

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061332.D
 Acq On : 10 Jan 2019 7:59
 Operator : VA/AP
 Sample : K1100-03
 Misc : 5.09g/5mL/MSVOA-F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM-B

Quant Time: Jan 10 11:37:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

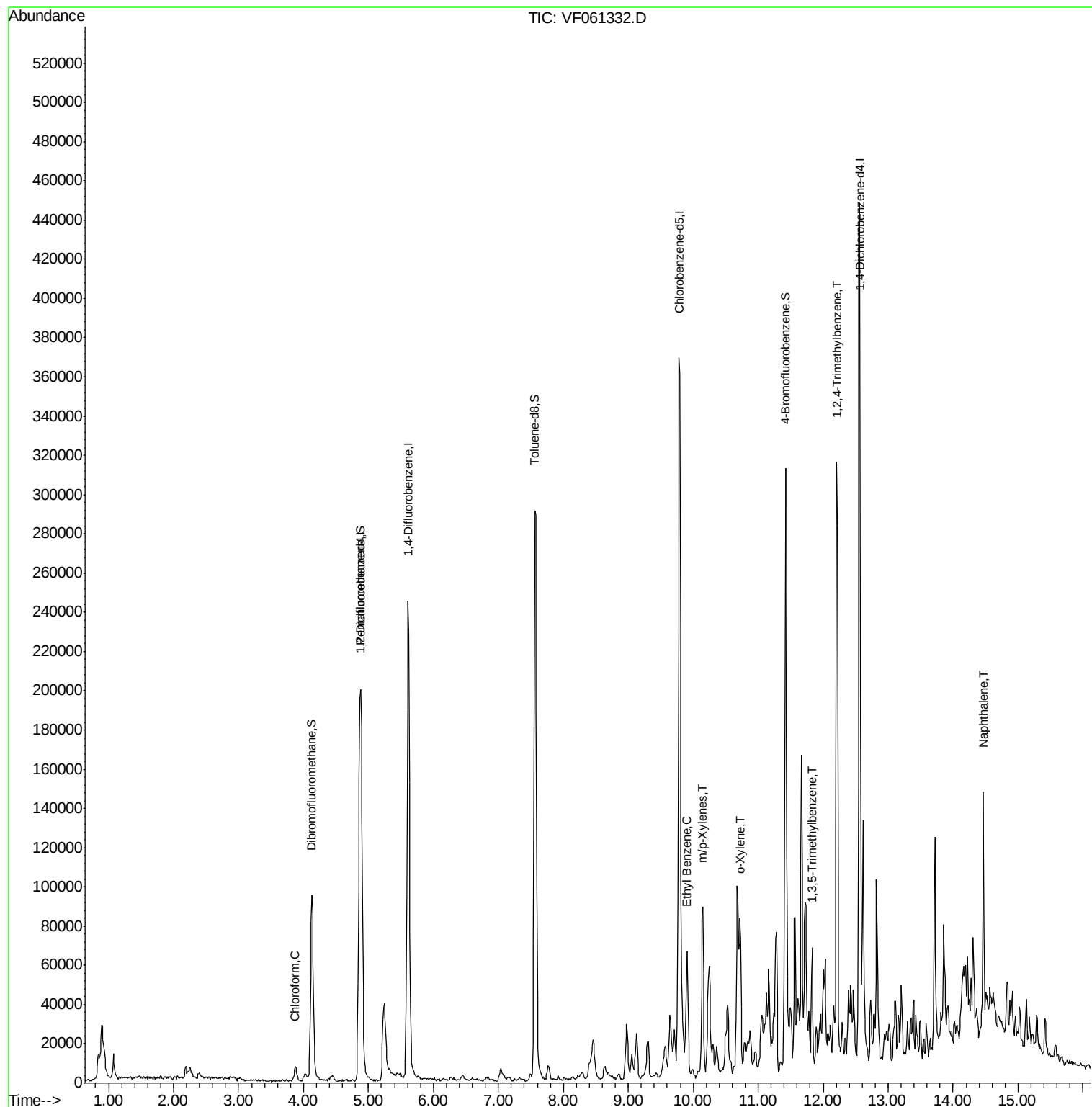
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	153949	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	262314	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	239142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	118138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	87475	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
35) Dibromofluoromethane	4.13	113	87589	43.64	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.28%	
50) Toluene-d8	7.57	98	249995	42.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.18%	
62) 4-Bromofluorobenzene	11.42	95	112822	43.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.00%	
Target Compounds						
					Qvalue	
30) Chloroform	3.87	83	8674	2.065	ug/l	92
67) Ethyl Benzene	9.91	91	16467	1.769	ug/l	95
68) m/p-Xylenes	10.15	106	30379	9.354	ug/l	95
69) o-Xylene	10.72	106	15105	4.163	ug/l	90
80) 1,3,5-Trimethylbenzene	11.83	105	19271	2.330	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	135498	16.499	ug/l	92
95) Naphthalene	14.47	128	17311	3.463	ug/l #	85

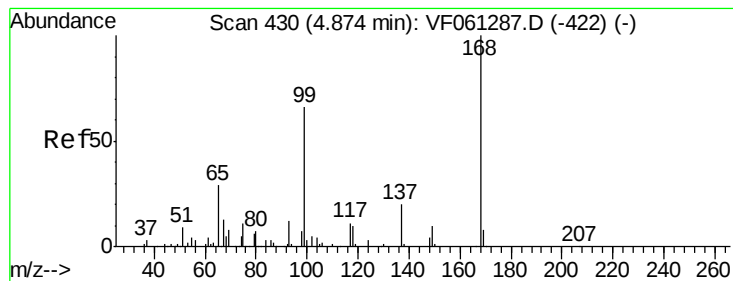
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010919\
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

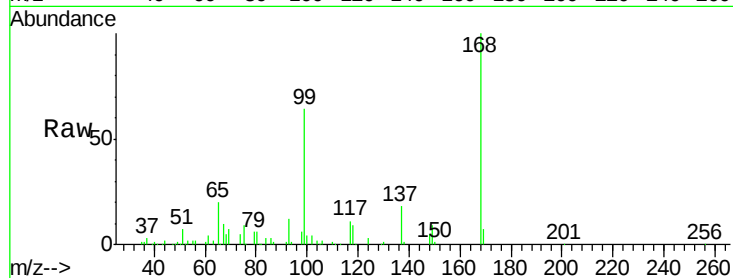
SOIL-DRUM-B

Tot Ion:168 Resp: 153949

Ion Ratio Lower Upper

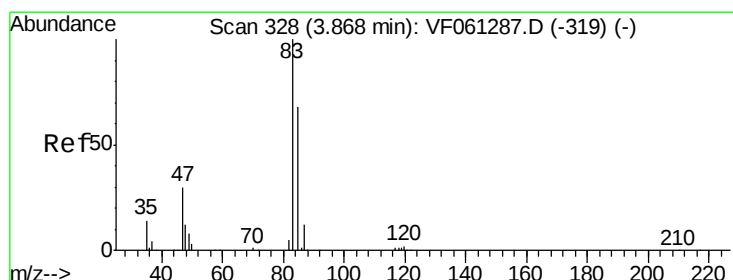
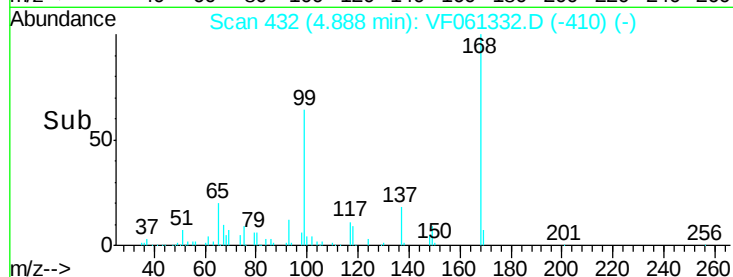
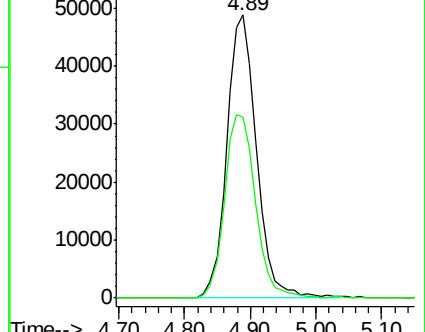
168 100

99 64.1 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#30

Chloroform

Concen: 2.065 ug/l

RT: 3.87 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF061332.D

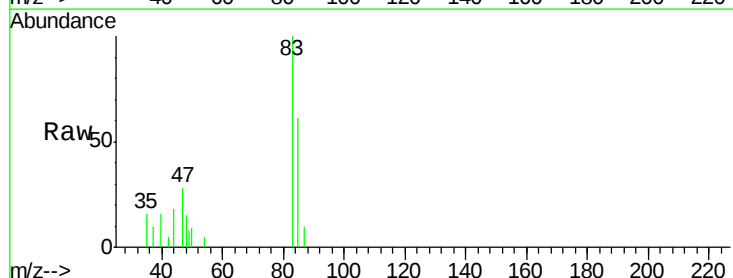
Acq: 10 Jan 2019 7:59

Tgt Ion: 83 Resp: 8674

Ion Ratio Lower Upper

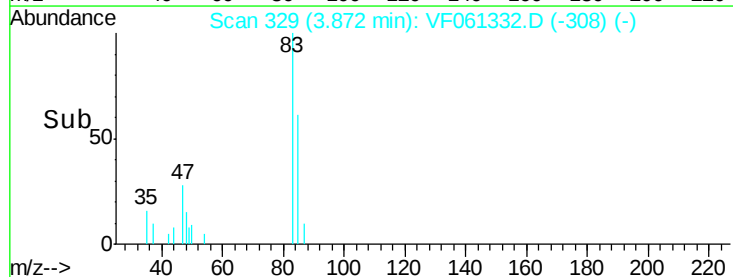
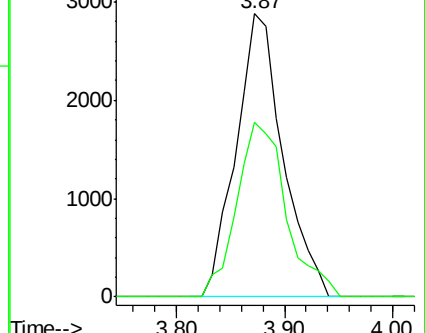
83 100

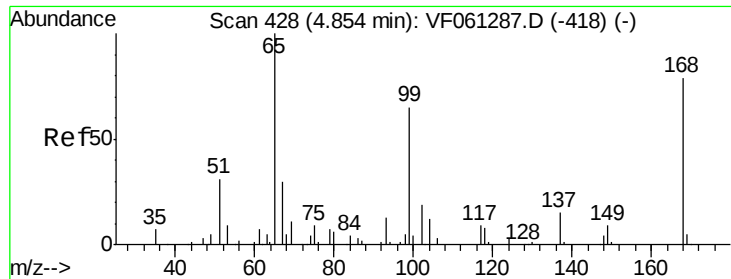
85 61.5 54.4 81.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.049 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

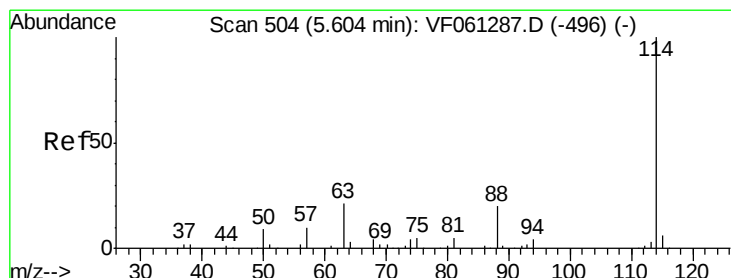
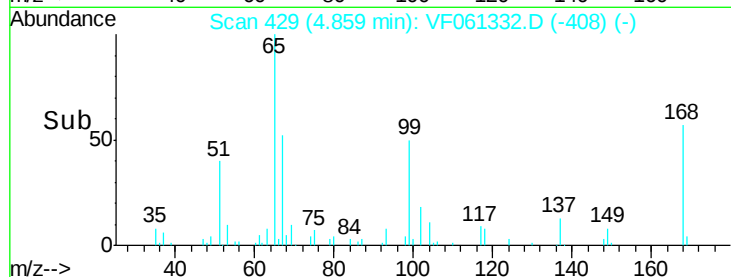
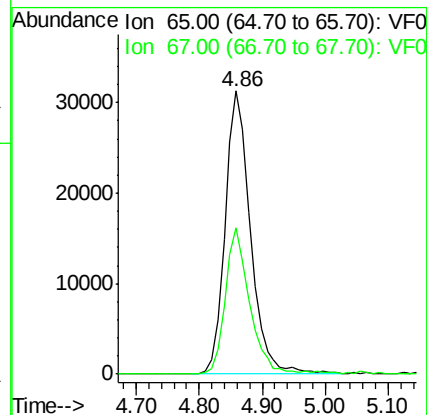
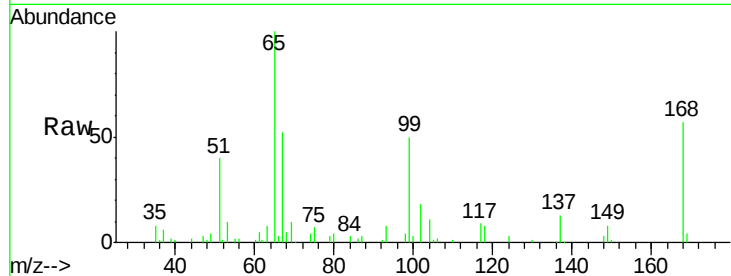
SOIL-DRUM-B

Tot Ion: 65 Resp: 87475

Ion Ratio Lower Upper

65 100

67 51.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

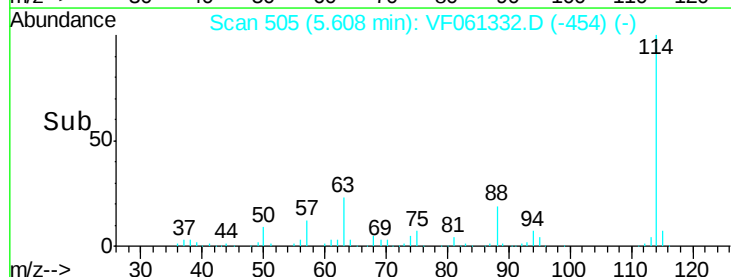
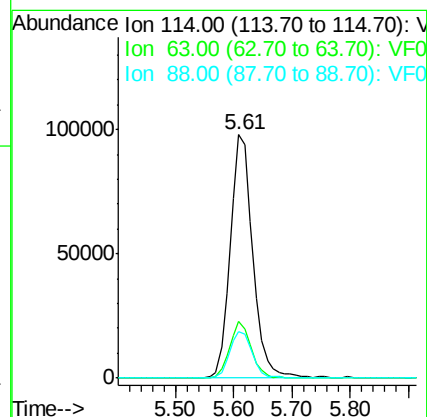
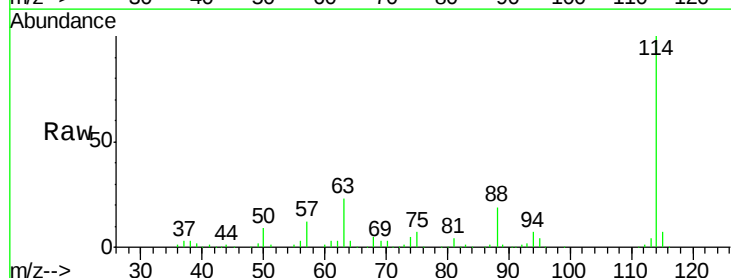
Tgt Ion: 114 Resp: 262314

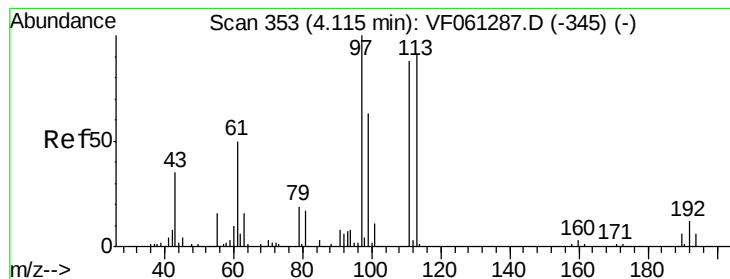
Ion Ratio Lower Upper

114 100

63 23.4 0.0 42.8

88 18.9 0.0 40.0





#35

Dibromofluoromethane

Concen: 43.639 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-B

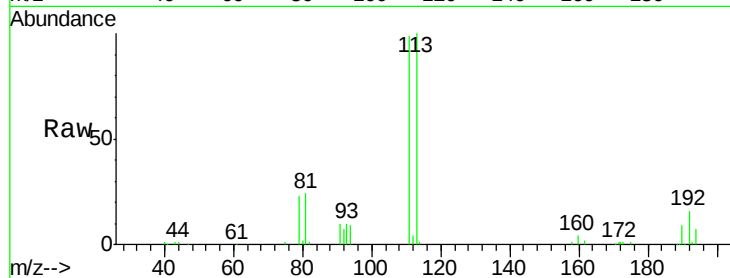
Tot Ion:113 Resp: 87589

Ion Ratio Lower Upper

113 100

111 99.3 78.0 117.0

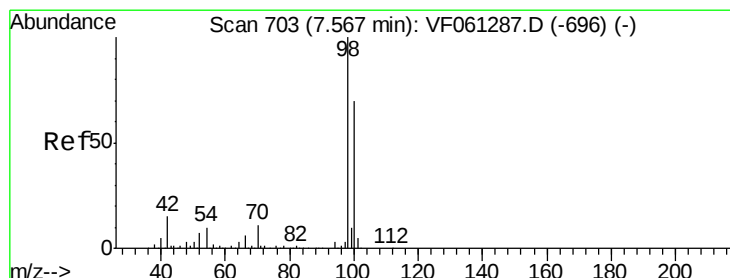
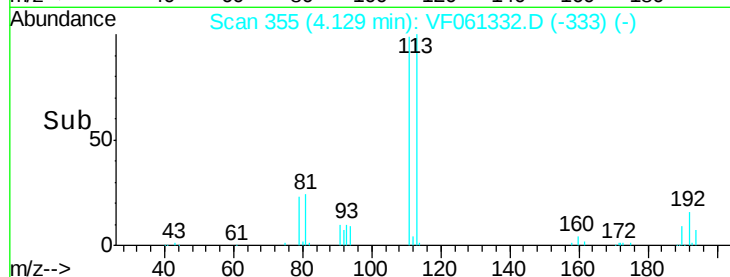
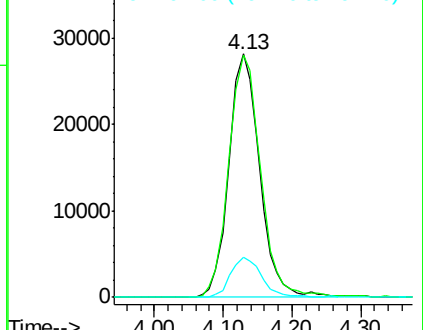
192 16.3 10.6 16.0#



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: 42.089 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF061332.D

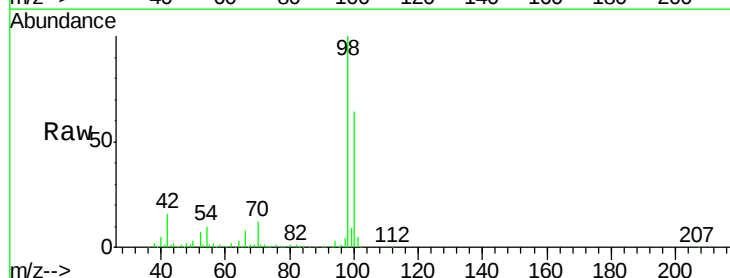
Acq: 10 Jan 2019 7:59

Tgt Ion: 98 Resp: 249995

Ion Ratio Lower Upper

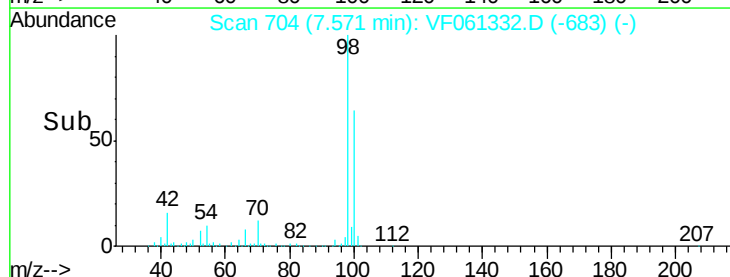
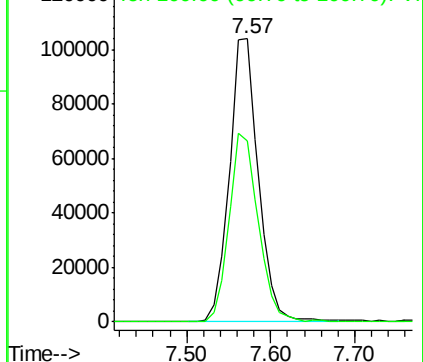
98 100

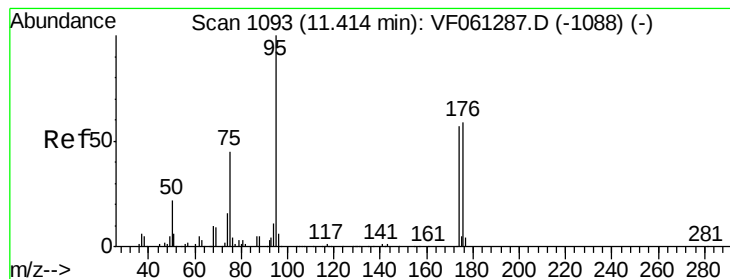
100 64.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 43.500 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-B

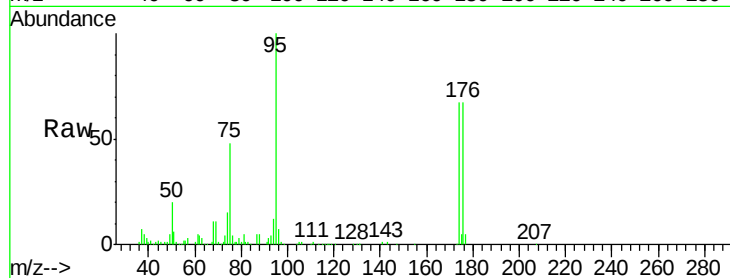
Tot Ion: 95 Resp: 112822

Ion Ratio Lower Upper

95 100

174 67.0 0.0 114.2

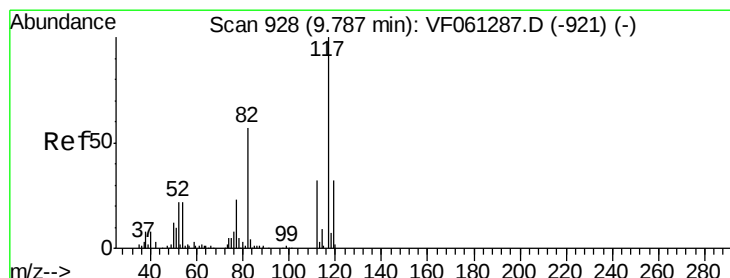
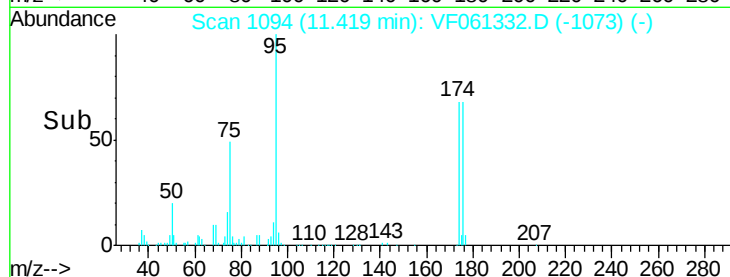
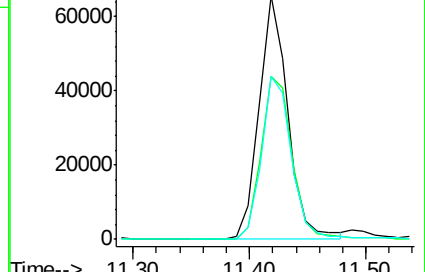
176 67.0 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF061287.D (-1088) (-)

Ion 174.00 (173.70 to 174.70): VF061287.D (-1088) (-)

Ion 176.00 (175.70 to 176.70): VF061287.D (-1088) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

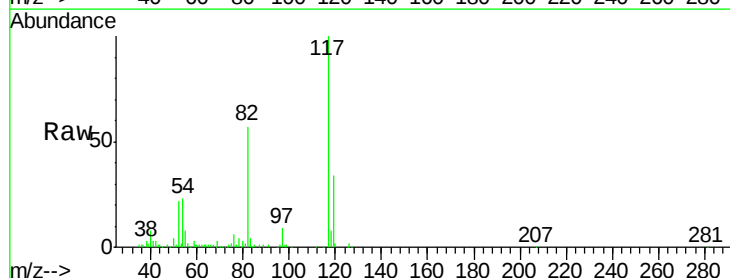
Tgt Ion: 117 Resp: 239142

Ion Ratio Lower Upper

117 100

82 57.1 45.3 67.9

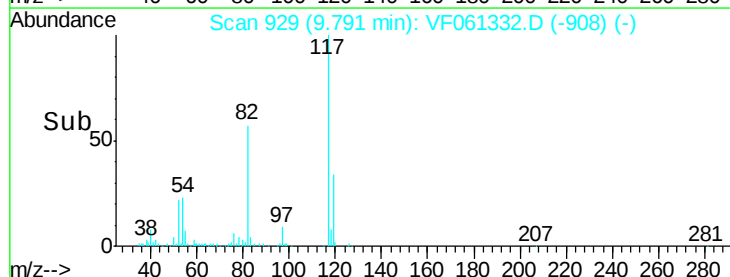
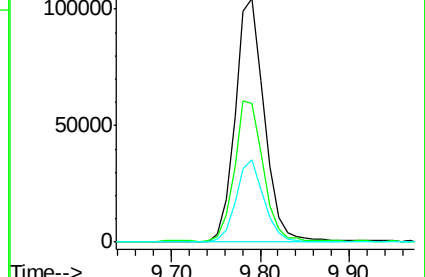
119 33.6 25.4 38.0

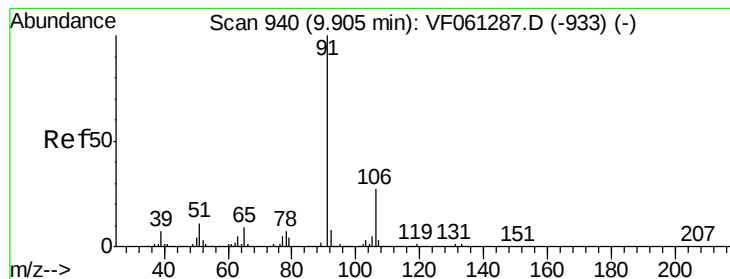


Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061287.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061287.D (-921) (-)





#67

Ethyl Benzene

Concen: 1.769 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

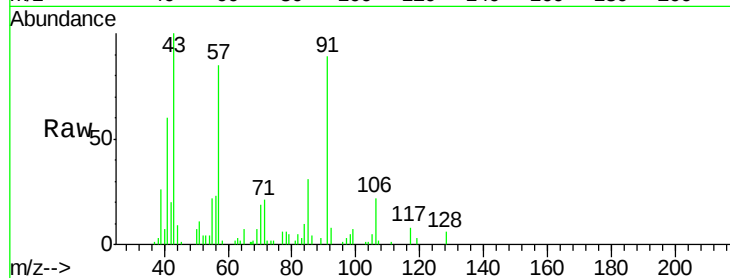
SOIL-DRUM-B

Tot Ion: 91 Resp: 16467

Ion Ratio Lower Upper

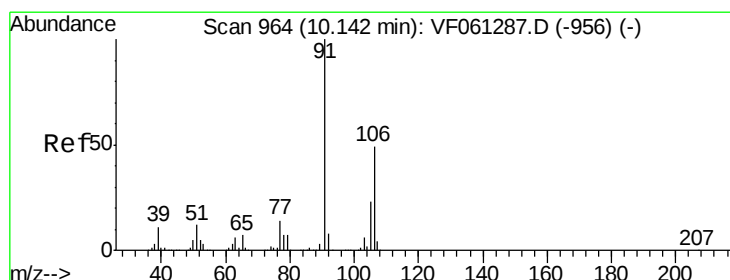
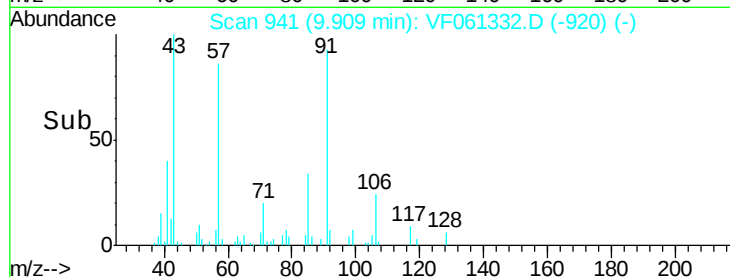
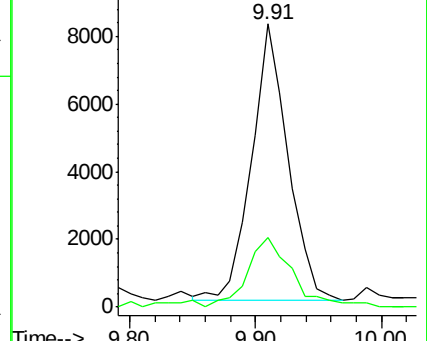
91 100

106 24.4 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.354 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF061332.D

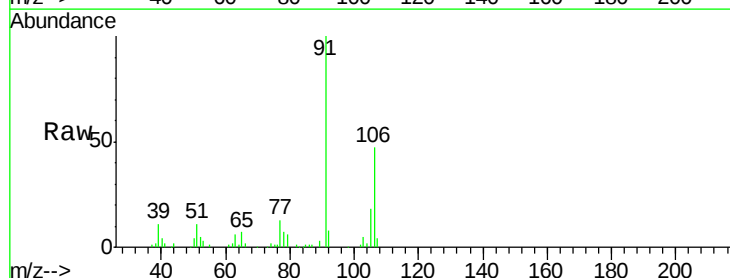
Acq: 10 Jan 2019 7:59

Tgt Ion: 106 Resp: 30379

Ion Ratio Lower Upper

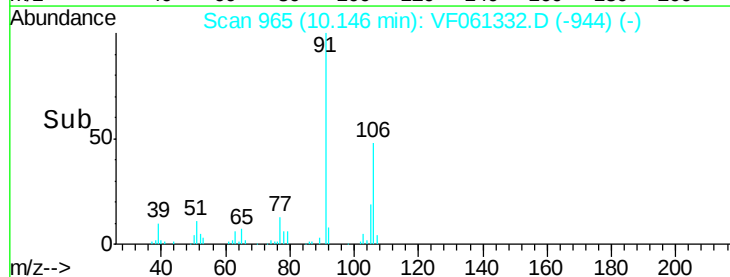
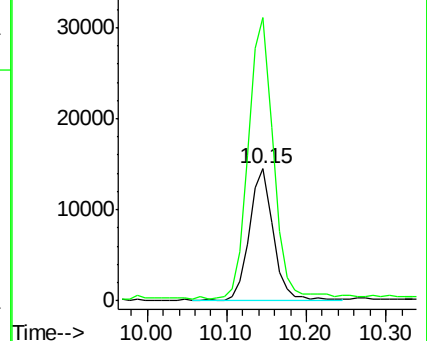
106 100

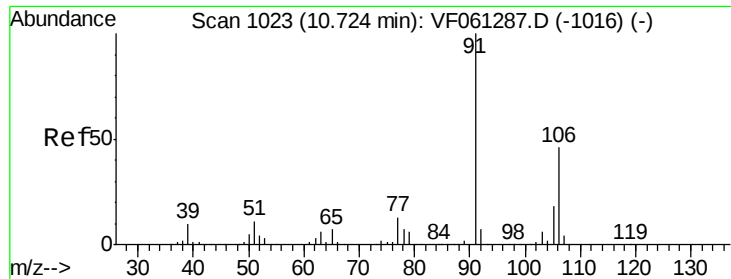
91 214.8 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

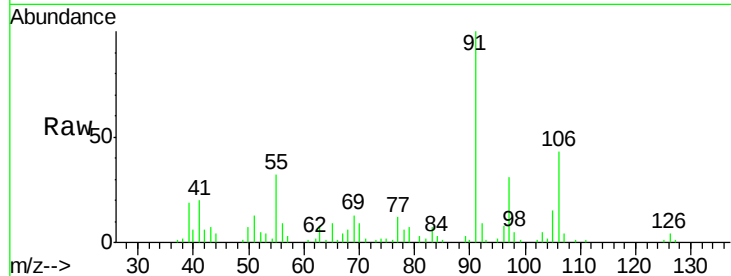




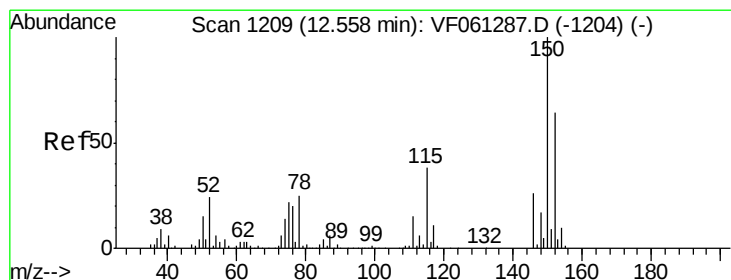
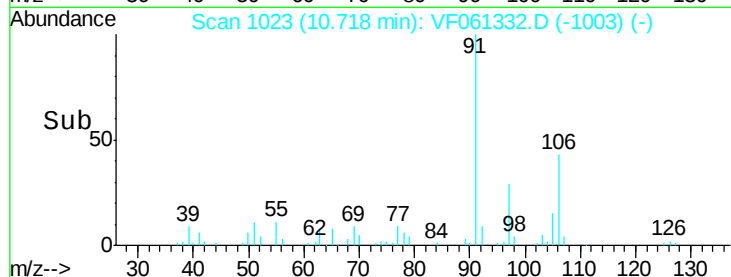
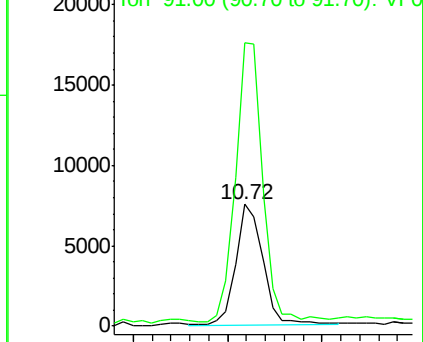
#69
o-Xylene
Concen: 4.163 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061332.D
Acq: 10 Jan 2019 7:59

Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM-B

Tot Ion:106 Resp: 15105
Ion Ratio Lower Upper
106 100
91 232.2 108.1 324.4

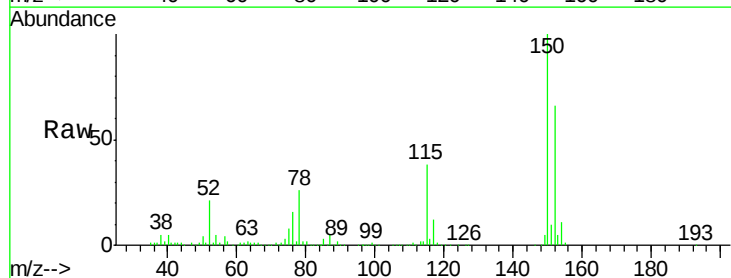


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

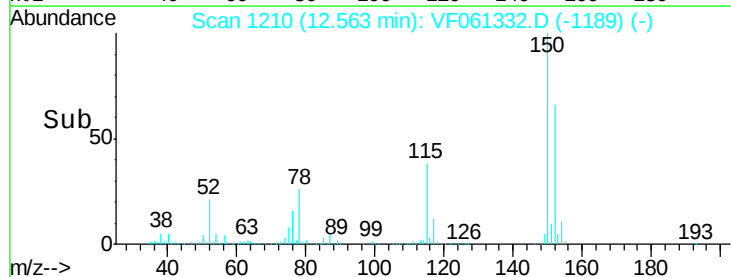
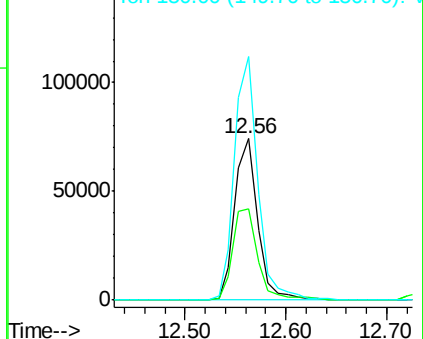


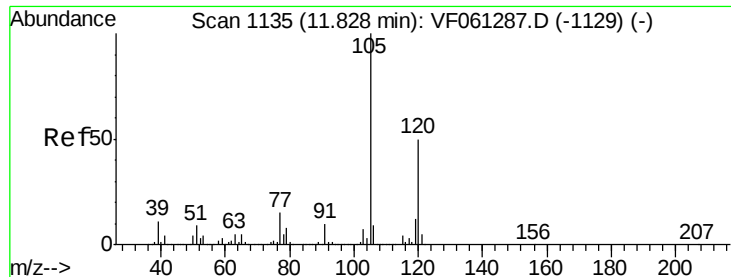
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061332.D
Acq: 10 Jan 2019 7:59

Tgt Ion:152 Resp: 118138
Ion Ratio Lower Upper
152 100
115 56.7 29.6 88.9
150 150.7 0.0 315.4



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





#80

1,3,5-Trimethylbenzene

Concen: 2.330 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

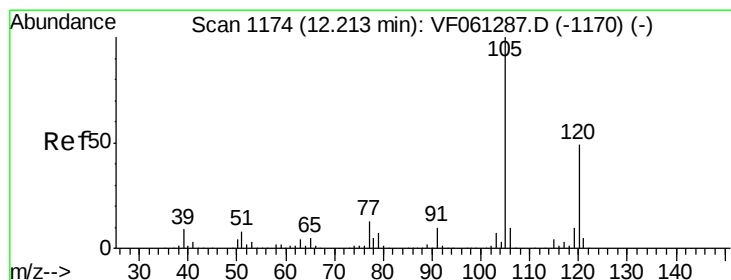
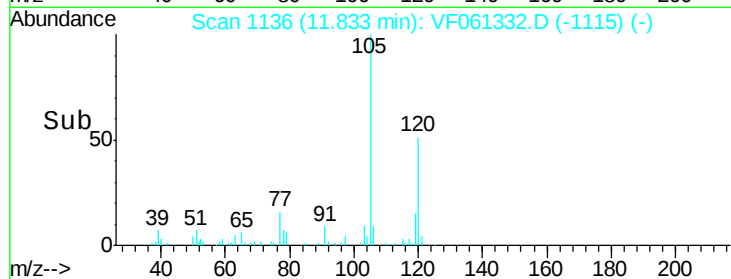
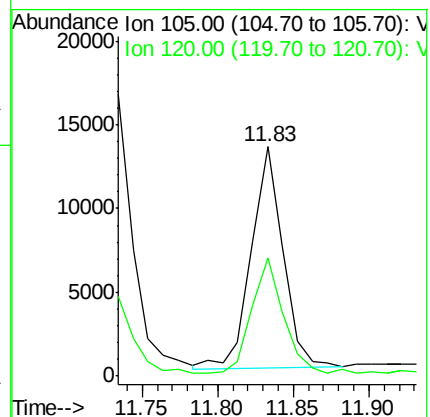
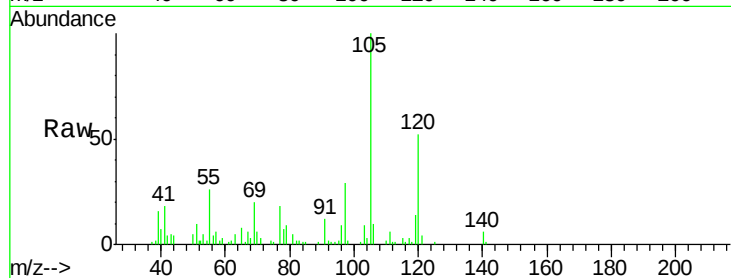
SOIL-DRUM-B

Tot Ion:105 Resp: 19271

Ion Ratio Lower Upper

105 100

120 51.6 25.2 75.6



#84

1,2,4-Trimethylbenzene

Concen: 16.499 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061332.D

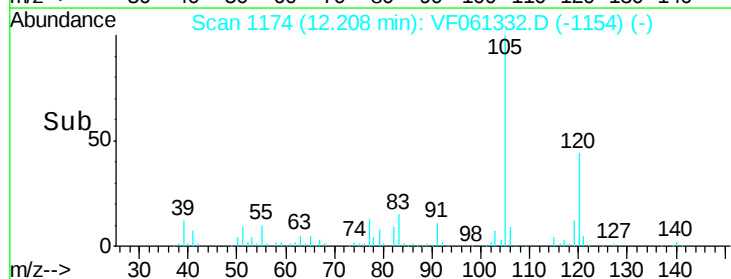
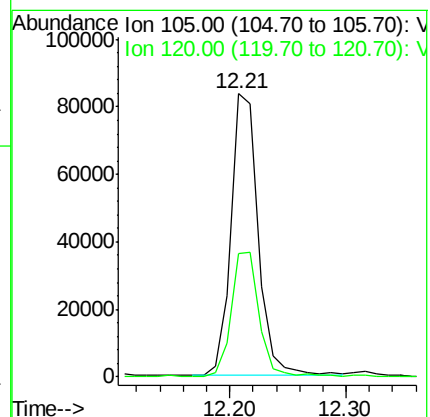
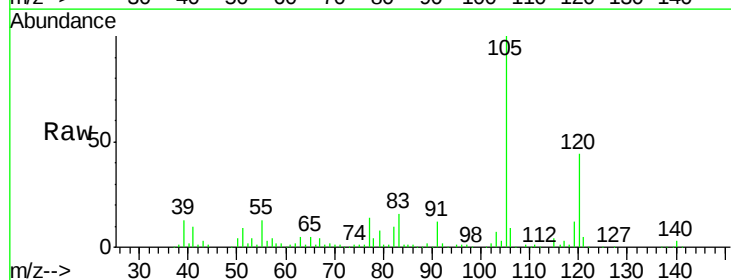
Acq: 10 Jan 2019 7:59

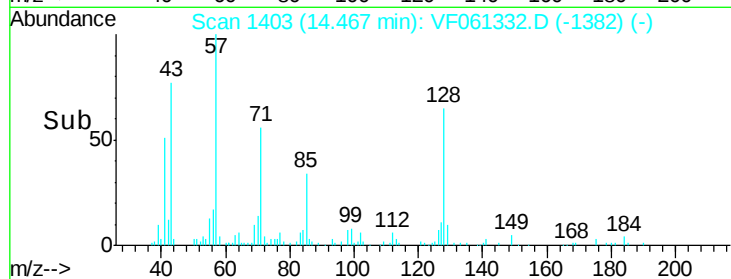
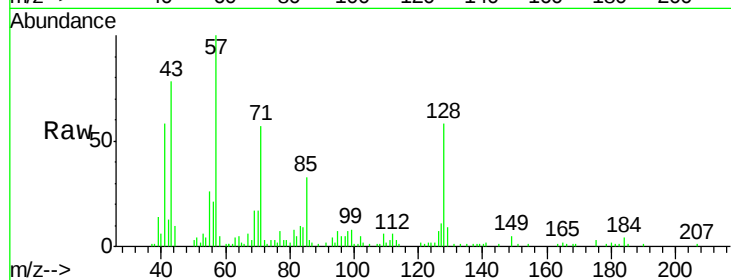
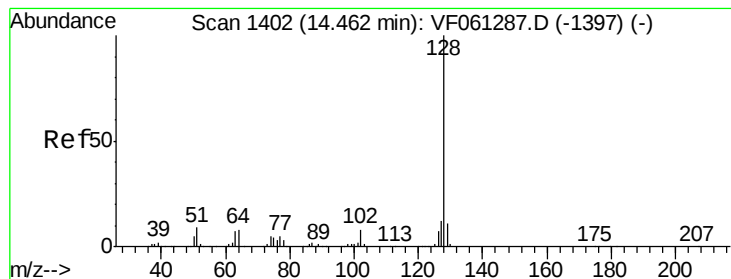
Tgt Ion:105 Resp: 135498

Ion Ratio Lower Upper

105 100

120 43.8 24.7 74.1





#95

Naphthalene

Concen: 3.463 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF061332.D

Acq: 10 Jan 2019 7:59

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-B

Tot Ion:128 Resp: 17311

Ion Ratio Lower Upper

128 100

127 18.3 9.4 14.0#

129 16.0 8.8 13.2#

