

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061334.D
 Acq On : 10 Jan 2019 8:56
 Operator : VA/AP
 Sample : K1100-07
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM-D

Quant Time: Jan 10 11:52:24 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

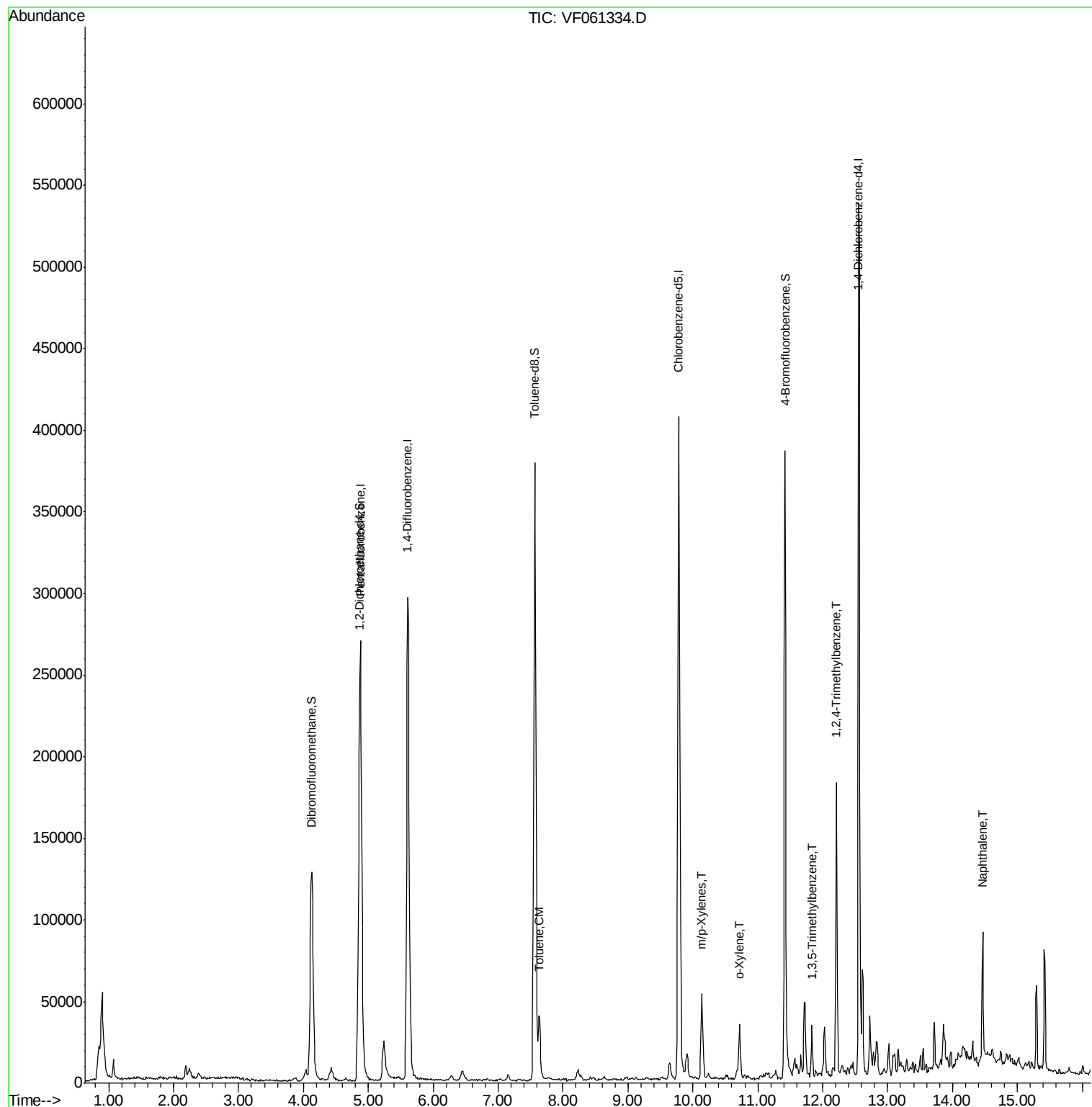
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	197354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	345174	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	300619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	145404	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	106685	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	
35) Dibromofluoromethane	4.13	113	124900	47.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.58%	
50) Toluene-d8	7.56	98	318941	40.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.62%	
62) 4-Bromofluorobenzene	11.42	95	152469	44.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.34%	
Target Compounds						
52) Toluene	7.64	92	21038	3.478	ug/l	95
68) m/p-Xylenes	10.14	106	18793	4.603	ug/l	94
69) o-Xylene	10.72	106	10291	2.256	ug/l	92
80) 1,3,5-Trimethylbenzene	11.83	105	15960	1.568	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	95349	9.433	ug/l	95
95) Naphthalene	14.47	128	47339	7.694	ug/l	99

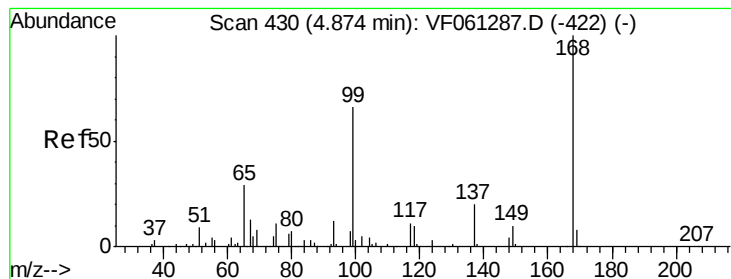
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061334.D

Acq: 10 Jan 2019 8:56

Instrument :

MSVOA_F

ClientSampleId :

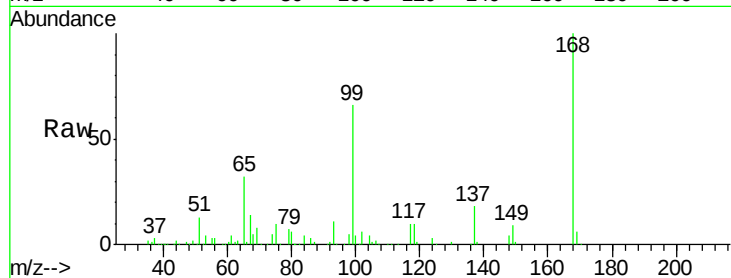
SOIL-DRUM-D

Tot Ion:168 Resp: 197354

Ion Ratio Lower Upper

168 100

99 66.0 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

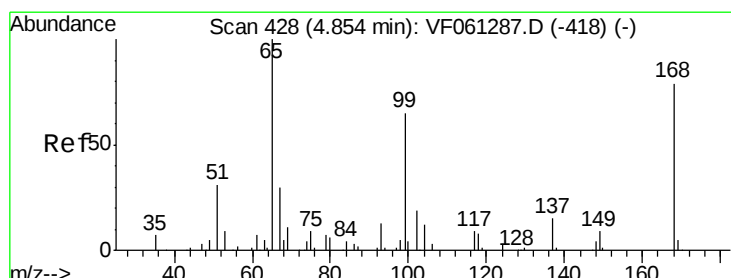
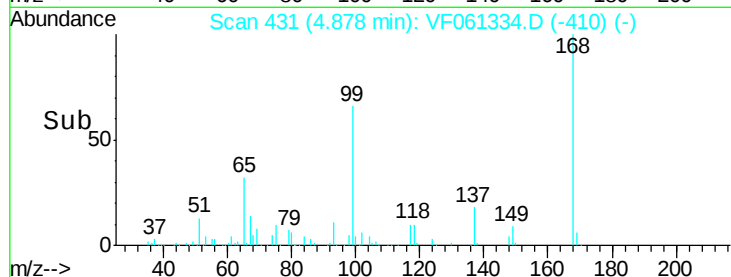
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 48.567 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061334.D

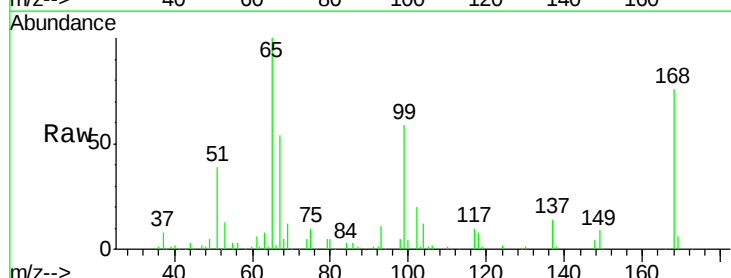
Acq: 10 Jan 2019 8:56

Tgt Ion: 65 Resp: 106685

Ion Ratio Lower Upper

65 100

67 53.6 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

40000

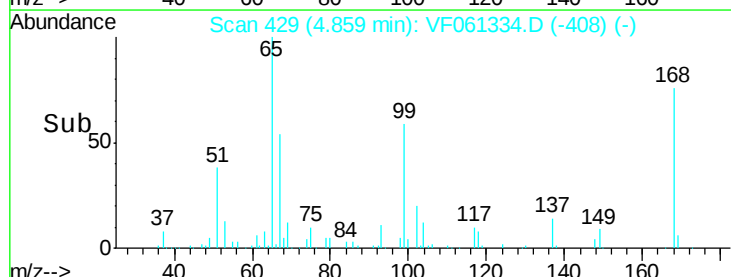
30000

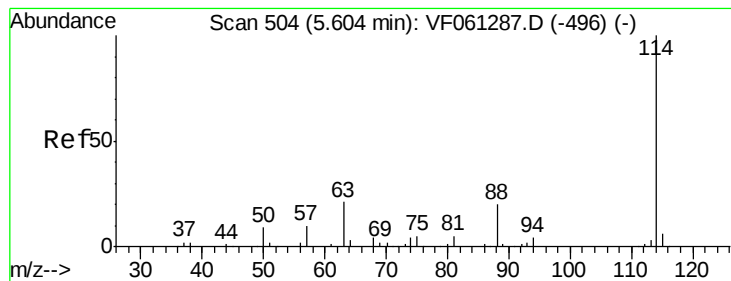
20000

10000

0

Time--> 4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061334.D

Acq: 10 Jan 2019 8:56

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-D

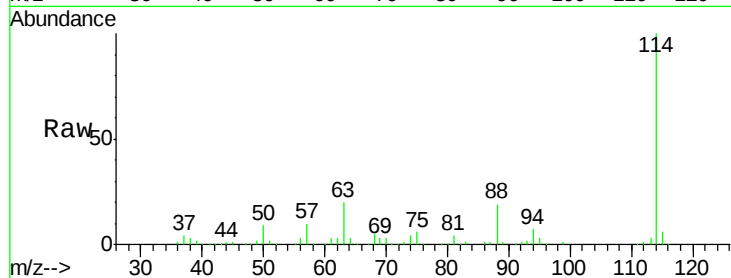
Tot Ion:114 Resp: 345174

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

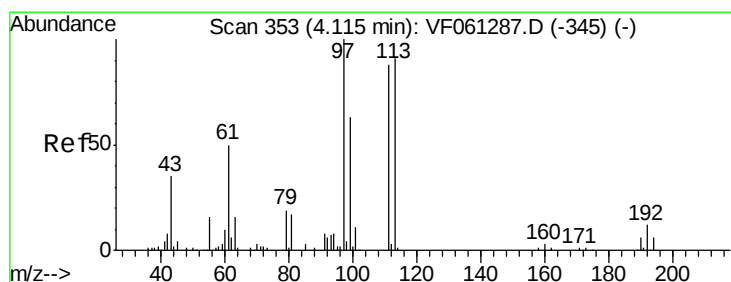
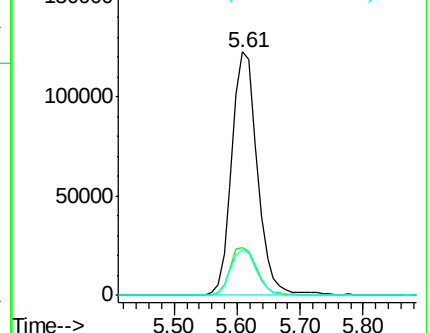
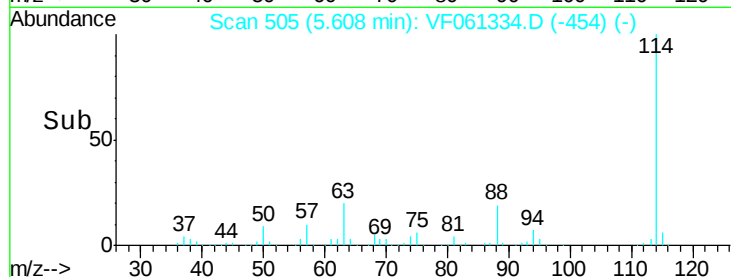
88 18.8 0.0 40.0



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: 47.290 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061334.D

Acq: 10 Jan 2019 8:56

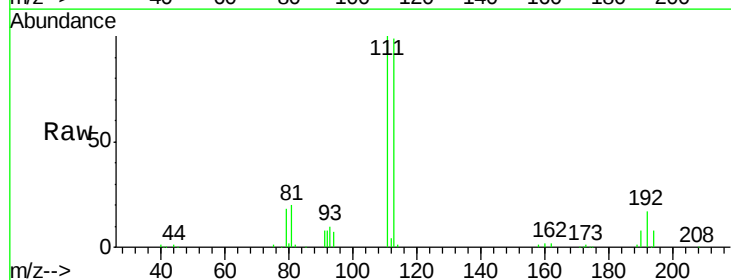
Tgt Ion:113 Resp: 124900

Ion Ratio Lower Upper

113 100

111 101.0 78.0 117.0

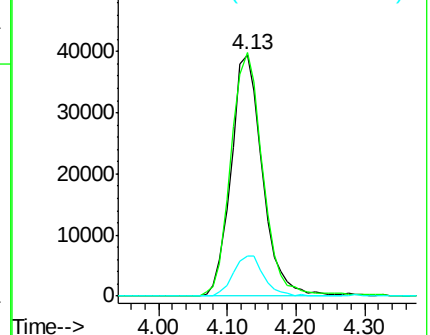
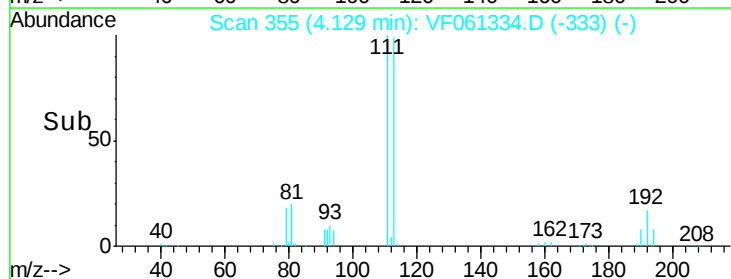
192 16.7 10.6 16.0#

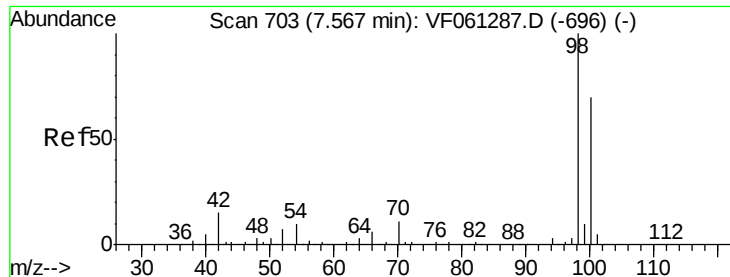


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

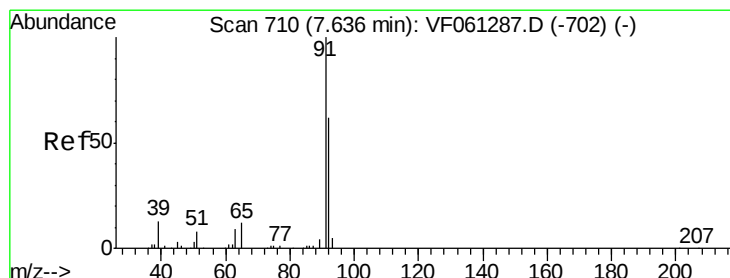
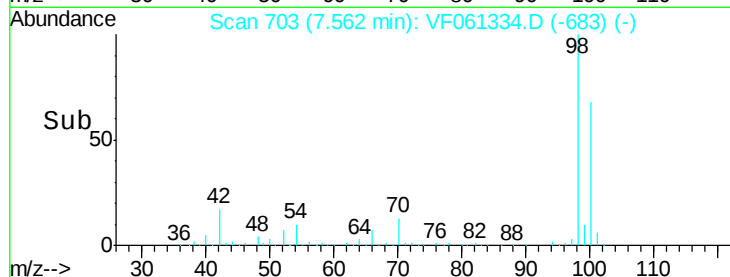
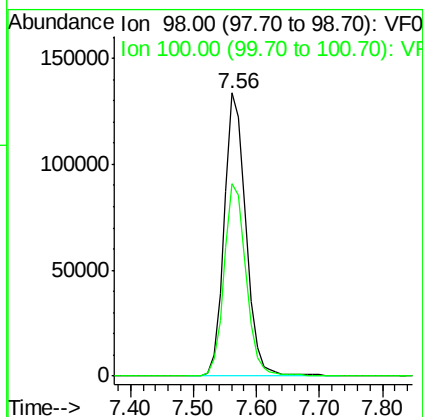
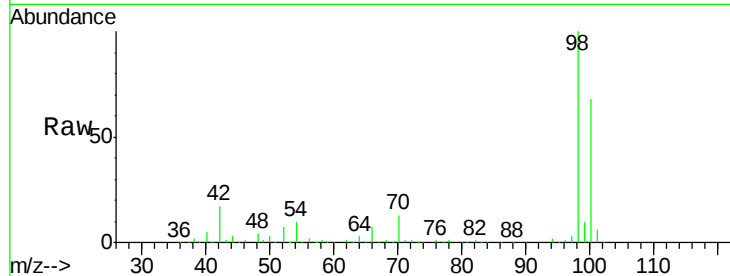




#50
Toluene-d8
Concen: 40.807 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF061334.D
Acq: 10 Jan 2019 8:56

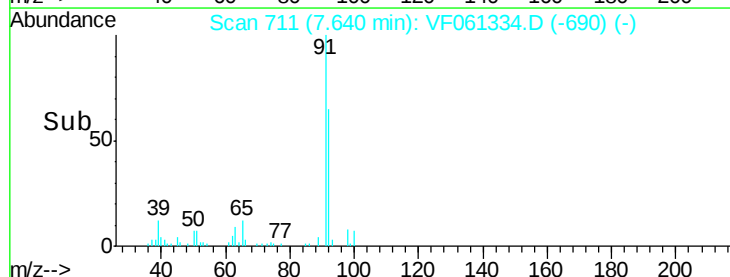
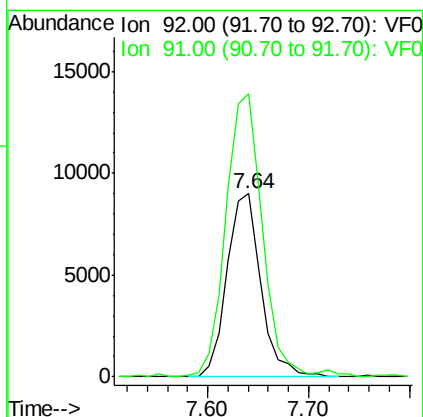
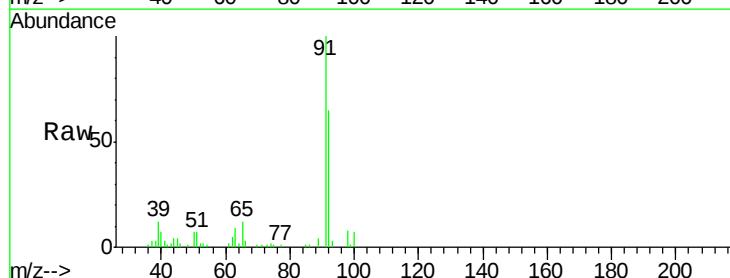
Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM-D

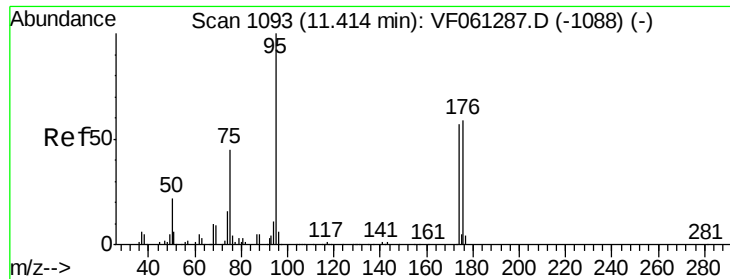
Tot Ion: 98 Resp: 318941
Ion Ratio Lower Upper
98 100
100 68.2 55.6 83.4



#52
Toluene
Concen: 3.478 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.00 min
Lab File: VF061334.D
Acq: 10 Jan 2019 8:56

Tgt Ion: 92 Resp: 21038
Ion Ratio Lower Upper
92 100
91 154.6 129.2 193.8





#62

4-Bromofluorobenzene

Concen: 44.675 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061334.D

Acq: 10 Jan 2019 8:56

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-D

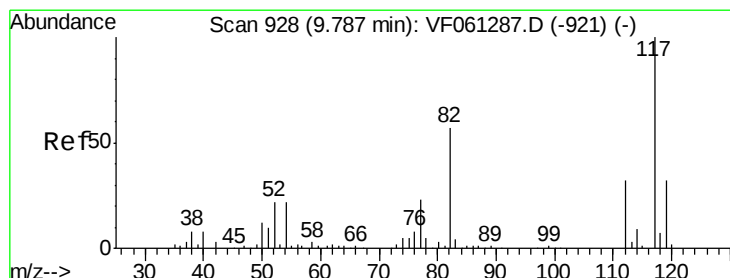
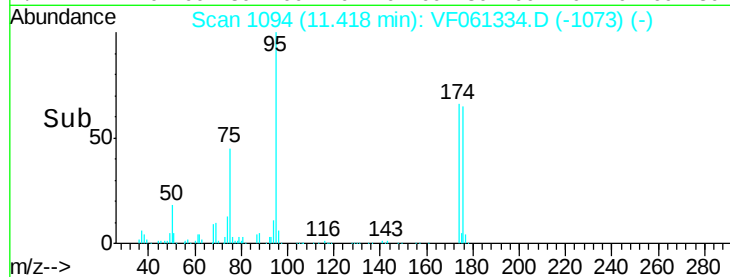
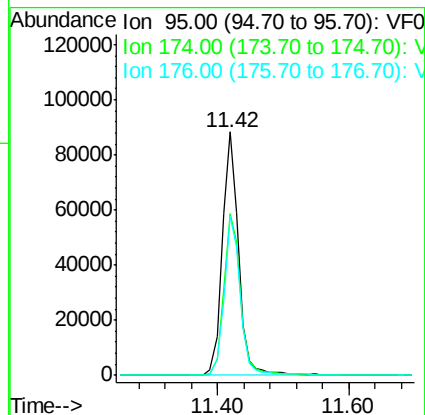
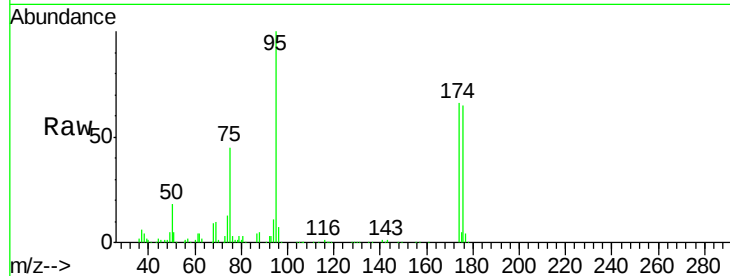
Tot Ion: 95 Resp: 152469

Ion Ratio Lower Upper

95 100

174 66.4 0.0 114.2

176 65.2 0.0 117.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061334.D

Acq: 10 Jan 2019 8:56

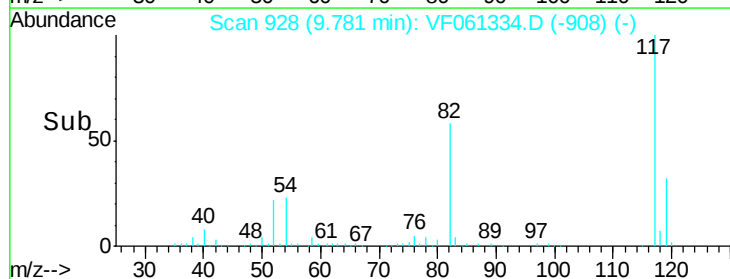
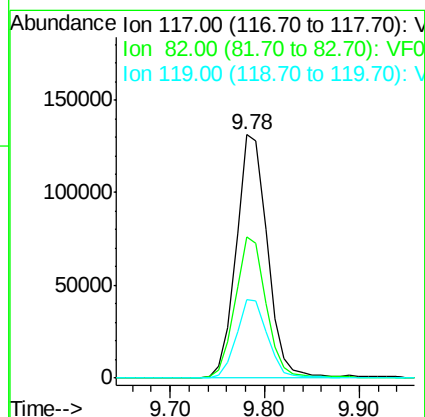
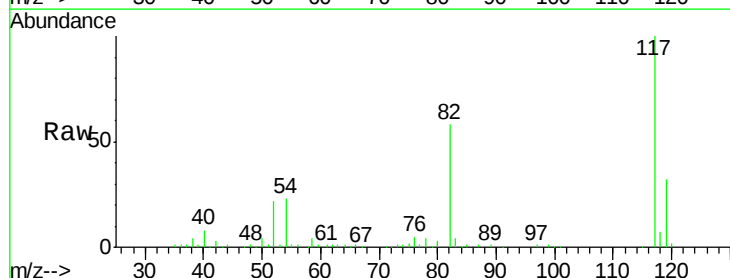
Tgt Ion: 117 Resp: 300619

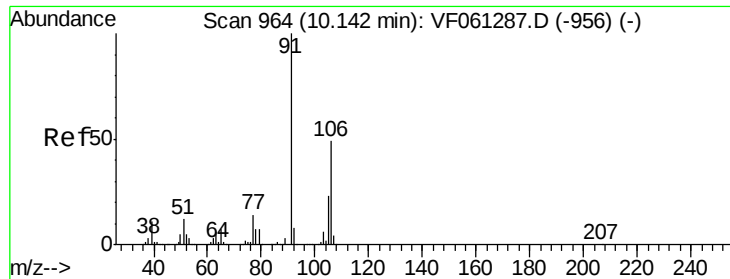
Ion Ratio Lower Upper

117 100

82 58.1 45.3 67.9

119 32.5 25.4 38.0

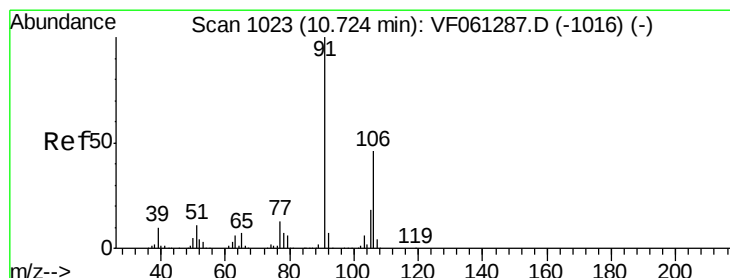
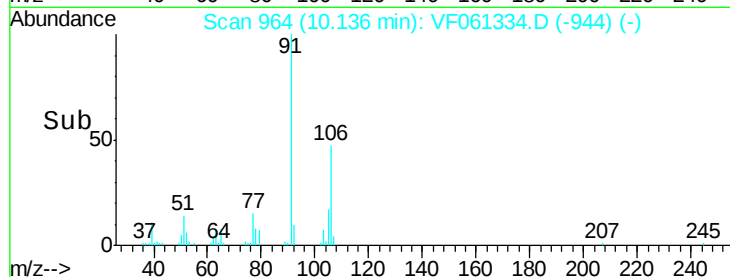
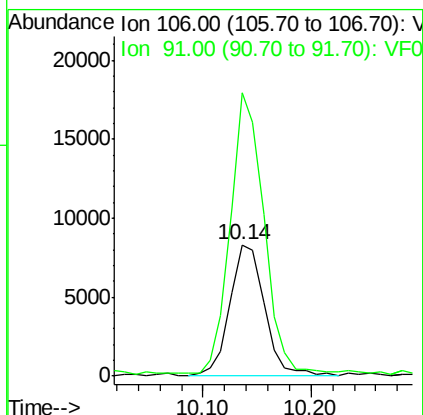
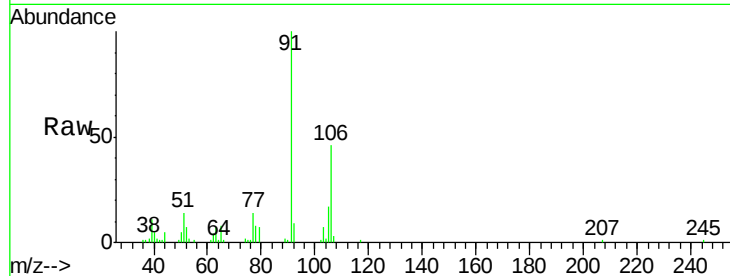




#68
m/p-Xylenes
Concen: 4.603 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF061334.D
Acq: 10 Jan 2019 8:56

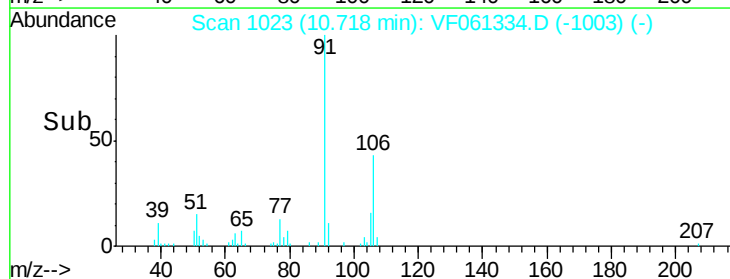
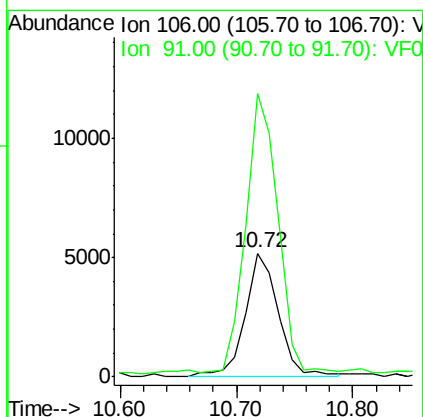
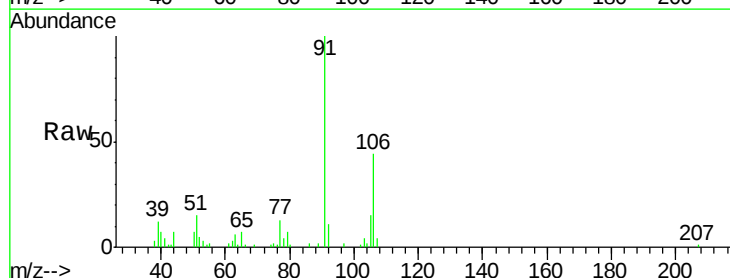
Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM-D

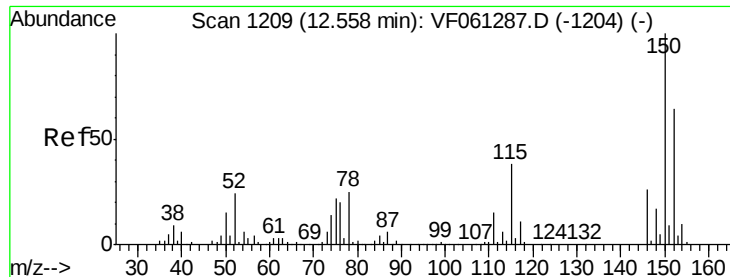
Tot Ion:106 Resp: 18793
Ion Ratio Lower Upper
106 100
91 215.1 165.0 247.6



#69
o-Xylene
Concen: 2.256 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061334.D
Acq: 10 Jan 2019 8:56

Tgt Ion:106 Resp: 10291
Ion Ratio Lower Upper
106 100
91 229.3 108.1 324.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061334.D

Acq: 10 Jan 2019 8:56

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM-D

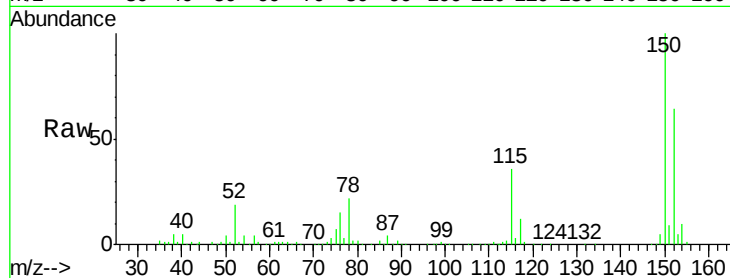
Tot Ion:152 Resp: 145404

Ion Ratio Lower Upper

152 100

115 55.4 29.6 88.9

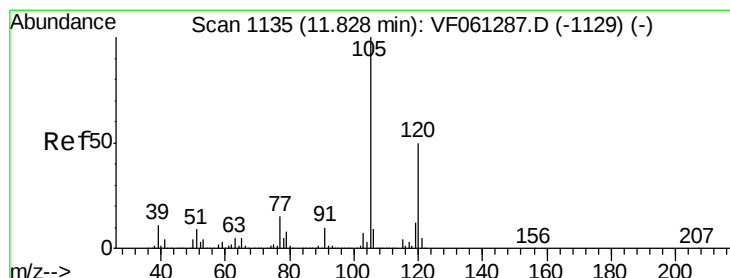
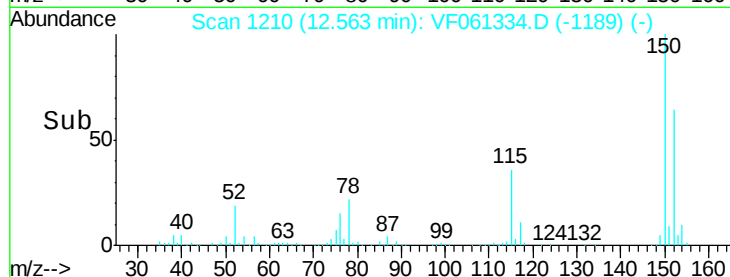
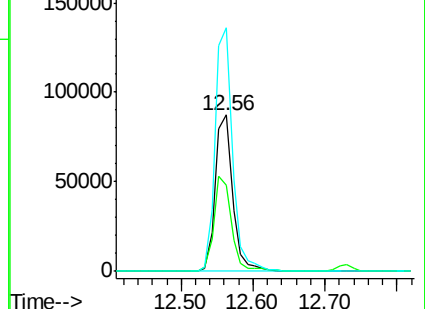
150 155.6 0.0 315.4



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: 1.568 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061334.D

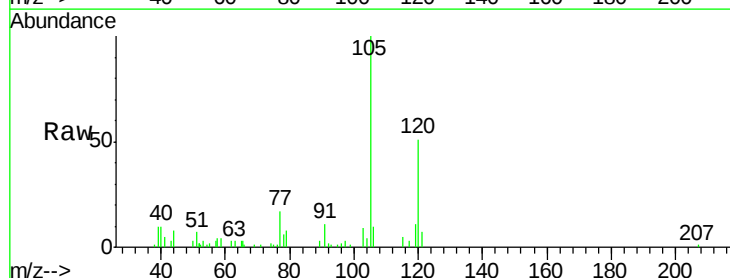
Acq: 10 Jan 2019 8:56

Tgt Ion:105 Resp: 15960

Ion Ratio Lower Upper

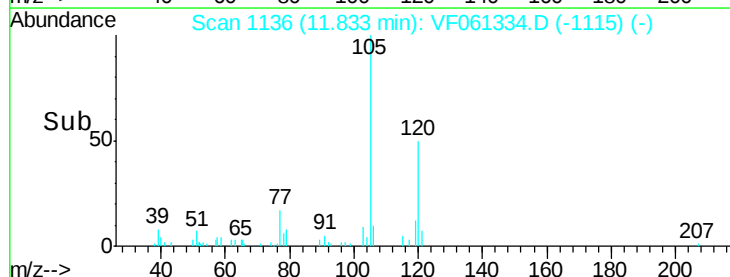
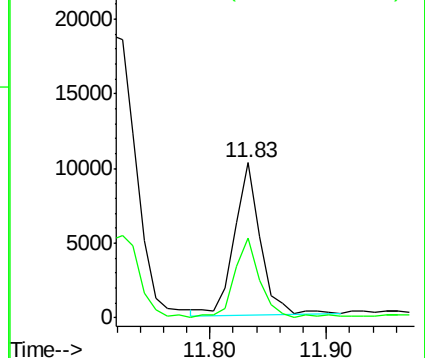
105 100

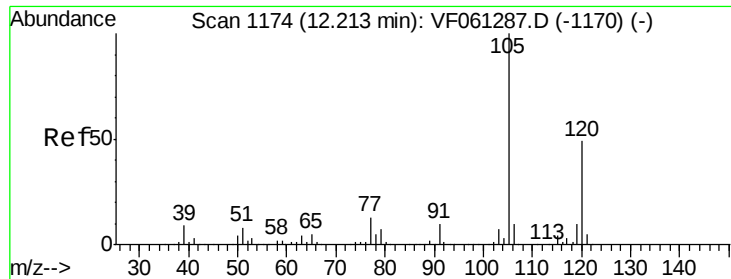
120 51.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

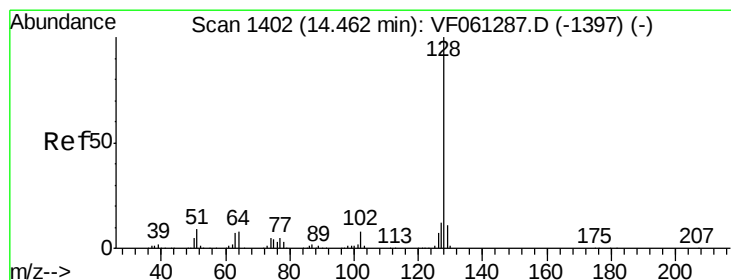
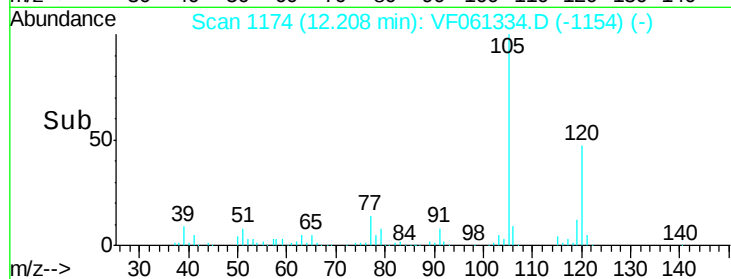
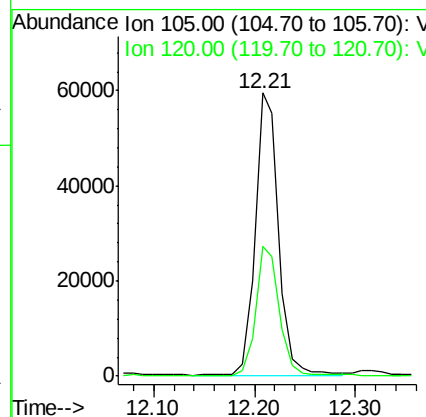
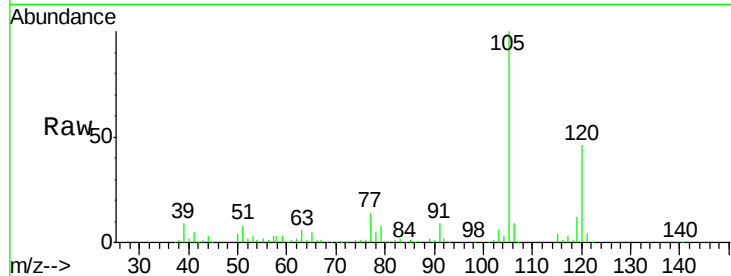




#84
 1,2,4-Trimethylbenzene
 Concen: 9.433 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061334.D
 Acq: 10 Jan 2019 8:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM-D

Tot Ion:105 Resp: 95349
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.7 74.1



#95
 Naphthalene
 Concen: 7.694 ug/l
 RT: 14.47 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VF061334.D
 Acq: 10 Jan 2019 8:56

Tgt Ion:128 Resp: 47339
 Ion Ratio Lower Upper
 128 100
 127 12.2 9.4 14.0
 129 11.0 8.8 13.2

