

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF062002.D
 Acq On : 18 Mar 2019 17:30
 Operator : VA/AP
 Sample : K1931-02
 Misc : 4.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LSP-1

Quant Time: Mar 19 01:57:26 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

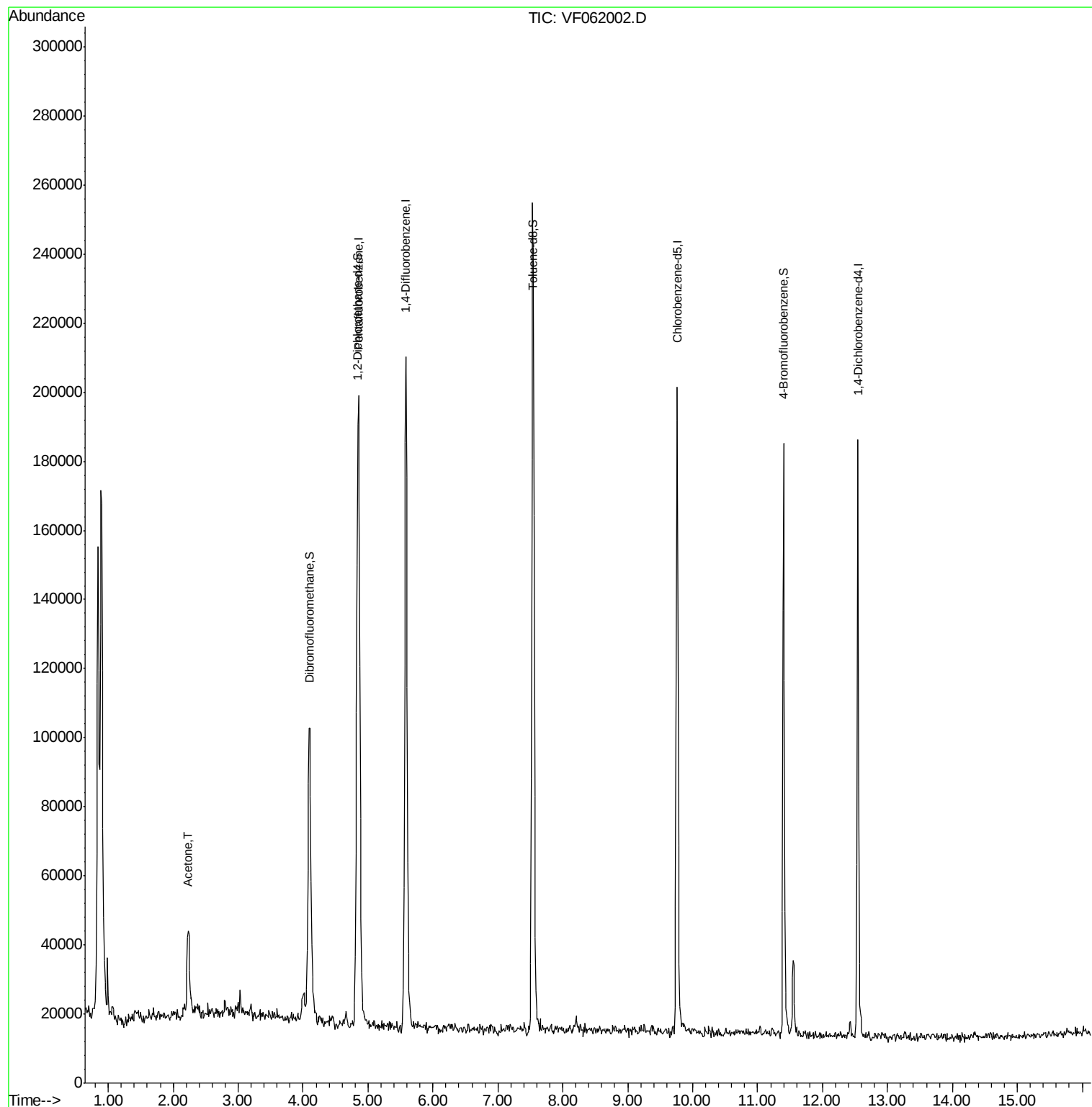
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	174558	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	240012	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	157141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	55534	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	52028	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
35) Dibromofluoromethane	4.09	113	89002	55.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.44%	
50) Toluene-d8	7.54	98	224334	47.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	11.40	95	65919	35.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.44%	
Target Compounds						
16) Acetone	2.23	43	47862	169.627	ug/l	Qvalue 96

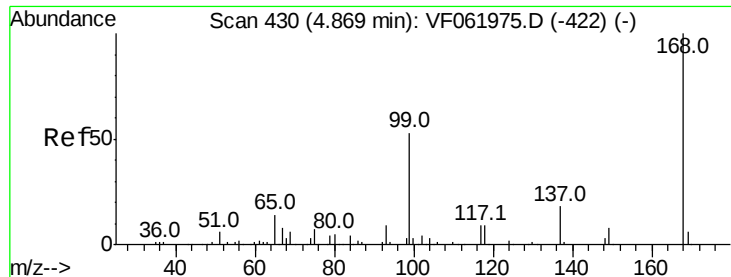
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031819\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF062002.D

Acq: 18 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

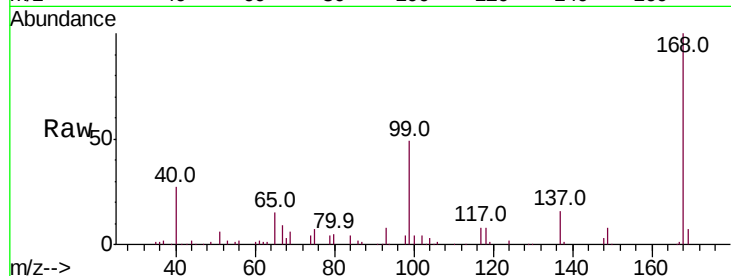
LSP-1

Tot Ion:168 Resp: 174558

Ion Ratio Lower Upper

168 100

99 49.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

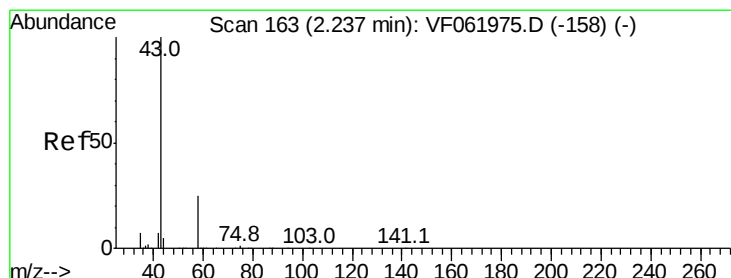
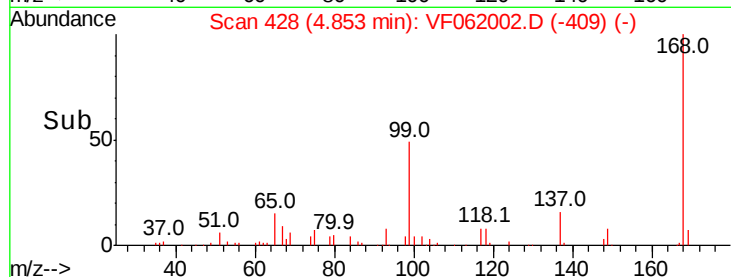
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 169.627 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062002.D

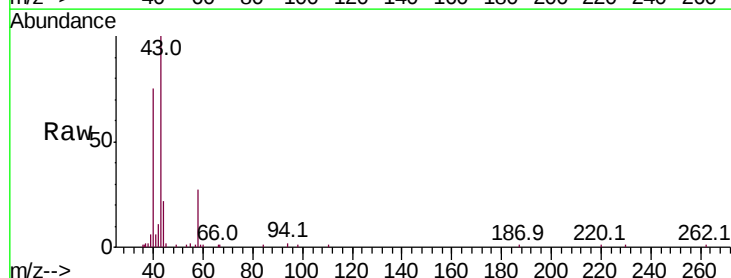
Acq: 18 Mar 2019 17:30

Tgt Ion: 43 Resp: 47862

Ion Ratio Lower Upper

43 100

58 26.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

15000

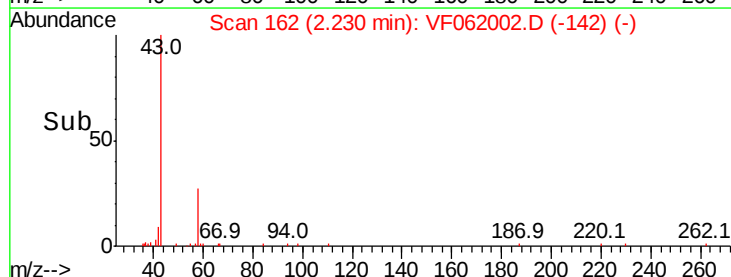
10000

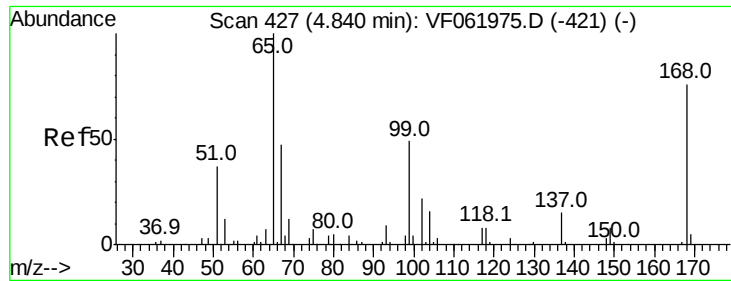
5000

0

Time-->

2.10 2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 41.406 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF062002.D

Acq: 18 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

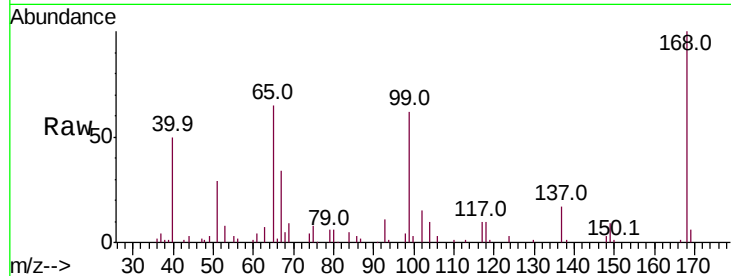
LSP-1

Tot Ion: 65 Resp: 52028

Ion Ratio Lower Upper

65 100

67 52.8 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

20000

15000

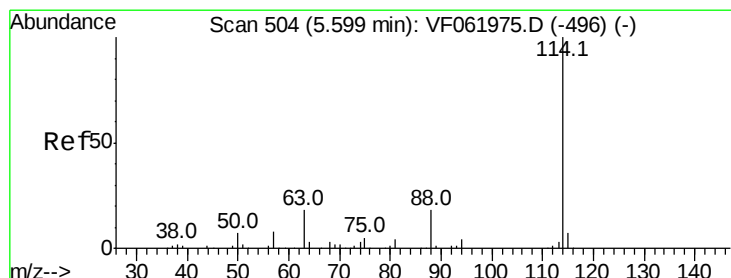
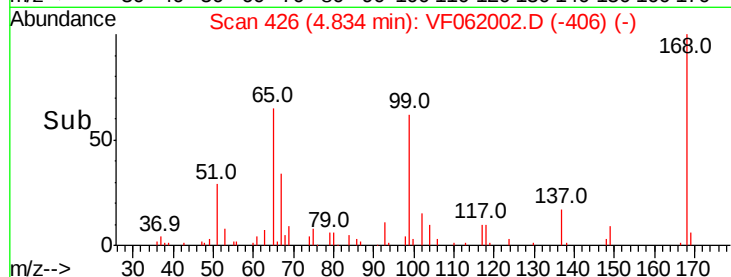
10000

5000

0

4.70 4.80 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF062002.D

Acq: 18 Mar 2019 17:30

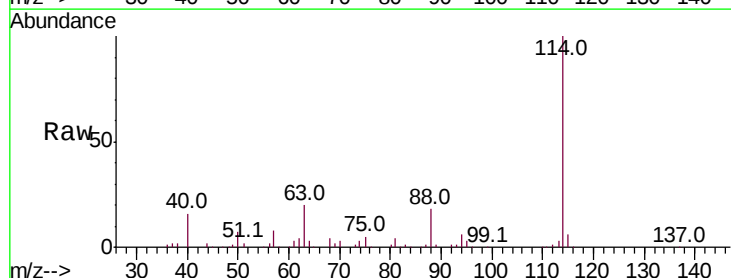
Tgt Ion:114 Resp: 240012

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 18.0 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

120000

100000

80000

60000

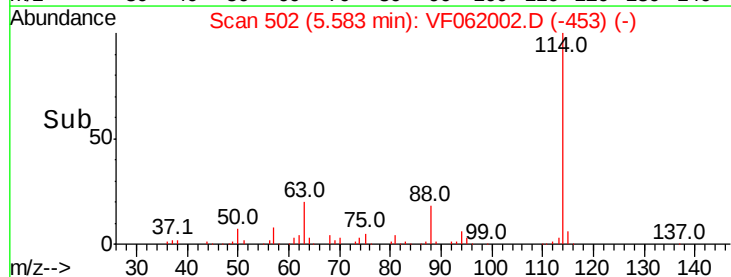
40000

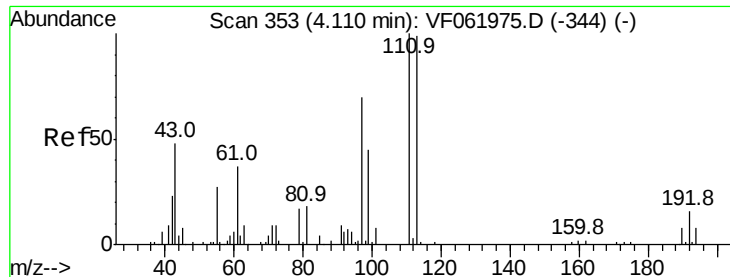
20000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 55.221 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062002.D

Acq: 18 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
LSP-1

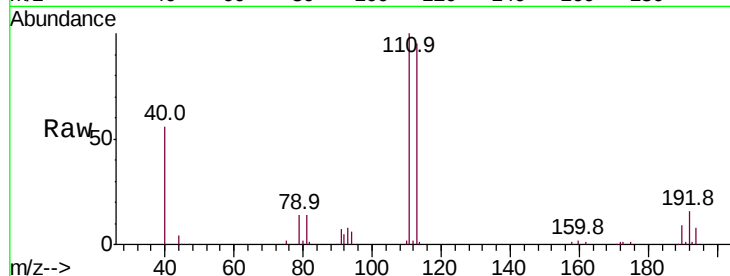
Tot Ion:113 Resp: 89002

Ion Ratio Lower Upper

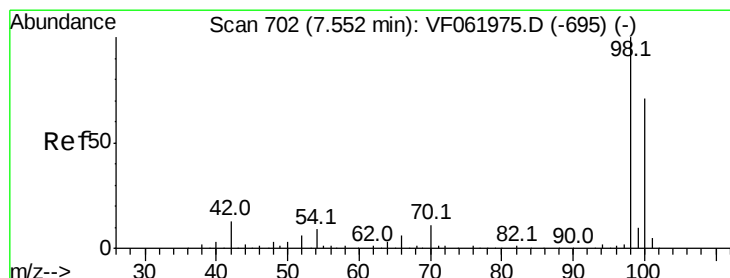
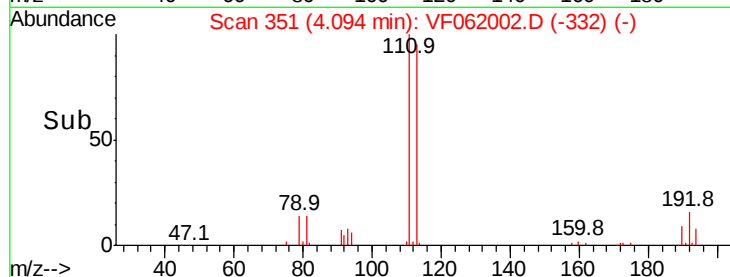
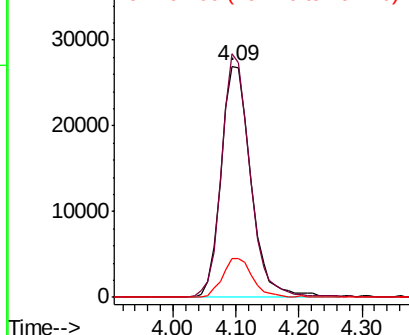
113 100

111 105.4 80.8 121.2

192 17.6 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: 47.614 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062002.D

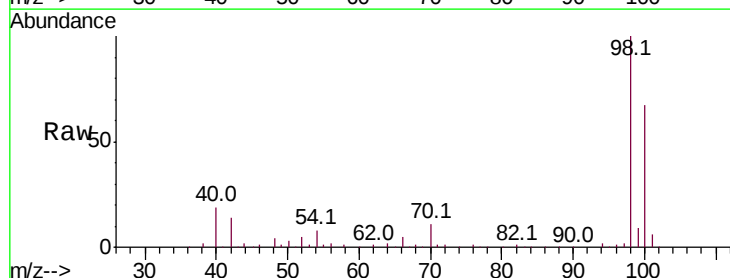
Acq: 18 Mar 2019 17:30

Tgt Ion: 98 Resp: 224334

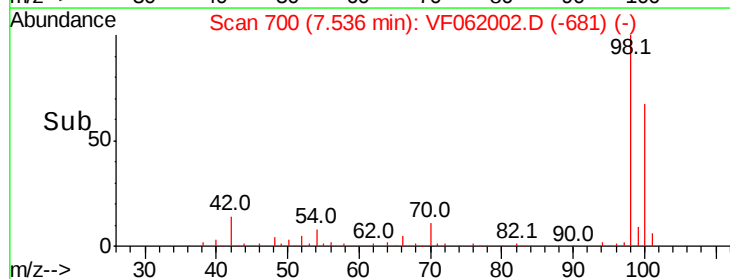
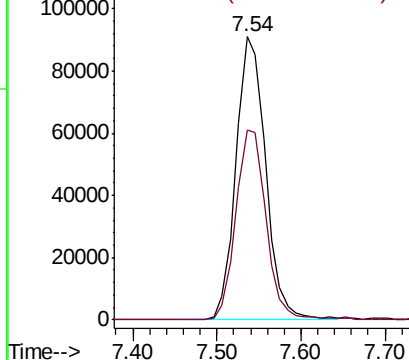
Ion Ratio Lower Upper

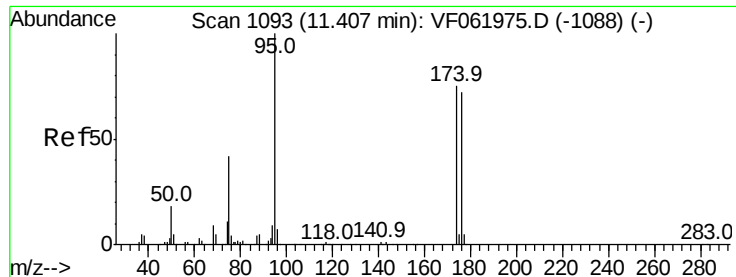
98 100

100 67.1 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: 35.218 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062002.D

Acq: 18 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

LSP-1

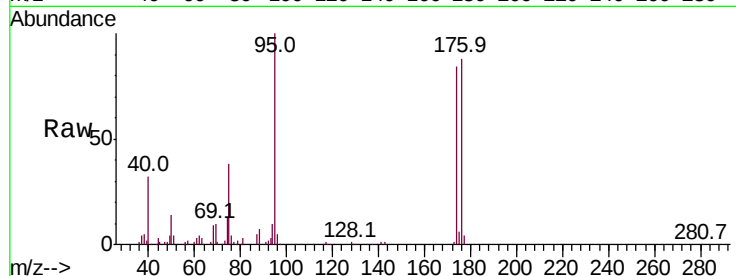
Tot Ion: 95 Resp: 65919

Ion Ratio Lower Upper

95 100

174 84.3 0.0 149.4

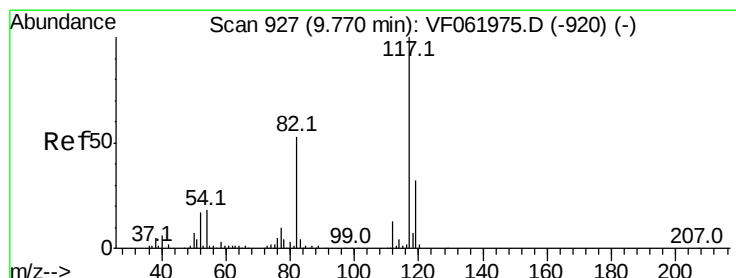
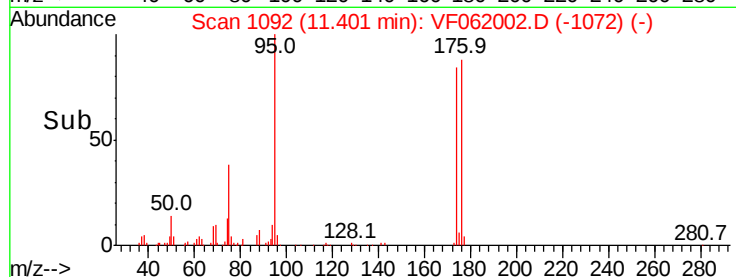
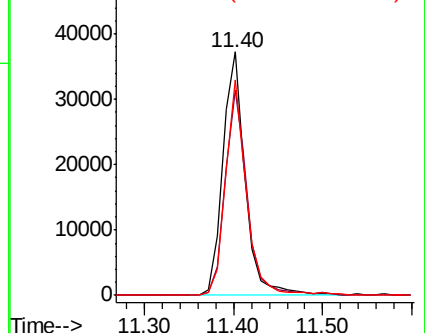
176 88.2 0.0 143.4



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: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF062002.D

Acq: 18 Mar 2019 17:30

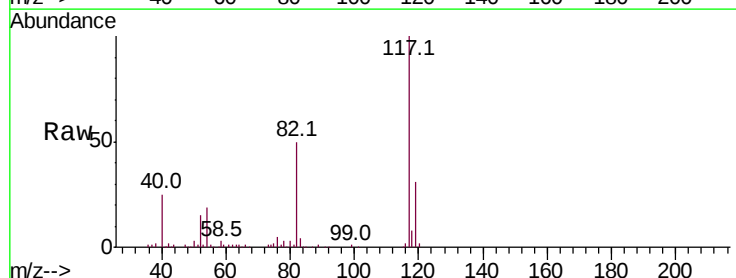
Tgt Ion: 117 Resp: 157141

Ion Ratio Lower Upper

117 100

82 50.5 42.5 63.7

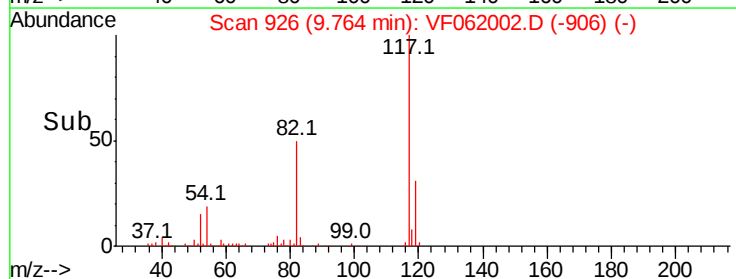
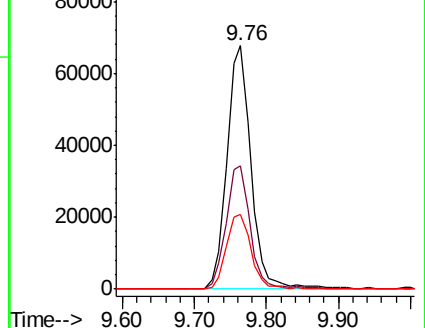
119 30.8 25.4 38.0

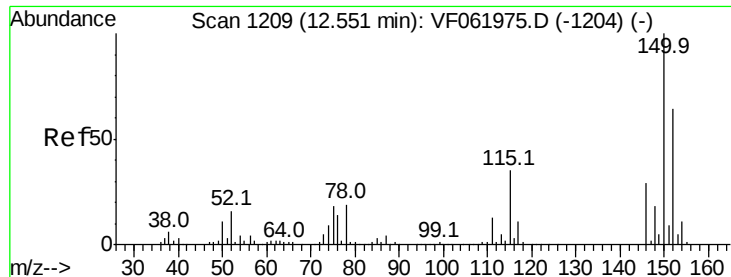


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

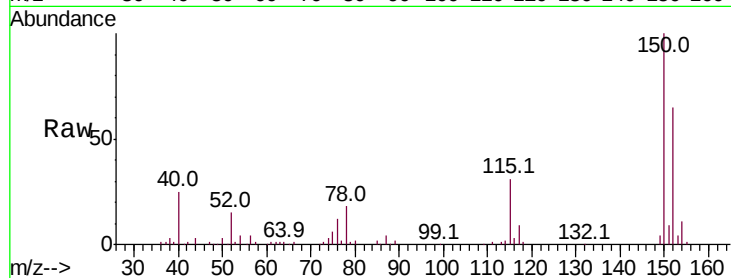




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF062002.D
 Acq: 18 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 LSP-1

Tot Ion:152 Resp: 55534
 Ion Ratio Lower Upper
 152 100
 115 47.7 27.3 81.9
 150 153.3 0.0 316.2



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

