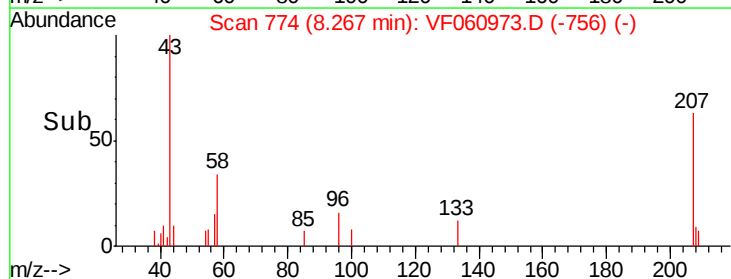
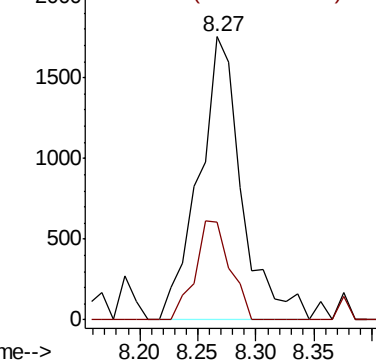


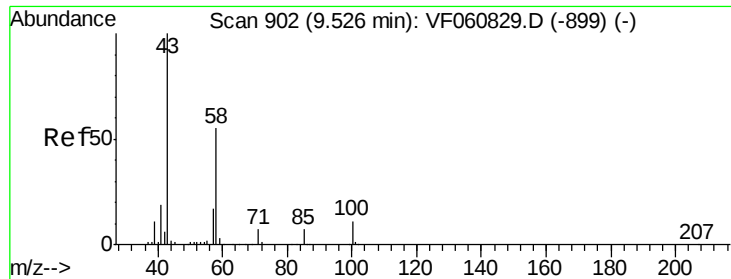
#51
4-Methyl-2-Pentanone
Concen: 3.066 ug/l
RT: 8.27 min Scan# 774
Delta R.T. -0.03 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Tgt Ion: 43 Resp: 4472
Ion Ratio Lower Upper
43 100
58 34.4 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

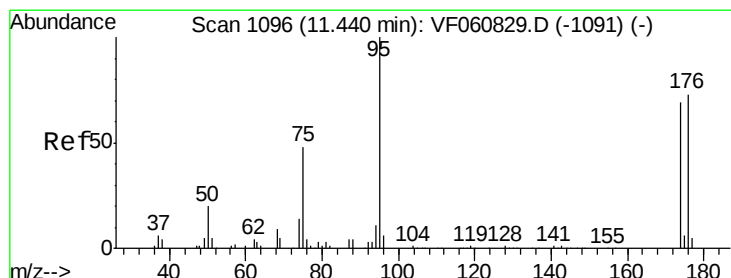
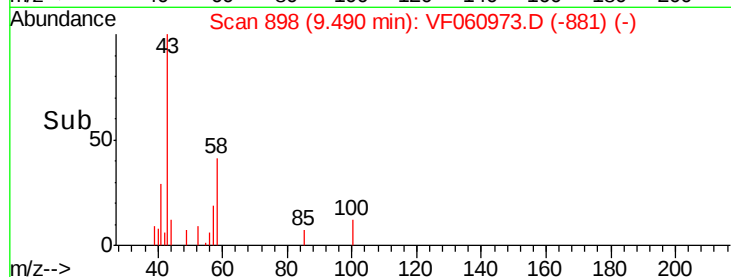
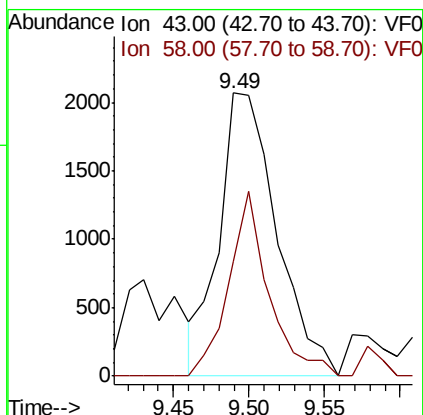
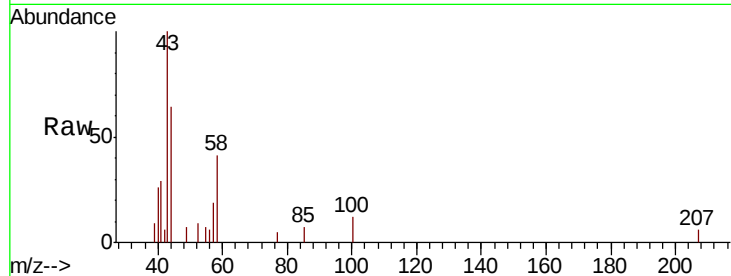




#59
2-Hexanone
Concen: 5.364 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

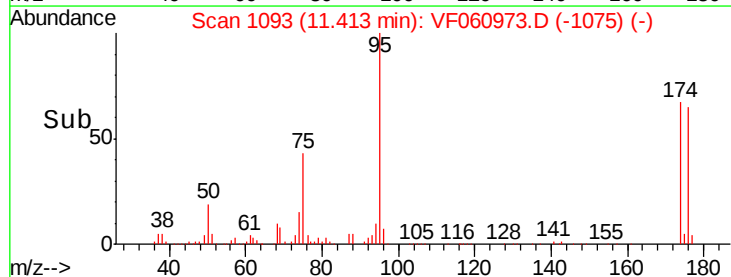
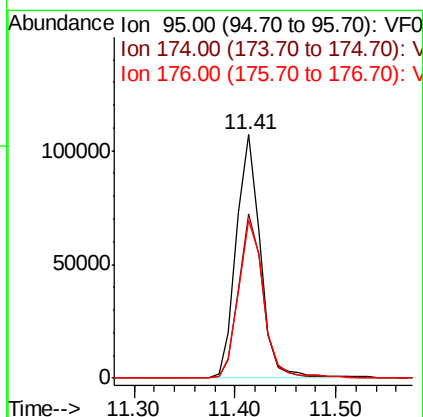
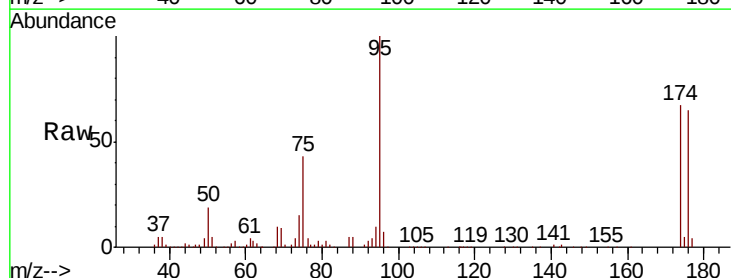
Instrument :
MSVOA_F
ClientSampleId :
VF1211SBL01

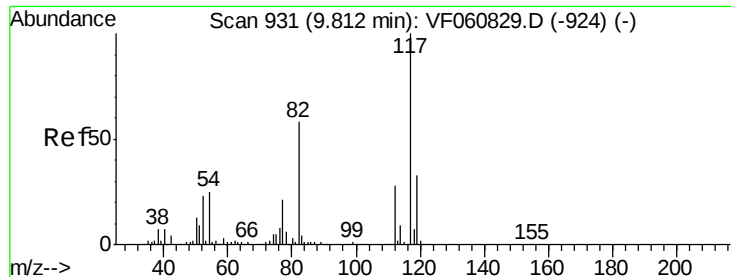
Tot Ion: 43 Resp: 5489
Ion Ratio Lower Upper
43 100
58 40.5 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 47.739 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Tgt Ion: 95 Resp: 177917
Ion Ratio Lower Upper
95 100
174 67.3 0.0 138.2
176 64.6 0.0 146.2

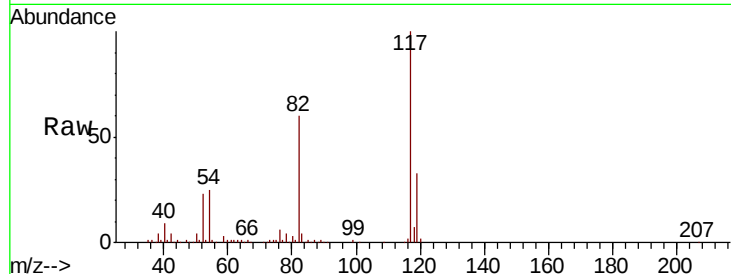




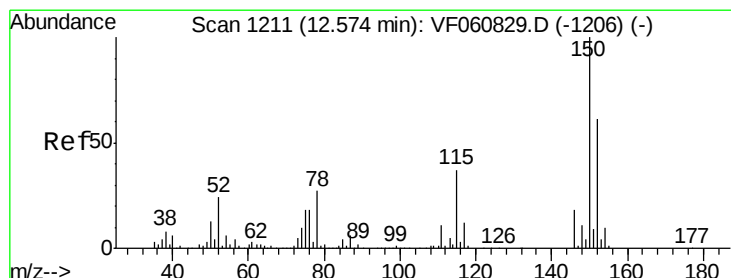
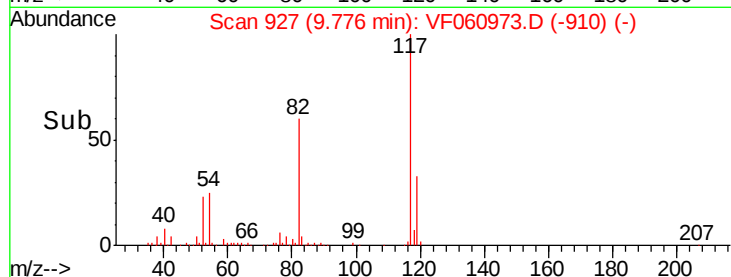
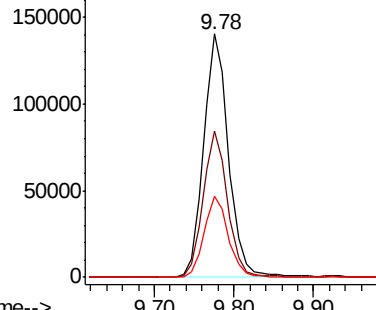
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.6	69.8
119	33.1	26.4	39.6

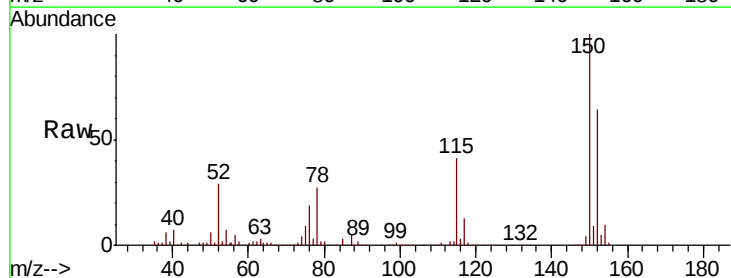


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

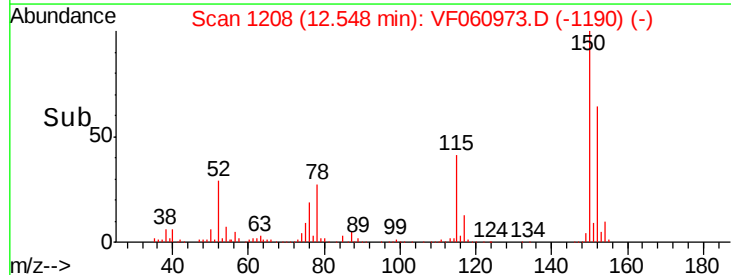
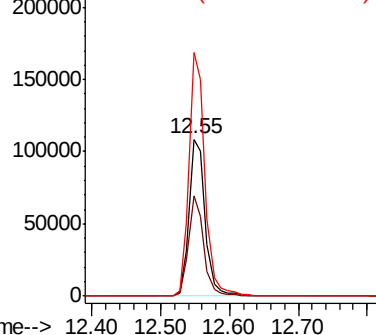


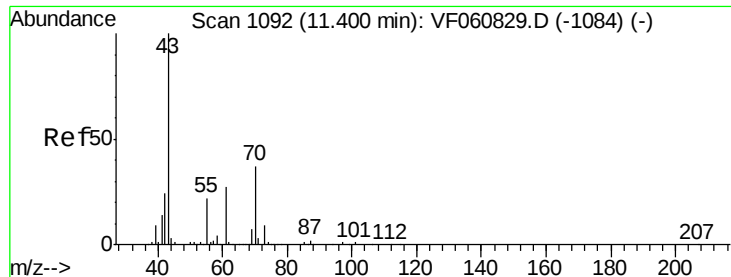
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060973.D
Acq: 11 Dec 2018 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	30.1	90.5
150	155.4	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: 1.733 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Instrument :

MSVOA_F

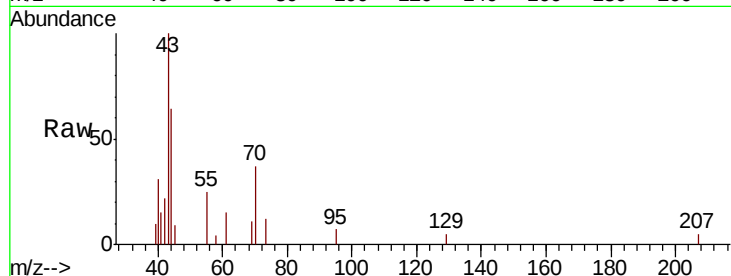
ClientSampleId :

VF1211SBL01

Tot Ion: 43 Resp: 5599

Ion Ratio Lower Upper

43	100		
70	37.2	29.6	44.4
55	24.7	17.2	25.8
61	15.4	21.8	32.6#

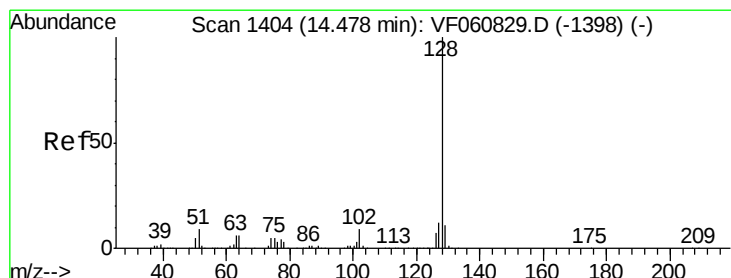
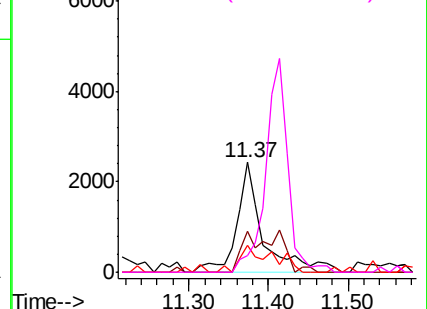
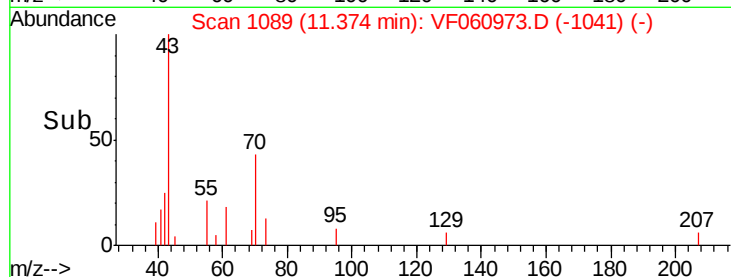


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 14.46 min Scan# 1402

Delta R.T. -0.02 min

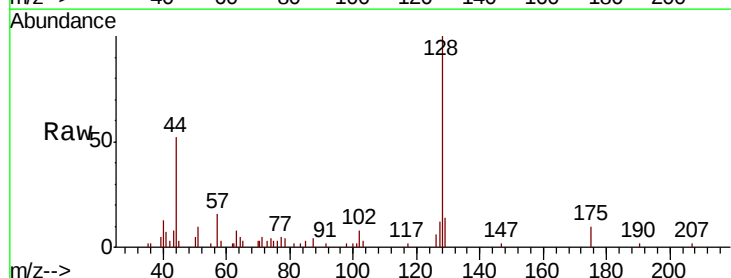
Lab File: VF060973.D

Acq: 11 Dec 2018 13:32

Tgt Ion:128 Resp: 9552

Ion Ratio Lower Upper

128	100		
127	11.8	9.9	14.9
129	13.8	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

