

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059602.D
 Acq On : 21 Jul 2018 1:06
 Operator : VA/AP
 Sample : J4057-05
 Misc : 5.05µ/5mL/MSVOA F/SOIL
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-2

Quant Time: Jul 23 10:03:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

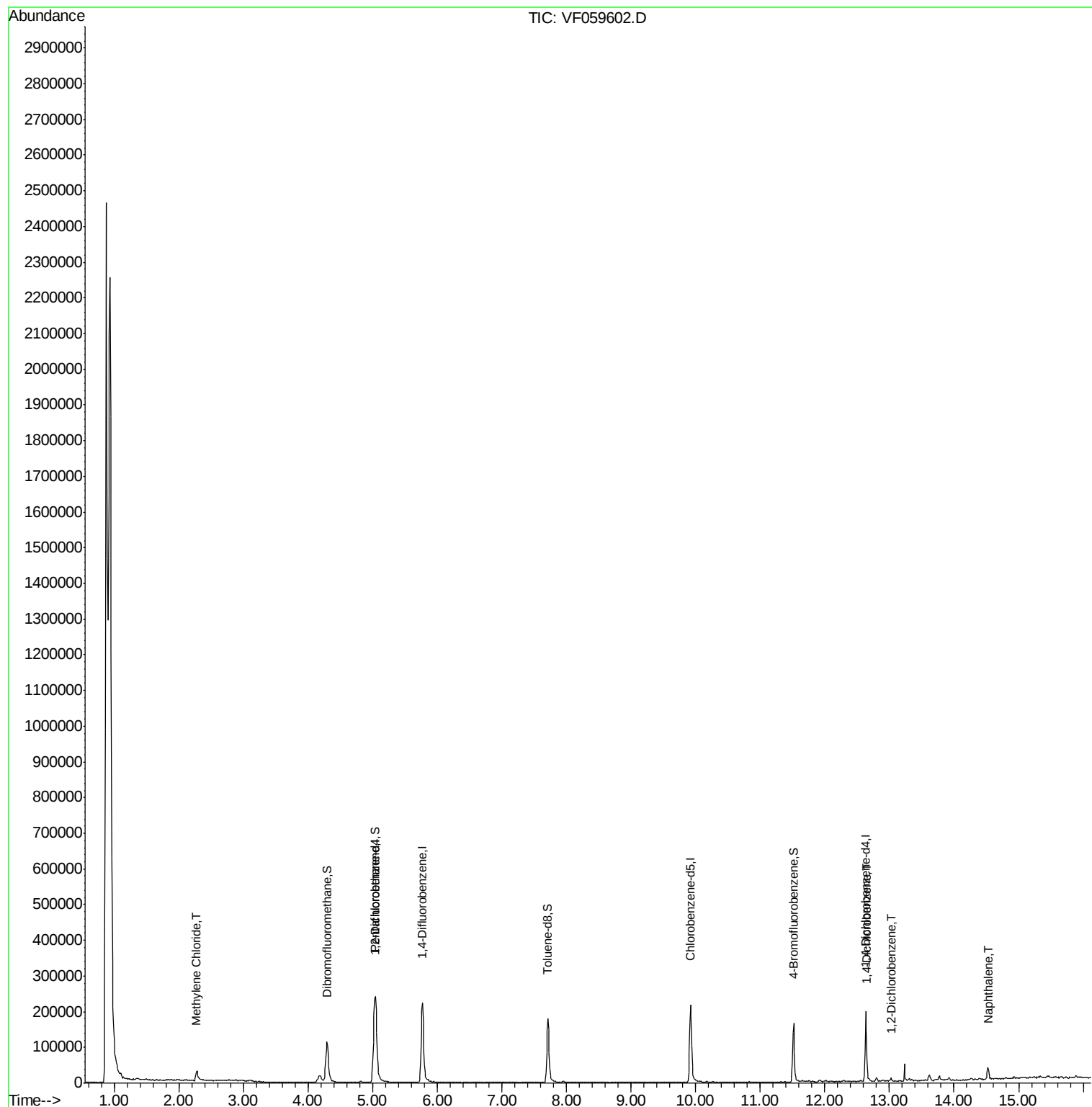
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	172415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	229290	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	157947	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	48979	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	108155	40.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.66%	
35) Dibromofluoromethane	4.29	113	107109	53.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.88%	
50) Toluene-d8	7.71	98	149888	29.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	59.92%	
62) 4-Bromofluorobenzene	11.52	95	60210	22.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	45.88%	
Target Compounds						
20) Methylene Chloride	2.27	84	11036	5.00	ug/l	# 83
88) 1,4-Dichlorobenzene	12.65	146	3877	2.65	ug/l	77
91) 1,2-Dichlorobenzene	13.03	146	3288	2.31	ug/l	85
95) Naphthalene	14.52	128	20063	11.18	ug/l	96

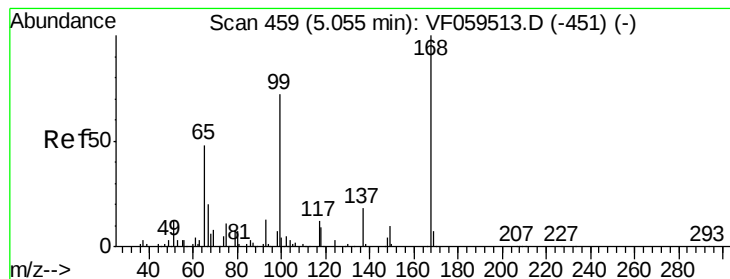
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
Data File : VF059602.D
Acq On : 21 Jul 2018 1:06
Operator : VA/AP
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Misc : 5.05a/5mL/MSVOA F/SOIL
ALS Vial : 97 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-2

Quant Time: Jul 23 10:03:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

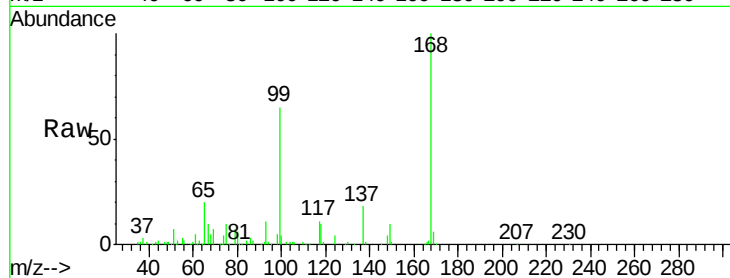
LS-SOIL-2

Tot Ion:168 Resp: 172415

Ion Ratio Lower Upper

168 100

99 65.2 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

30000

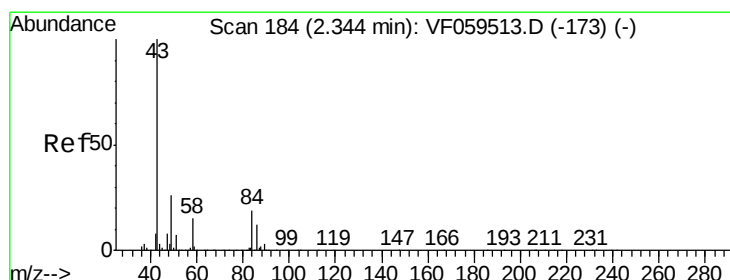
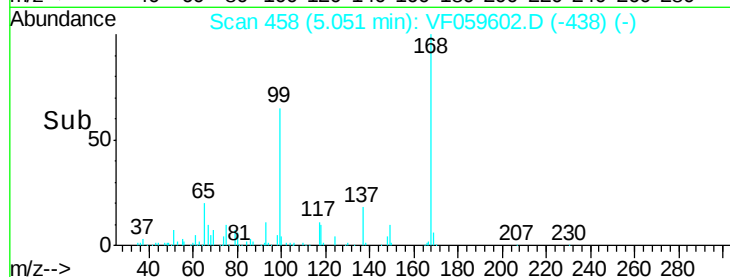
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 5.00 ug/l

RT: 2.27 min Scan# 176

Delta R.T. -0.07 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Tgt Ion: 84 Resp: 11036

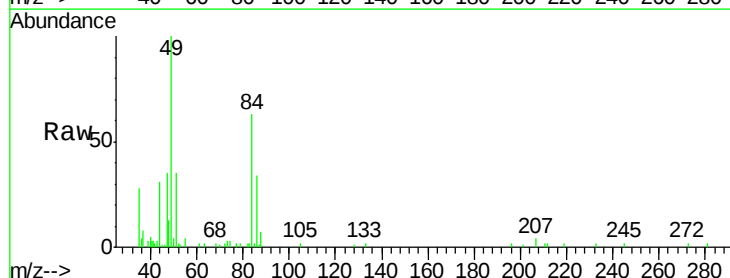
Ion Ratio Lower Upper

84 100

49 158.3 109.4 164.2

51 54.8 30.5 45.7#

86 53.8 47.6 71.4



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

12000

10000

8000

6000

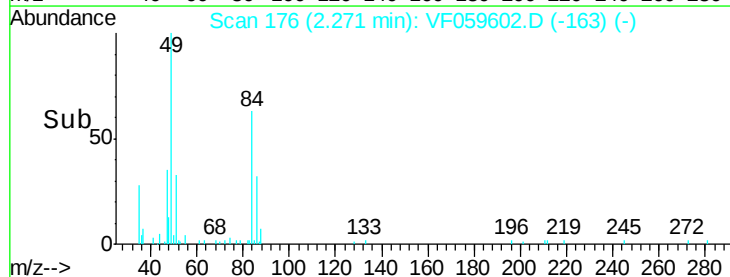
4000

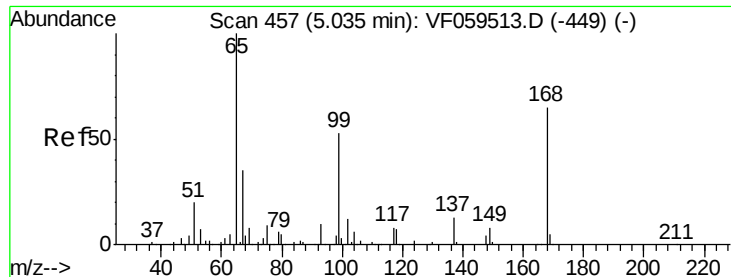
2000

0

2.20 2.25 2.30 2.35

Time-->





#33

1,2-Dichloroethane-d4

Concen: 40.33 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

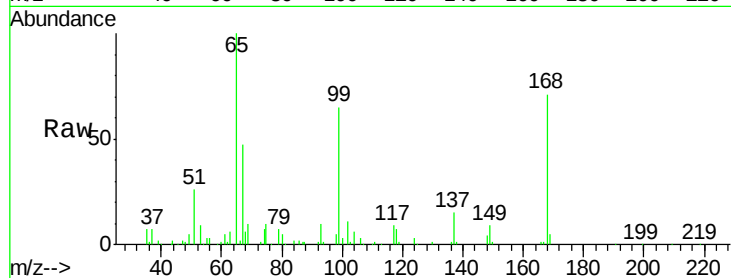
LS-SOIL-2

Tot Ion: 65 Resp: 108155

Ion Ratio Lower Upper

65 100

67 46.6 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

40000

30000

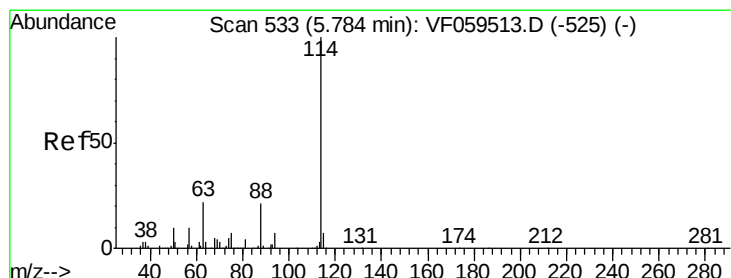
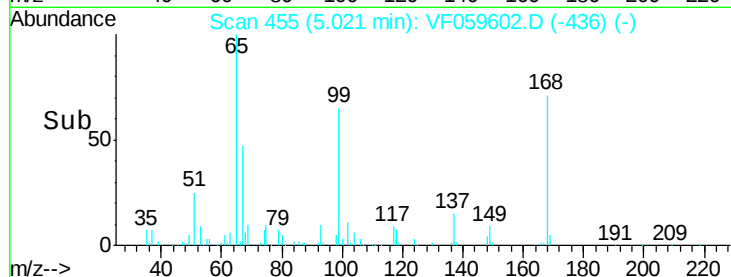
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

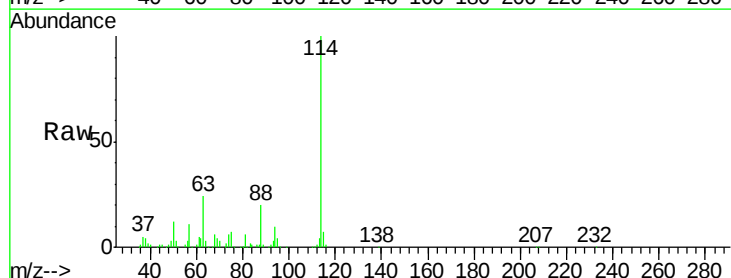
Tgt Ion: 114 Resp: 229290

Ion Ratio Lower Upper

114 100

63 24.3 0.0 44.8

88 20.2 0.0 42.6



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

100000

80000

60000

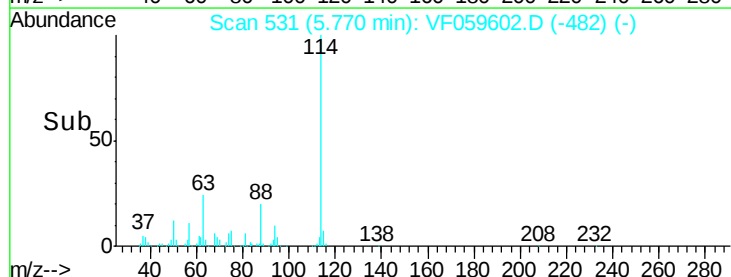
40000

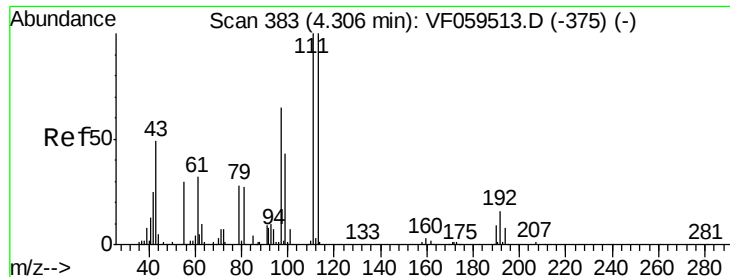
20000

0

Time-->

5.60 5.70 5.80 5.90





#35

Dibromofluoromethane

Concen: 53.94 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-2

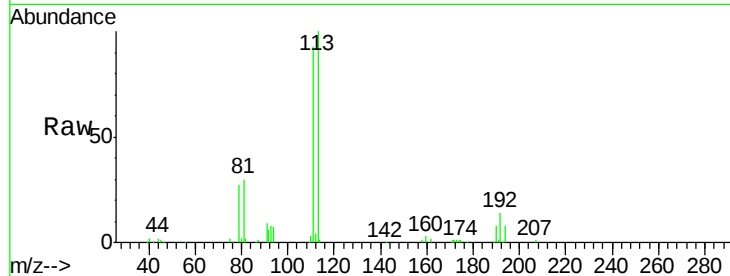
Tot Ion:113 Resp: 107109

Ion Ratio Lower Upper

113 100

111 93.3 80.3 120.5

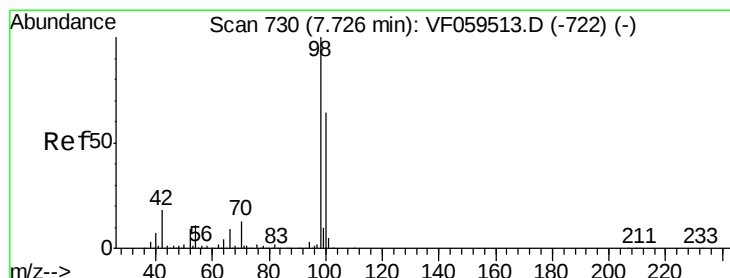
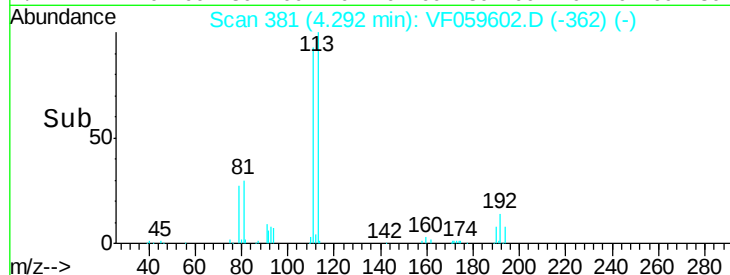
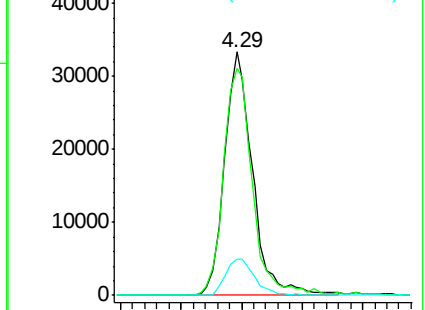
192 14.8 13.1 19.7



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: 29.96 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF059602.D

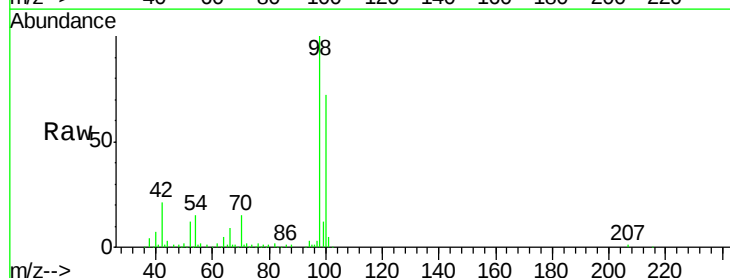
Acq: 21 Jul 2018 1:06

Tgt Ion: 98 Resp: 149888

Ion Ratio Lower Upper

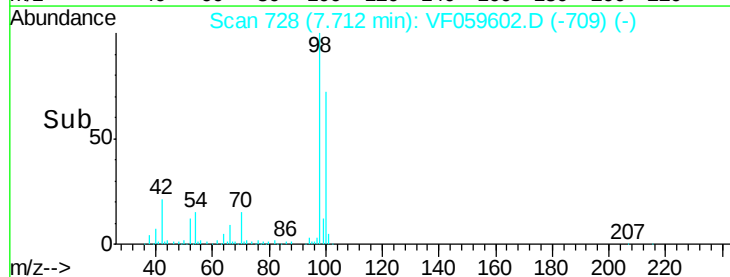
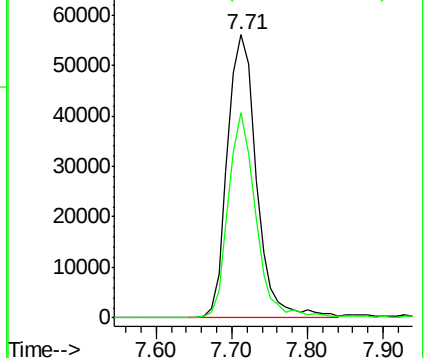
98 100

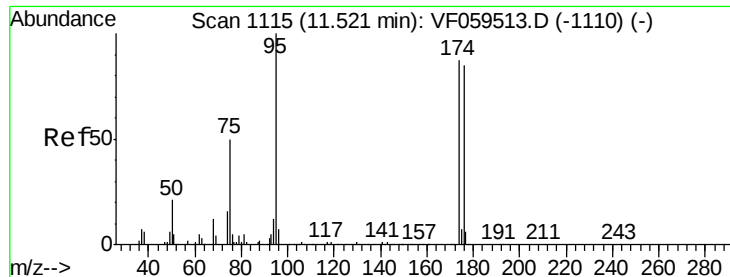
100 72.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 22.94 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-2

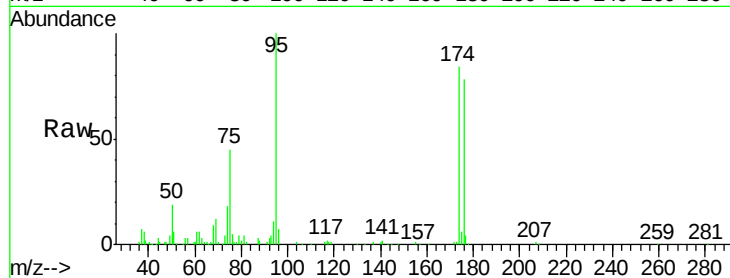
Tot Ion: 95 Resp: 60210

Ion Ratio Lower Upper

95 100

174 84.4 0.0 174.4

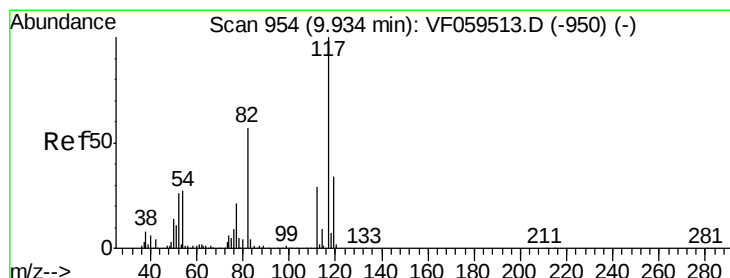
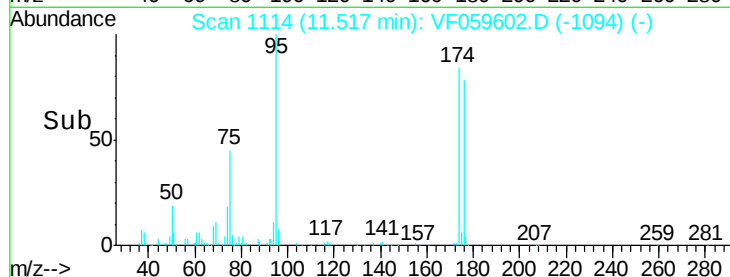
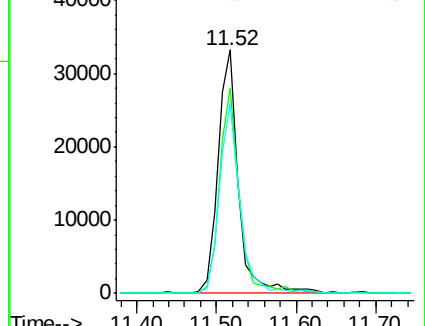
176 77.8 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

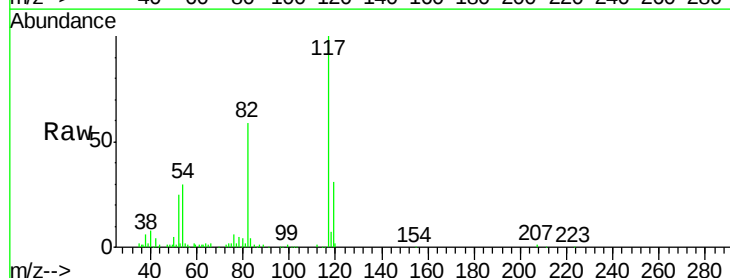
Tgt Ion: 117 Resp: 157947

Ion Ratio Lower Upper

117 100

82 58.8 46.1 69.1

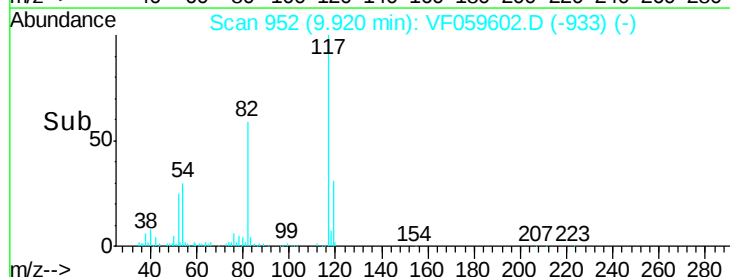
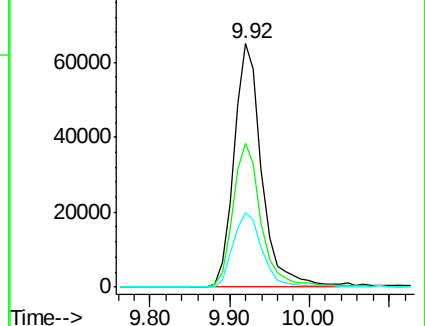
119 30.7 27.2 40.8

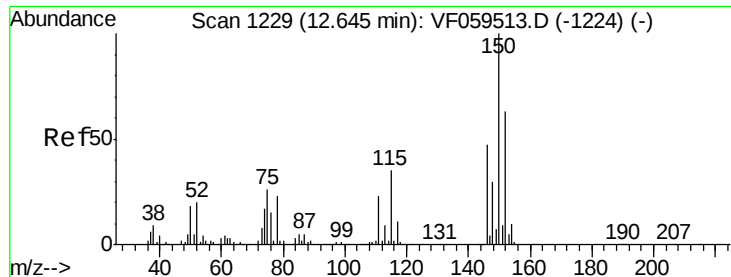


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-2

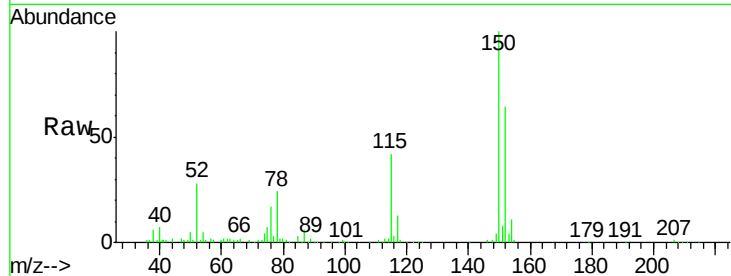
Tot Ion:152 Resp: 48979

Ion Ratio Lower Upper

152 100

115 65.4 27.8 83.3

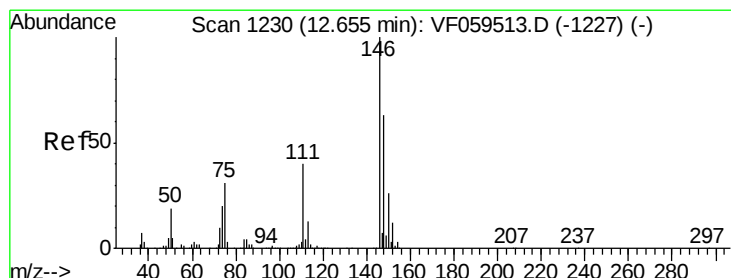
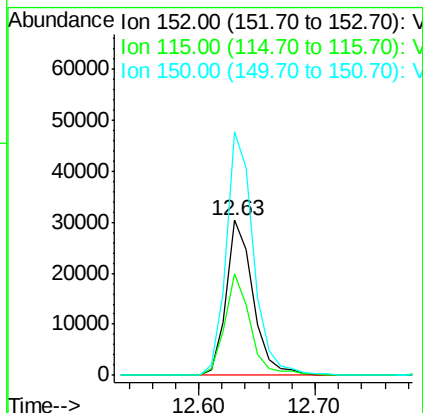
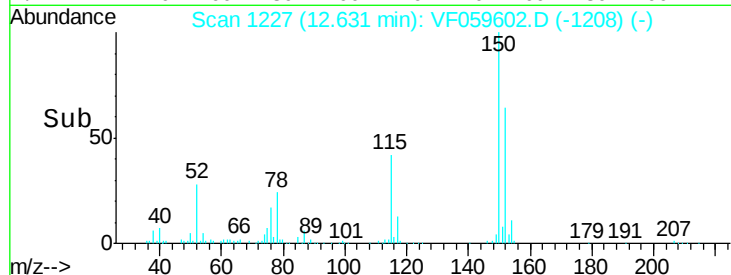
150 157.1 0.0 318.4



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



#88

1,4-Dichlorobenzene

Concen: 2.65 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059602.D

Acq: 21 Jul 2018 1:06

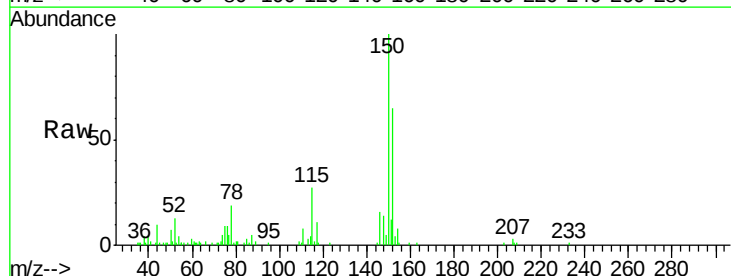
Tgt Ion:146 Resp: 3877

Ion Ratio Lower Upper

146 100

111 49.2 20.0 59.9

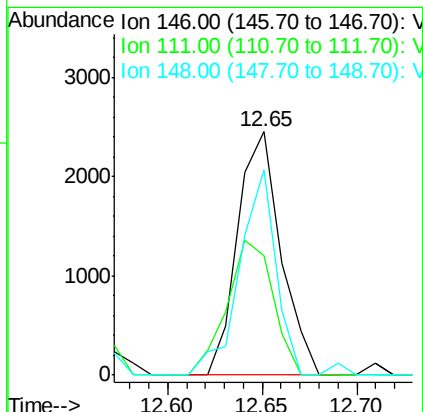
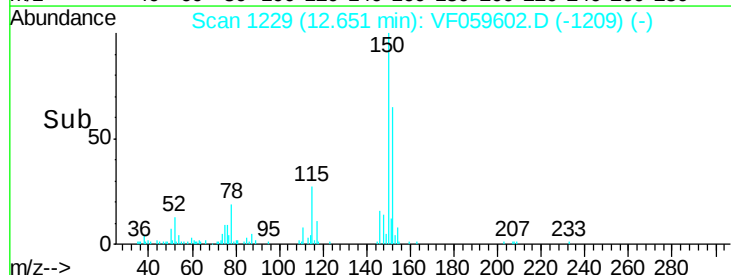
148 84.2 31.5 94.5

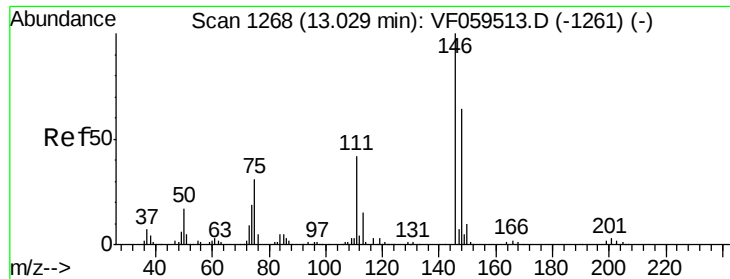


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

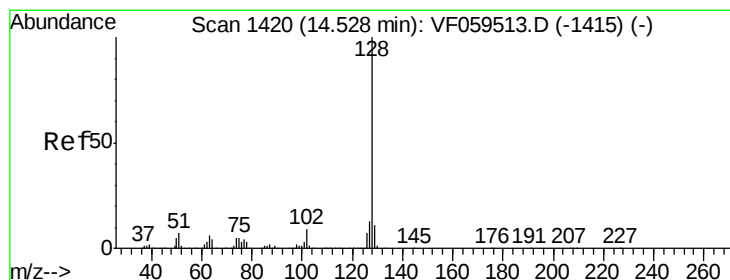
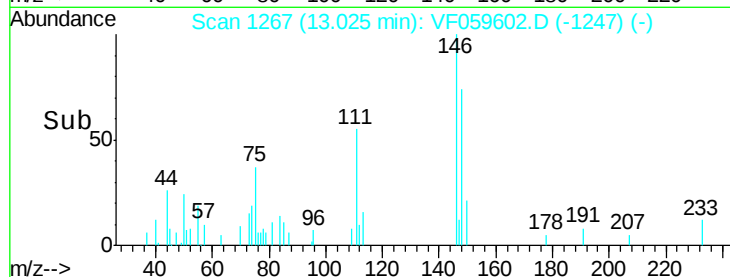
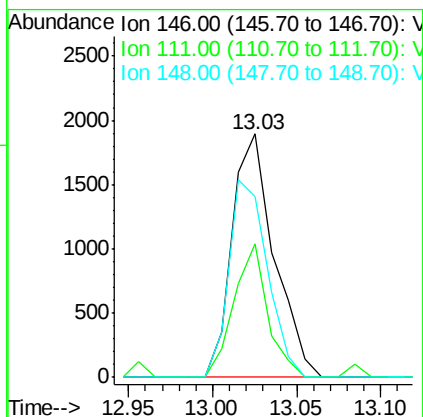
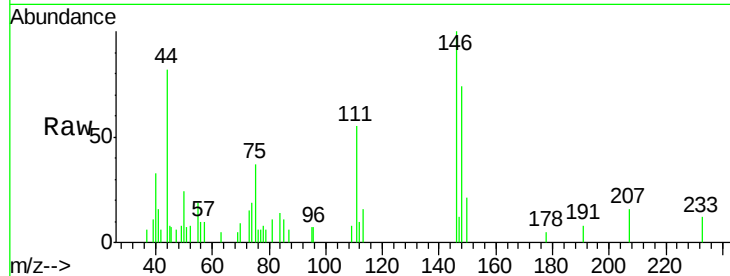




#91
 1,2-Dichlorobenzene
 Concen: 2.31 ug/l
 RT: 13.03 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059602.D
 Acq: 21 Jul 2018 1:06

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-2

Tot Ion:146 Resp: 3288
 Ion Ratio Lower Upper
 146 100
 111 54.9 21.1 63.1
 148 74.1 32.3 96.8



#95
 Naphthalene
 Concen: 11.18 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF059602.D
 Acq: 21 Jul 2018 1:06

Tgt Ion:128 Resp: 20063
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.2 15.2
 129 12.9 9.0 13.4

