

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061586.D
 Acq On : 11 Feb 2019 15:17
 Operator : VA/AP
 Sample : K1453-03
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-8-S

Quant Time: Feb 12 04:31:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

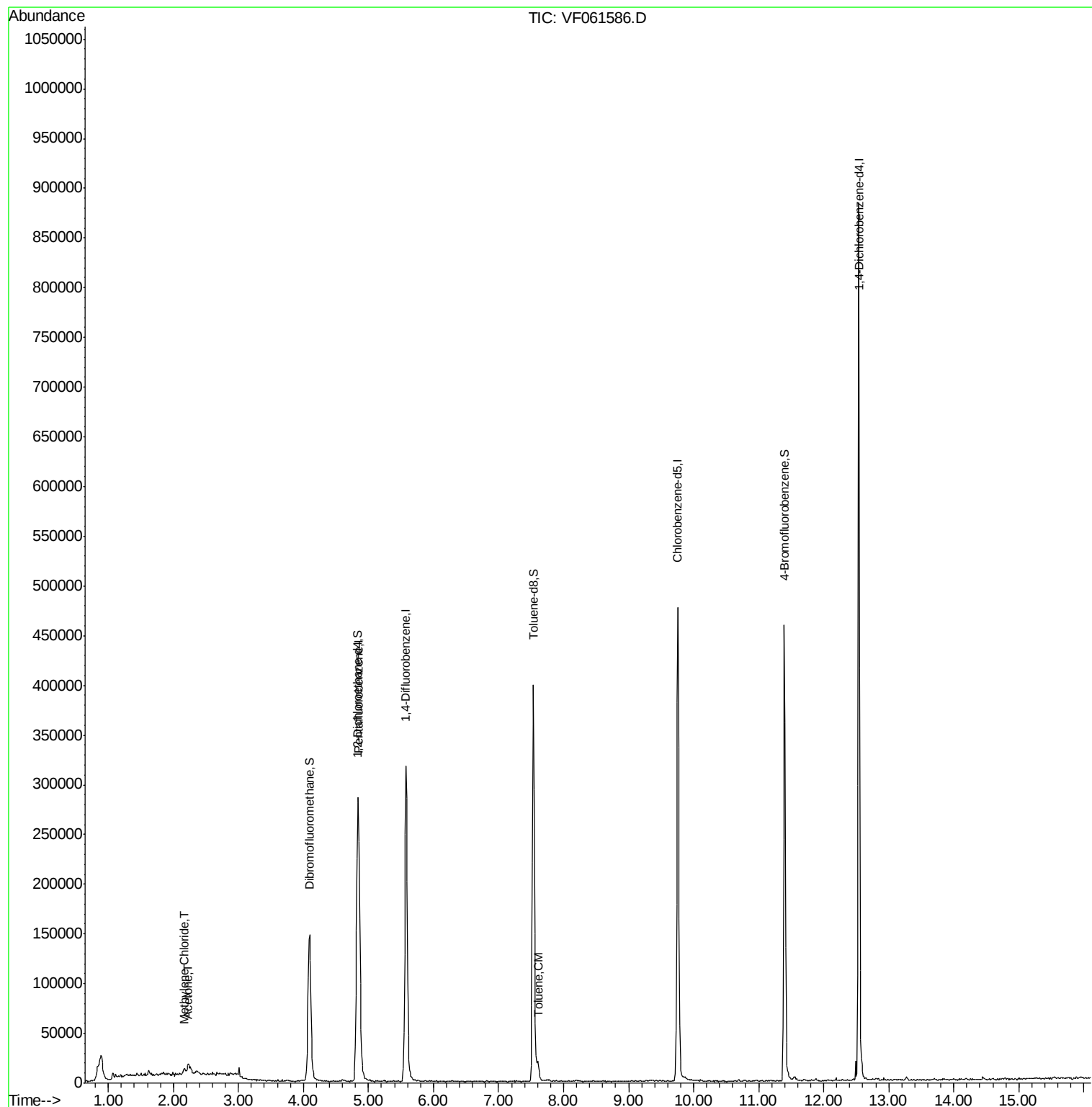
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	199351	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	346034	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	323070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	185377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	129715	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
35) Dibromofluoromethane	4.09	113	140983	51.63	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	7.54	98	338288	45.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.39	95	174075	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
Target Compounds						
16) Acetone	2.22	43	9540	19.321	ug/l #	88
20) Methylene Chloride	2.16	84	6247m	2.042	ug/l	
52) Toluene	7.61	92	8251	1.403	ug/l	95

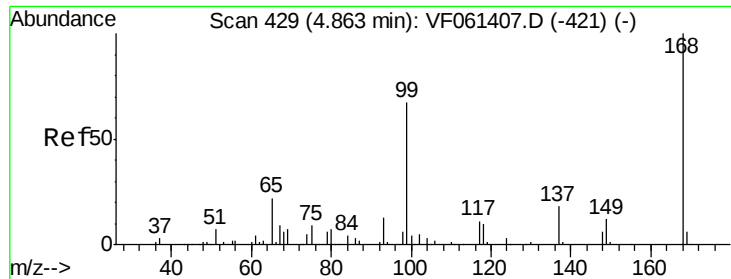
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 12 04:31:23 2019
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

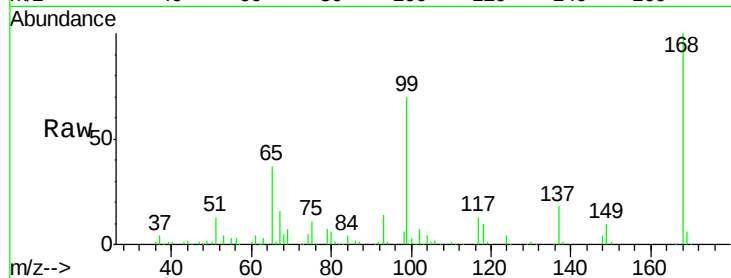
M-8-S

Tot Ion:168 Resp: 199351

Ion Ratio Lower Upper

168 100

99 69.8 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

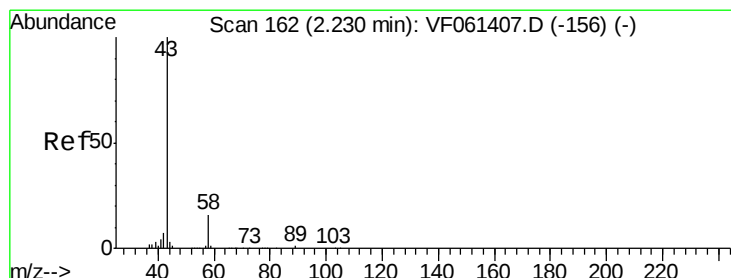
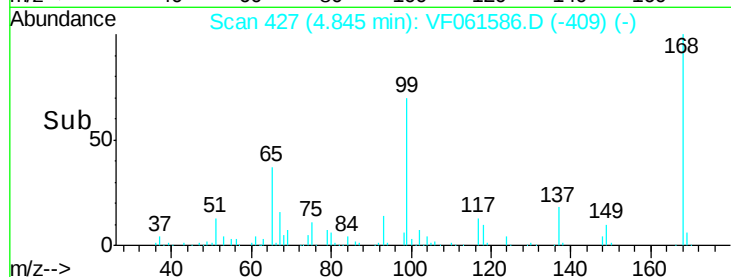
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#16

Acetone

Concen: 19.321 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061586.D

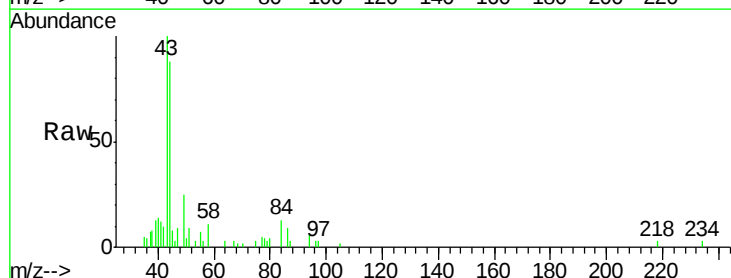
Acq: 11 Feb 2019 15:17

Tgt Ion: 43 Resp: 9540

Ion Ratio Lower Upper

43 100

58 11.4 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.22

5000

4000

3000

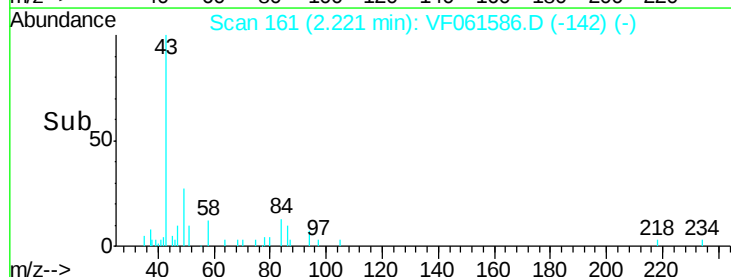
2000

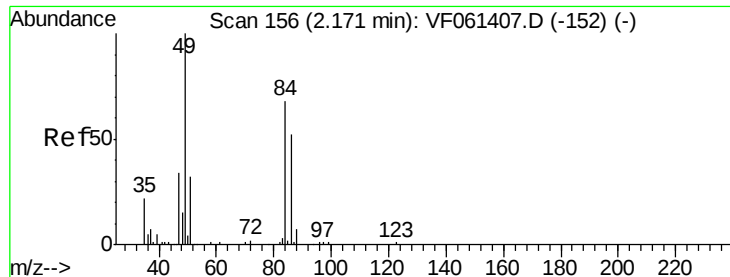
1000

0

2.15 2.20 2.25 2.30

Time-->





#20

Methylene Chloride

Concen: 2.042 ug/l m

RT: 2.16 min Scan# 155

Delta R.T. -0.01 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

M-8-S

Tot Ion: 84 Resp: 6247

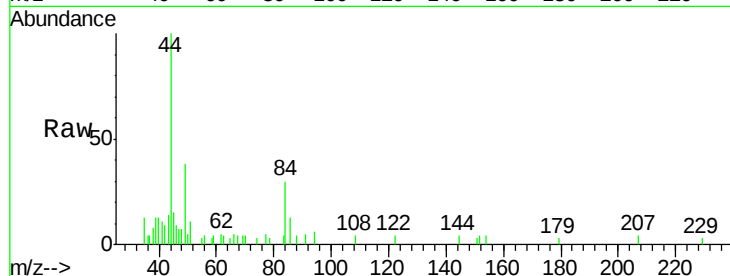
Ion Ratio Lower Upper

84 100

49 127.1 120.0 180.0

51 37.3 38.6 58.0#

86 43.5 61.0 91.6#

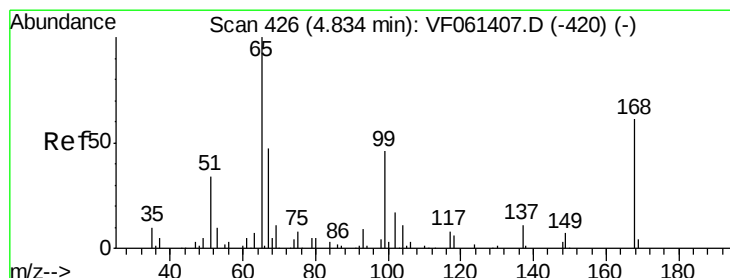
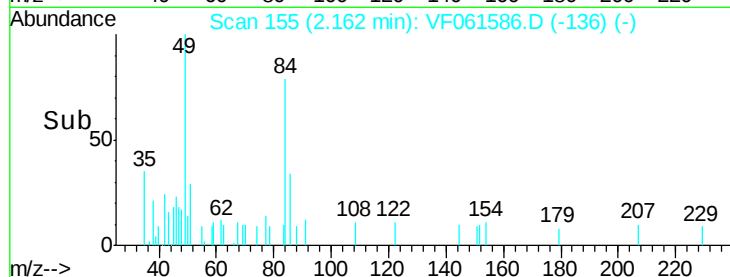
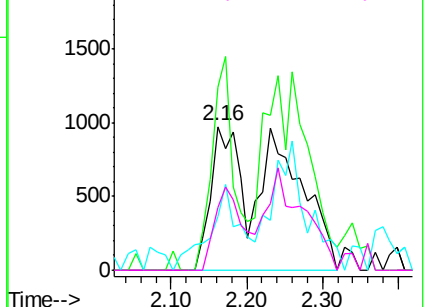


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#33

1,2-Dichloroethane-d4

Concen: 52.703 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061586.D

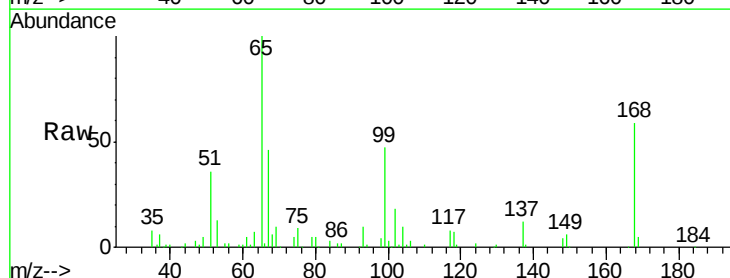
Acq: 11 Feb 2019 15:17

Tgt Ion: 65 Resp: 129715

Ion Ratio Lower Upper

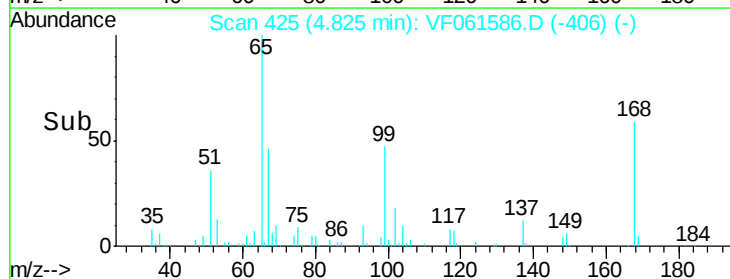
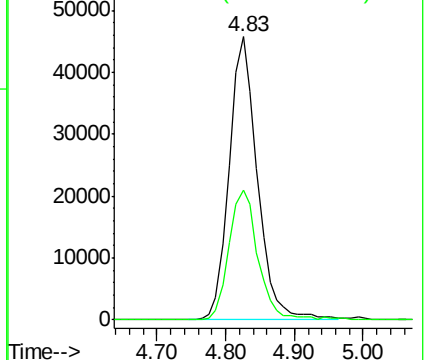
65 100

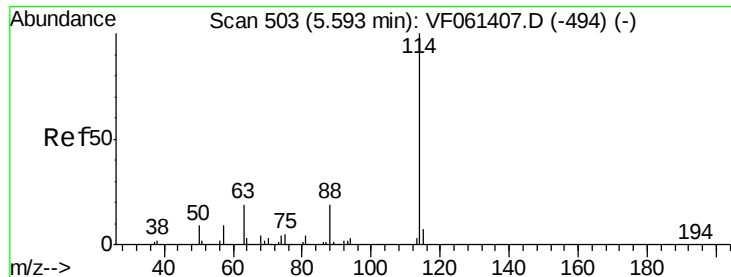
67 45.9 0.0 99.8



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: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

M-8-S

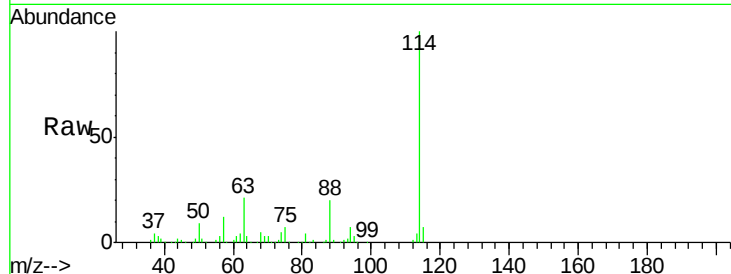
Tot Ion:114 Resp: 346034

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

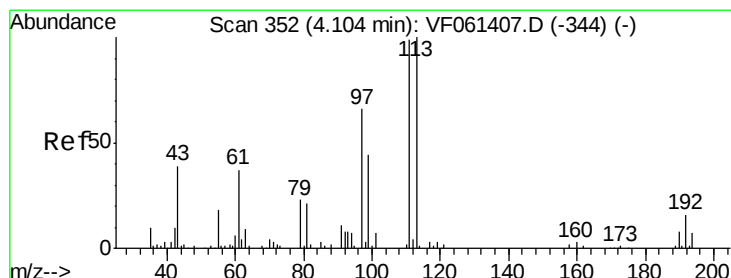
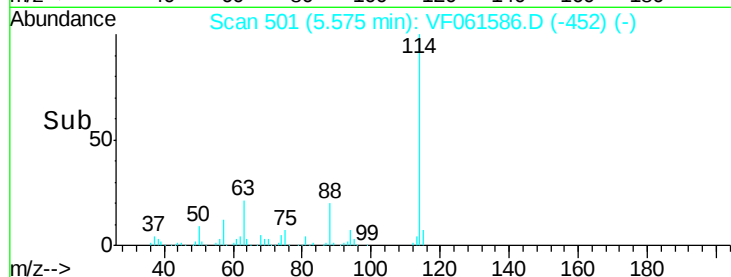
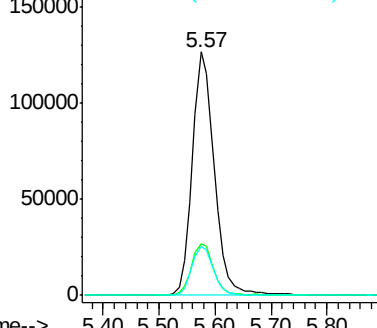
88 20.2 0.0 37.4



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: 51.633 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

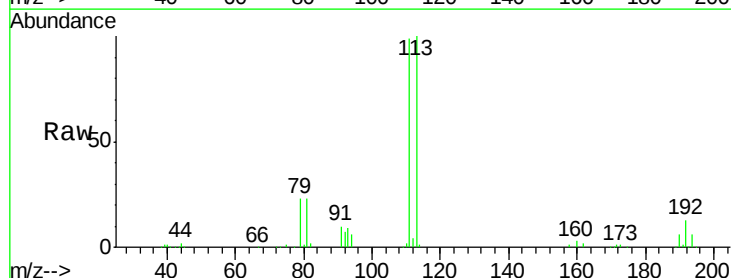
Tgt Ion:113 Resp: 140983

Ion Ratio Lower Upper

113 100

111 99.2 79.4 119.0

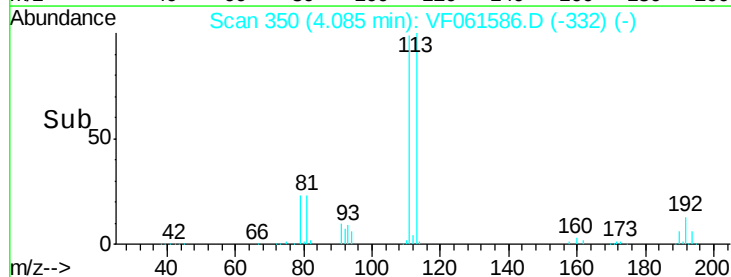
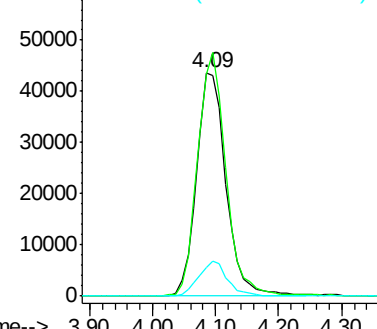
192 13.1 12.4 18.6

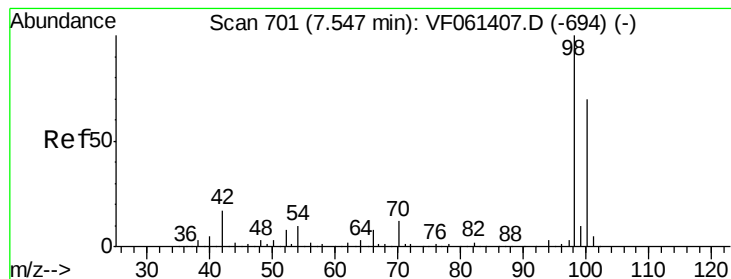


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 45.219 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampled :

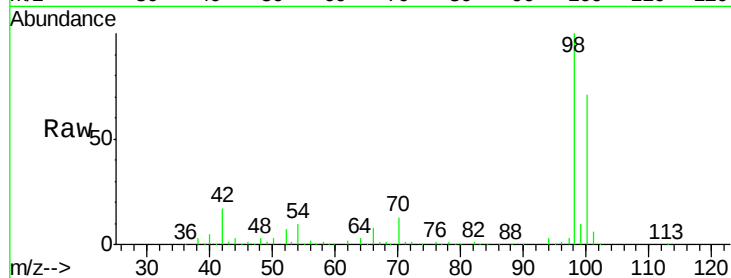
M-8-S

Tot Ion: 98 Resp: 338288

Ion Ratio Lower Upper

98 100

100 70.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.54

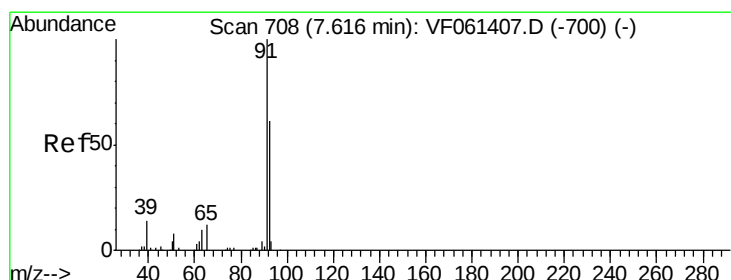
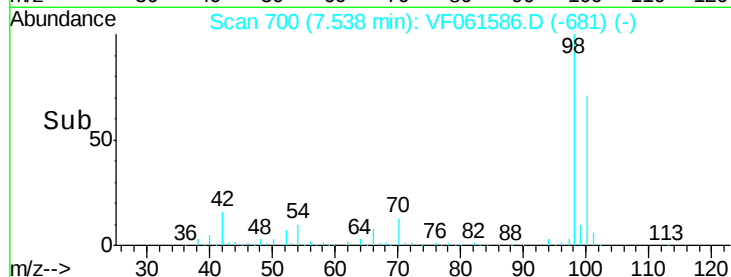
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.403 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061586.D

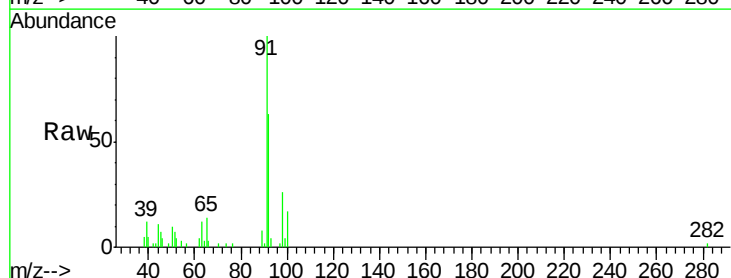
Acq: 11 Feb 2019 15:17

Tgt Ion: 92 Resp: 8251

Ion Ratio Lower Upper

92 100

91 157.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

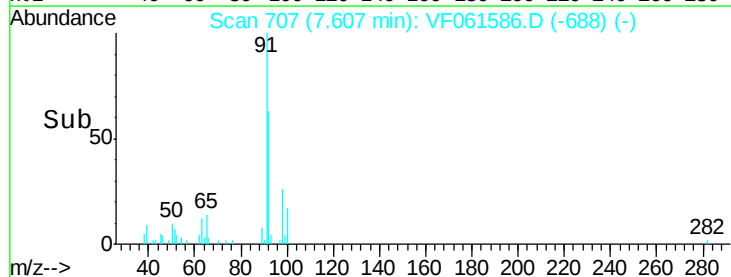
6000

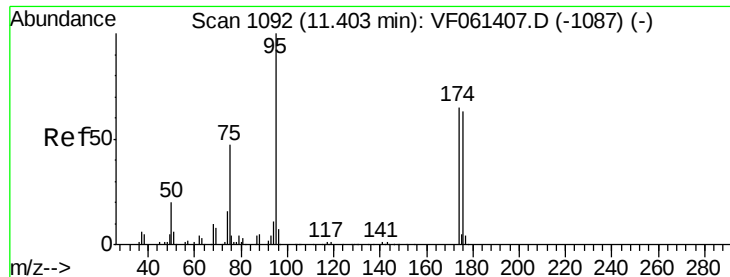
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.801 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampled :

M-8-S

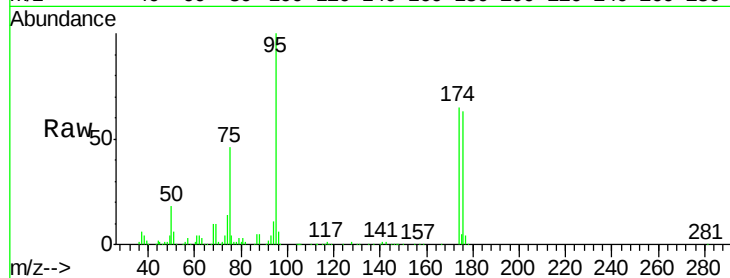
Tot Ion: 95 Resp: 174075

Ion Ratio Lower Upper

95 100

174 65.2 0.0 130.4

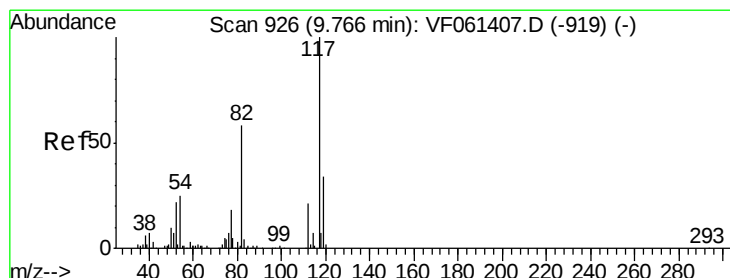
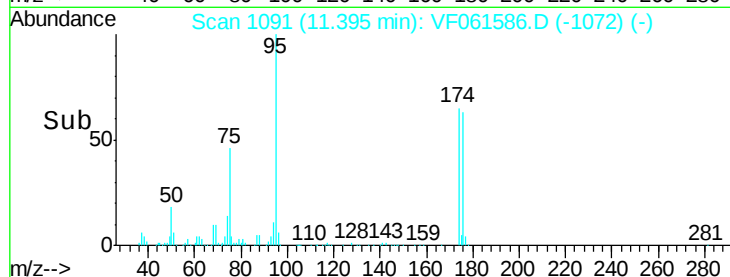
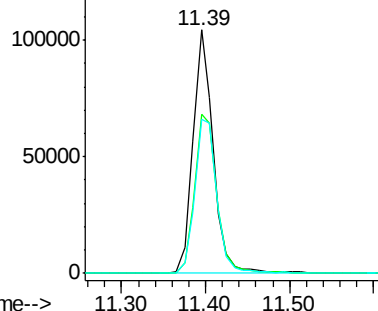
176 63.1 0.0 126.2



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: 9.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

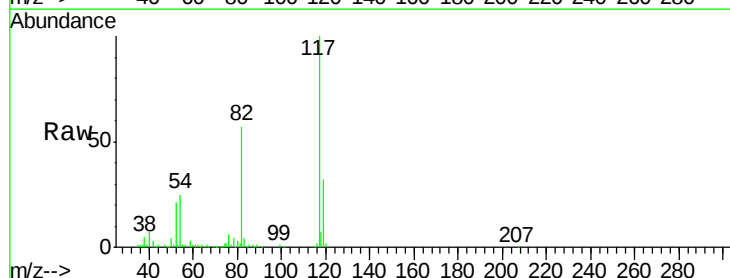
Tgt Ion: 117 Resp: 323070

Ion Ratio Lower Upper

117 100

82 57.4 46.4 69.6

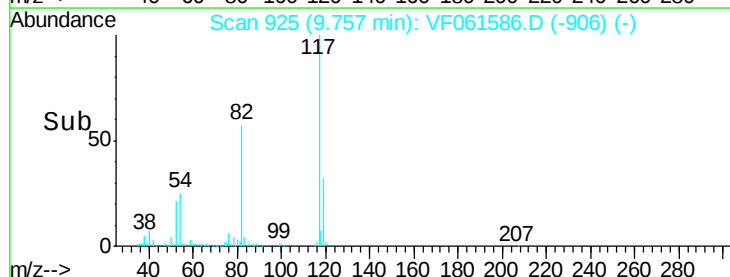
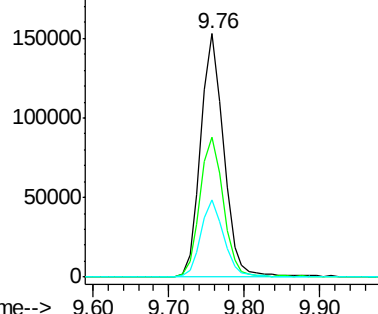
119 31.7 27.2 40.8

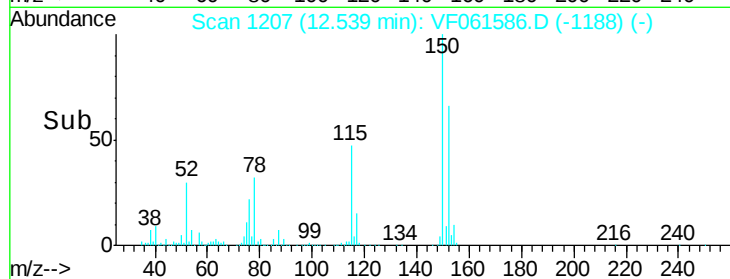
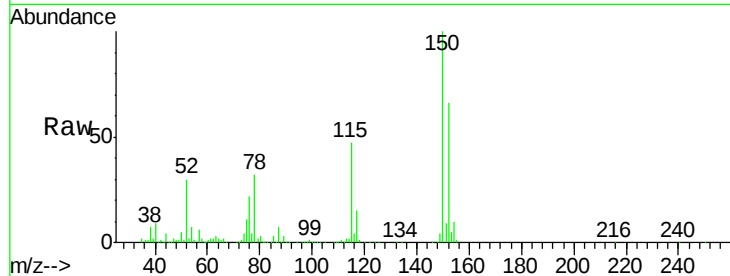
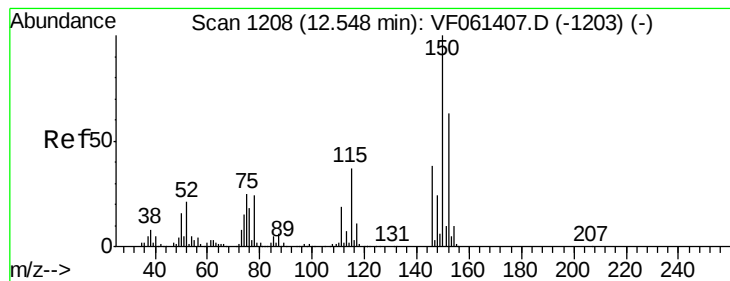


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

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: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

M-8-S

Tot Ion:152 Resp: 185377

Ion Ratio Lower Upper

152 100

115 72.0 30.0 90.0

150 152.5 0.0 321.4

