

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061006.D
 Acq On : 12 Dec 2018 20:11
 Operator : VA/AP
 Sample : J6354-01RE
 Misc : 5.47g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOILRE

Quant Time: Dec 13 02:51:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

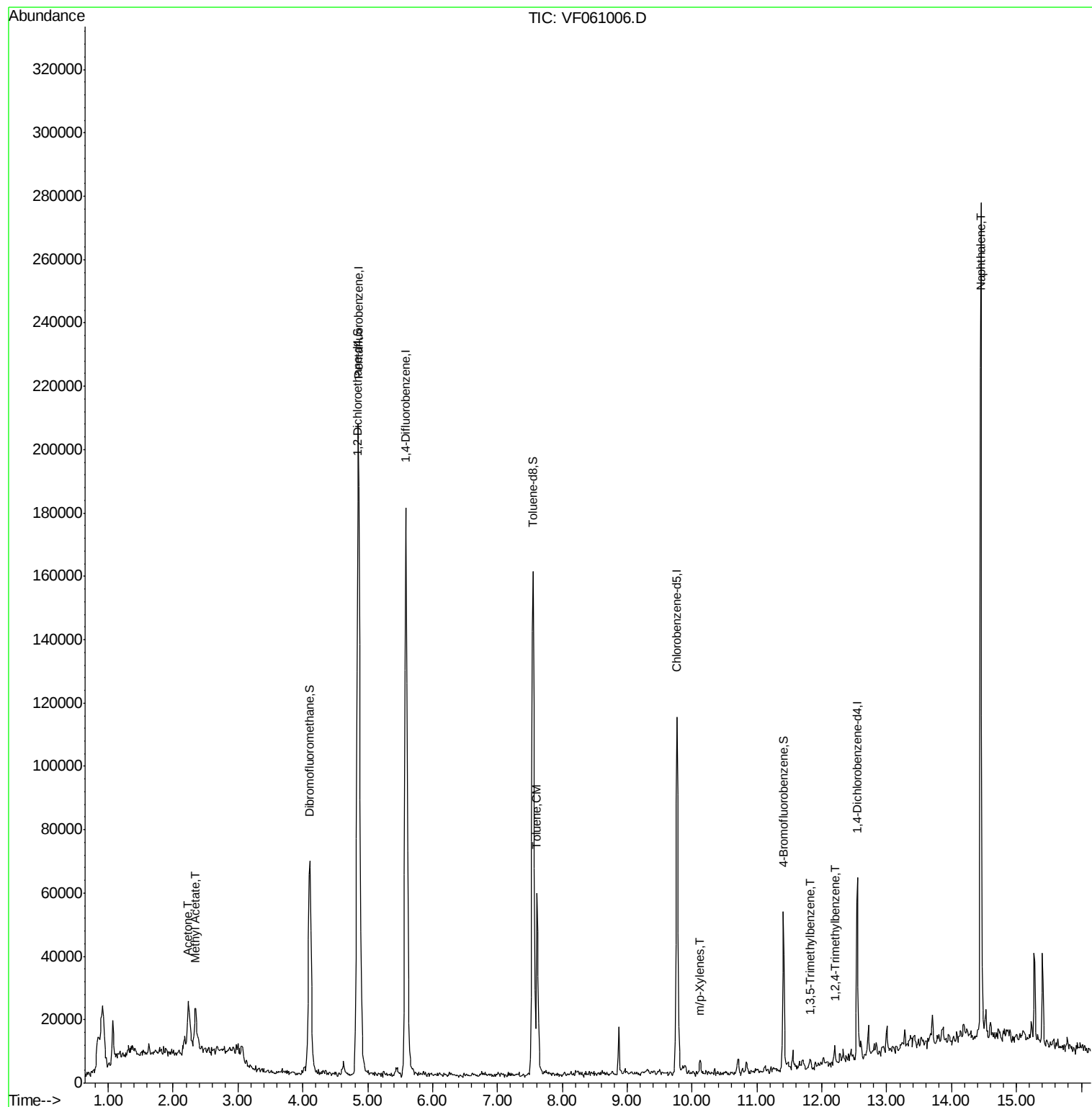
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	156890	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	202774	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	76877	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	14431	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	64505	34.90	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	69.80%	
35) Dibromofluoromethane	4.11	113	68368	42.50	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	85.00%	
50) Toluene-d8	7.55	98	133528	28.18	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	56.36%	
62) 4-Bromofluorobenzene	11.40	95	19819	9.20	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	18.40%	
Target Compounds						
					Qvalue	
16) Acetone	2.23	43	20212	59.304	ug/l	96
18) Methyl Acetate	2.34	43	23951	41.611	ug/l	99
52) Toluene	7.62	92	20790	5.957	ug/l	86
68) m/p-Xylenes	10.13	106	1544	1.542	ug/l #	62
80) 1,3,5-Trimethylbenzene	11.82	105	1696	1.832	ug/l	78
84) 1,2,4-Trimethylbenzene	12.20	105	3653	3.954	ug/l	95
95) Naphthalene	14.45	128	189760	330.296	ug/l	100

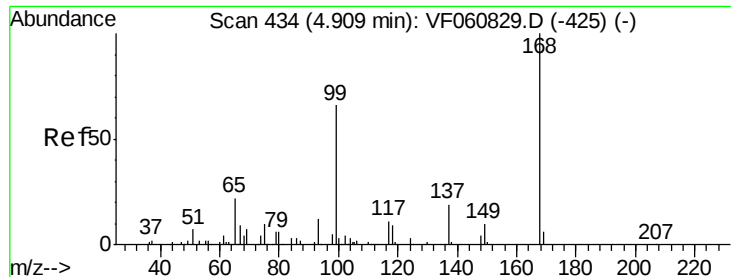
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.05 min

Lab File: VF061006.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_F

ClientSampleID :

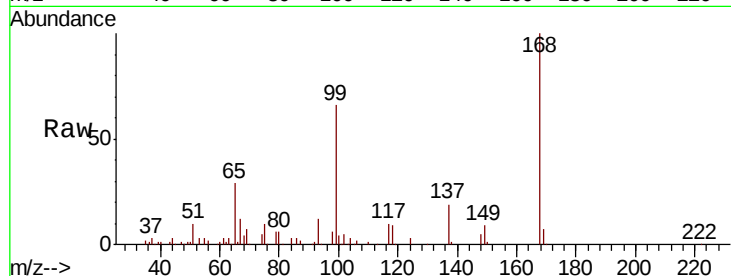
SOILRE

Tot Ion:168 Resp: 156890

Ion Ratio Lower Upper

168 100

99 66.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

50000

40000

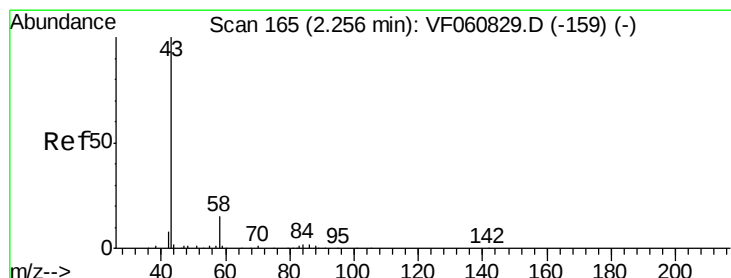
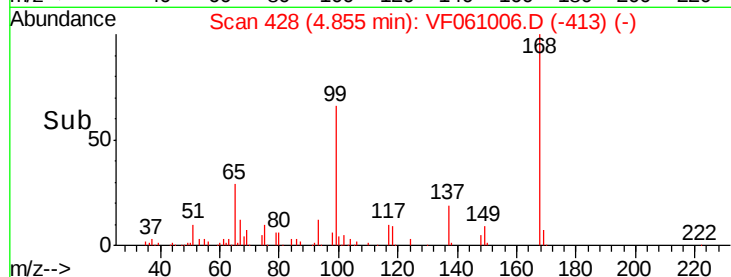
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 59.304 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061006.D

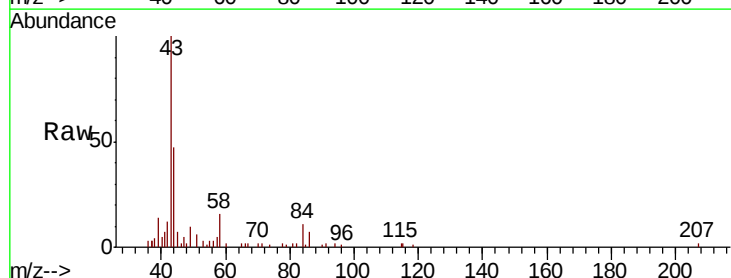
Acq: 12 Dec 2018 20:11

Tgt Ion: 43 Resp: 20212

Ion Ratio Lower Upper

43 100

58 16.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

10000

8000

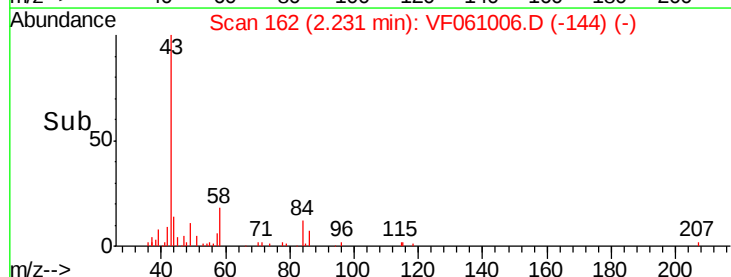
6000

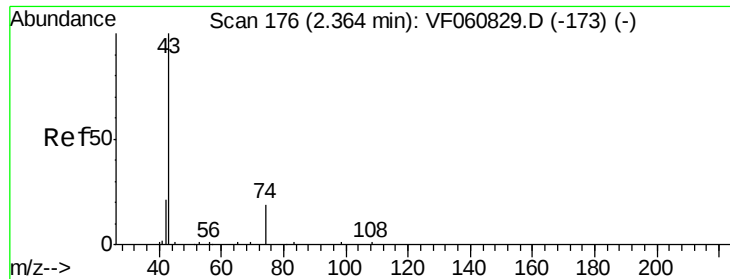
4000

2000

0

Time-->

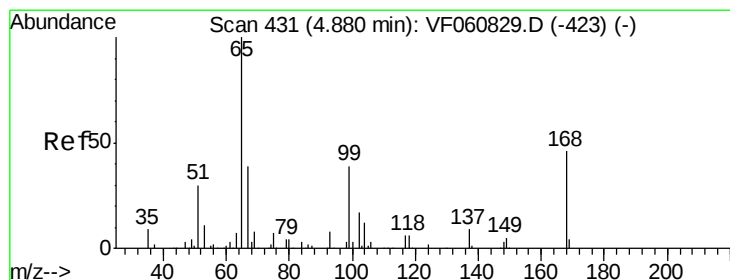
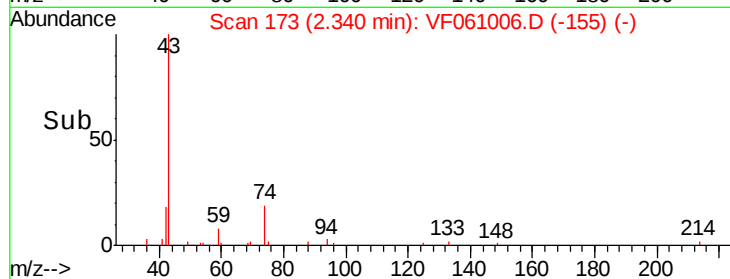
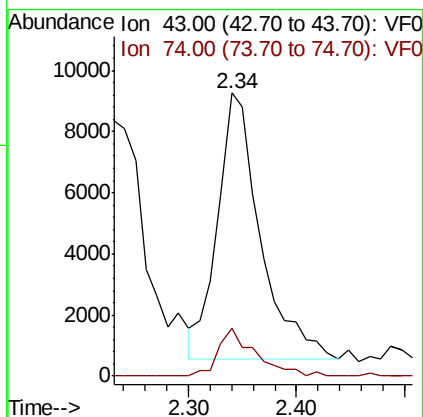
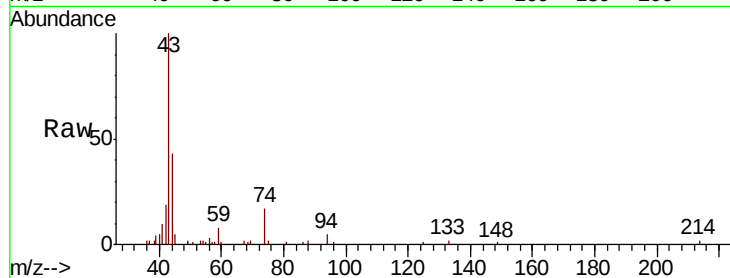




#18
Methvl Acetate
Concen: 41.611 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061006.D
Acq: 12 Dec 2018 20:11

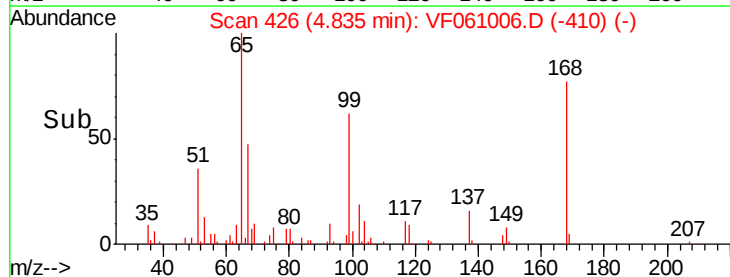
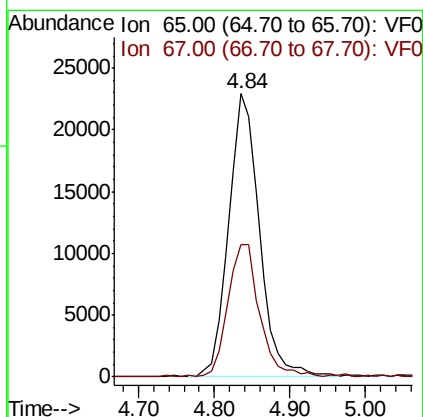
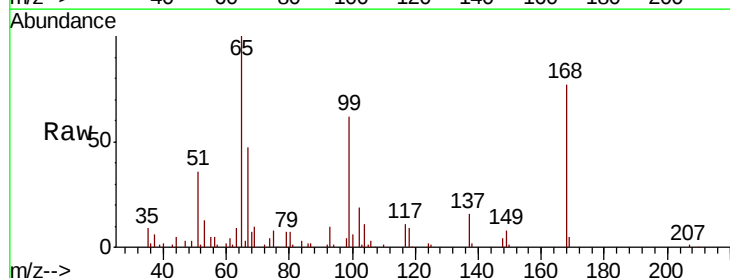
Instrument :
MSVOA_F
ClientSampleId :
SOILRE

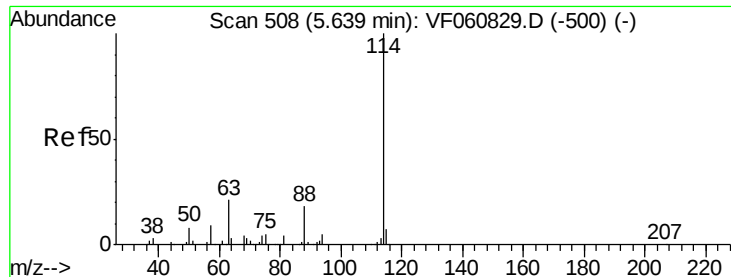
Tot Ion: 43 Resp: 23951
Ion Ratio Lower Upper
43 100
74 17.1 13.3 19.9



#33
1,2-Dichloroethane-d4
Concen: 34.901 ug/l
RT: 4.84 min Scan# 426
Delta R.T. -0.04 min
Lab File: VF061006.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 65 Resp: 64505
Ion Ratio Lower Upper
65 100
67 46.7 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF061006.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

SOILRE

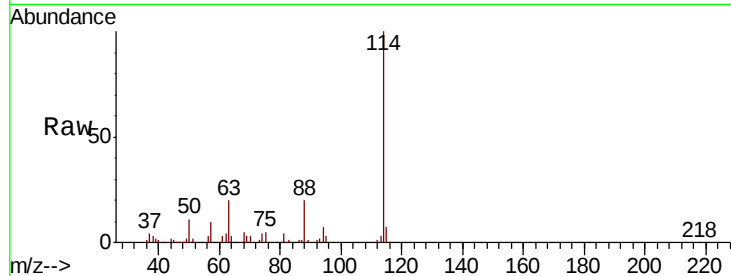
Tot Ion:114 Resp: 202774

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

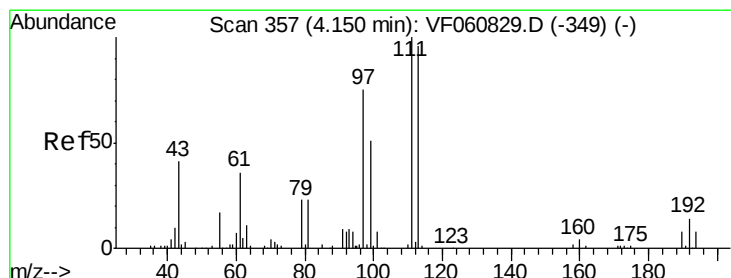
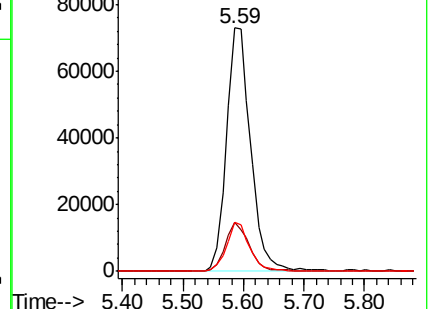
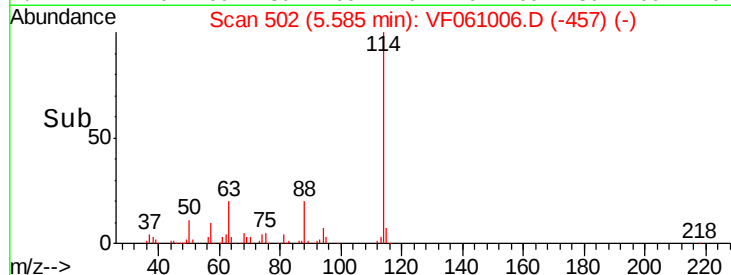
88 20.4 0.0 36.6



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: 42.500 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.04 min

Lab File: VF061006.D

Acq: 12 Dec 2018 20:11

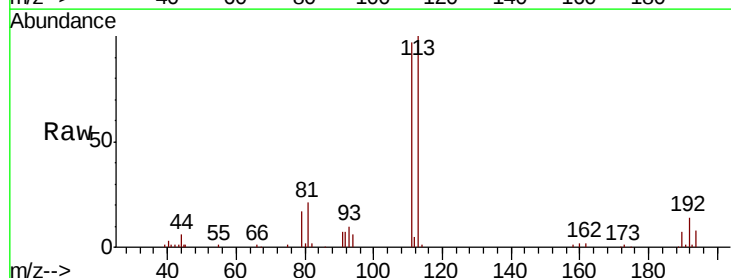
Tgt Ion:113 Resp: 68368

Ion Ratio Lower Upper

113 100

111 96.7 83.0 124.6

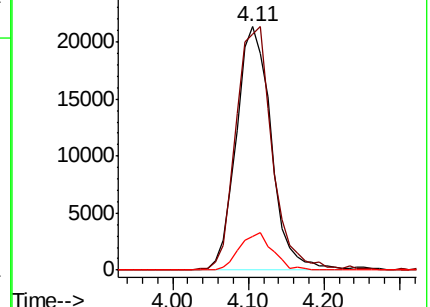
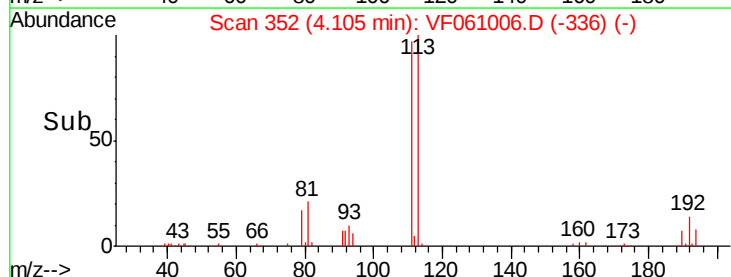
192 14.1 12.3 18.5

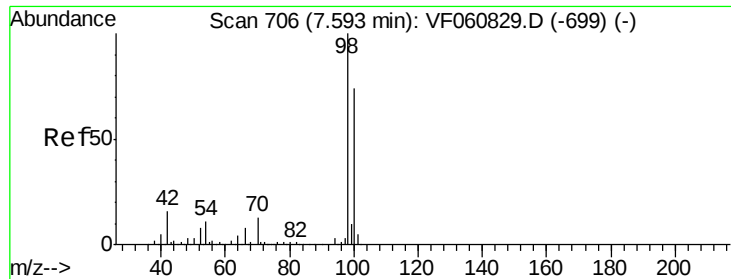


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 28.179 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.04 min

Lab File: VF061006.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

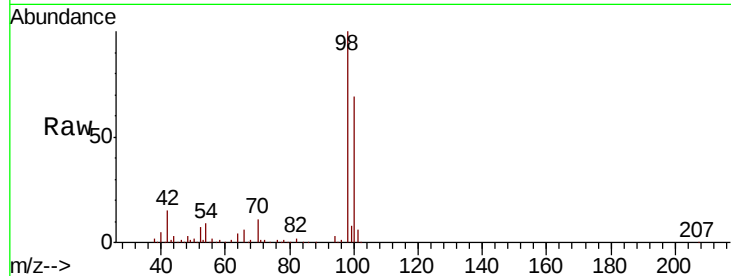
SOILRE

Tot Ion: 98 Resp: 133528

Ion Ratio Lower Upper

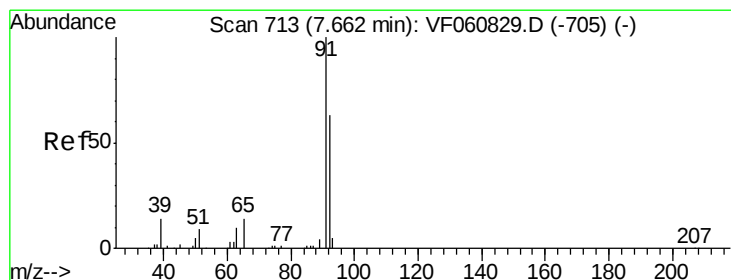
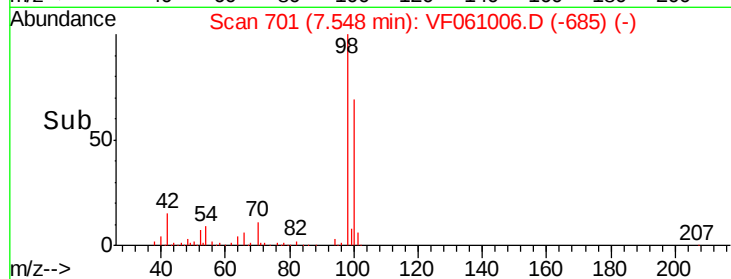
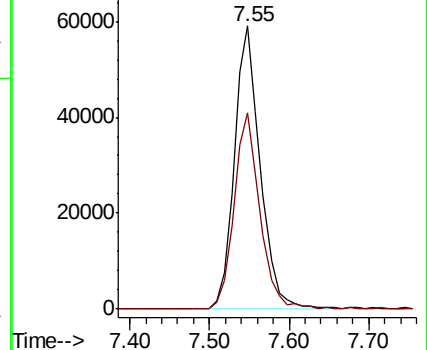
98 100

100 69.4 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: 5.957 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.04 min

Lab File: VF061006.D

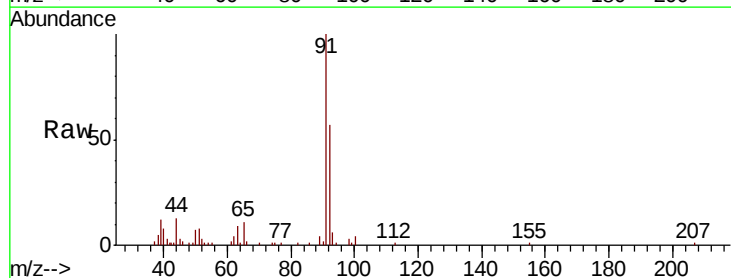
Acq: 12 Dec 2018 20:11

Tgt Ion: 92 Resp: 20790

Ion Ratio Lower Upper

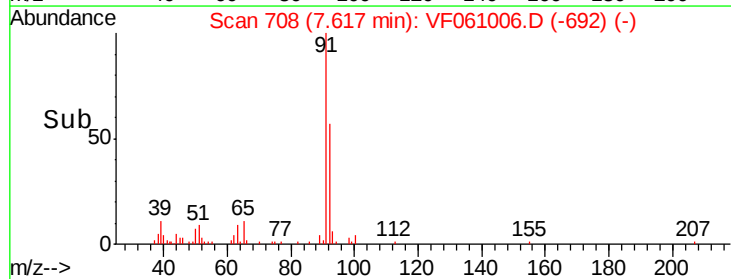
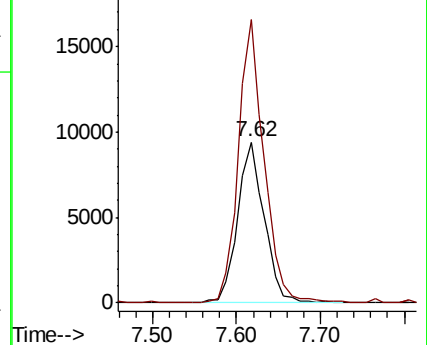
92 100

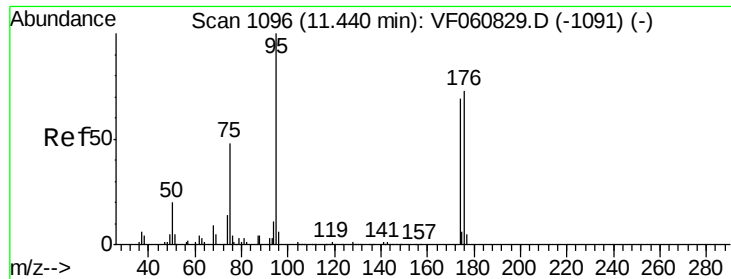
91 176.0 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 9.203 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VF061006.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_F

ClientSampleId :

SOILRE

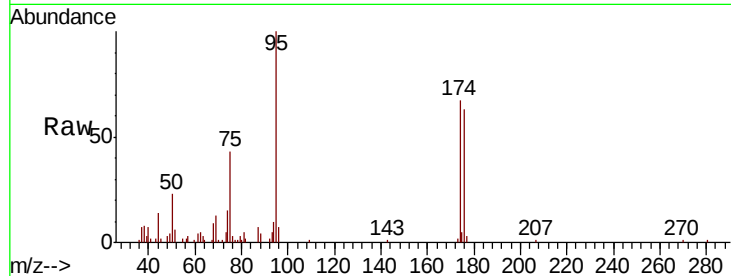
Tot Ion: 95 Resp: 19819

Ion Ratio Lower Upper

95 100

174 67.2 0.0 138.2

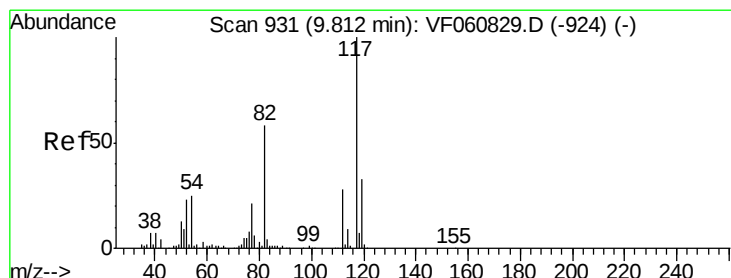
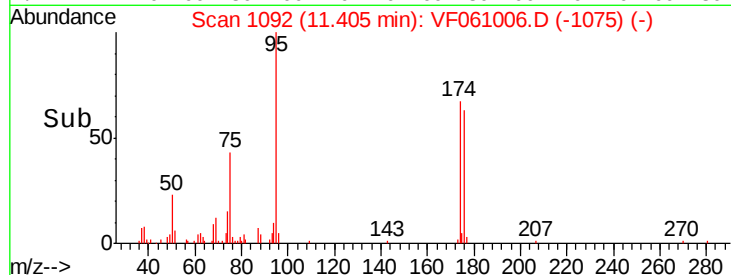
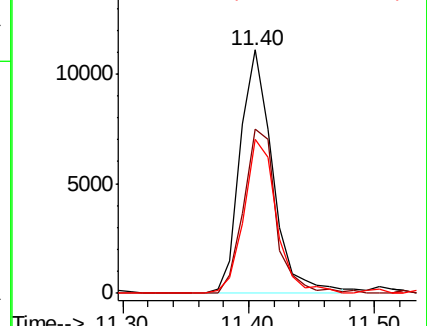
176 63.4 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.04 min

Lab File: VF061006.D

Acq: 12 Dec 2018 20:11

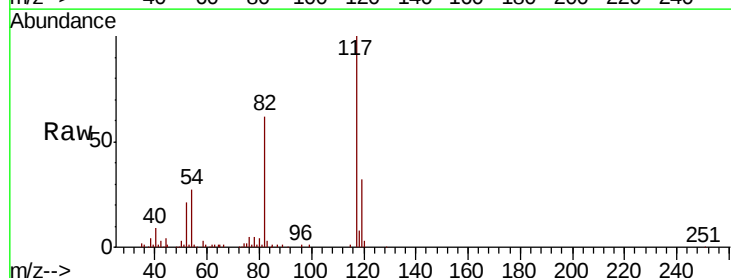
Tgt Ion: 117 Resp: 76877

Ion Ratio Lower Upper

117 100

82 62.2 46.6 69.8

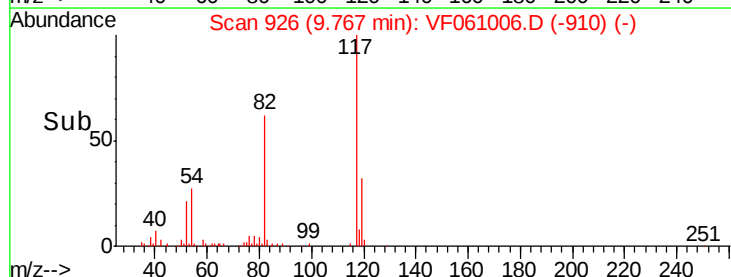
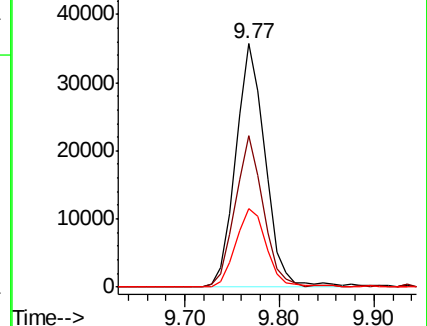
119 32.4 26.4 39.6

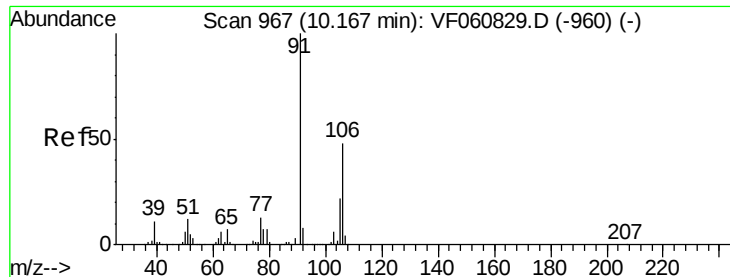


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

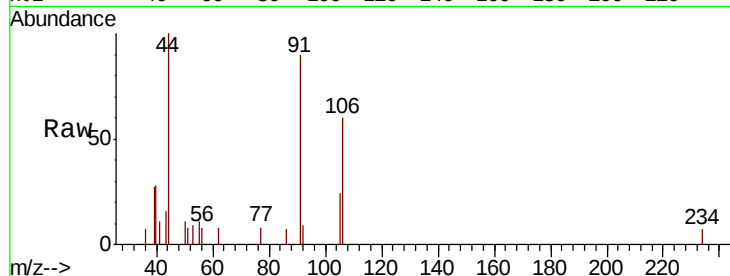




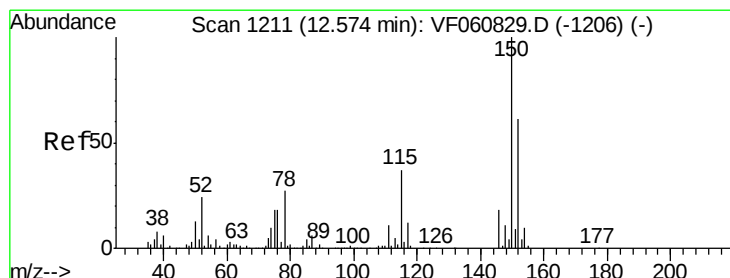
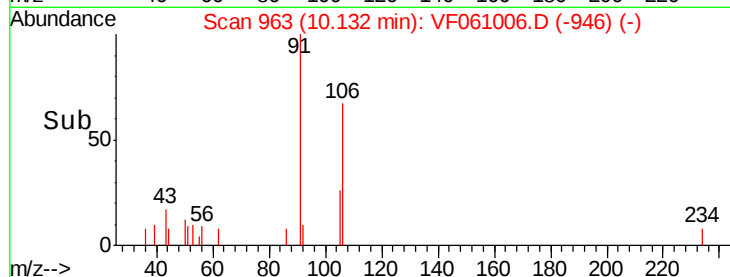
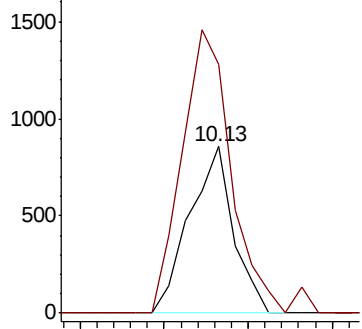
#68
m/p-Xvlenes
Concen: 1.542 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF061006.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_F
ClientSampled :
SOILRE

Tot Ion:106 Resp: 1544
Ion Ratio Lower Upper
106 100
91 149.5 166.7 250.1#

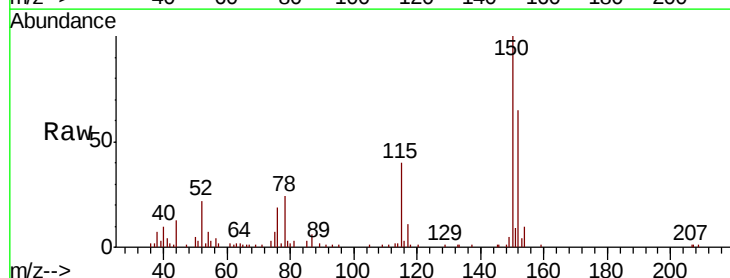


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

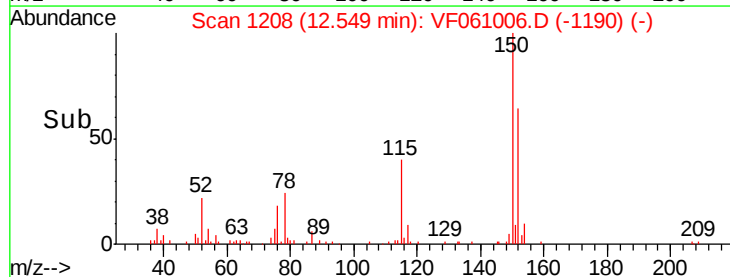
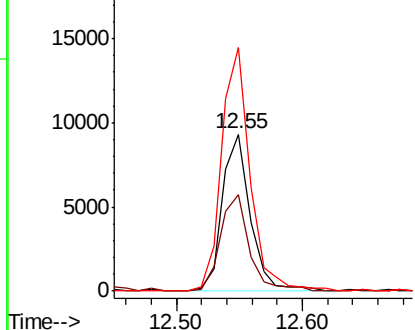


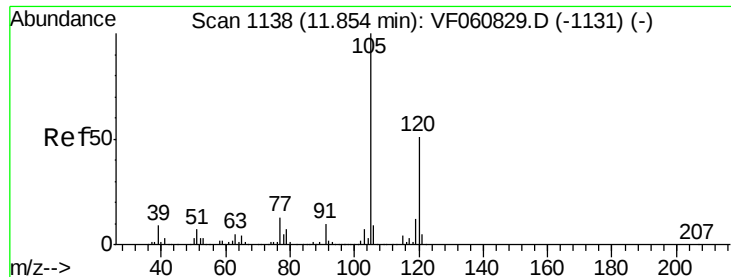
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061006.D
Acq: 12 Dec 2018 20:11

Tgt Ion:152 Resp: 14431
Ion Ratio Lower Upper
152 100
115 61.7 30.1 90.5
150 155.0 0.0 327.6



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

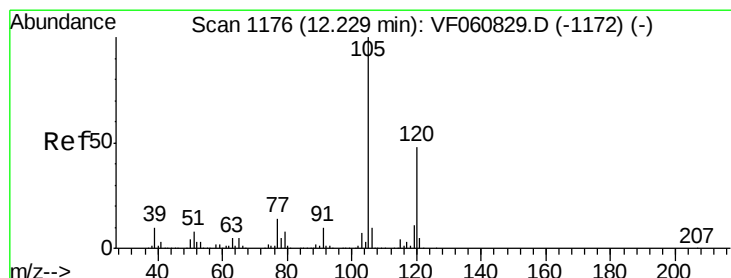
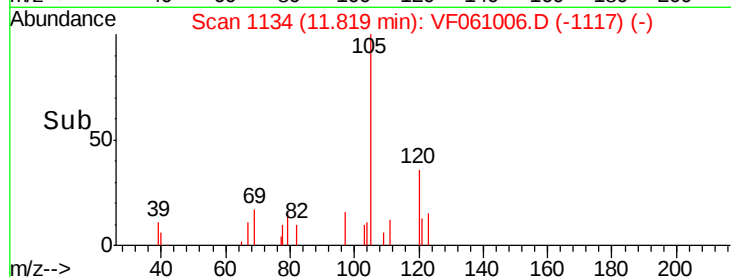
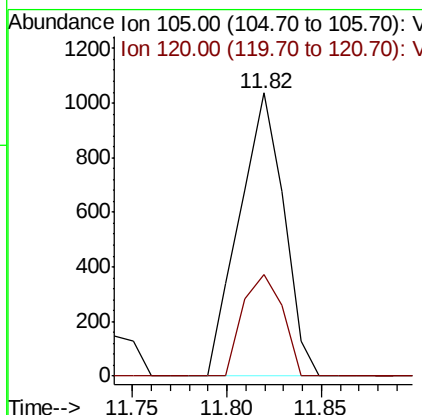
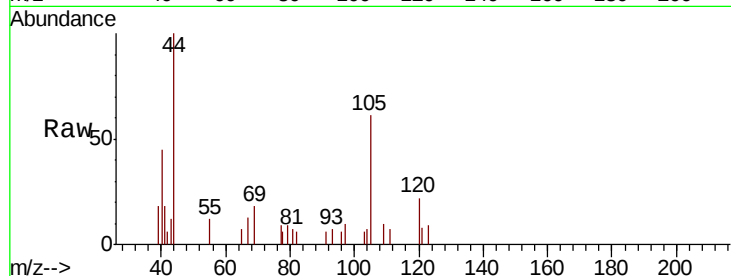




#80
 1,3,5-Trimethylbenzene
 Concen: 1.832 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.03 min
 Lab File: VF061006.D
 Acq: 12 Dec 2018 20:11

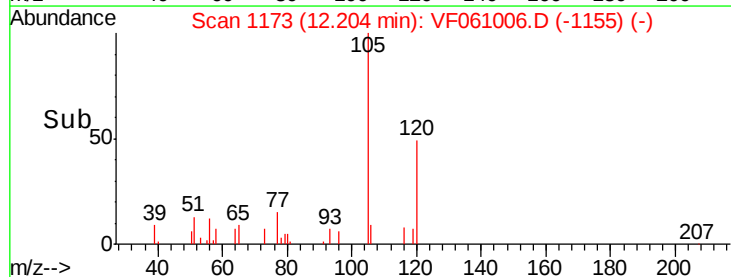
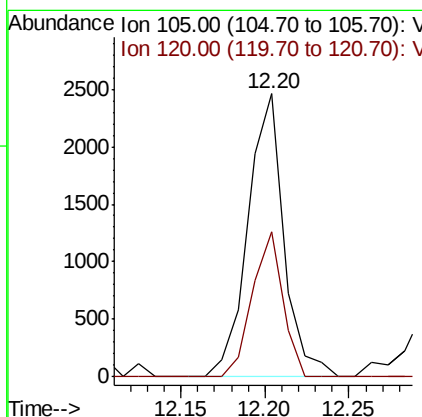
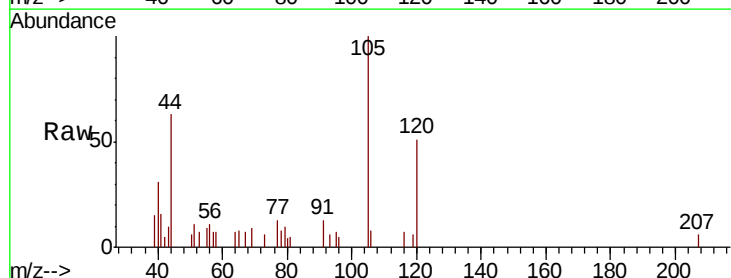
Instrument :
 MSVOA_F
 ClientSampled :
 SOILRE

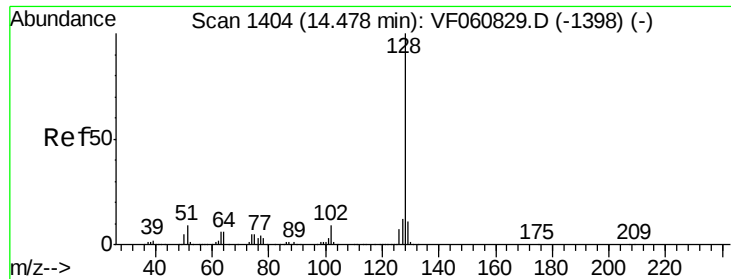
Tot Ion:105 Resp: 1696
 Ion Ratio Lower Upper
 105 100
 120 35.9 25.8 77.3



#84
 1,2,4-Trimethylbenzene
 Concen: 3.954 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061006.D
 Acq: 12 Dec 2018 20:11

Tgt Ion:105 Resp: 3653
 Ion Ratio Lower Upper
 105 100
 120 51.3 23.8 71.5





#95
 Naphthalene
 Concen: 330.296 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF061006.D
 Acq: 12 Dec 2018 20:11

Instrument :
 MSVOA_F
 ClientSampleId :
 SOILRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	11.4	9.1	13.7

