

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062138.D
 Acq On : 25 Mar 2019 18:18
 Operator : VA/AP
 Sample : K2086-01
 Misc : 6.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-11

Quant Time: Mar 26 04:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

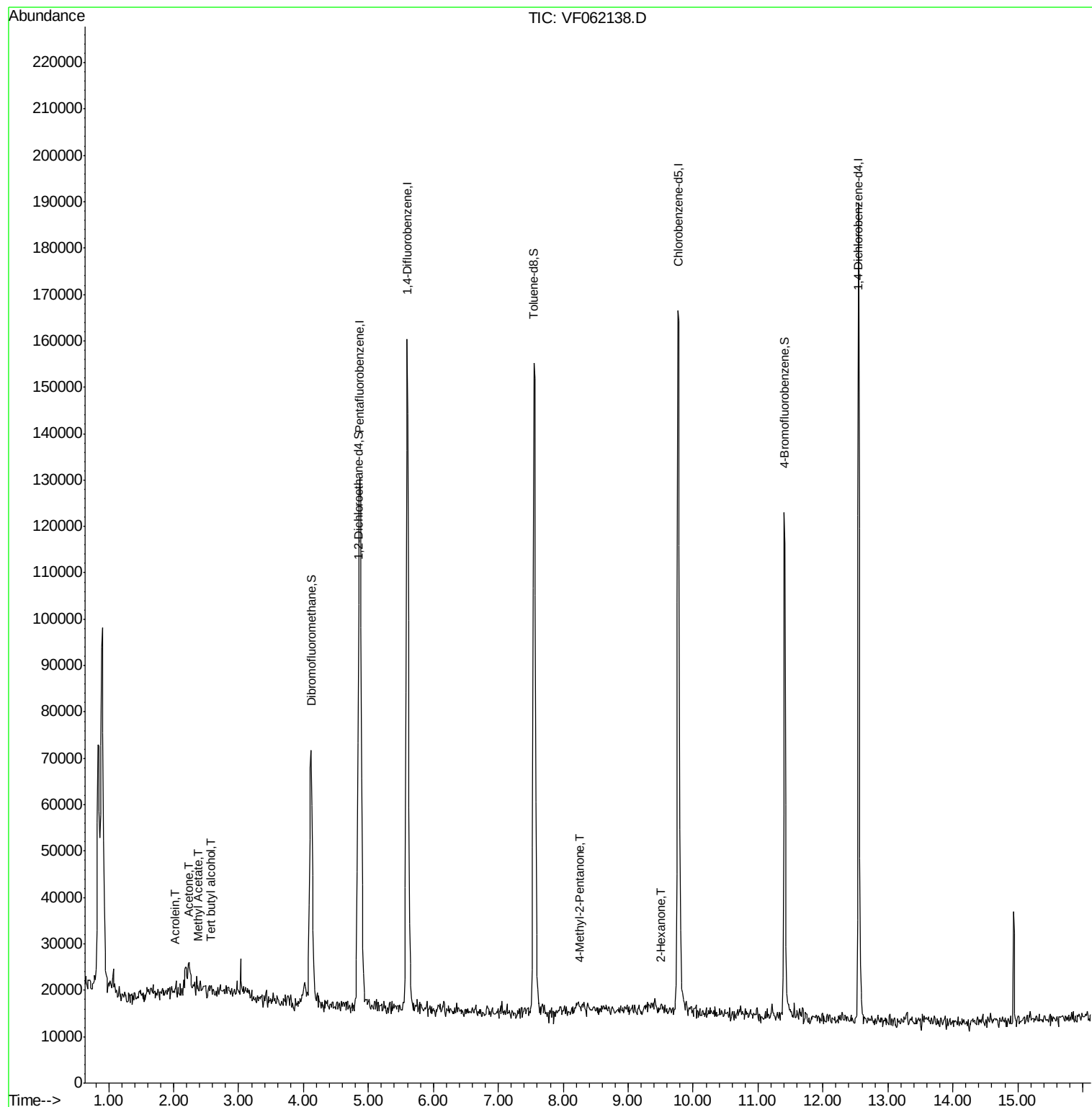
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	122455	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	181863	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	129001	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	50326	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	34009	37.34	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	74.68%	
35) Dibromofluoromethane	4.12	113	54858	44.59	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.18%	
50) Toluene-d8	7.56	98	132762	36.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.30%	
62) 4-Bromofluorobenzene	11.40	95	46109	32.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	65.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.58	59	101	2.015	ug/l #	1
13) Acrolein	2.02	56	95	1.576	ug/l #	1
16) Acetone	2.24	43	6713	35.018	ug/l #	82
18) Methyl Acetate	2.38	43	3442	7.527	ug/l #	56
20) Methylene Chloride	2.17	84	2814	Below Cal	#	80
51) 4-Methyl-2-Pentanone	8.27	43	909	1.481	ug/l #	33
59) 2-Hexanone	9.49	43	937	2.083	ug/l #	22

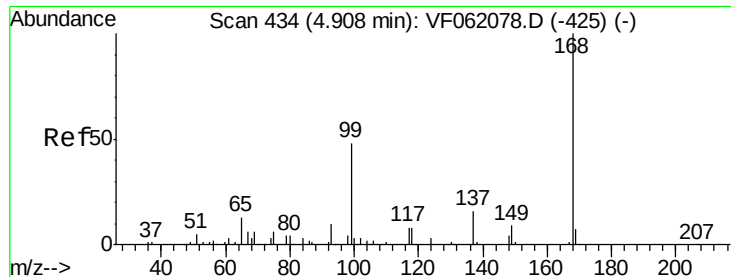
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF062138.D

Acq: 25 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampleId :

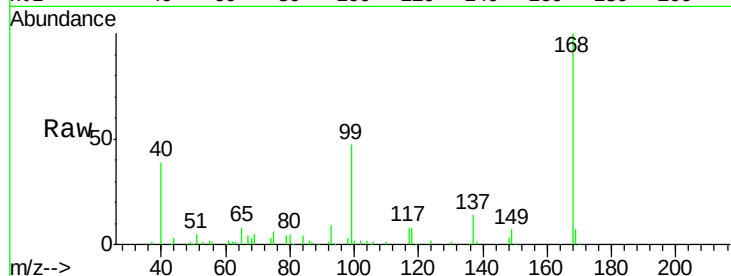
CS-11

Tot Ion:168 Resp: 122455

Ion Ratio Lower Upper

168 100

99 46.7 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

40000

30000

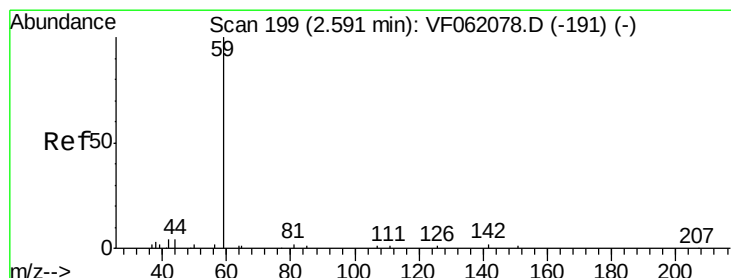
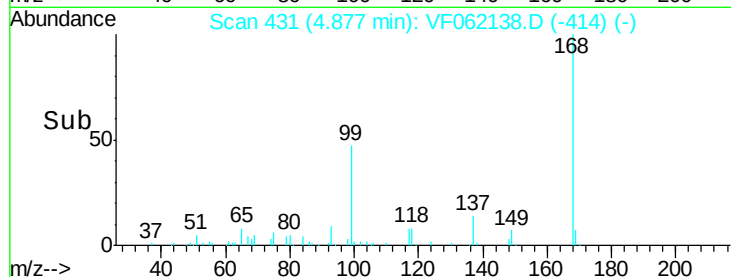
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 2.015 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.01 min

Lab File: VF062138.D

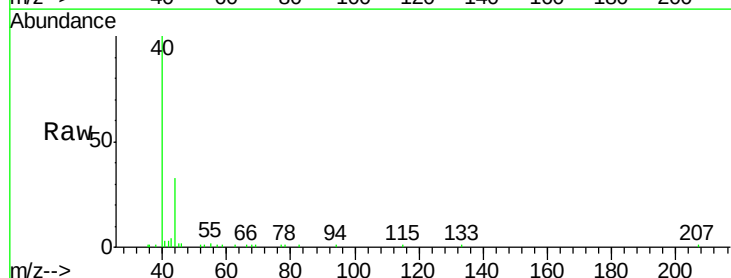
Acq: 25 Mar 2019 18:18

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 79.5 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

200

150

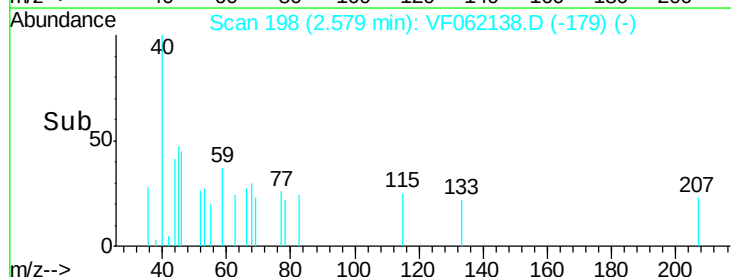
100

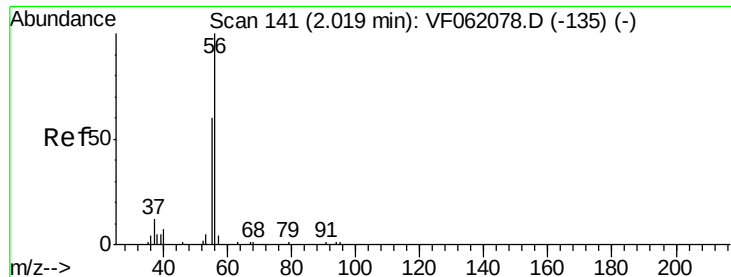
50

0

Time-->

2.56 2.58 2.60





#13

Acrolein

Concen: 1.576 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062138.D

Acq: 25 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampleId :

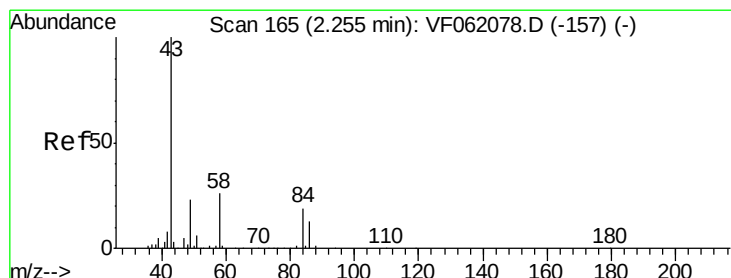
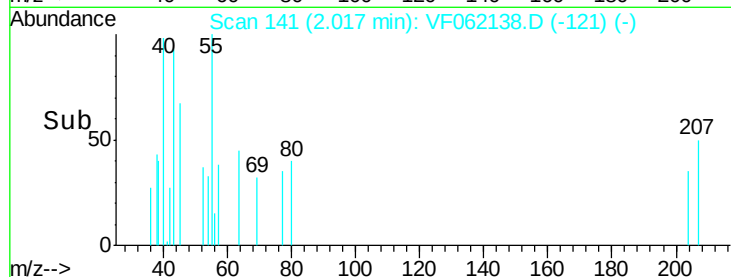
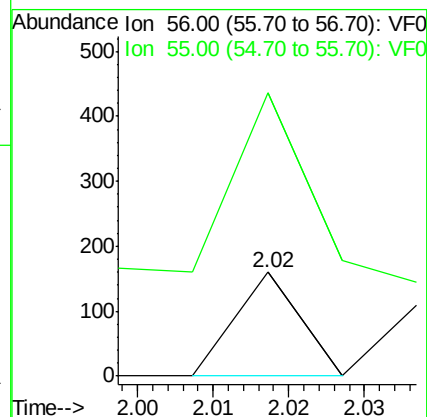
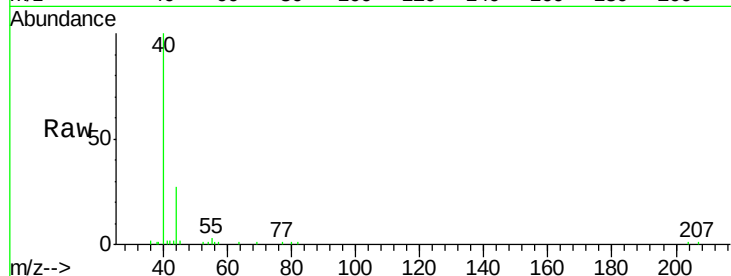
CS-11

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 272.5 49.0 73.4#



#16

Acetone

Concen: 35.018 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF062138.D

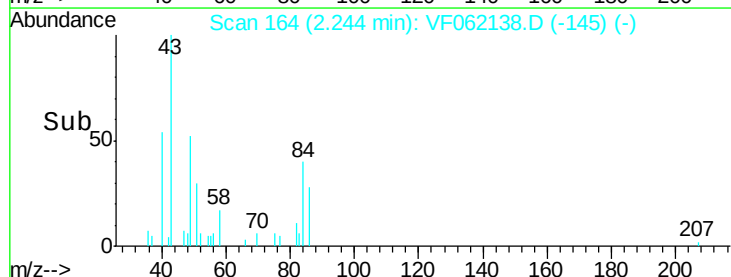
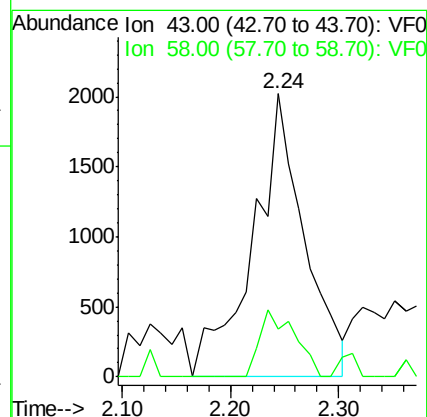
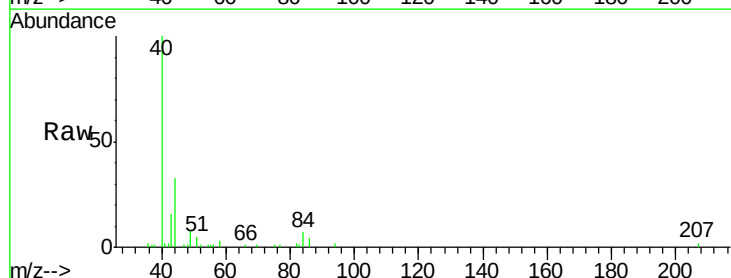
Acq: 25 Mar 2019 18:18

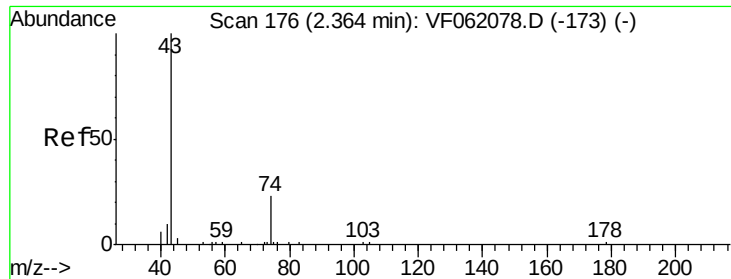
Tgt Ion: 43 Resp: 6713

Ion Ratio Lower Upper

43 100

58 17.0 20.8 31.2#

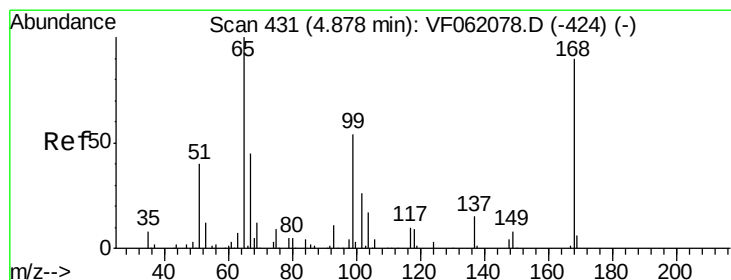
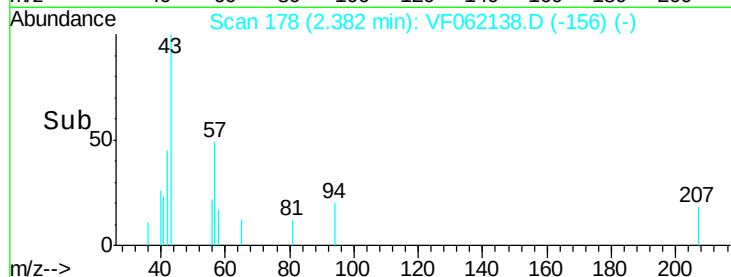
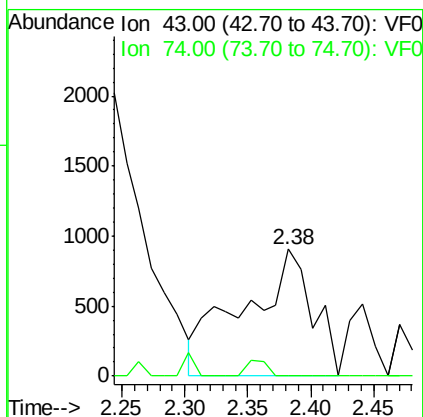
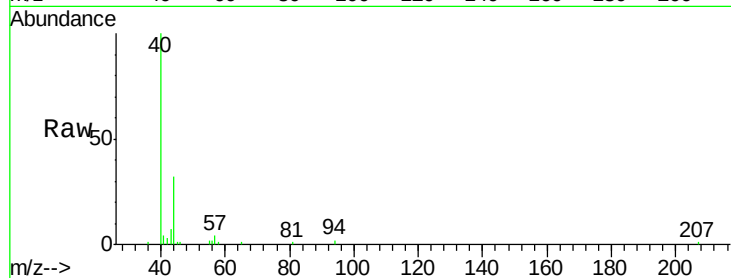




#18
Methyl Acetate
Concen: 7.527 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

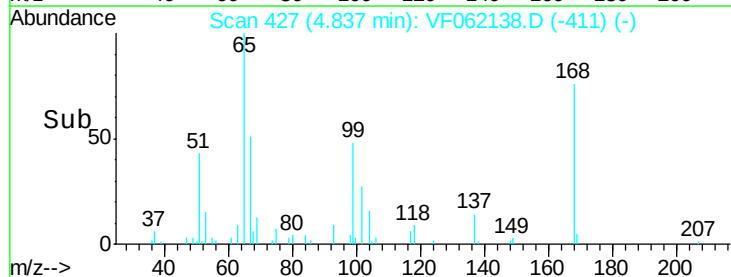
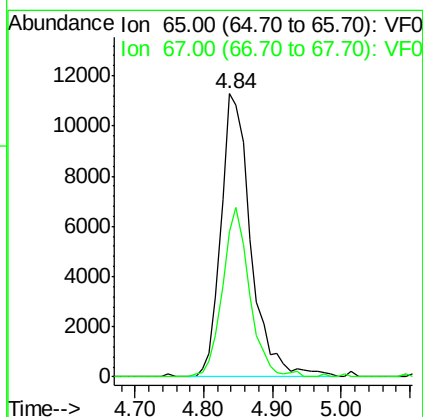
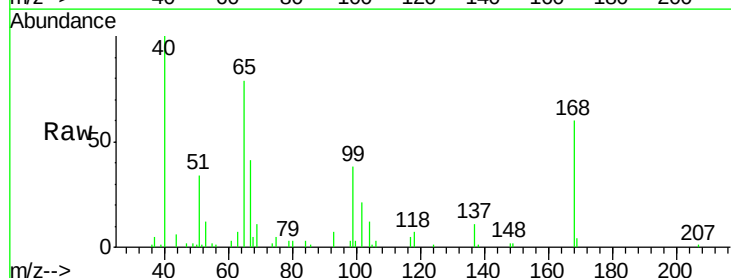
Instrument :
MSVOA_F
ClientSampled :
CS-11

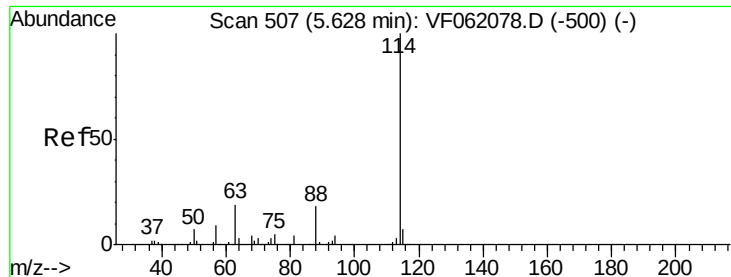
Tot Ion: 43 Resp: 3442
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#33
1,2-Dichloroethane-d4
Concen: 37.338 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

Tgt Ion: 65 Resp: 34009
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF062138.D

Acq: 25 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampleId :

CS-11

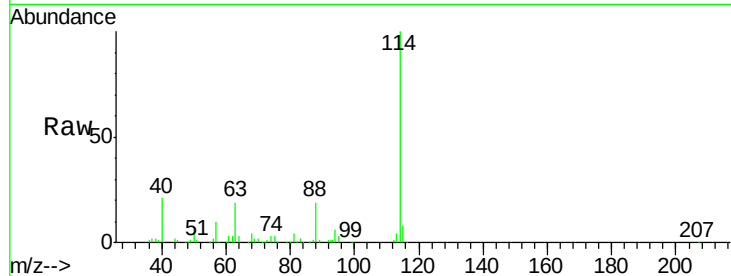
Tot Ion:114 Resp: 181863

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

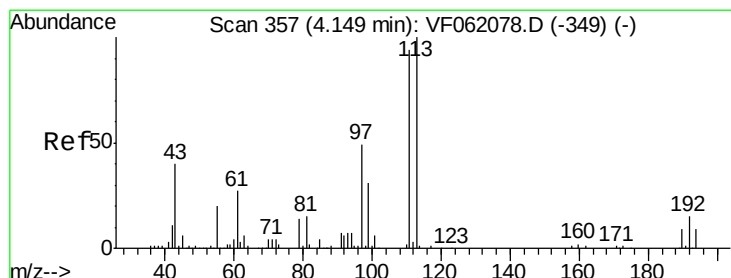
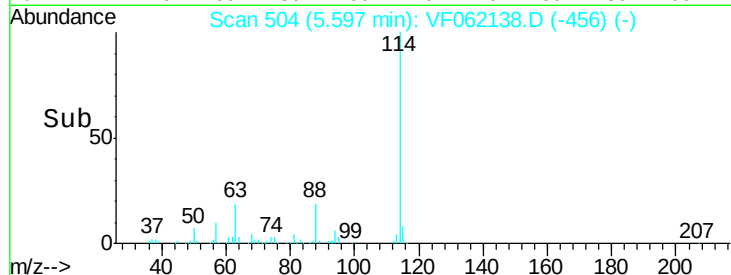
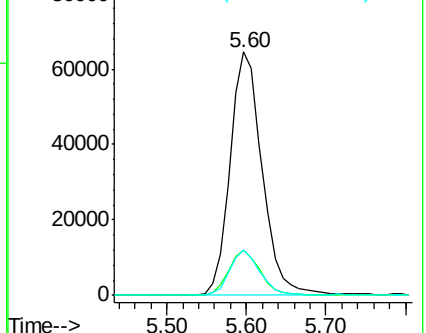
88 18.6 0.0 36.4



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: 44.592 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF062138.D

Acq: 25 Mar 2019 18:18

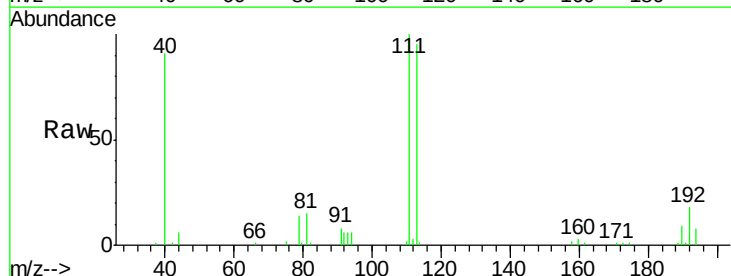
Tgt Ion:113 Resp: 54858

Ion Ratio Lower Upper

113 100

111 104.8 75.4 113.0

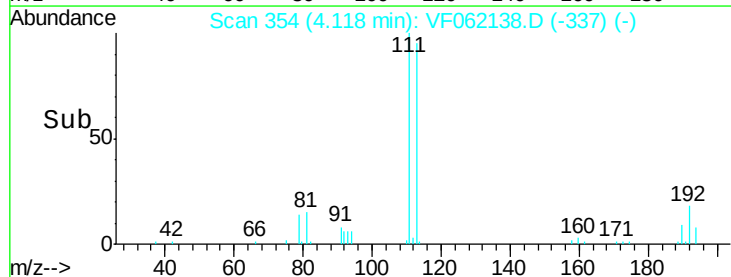
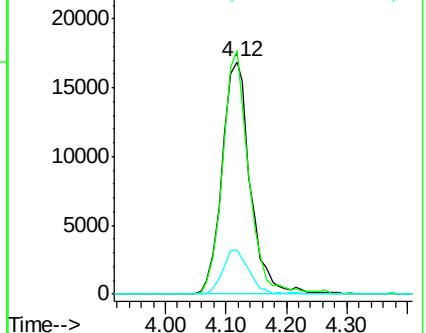
192 18.8 12.3 18.5#

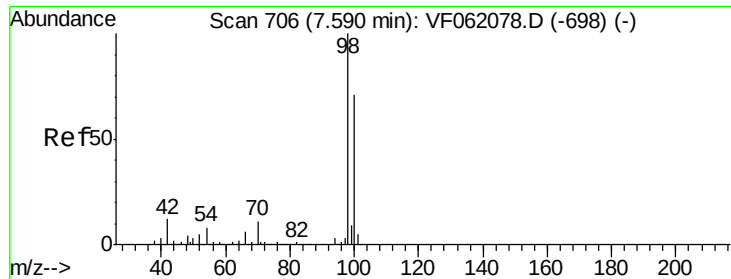


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

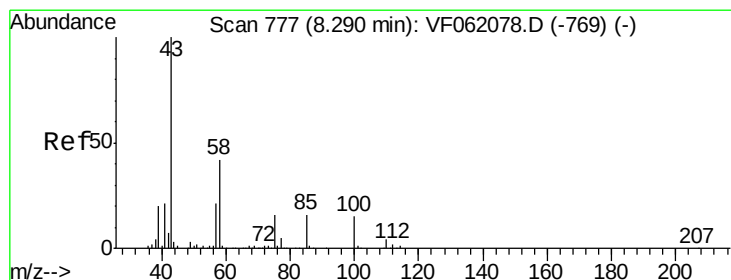
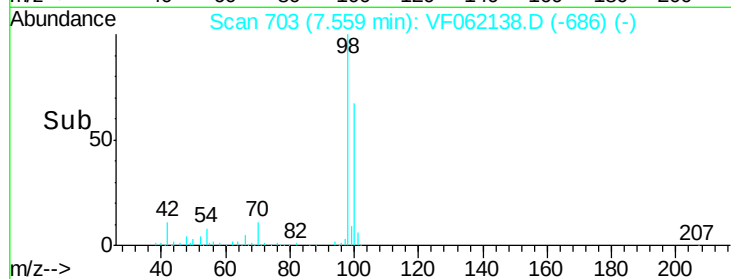
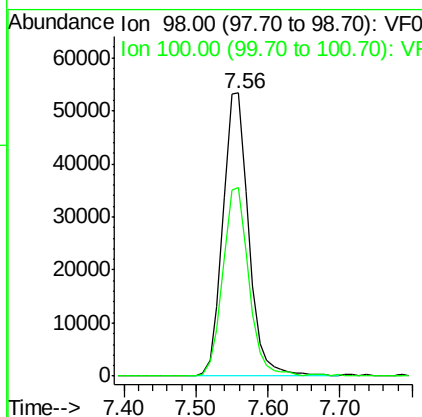
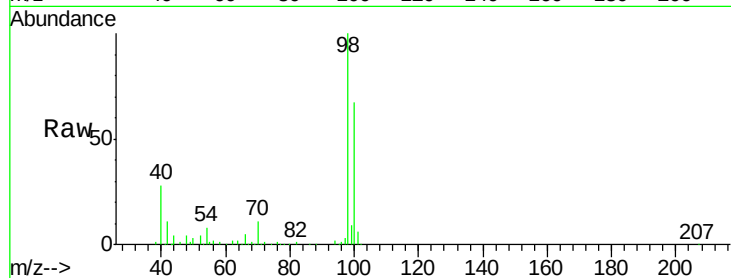




#50
Toluene-d8
Concen: 36.153 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.03 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

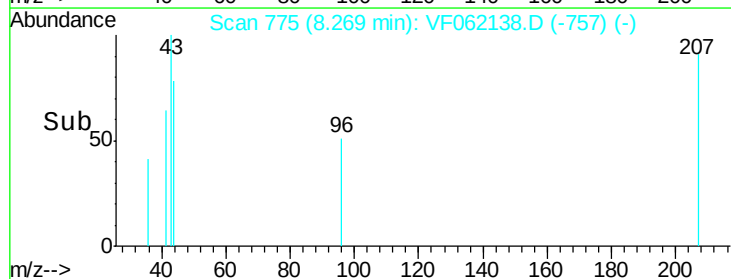
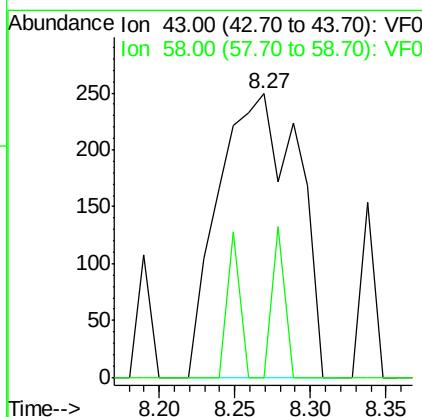
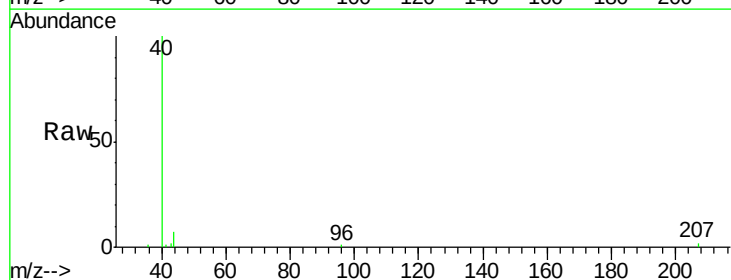
Instrument :
MSVOA_F
ClientSampled :
CS-11

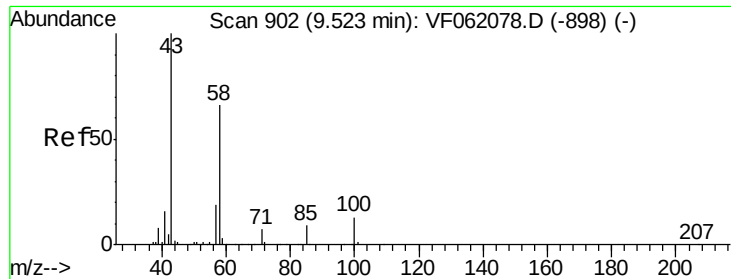
Tot Ion: 98 Resp: 132762
Ion Ratio Lower Upper
98 100
100 66.6 57.0 85.6



#51
4-Methyl-2-Pentanone
Concen: 1.481 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 0.0 33.8 50.8#

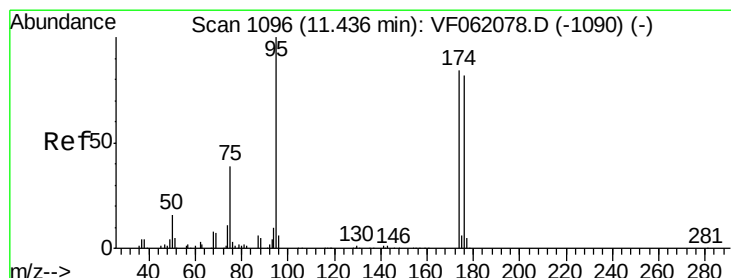
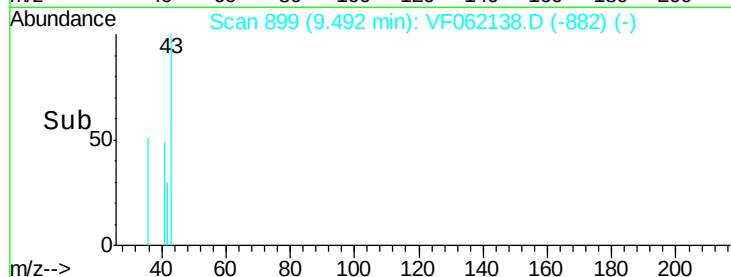
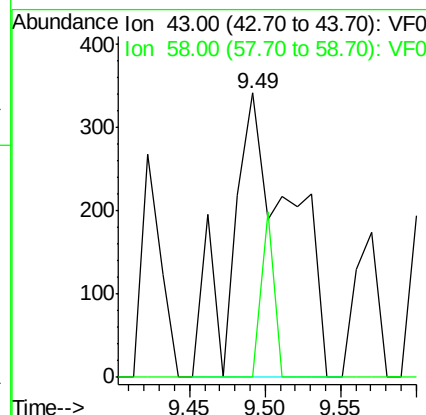
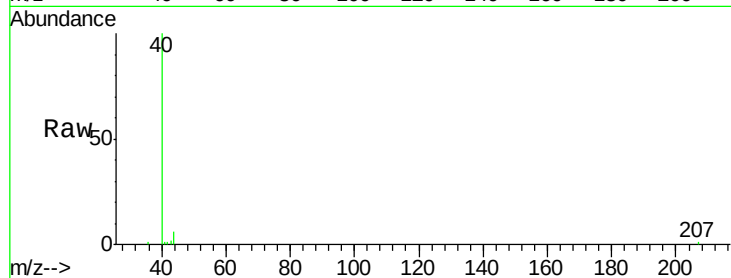




#59
2-Hexanone
Concen: 2.083 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

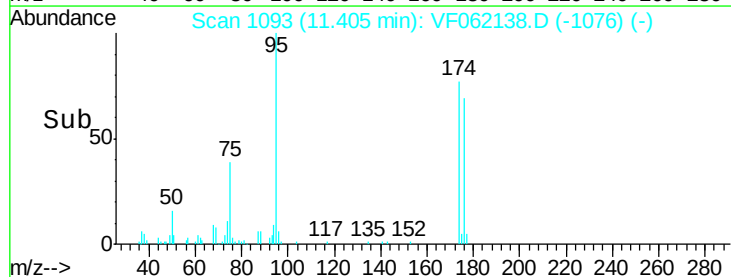
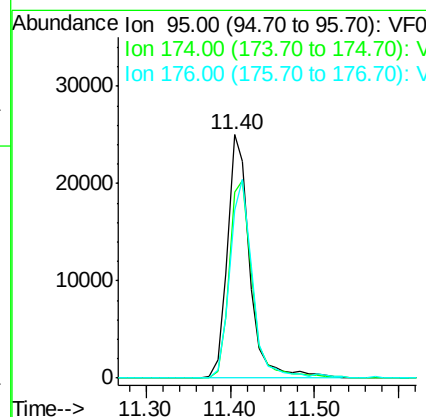
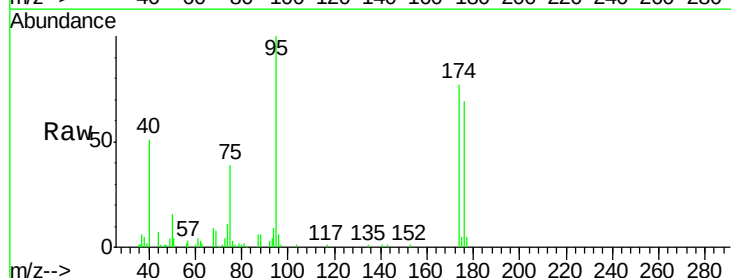
Instrument :
MSVOA_F
ClientSampleId :
CS-11

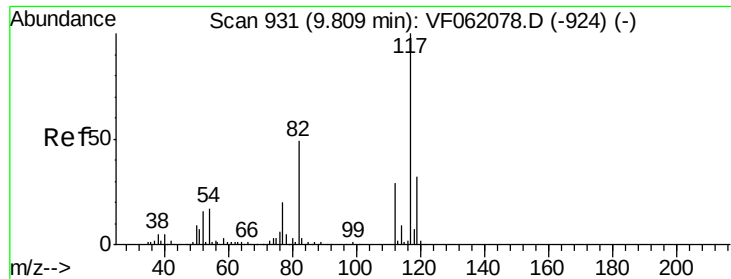
Tot Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 32.524 ug/l
RT: 11.40 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

Tgt Ion: 95 Resp: 46109
Ion Ratio Lower Upper
95 100
174 76.6 0.0 168.2
176 69.3 0.0 164.2

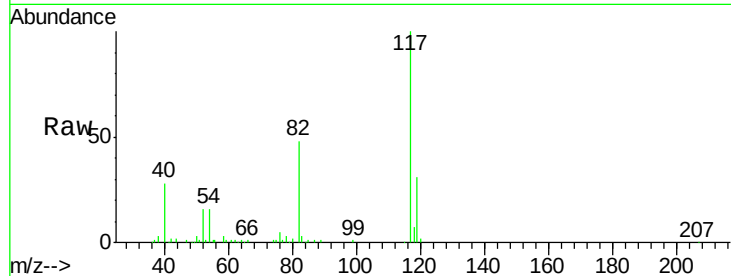




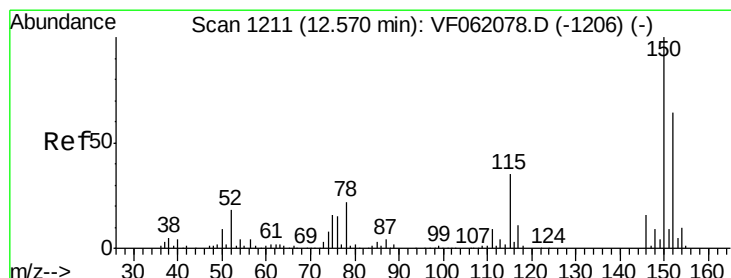
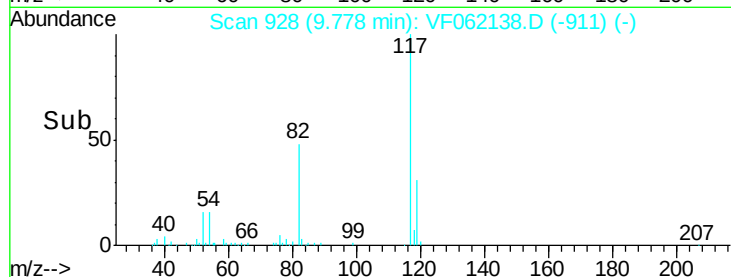
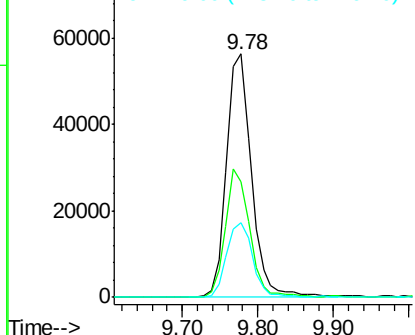
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

Instrument :
MSVOA_F
ClientSampleId :
CS-11

Tot Ion:117 Resp: 129001
Ion Ratio Lower Upper
117 100
82 47.6 39.2 58.8
119 30.8 25.4 38.2

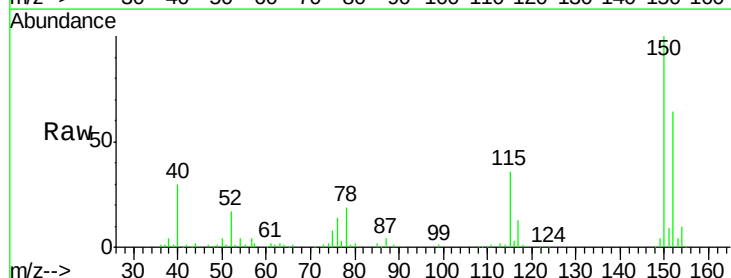


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062138.D
Acq: 25 Mar 2019 18:18

Tgt Ion:152 Resp: 50326
Ion Ratio Lower Upper
152 100
115 56.8 27.7 83.1
150 157.3 0.0 313.2



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

