

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059603.D
 Acq On : 21 Jul 2018 1:33
 Operator : VA/AP
 Sample : J4057-09RE
 Misc : 5.44g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-3RE

Quant Time: Jul 23 10:48:18 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

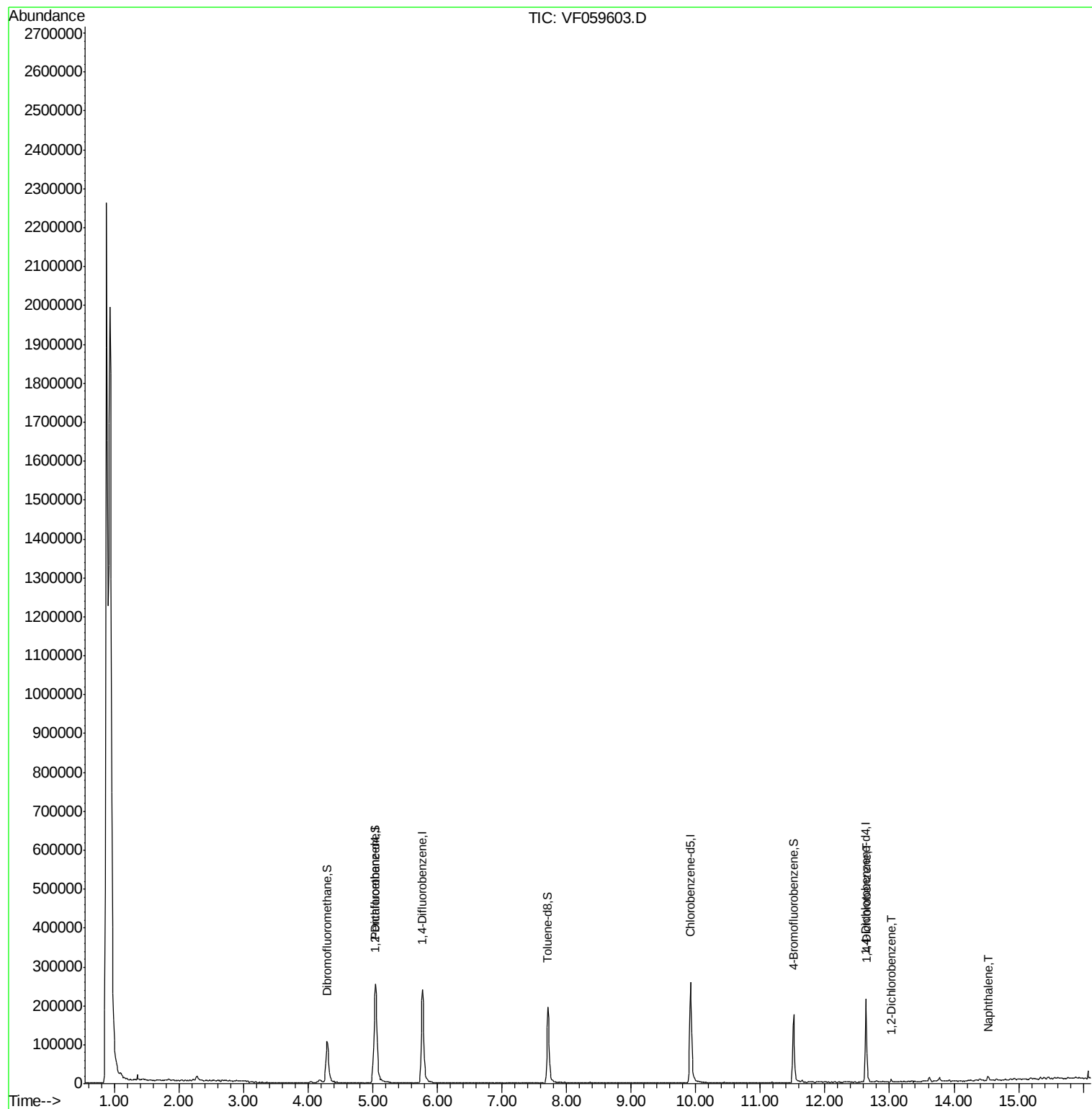
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	185125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	252202	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	186512	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	57406	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	99913	34.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.40%	
35) Dibromofluoromethane	4.30	113	99622	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	
50) Toluene-d8	7.71	98	160634	29.20	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	58.40%	
62) 4-Bromofluorobenzene	11.52	95	63054	21.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	43.70%	
Target Compounds						
88) 1,4-Dichlorobenzene	12.65	146	2114	1.23	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	1804	1.08	ug/l	73
95) Naphthalene	14.52	128	4585	2.18	ug/l #	93

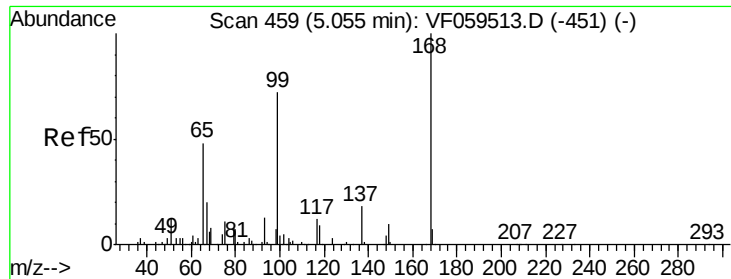
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

Instrument :

MSVOA_F

ClientSampleId :

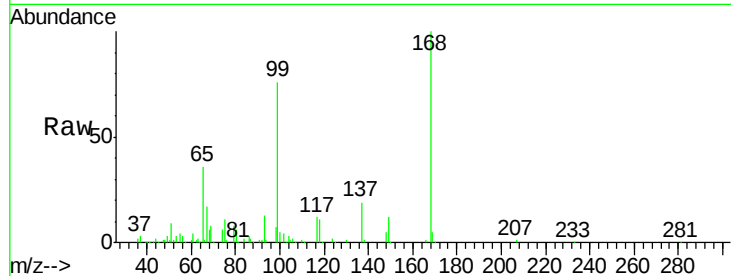
LS-SOIL-3RE

Tot Ion:168 Resp: 185125

Ion Ratio Lower Upper

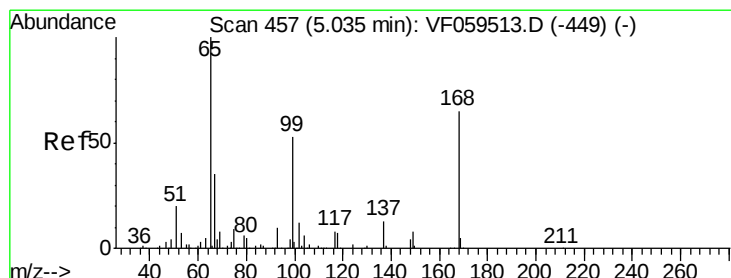
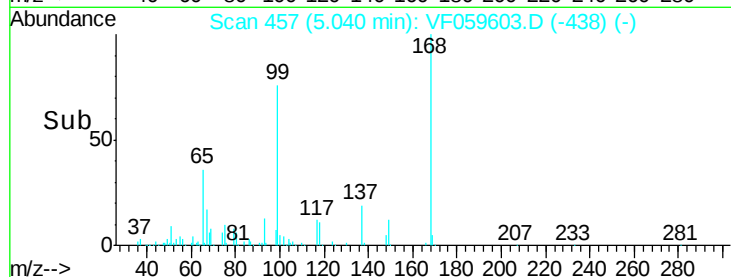
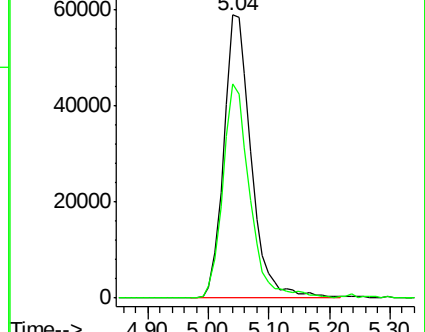
168 100

99 75.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 34.70 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059603.D

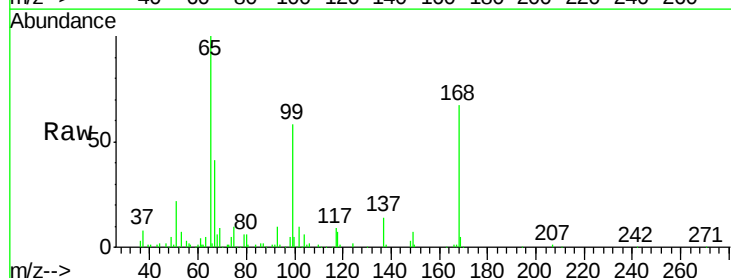
Acq: 21 Jul 2018 1:33

Tgt Ion: 65 Resp: 99913

Ion Ratio Lower Upper

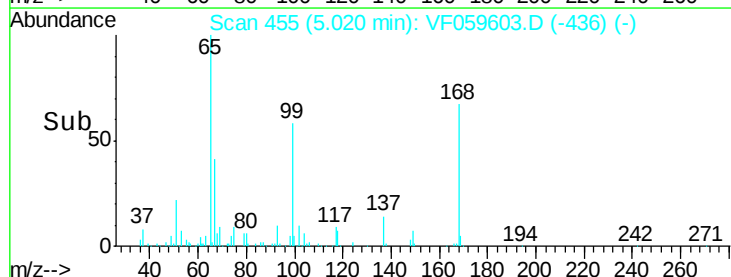
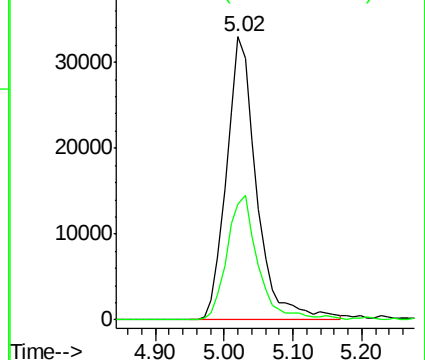
65 100

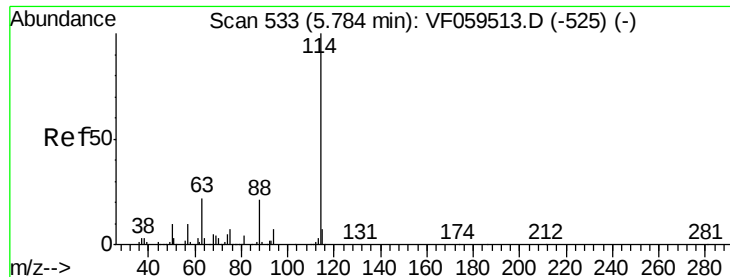
67 40.9 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-3RE

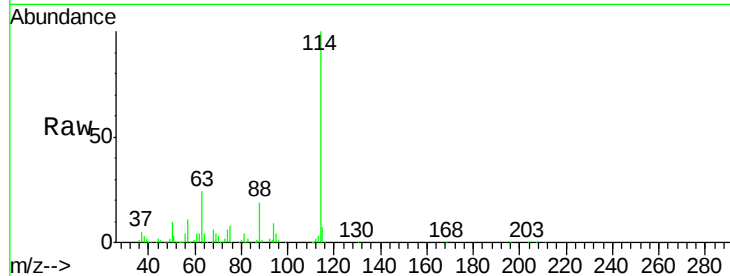
Tot Ion:114 Resp: 252202

Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.8

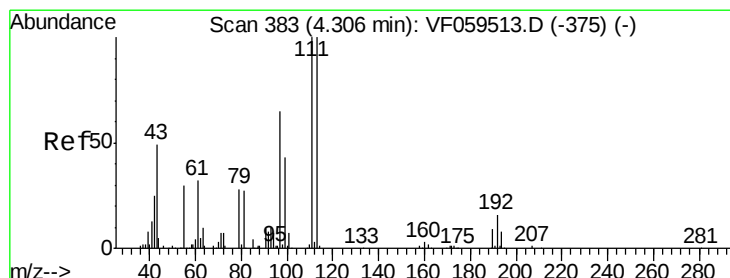
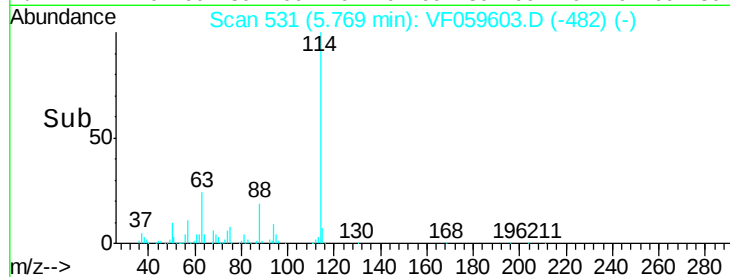
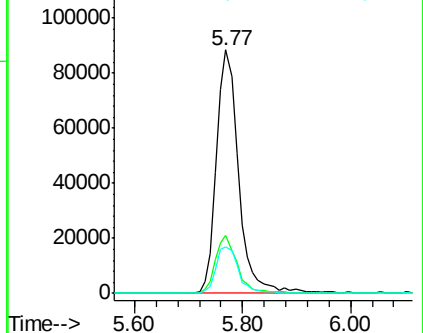
88 19.2 0.0 42.6



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



#35

Dibromofluoromethane

Concen: 45.61 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

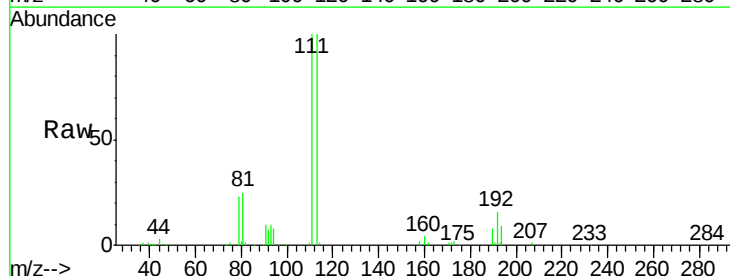
Tgt Ion:113 Resp: 99622

Ion Ratio Lower Upper

113 100

111 100.3 80.3 120.5

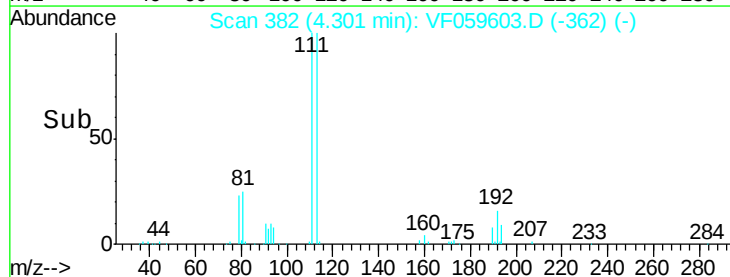
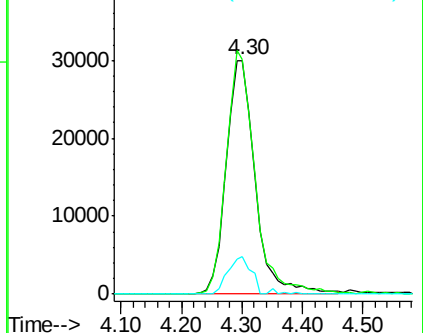
192 15.8 13.1 19.7

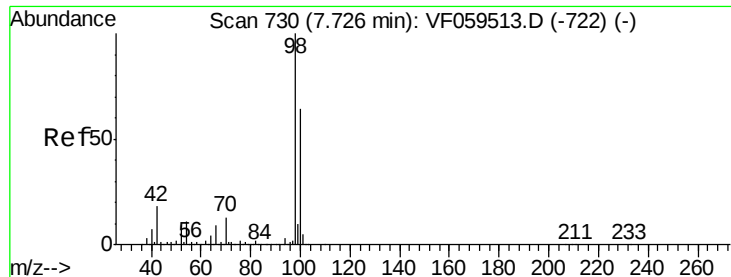


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 29.20 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

Instrument :

MSVOA_F

ClientSampleId :

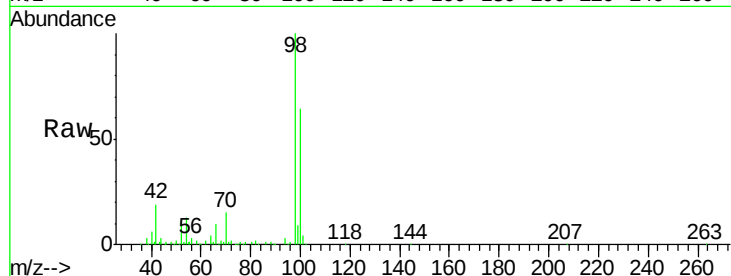
LS-SOIL-3RE

Tot Ion: 98 Resp: 160634

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

60000

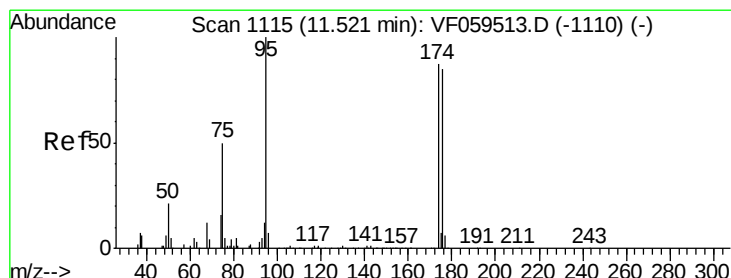
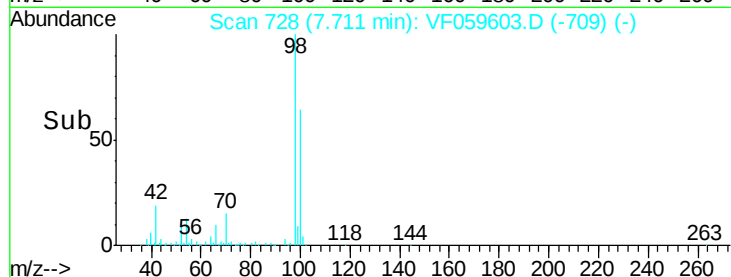
40000

20000

0

7.60 7.70 7.80 7.90

Time-->



#62

4-Bromofluorobenzene

Concen: 21.85 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

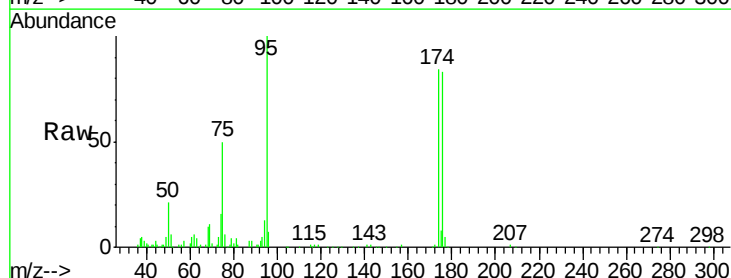
Tgt Ion: 95 Resp: 63054

Ion Ratio Lower Upper

95 100

174 84.4 0.0 174.4

176 83.4 0.0 169.4



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

40000

30000

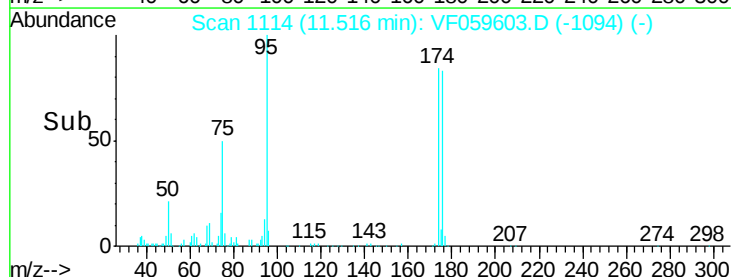
20000

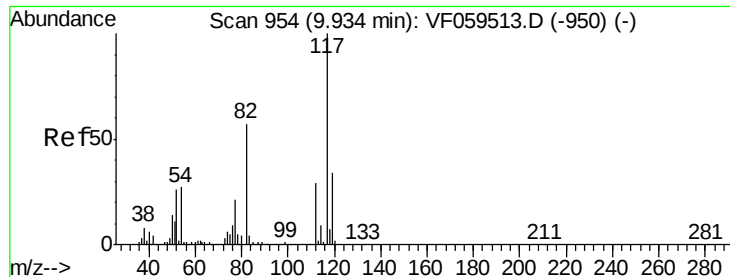
10000

0

11.40 11.50 11.60 11.70

Time-->

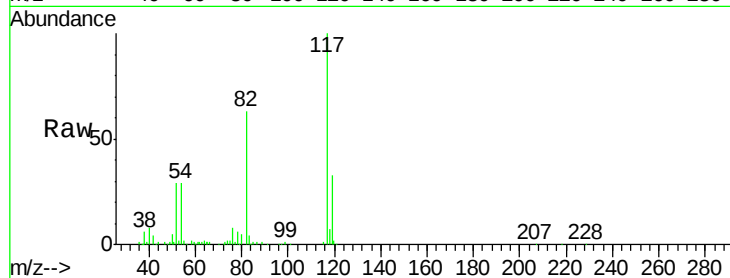




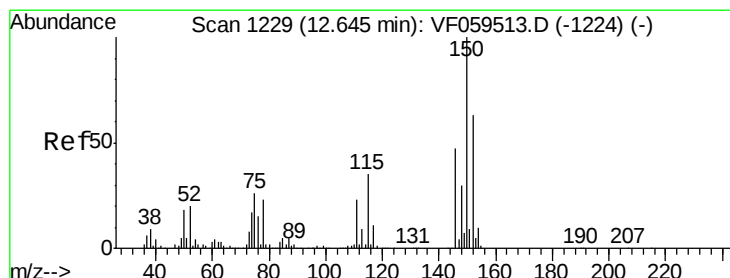
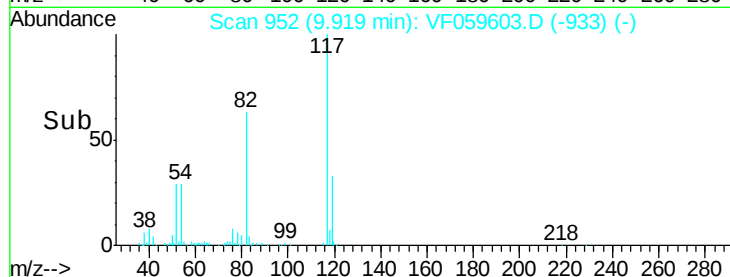
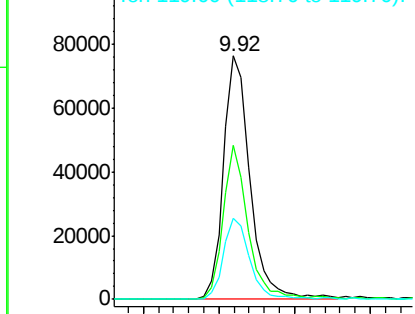
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-3RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	46.1	69.1
119	33.0	27.2	40.8

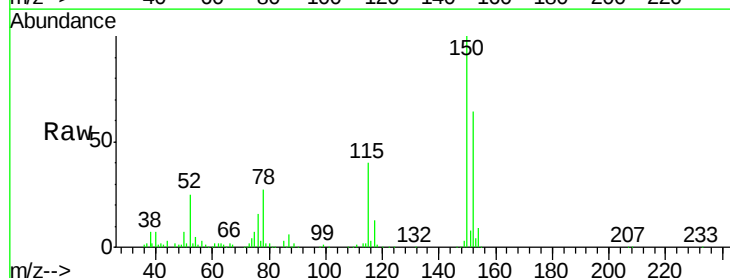


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

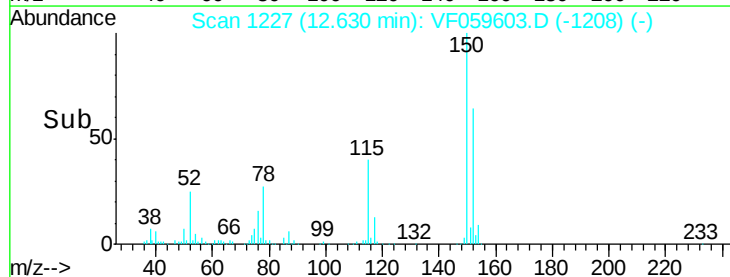
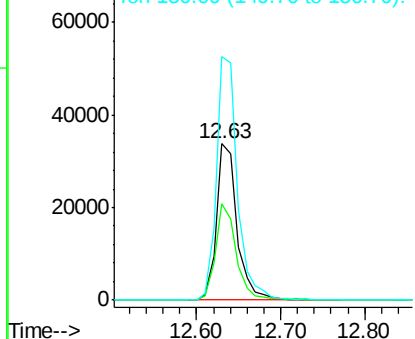


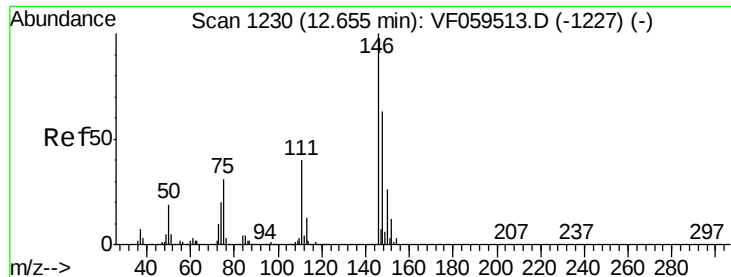
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	27.8	83.3
150	155.8	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: 1.23 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-3RE

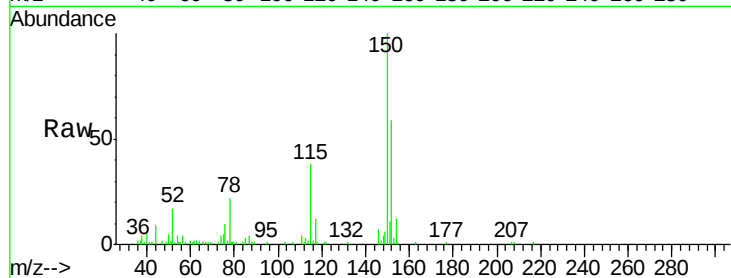
Tot Ion:146 Resp: 2114

Ion Ratio Lower Upper

146 100

111 51.0 20.0 59.9

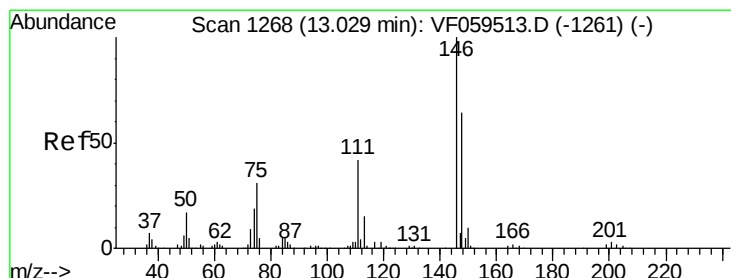
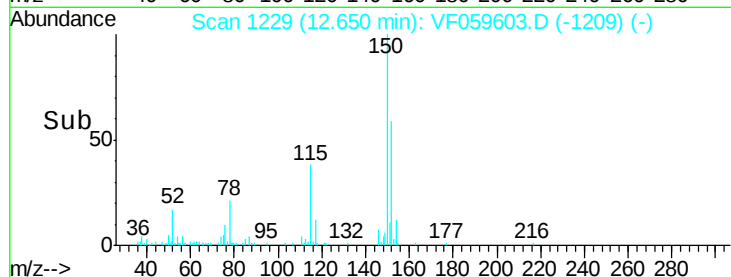
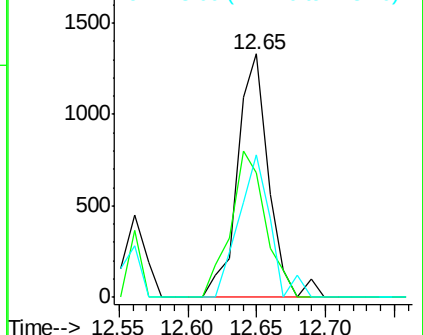
148 58.4 31.5 94.5



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: 1.08 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

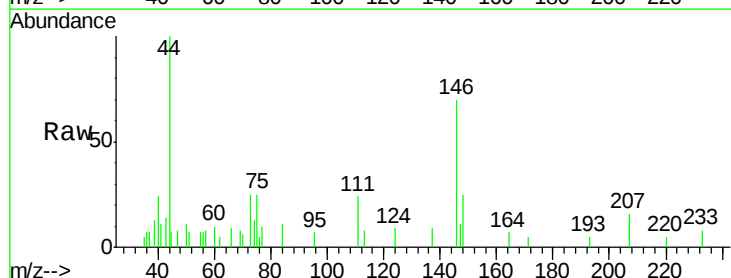
Tgt Ion:146 Resp: 1804

Ion Ratio Lower Upper

146 100

111 33.6 21.1 63.1

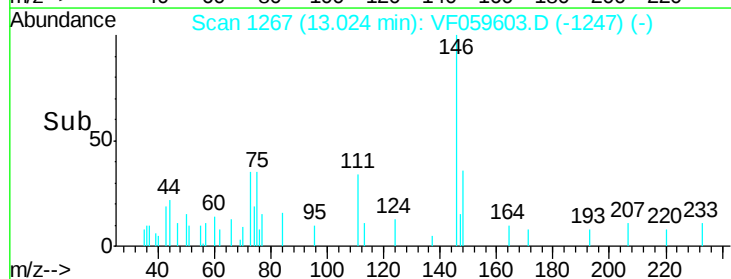
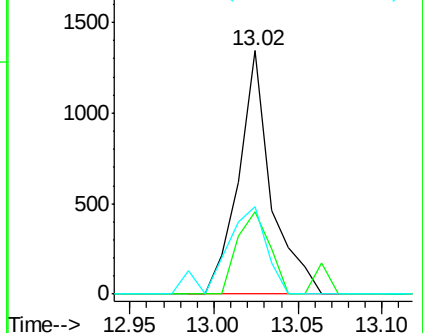
148 36.1 32.3 96.8

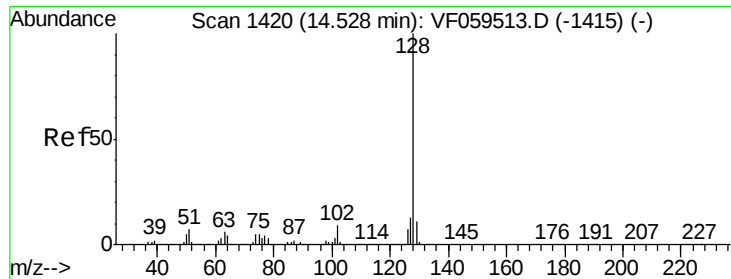


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#95

Naphthalene

Concen: 2.18 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

Instrument :

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LS-SOIL-3RE

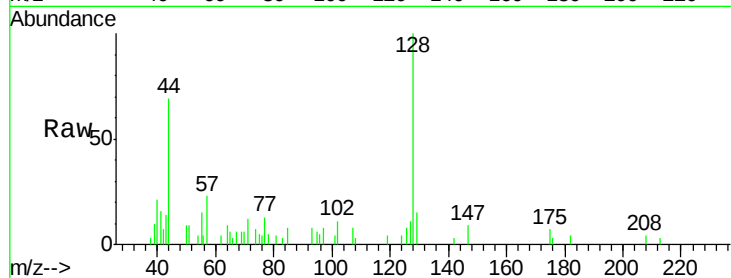
Tot Ion:128 Resp: 4585

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.2

129 14.9 9.0 13.4#



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

