

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061877.D
 Acq On : 8 Mar 2019 22:08
 Operator : VA/AP
 Sample : K1807-25
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-16

Quant Time: Mar 09 00:48:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

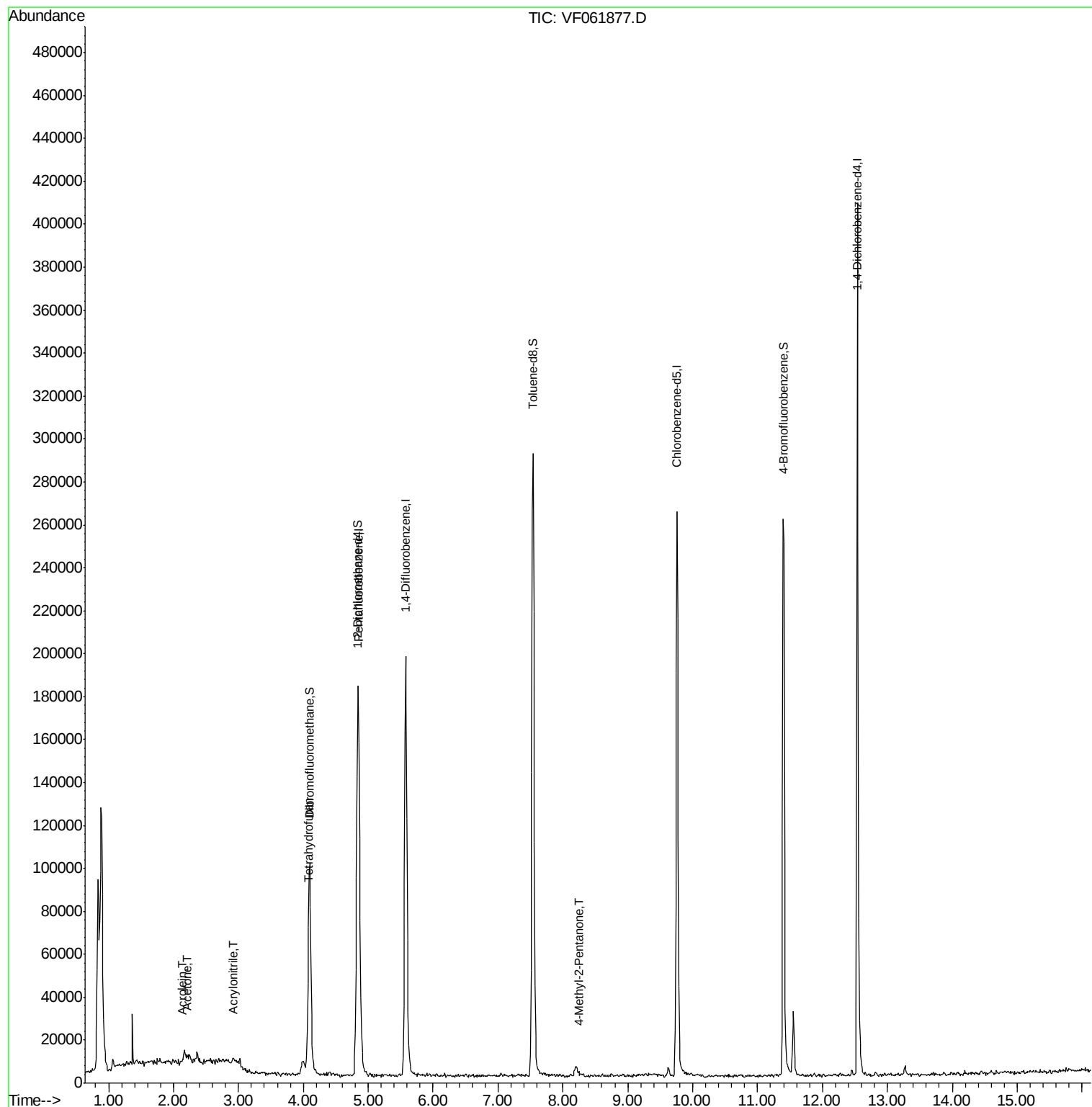
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	169044	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	247577	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	205422	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	109137	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	66315	53.87	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.74%	
35) Dibromofluoromethane	4.10	113	96566	55.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.78%	
50) Toluene-d8	7.54	98	262719	51.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.40	95	105139	52.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.52%	
Target Compounds						
					Qvalue	
13) Acrolein	2.14	56	150	1.694	ug/l	87
15) Acrylonitrile	2.93	53	327	1.470	ug/l #	13
16) Acetone	2.22	43	2589	10.040	ug/l #	50
18) Methyl Acetate	2.35	43	1140	Below Cal	#	62
20) Methylene Chloride	2.17	84	2761	Below Cal	#	84
29) Tetrahydrofuran	4.07	42	310	1.370	ug/l #	33
51) 4-Methyl-2-Pentanone	8.25	43	1053	1.259	ug/l #	87

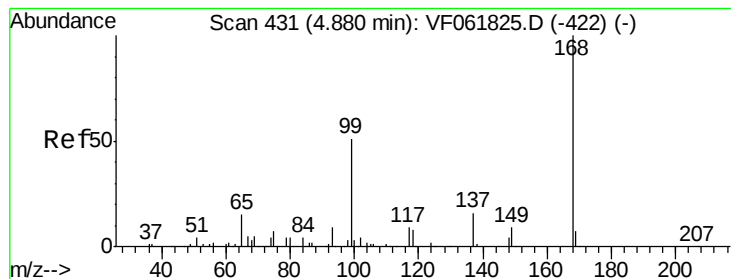
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030819\
Data File : VF061877.D
Acq On : 8 Mar 2019 22:08
Operator : VA/AP
Sample : K1807-25
Misc : 5.10q/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TP-16

Quant Time: Mar 09 00:48:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

Instrument :

MSVOA_F

ClientSampleId :

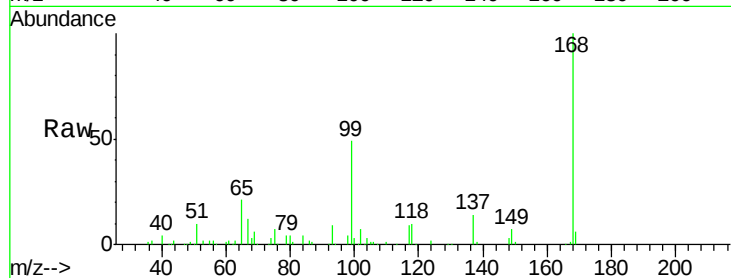
TP-16

Tot Ion:168 Resp: 169044

Ion Ratio Lower Upper

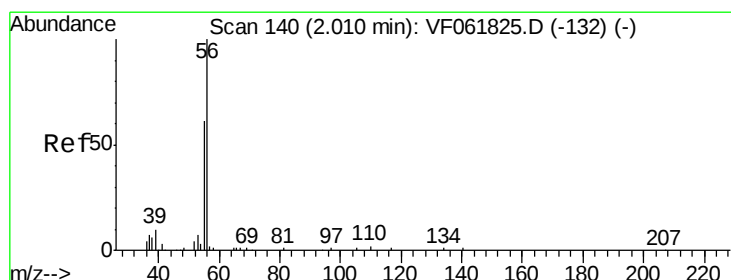
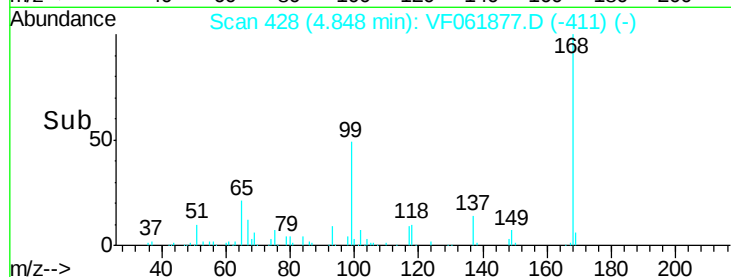
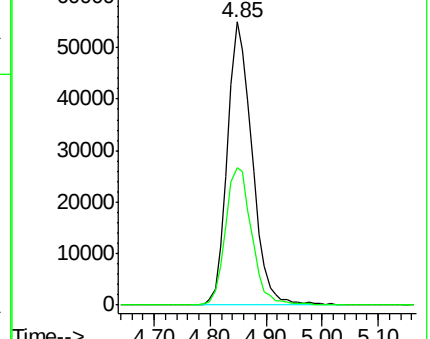
168 100

99 48.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 1.694 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.13 min

Lab File: VF061877.D

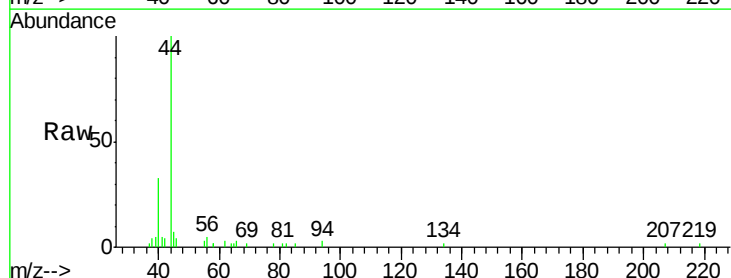
Acq: 8 Mar 2019 22:08

Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

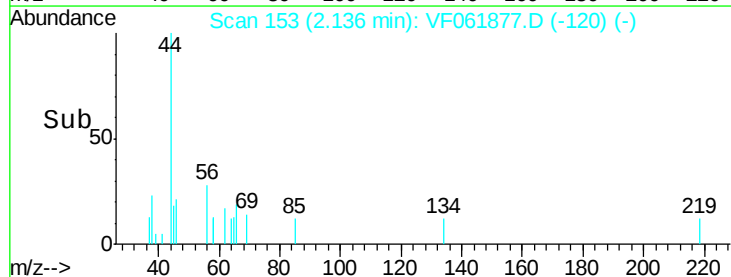
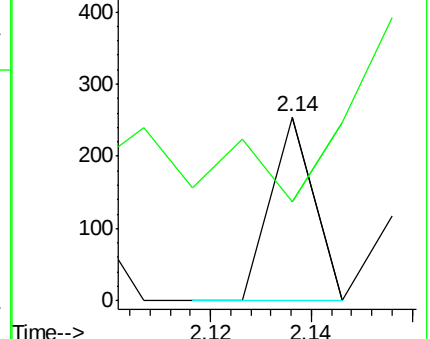
56 100

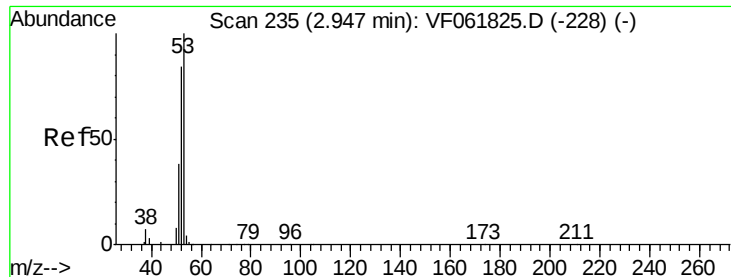
55 53.9 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.470 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

Instrument :

MSVOA_F

ClientSampled :

TP-16

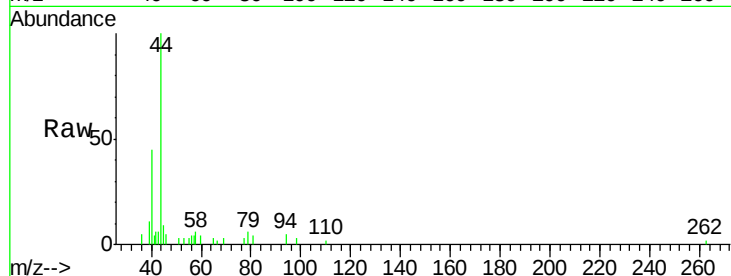
Tot Ion: 53 Resp: 327

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

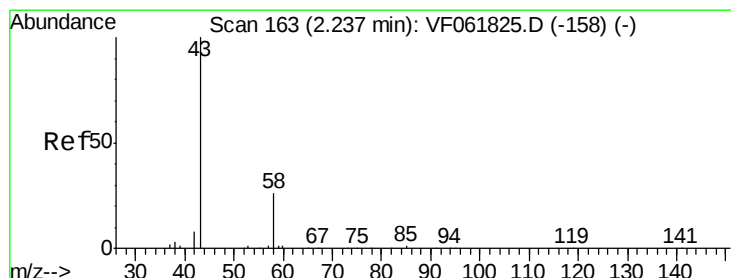
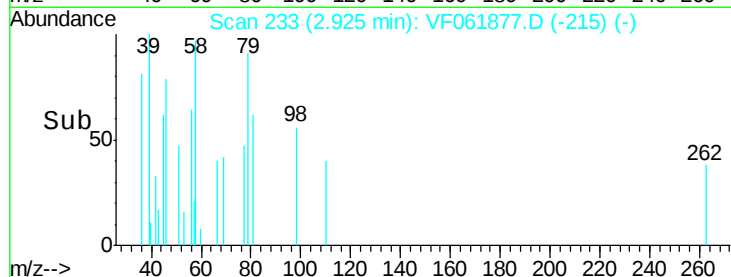
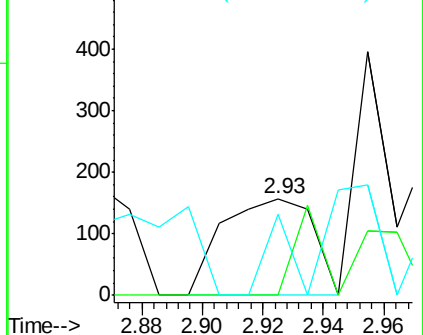
51 83.4 30.7 46.1#



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: 10.040 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061877.D

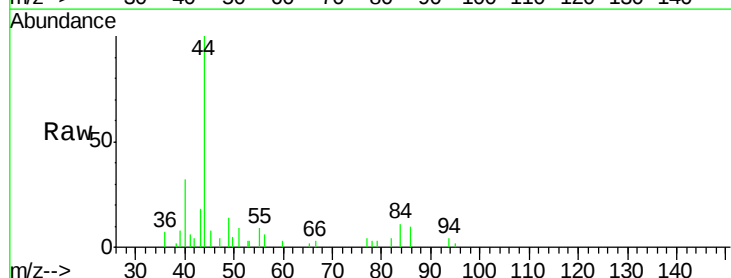
Acq: 8 Mar 2019 22:08

Tgt Ion: 43 Resp: 2589

Ion Ratio Lower Upper

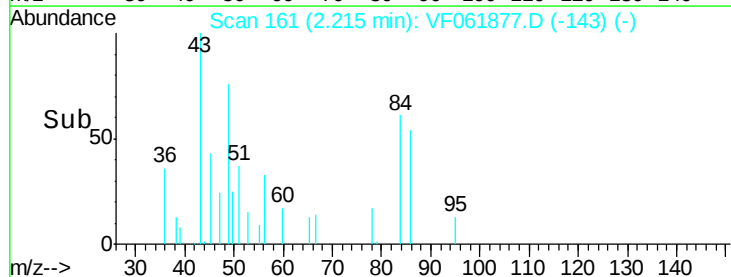
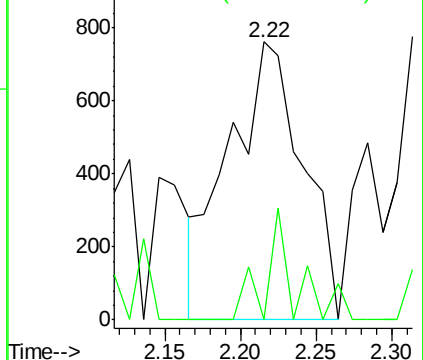
43 100

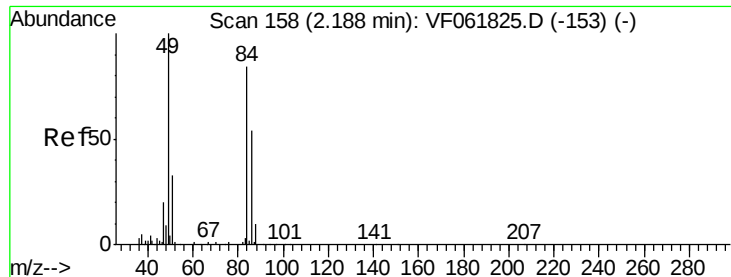
58 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

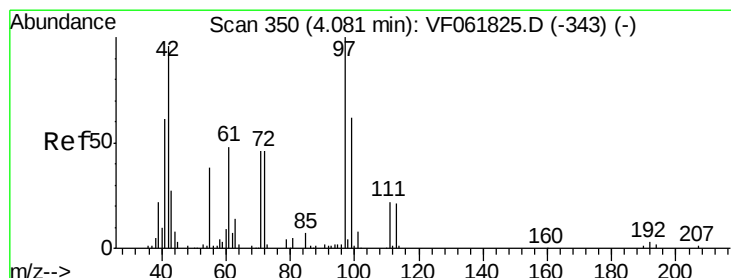
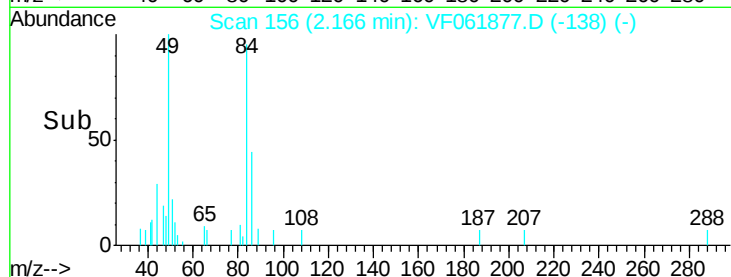
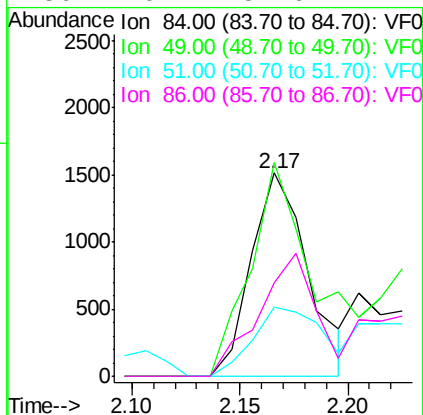
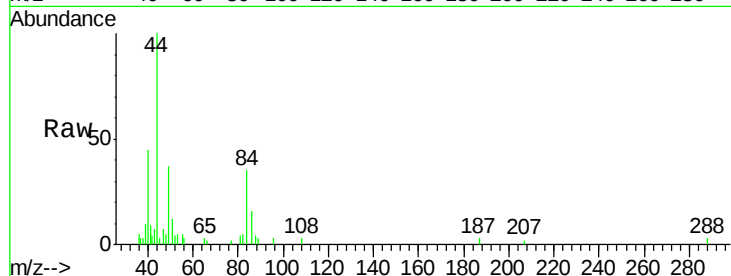




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061877.D
Acq: 8 Mar 2019 22:08

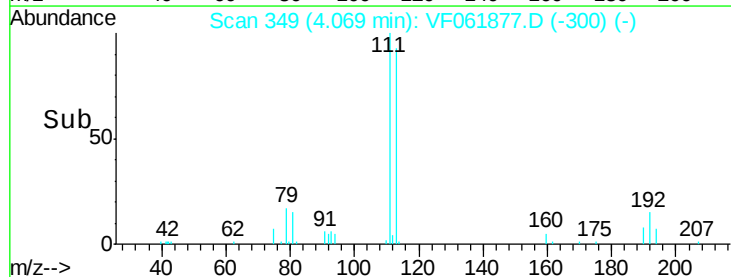
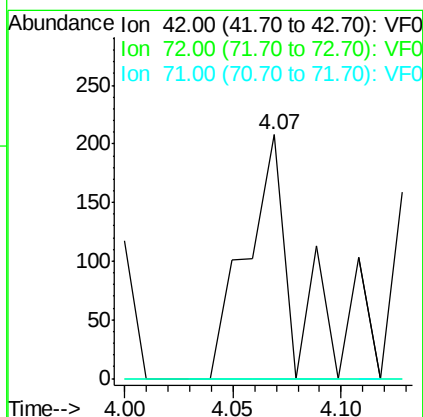
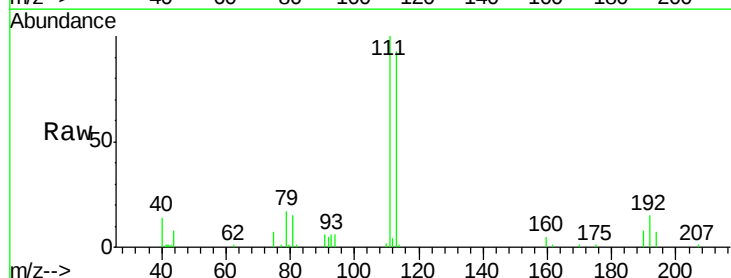
Instrument :
MSVOA_F
ClientSampled :
TP-16

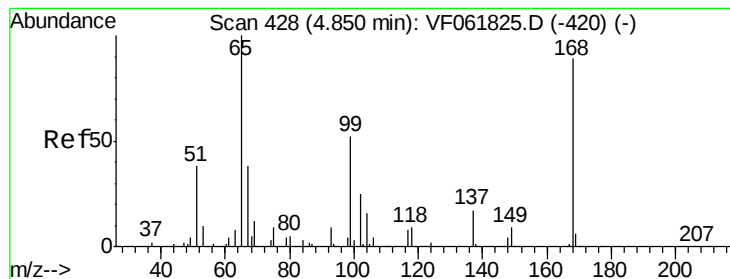
Tot Ion: 84 Resp: 2761
Ion Ratio Lower Upper
84 100
49 105.1 96.8 145.2
51 34.1 31.8 47.6
86 46.1 51.6 77.4#



#29
Tetrahydrofuran
Concen: 1.370 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061877.D
Acq: 8 Mar 2019 22:08

Tgt Ion: 42 Resp: 310
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 0.0 34.6 52.0#





#33

1,2-Dichloroethane-d4

Concen: 53.868 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

Instrument :

MSVOA_F

ClientSampleId :

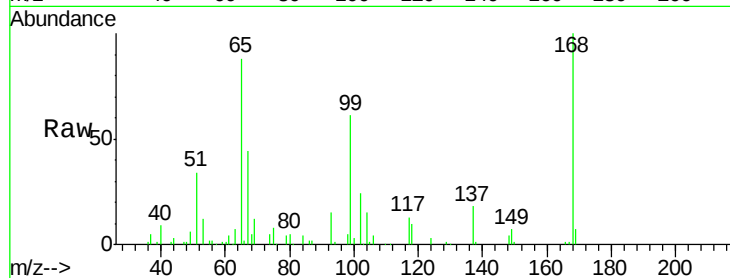
TP-16

Tot Ion: 65 Resp: 66315

Ion Ratio Lower Upper

65 100

67 50.0 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

25000

20000

15000

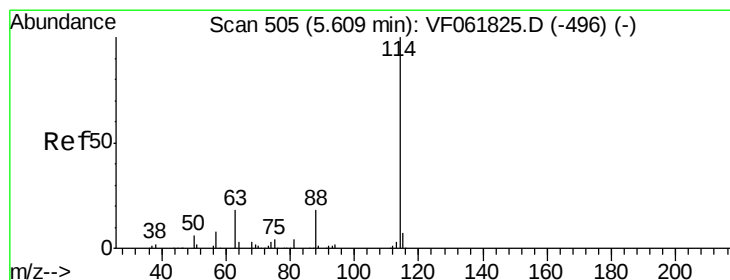
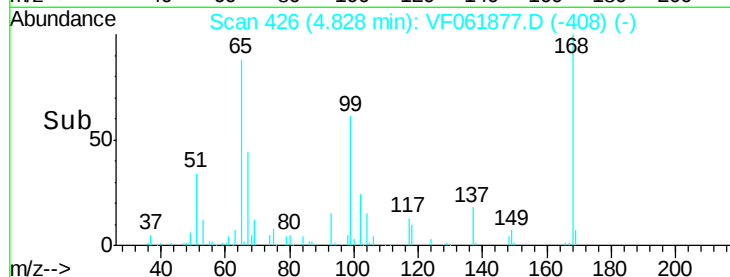
10000

5000

0

Time-->

4.70 4.80 4.90 5.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

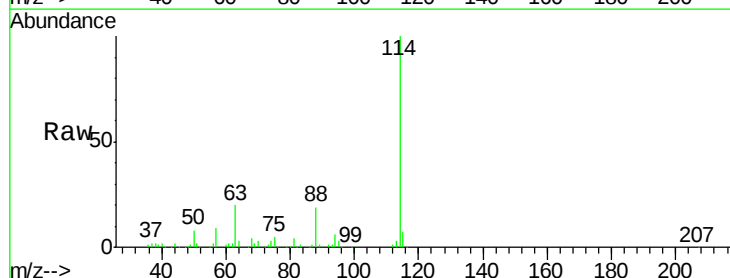
Tgt Ion: 114 Resp: 247577

Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.6

88 18.5 0.0 35.6



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

5.58

120000

100000

80000

60000

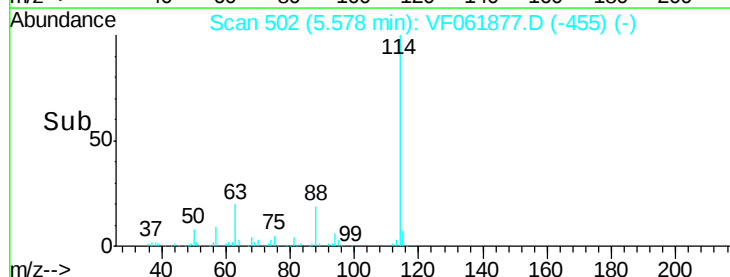
40000

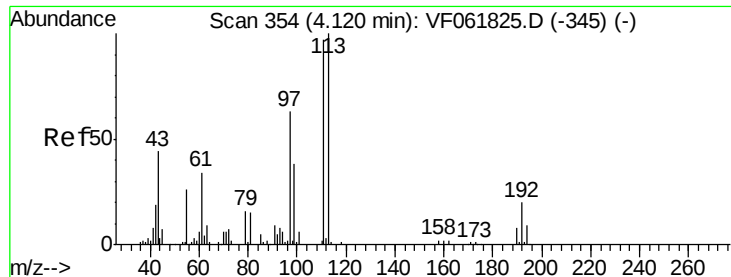
20000

0

Time-->

5.40 5.50 5.60 5.70 5.80





#35

Dibromofluoromethane

Concen: 55.891 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

Instrument :

MSVOA_F

ClientSampleId :

TP-16

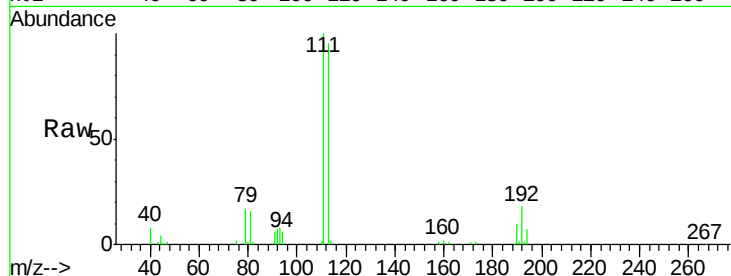
Tot Ion:113 Resp: 96566

Ion Ratio Lower Upper

113 100

111 105.1 77.6 116.4

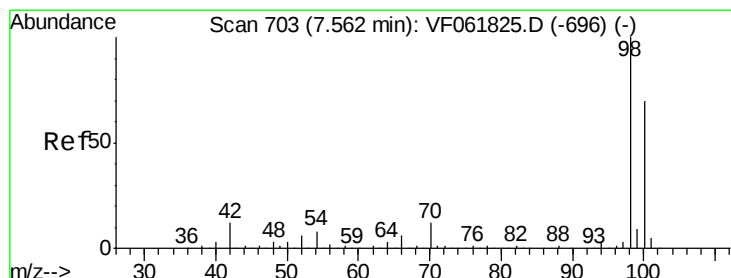
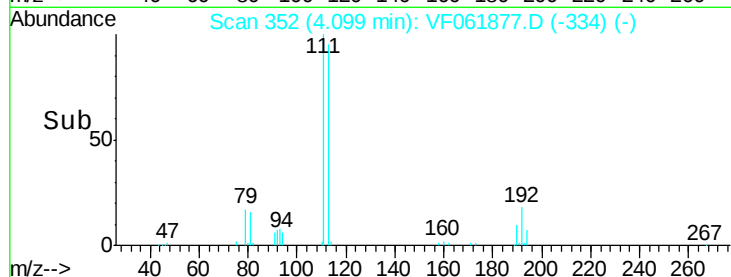
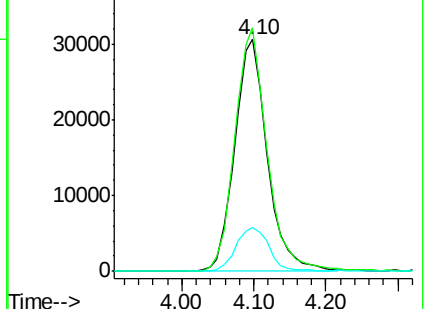
192 19.1 15.9 23.9



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: 51.158 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061877.D

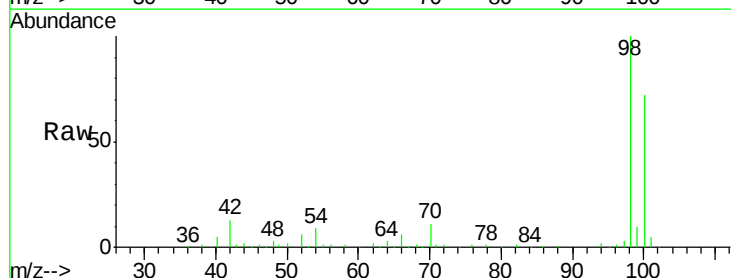
Acq: 8 Mar 2019 22:08

Tgt Ion: 98 Resp: 262719

Ion Ratio Lower Upper

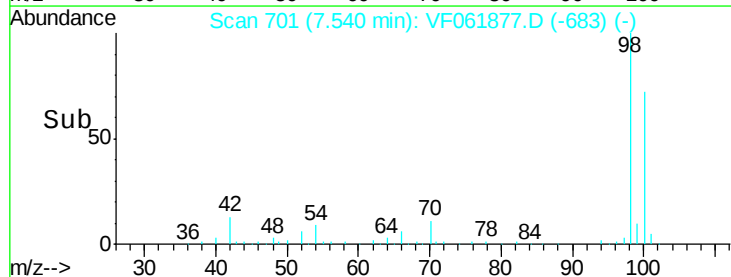
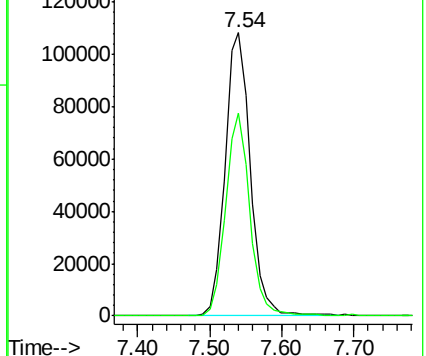
98 100

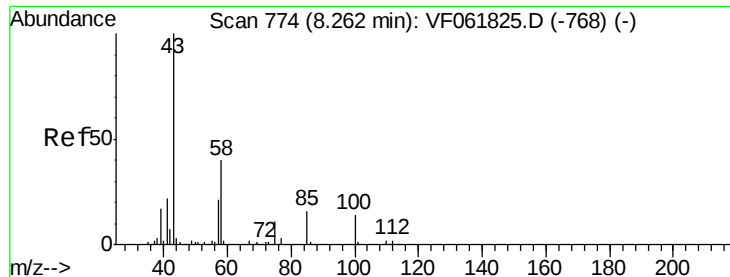
100 71.7 56.0 84.0



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: 1.259 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

Instrument :

MSVOA_F

ClientSampled :

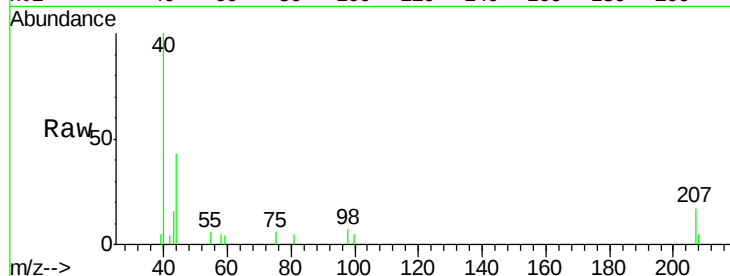
TP-16

Tot Ion: 43 Resp: 1053

Ion Ratio Lower Upper

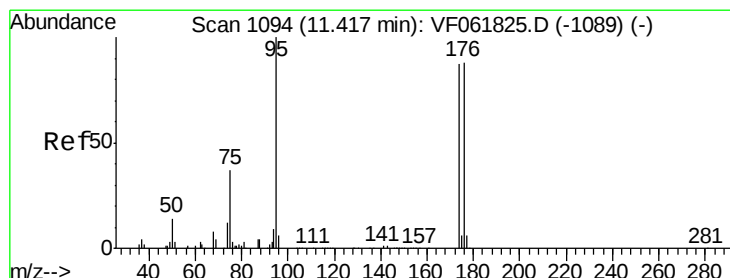
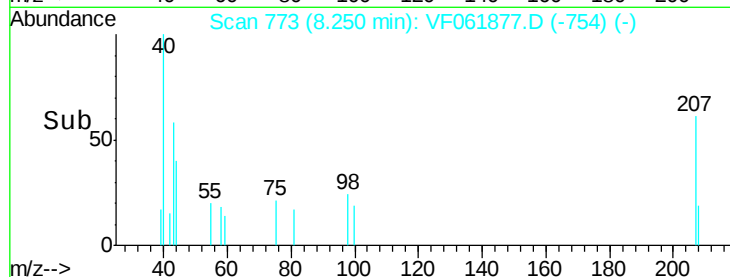
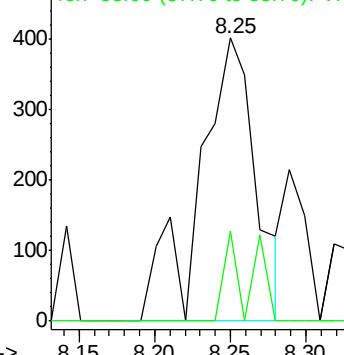
43 100

58 31.7 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 52.264 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061877.D

Acq: 8 Mar 2019 22:08

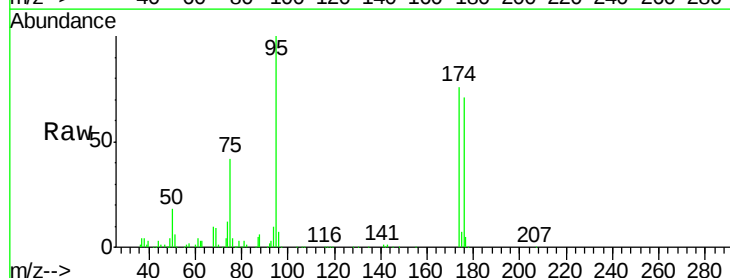
Tgt Ion: 95 Resp: 105139

Ion Ratio Lower Upper

95 100

174 76.3 0.0 174.0

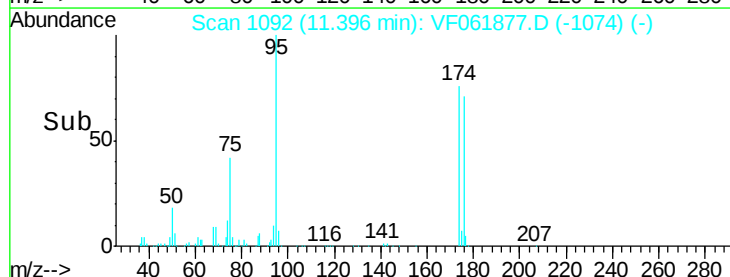
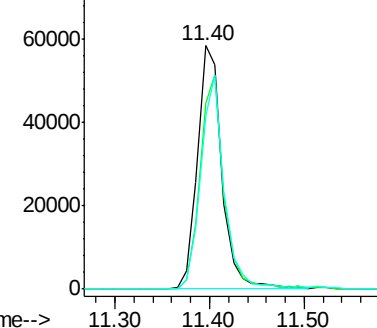
176 71.1 0.0 175.2

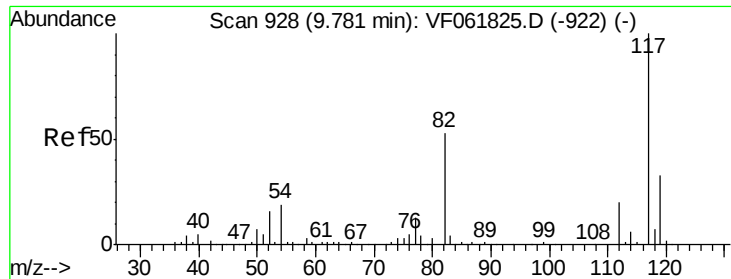


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

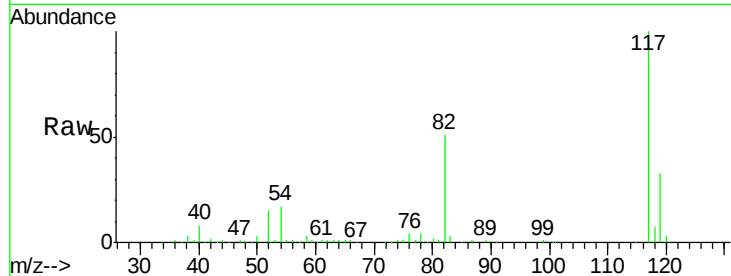




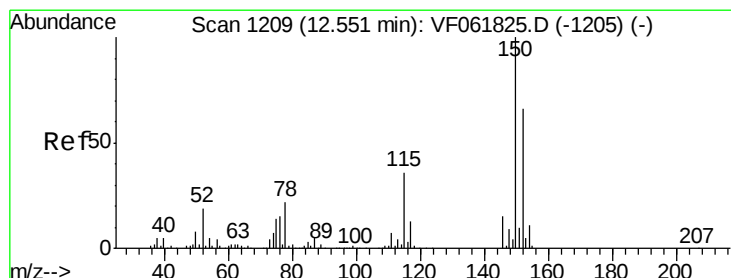
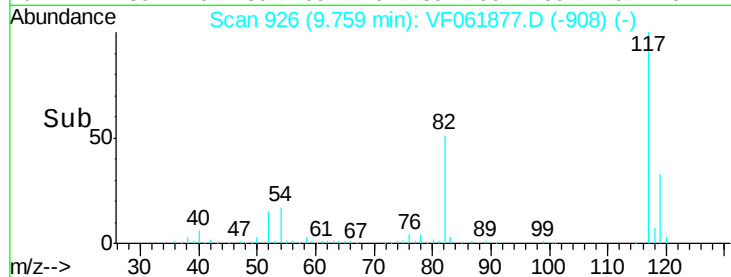
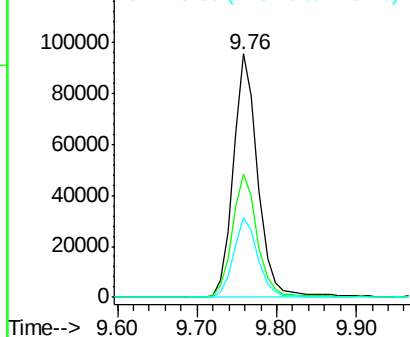
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061877.D
Acq: 8 Mar 2019 22:08

Instrument :
MSVOA_F
ClientSampleId :
TP-16

Tot Ion:117 Resp: 205422
Ion Ratio Lower Upper
117 100
82 50.7 42.6 63.8
119 33.0 26.0 39.0

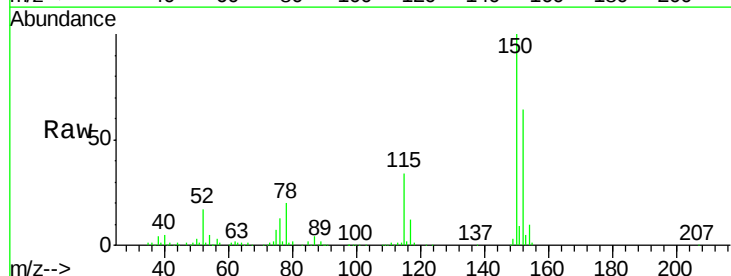


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061877.D
Acq: 8 Mar 2019 22:08

Tgt Ion:152 Resp: 109137
Ion Ratio Lower Upper
152 100
115 53.5 27.7 83.1
150 157.3 0.0 304.2



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

