

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061333.D
 Acq On : 10 Jan 2019 8:27
 Operator : VA/AP
 Sample : K1100-05
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM-C

Quant Time: Jan 10 11:48:56 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

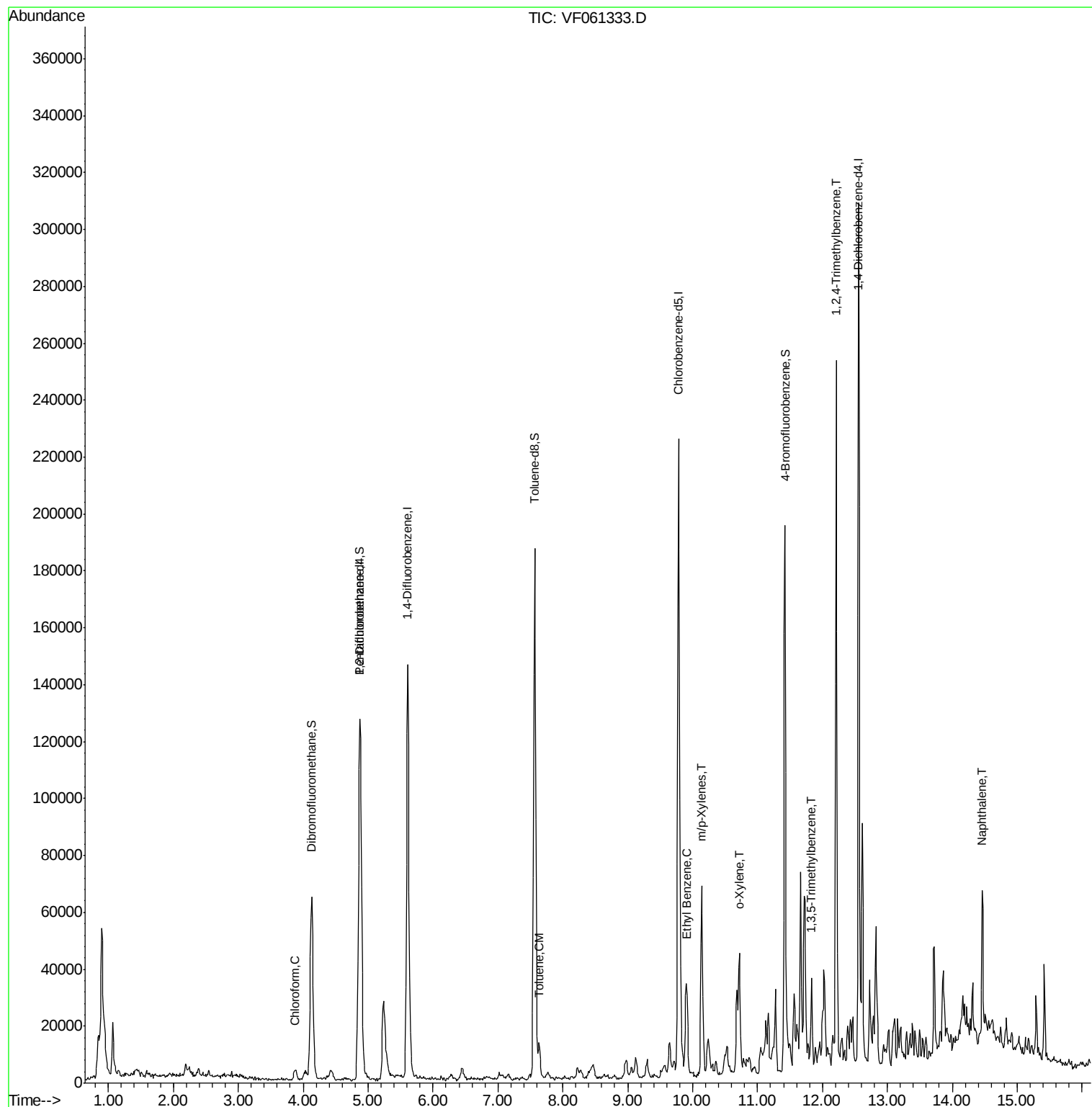
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	91560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	156708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	152283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	74897	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	59100	57.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.98%	
35) Dibromofluoromethane	4.13	113	58546	48.83	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.66%	
50) Toluene-d8	7.57	98	155577	43.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.68%	
62) 4-Bromofluorobenzene	11.42	95	76904	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
Target Compounds						
					Qvalue	
30) Chloroform	3.89	83	4217	1.688	ug/l #	74
52) Toluene	7.63	92	5693	2.073	ug/l	77
67) Ethyl Benzene	9.91	91	14370	2.424	ug/l #	83
68) m/p-Xylenes	10.14	106	22280	10.773	ug/l	77
69) o-Xylene	10.72	106	11808	5.111	ug/l	96
80) 1,3,5-Trimethylbenzene	11.84	105	15775	3.008	ug/l	93
84) 1,2,4-Trimethylbenzene	12.21	105	112239	21.557	ug/l	95
95) Naphthalene	14.46	128	26324	8.306	ug/l	98

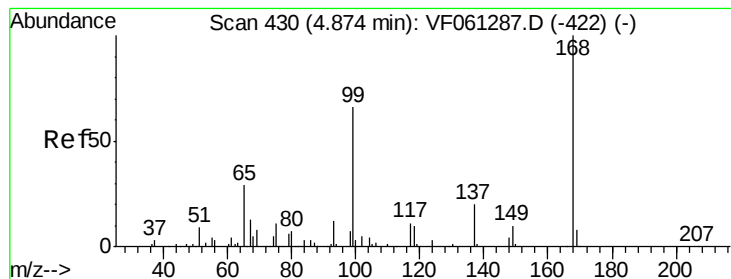
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010919\
Data File : VF061333.D
Acq On : 10 Jan 2019 8:27
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Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM-C

Quant Time: Jan 10 11:48:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
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: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

Instrument :

MSVOA_F

ClientSampleId :

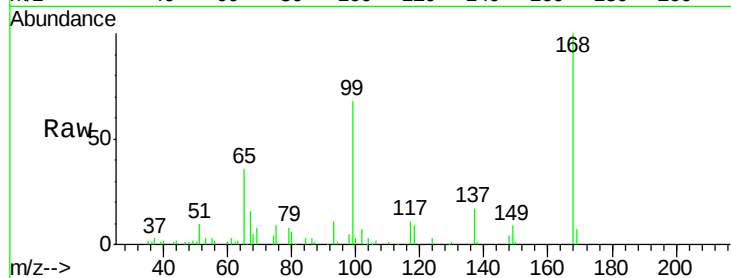
SOIL-DRUM-C

Tot Ion:168 Resp: 91560

Ion Ratio Lower Upper

168 100

99 67.8 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

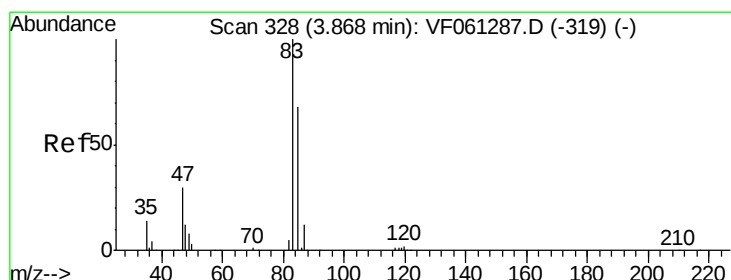
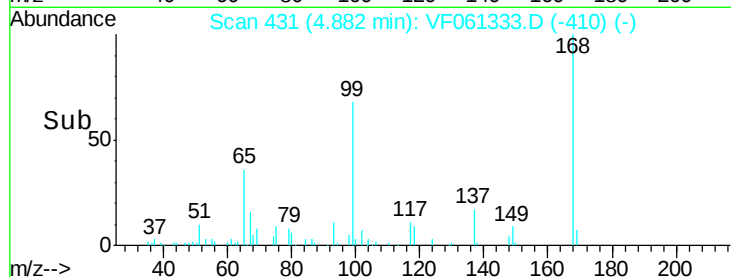
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#30

Chloroform

Concen: 1.688 ug/l

RT: 3.89 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF061333.D

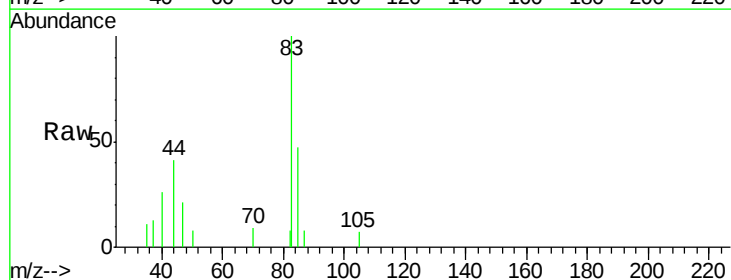
Acq: 10 Jan 2019 8:27

Tgt Ion: 83 Resp: 4217

Ion Ratio Lower Upper

83 100

85 47.1 54.4 81.6#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

3.89

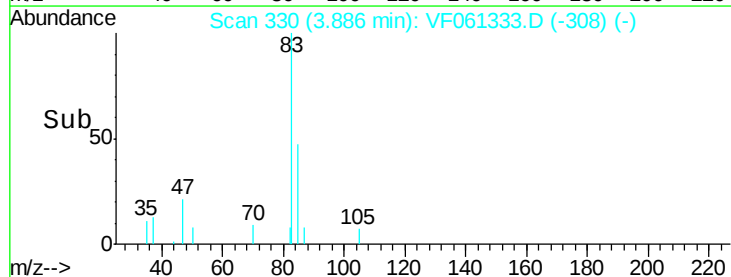
1500

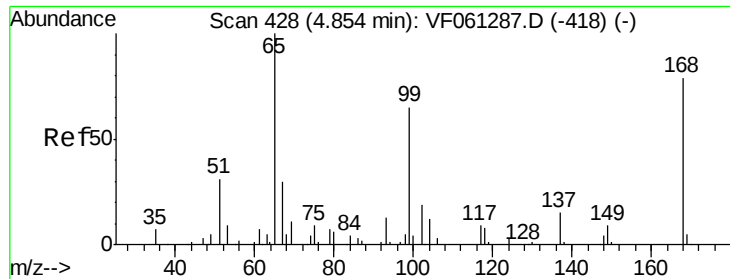
1000

500

0

Time--> 3.80 3.85 3.90 3.95





#33

1,2-Dichloroethane-d4

Concen: 57.991 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

Instrument :

MSVOA_F

ClientSampleId :

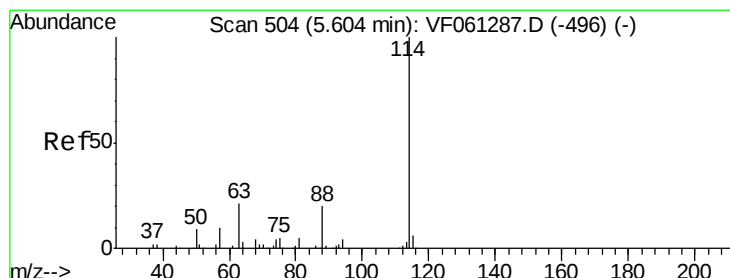
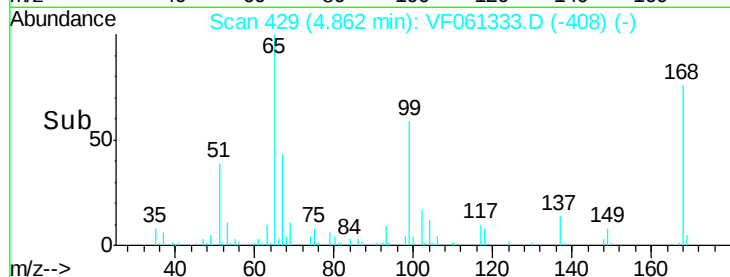
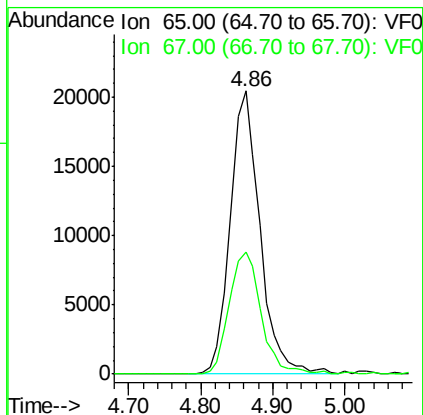
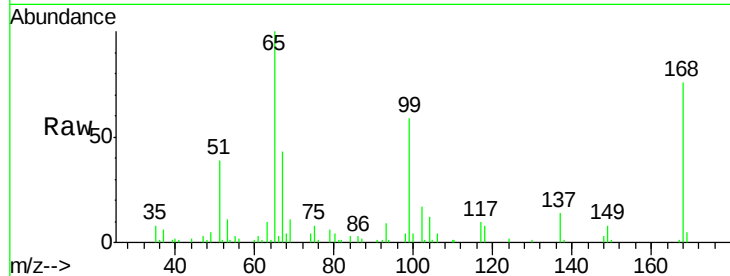
SOIL-DRUM-C

Tot Ion: 65 Resp: 59100

Ion Ratio Lower Upper

65 100

67 43.2 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

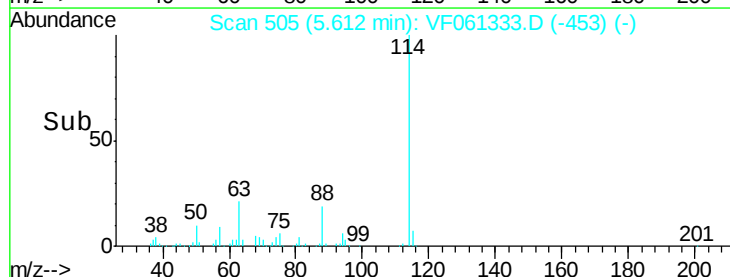
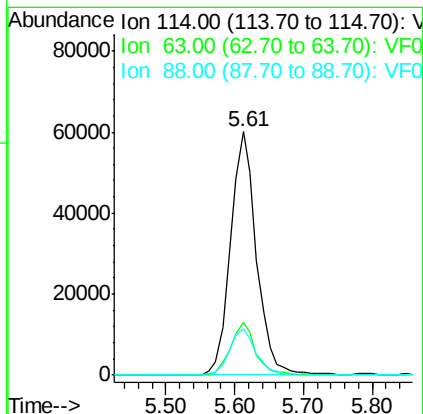
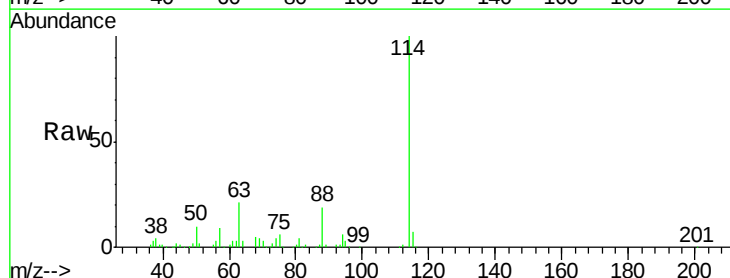
Tgt Ion: 114 Resp: 156708

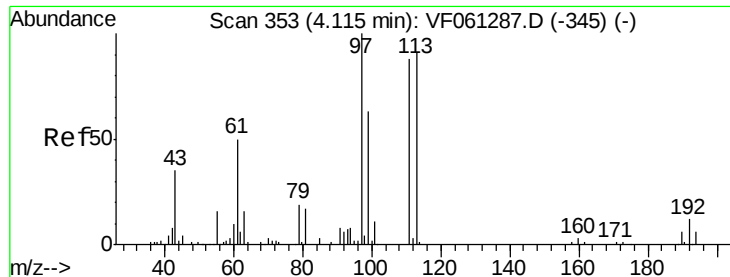
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

88 19.2 0.0 40.0





#35

Dibromofluoromethane

Concen: 48.826 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-C

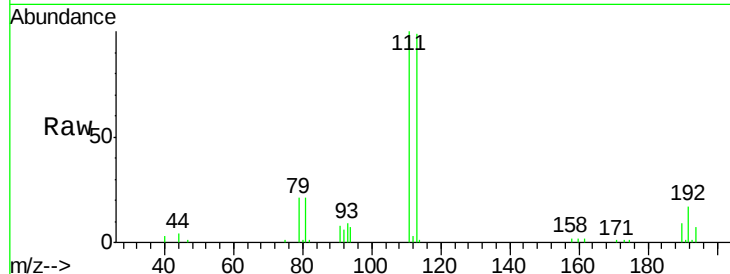
Tot Ion:113 Resp: 58546

Ion Ratio Lower Upper

113 100

111 101.5 78.0 117.0

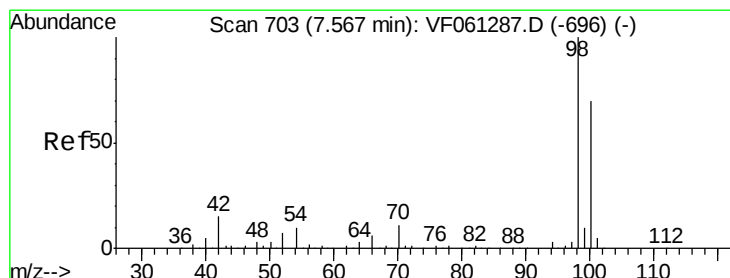
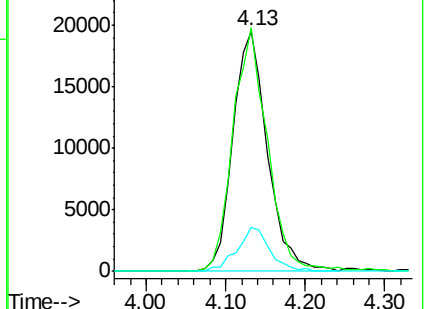
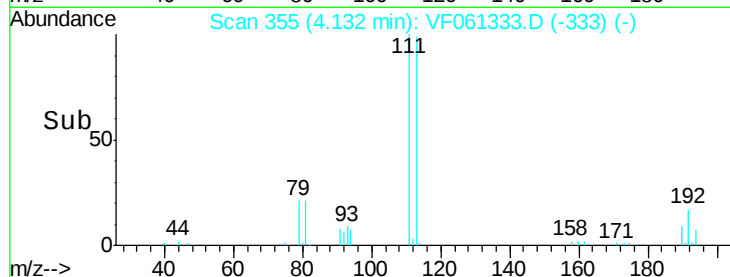
192 18.3 10.6 16.0#



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: 43.845 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF061333.D

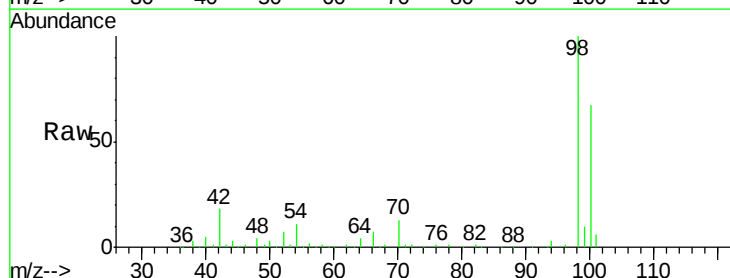
Acq: 10 Jan 2019 8:27

Tgt Ion: 98 Resp: 155577

Ion Ratio Lower Upper

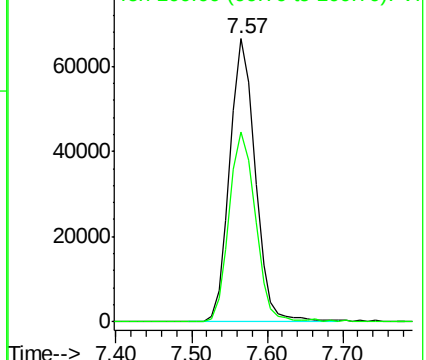
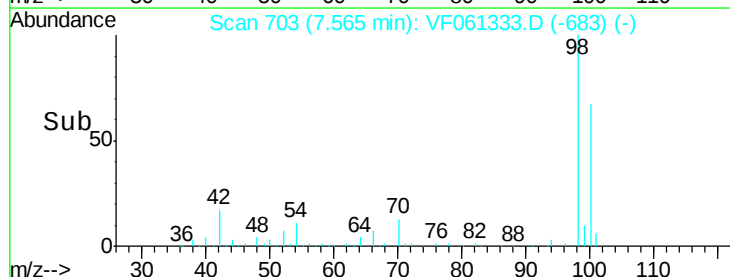
98 100

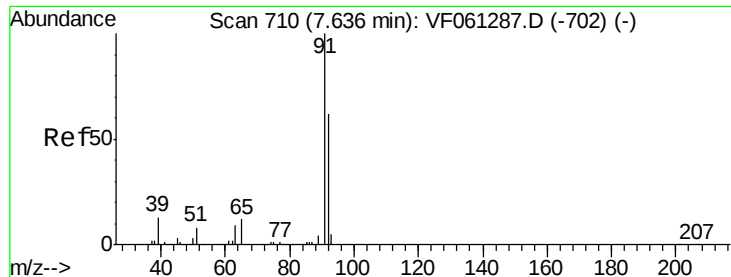
100 66.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 2.073 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

Instrument :

MSVOA_F

ClientSampleId :

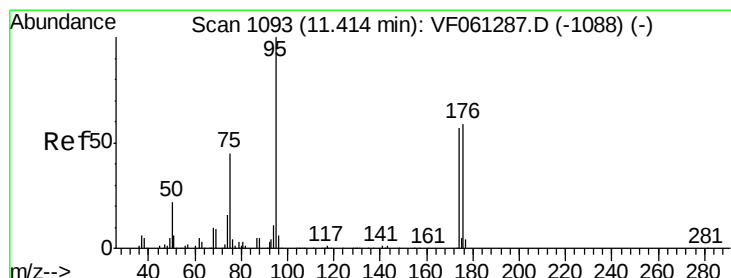
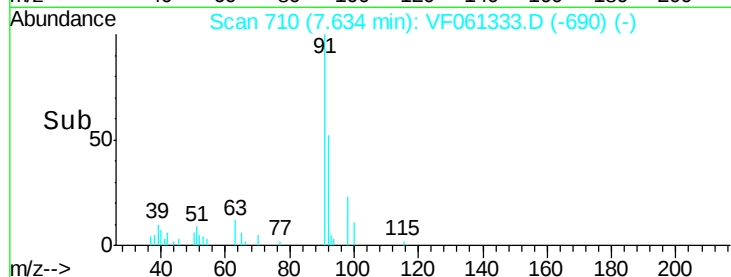
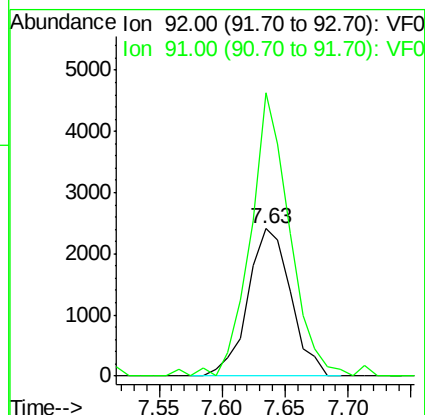
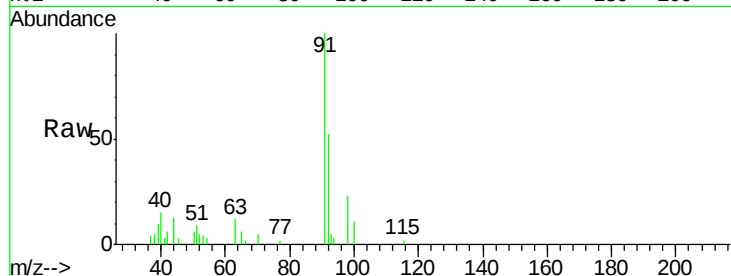
SOIL-DRUM-C

Tot Ion: 92 Resp: 5693

Ion Ratio Lower Upper

92 100

91 191.8 129.2 193.8



#62

4-Bromofluorobenzene

Concen: 49.634 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

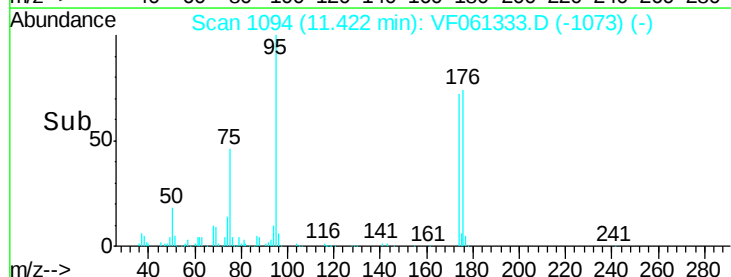
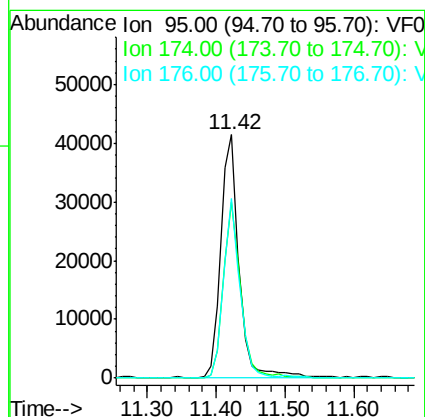
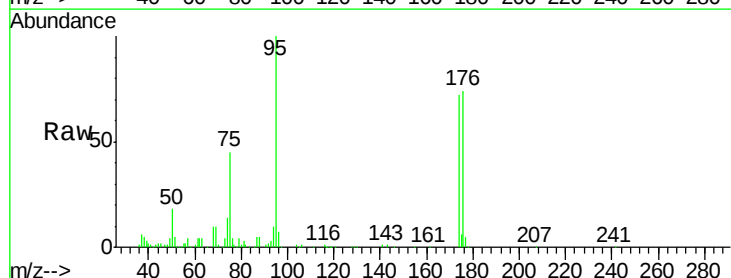
Tgt Ion: 95 Resp: 76904

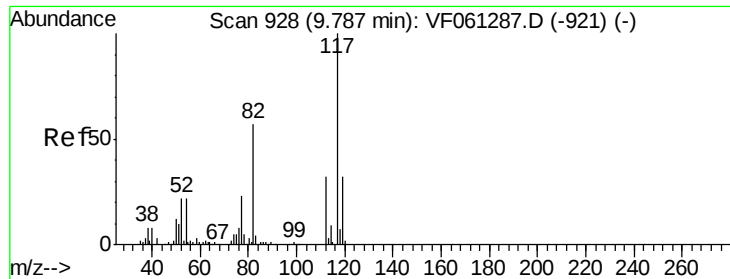
Ion Ratio Lower Upper

95 100

174 72.0 0.0 114.2

176 73.6 0.0 117.8

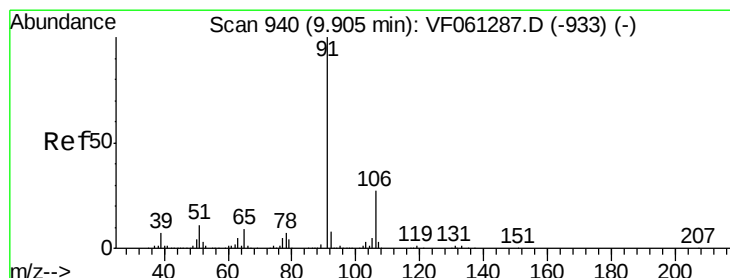
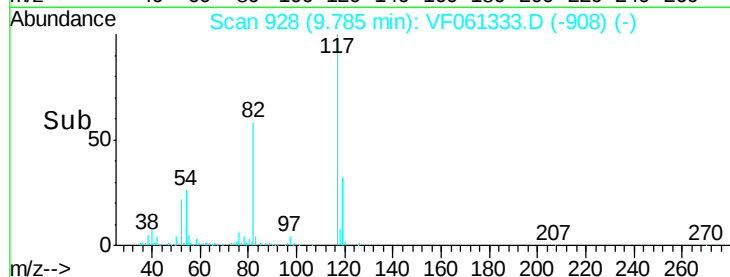
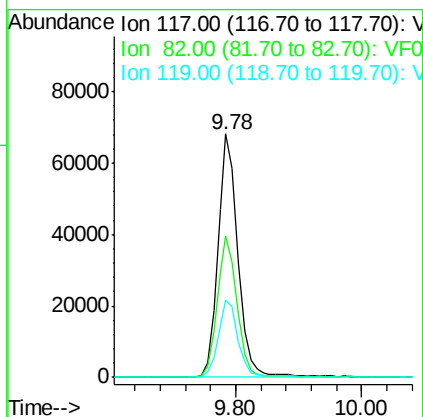
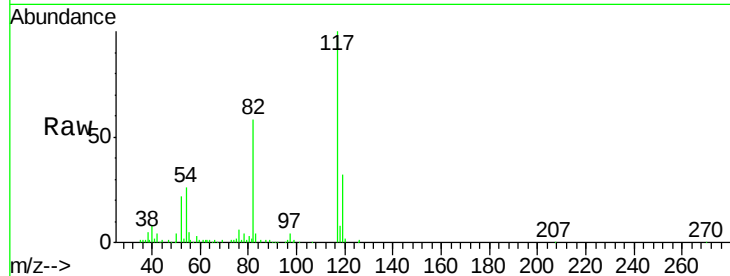




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061333.D
Acq: 10 Jan 2019 8:27

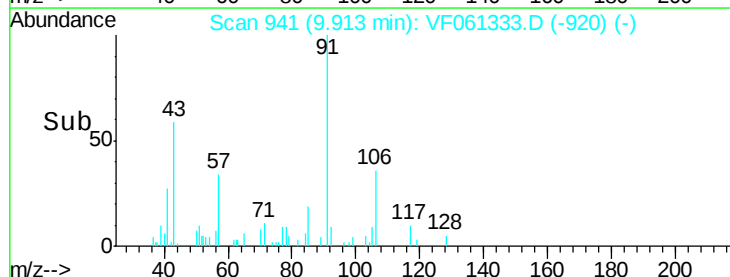
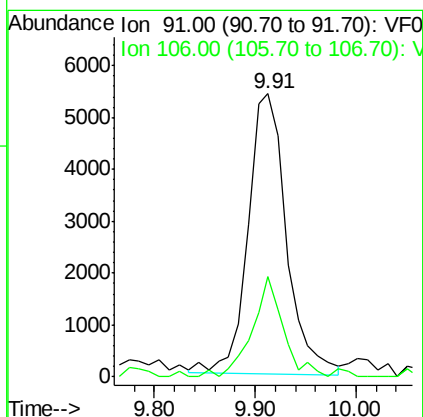
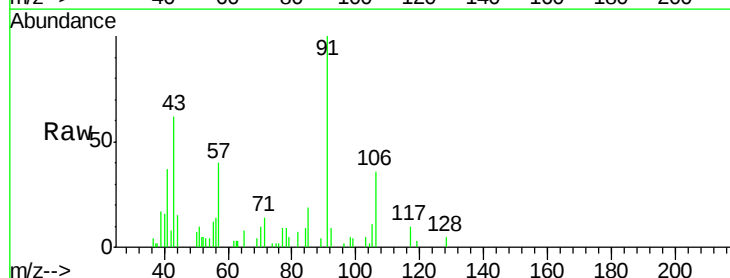
Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM-C

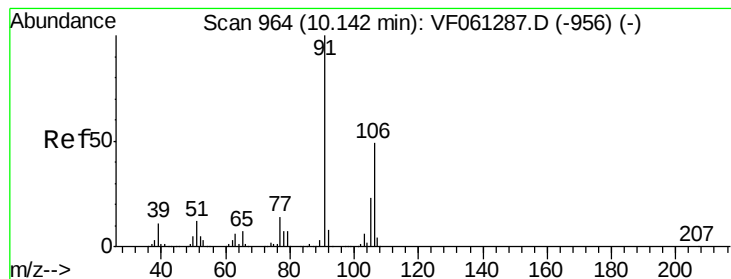
Tot Ion:117 Resp: 152283
Ion Ratio Lower Upper
117 100
82 58.0 45.3 67.9
119 31.6 25.4 38.0



#67
Ethyl Benzene
Concen: 2.424 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF061333.D
Acq: 10 Jan 2019 8:27

Tgt Ion: 91 Resp: 14370
Ion Ratio Lower Upper
91 100
106 35.6 21.4 32.2#





#68

m/p-Xylenes

Concen: 10.773 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

Instrument :

MSVOA_F

ClientSampleId :

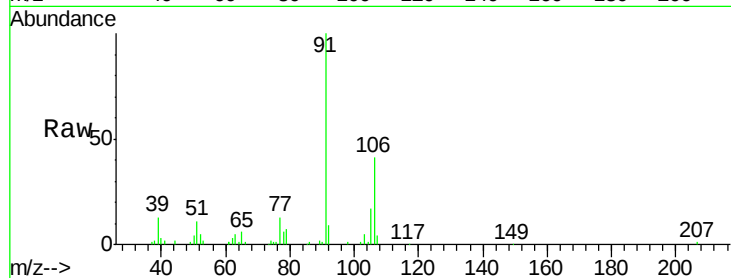
SOIL-DRUM-C

Tot Ion:106 Resp: 22280

Ion Ratio Lower Upper

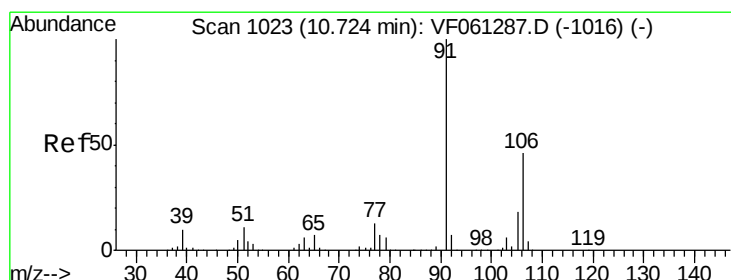
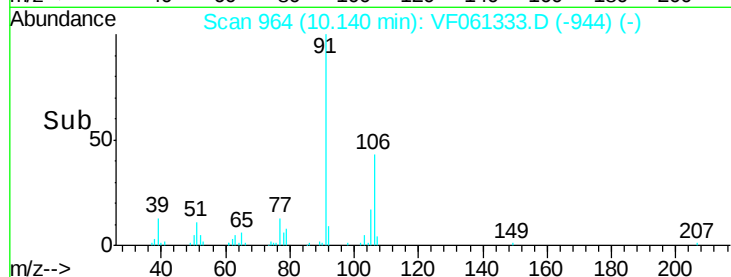
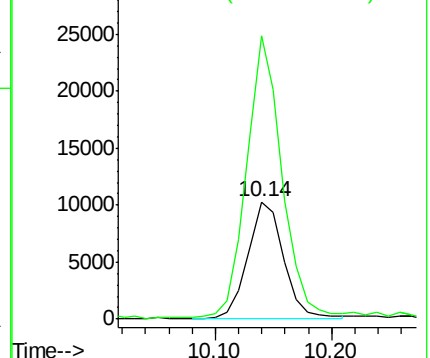
106 100

91 241.3 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 5.111 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VF061333.D

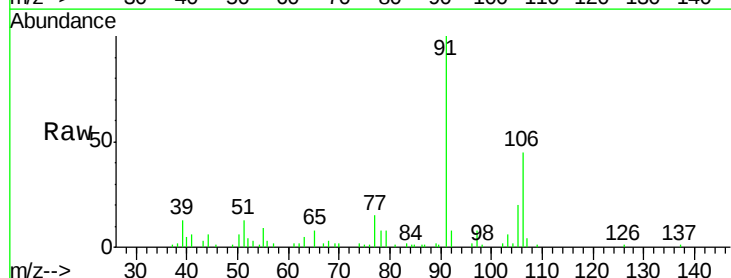
Acq: 10 Jan 2019 8:27

Tgt Ion:106 Resp: 11808

Ion Ratio Lower Upper

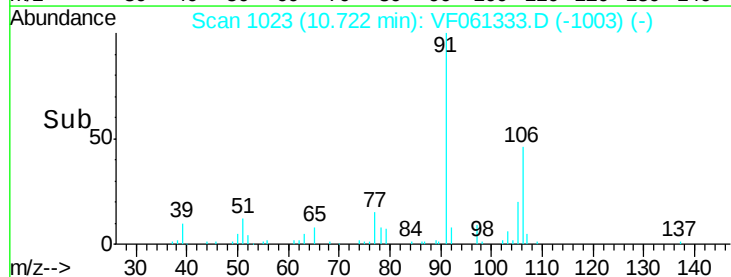
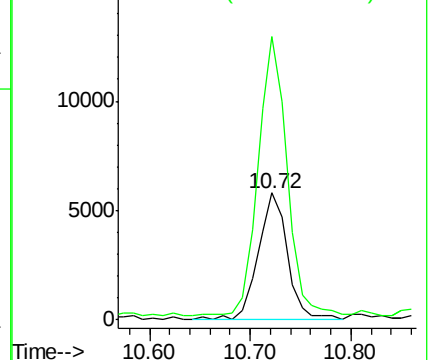
106 100

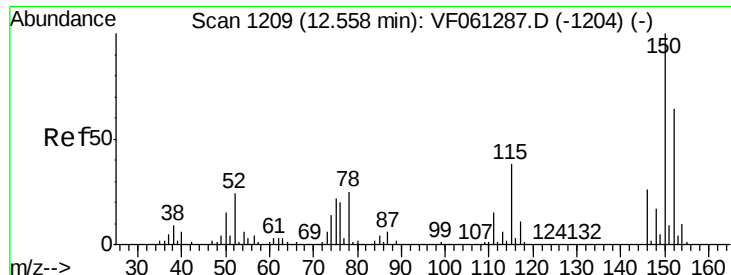
91 223.2 108.1 324.4



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# 1209

Delta R.T. -0.00 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

Instrument :

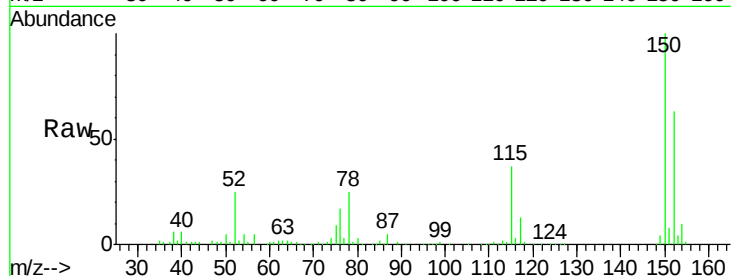
MSVOA_F

ClientSampleId :

SOIL-DRUM-C

Tot Ion:152 Resp: 74897

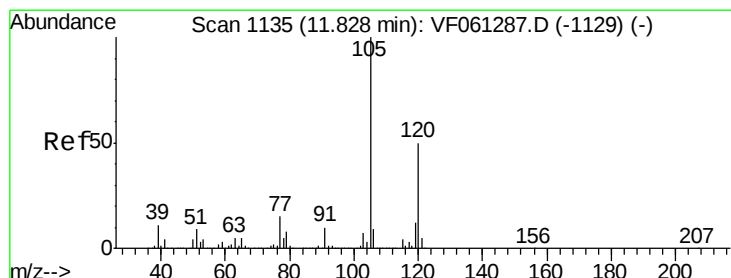
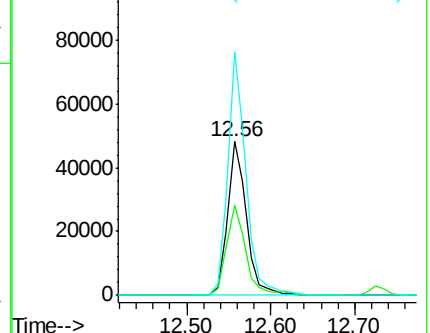
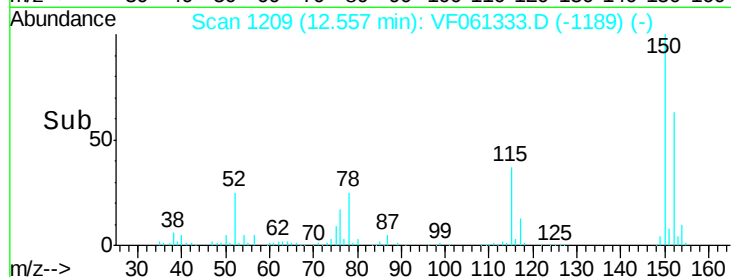
Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.6	88.9
150	158.2	0.0	315.4



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: 3.008 ug/l

RT: 11.84 min Scan# 1136

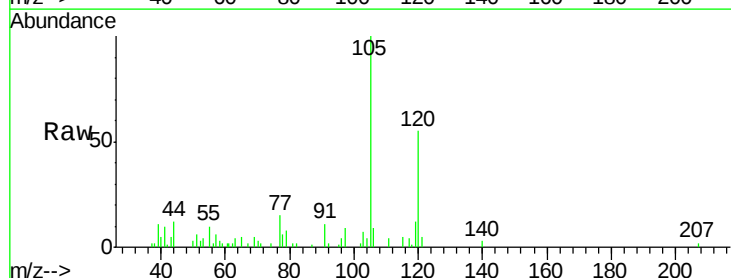
Delta R.T. 0.01 min

Lab File: VF061333.D

Acq: 10 Jan 2019 8:27

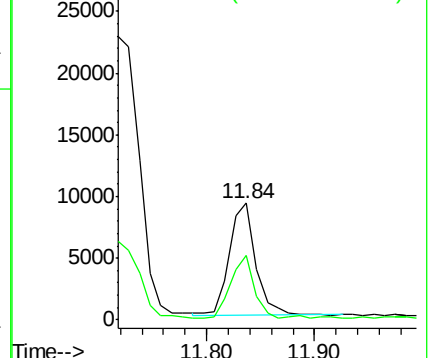
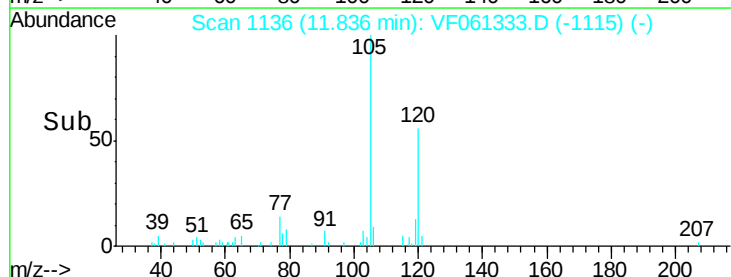
Tgt Ion:105 Resp: 15775

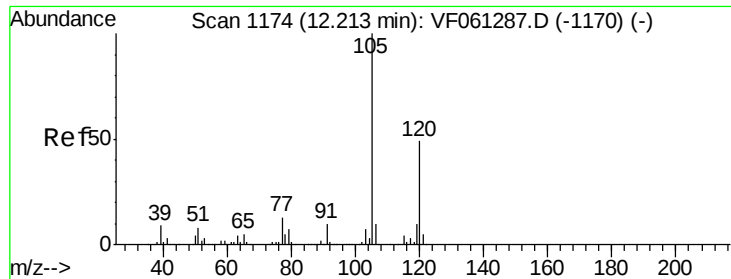
Ion	Ratio	Lower	Upper
105	100		
120	55.0	25.2	75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

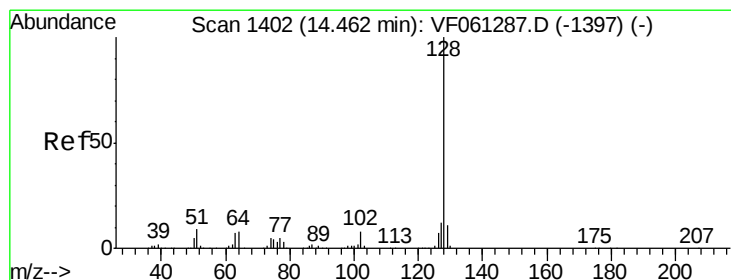
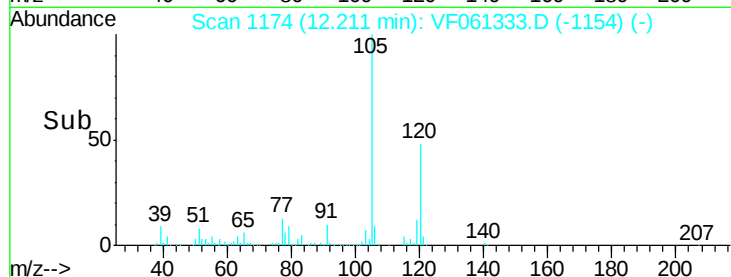
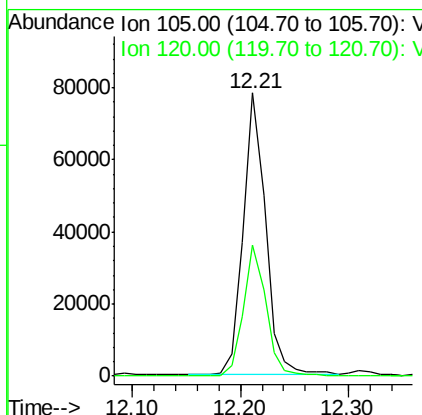
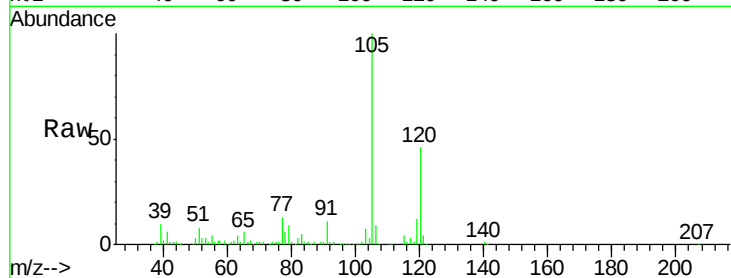




#84
 1,2,4-Trimethylbenzene
 Concen: 21.557 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061333.D
 Acq: 10 Jan 2019 8:27

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM-C

Tot Ion:105 Resp: 112239
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.7 74.1



#95
 Naphthalene
 Concen: 8.306 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: VF061333.D
 Acq: 10 Jan 2019 8:27

Tgt Ion:128 Resp: 26324
 Ion Ratio Lower Upper
 128 100
 127 12.2 9.4 14.0
 129 11.8 8.8 13.2

