

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061604.D
 Acq On : 12 Feb 2019 12:51
 Operator : VA/AP
 Sample : VF0212SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0212SBL01

Quant Time: Feb 13 02:58:37 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	166437	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	290782	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	269364	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	147896	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	102440	49.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	4.08	113	118597	51.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	7.53	98	296369	47.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.39	95	150205	51.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.28%	

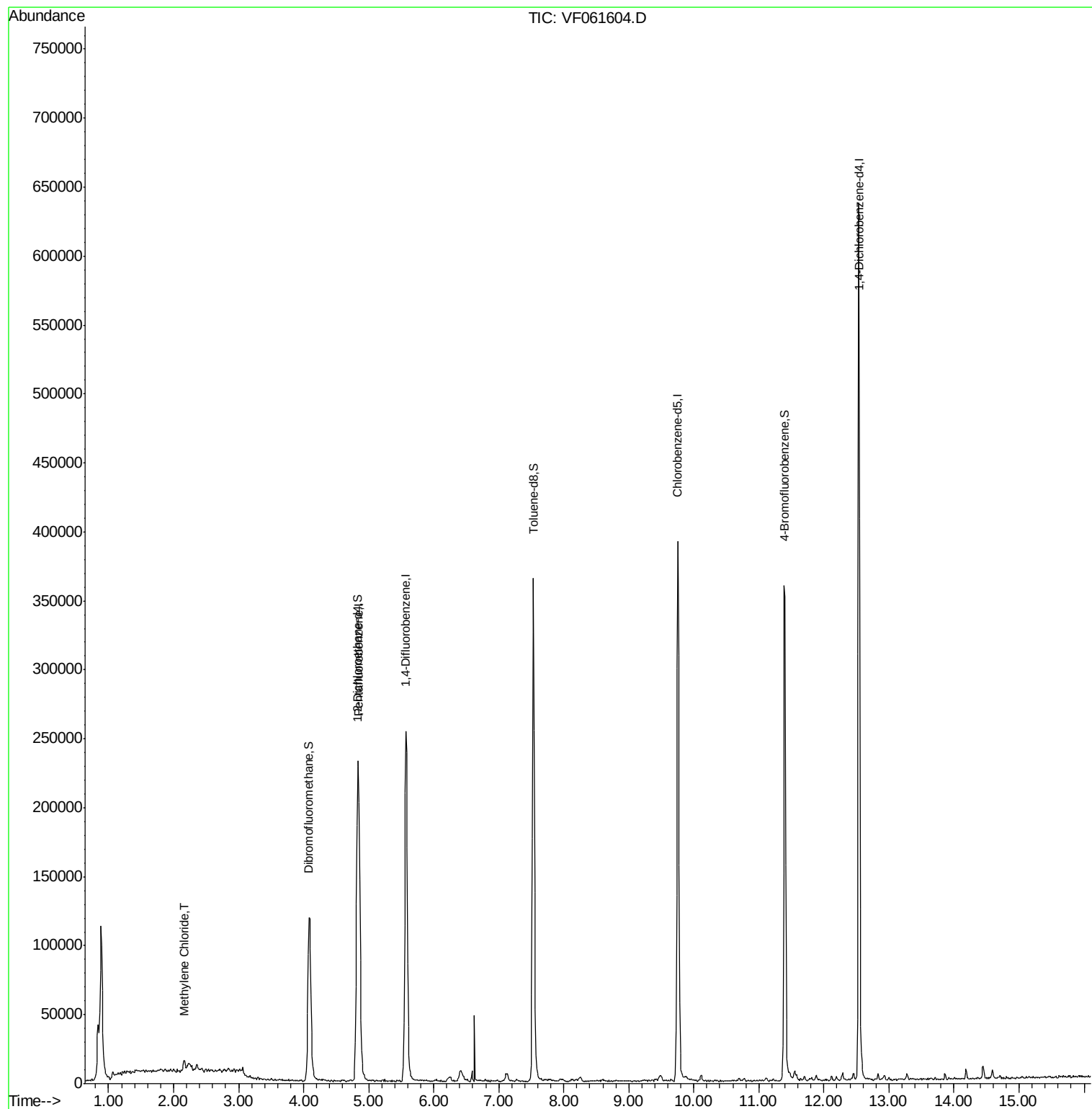
Target Compounds					Qvalue
20) Methylene Chloride	2.17	84	6435m	2.945	ug/l

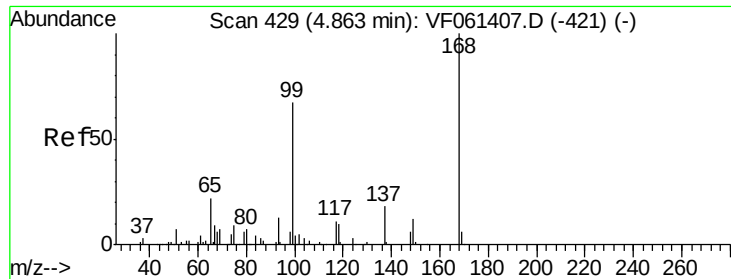
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061604.D

Acq: 12 Feb 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

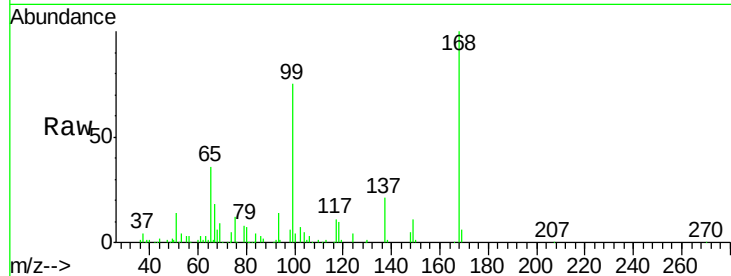
VF0212SBL01

Tot Ion:168 Resp: 166437

Ion Ratio Lower Upper

168 100

99 74.5 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

50000

40000

30000

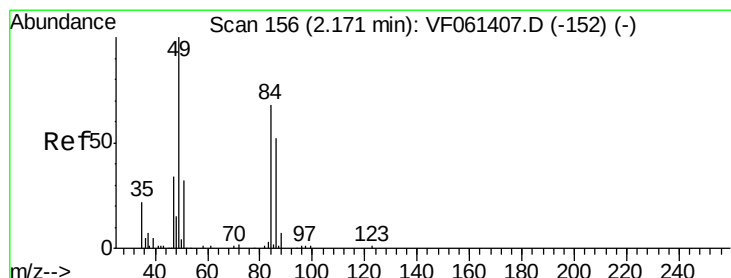
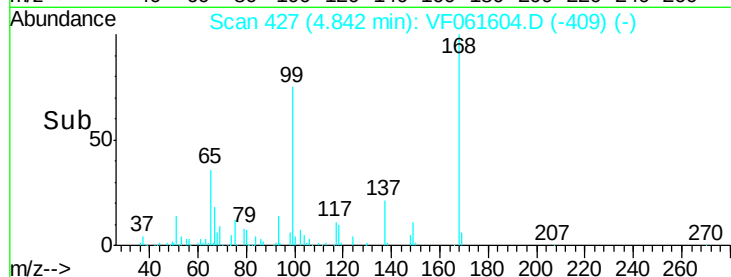
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#20

Methylene Chloride

Concen: 2.945 ug/l m

RT: 2.17 min Scan# 156

Delta R.T. -0.00 min

Lab File: VF061604.D

Acq: 12 Feb 2019 12:51

Tgt Ion: 84 Resp: 6435

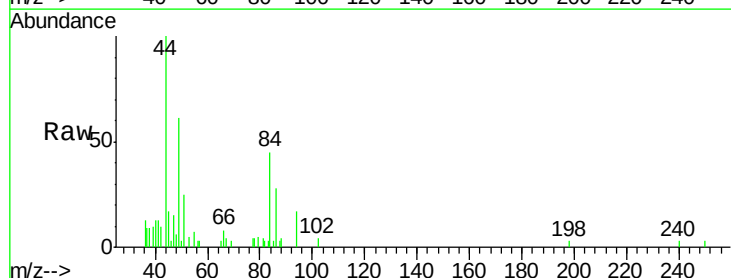
Ion Ratio Lower Upper

84 100

49 135.1 120.0 180.0

51 55.1 38.6 58.0

86 61.3 61.0 91.6



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3000

2500

2000

1500

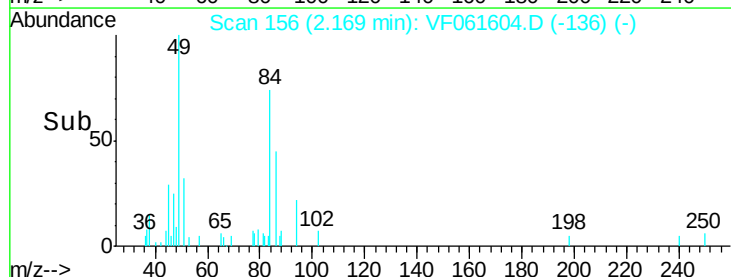
1000

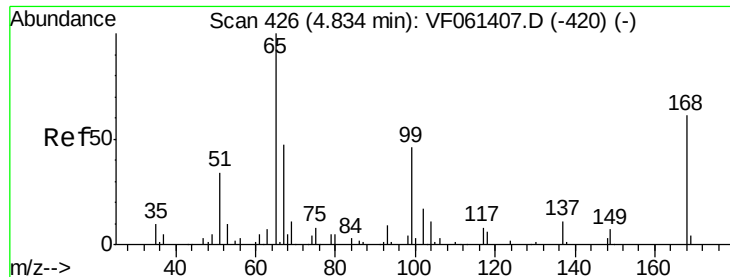
500

0

2.10 2.20 2.30 2.40

Time-->

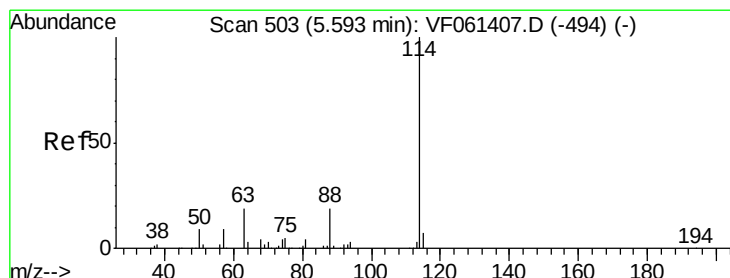
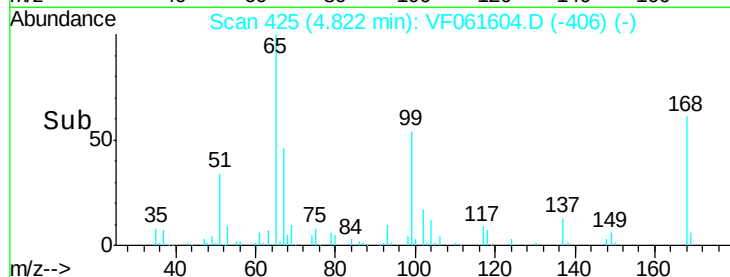
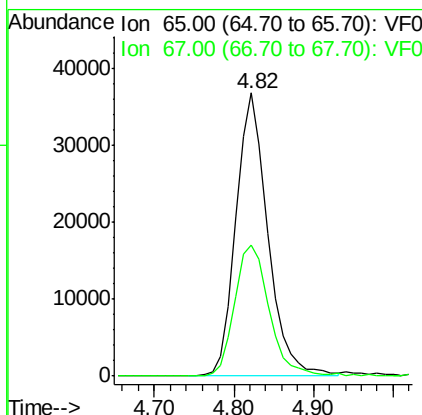
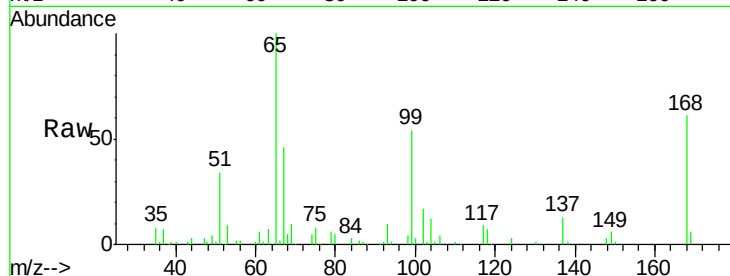




#33
 1,2-Dichloroethane-d4
 Concen: 49.852 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: VF061604.D
 Acq: 12 Feb 2019 12:51

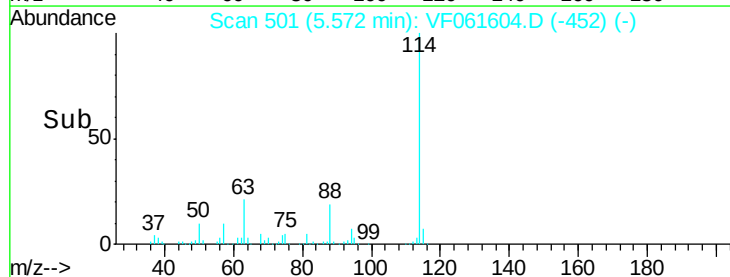
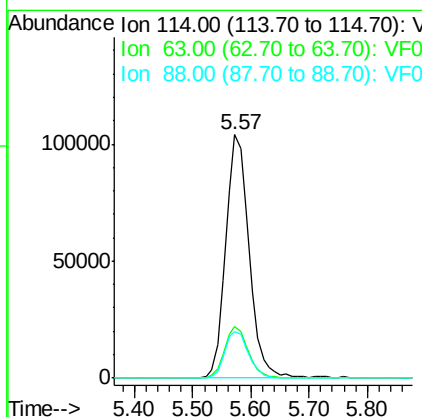
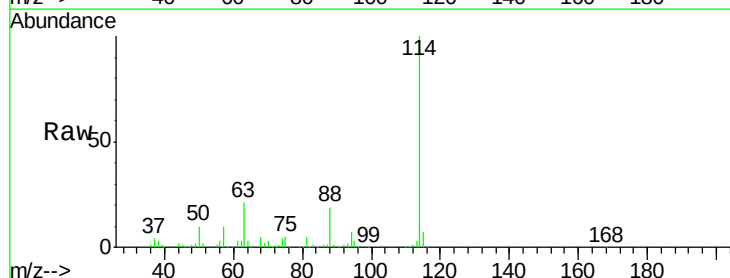
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0212SBL01

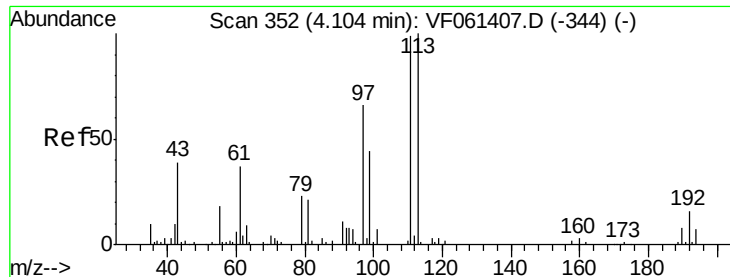
Tot Ion: 65 Resp: 102440
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061604.D
 Acq: 12 Feb 2019 12:51

Tgt Ion: 114 Resp: 290782
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.0
 88 19.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 51.687 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061604.D

Acq: 12 Feb 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF0212SBL01

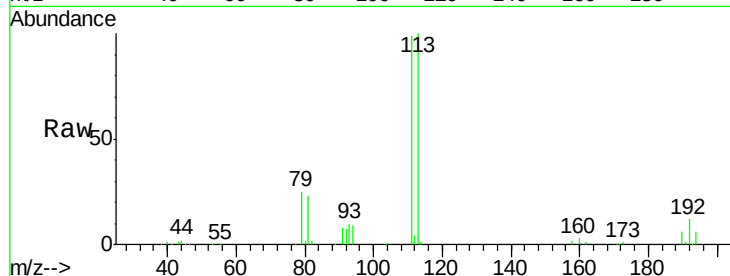
Tot Ion:113 Resp: 118597

Ion Ratio Lower Upper

113 100

111 99.0 79.4 119.0

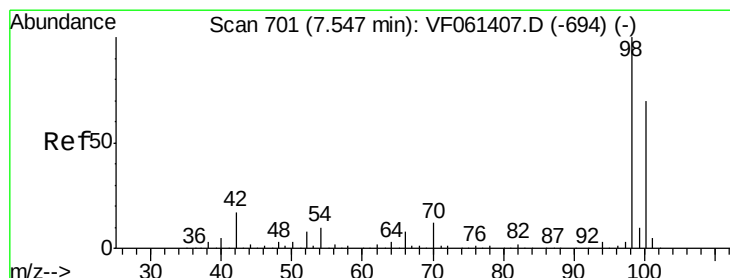
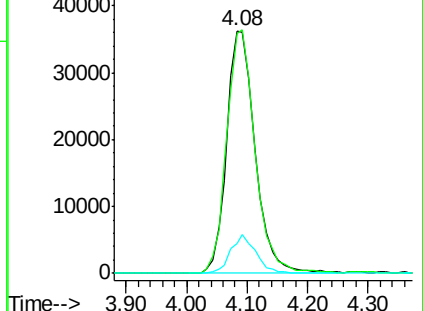
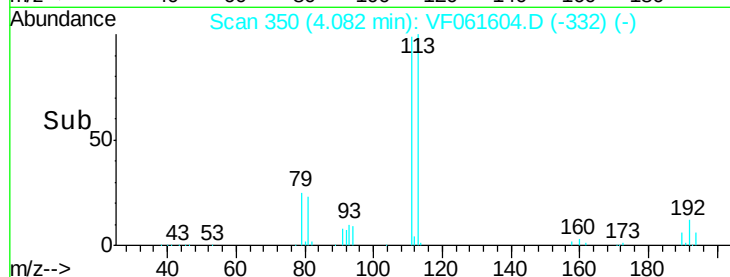
192 12.8 12.4 18.6



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: 47.143 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061604.D

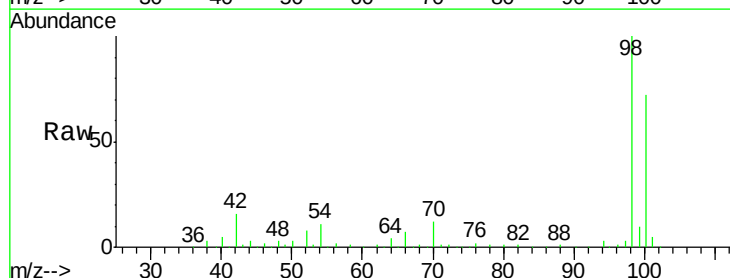
Acq: 12 Feb 2019 12:51

Tgt Ion: 98 Resp: 296369

Ion Ratio Lower Upper

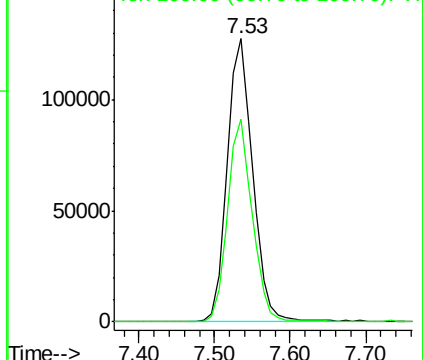
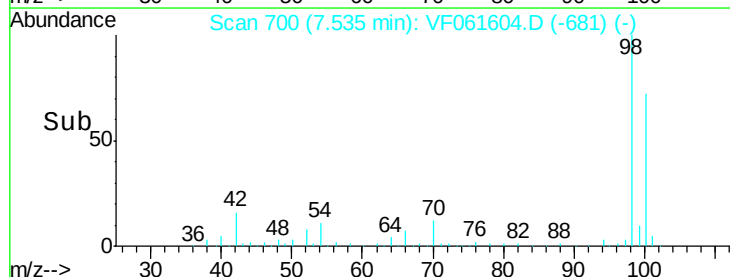
98 100

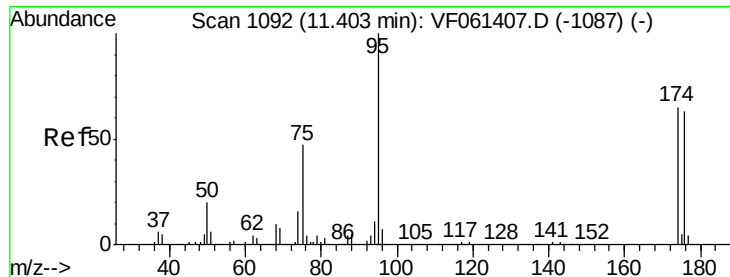
100 71.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 51.138 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061604.D

Acq: 12 Feb 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF0212SBL01

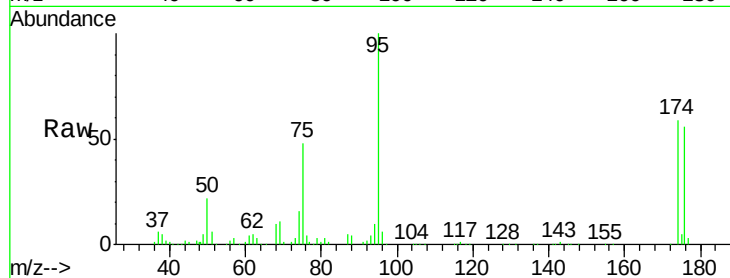
Tot Ion: 95 Resp: 150205

Ion Ratio Lower Upper

95 100

174 59.1 0.0 130.4

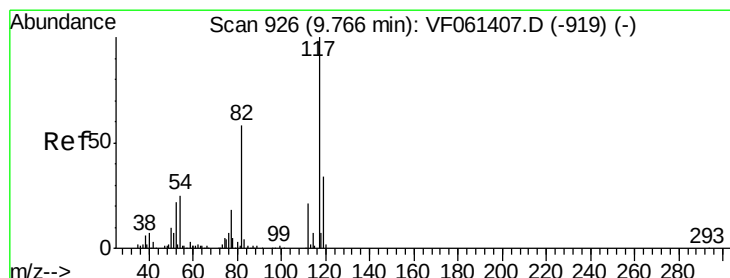
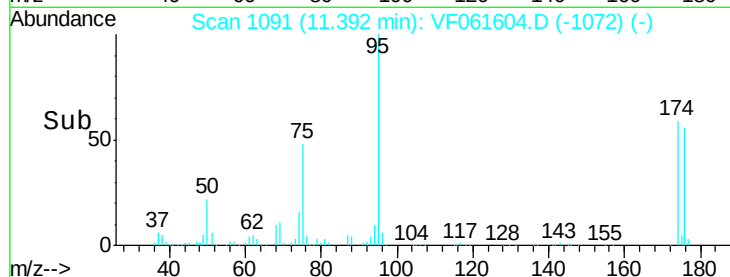
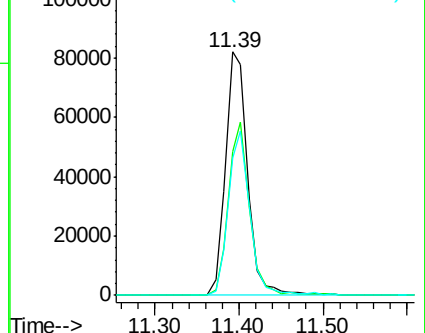
176 56.3 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VF061604.D

Acq: 12 Feb 2019 12:51

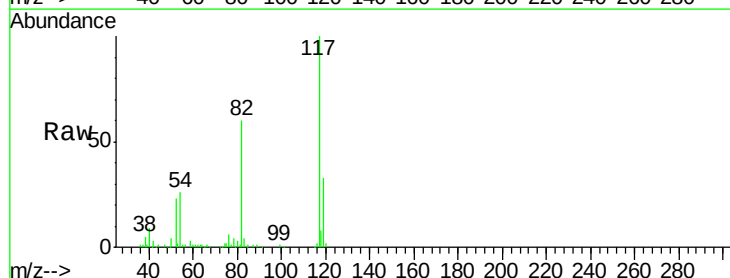
Tgt Ion: 117 Resp: 269364

Ion Ratio Lower Upper

117 100

82 60.0 46.4 69.6

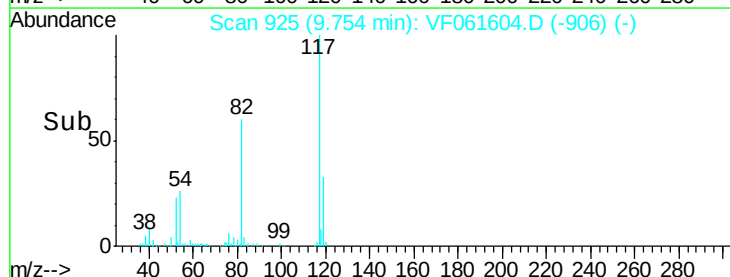
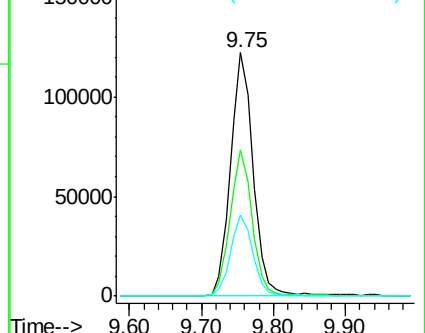
119 33.2 27.2 40.8

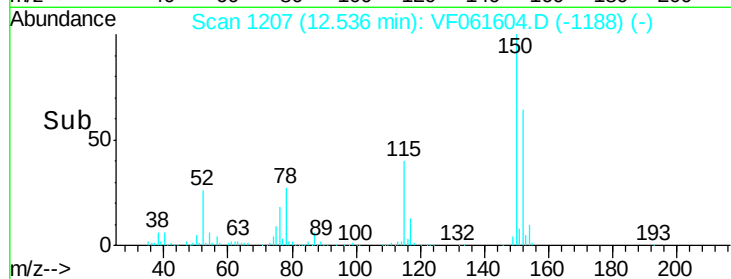
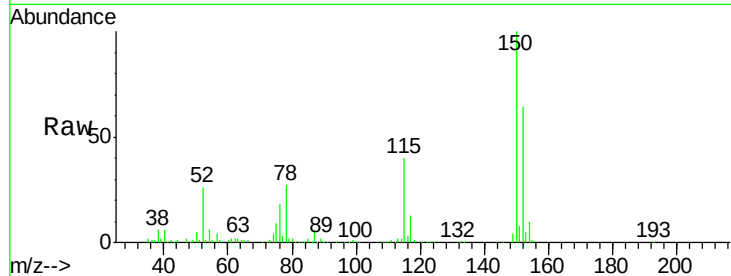
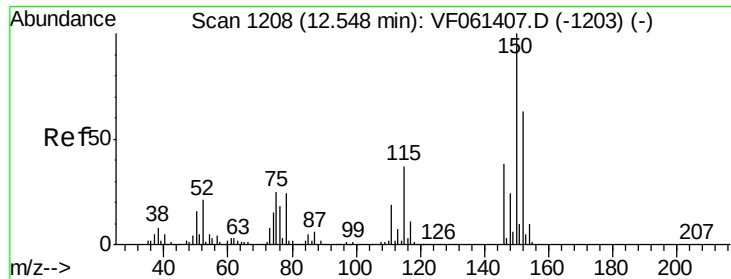


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)





#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF0212SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.0	90.0
150	155.1	0.0	321.4

