

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062021.D
 Acq On : 19 Mar 2019 16:40
 Operator : VA/AP
 Sample : K1697-11RE
 Misc : 6.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:21:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

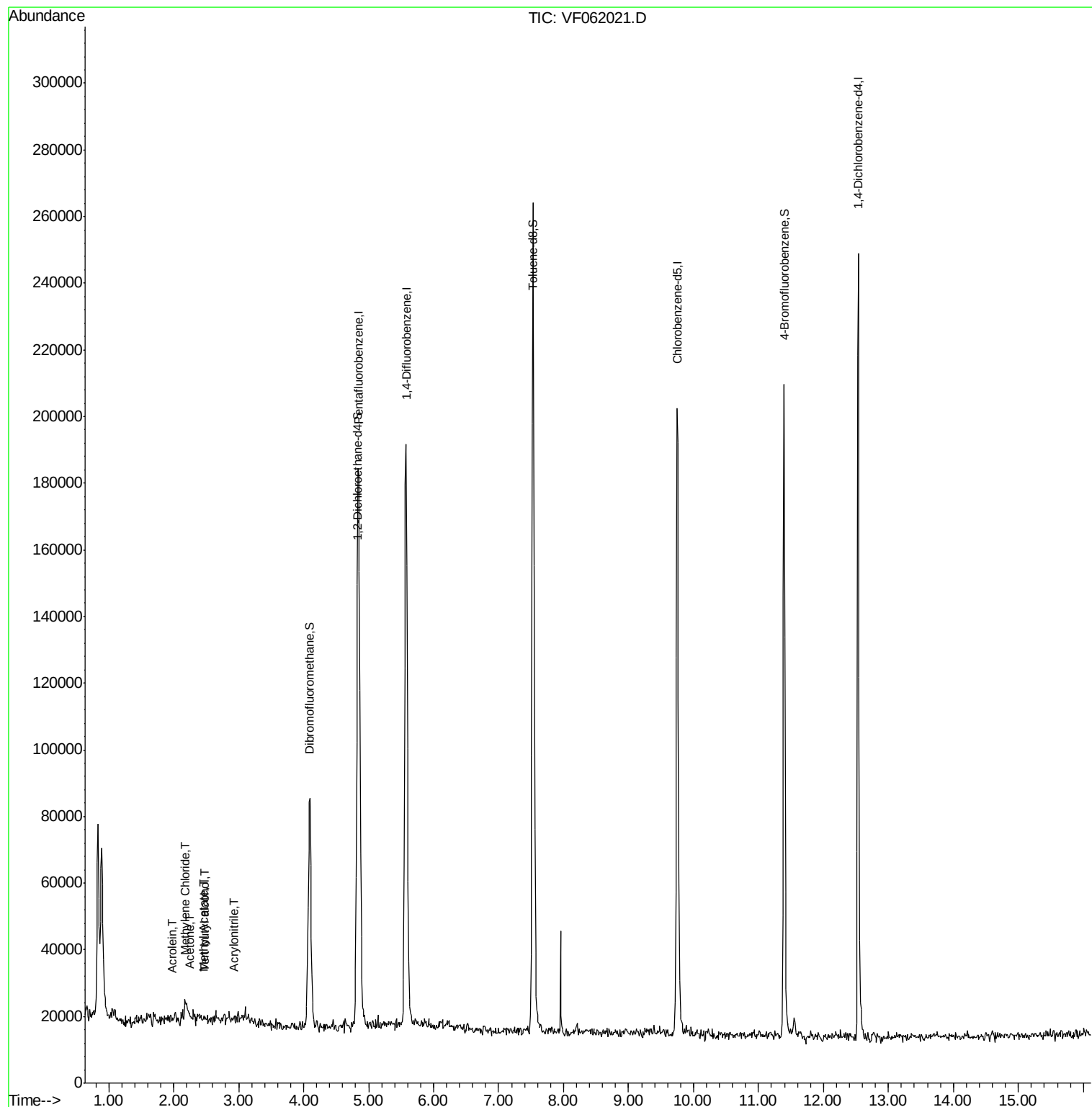
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	175023	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	222314	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	153637	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	71526	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	38487	30.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	61.10%	
35) Dibromofluoromethane	4.10	113	70326	47.11	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.22%	
50) Toluene-d8	7.53	98	232004	53.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.39	95	73709	42.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.49	59	89	1.154	ug/l #	71
13) Acrolein	1.98	56	183	2.199	ug/l	99
15) Acrylonitrile	2.94	53	341	1.455	ug/l #	18
16) Acetone	2.24	43	3176	11.226	ug/l #	50
18) Methyl Acetate	2.46	43	1454	2.512	ug/l #	63
20) Methylene Chloride	2.18	84	2900	1.991	ug/l #	76

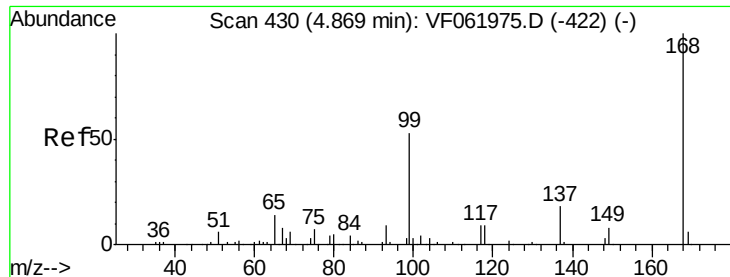
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
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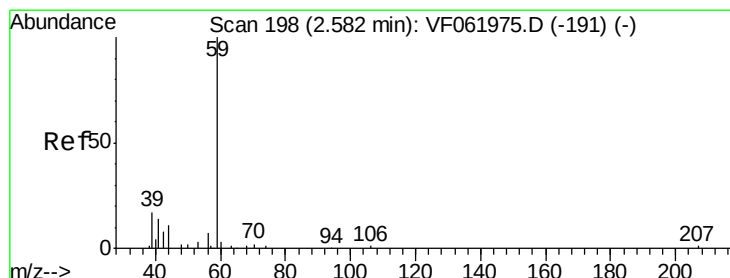
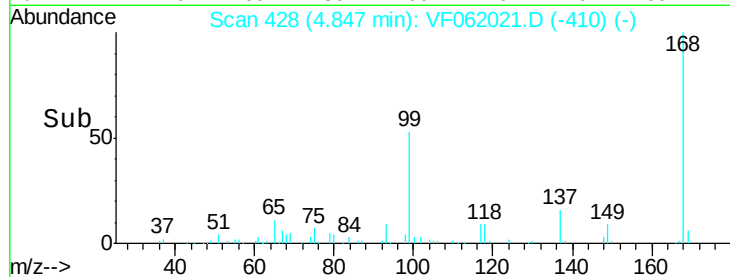
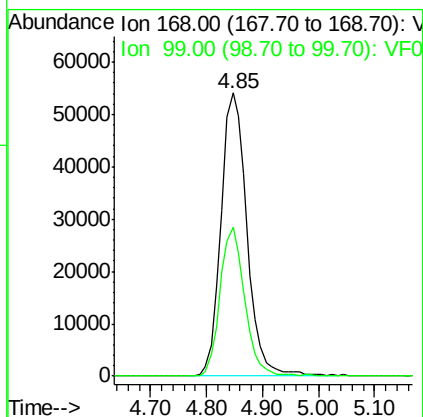
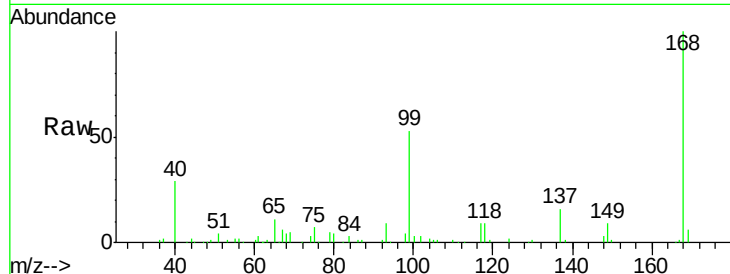




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF062021.D
Acq: 19 Mar 2019 16:40

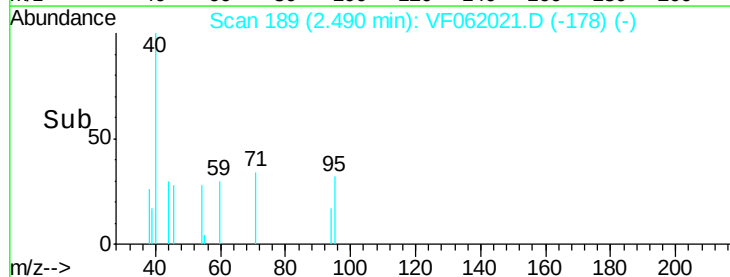
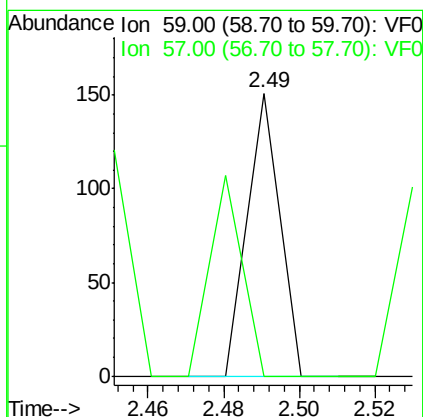
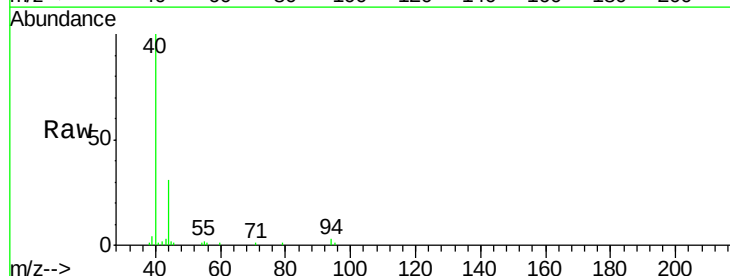
Instrument :
MSVOA_F
ClientSampleId :

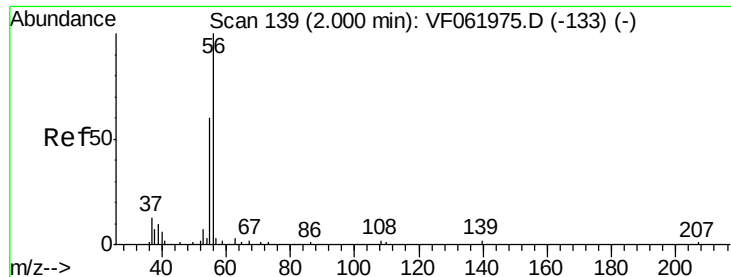
Tot Ion:168 Resp: 175023
Ion Ratio Lower Upper
168 100
99 52.7 42.4 63.6



#11
Tert butyl alcohol
Concen: 1.154 ug/l
RT: 2.49 min Scan# 189
Delta R.T. -0.09 min
Lab File: VF062021.D
Acq: 19 Mar 2019 16:40

Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 2.199 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

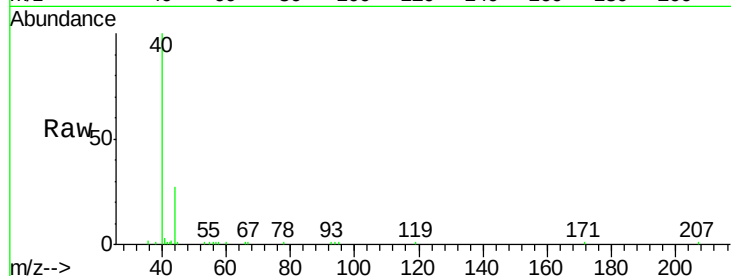
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 183

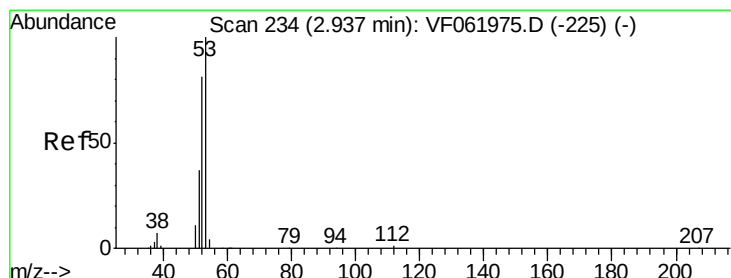
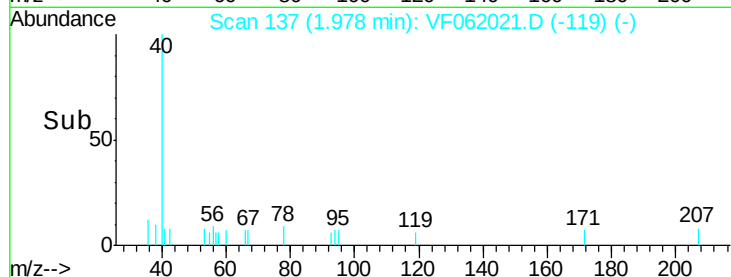
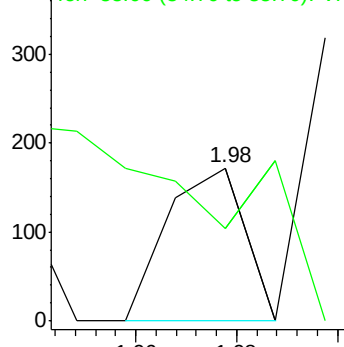
Ion Ratio Lower Upper

56 100

55 60.5 49.1 73.7



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.455 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

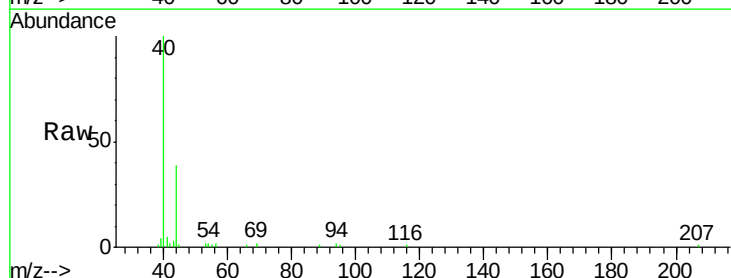
Tgt Ion: 53 Resp: 341

Ion Ratio Lower Upper

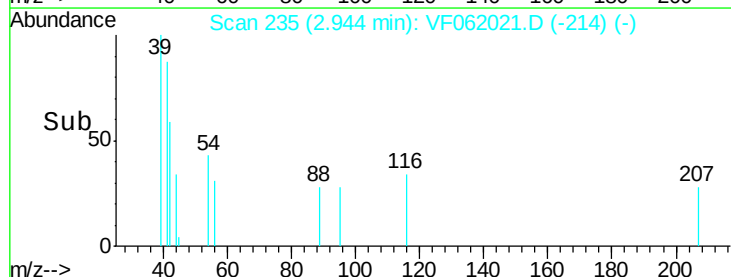
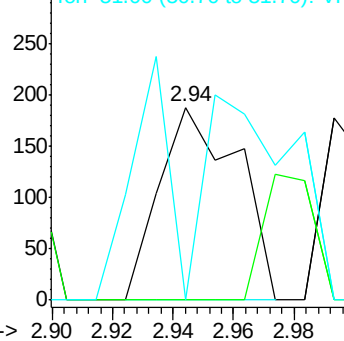
53 100

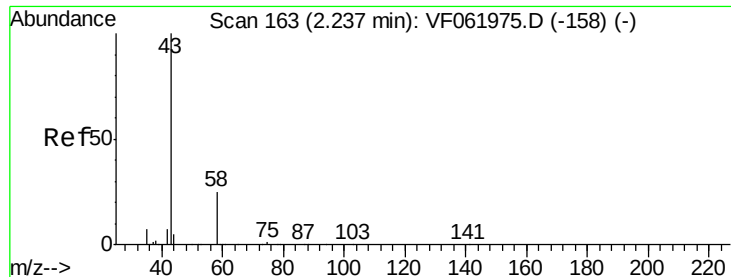
52 0.0 64.4 96.6#

51 0.0 30.3 45.5#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 11.226 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

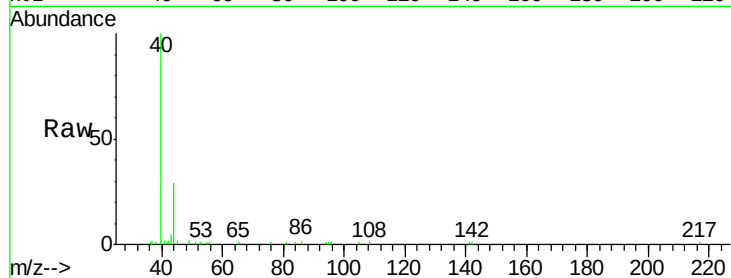
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3176

Ion Ratio Lower Upper

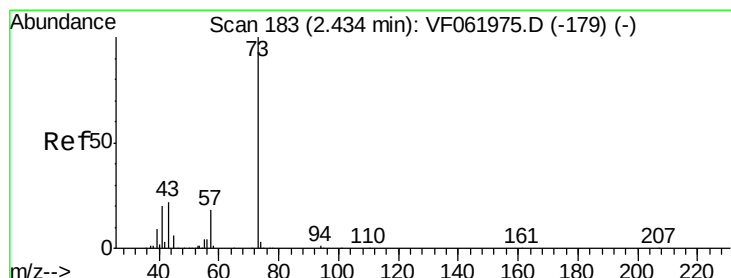
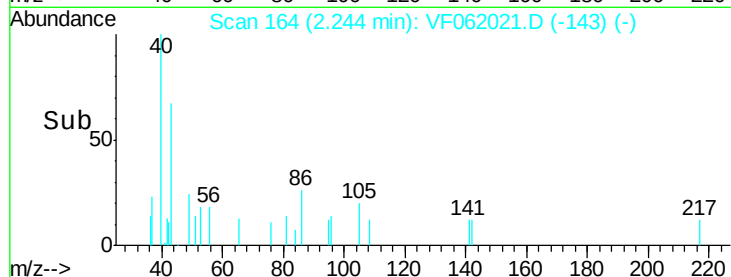
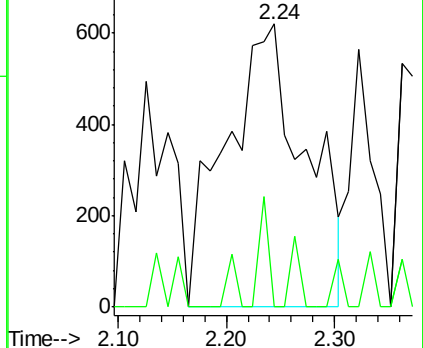
43 100

58 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 2.512 ug/l

RT: 2.46 min Scan# 186

Delta R.T. 0.03 min

Lab File: VF062021.D

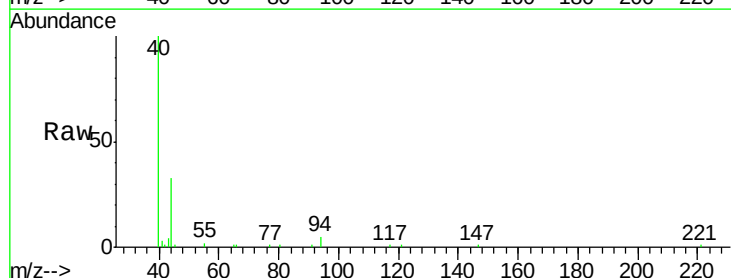
Acq: 19 Mar 2019 16:40

Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

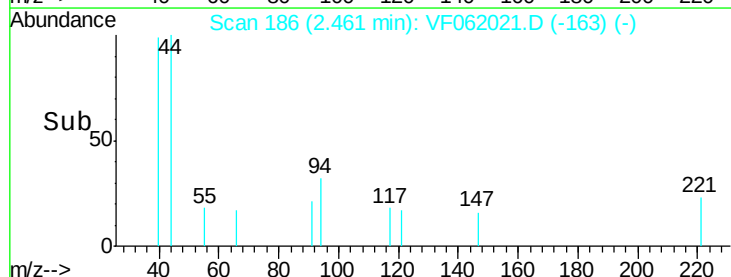
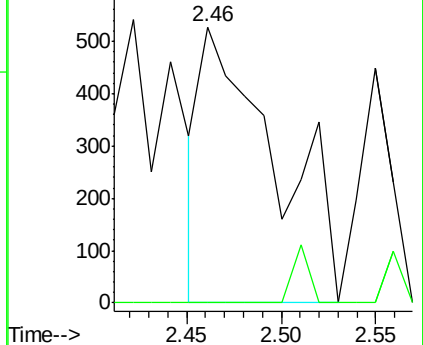
43 100

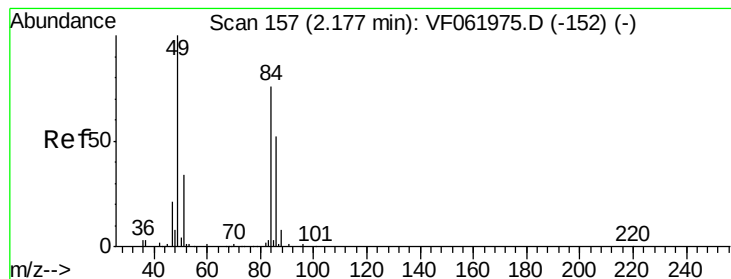
74 0.0 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#20

Methylene Chloride

Concen: 1.991 ug/l

RT: 2.18 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 2900

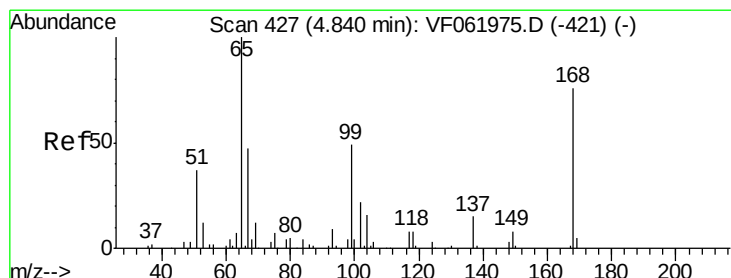
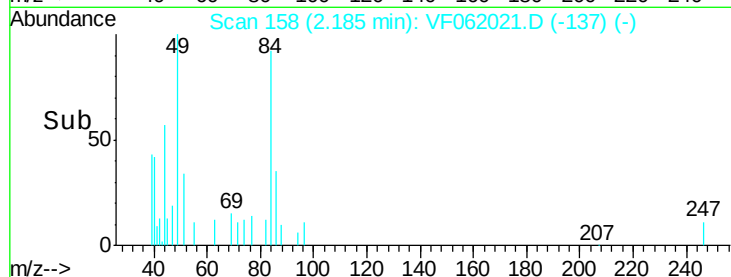
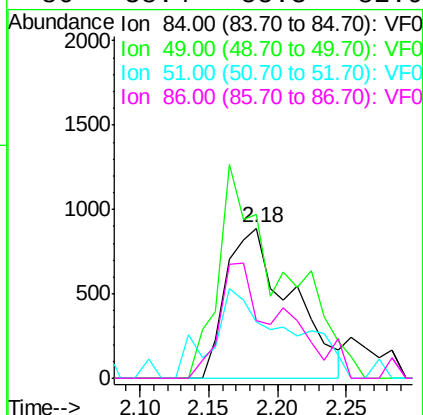
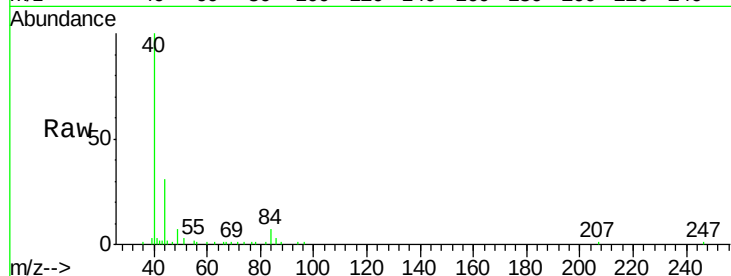
Ion	Ratio	Lower	Upper
84	100		
49	109.2	107.0	160.6
51	37.4	37.2	55.8
86	38.4	55.3	82.9#

84 100

49 109.2 107.0 160.6

51 37.4 37.2 55.8

86 38.4 55.3 82.9#



#33

1,2-Dichloroethane-d4

Concen: 30.548 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF062021.D

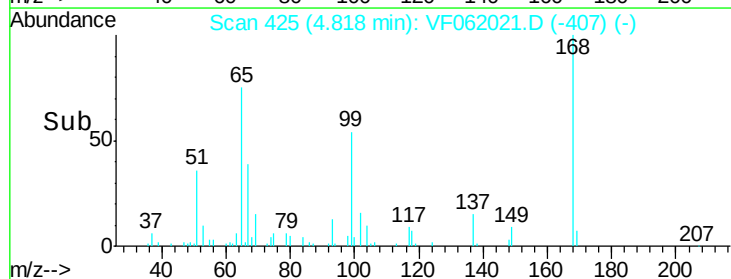
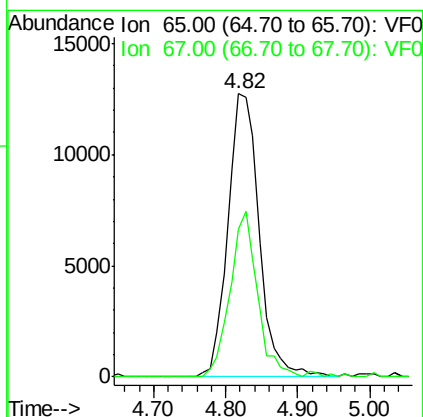
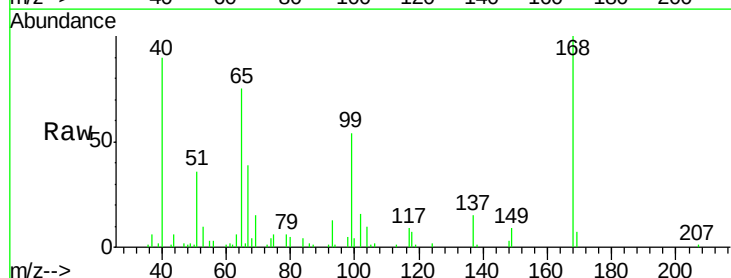
Acq: 19 Mar 2019 16:40

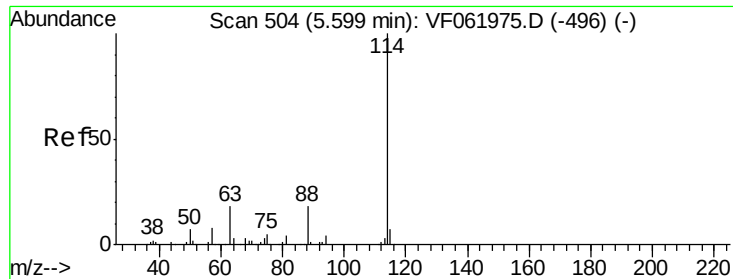
Tgt Ion: 65 Resp: 38487

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	109.4

65 100

67 52.0 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

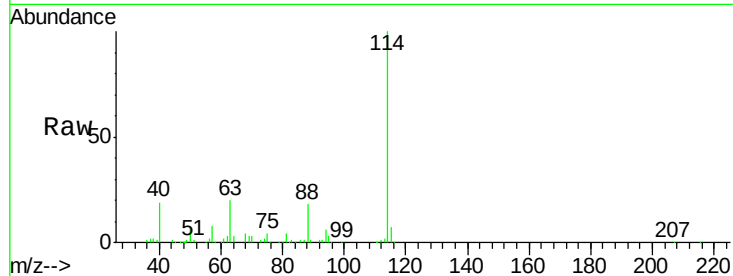
Tot Ion:114 Resp: 222314

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

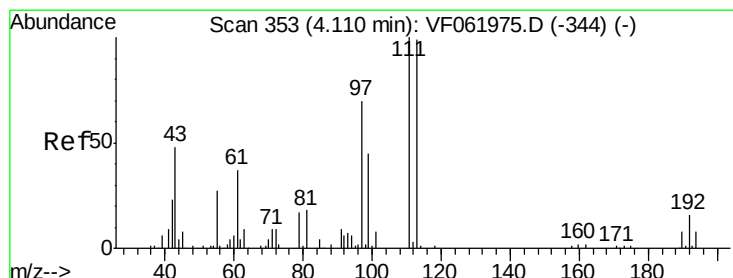
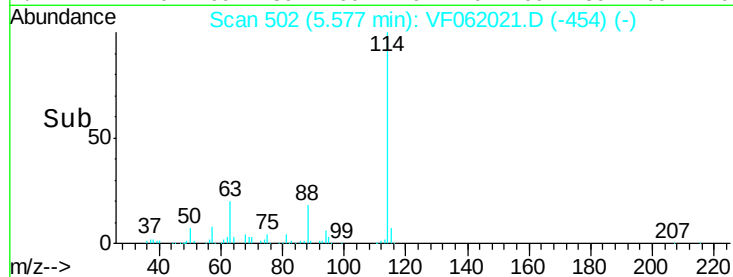
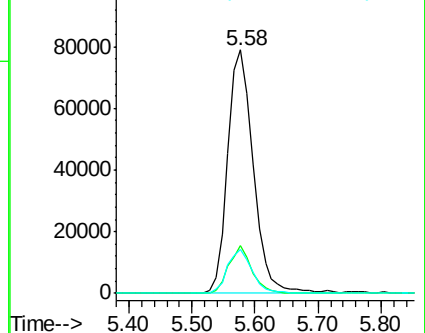
88 17.9 0.0 36.4



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: 47.108 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

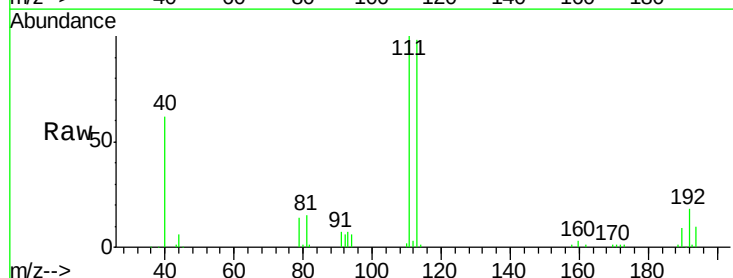
Tgt Ion:113 Resp: 70326

Ion Ratio Lower Upper

113 100

111 102.4 80.8 121.2

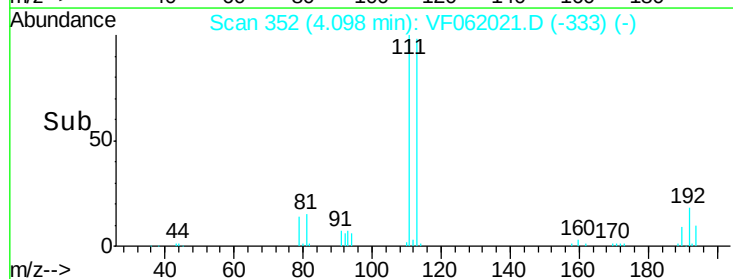
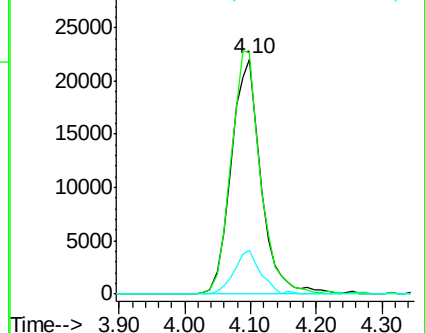
192 18.5 13.0 19.6

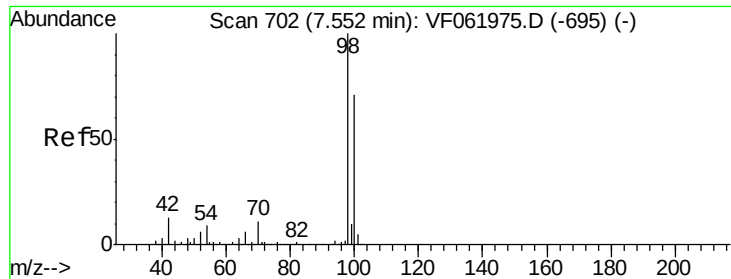


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 53.162 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

Instrument :

MSVOA_F

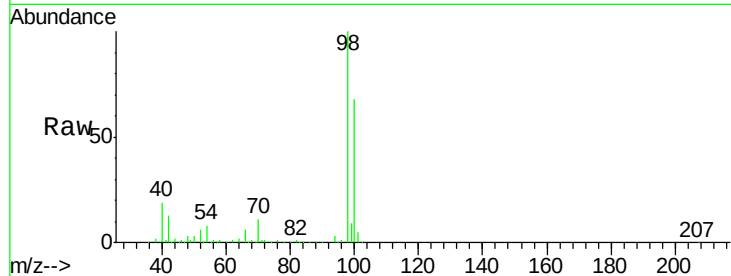
ClientSampleId :

Tot Ion: 98 Resp: 232004

Ion Ratio Lower Upper

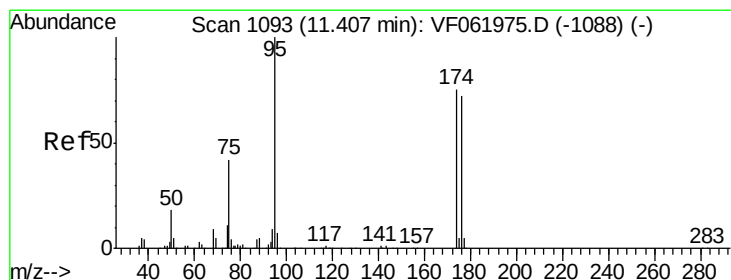
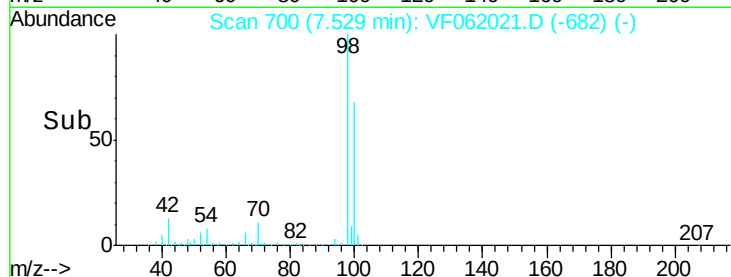
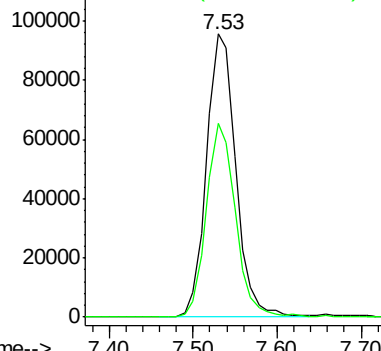
98 100

100 68.3 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 42.515 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062021.D

Acq: 19 Mar 2019 16:40

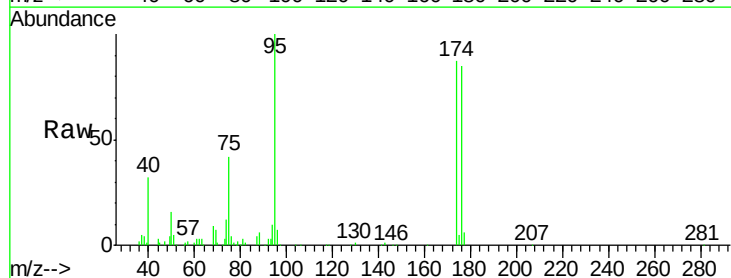
Tgt Ion: 95 Resp: 73709

Ion Ratio Lower Upper

95 100

174 87.4 0.0 149.4

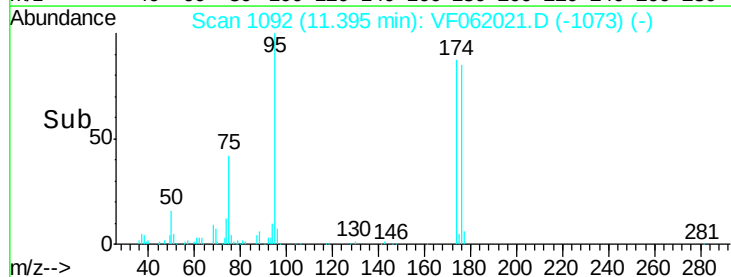
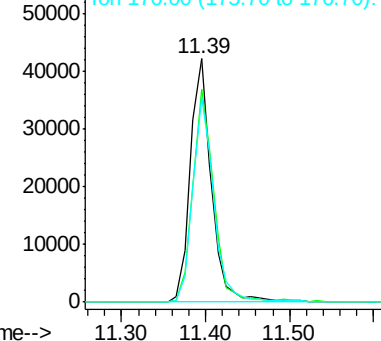
176 84.5 0.0 143.4

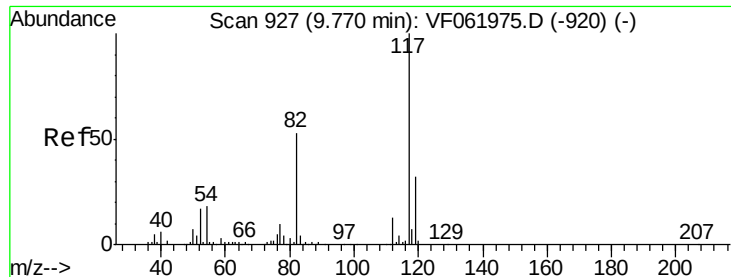


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

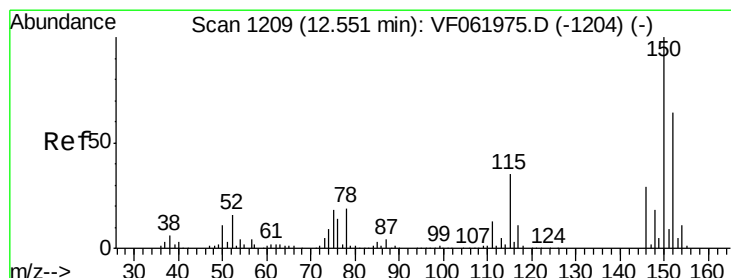
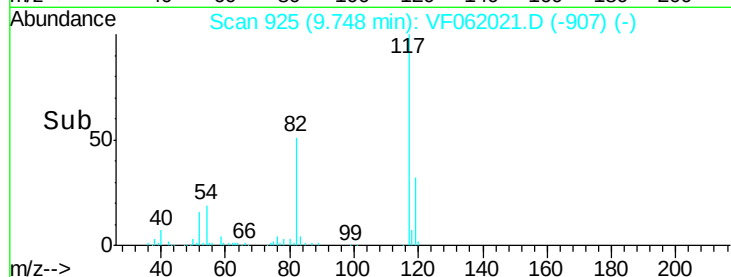
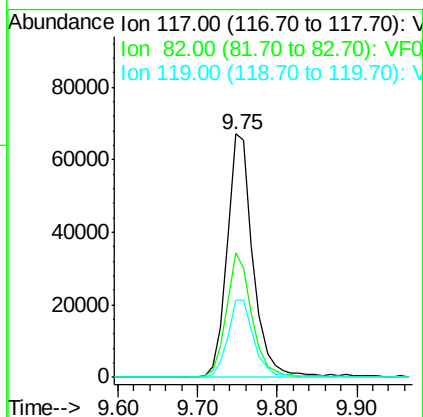
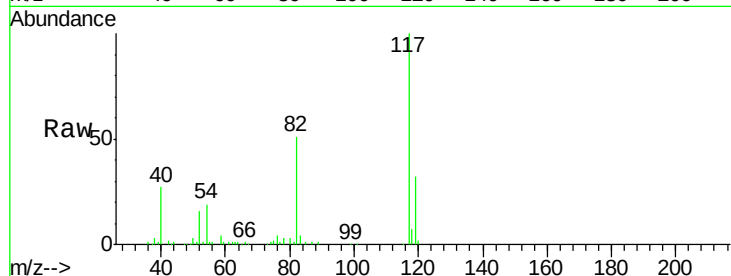




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062021.D
Acq: 19 Mar 2019 16:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 153637
Ion Ratio Lower Upper
117 100
82 51.1 42.5 63.7
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF062021.D
Acq: 19 Mar 2019 16:40

Tgt Ion:152 Resp: 71526
Ion Ratio Lower Upper
152 100
115 53.5 27.3 81.9
150 149.3 0.0 316.2

