

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060301.D
 Acq On : 20 Sep 2018 17:03
 Operator : VA/AP
 Sample : J5021-01
 Misc : 4.68/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-A

Quant Time: Sep 21 09:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	167643	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	250573	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	204001	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	93349	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	66860	29.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	59.24%	
35) Dibromofluoromethane	4.27	113	89942	40.27	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	80.54%	
50) Toluene-d8	7.68	98	229032	39.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	78.74%	
62) 4-Bromofluorobenzene	11.50	95	85270	33.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.82%	

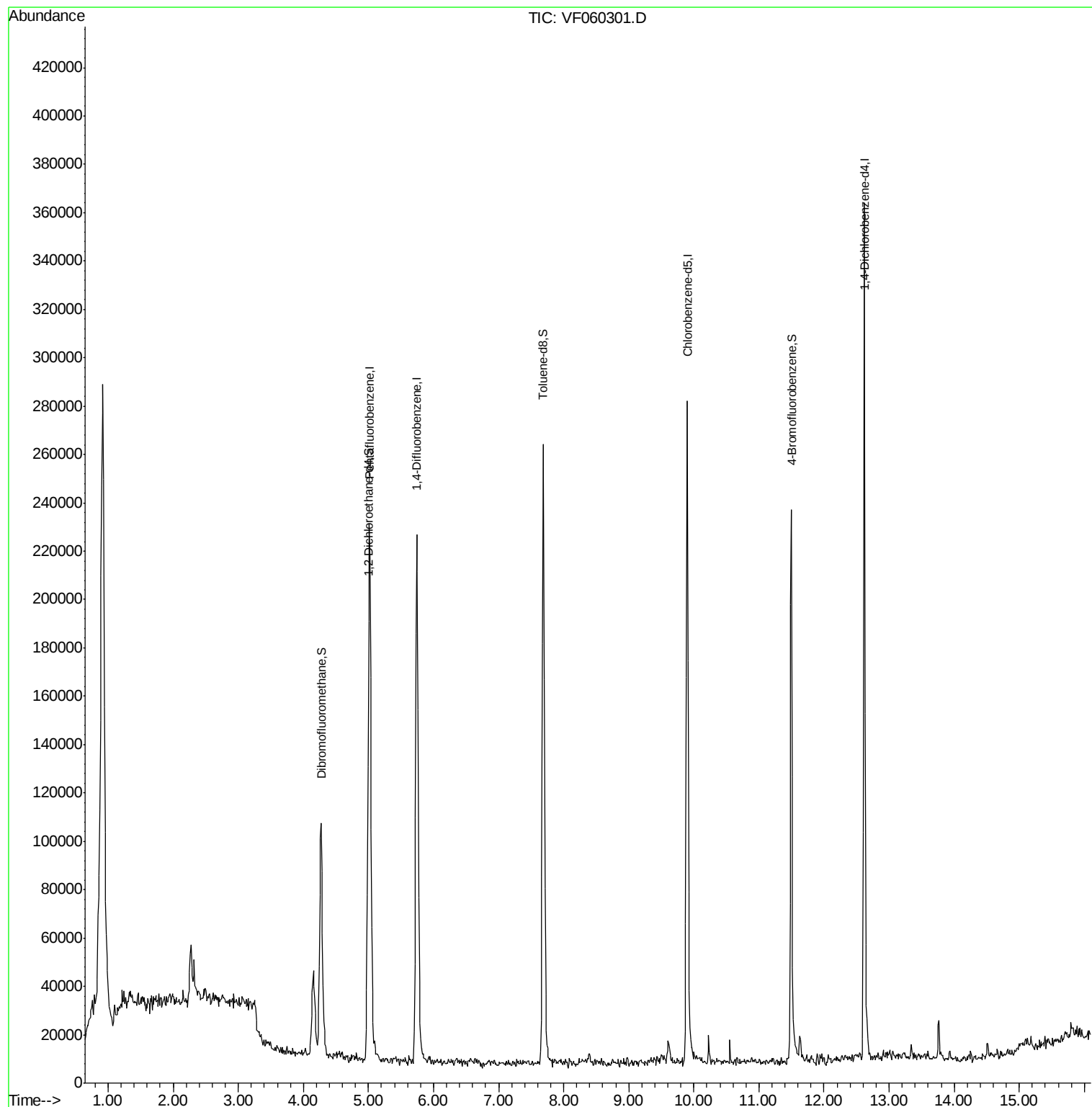
Target Compounds	Qvalue

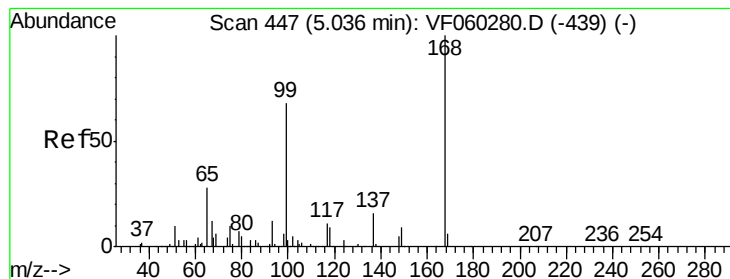
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060301.D

Acq: 20 Sep 2018 17:03

Instrument :

MSVOA_F

ClientSampleId :

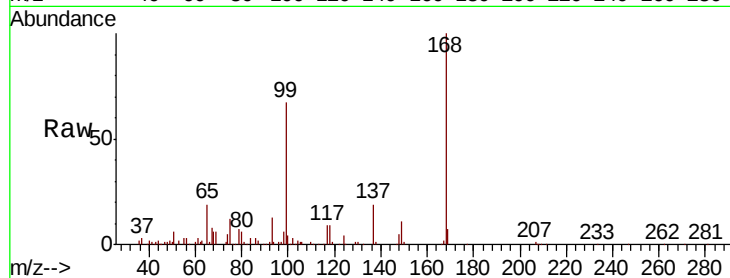
LS-SOIL-A

Tot Ion:168 Resp: 167643

Ion Ratio Lower Upper

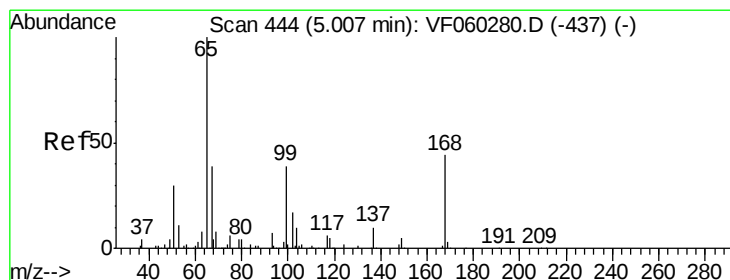
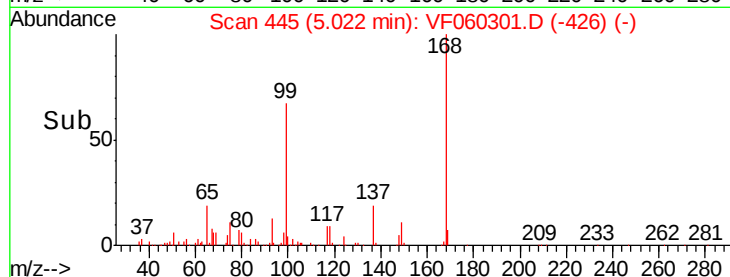
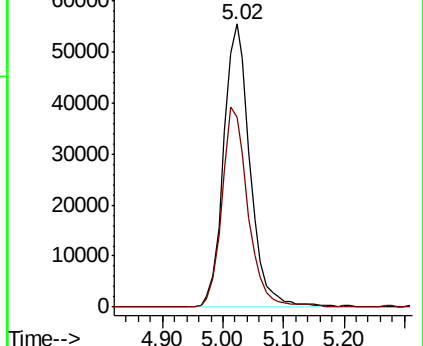
168 100

99 67.3 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 29.619 ug/l

RT: 4.99 min Scan# 442

Delta R.T. -0.01 min

Lab File: VF060301.D

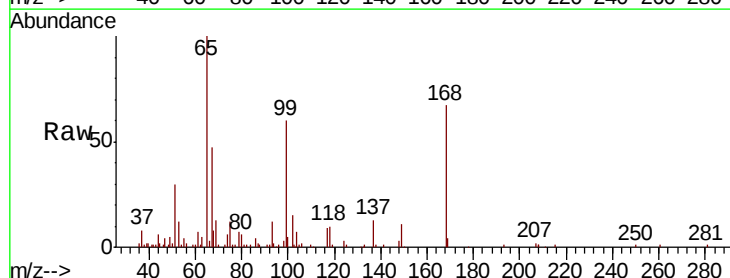
Acq: 20 Sep 2018 17:03

Tgt Ion: 65 Resp: 66860

Ion Ratio Lower Upper

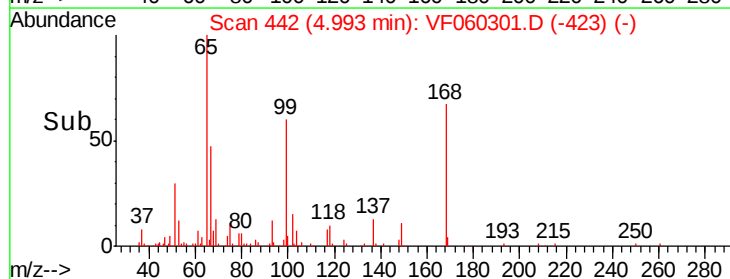
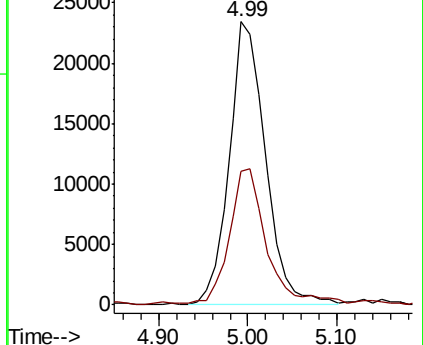
65 100

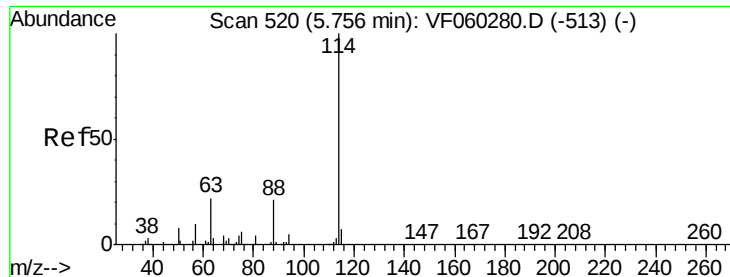
67 47.3 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. -0.01 min

Lab File: VF060301.D

Acq: 20 Sep 2018 17:03

Instrument :

MSVOA_F

ClientSampleId :

LS-SOIL-A

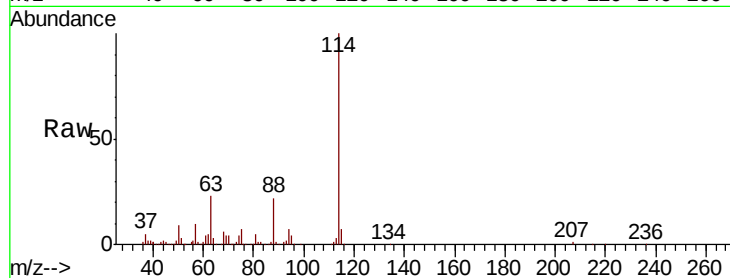
Tot Ion:114 Resp: 250573

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.8

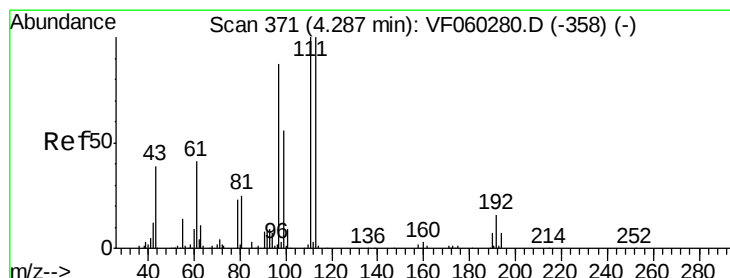
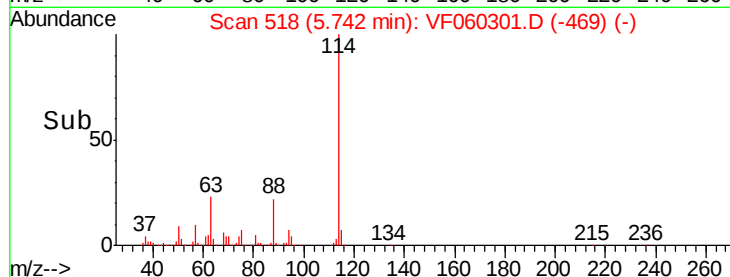
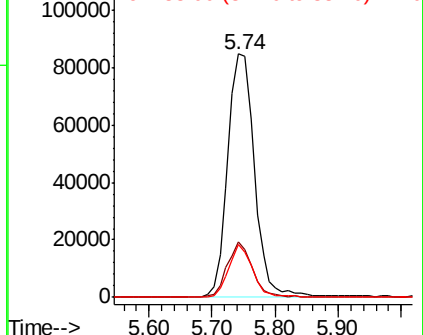
88 21.9 0.0 41.2



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: 40.266 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060301.D

Acq: 20 Sep 2018 17:03

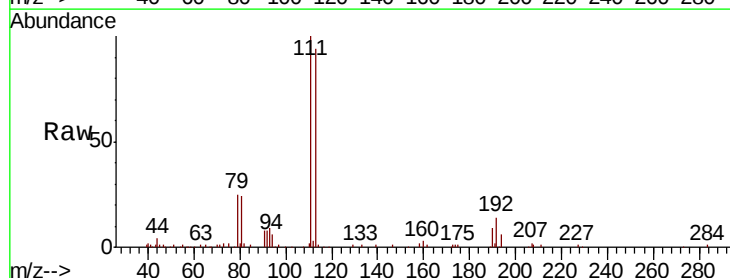
Tgt Ion:113 Resp: 89942

Ion Ratio Lower Upper

113 100

111 106.2 79.6 119.4

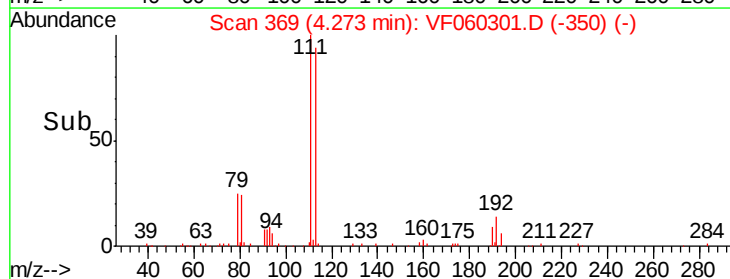
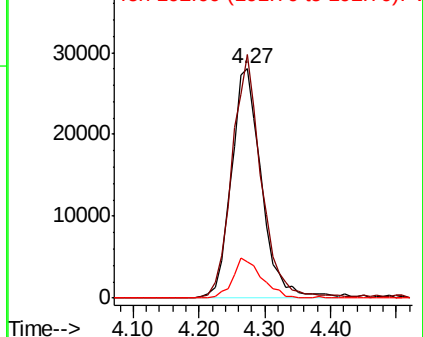
192 15.7 13.0 19.6

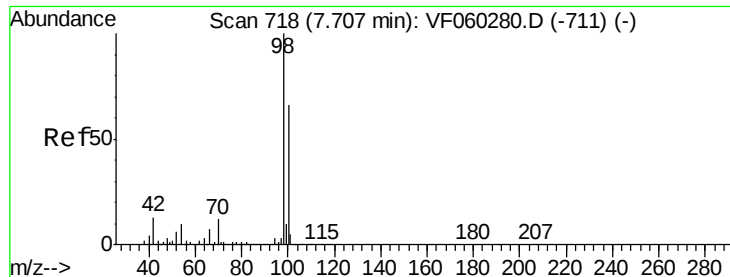


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

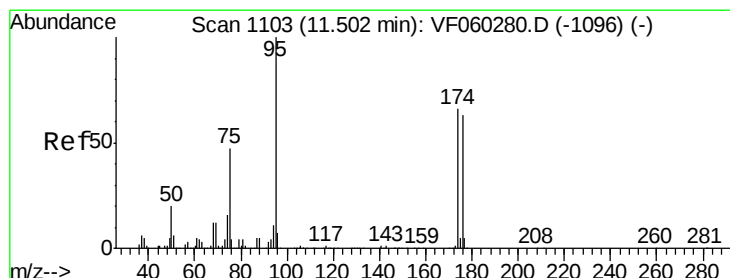
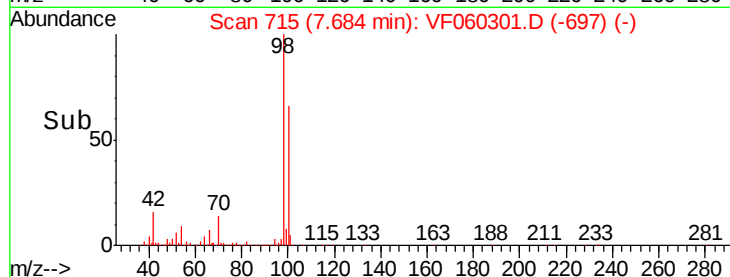
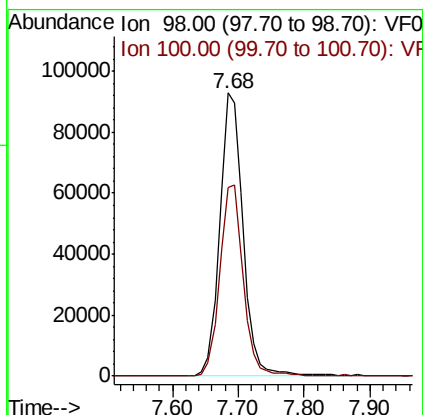
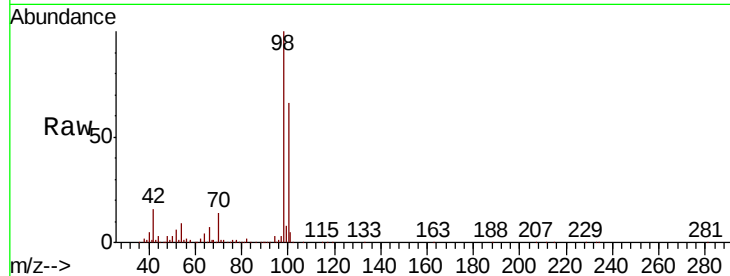




#50
Toluene-d8
Concen: 39.373 ug/l
RT: 7.68 min Scan# 715
Delta R.T. -0.02 min
Lab File: VF060301.D
Acq: 20 Sep 2018 17:03

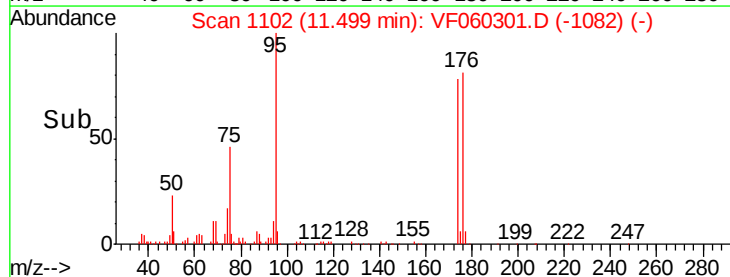
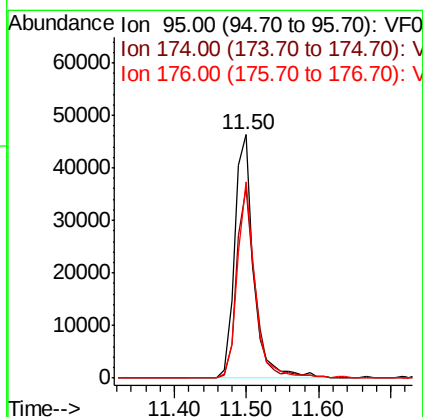
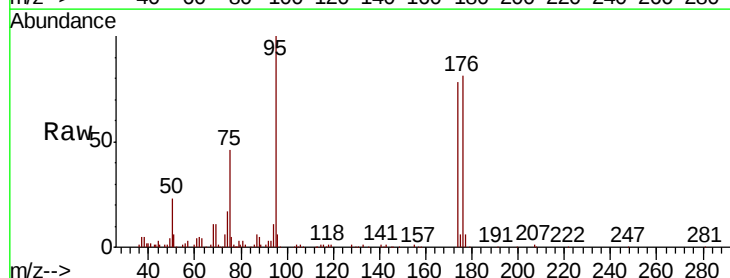
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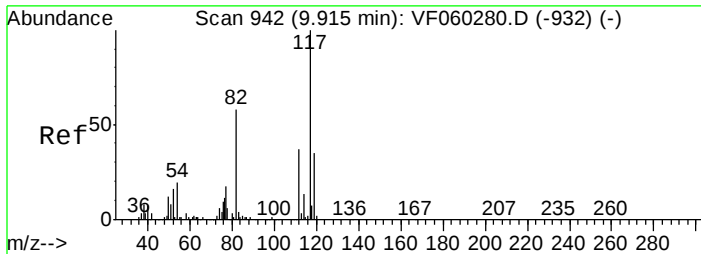
Tot Ion: 98 Resp: 229032
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 33.911 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF060301.D
Acq: 20 Sep 2018 17:03

Tgt Ion: 95 Resp: 85270
Ion Ratio Lower Upper
95 100
174 77.9 0.0 131.2
176 80.7 0.0 126.6

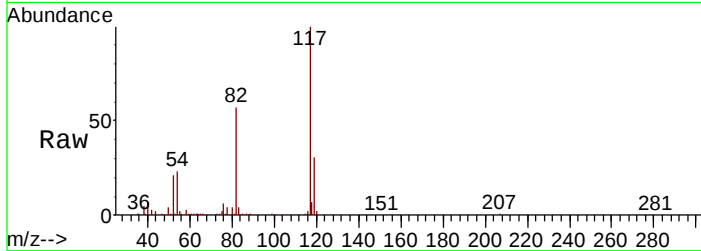




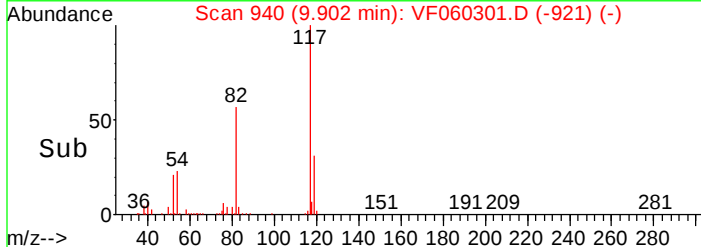
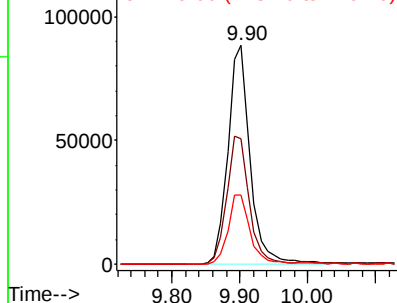
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF060301.D
Acq: 20 Sep 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
LS-SOIL-A

Tot Ion:117 Resp: 204001
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.2
119 31.4 27.8 41.6

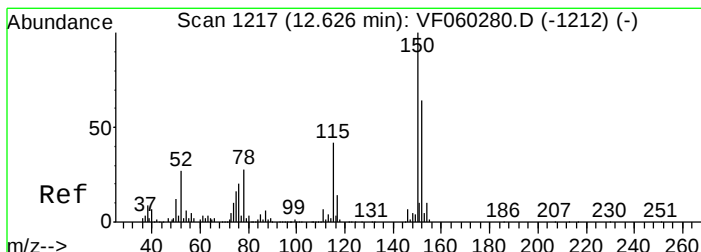


Abundance Ion 117.00 (116.70 to 117.70):
Ion 82.00 (81.70 to 82.70): VF
Ion 119.00 (118.70 to 119.70):



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060301.D
Acq: 20 Sep 2018 17:03

Tgt Ion:152 Resp: 93349
Ion Ratio Lower Upper
152 100
115 57.5 46.2 69.2
150 156.1 132.6 197.8



Abundance Ion 152.00 (151.70 to 152.70):
Ion 115.00 (114.70 to 115.70): VF
Ion 150.00 (149.70 to 150.70):

