

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059605.D
 Acq On : 21 Jul 2018 2:28
 Operator : VA/AP
 Sample : J4057-17RE
 Misc : 6.04g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-5RE

Quant Time: Jul 21 04:34:30 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	178984	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	266369	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	219200	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	87216	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	110615	39.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	79.48%	
35) Dibromofluoromethane	4.30	113	108462	47.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.04%	
50) Toluene-d8	7.72	98	210448	36.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	72.42%	
62) 4-Bromofluorobenzene	11.51	95	86894	28.50	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	57.00%	

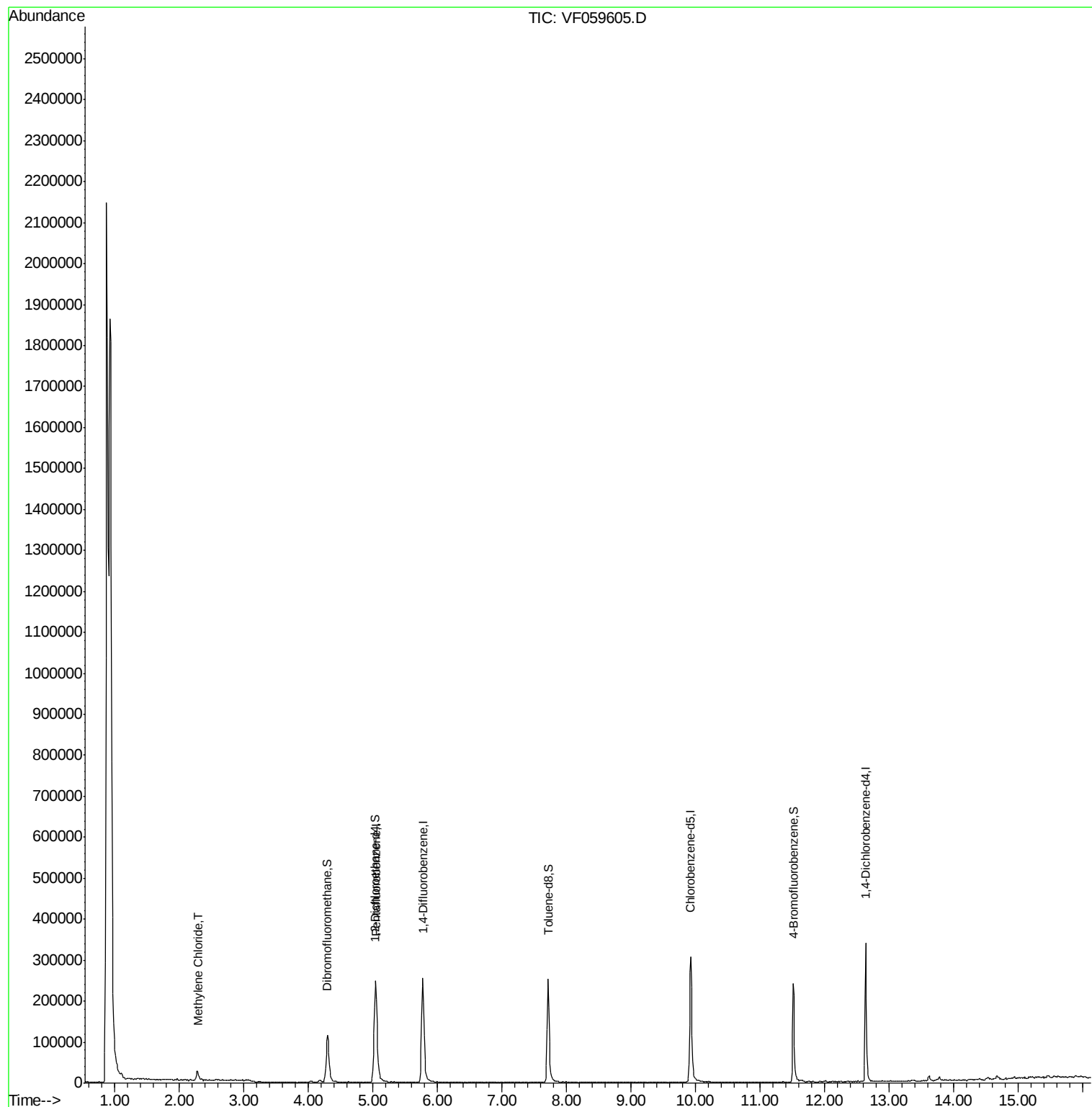
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.27	84	9715	3.47	ug/l	# 73

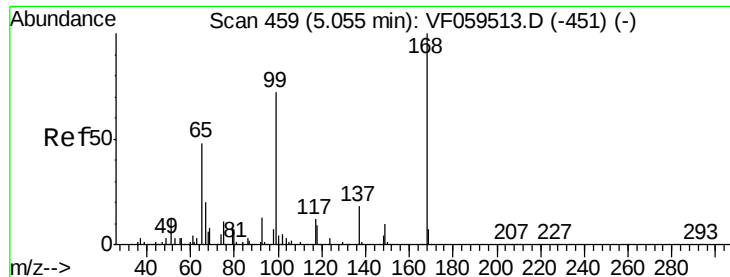
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

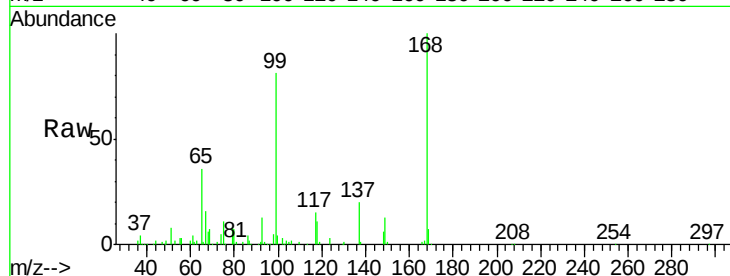
LS-SOIL-5RE

Tot Ion:168 Resp: 178984

Ion Ratio Lower Upper

168 100

99 80.7 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

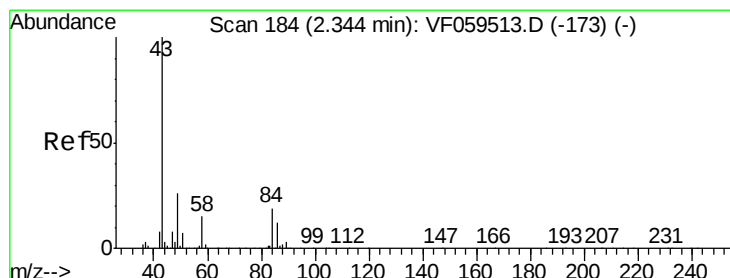
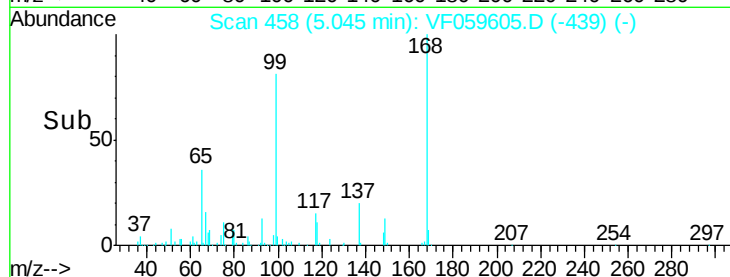
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#20

Methylene Chloride

Concen: 3.47 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.07 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Tgt Ion: 84 Resp: 9715

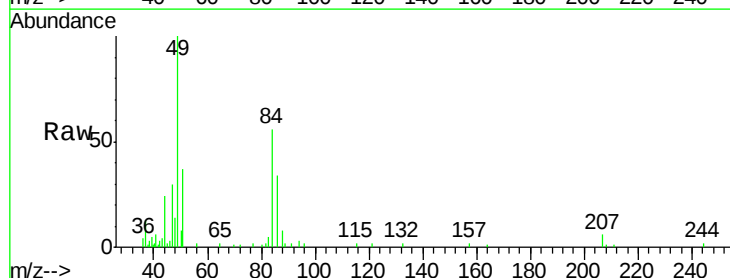
Ion Ratio Lower Upper

84 100

49 177.5 109.4 164.2#

51 64.9 30.5 45.7#

86 59.8 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

10000

8000

6000

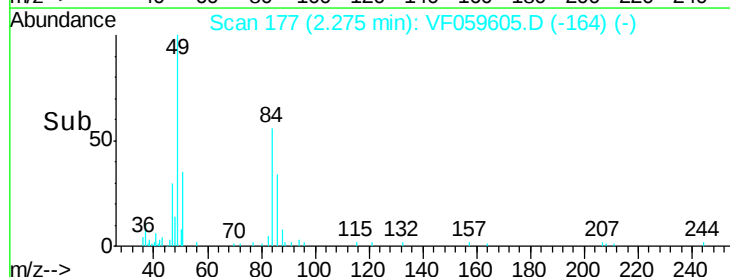
4000

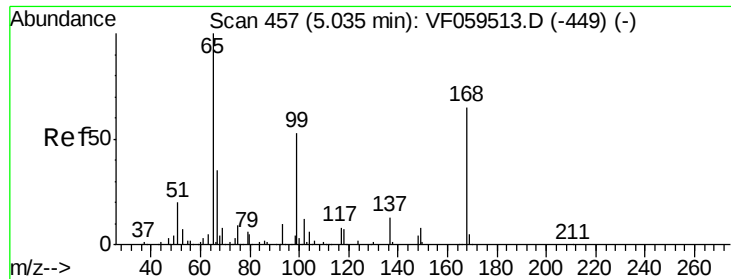
2000

0

2.20 2.30 2.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 39.74 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

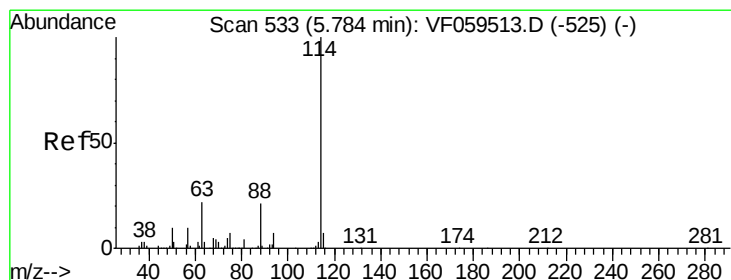
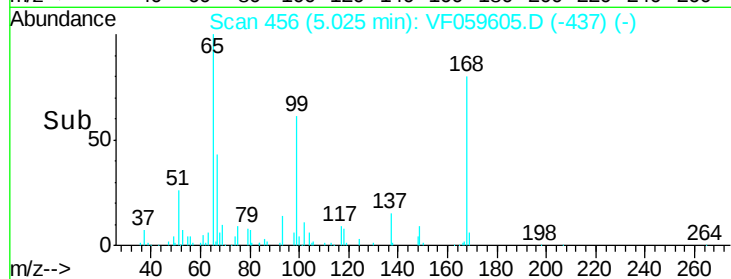
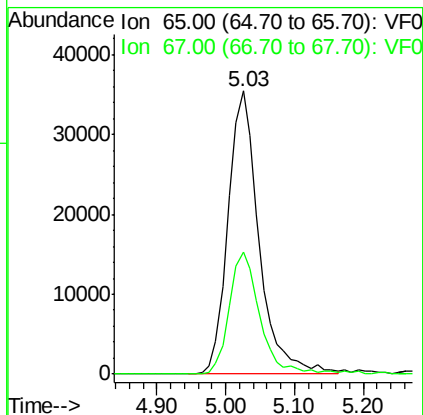
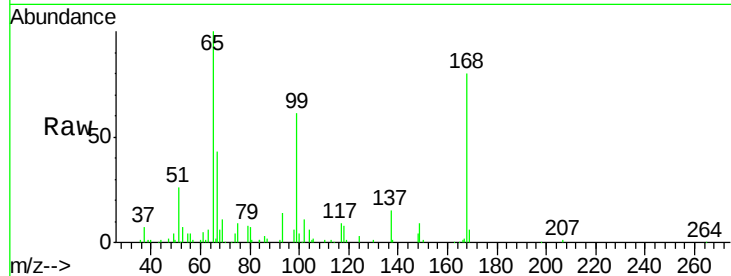
LS-SOIL-5RE

Tot Ion: 65 Resp: 110615

Ion Ratio Lower Upper

65 100

67 43.3 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

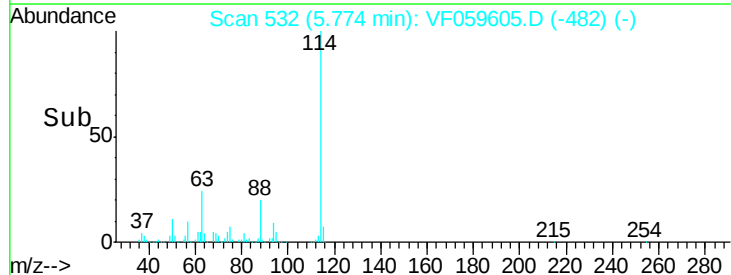
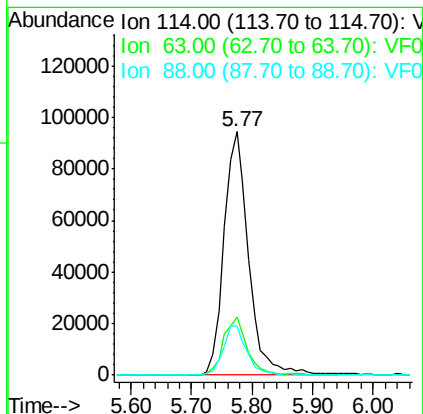
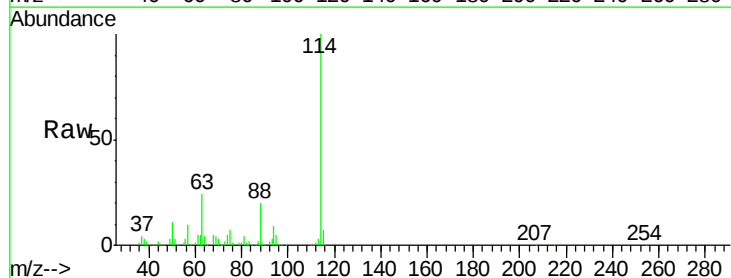
Tgt Ion: 114 Resp: 266369

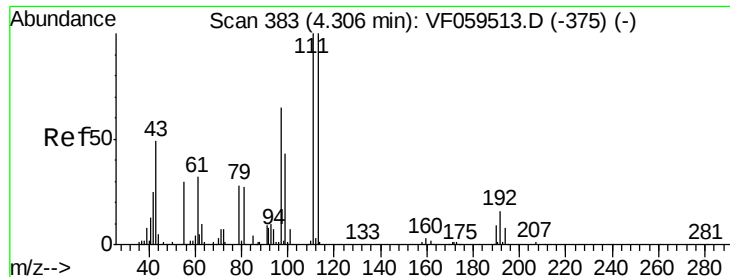
Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.8

88 19.9 0.0 42.6

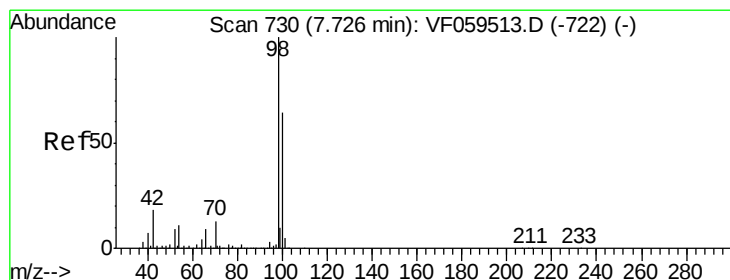
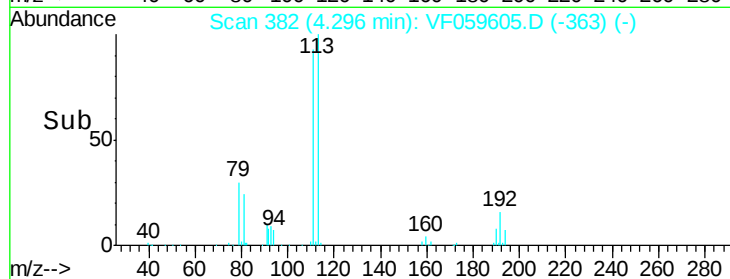
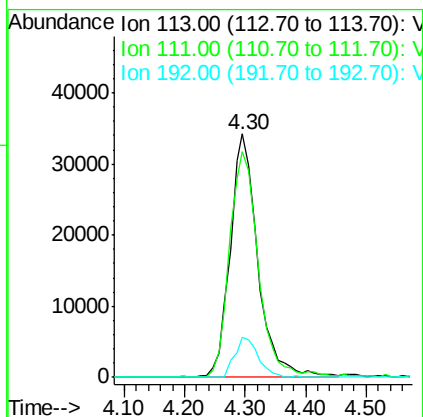
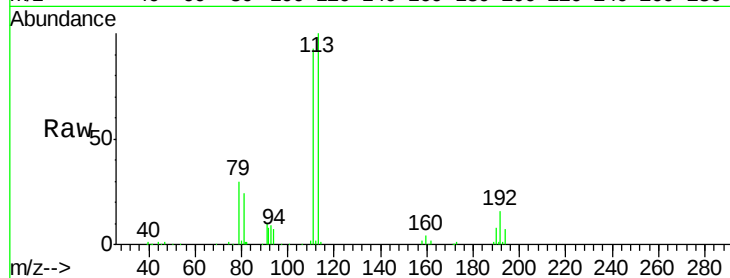




#35
 Dibromofluoromethane
 Concen: 47.02 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF059605.D
 Acq: 21 Jul 2018 2:28

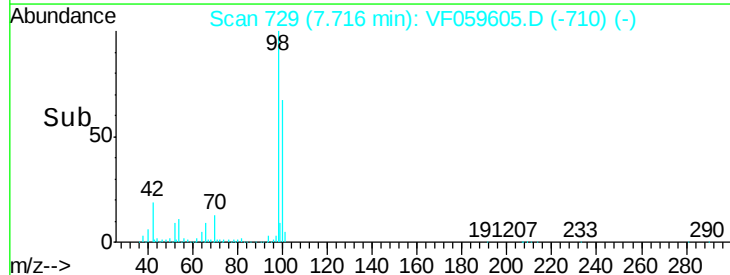
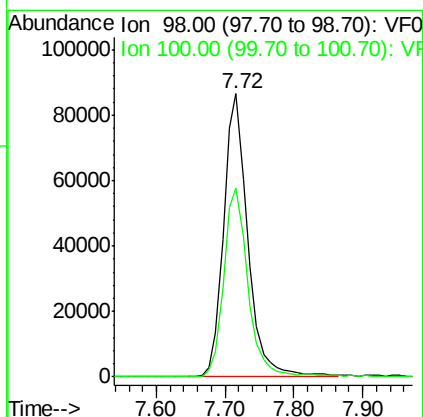
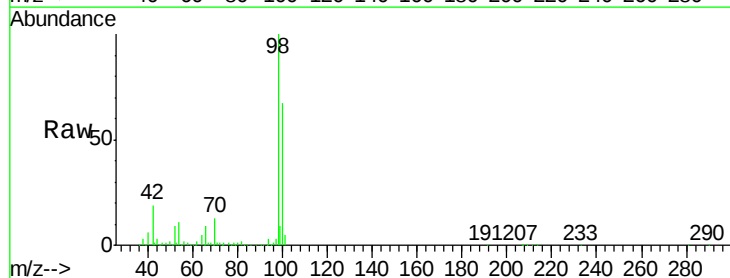
Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-5RE

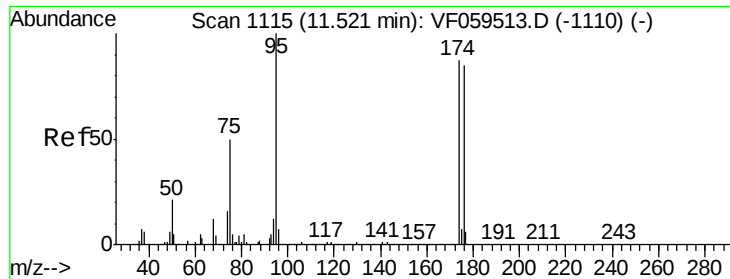
Tot Ion	Ratio	Lower	Upper
113	100		
111	92.8	80.3	120.5
192	16.3	13.1	19.7



#50
 Toluene-d8
 Concen: 36.21 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: VF059605.D
 Acq: 21 Jul 2018 2:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	50.9	76.3





#62

4-Bromofluorobenzene

Concen: 28.50 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-5RE

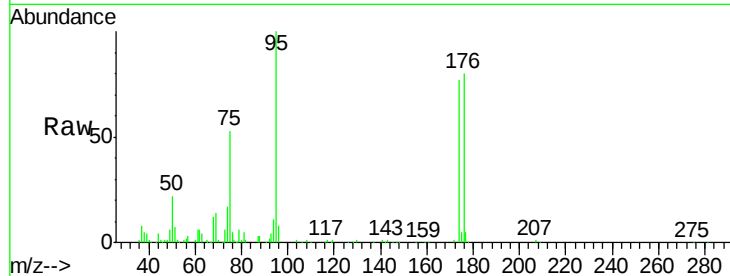
Tot Ion: 95 Resp: 86894

Ion Ratio Lower Upper

95 100

174 76.9 0.0 174.4

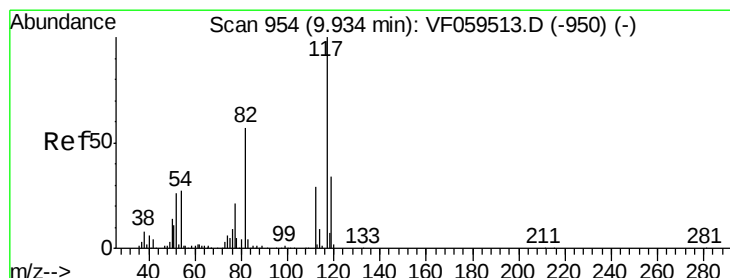
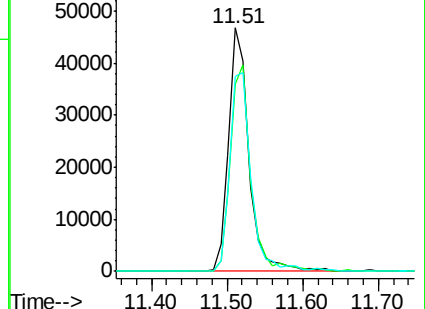
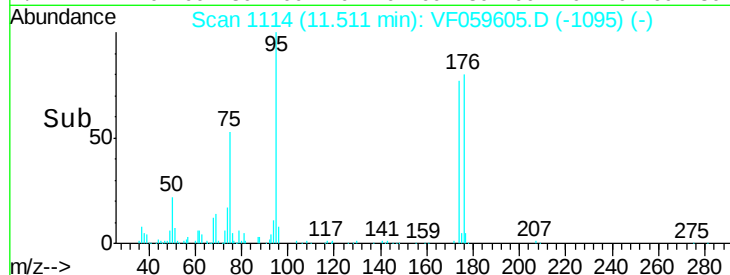
176 79.9 0.0 169.4



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

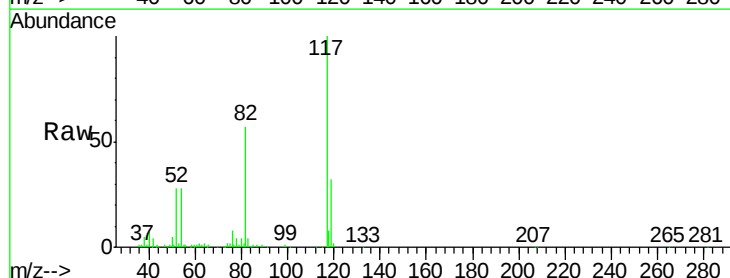
Tgt Ion: 117 Resp: 219200

Ion Ratio Lower Upper

117 100

82 57.4 46.1 69.1

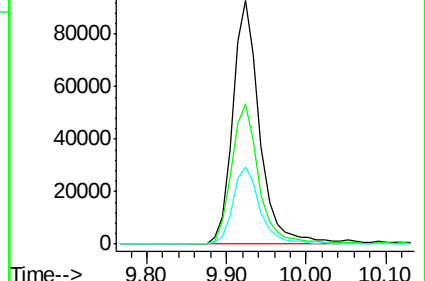
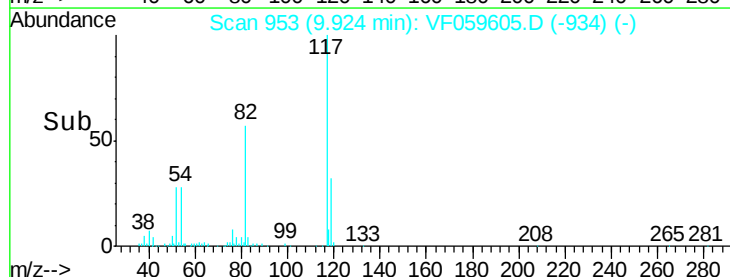
119 31.8 27.2 40.8

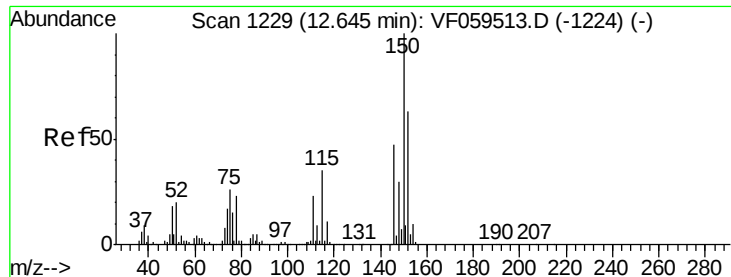


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059605.D

Acq: 21 Jul 2018 2:28

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-5RE

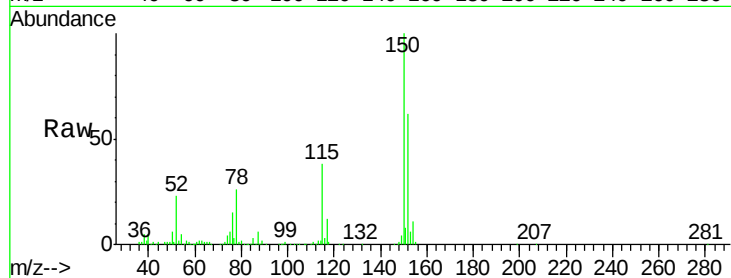
Tot Ion:152 Resp: 87216

Ion Ratio Lower Upper

152 100

115 61.6 27.8 83.3

150 161.3 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

