

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059578.D
 Acq On : 20 Jul 2018 1:57
 Operator : VA/AP
 Sample : J4057-17
 Misc : 6.60g/5mL/MSVOA F/SOIL
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-5

Quant Time: Jul 20 07:24:17 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	45918	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	53518	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	32307	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	8885	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	11490	16.09	ug/l	-0.02
Spiked Amount			Recovery	=	32.18%	
35) Dibromofluoromethane	4.29	113	16375	35.33	ug/l	-0.02
Spiked Amount			Recovery	=	70.66%	
50) Toluene-d8	7.71	98	44247	37.90	ug/l	-0.02
Spiked Amount			Recovery	=	75.80%	
62) 4-Bromofluorobenzene	11.51	95	12121	19.79	ug/l	-0.02
Spiked Amount			Recovery	=	39.58%	

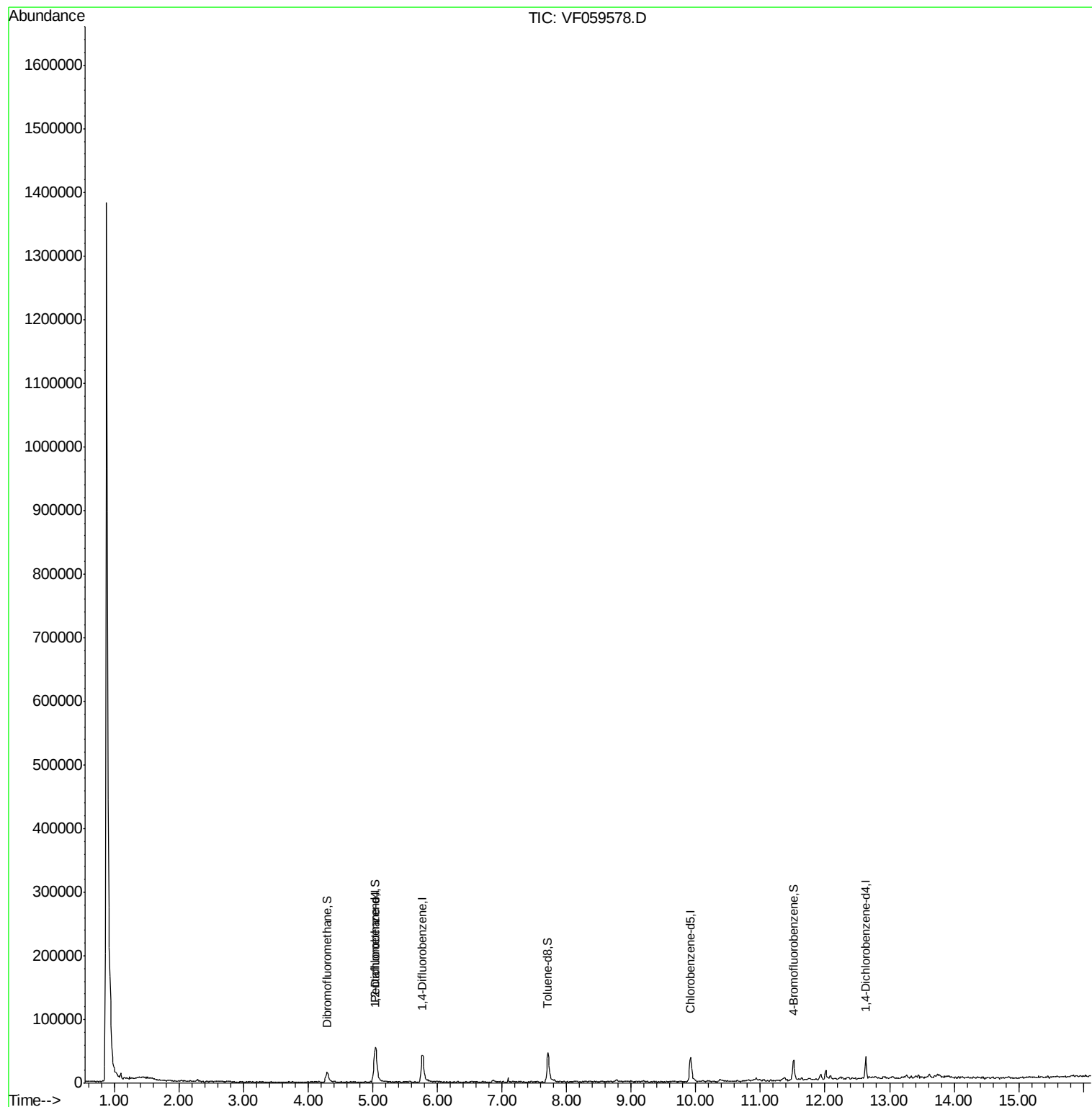
Target Compounds	Qvalue

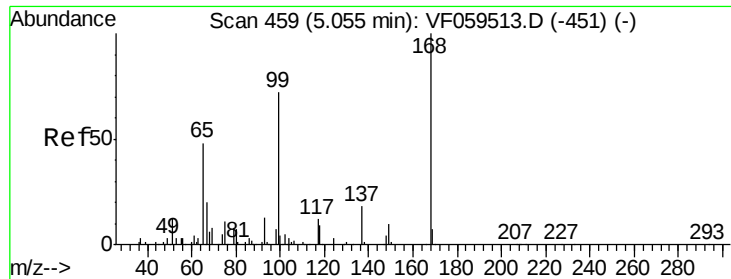
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059578.D

Acq: 20 Jul 2018 1:57

Instrument :

MSVOA_F

ClientSampleId :

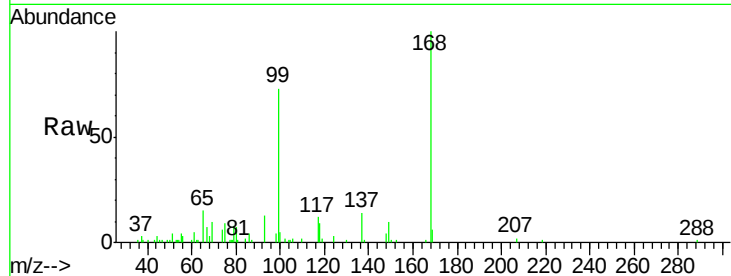
LS-SOIL-5

Tot Ion:168 Resp: 45918

Ion Ratio Lower Upper

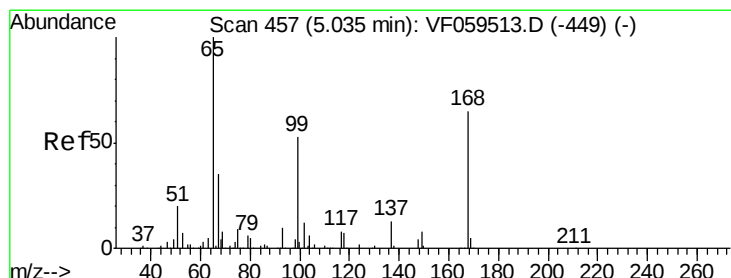
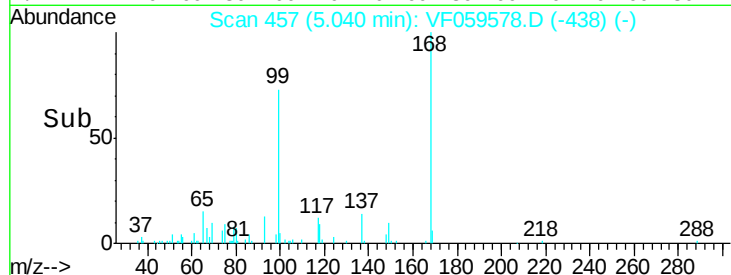
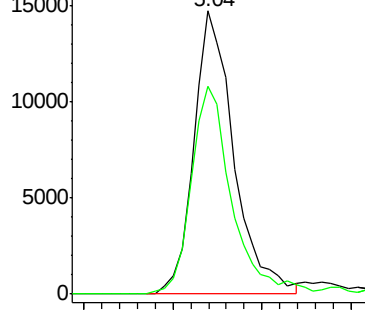
168 100

99 73.3 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: 16.09 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059578.D

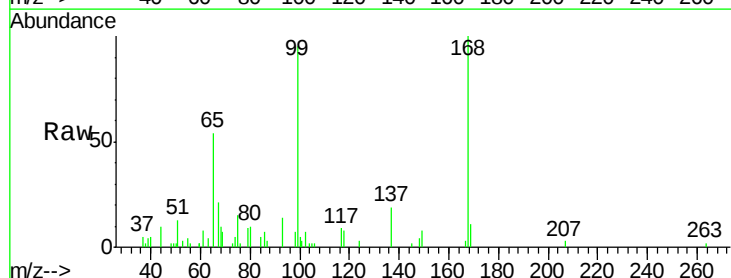
Acq: 20 Jul 2018 1:57

Tgt Ion: 65 Resp: 11490

Ion Ratio Lower Upper

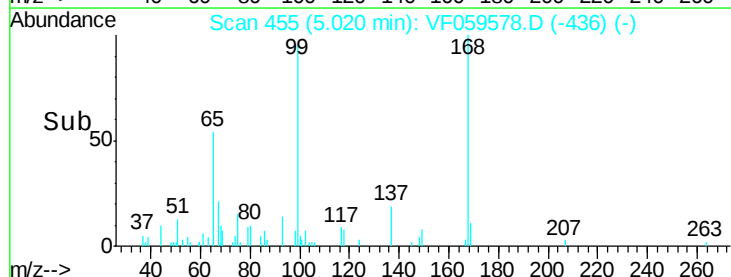
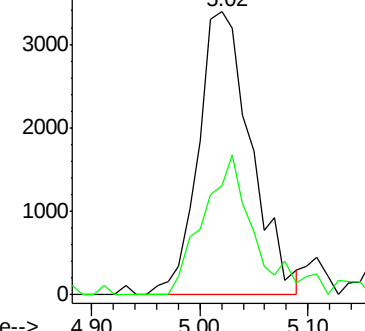
65 100

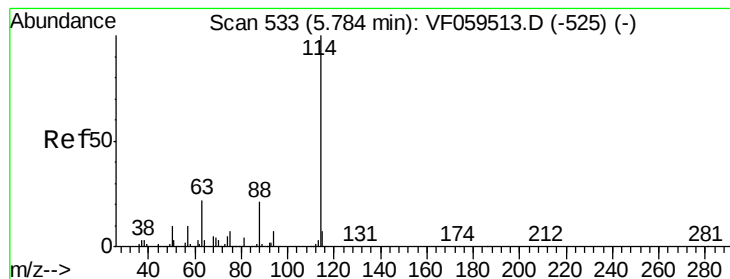
67 38.8 0.0 91.2



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. -0.02 min

Lab File: VF059578.D

Acq: 20 Jul 2018 1:57

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-5

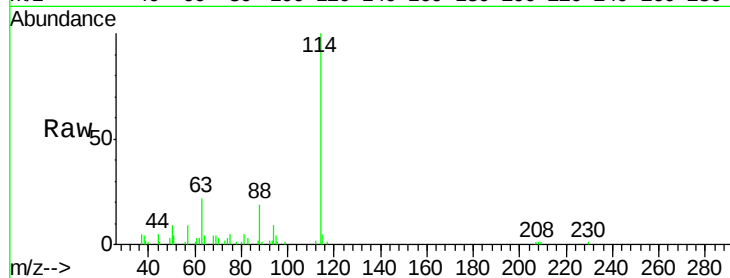
Tot Ion:114 Resp: 53518

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.8

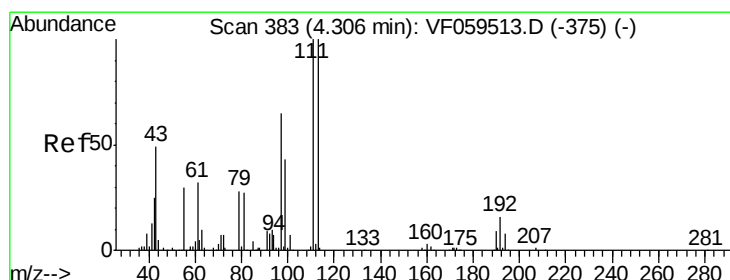
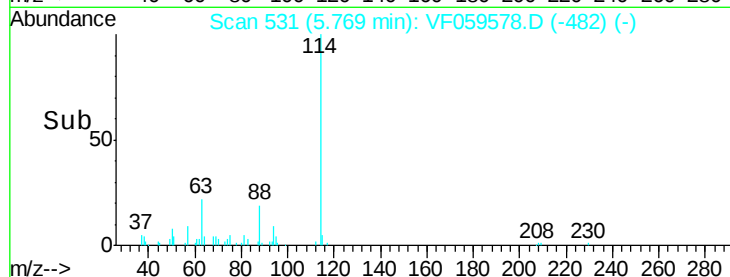
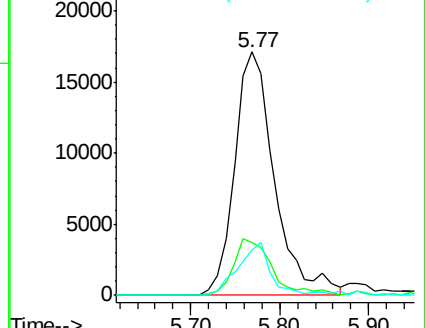
88 18.7 0.0 42.6



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: 35.33 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059578.D

Acq: 20 Jul 2018 1:57

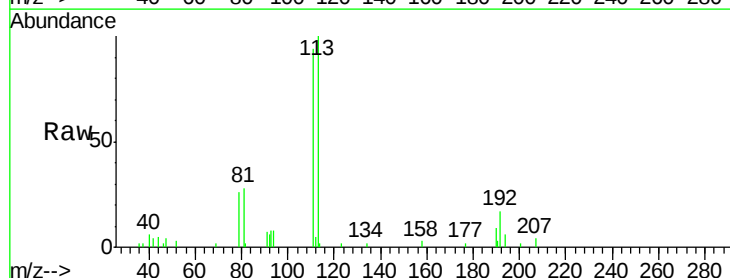
Tgt Ion:113 Resp: 16375

Ion Ratio Lower Upper

113 100

111 92.2 80.3 120.5

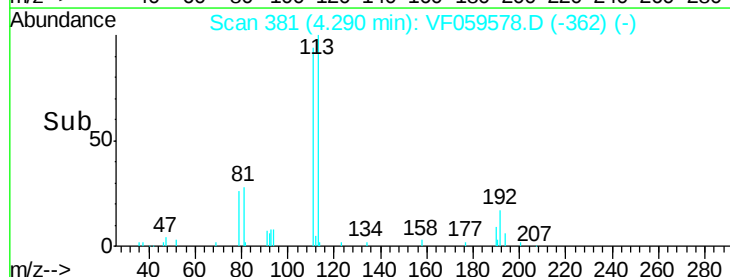
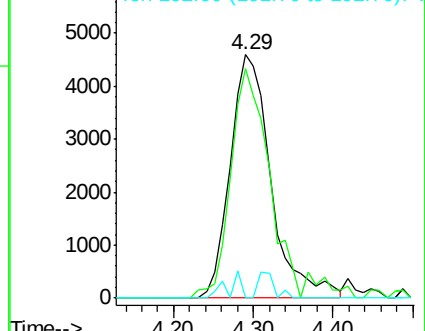
192 0.0 13.1 19.7#

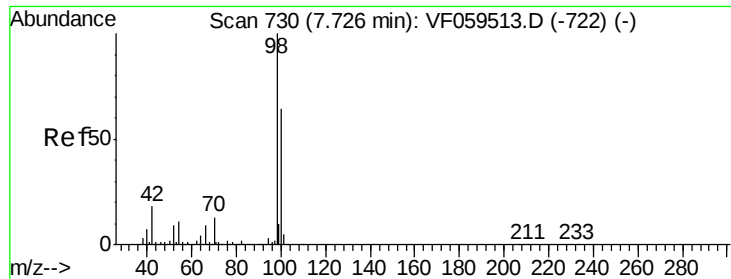


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

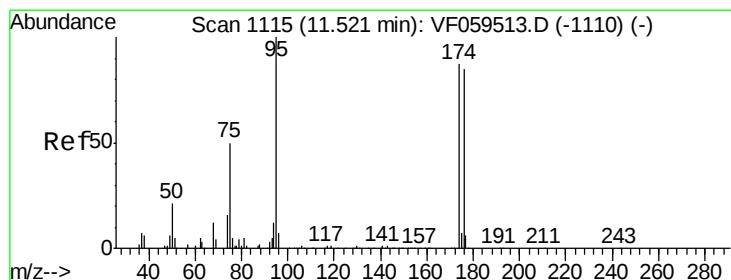
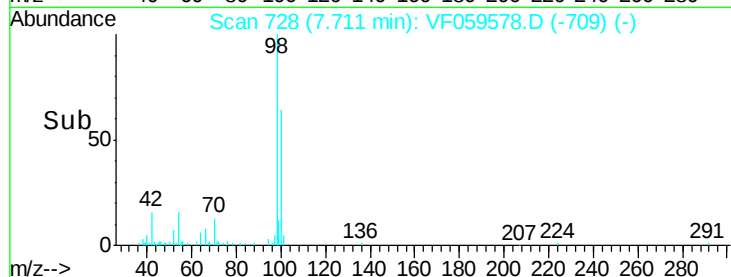
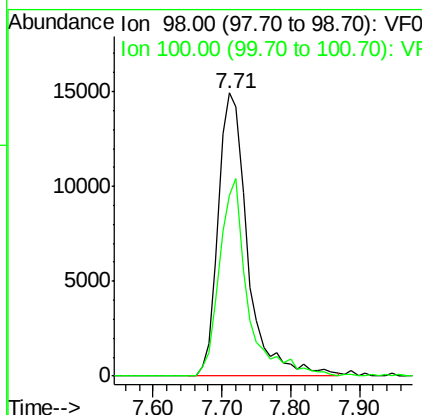
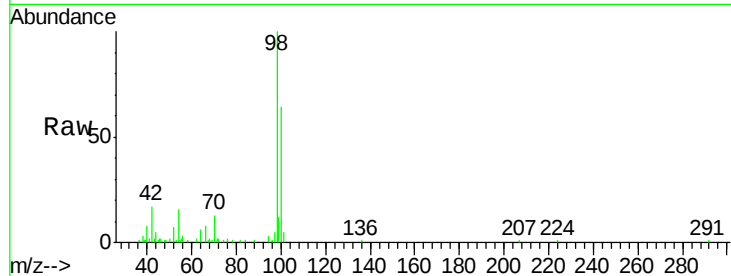




#50
Toluene-d8
Concen: 37.90 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059578.D
Acq: 20 Jul 2018 1:57

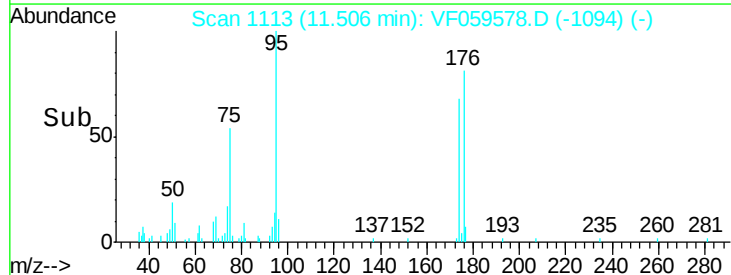
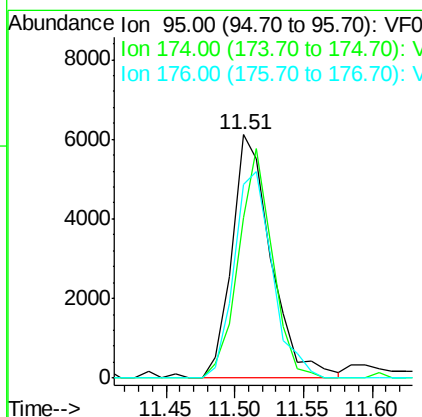
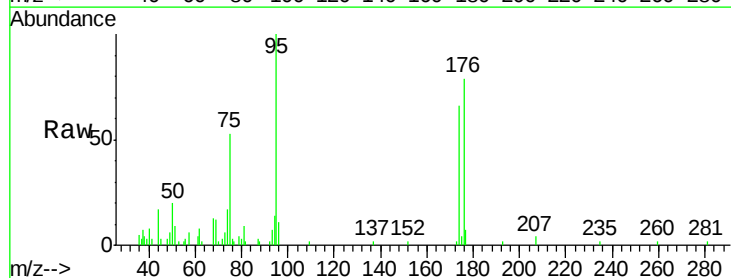
Instrument :
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ClientSampleId :
LS-SOIL-5

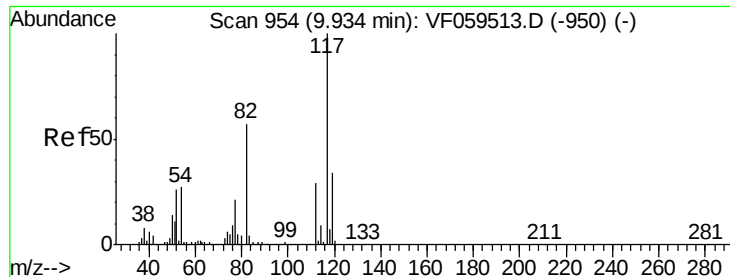
Tot Ion: 98 Resp: 44247
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 19.79 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF059578.D
Acq: 20 Jul 2018 1:57

Tgt Ion: 95 Resp: 12121
Ion Ratio Lower Upper
95 100
174 66.1 0.0 174.4
176 79.3 0.0 169.4

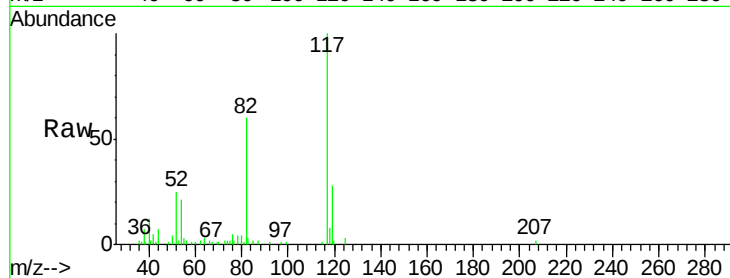




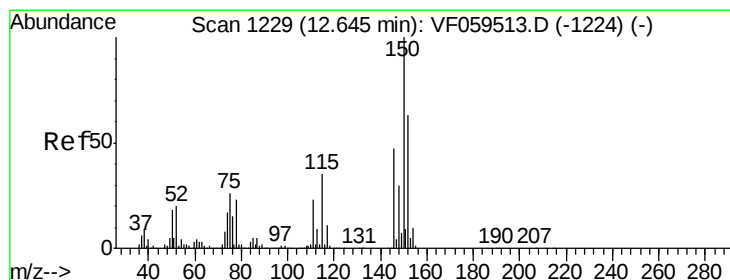
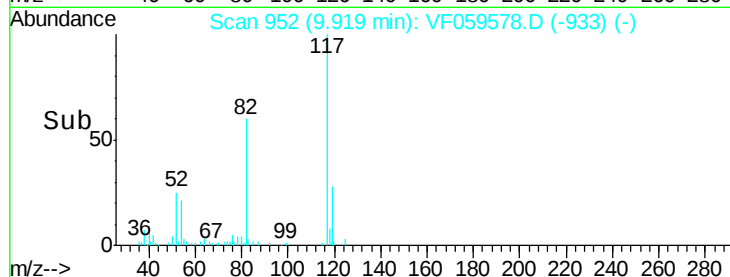
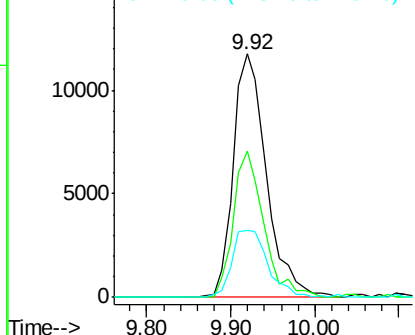
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059578.D
Acq: 20 Jul 2018 1:57

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.1	69.1
119	27.5	27.2	40.8

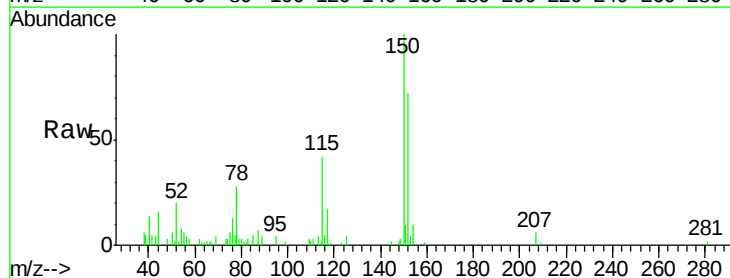


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059578.D
Acq: 20 Jul 2018 1:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.8	83.3
150	138.2	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

