

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062642.D
 Acq On : 17 May 2019 16:59
 Operator : FY/SY
 Sample : K2851-01
 Misc : 5.90g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: May 18 02:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

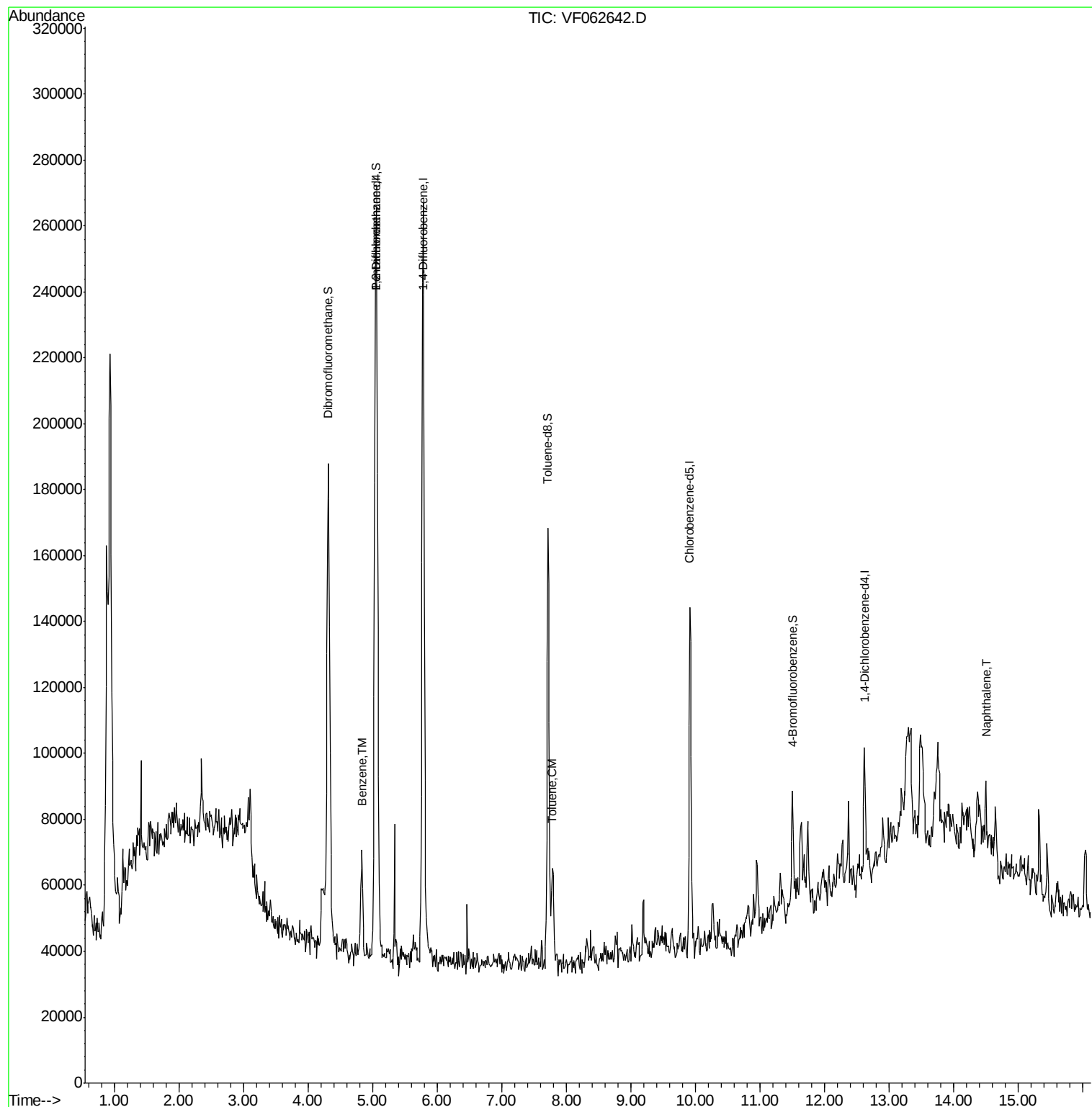
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	196370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	299320	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	83681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	10263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	74404	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	4.31	113	147929	64.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	129.18%	
50) Toluene-d8	7.71	98	115518	21.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.24%	
62) 4-Bromofluorobenzene	11.50	95	15871	7.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	15.30%	
Target Compounds						
40) Benzene	4.84	78	44692	5.349	ug/l	98
52) Toluene	7.78	92	17756	4.052	ug/l	99
95) Naphthalene	14.50	128	12642	32.970	ug/l #	95

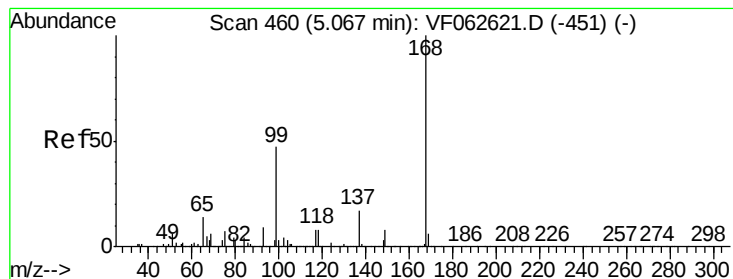
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

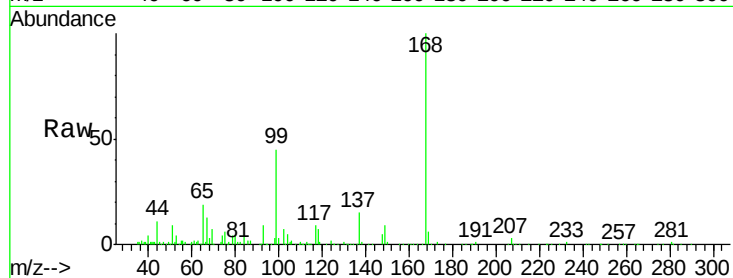
SOIL-COMP

Tot Ion:168 Resp: 196370

Ion Ratio Lower Upper

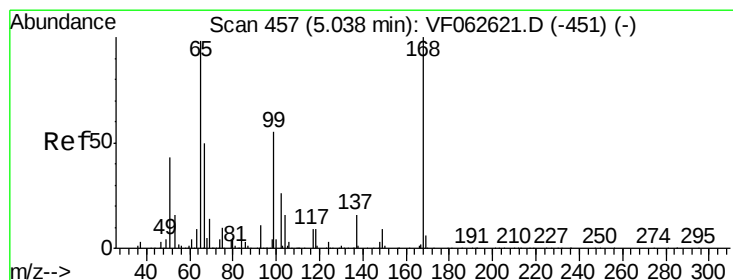
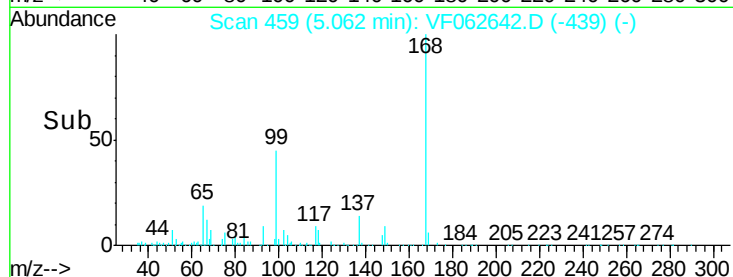
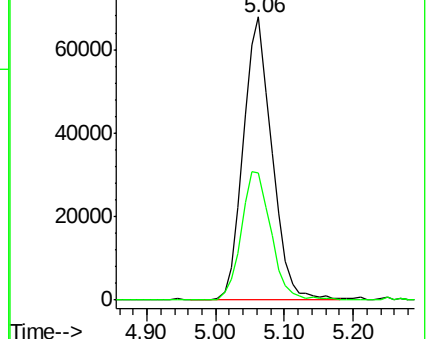
168 100

99 44.7 37.8 56.8



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: 53.619 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062642.D

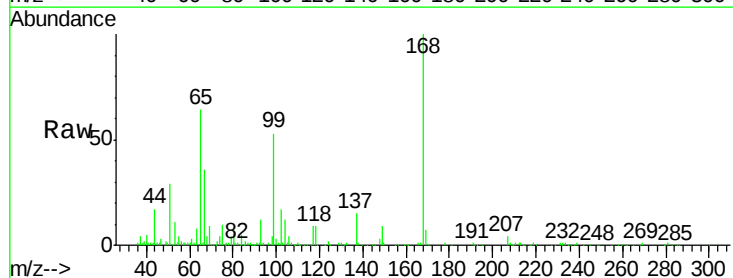
Acq: 17 May 2019 16:59

Tgt Ion: 65 Resp: 74404

Ion Ratio Lower Upper

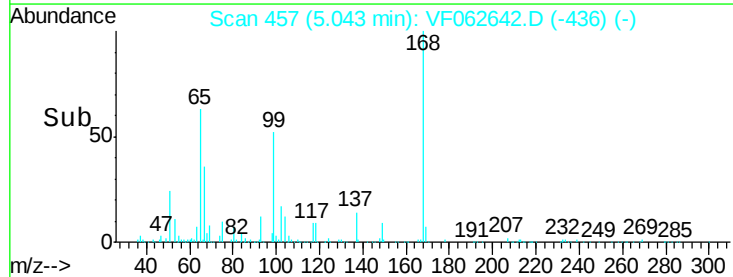
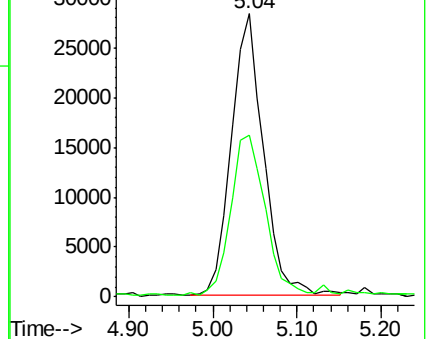
65 100

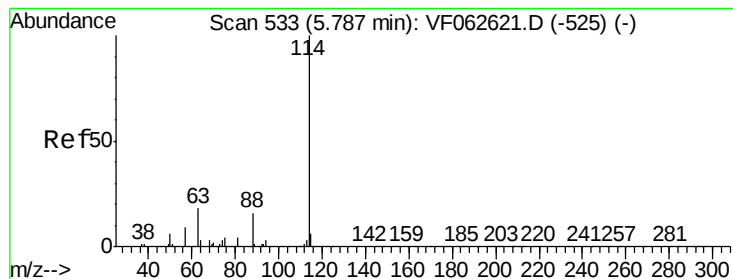
67 57.3 0.0 117.6



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: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampled :

SOIL-COMP

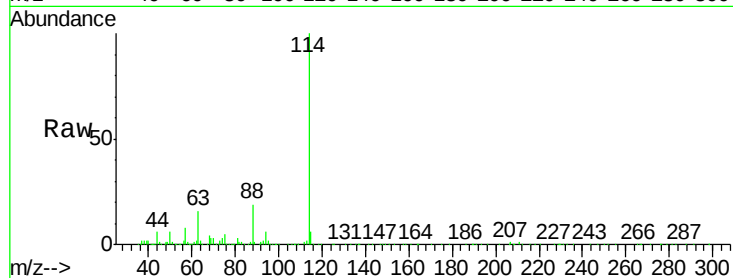
Tot Ion:114 Resp: 299320

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.4

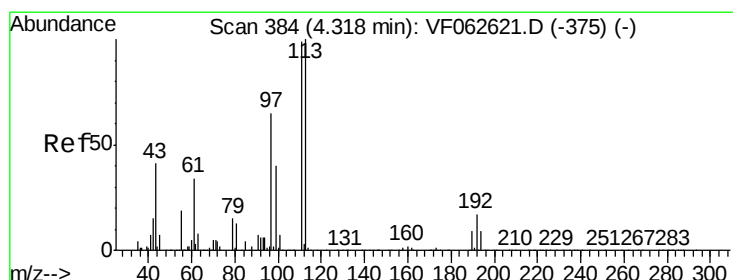
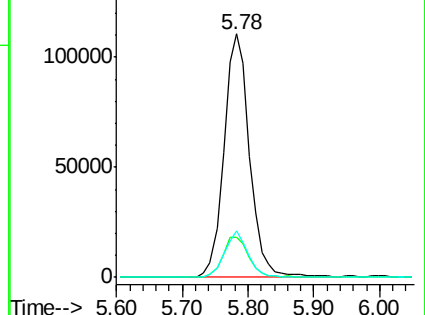
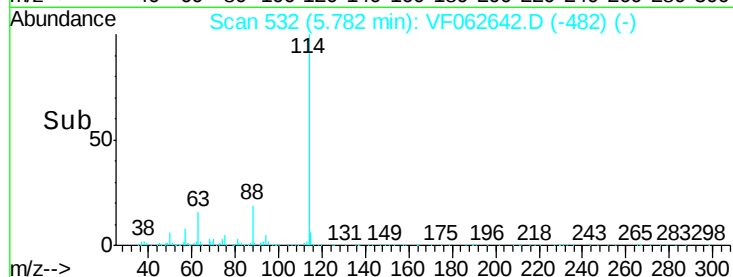
88 19.1 0.0 32.4



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: 64.586 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

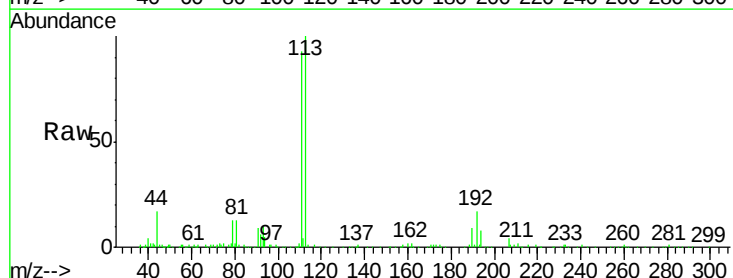
Tgt Ion:113 Resp: 147929

Ion Ratio Lower Upper

113 100

111 96.7 79.4 119.2

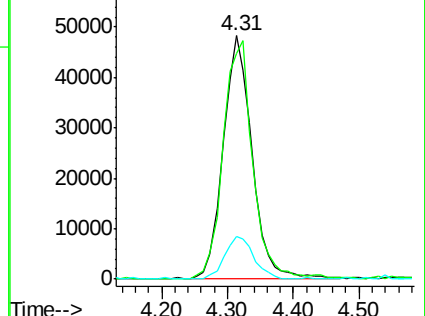
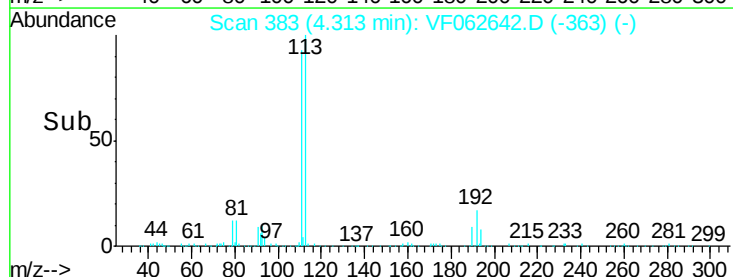
192 17.3 13.4 20.2

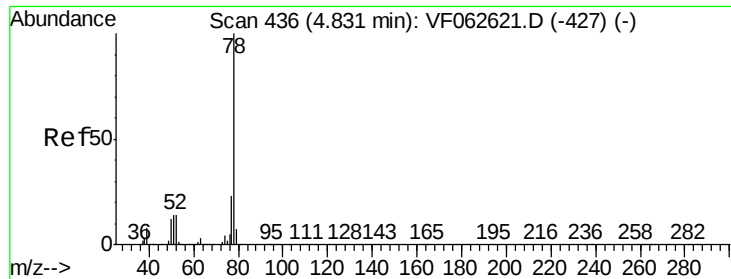


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 5.349 ug/l

RT: 4.84 min Scan# 436

Delta R.T. 0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

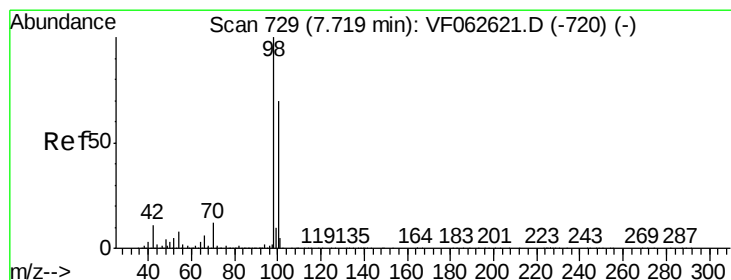
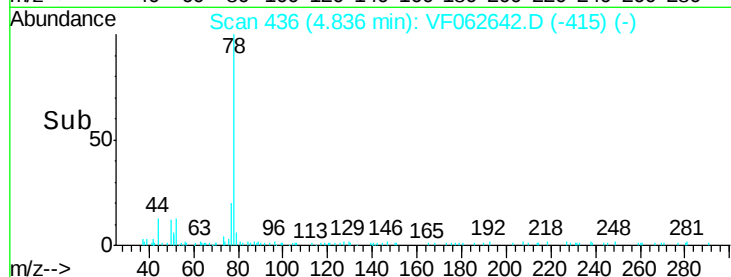
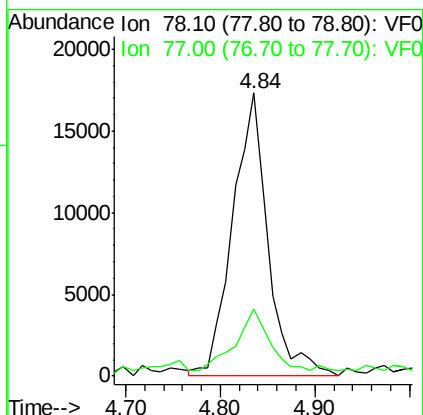
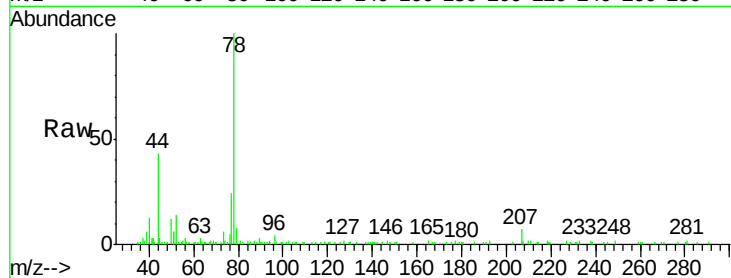
SOIL-COMP

Tot Ion: 78 Resp: 44692

Ion Ratio Lower Upper

78 100

77 23.9 18.2 27.2



#50

Toluene-d8

Concen: 21.124 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062642.D

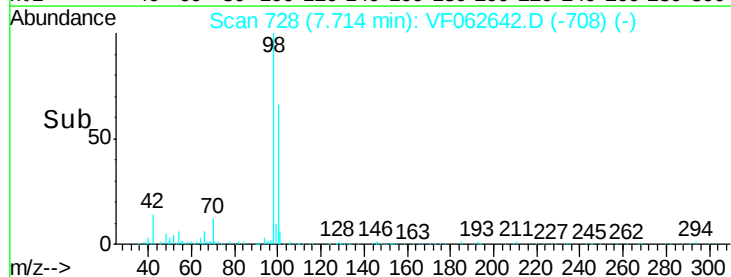
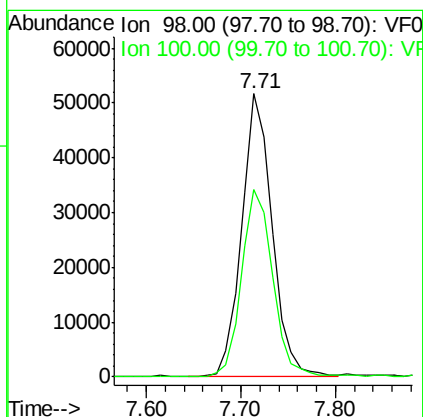
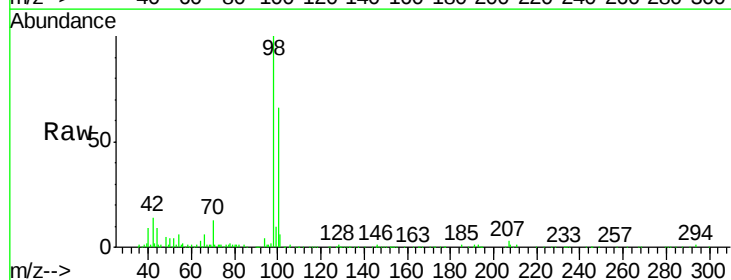
Acq: 17 May 2019 16:59

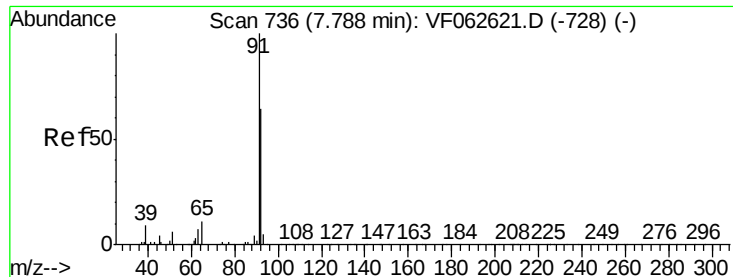
Tgt Ion: 98 Resp: 115518

Ion Ratio Lower Upper

98 100

100 66.2 56.2 84.2





#52

Toluene

Concen: 4.052 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampled :

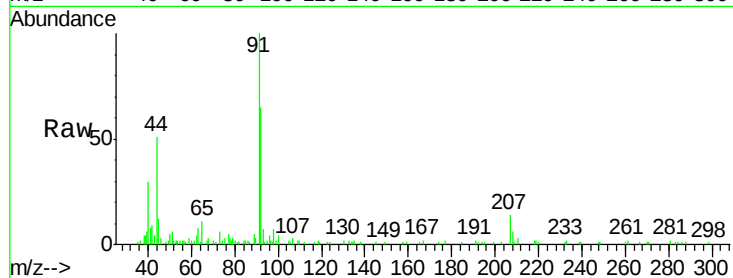
SOIL-COMP

Tot Ion: 92 Resp: 17756

Ion Ratio Lower Upper

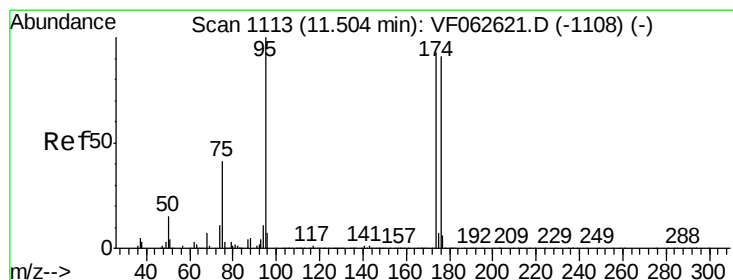
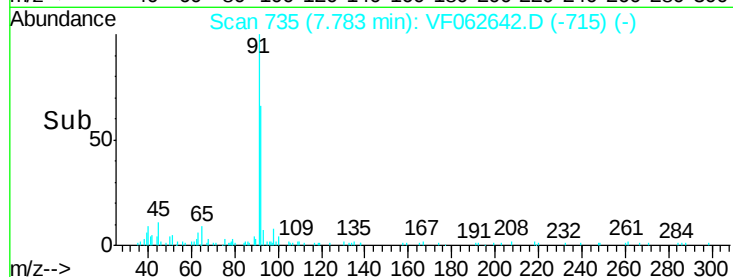
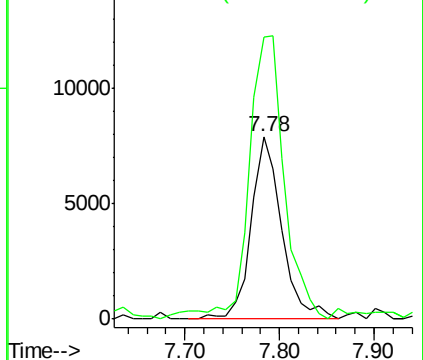
92 100

91 155.0 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 7.652 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

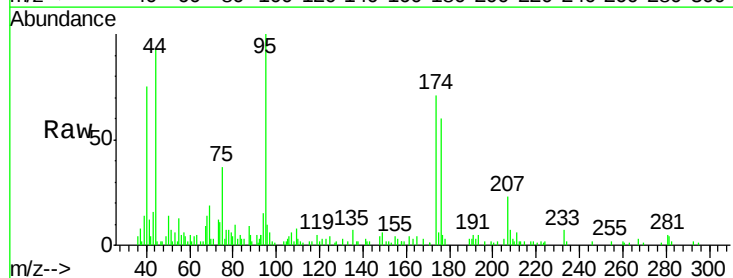
Tgt Ion: 95 Resp: 15871

Ion Ratio Lower Upper

95 100

174 71.0 0.0 185.6

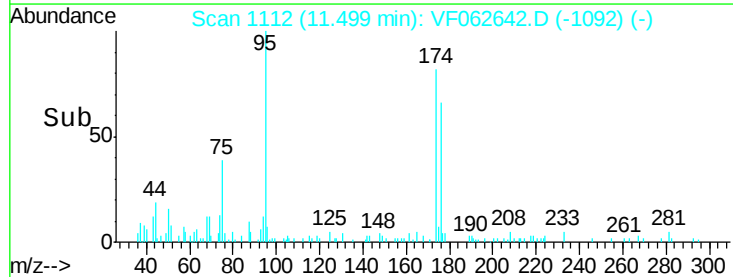
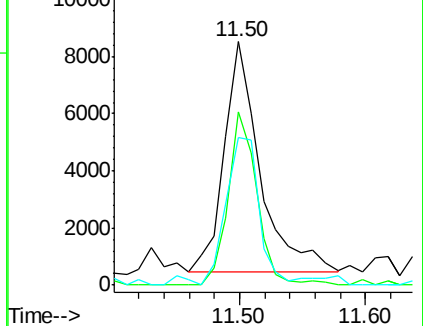
176 60.4 0.0 182.4

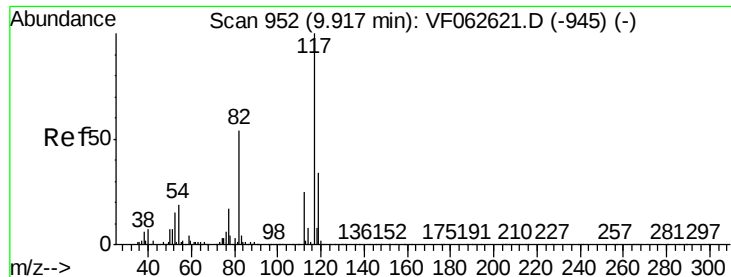


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

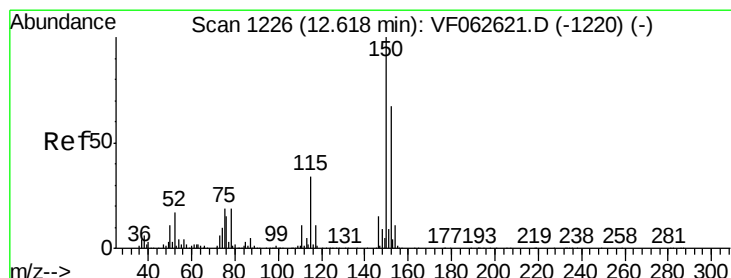
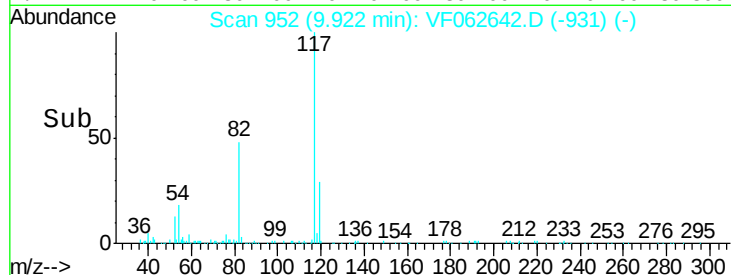
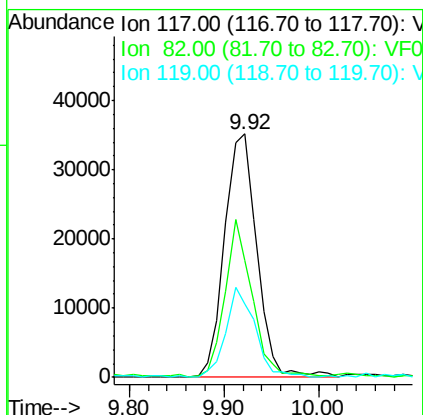
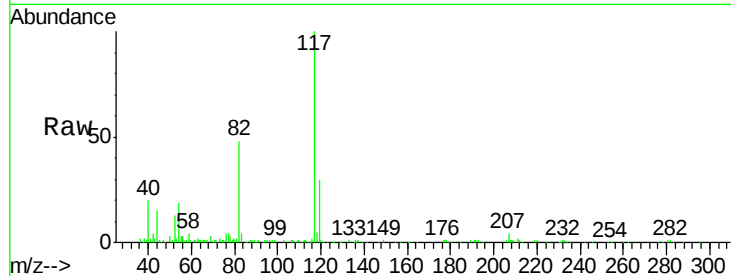




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

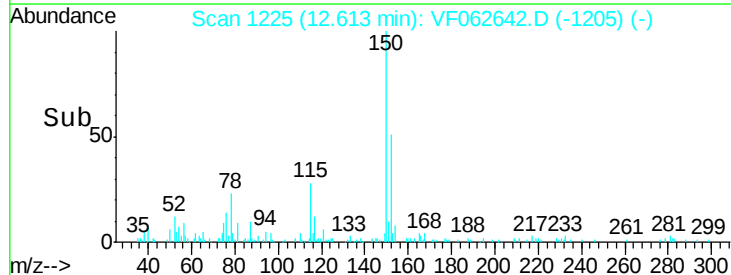
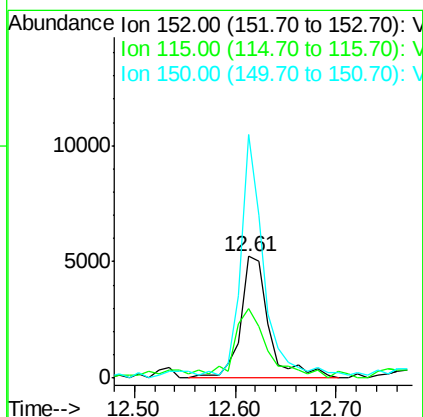
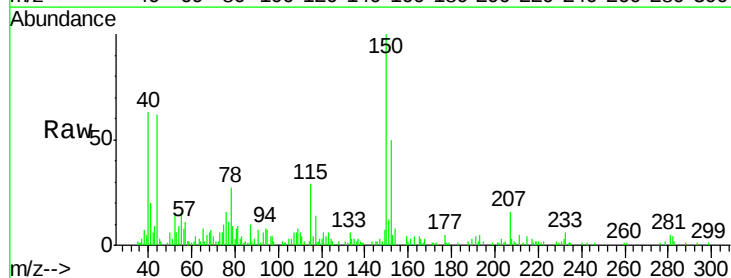
Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

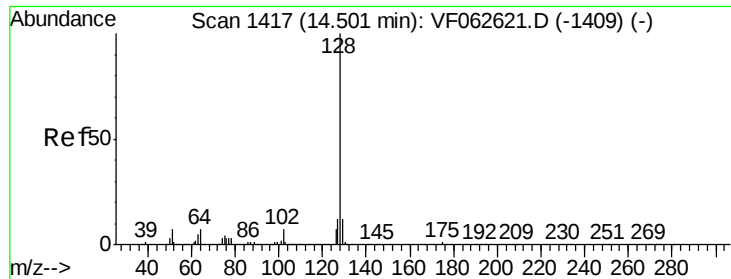
Tot Ion:117 Resp: 83681
Ion Ratio Lower Upper
117 100
82 48.2 43.3 64.9
119 30.3 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion:152 Resp: 10263
Ion Ratio Lower Upper
152 100
115 57.4 25.2 75.6
150 200.2 0.0 306.2





#95
Naphthalene
Concen: 32.970 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Instrument :
MSVOA_F
ClientSampleId :
SOIL-COMP

Tot Ion:128 Resp: 12642
Ion Ratio Lower Upper
128 100
127 9.6 9.7 14.5#
129 10.3 9.3 13.9

