

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061950.D
 Acq On : 14 Mar 2019 20:41
 Operator : VA/AP
 Sample : K1924-01
 Misc : 5.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-SOIL-PILE-A

Quant Time: Mar 15 01:58:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

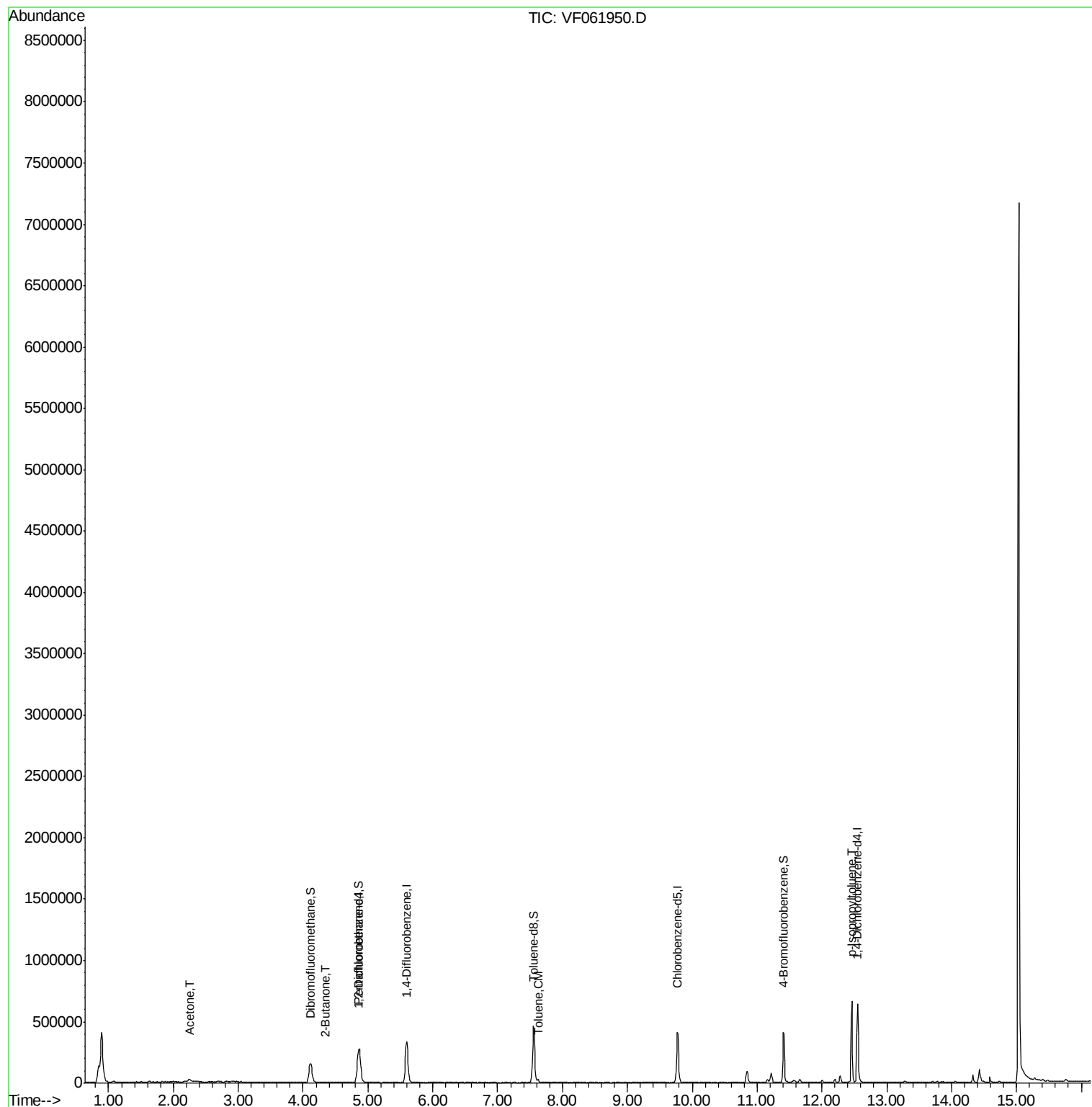
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	245184	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	417741	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	334430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	165458	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	112832	63.19	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	126.38%	
35) Dibromofluoromethane	4.11	113	166494	57.11	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.22%	
50) Toluene-d8	7.55	98	413846	47.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.41	95	166278	48.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.98%	
Target Compounds						
16) Acetone	2.25	43	34727	92.848	ug/l	95
25) 2-Butanone	4.34	43	12144	15.962	ug/l	94
52) Toluene	7.62	92	12806	2.099	ug/l	82
86) p-Isopropyltoluene	12.46	119	369023	34.353	ug/l	98

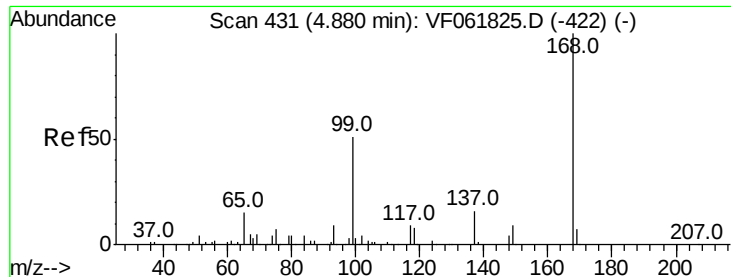
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

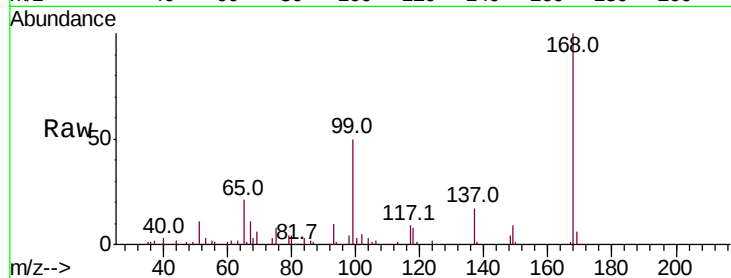
NB-SOIL-PILE-A

Tot Ion:168 Resp: 245184

Ion Ratio Lower Upper

168 100

99 49.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

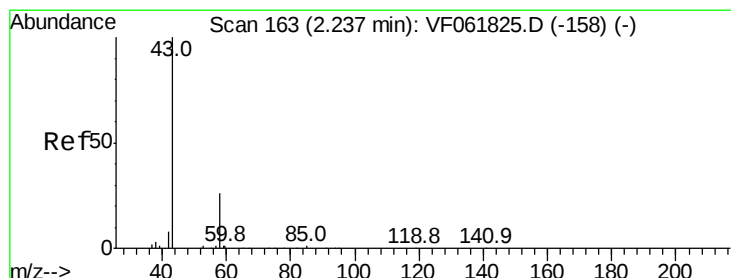
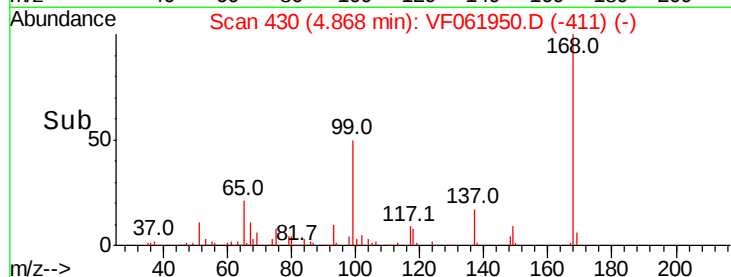
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 92.848 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061950.D

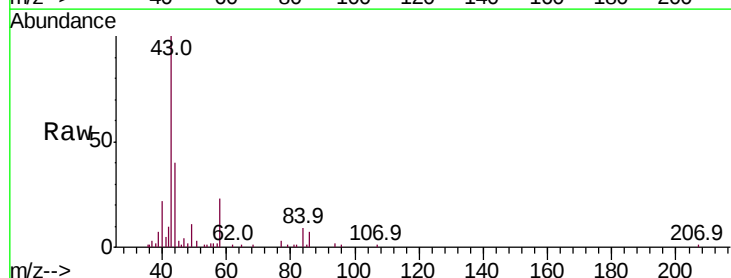
Acq: 14 Mar 2019 20:41

Tgt Ion: 43 Resp: 34727

Ion Ratio Lower Upper

43 100

58 22.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

12000

10000

8000

6000

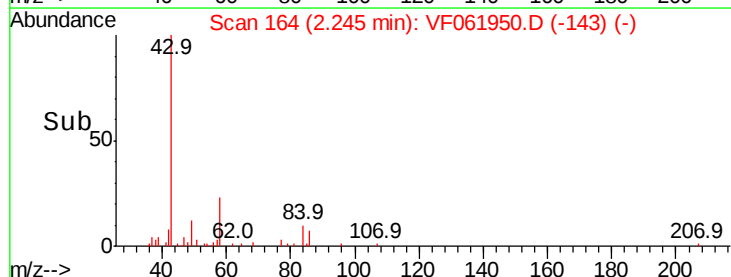
4000

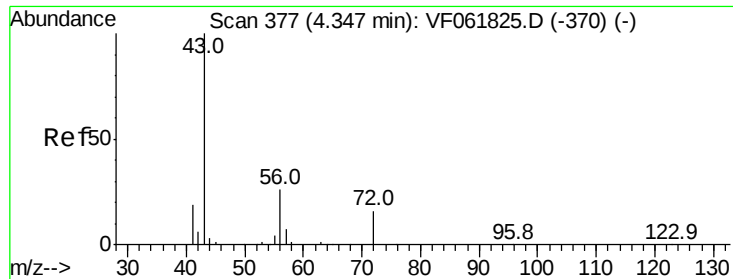
2000

0

Time-->

2.20 2.30





#25

2-Butanone

Concen: 15.962 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

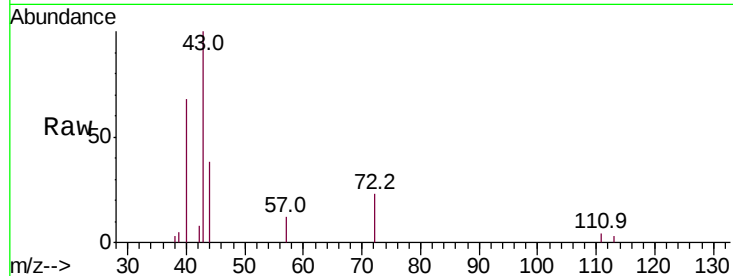
NB-SOIL-PILE-A

Tot Ion: 43 Resp: 12144

Ion Ratio Lower Upper

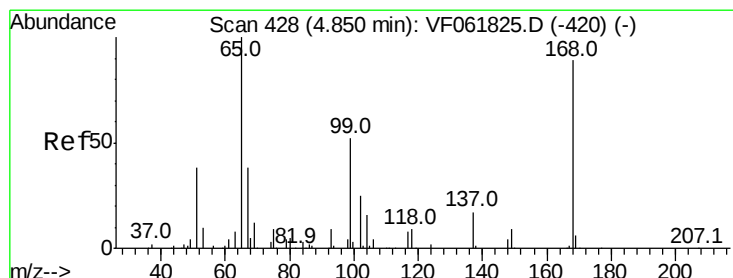
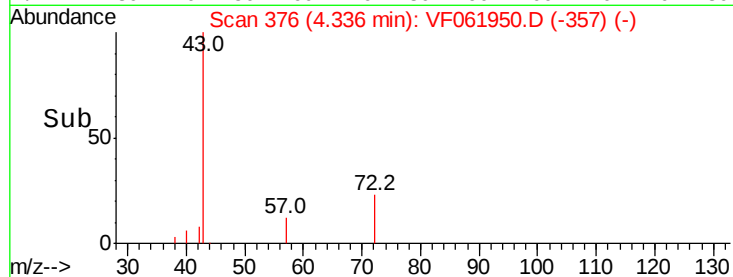
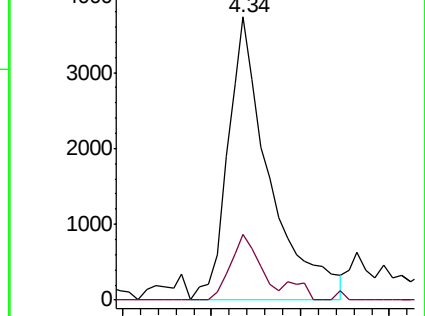
43 100

72 23.2 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 63.192 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061950.D

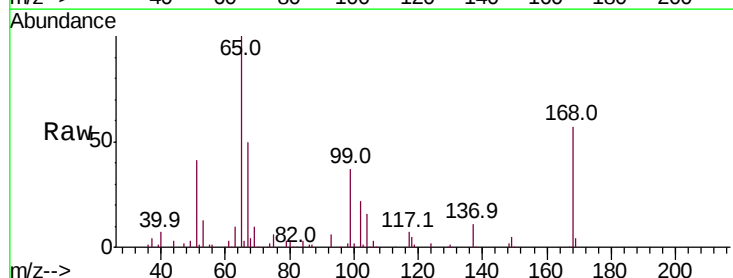
Acq: 14 Mar 2019 20:41

Tgt Ion: 65 Resp: 112832

Ion Ratio Lower Upper

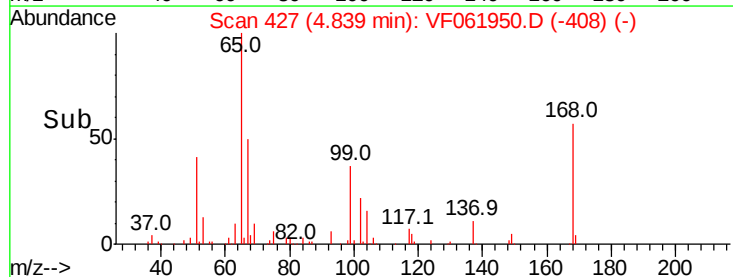
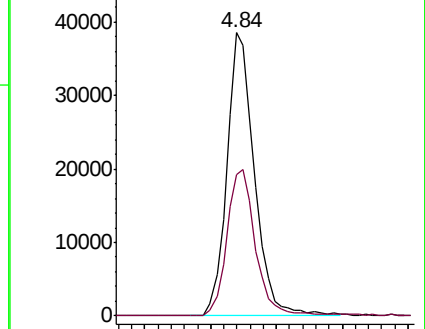
65 100

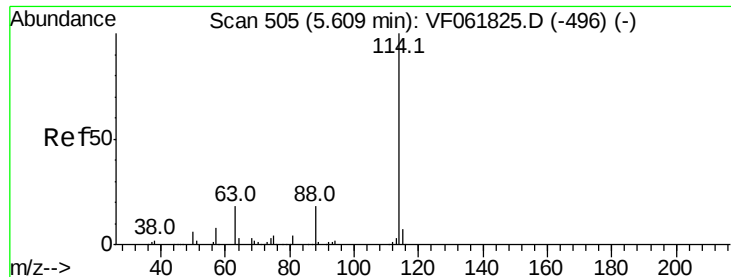
67 49.8 0.0 108.6



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: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

NB-SOIL-PILE-A

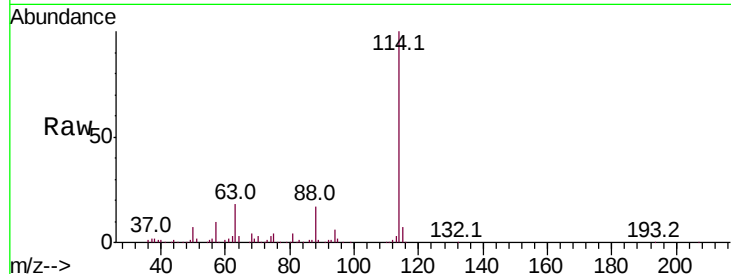
Tot Ion:114 Resp: 417741

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

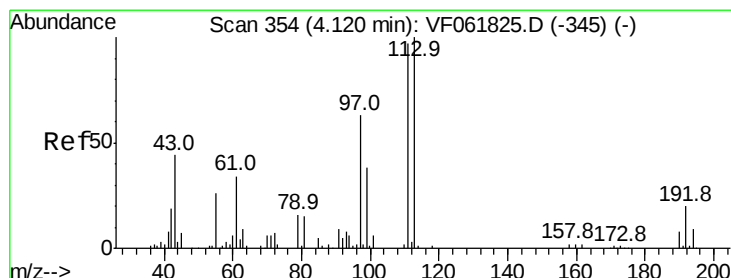
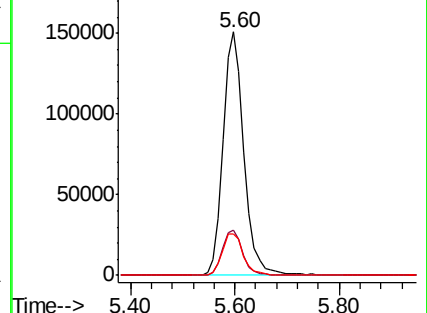
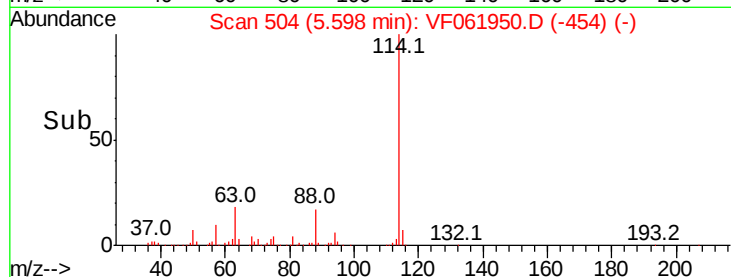
88 17.2 0.0 35.6



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: 57.111 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

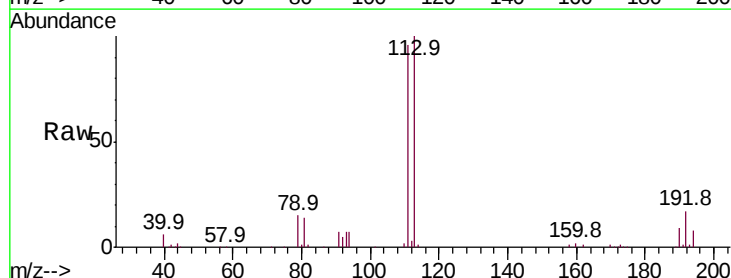
Tgt Ion:113 Resp: 166494

Ion Ratio Lower Upper

113 100

111 95.8 77.6 116.4

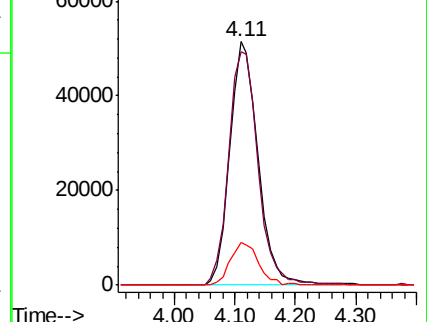
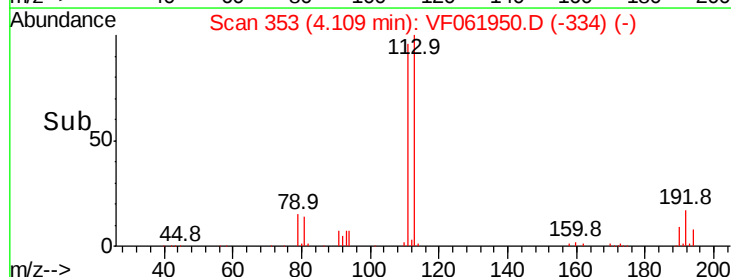
192 17.3 15.9 23.9

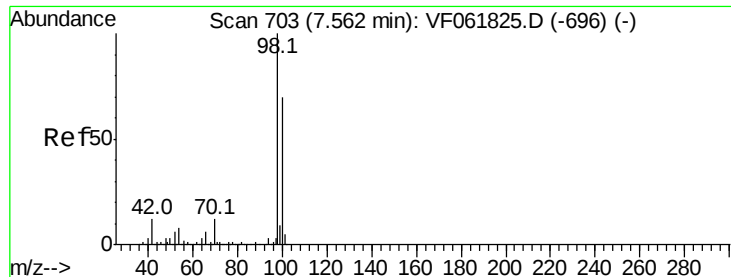


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

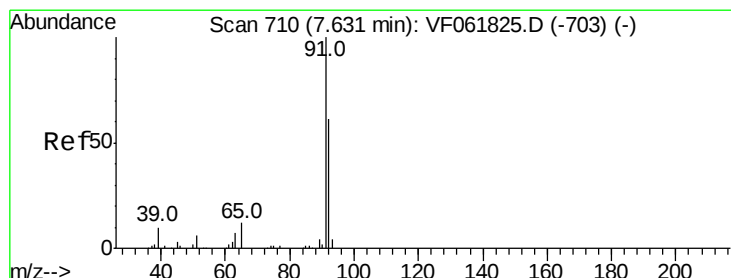
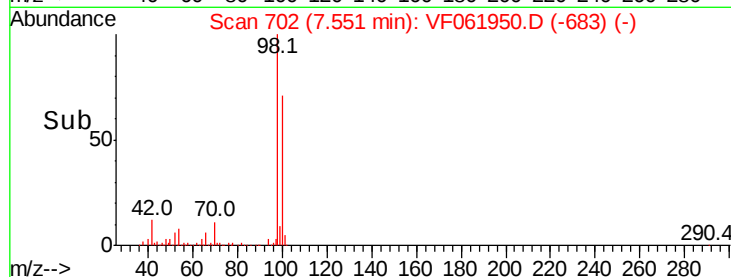
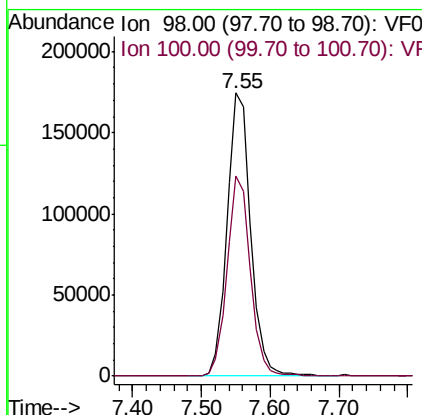
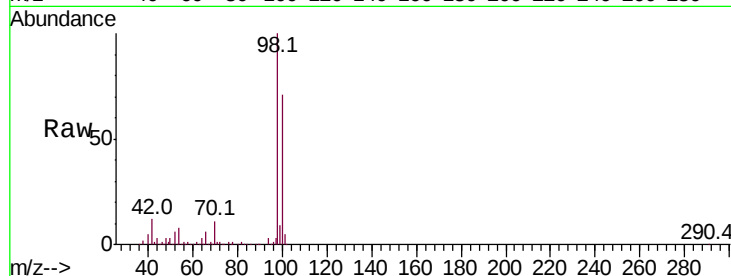




#50
Toluene-d8
Concen: 47.760 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

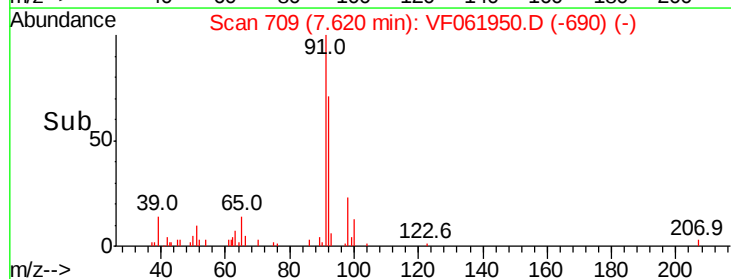
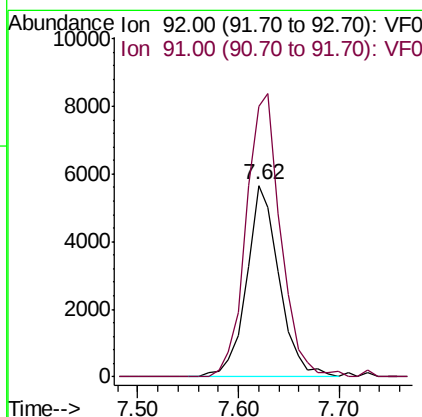
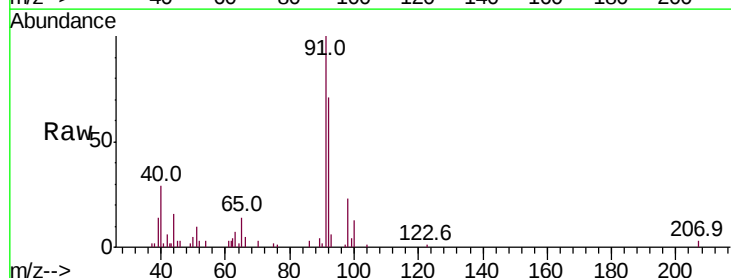
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-A

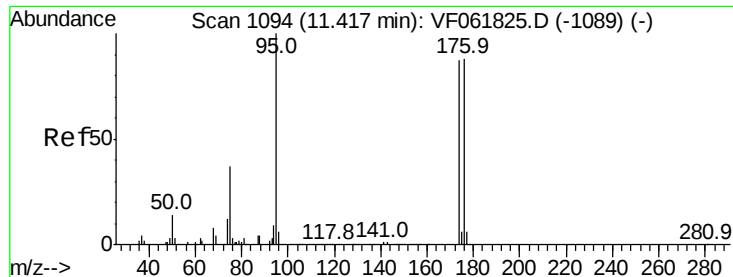
Tot Ion: 98 Resp: 413846
Ion Ratio Lower Upper
98 100
100 70.8 56.0 84.0



#52
Toluene
Concen: 2.099 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

Tgt Ion: 92 Resp: 12806
Ion Ratio Lower Upper
92 100
91 141.3 132.0 198.0





#62

4-Bromofluorobenzene

Concen: 48.987 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

NB-SOIL-PILE-A

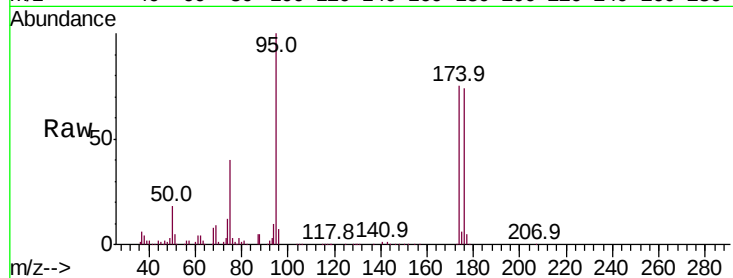
Tot Ion: 95 Resp: 166278

Ion Ratio Lower Upper

95 100

174 74.8 0.0 174.0

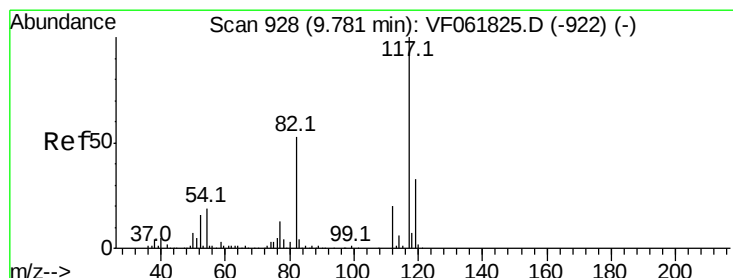
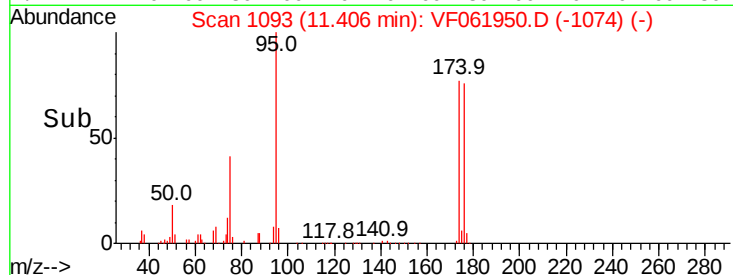
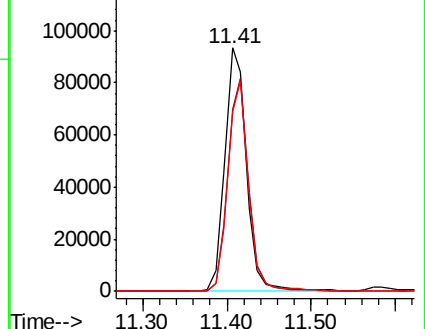
176 73.9 0.0 175.2



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: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

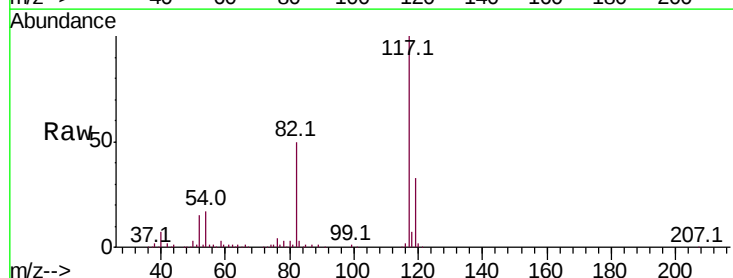
Tgt Ion: 117 Resp: 334430

Ion Ratio Lower Upper

117 100

82 49.8 42.6 63.8

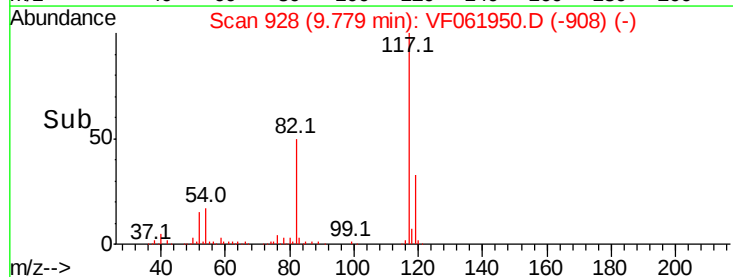
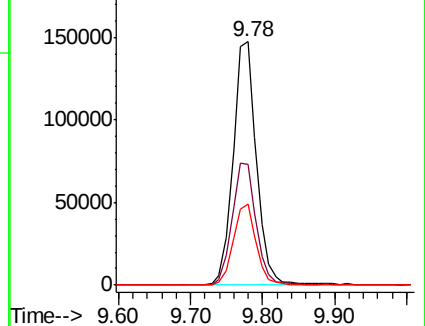
119 33.3 26.0 39.0

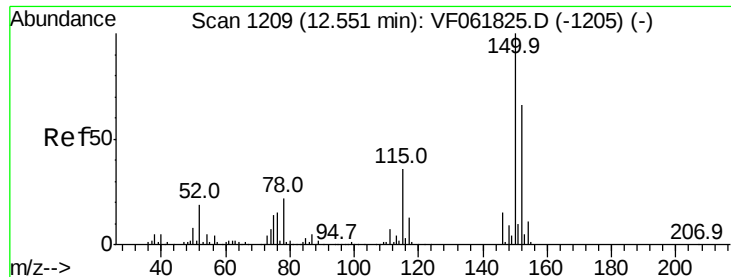


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

Instrument :

MSVOA_F

ClientSampled :

NB-SOIL-PILE-A

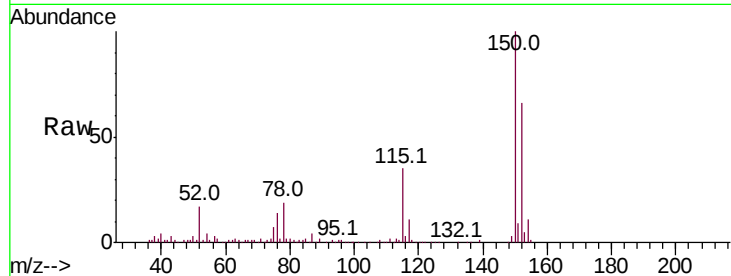
Tot Ion:152 Resp: 165458

Ion Ratio Lower Upper

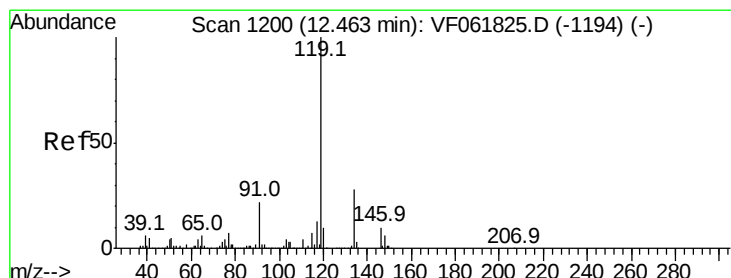
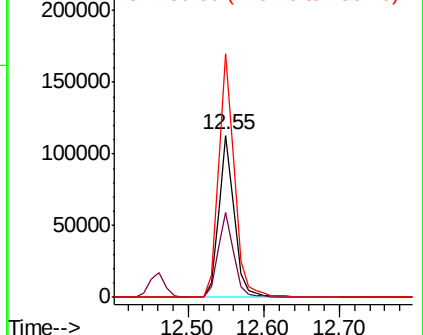
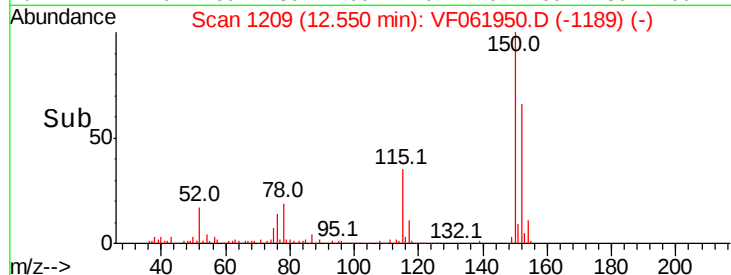
152 100

115 52.2 27.7 83.1

150 150.5 0.0 304.2



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



#86

p-Isopropyltoluene

Concen: 34.353 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

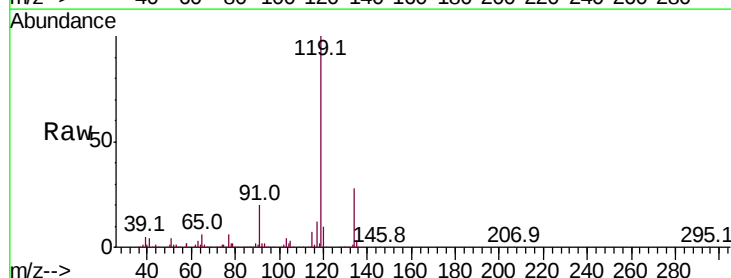
Tgt Ion:119 Resp: 369023

Ion Ratio Lower Upper

119 100

134 28.0 14.0 42.0

91 20.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

