

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061983.D
 Acq On : 16 Mar 2019 18:57
 Operator : VA/AP
 Sample : K1861-02
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BF-07-031119

Quant Time: Mar 18 07:38:16 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

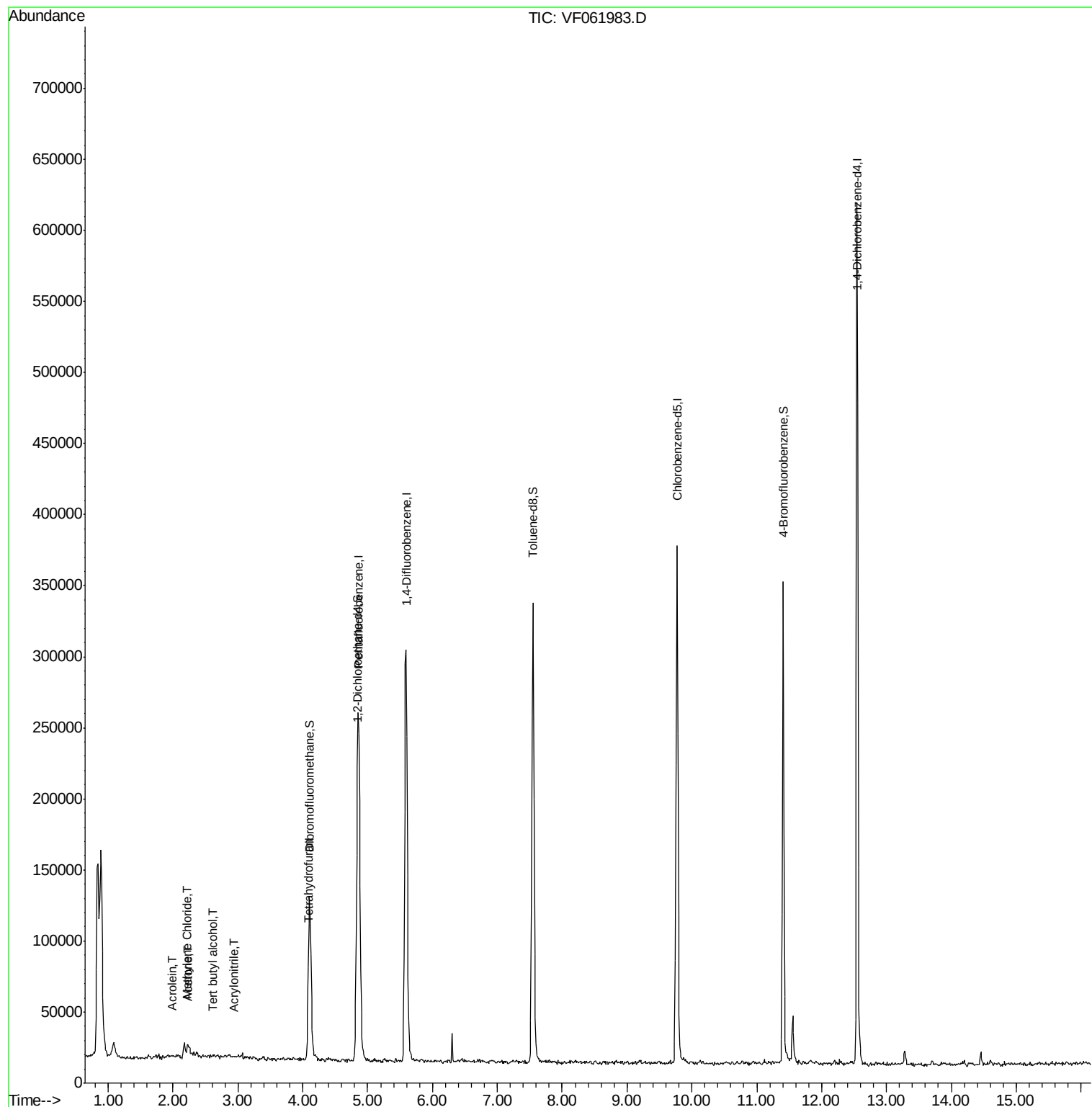
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	230141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	361925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	304725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	167350	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	73605	44.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.86%	
35) Dibromofluoromethane	4.10	113	114311	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
50) Toluene-d8	7.55	98	304790	42.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.80%	
62) 4-Bromofluorobenzene	11.41	95	131826	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.60	59	163	1.608	ug/l #	71
13) Acrolein	1.98	56	160	1.462	ug/l #	38
15) Acrylonitrile	2.94	53	450	1.460	ug/l #	18
16) Acetone	2.24	43	4011	10.782	ug/l #	79
20) Methylene Chloride	2.22	84	4956	2.588	ug/l	96
29) Tetrahydrofuran	4.07	42	326	1.017	ug/l #	80

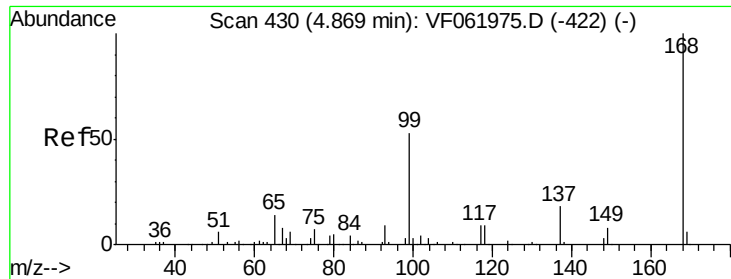
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
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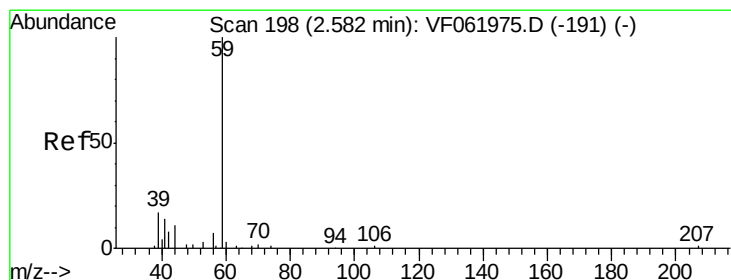
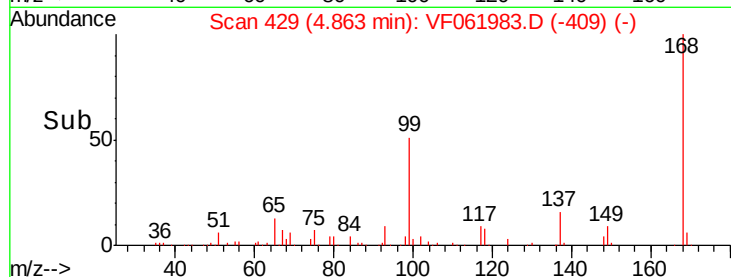
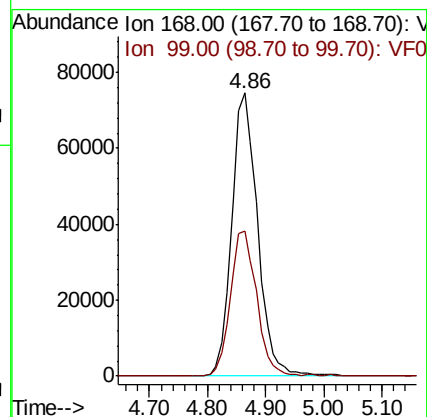
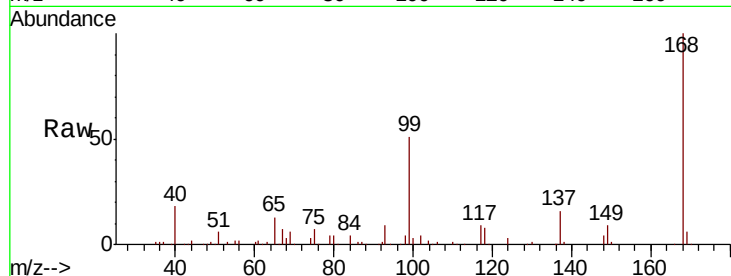




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF061983.D
Acq: 16 Mar 2019 18:57

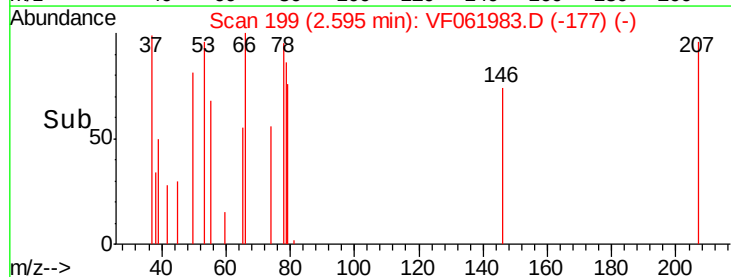
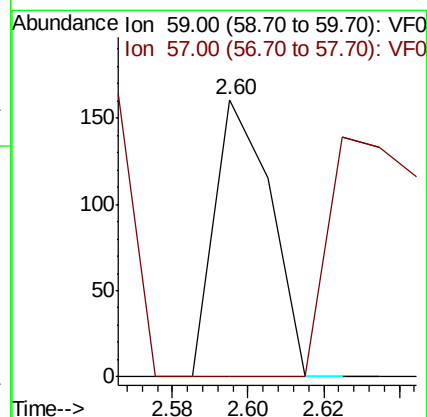
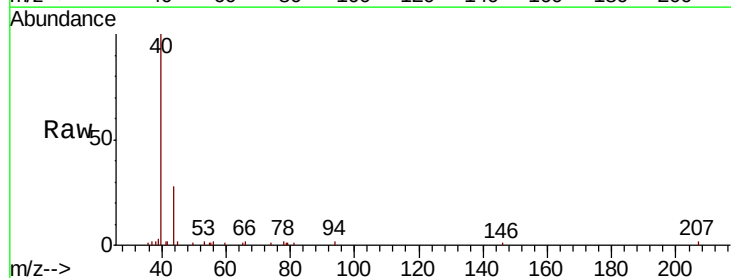
Instrument :
MSVOA_F
ClientSampleId :
BF-07-031119

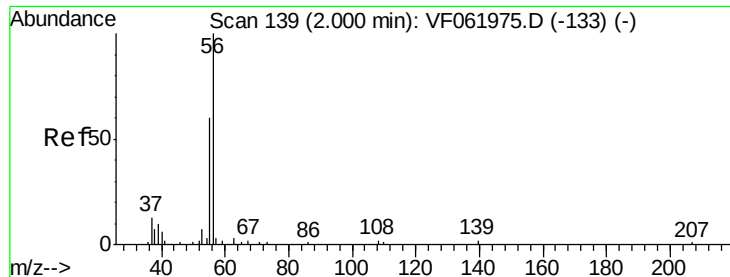
Tgt Ion: 168 Resp: 230141
Ion Ratio Lower Upper
168 100
99 51.3 42.4 63.6



#11
Tert butyl alcohol
Concen: 1.608 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF061983.D
Acq: 16 Mar 2019 18:57

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 1.462 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

Instrument :

MSVOA_F

ClientSampleId :

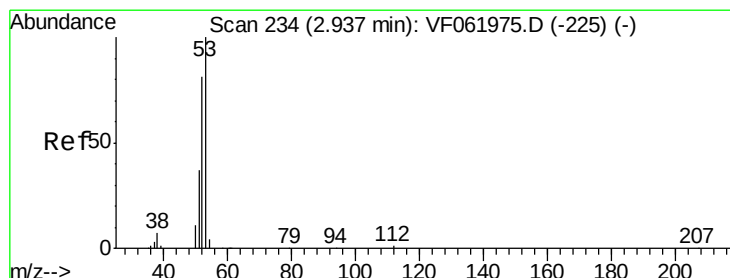
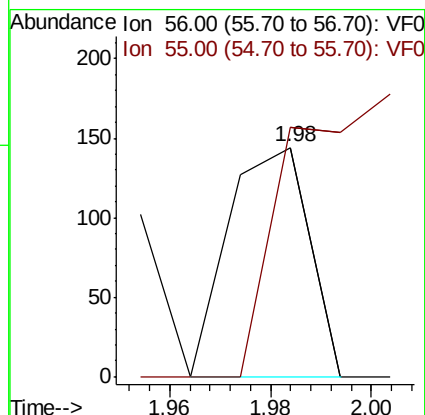
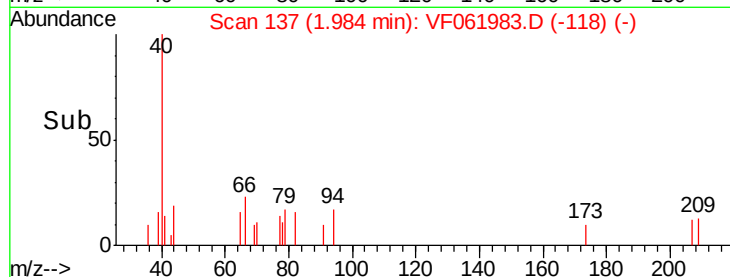
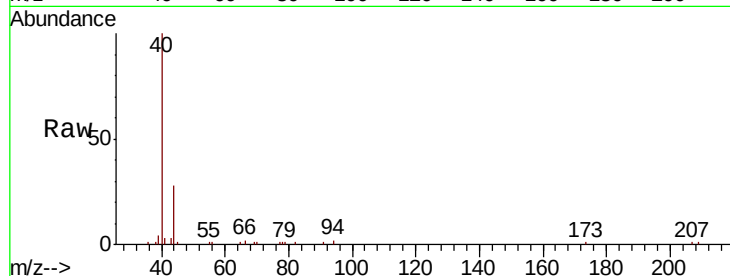
BF-07-031119

Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 109.0 49.1 73.7#



#15

Acrylonitrile

Concen: 1.460 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

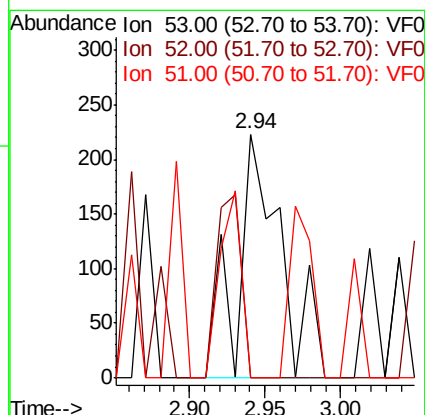
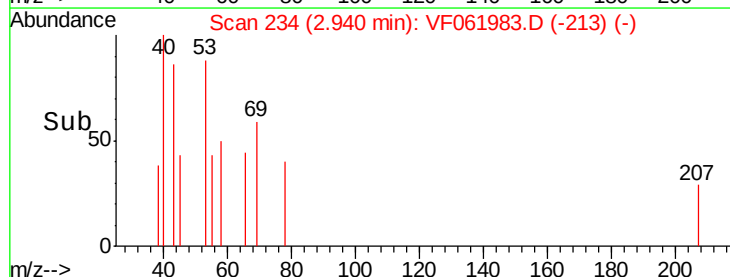
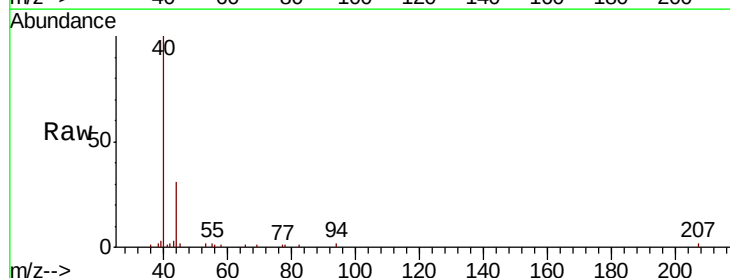
Tgt Ion: 53 Resp: 450

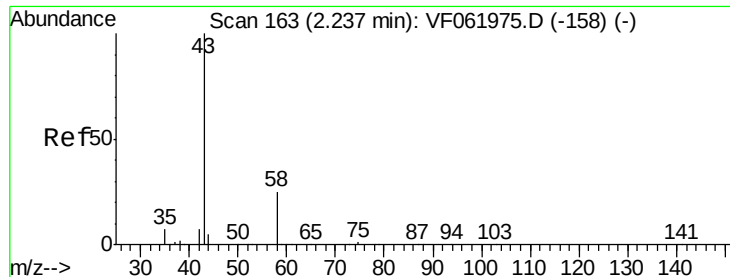
Ion Ratio Lower Upper

53 100

52 0.0 64.4 96.6#

51 0.0 30.3 45.5#





#16

Acetone

Concen: 10.782 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

Instrument :

MSVOA_F

ClientSampleId :

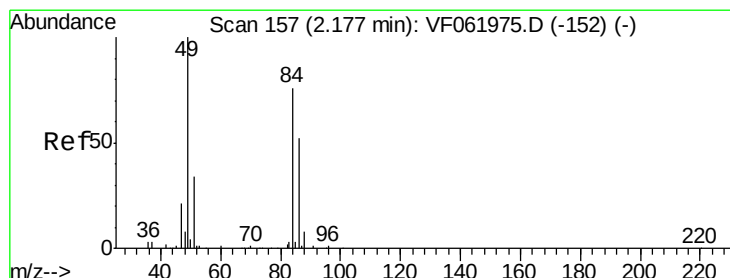
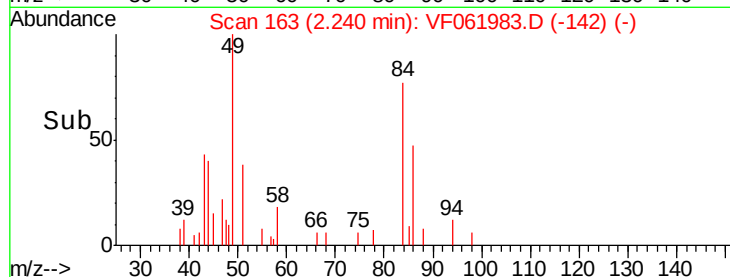
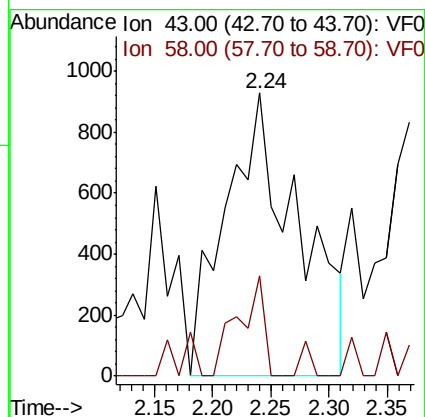
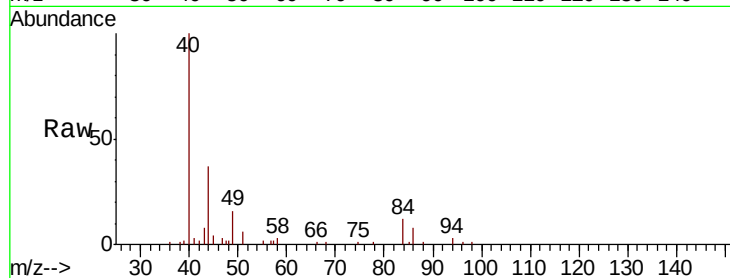
BF-07-031119

Tgt Ion: 43 Resp: 4011

Ion Ratio Lower Upper

43 100

58 35.3 19.9 29.9#



#20

Methylene Chloride

Concen: 2.588 ug/l

RT: 2.22 min Scan# 161

Delta R.T. 0.04 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

Tgt Ion: 84 Resp: 4956

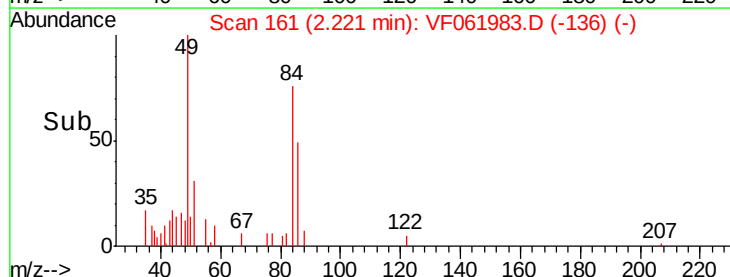
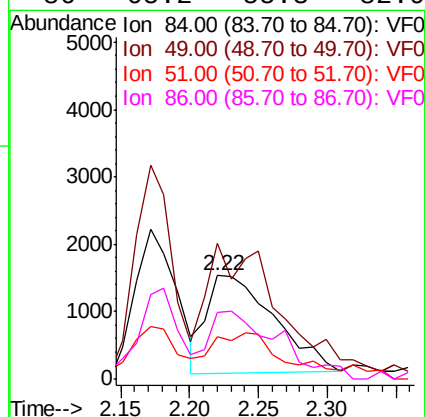
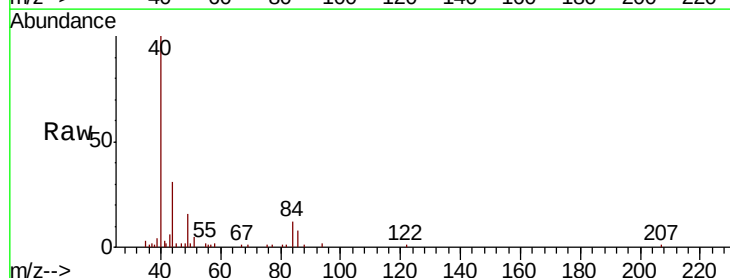
Ion Ratio Lower Upper

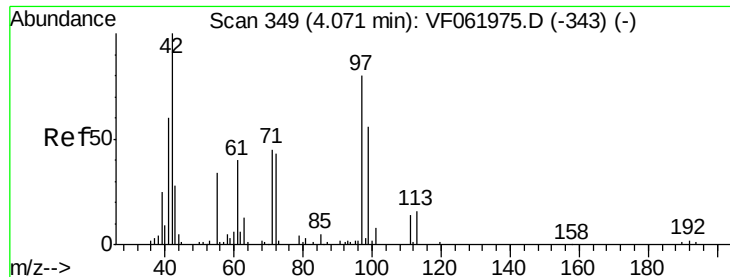
84 100

49 131.7 107.0 160.6

51 40.5 37.2 55.8

86 65.2 55.3 82.9





#29

Tetrahydrofuran

Concen: 1.017 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

Instrument :

MSVOA_F

ClientSampleId :

BF-07-031119

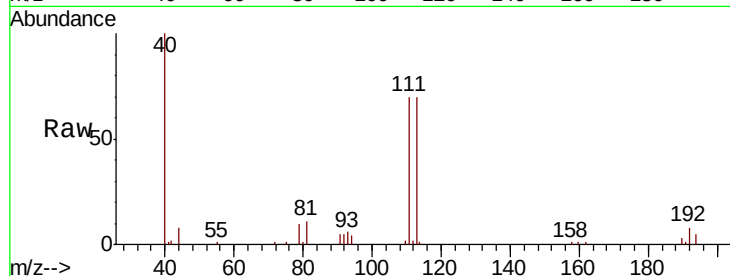
Tgt Ion: 42 Resp: 326

Ion Ratio Lower Upper

42 100

72 19.0 34.0 51.0#

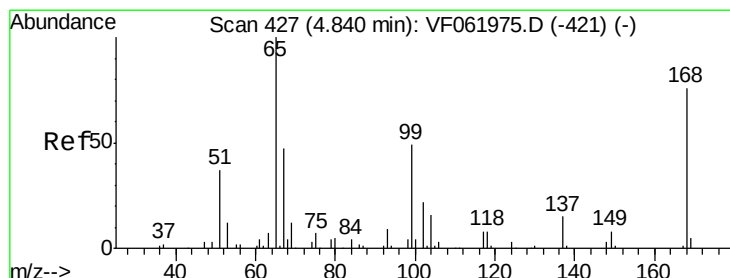
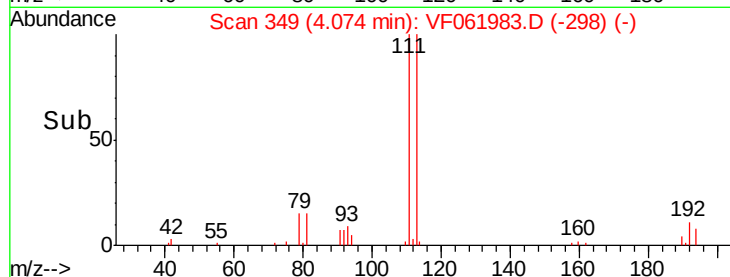
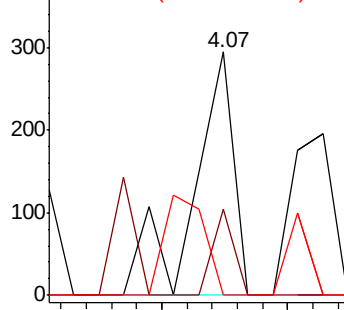
71 41.1 34.2 51.4



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: 44.430 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061983.D

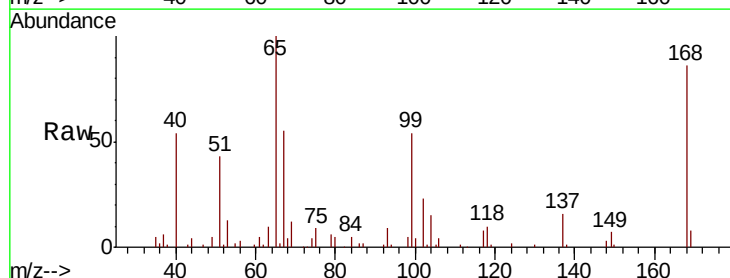
Acq: 16 Mar 2019 18:57

Tgt Ion: 65 Resp: 73605

Ion Ratio Lower Upper

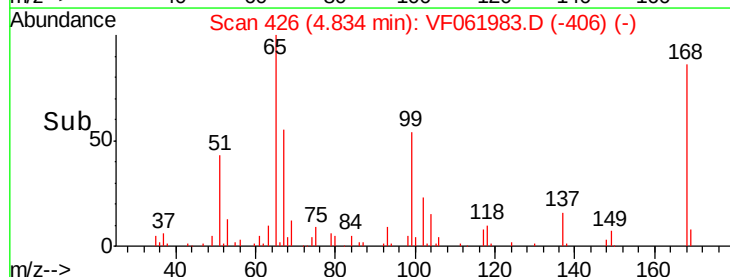
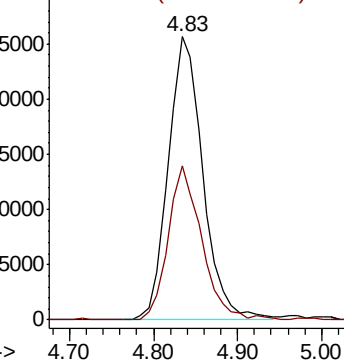
65 100

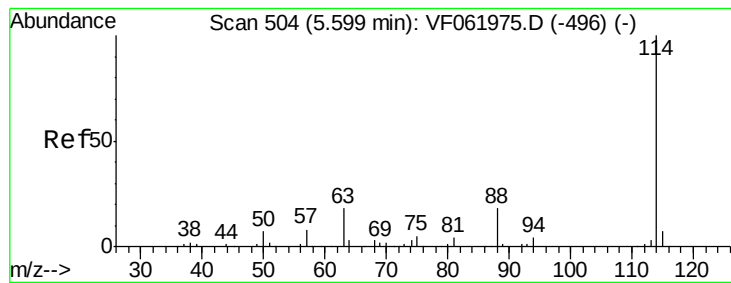
67 54.6 0.0 109.4



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. -0.01 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

Instrument :

MSVOA_F

ClientSampleId :

BF-07-031119

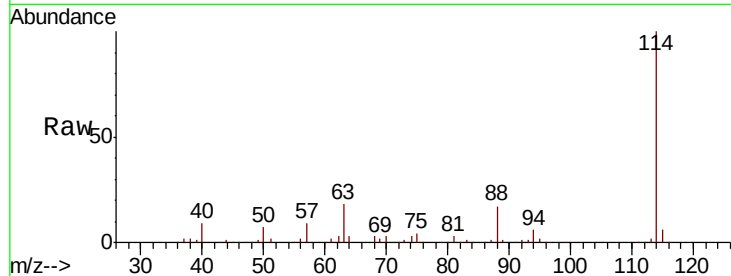
Tgt Ion:114 Resp: 361925

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.4

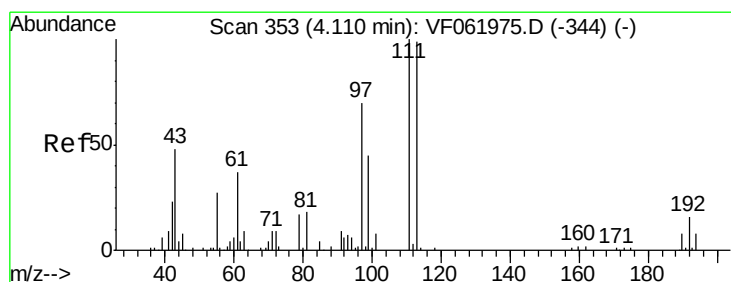
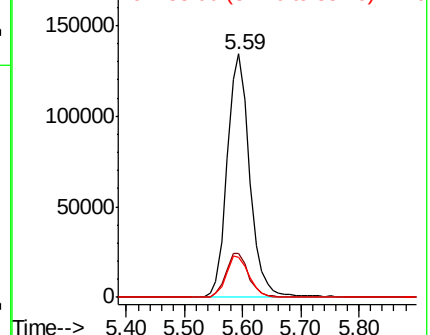
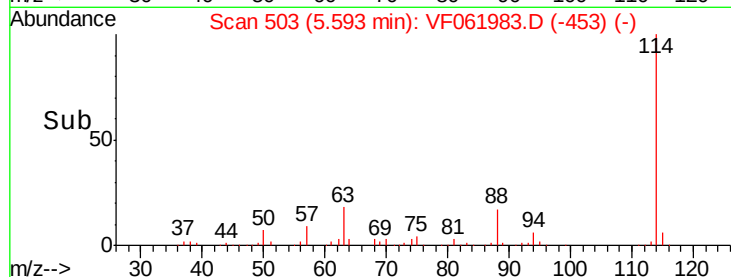
88 16.5 0.0 36.4



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: 47.034 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061983.D

Acq: 16 Mar 2019 18:57

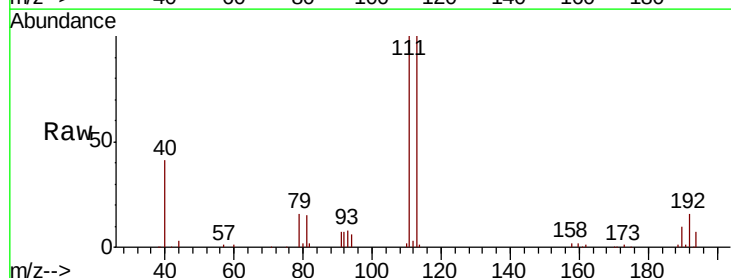
Tgt Ion:113 Resp: 114311

Ion Ratio Lower Upper

113 100

111 100.1 80.8 121.2

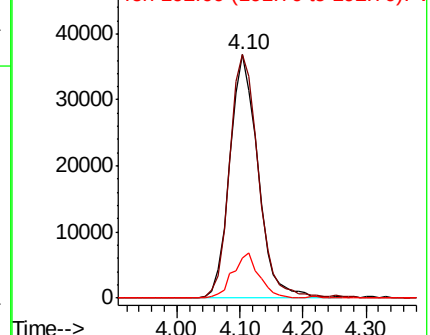
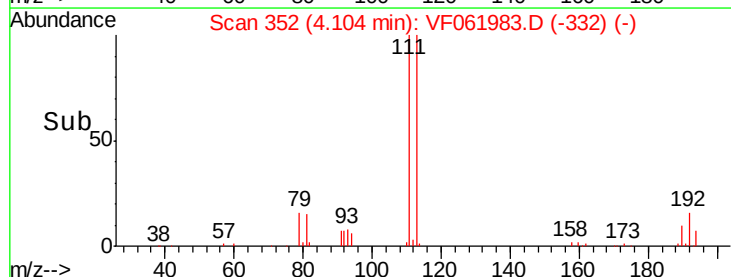
192 16.5 13.0 19.6

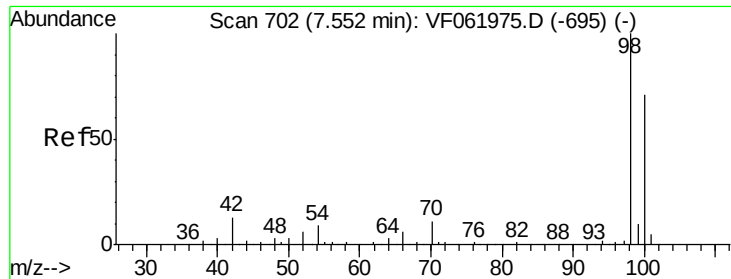


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

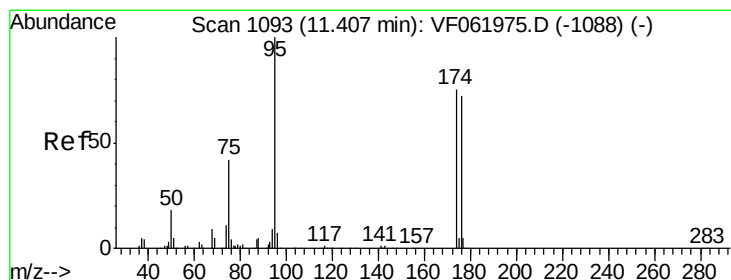
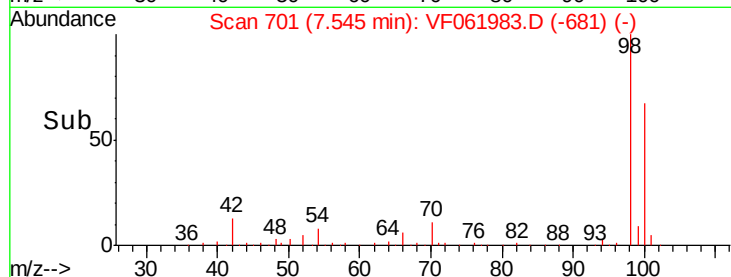
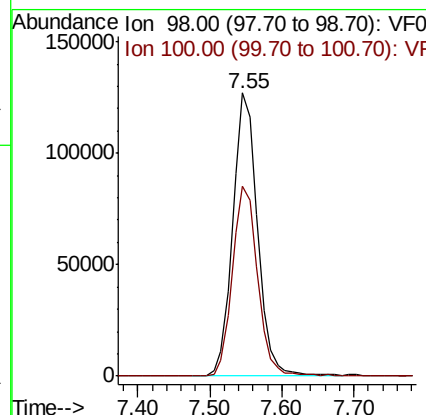
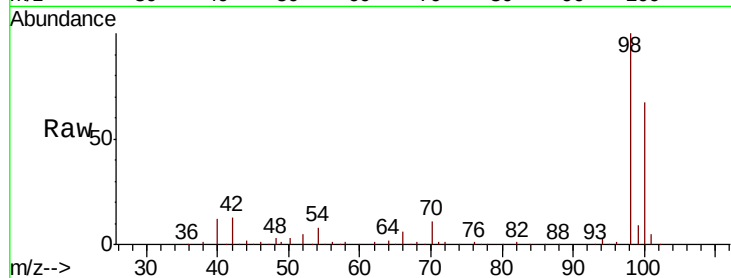




#50
Toluene-d8
Concen: 42.899 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061983.D
Acq: 16 Mar 2019 18:57

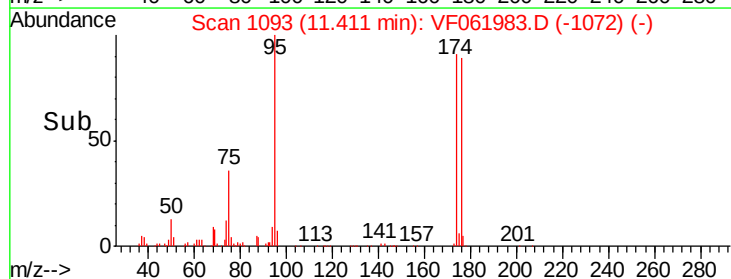
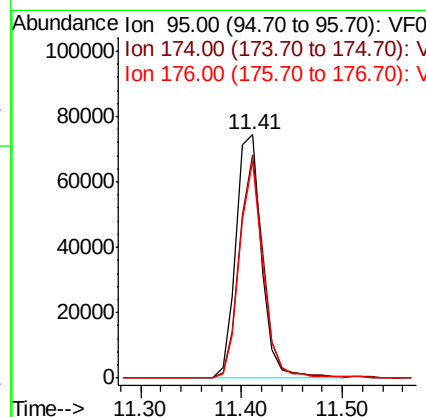
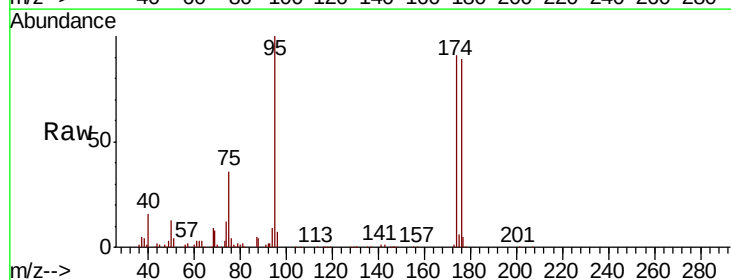
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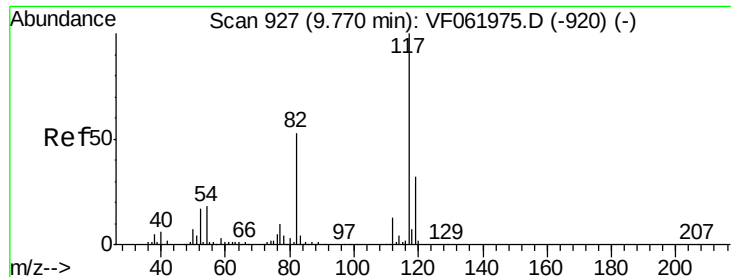
Tgt Ion: 98 Resp: 304790
Ion Ratio Lower Upper
98 100
100 66.9 56.8 85.2



#62
4-Bromofluorobenzene
Concen: 46.706 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061983.D
Acq: 16 Mar 2019 18:57

Tgt Ion: 95 Resp: 131826
Ion Ratio Lower Upper
95 100
174 91.4 0.0 149.4
176 89.1 0.0 143.4

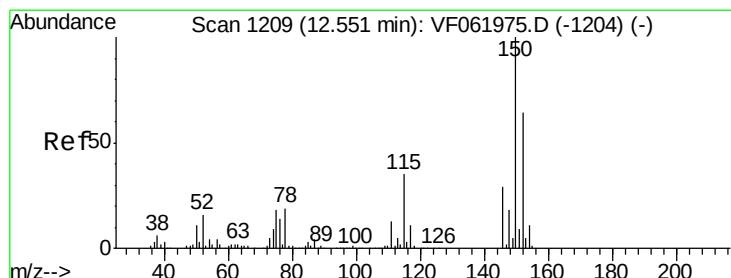
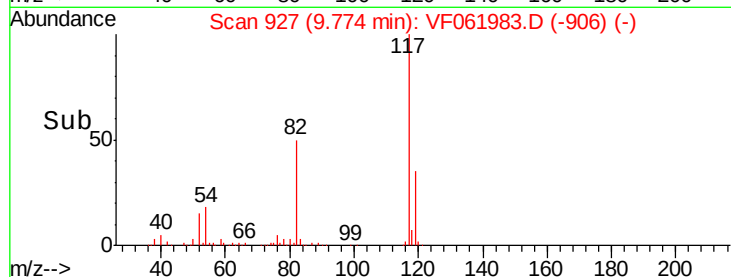
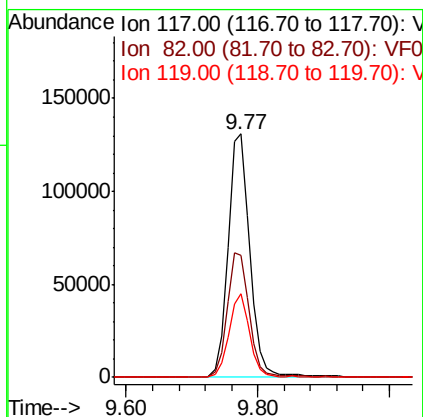
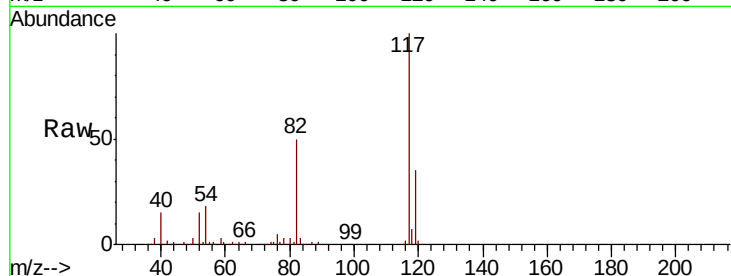




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061983.D
Acq: 16 Mar 2019 18:57

Instrument :
MSVOA_F
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BF-07-031119

Tgt Ion:117 Resp: 304725
Ion Ratio Lower Upper
117 100
82 50.3 42.5 63.7
119 34.5 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: VF061983.D
Acq: 16 Mar 2019 18:57

Tgt Ion:152 Resp: 167350
Ion Ratio Lower Upper
152 100
115 57.7 27.3 81.9
150 154.5 0.0 316.2

