

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062703.D
 Acq On : 22 May 2019 14:02
 Operator : FY/SY
 Sample : K2978-06
 Misc : 5.44g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-SOIL

Quant Time: May 23 01:59:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

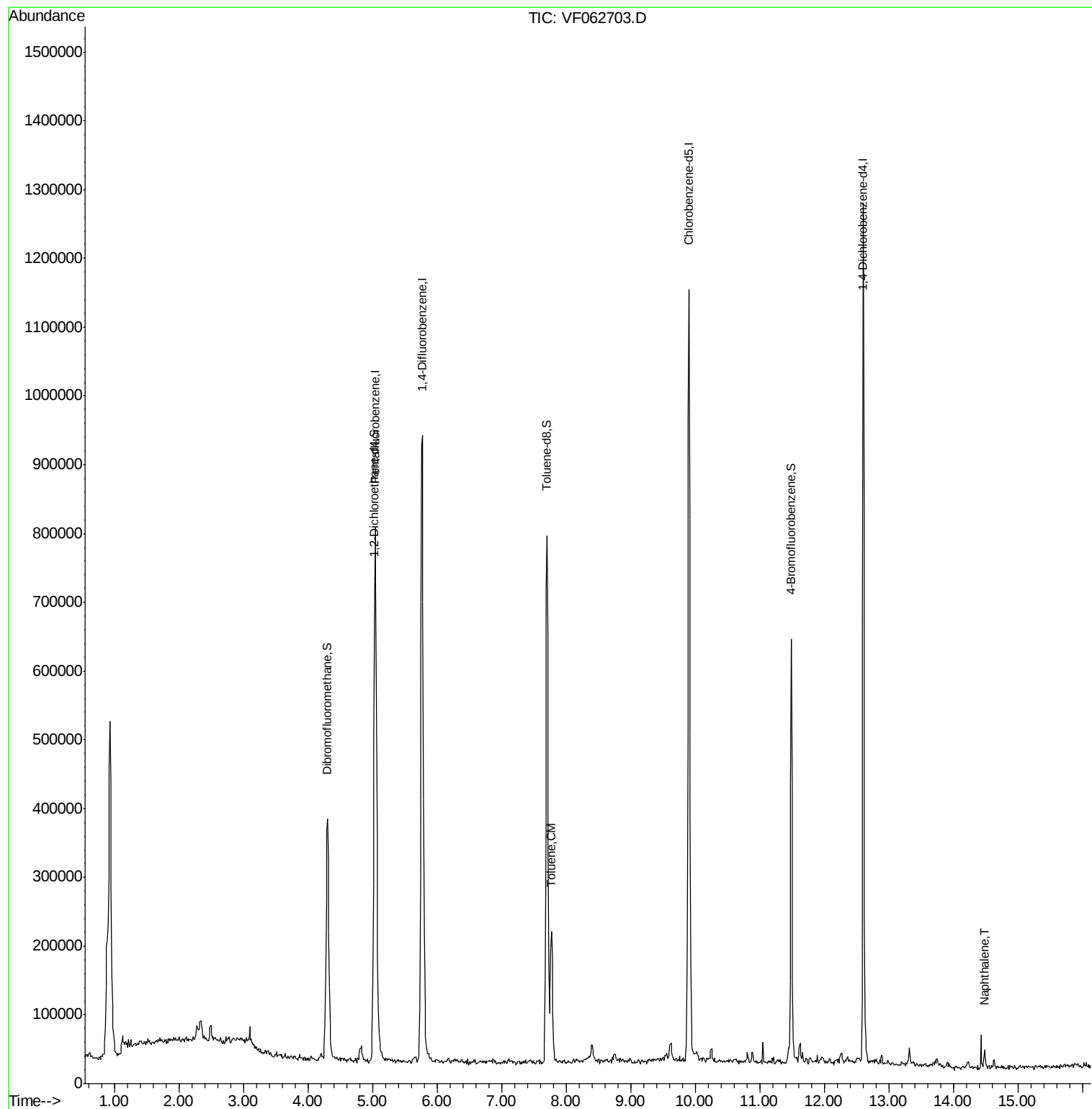
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	726927	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1196332	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	861205	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	318558	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	180832	35.20	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	70.40%	
35) Dibromofluoromethane	4.30	113	345115	37.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.40%	
50) Toluene-d8	7.70	98	717083	32.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	65.62%	
62) 4-Bromofluorobenzene	11.49	95	217349	26.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	52.44%	
Target Compounds						
52) Toluene	7.77	92	107673	6.148	ug/l	86
95) Naphthalene	14.49	128	19416	1.631	ug/l	98

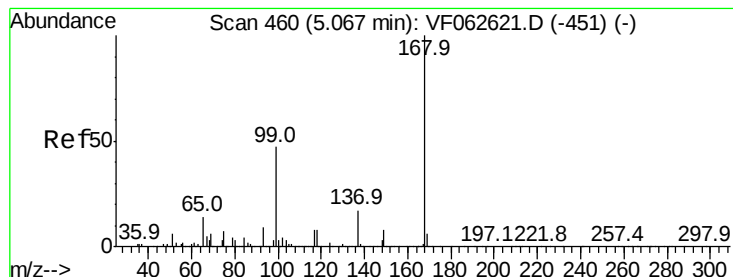
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 05:49:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

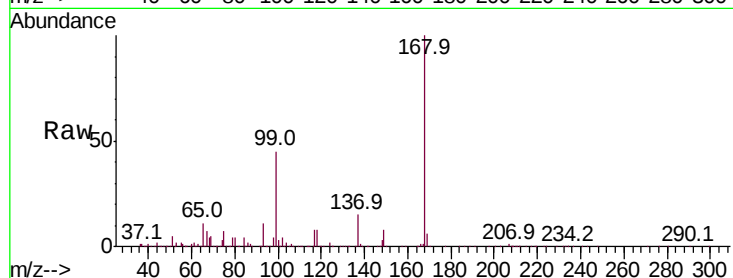
TP-SOIL

Tot Ion:168 Resp: 726927

Ion Ratio Lower Upper

168 100

99 45.4 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

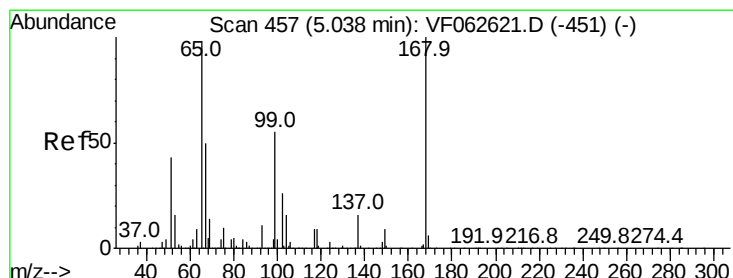
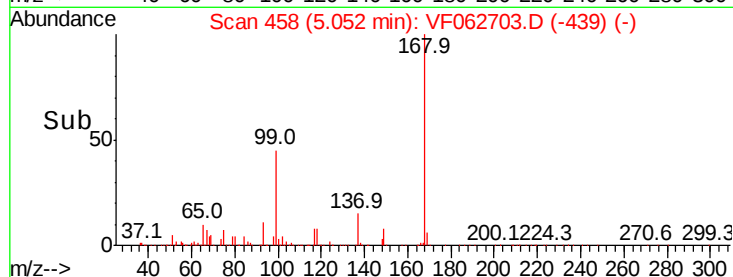
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 35.203 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062703.D

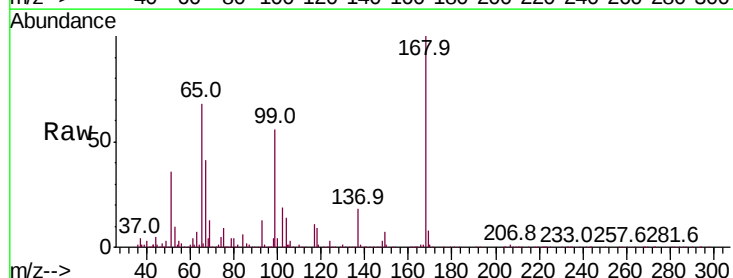
Acq: 22 May 2019 14:02

Tgt Ion: 65 Resp: 180832

Ion Ratio Lower Upper

65 100

67 61.3 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

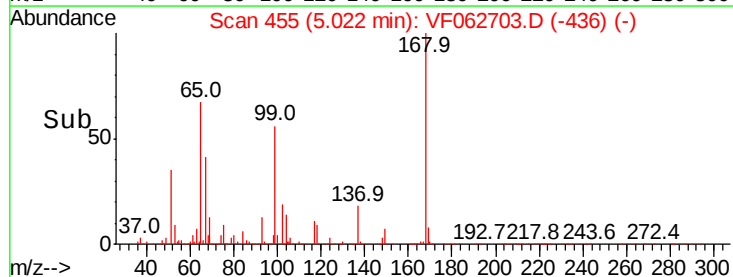
60000

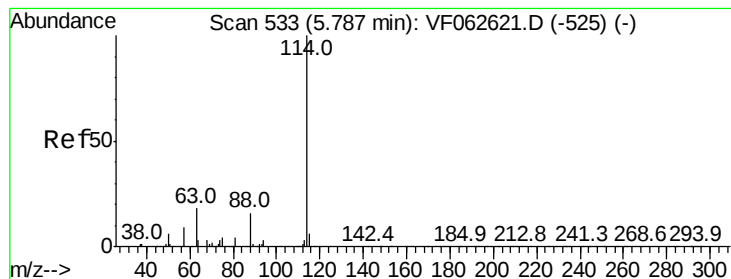
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

TP-SOIL

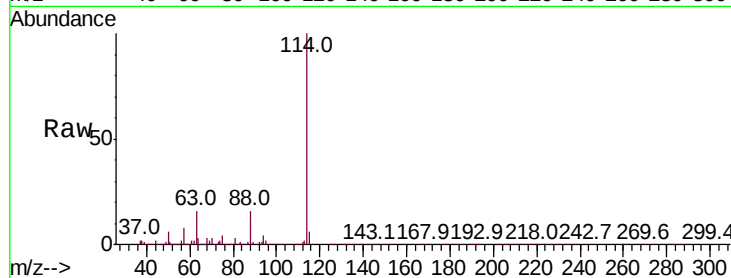
Tot Ion:114 Resp: 1196332

Ion Ratio Lower Upper

114 100

63 16.0 0.0 35.4

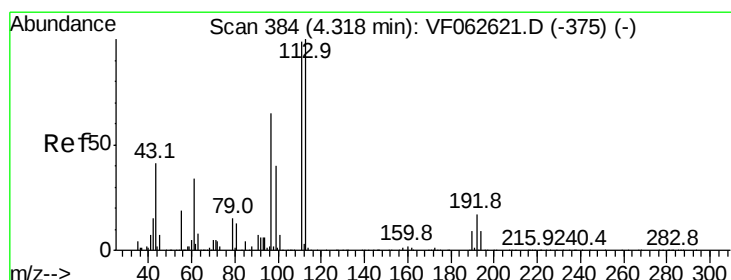
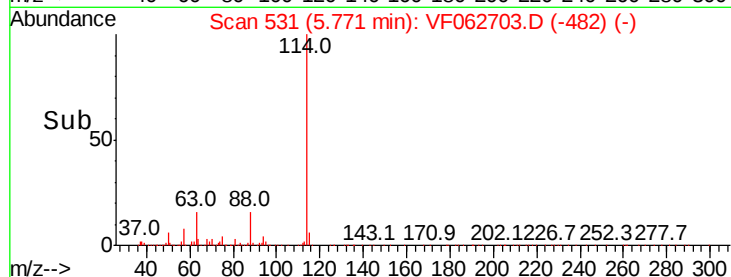
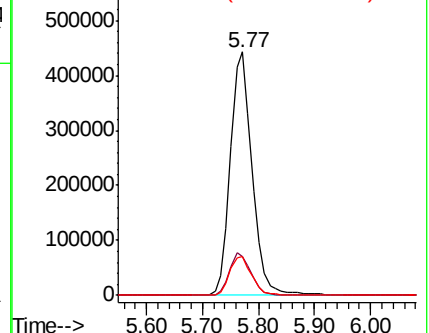
88 15.9 0.0 32.4



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: 37.699 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

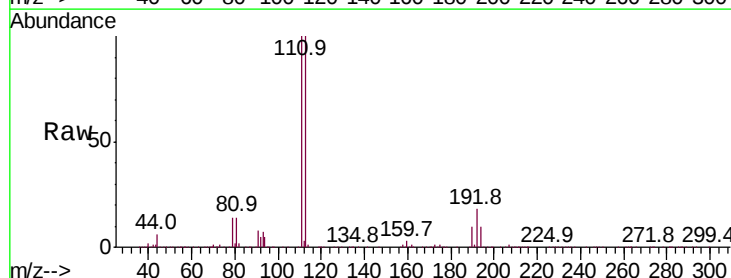
Tgt Ion:113 Resp: 345115

Ion Ratio Lower Upper

113 100

111 100.1 79.4 119.2

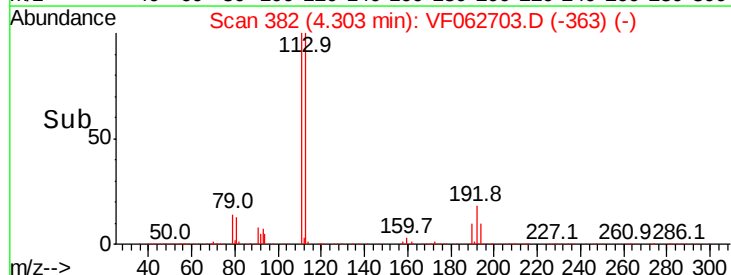
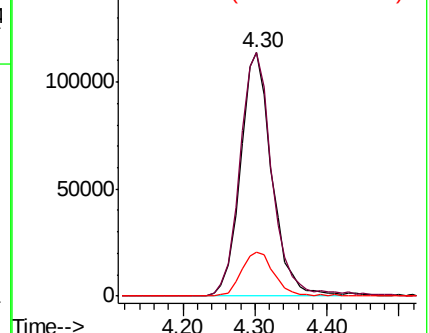
192 18.1 13.4 20.2

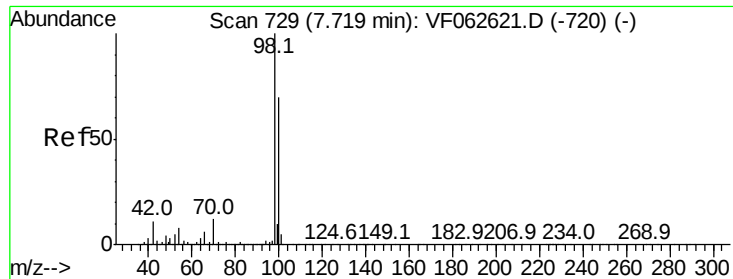


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

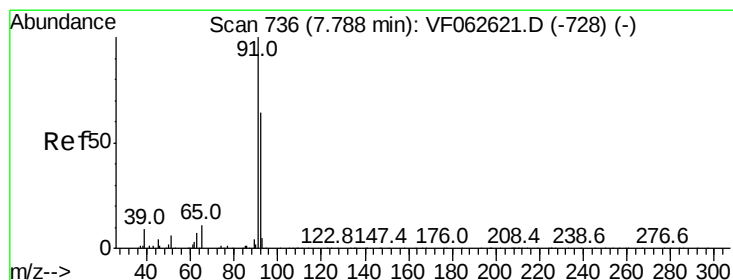
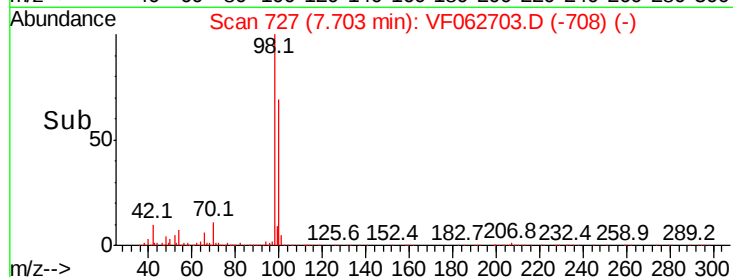
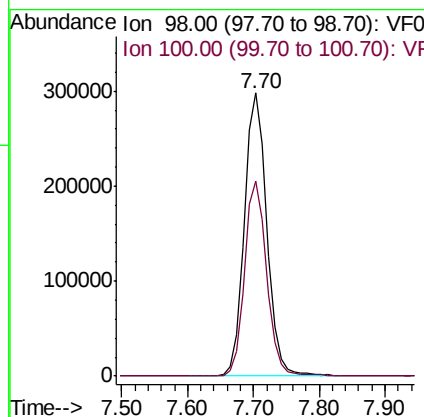
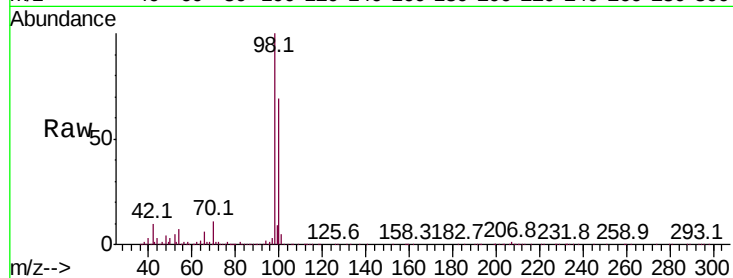




#50
Toluene-d8
Concen: 32.808 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062703.D
Acq: 22 May 2019 14:02

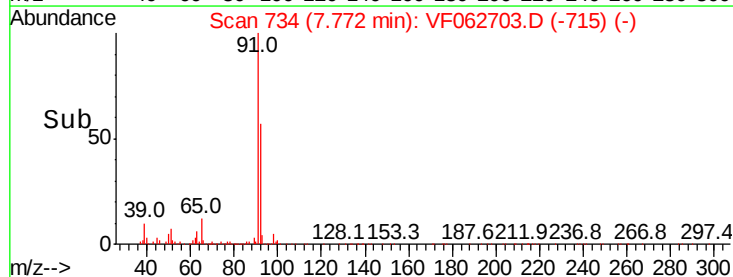
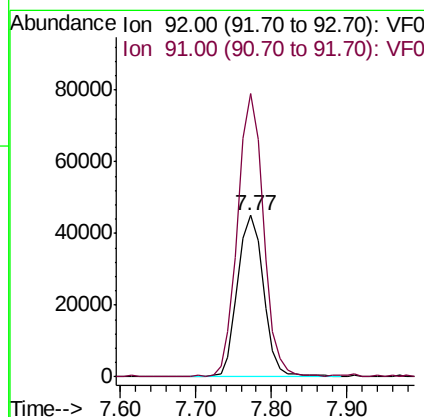
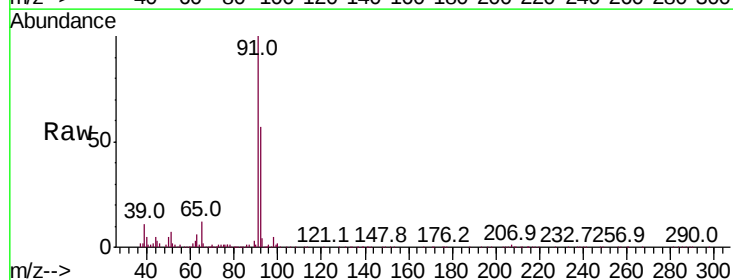
Instrument :
MSVOA_F
ClientSampleId :
TP-SOIL

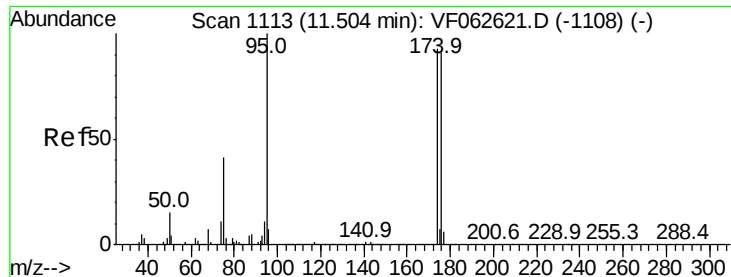
Tot Ion: 98 Resp: 717083
Ion Ratio Lower Upper
98 100
100 68.9 56.2 84.2



#52
Toluene
Concen: 6.148 ug/l
RT: 7.77 min Scan# 734
Delta R.T. -0.02 min
Lab File: VF062703.D
Acq: 22 May 2019 14:02

Tgt Ion: 92 Resp: 107673
Ion Ratio Lower Upper
92 100
91 175.5 125.4 188.0





#62

4-Bromofluorobenzene

Concen: 26.219 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

TP-SOIL

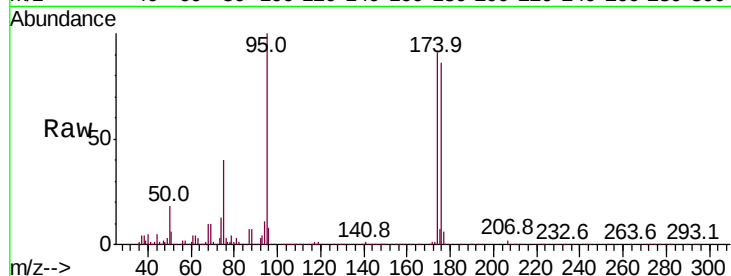
Tot Ion: 95 Resp: 217349

Ion Ratio Lower Upper

95 100

174 90.8 0.0 185.6

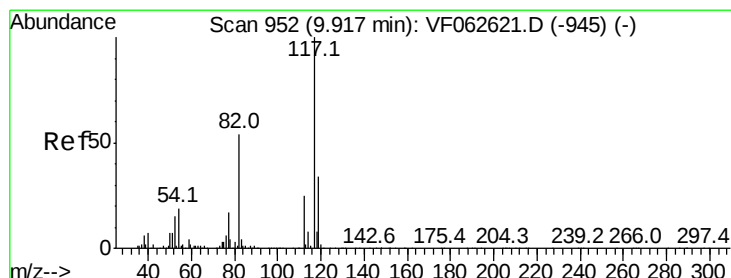
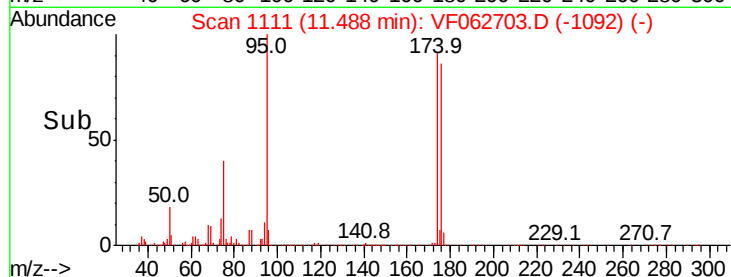
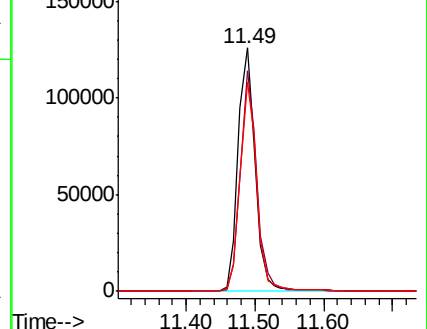
176 86.0 0.0 182.4



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: 9.90 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

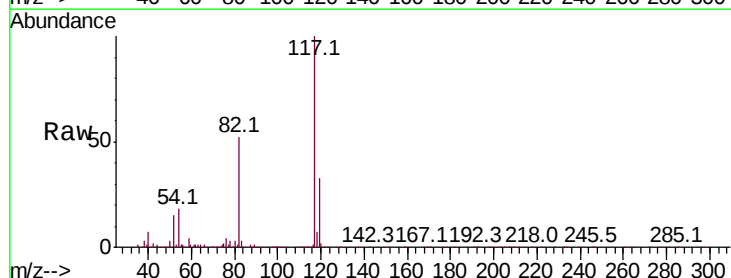
Tgt Ion: 117 Resp: 861205

Ion Ratio Lower Upper

117 100

82 52.2 43.3 64.9

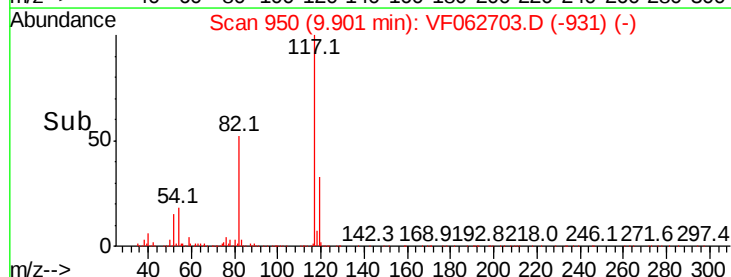
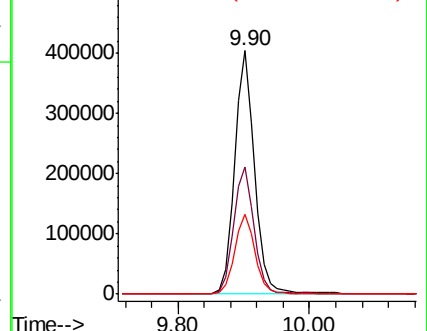
119 32.9 27.4 41.0

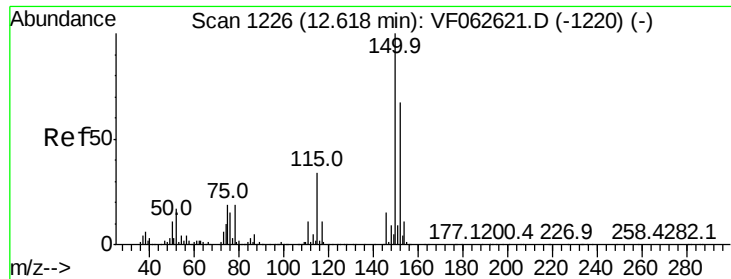


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

Instrument :

MSVOA_F

ClientSampled :

TP-SOIL

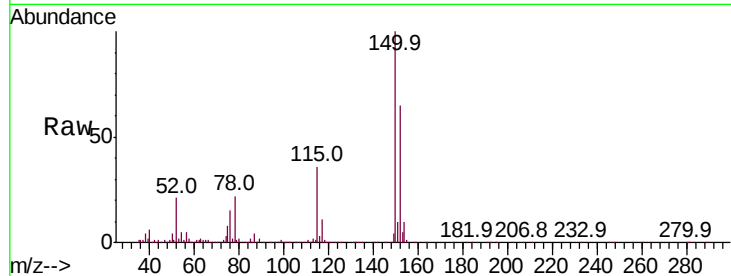
Tot Ion:152 Resp: 318558

Ion Ratio Lower Upper

152 100

115 54.3 25.2 75.6

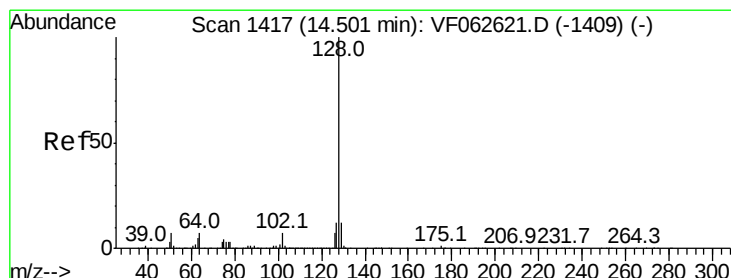
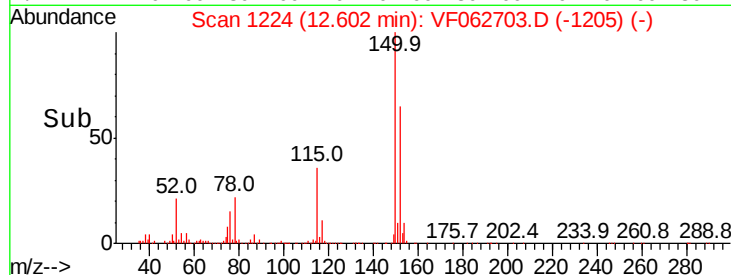
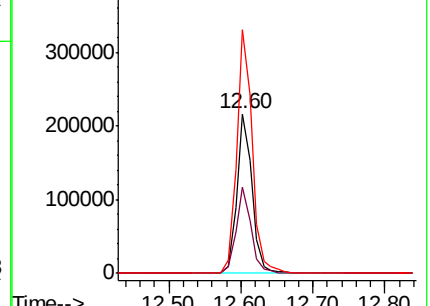
150 152.8 0.0 306.2



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



#95

Naphthalene

Concen: 1.631 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062703.D

Acq: 22 May 2019 14:02

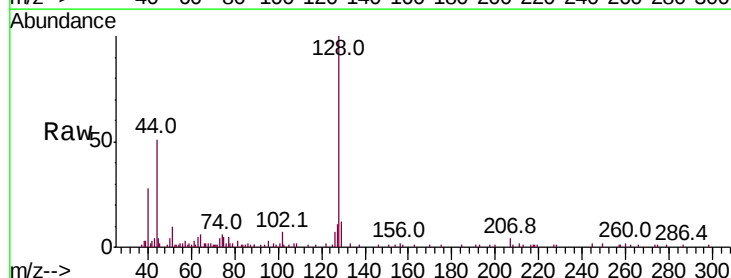
Tgt Ion:128 Resp: 19416

Ion Ratio Lower Upper

128 100

127 10.9 9.7 14.5

129 11.6 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

