

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061951.D
 Acq On : 14 Mar 2019 21:09
 Operator : VA/AP
 Sample : K1924-03
 Misc : 5.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Mar 15 01:20:14 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	280713	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	410016	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	387016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	211398	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	120944	59.16	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	118.32%	
35) Dibromofluoromethane	4.12	113	168506	58.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.78%	
50) Toluene-d8	7.55	98	452242	53.17	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	11.41	95	197142	59.17	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	118.34%	

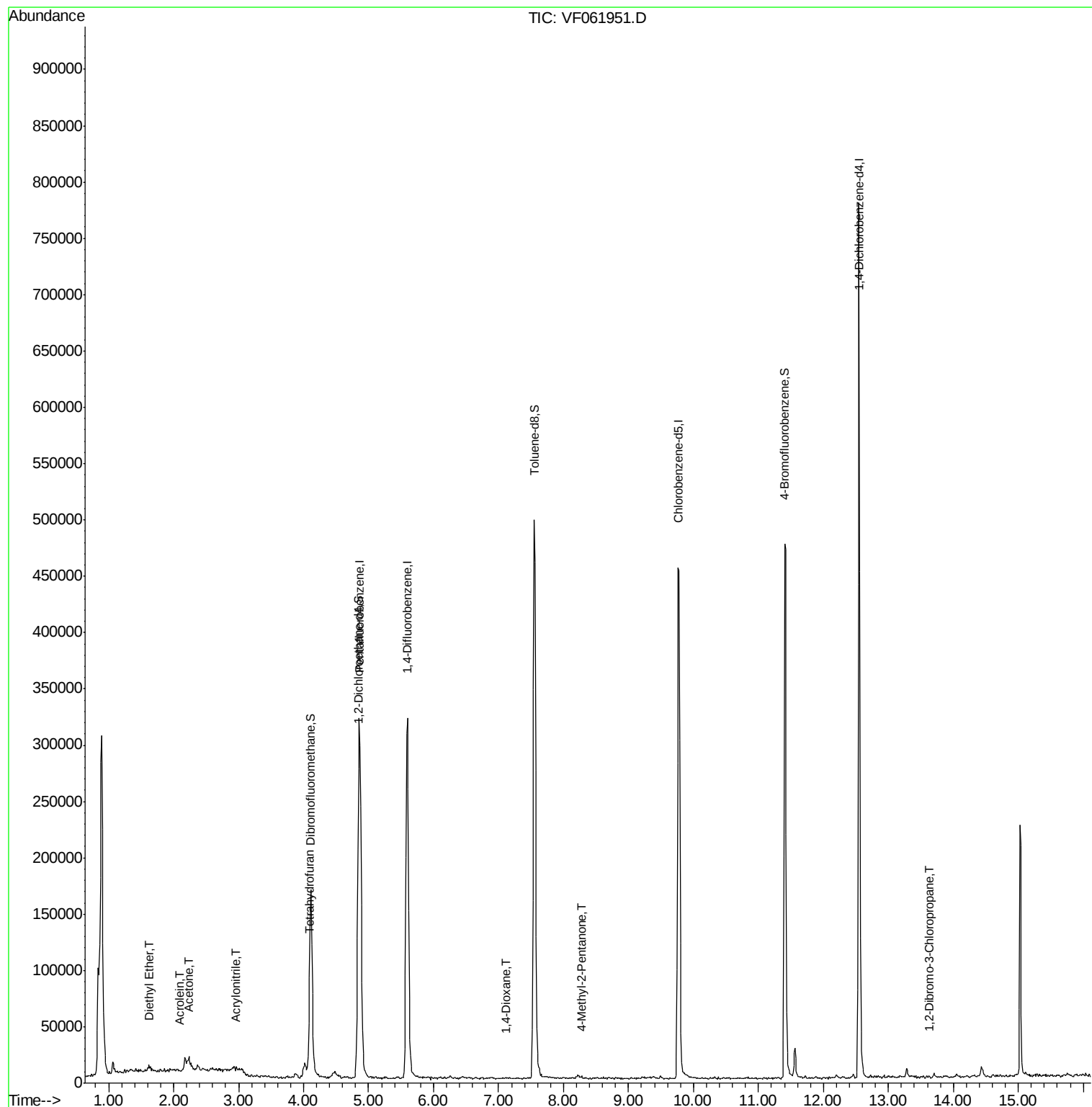
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1426	1.619	ug/l	53
13) Acrolein	2.10	56	259	1.762	ug/l	90
15) Acrylonitrile	2.96	53	415	1.123	ug/l #	29
16) Acetone	2.23	43	6435	15.027	ug/l	90
18) Methyl Acetate	2.37	43	3429	Below Cal	#	62
20) Methylene Chloride	2.18	84	6375	Below Cal		97
29) Tetrahydrofuran	4.08	42	1690	4.499	ug/l #	74
49) 1,4-Dioxane	7.12	88	63	5.434	ug/l #	26
51) 4-Methyl-2-Pentanone	8.28	43	1439	1.039	ug/l #	72
92) 1,2-Dibromo-3-Chloropropan	13.62	75	63	3.906	ug/l #	1

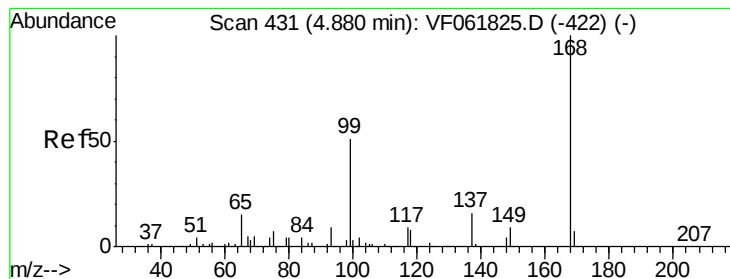
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031419\
Data File : VF061951.D
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Quant Time: Mar 15 01:20:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
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: VF061951.D

Acq: 14 Mar 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

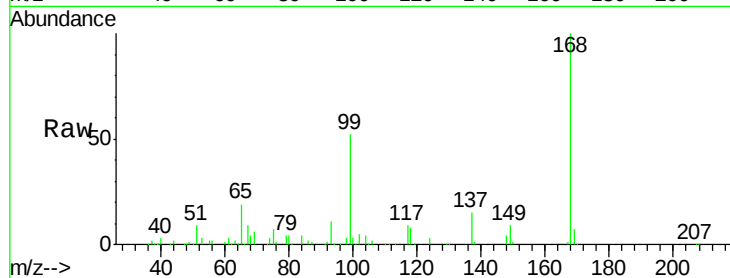
NB-SOIL-PILE-B

Tot Ion:168 Resp: 280713

Ion Ratio Lower Upper

168 100

99 51.7 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

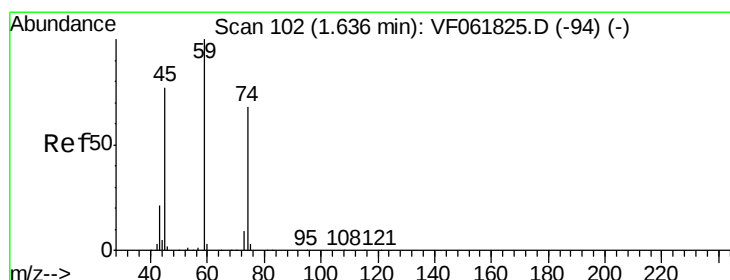
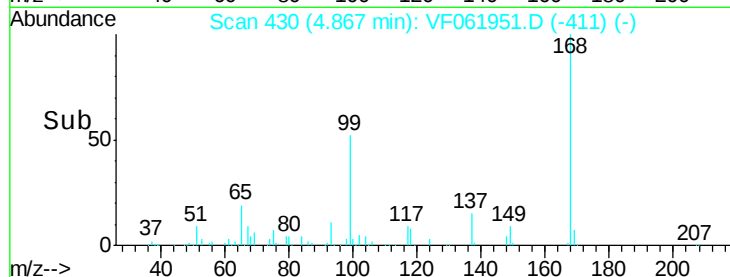
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.619 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061951.D

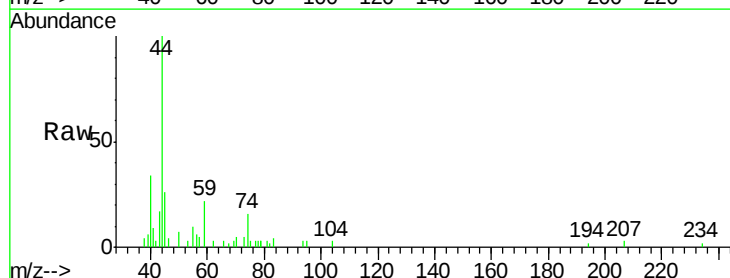
Acq: 14 Mar 2019 21:09

Tgt Ion: 74 Resp: 1426

Ion Ratio Lower Upper

74 100

45 164.8 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1500

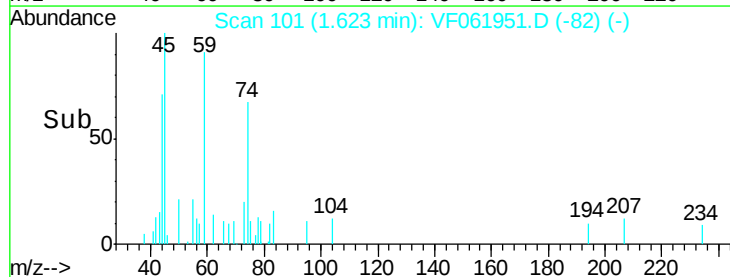
1000

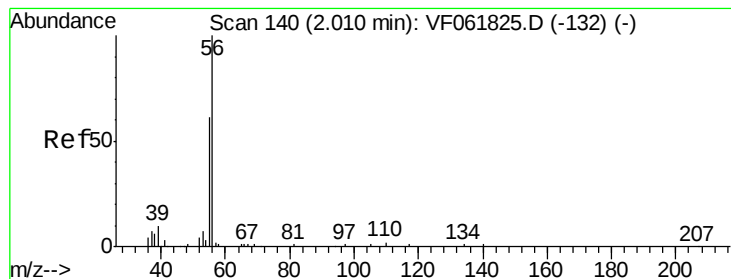
500

0

Time-->

1.55 1.60 1.65 1.70





#13

Acrolein

Concen: 1.762 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.09 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

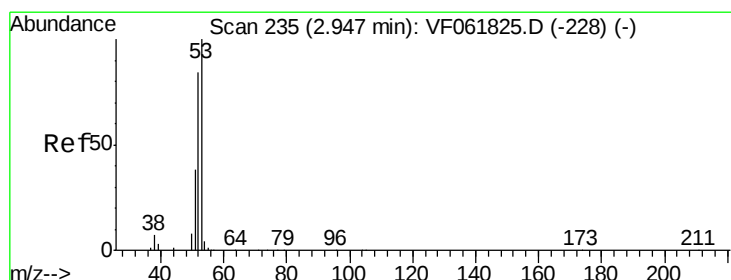
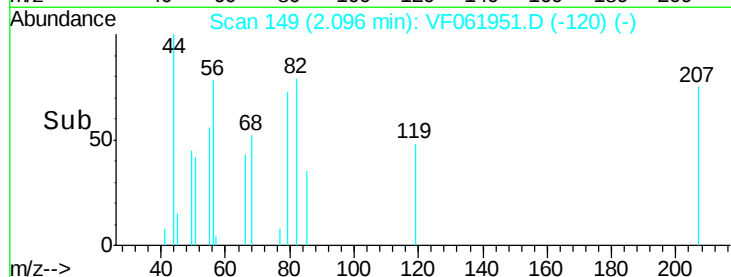
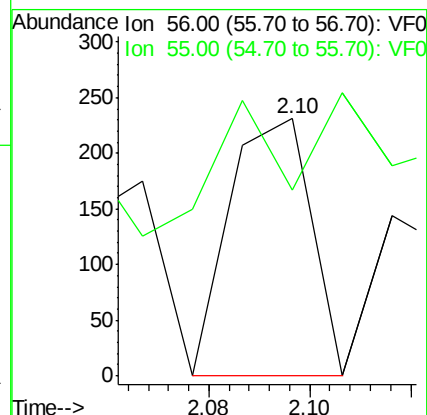
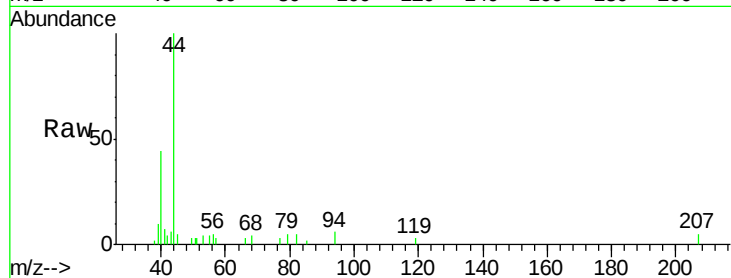
NB-SOIL-PILE-B

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

56 100

55 72.3 51.3 76.9



#15

Acrylonitrile

Concen: 1.123 ug/l

RT: 2.96 min Scan# 237

Delta R.T. 0.02 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

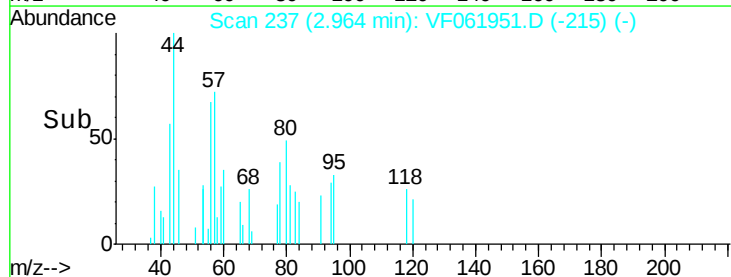
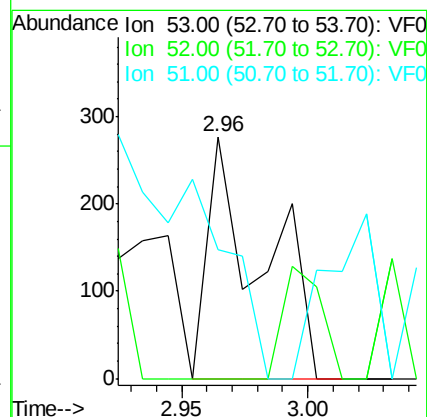
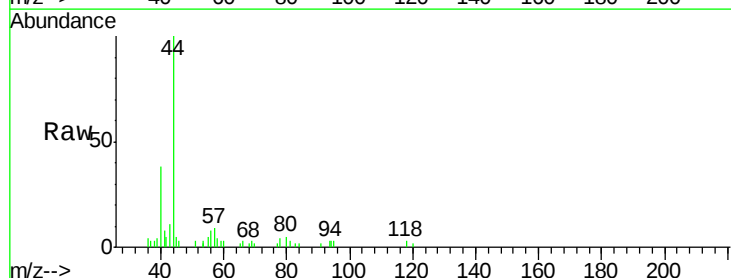
Tgt Ion: 53 Resp: 415

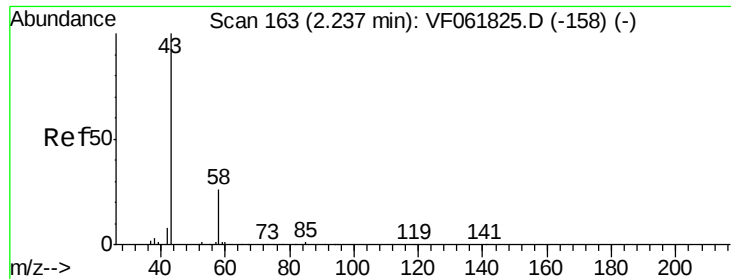
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 53.1 30.7 46.1#





#16

Acetone

Concen: 15.027 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

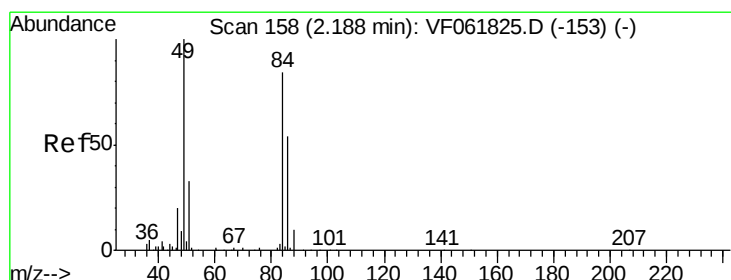
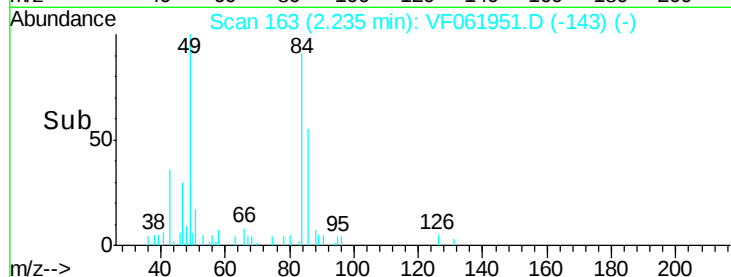
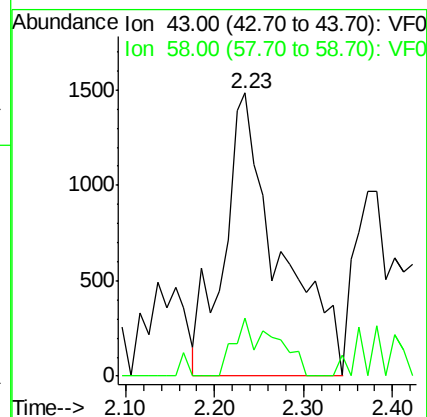
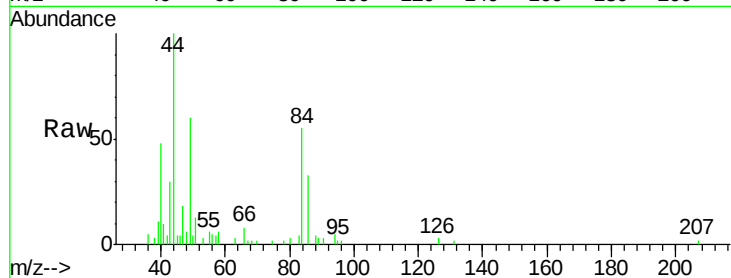
NB-SOIL-PILE-B

Tot Ion: 43 Resp: 6435

Ion Ratio Lower Upper

43 100

58 20.4 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

Tgt Ion: 84 Resp: 6375

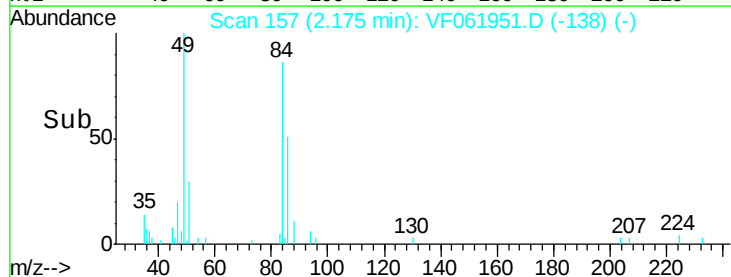
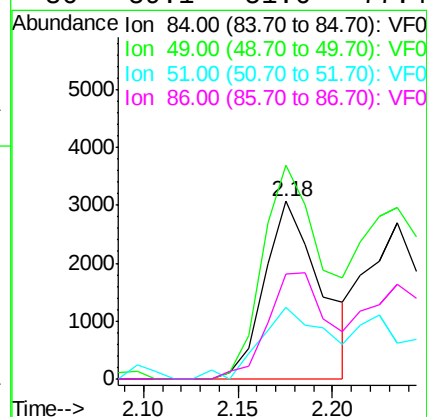
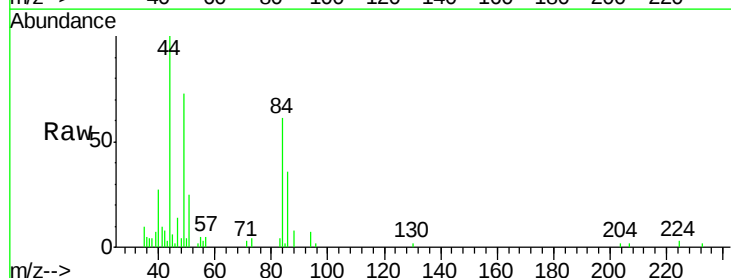
Ion Ratio Lower Upper

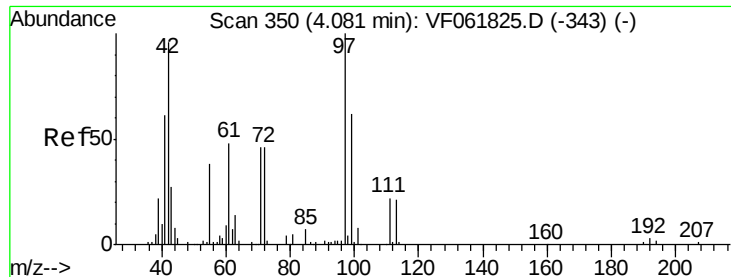
84 100

49 120.1 96.8 145.2

51 40.4 31.8 47.6

86 59.1 51.6 77.4

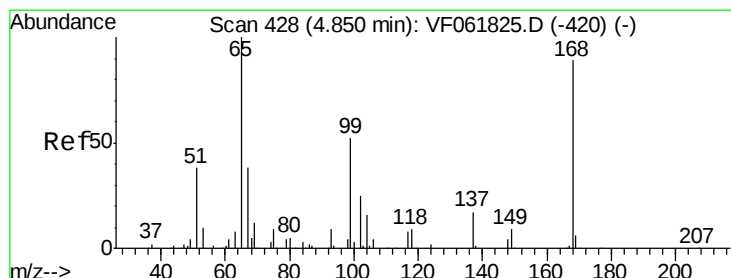
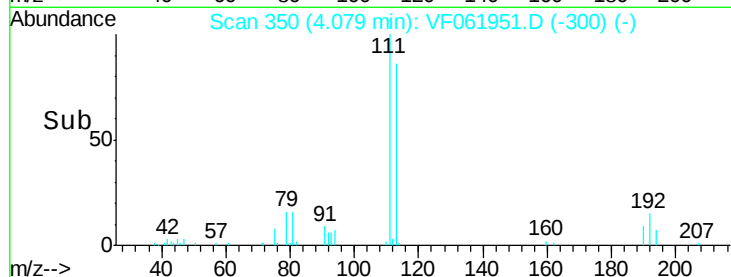
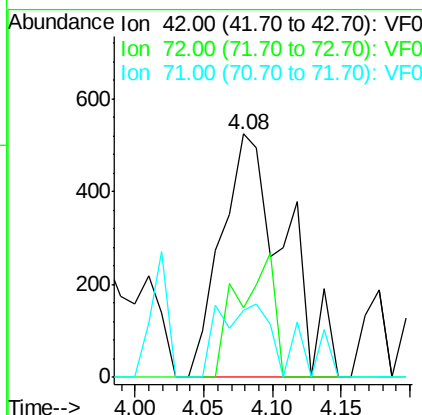
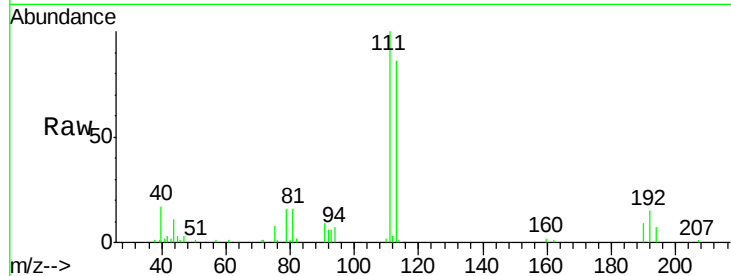




#29
Tetrahydrofuran
Concen: 4.499 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061951.D
Acq: 14 Mar 2019 21:09

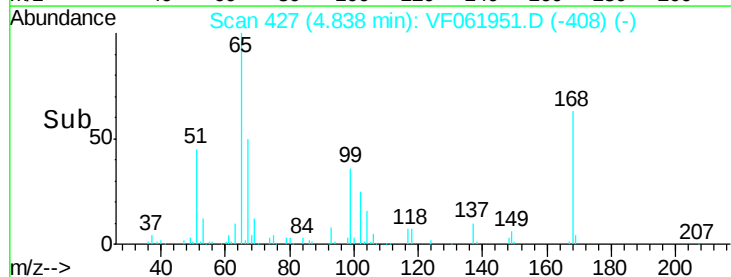
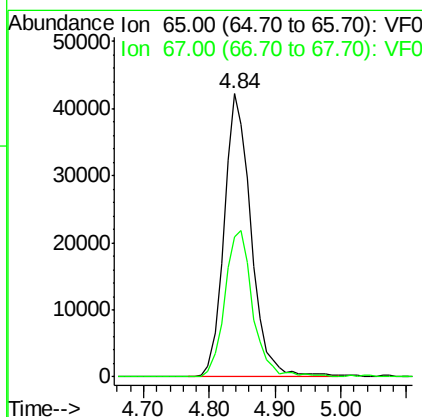
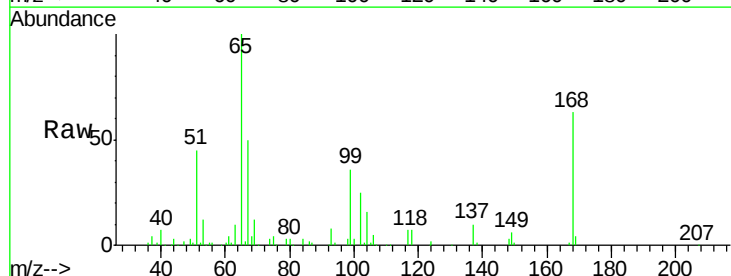
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-B

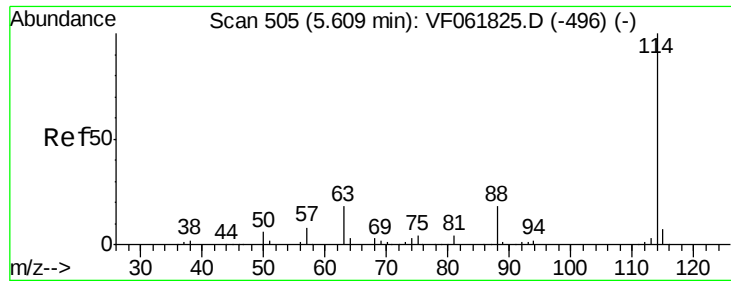
Tot Ion: 42 Resp: 1690
Ion Ratio Lower Upper
42 100
72 28.8 34.4 51.6#
71 23.7 34.6 52.0#



#33
1,2-Dichloroethane-d4
Concen: 59.162 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061951.D
Acq: 14 Mar 2019 21:09

Tgt Ion: 65 Resp: 120944
Ion Ratio Lower Upper
65 100
67 49.5 0.0 108.6

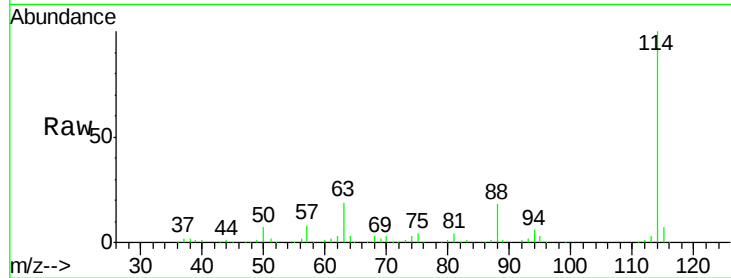




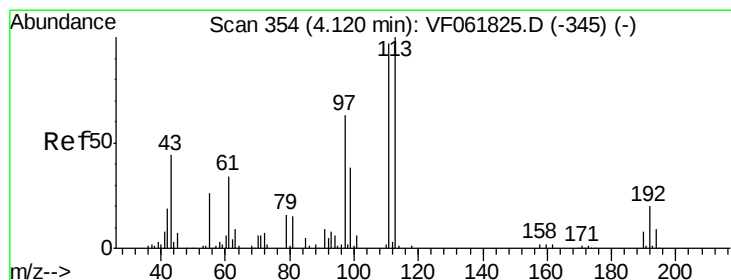
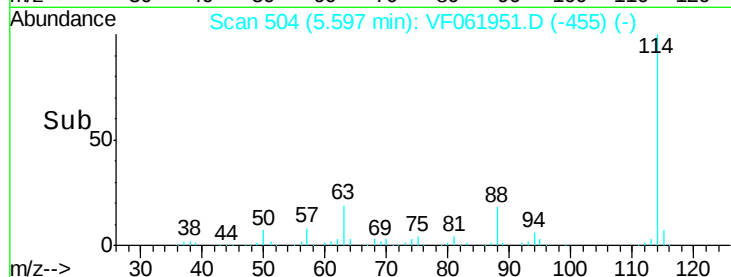
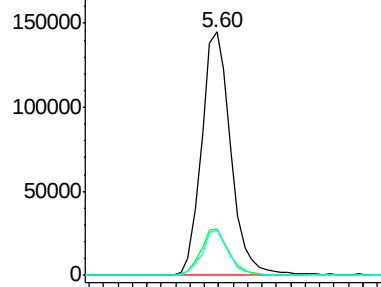
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF061951.D
Acq: 14 Mar 2019 21:09

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

Tot Ion:114 Resp: 410016
Ion Ratio Lower Upper
114 100
63 18.9 0.0 35.6
88 18.3 0.0 35.6

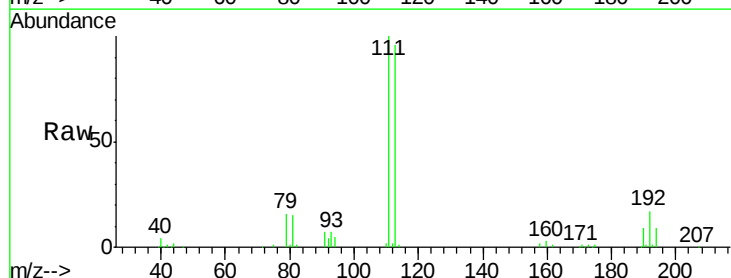


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

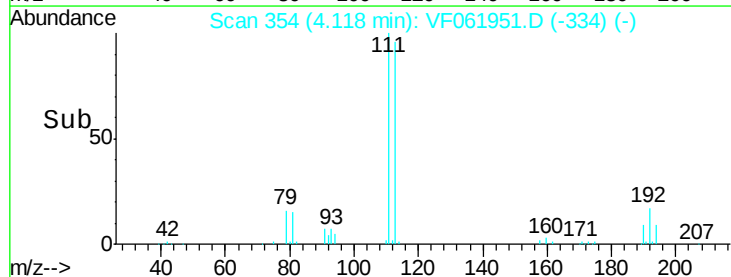
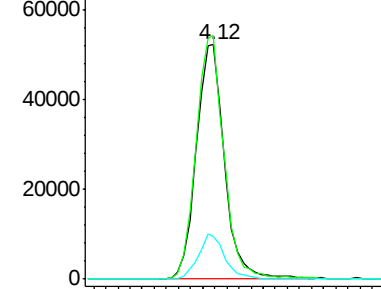


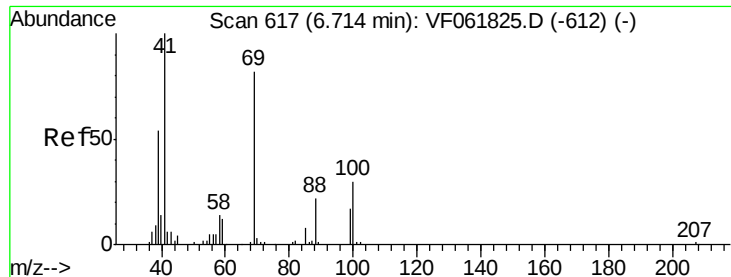
#35
Dibromofluoromethane
Concen: 58.890 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF061951.D
Acq: 14 Mar 2019 21:09

Tgt Ion:113 Resp: 168506
Ion Ratio Lower Upper
113 100
111 104.0 77.6 116.4
192 18.2 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





#49

1,4-Dioxane

Concen: 5.434 ug/l

RT: 7.12 min Scan# 658

Delta R.T. 0.40 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

NB-SOIL-PILE-B

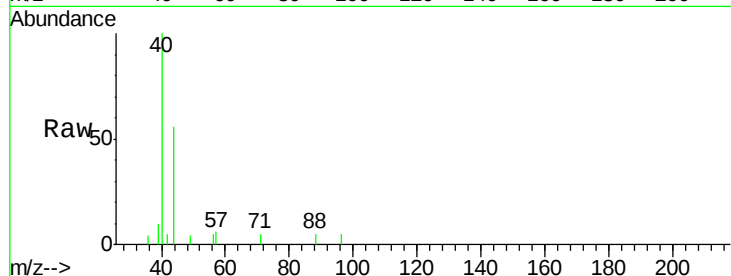
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 28.4 42.6#

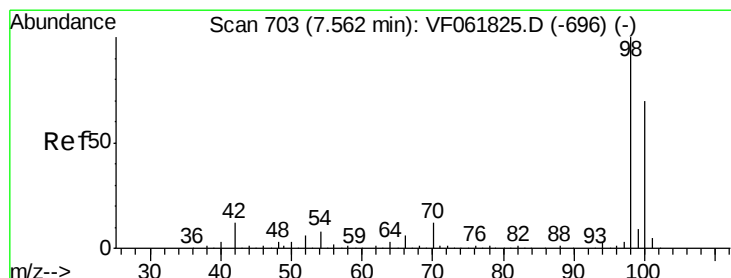
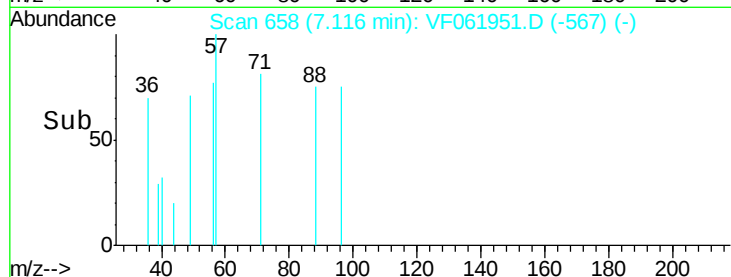
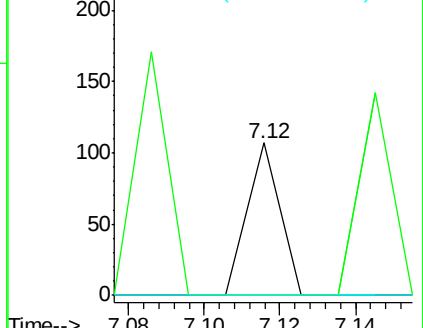
58 0.0 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.175 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061951.D

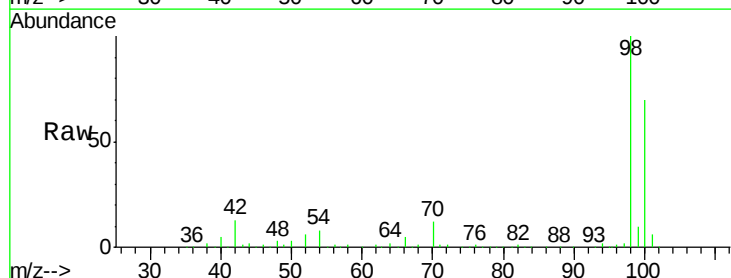
Acq: 14 Mar 2019 21:09

Tgt Ion: 98 Resp: 452242

Ion Ratio Lower Upper

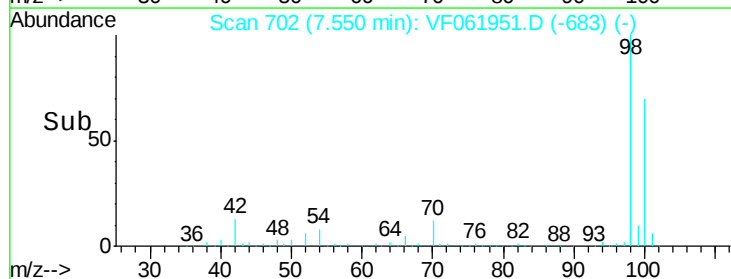
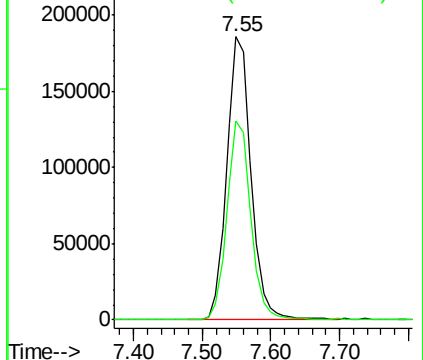
98 100

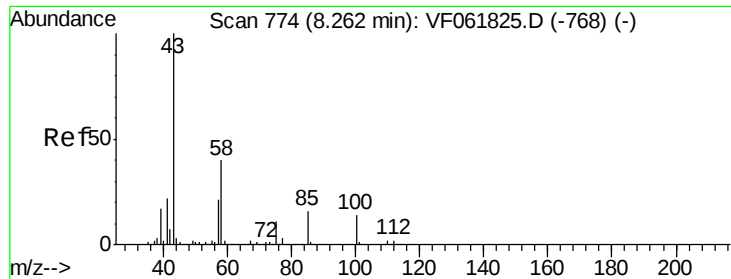
100 70.1 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.039 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

Instrument :

MSVOA_F

ClientSampleID :

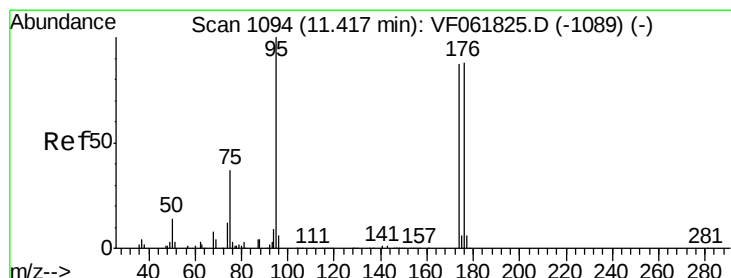
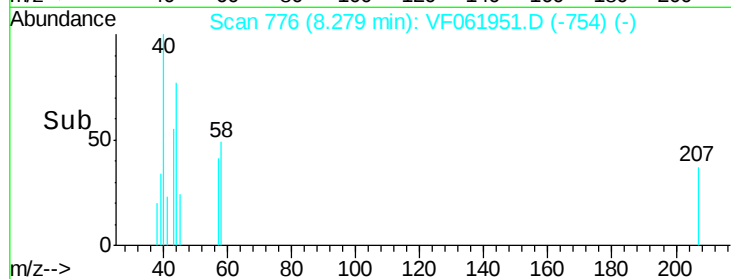
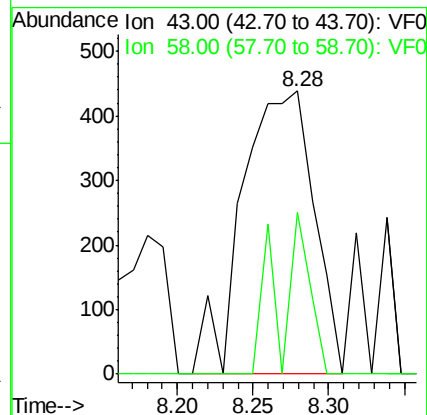
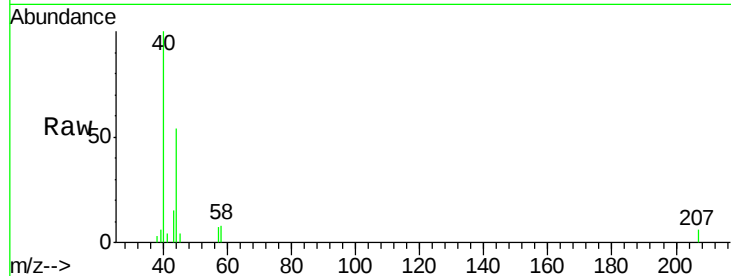
NB-SOIL-PILE-B

Tot Ion: 43 Resp: 1439

Ion Ratio Lower Upper

43 100

58 57.1 31.8 47.8#



#62

4-Bromofluorobenzene

Concen: 59.174 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

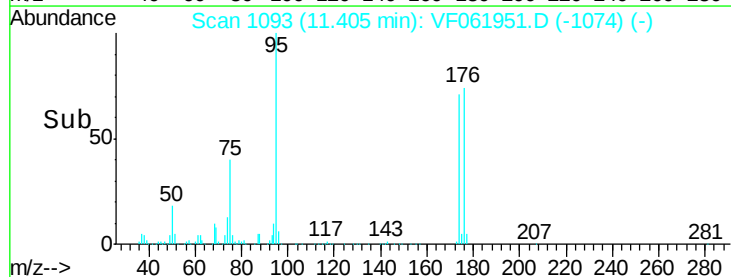
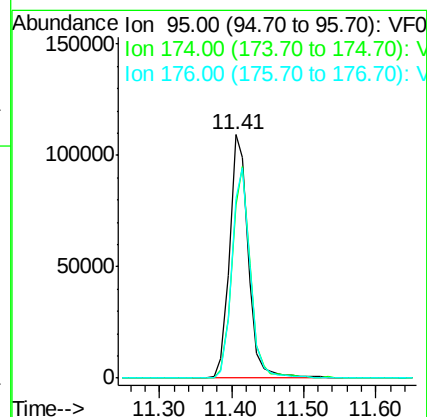
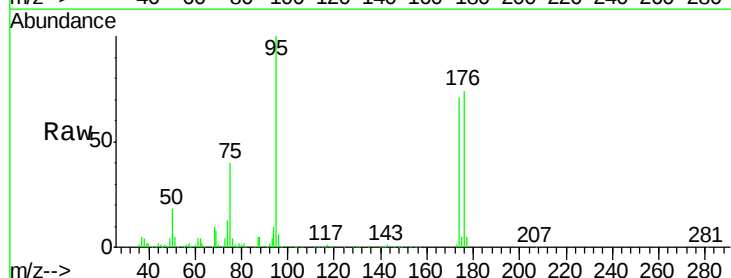
Tgt Ion: 95 Resp: 197142

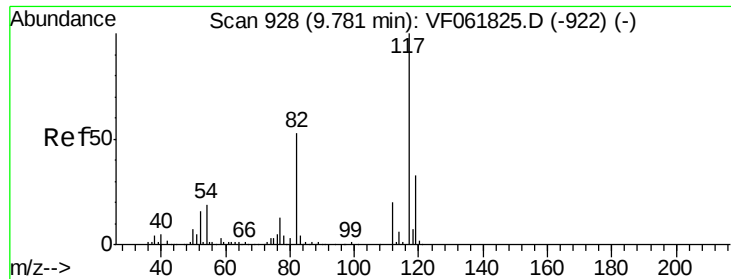
Ion Ratio Lower Upper

95 100

174 71.4 0.0 174.0

176 73.6 0.0 175.2

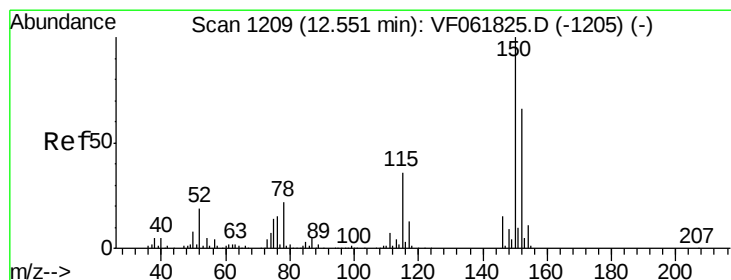
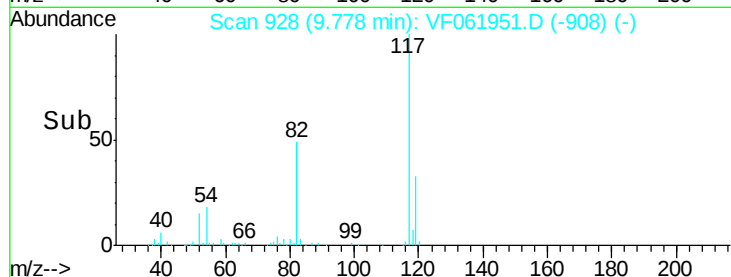
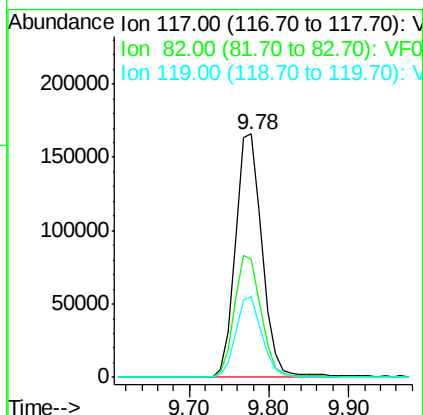
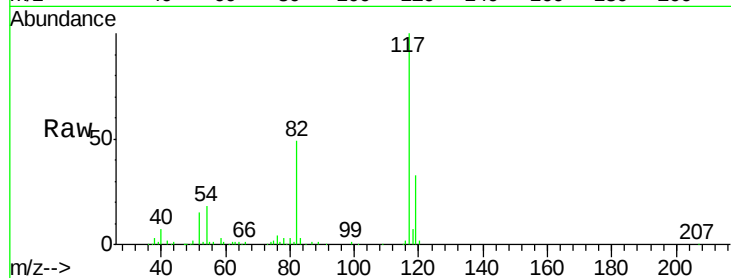




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061951.D
Acq: 14 Mar 2019 21:09

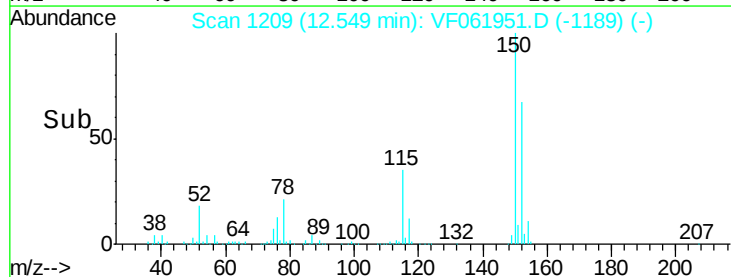
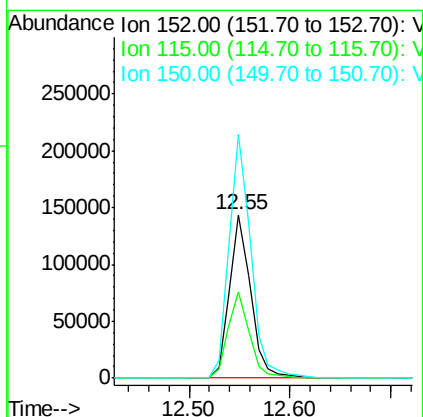
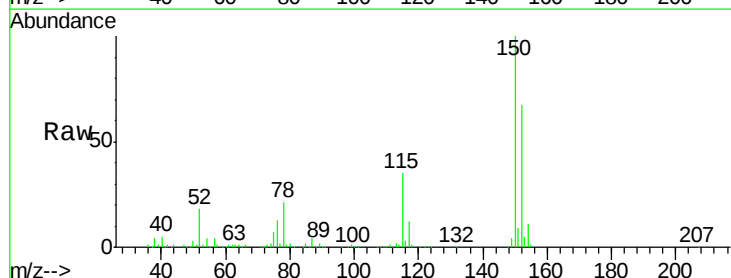
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-B

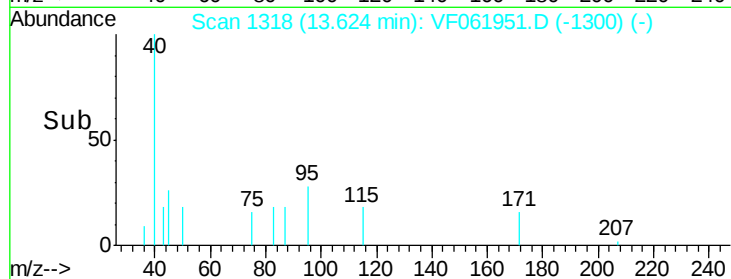
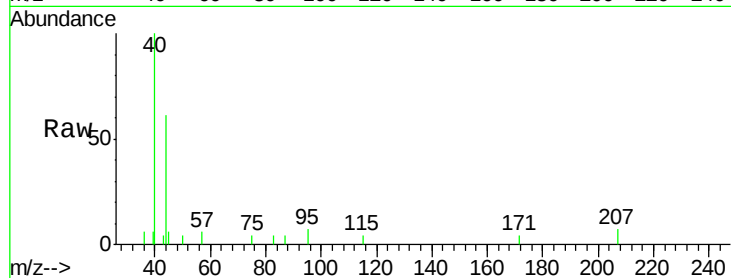
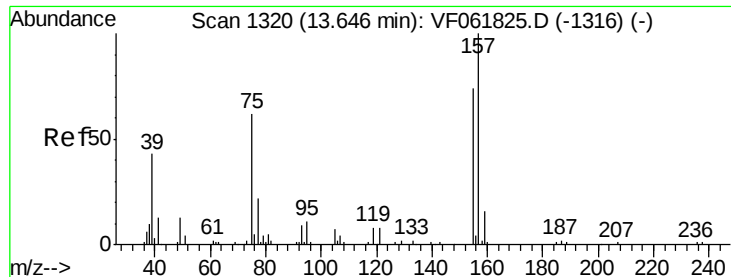
Tot Ion:117 Resp: 387016
Ion Ratio Lower Upper
117 100
82 48.7 42.6 63.8
119 33.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061951.D
Acq: 14 Mar 2019 21:09

Tgt Ion:152 Resp: 211398
Ion Ratio Lower Upper
152 100
115 52.4 27.7 83.1
150 149.1 0.0 304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.906 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061951.D

Acq: 14 Mar 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

NB-SOIL-PILE-B

Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

