

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059491.D
 Acq On : 10 Jul 2018 18:24
 Operator : VA/AP
 Sample : J3879-16RE
 Misc : 4.78g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 11 00:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

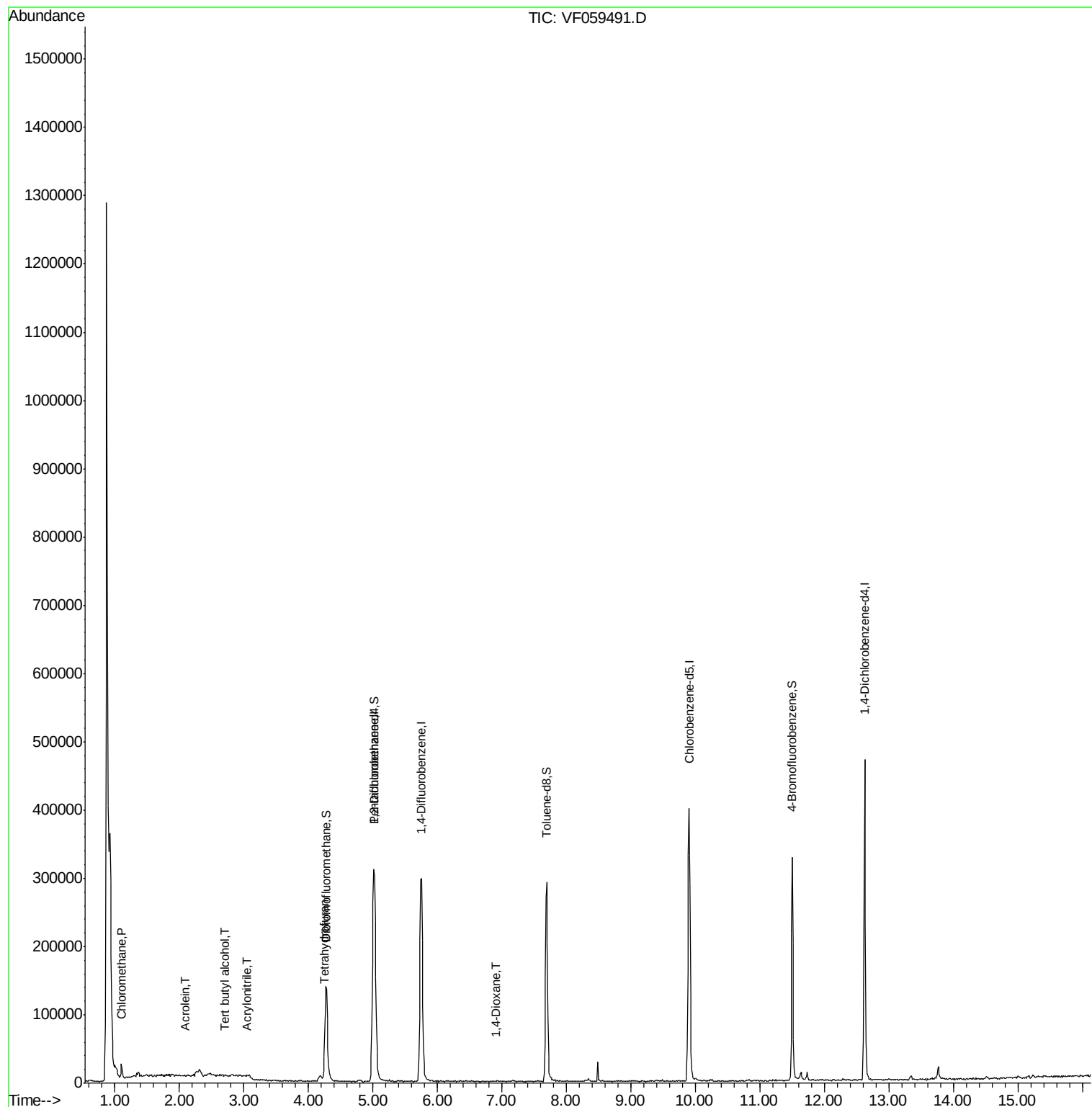
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	209961	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	306242	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.90	117	261833	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	112276	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	140071	38.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.72%	
35) Dibromofluoromethane	4.28	113	123564	42.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	84.10%	
50) Toluene-d8	7.70	98	231877	33.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	67.08%	
62) 4-Bromofluorobenzene	11.50	95	104415	27.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	54.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.11	50	1866	1.279	ug/l #	42
11) Tert butyl alcohol	2.70	59	590	3.546	ug/l #	1
13) Acrolein	2.09	56	558	4.329	ug/l #	58
15) Acrylonitrile	3.05	53	708	2.331	ug/l #	63
20) Methylene Chloride	2.31	84	6082	Below Cal	#	85
29) Tetrahydrofuran	4.25	42	423	1.212	ug/l #	83
49) 1,4-Dioxane	6.91	88	65	9.236	ug/l #	1

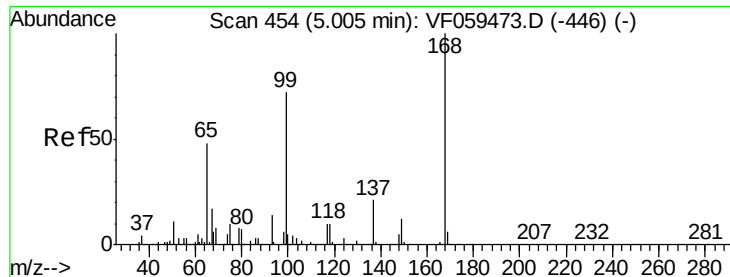
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071018\
Data File : VF059491.D
Acq On : 10 Jul 2018 18:24
Operator : VA/AP
Sample : J3879-16RE
Misc : 4.78g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 11 00:57:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 06:35:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF059491.D

Acq: 10 Jul 2018 18:24

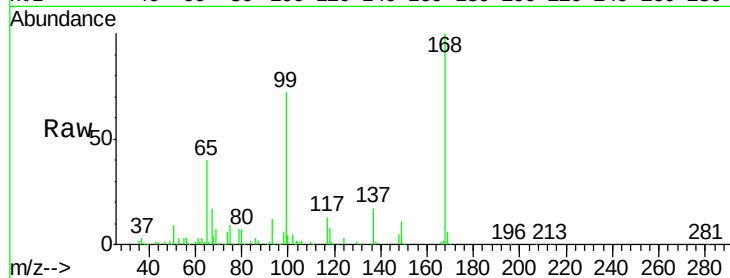
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 209961

Ion Ratio Lower Upper

168 100

99 71.6 57.7 86.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

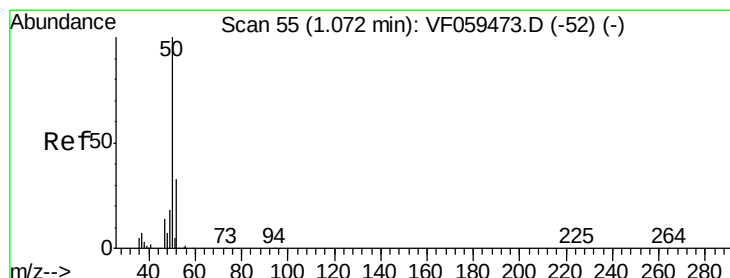
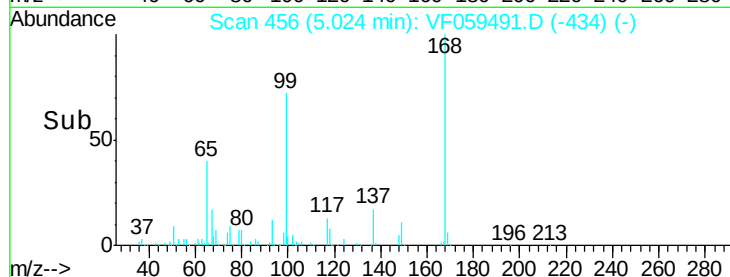
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.279 ug/l

RT: 1.11 min Scan# 59

Delta R.T. 0.04 min

Lab File: VF059491.D

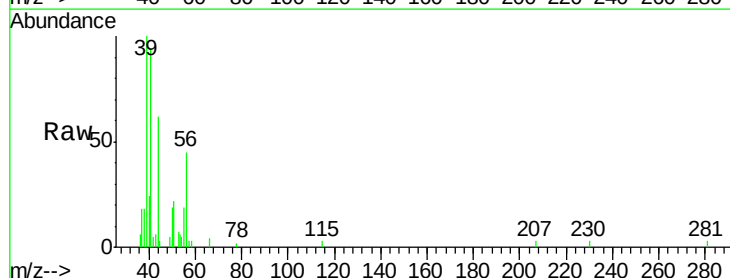
Acq: 10 Jul 2018 18:24

Tgt Ion: 50 Resp: 1866

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

1000

800

600

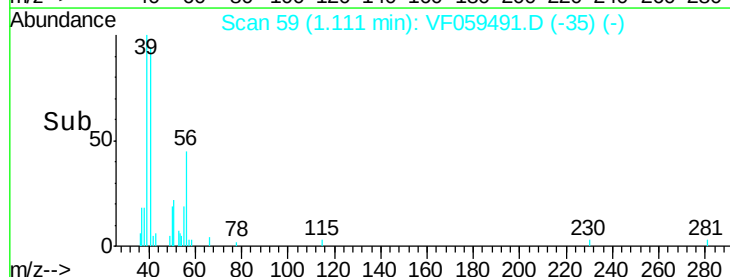
400

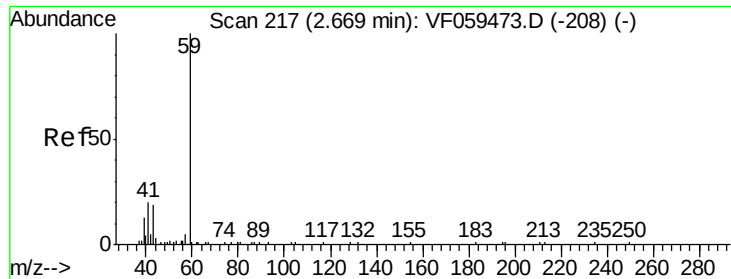
200

0

Time-->

1.05 1.10 1.15



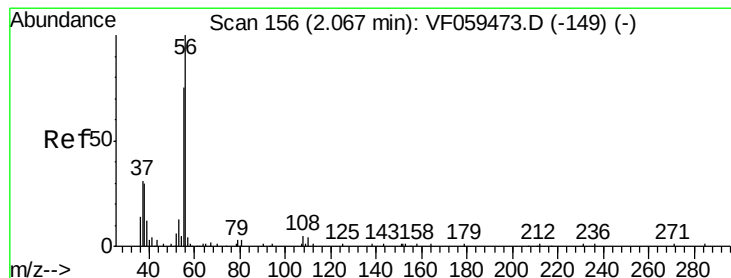
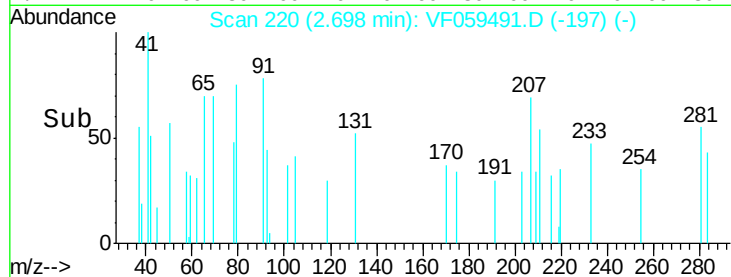
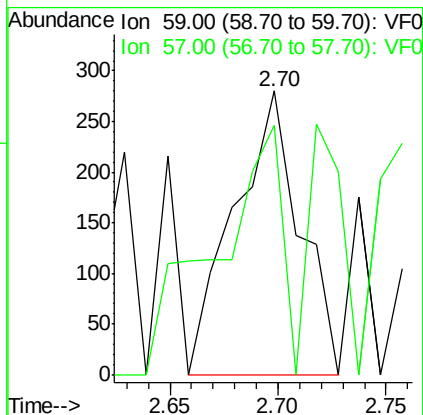
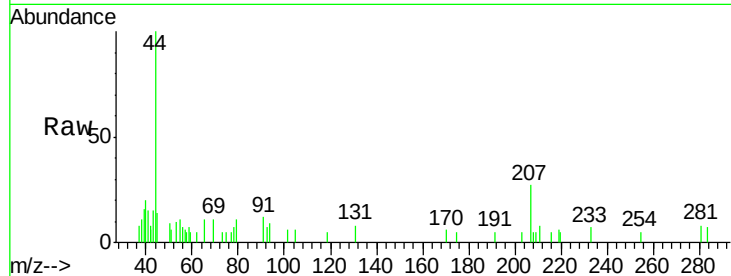


#11

Tert butyl alcohol
Concen: 3.546 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.03 min
Lab File: VF059491.D
Acq: 10 Jul 2018 18:24

Instrument :
MSVOA_F
ClientSampleId :

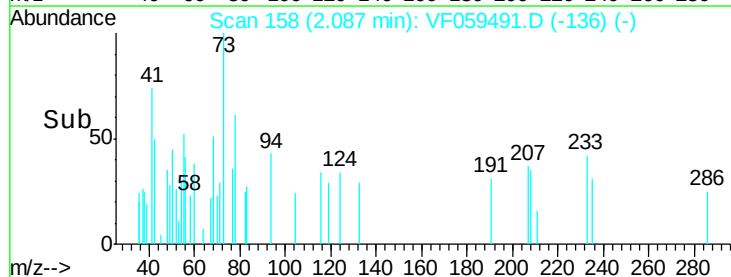
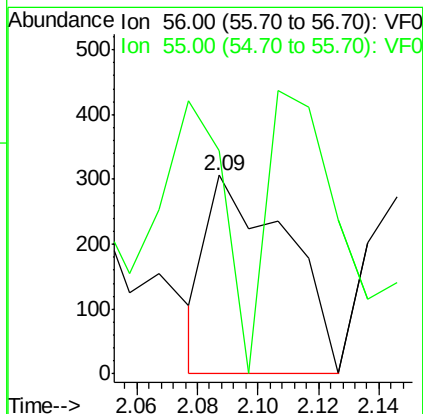
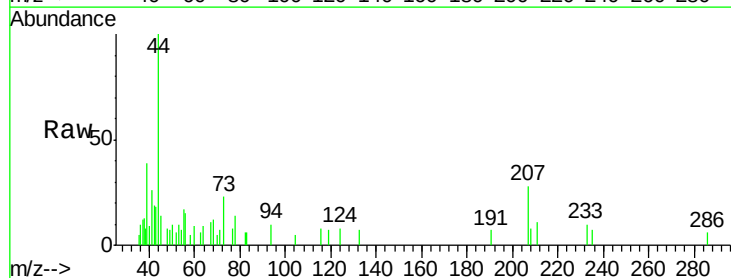
Tot Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 87.9 7.8 11.8#

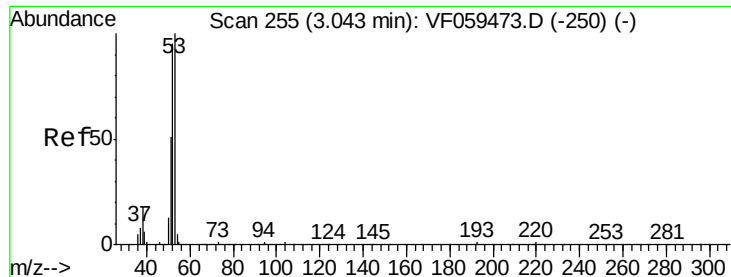


#13

Acrolein
Concen: 4.329 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF059491.D
Acq: 10 Jul 2018 18:24

Tgt Ion: 56 Resp: 558
Ion Ratio Lower Upper
56 100
55 112.4 61.2 91.8#





#15

Acrylonitrile

Concen: 2.331 ug/l

RT: 3.05 min Scan# 256

Delta R.T. 0.01 min

Lab File: VF059491.D

Acq: 10 Jul 2018 18:24

Instrument :
MSVOA_F
ClientSampled :

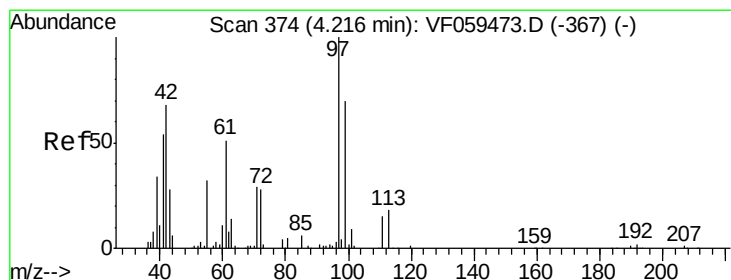
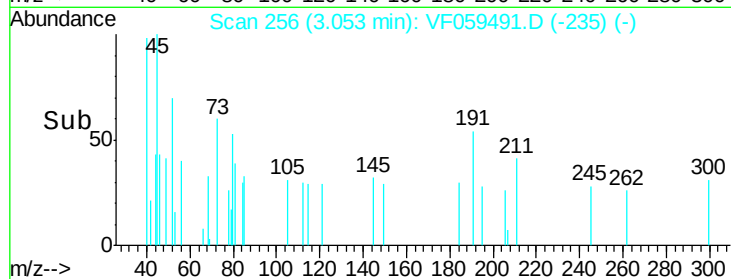
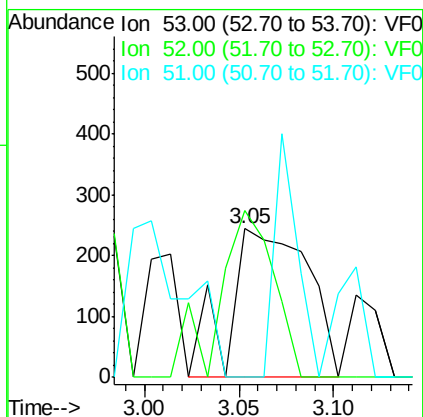
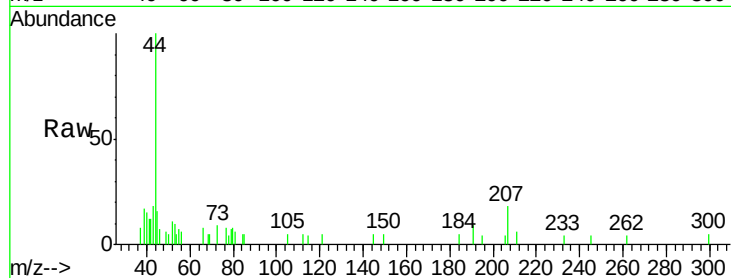
Tot Ion: 53 Resp: 708

Ion Ratio Lower Upper

53 100

52 112.7 76.8 115.2

51 0.0 41.8 62.8#



#29

Tetrahydrofuran

Concen: 1.212 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF059491.D

Acq: 10 Jul 2018 18:24

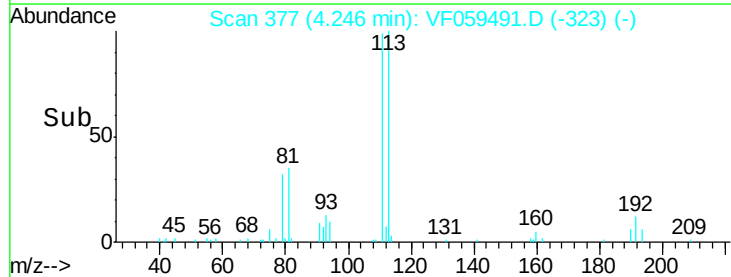
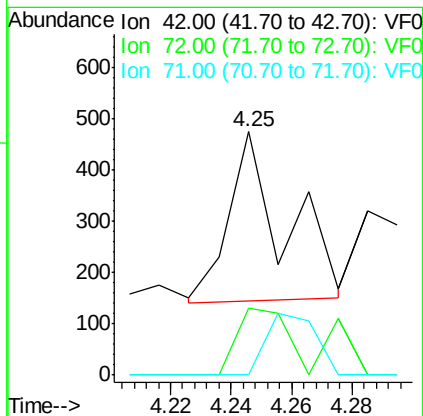
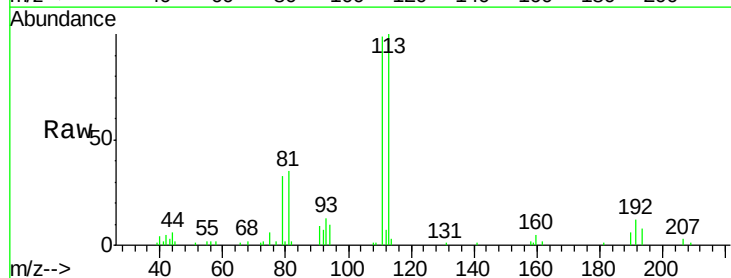
Tgt Ion: 42 Resp: 423

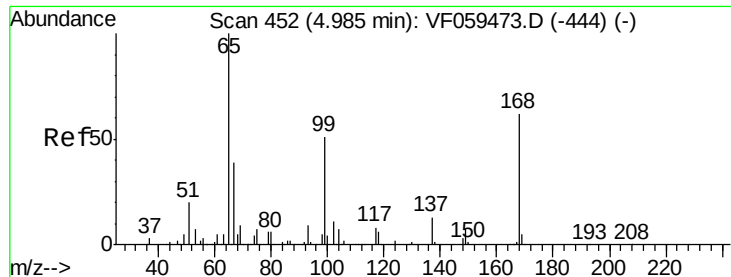
Ion Ratio Lower Upper

42 100

72 50.6 29.2 43.8#

71 31.7 30.1 45.1

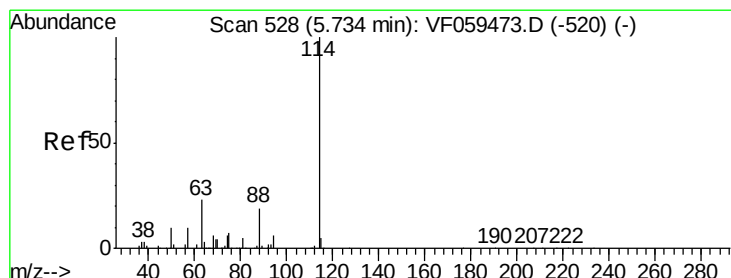
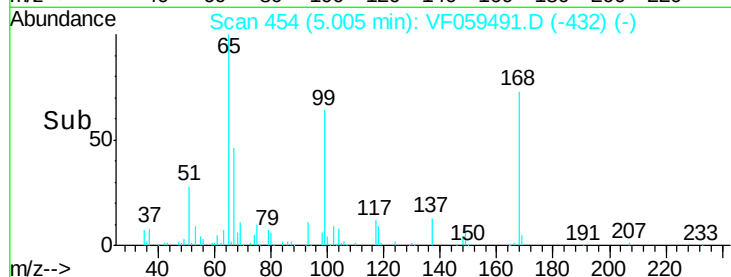
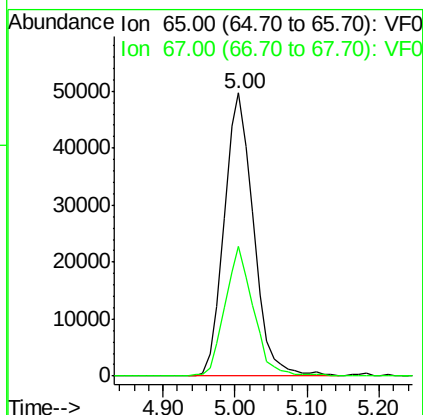
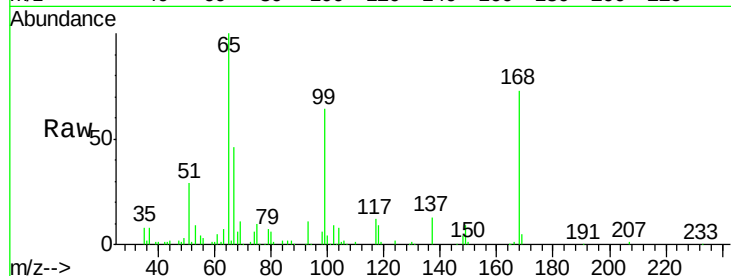




#33
 1,2-Dichloroethane-d4
 Concen: 38.356 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. 0.02 min
 Lab File: VF059491.D
 Acq: 10 Jul 2018 18:24

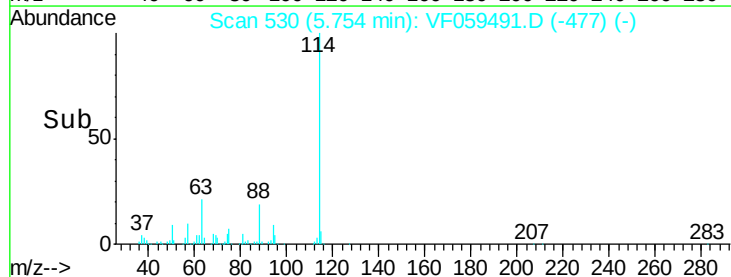
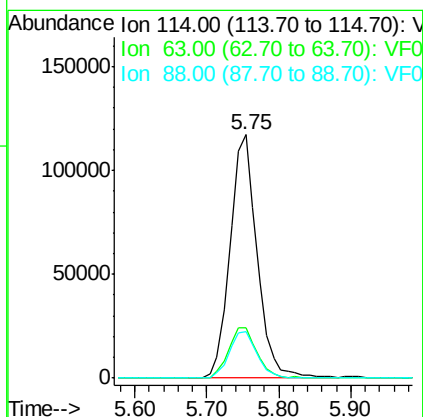
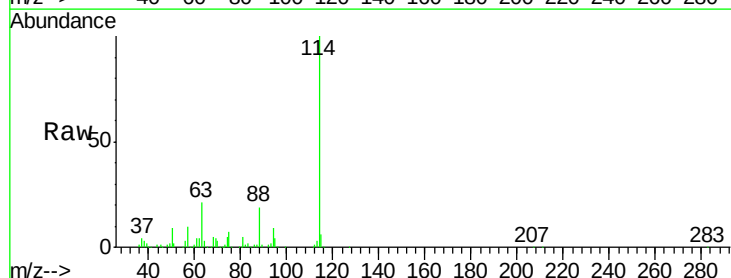
Instrument :
 MSVOA_F
 ClientSampleId :

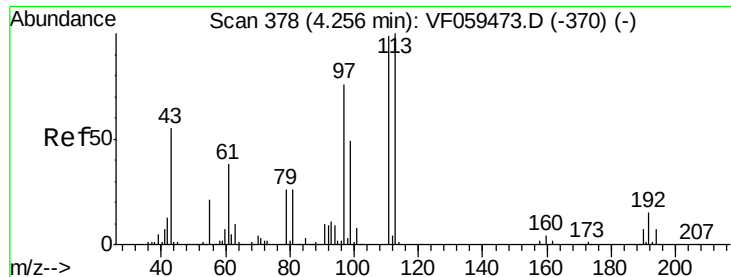
Tot Ion: 65 Resp: 140071
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 88.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VF059491.D
 Acq: 10 Jul 2018 18:24

Tgt Ion: 114 Resp: 306242
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 47.2
 88 19.3 0.0 38.0





#35

Dibromofluoromethane

Concen: 42.051 ug/l

RT: 4.28 min Scan# 380

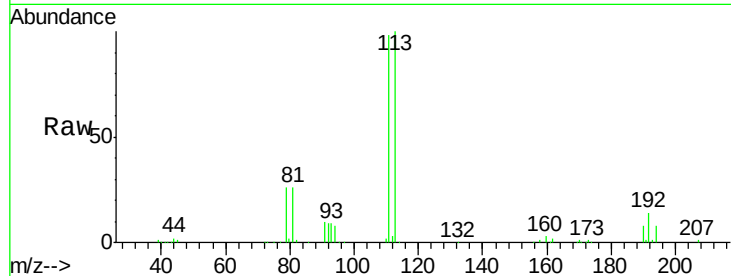
Delta R.T. 0.02 min

Lab File: VF059491.D

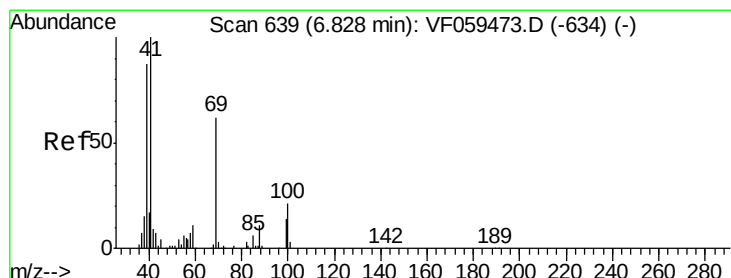
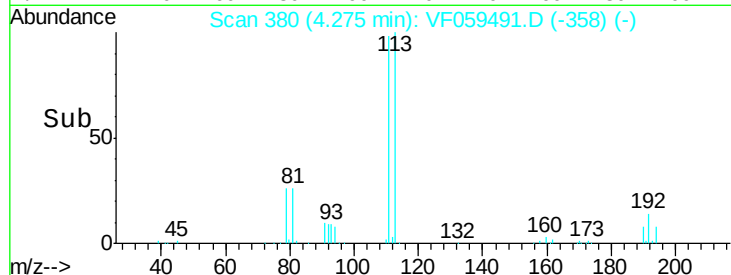
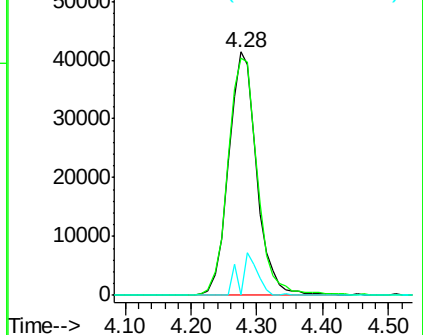
Acq: 10 Jul 2018 18:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113	Resp:	123564
Ion Ratio	Lower	Upper
113	100	
111	97.5	79.3 118.9
192	0.0	12.0 18.0#



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



#49

1,4-Dioxane

Concen: 9.236 ug/l

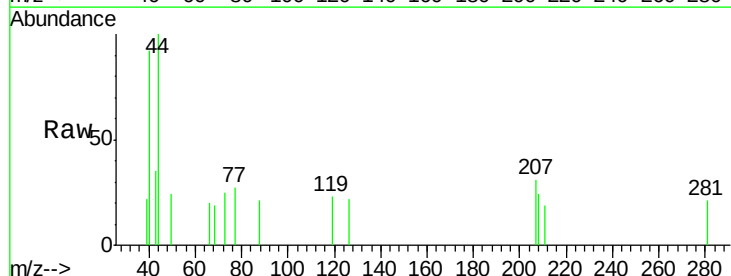
RT: 6.91 min Scan# 647

Delta R.T. 0.08 min

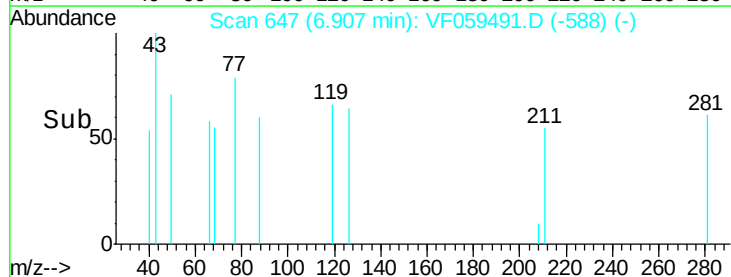
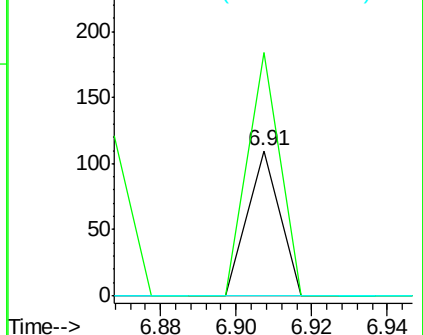
Lab File: VF059491.D

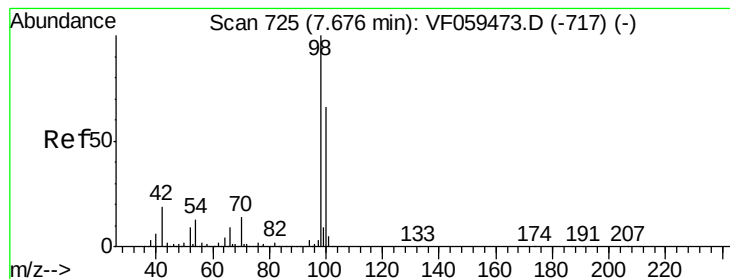
Acq: 10 Jul 2018 18:24

Tgt Ion: 88	Resp:	65
Ion Ratio	Lower	Upper
88	100	
43	167.3	57.3 85.9#
58	0.0	54.6 81.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 33.545 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.02 min

Lab File: VF059491.D

Acq: 10 Jul 2018 18:24

Instrument :

MSVOA_F

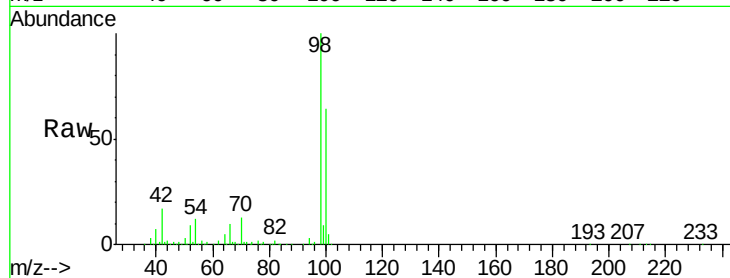
ClientSampleId :

Tot Ion: 98 Resp: 231877

Ion Ratio Lower Upper

98 100

100 64.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

120000

100000

80000

60000

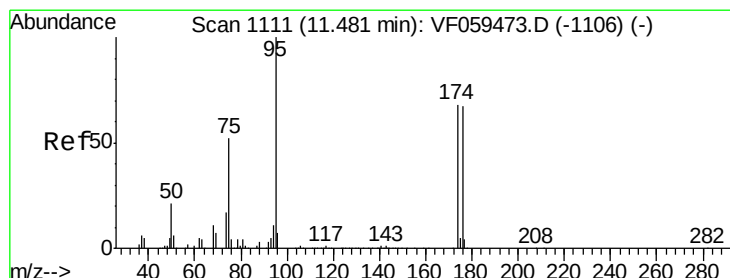
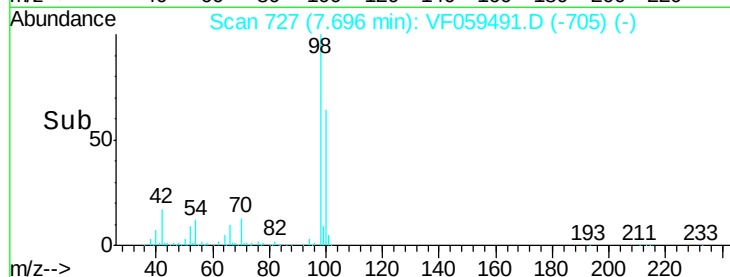
40000

20000

0

7.60 7.70 7.80 7.90

Time-->



#62

4-Bromofluorobenzene

Concen: 27.079 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF059491.D

Acq: 10 Jul 2018 18:24

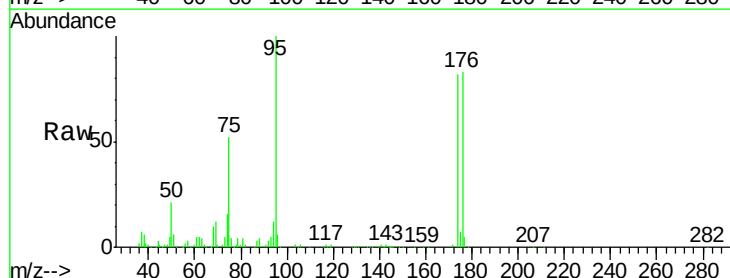
Tgt Ion: 95 Resp: 104415

Ion Ratio Lower Upper

95 100

174 82.5 0.0 137.0

176 83.2 0.0 133.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

80000

60000

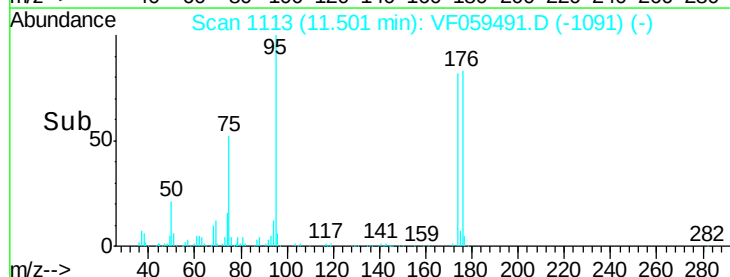
40000

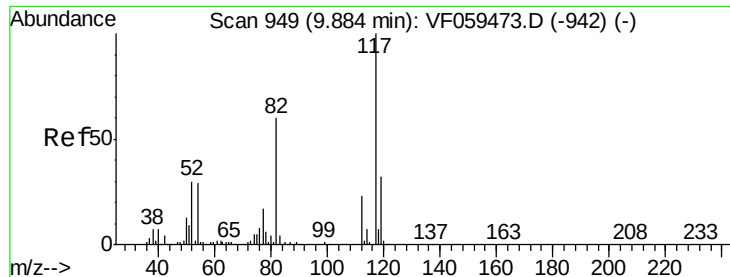
20000

0

11.40 11.50 11.60

Time-->

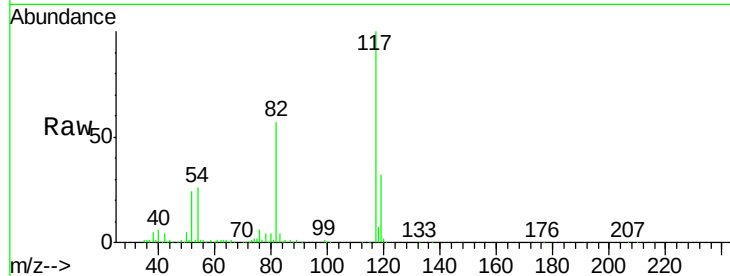




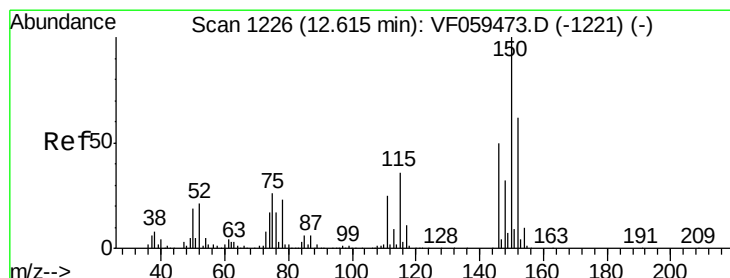
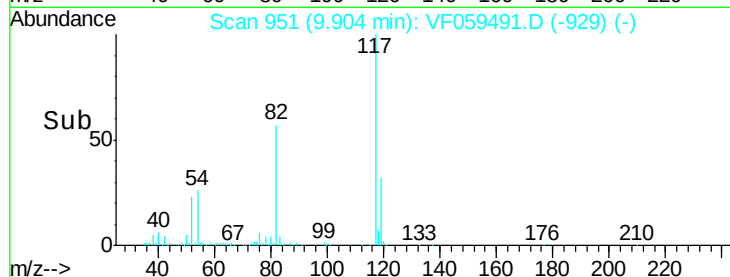
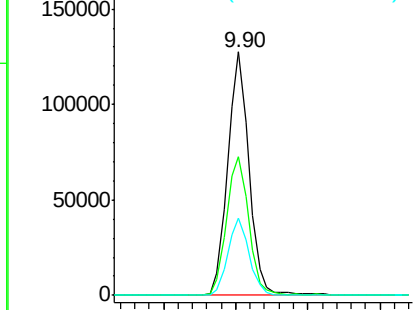
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF059491.D
Acq: 10 Jul 2018 18:24

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 261833
Ion Ratio Lower Upper
117 100
82 57.2 48.2 72.4
119 31.8 25.7 38.5

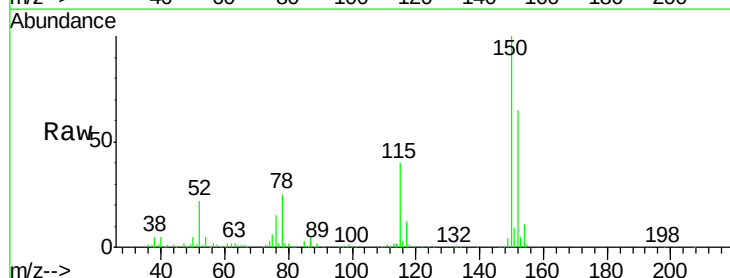


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059491.D
Acq: 10 Jul 2018 18:24

Tgt Ion:152 Resp: 112276
Ion Ratio Lower Upper
152 100
115 61.4 28.7 86.3
150 153.6 0.0 323.8



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

