

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 01:19:58 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	112832	63.19	ug/l	-0.01
Spiked Amount			Recovery	=	126.38%	
35) Dibromofluoromethane	4.11	113	166494	57.11	ug/l	-0.01
Spiked Amount			Recovery	=	114.22%	
50) Toluene-d8	7.55	98	413846	47.76	ug/l	-0.01
Spiked Amount			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.41	95	166278	48.99	ug/l	-0.01
Spiked Amount			Recovery	=	97.98%	

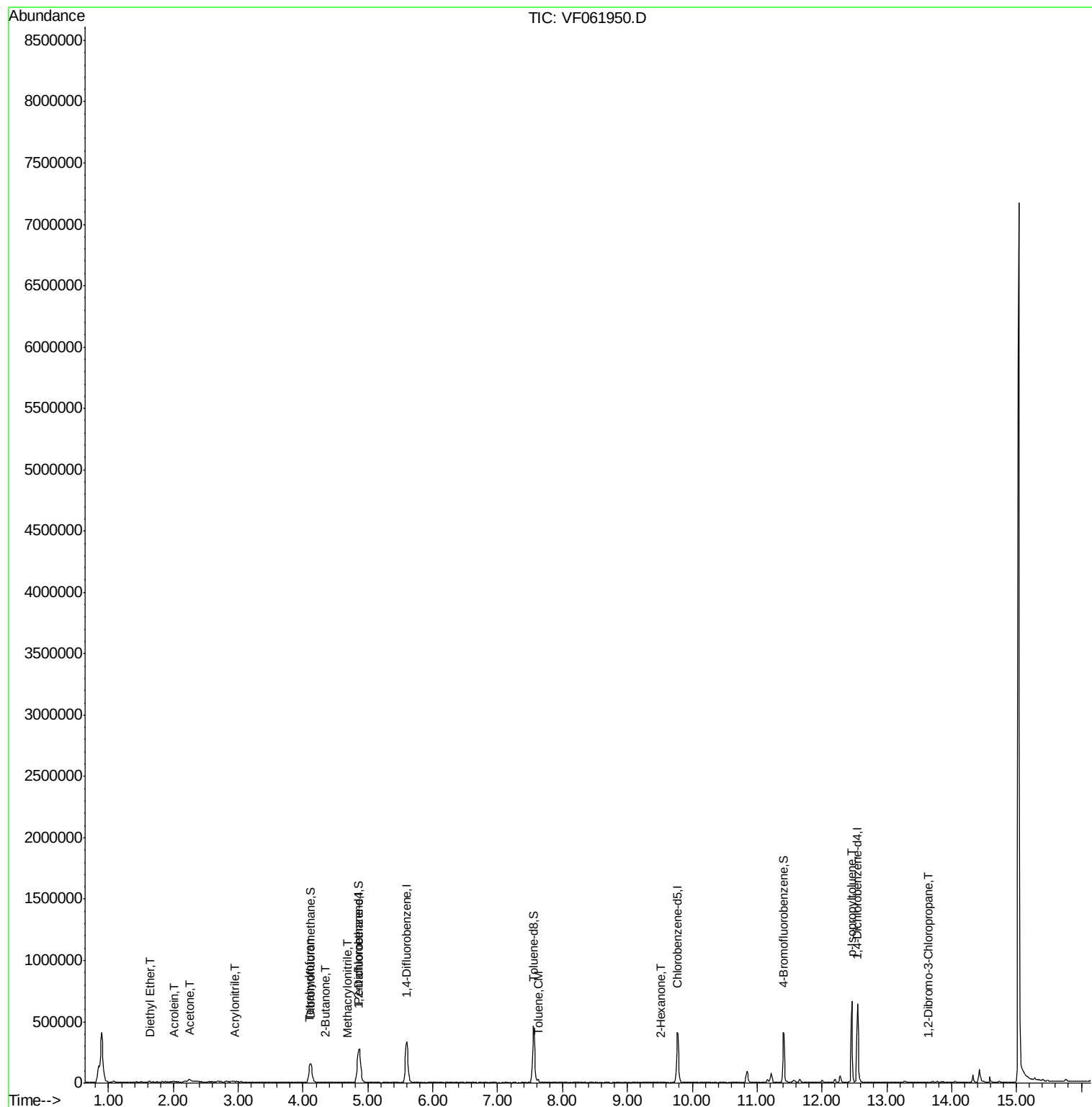
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	927	1.205	ug/l	99
13) Acrolein	2.01	56	827	6.440	ug/l #	52
15) Acrylonitrile	2.95	53	393	1.218	ug/l #	23
16) Acetone	2.25	43	34727	92.848	ug/l	95
18) Methyl Acetate	2.38	43	2703	Below Cal	#	62
20) Methylene Chloride	2.26	84	5335	Below Cal		90
25) 2-Butanone	4.34	43	12144	15.962	ug/l	94
29) Tetrahydrofuran	4.09	42	1293	3.941	ug/l #	48
41) Methacrylonitrile	4.69	41	1128	1.243	ug/l #	40
52) Toluene	7.62	92	12806	2.099	ug/l	82
59) 2-Hexanone	9.50	43	1415	1.390	ug/l #	22
86) p-Isopropyltoluene	12.46	119	369023	34.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	122	4.111	ug/l #	1

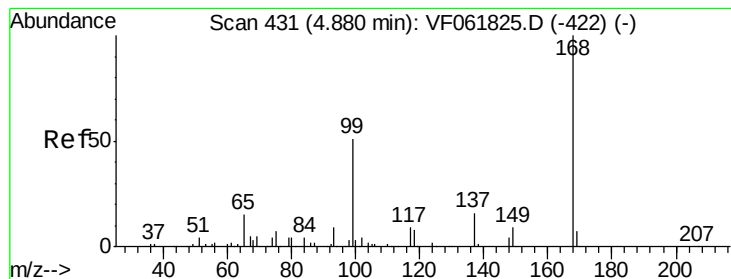
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031419\
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Quant Time: Mar 15 01:19:58 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: VF061950.D

Acq: 14 Mar 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

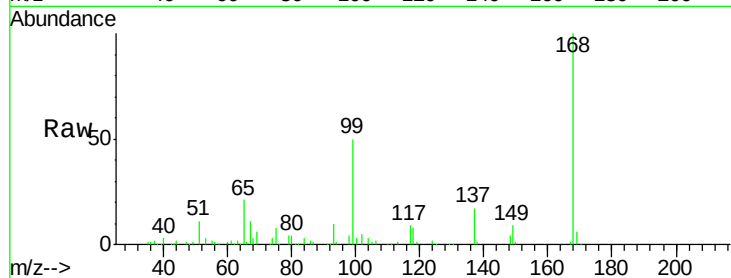
NB-SOIL-PILE-A

Tot Ion:168 Resp: 245184

Ion Ratio Lower Upper

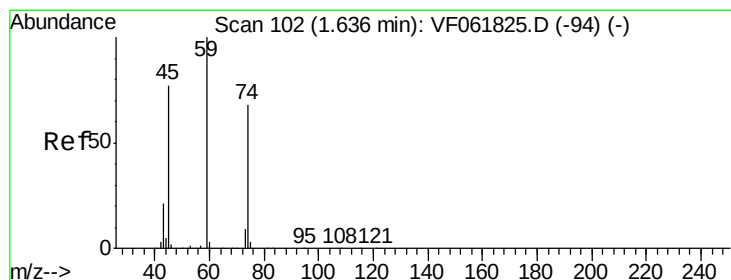
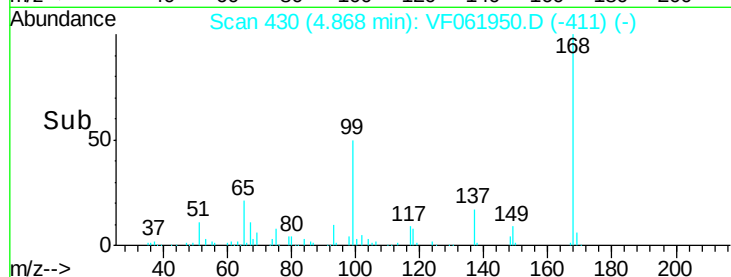
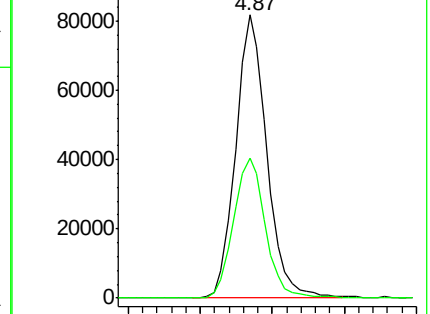
168 100

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



#8

Diethyl Ether

Concen: 1.205 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061950.D

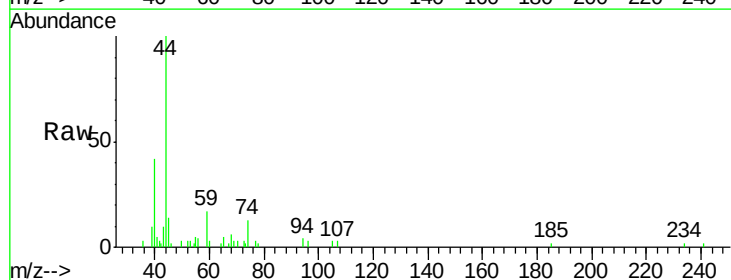
Acq: 14 Mar 2019 20:41

Tgt Ion: 74 Resp: 927

Ion Ratio Lower Upper

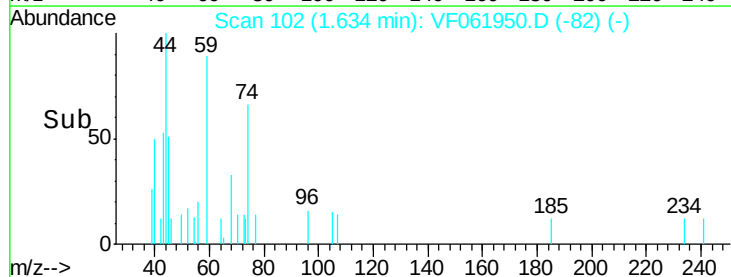
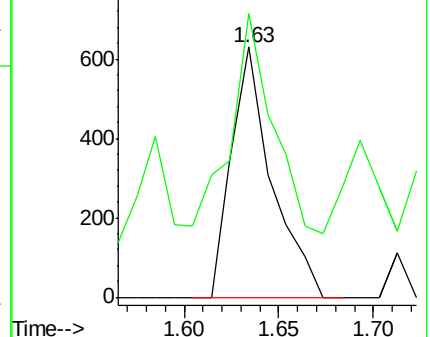
74 100

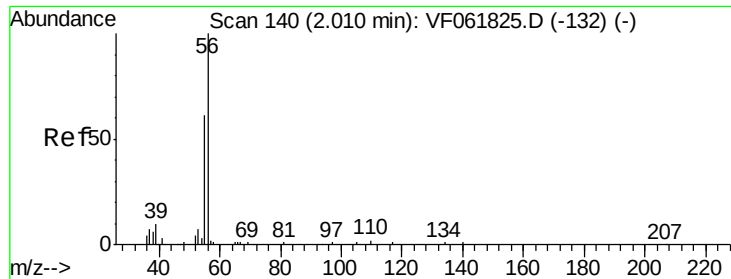
45 113.2 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

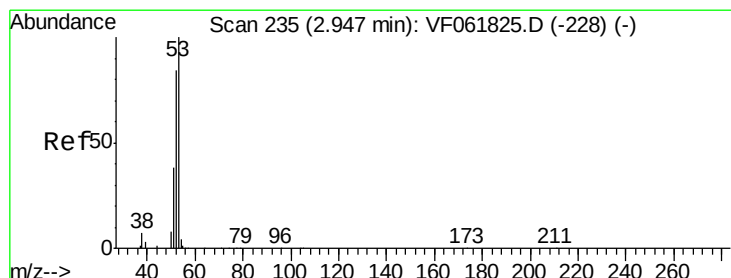
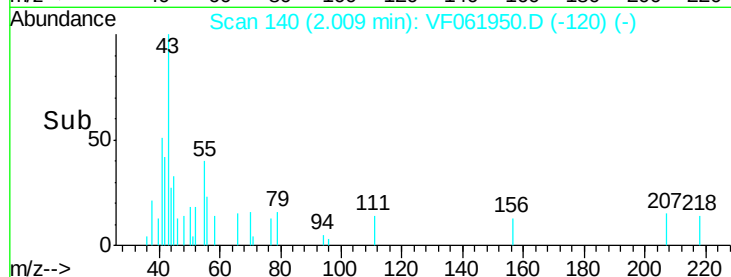
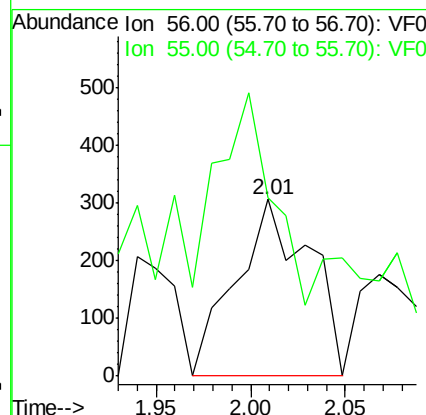
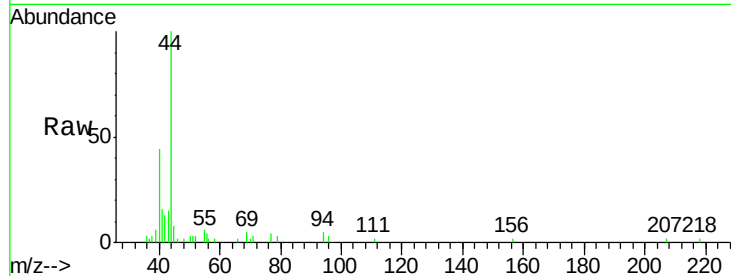




#13
Acrolein
Concen: 6.440 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

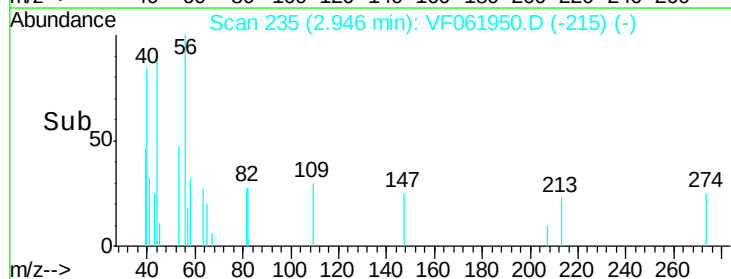
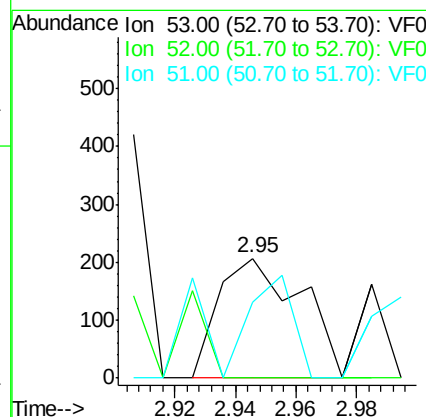
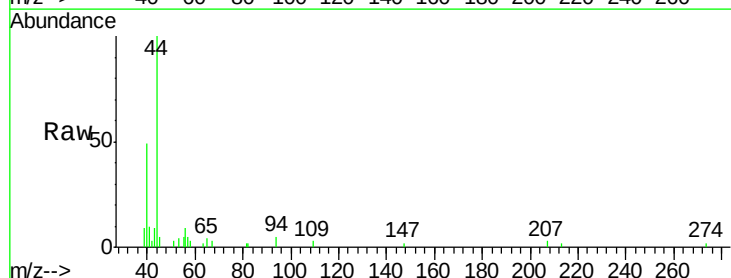
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-A

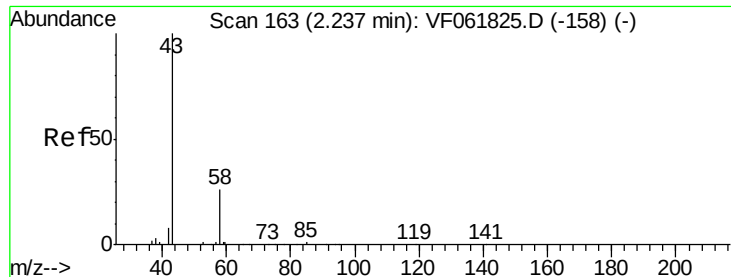
Tot Ion: 56 Resp: 827
Ion Ratio Lower Upper
56 100
55 101.3 51.3 76.9#



#15
Acrylonitrile
Concen: 1.218 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.00 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

Tgt Ion: 53 Resp: 393
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 63.3 30.7 46.1#





#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

Instrument :

MSVOA_F

ClientSampleId :

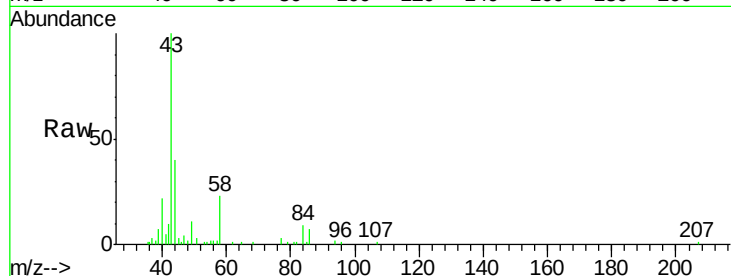
NB-SOIL-PILE-A

Tot Ion: 43 Resp: 34727

Ion Ratio Lower Upper

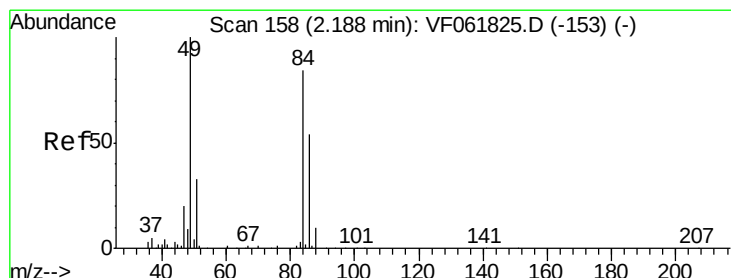
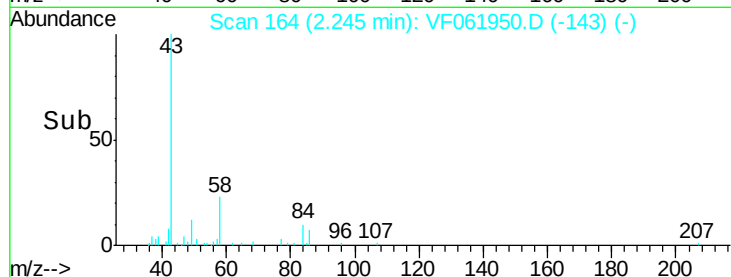
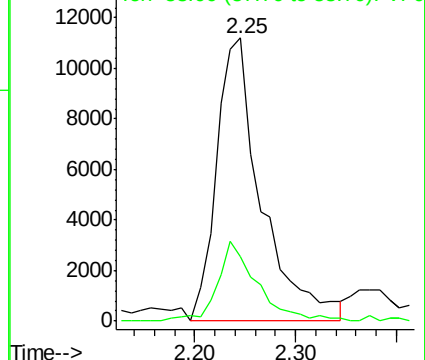
43 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 2.26 min Scan# 165

Delta R.T. 0.07 min

Lab File: VF061950.D

Acq: 14 Mar 2019 20:41

Tgt Ion: 84 Resp: 5335

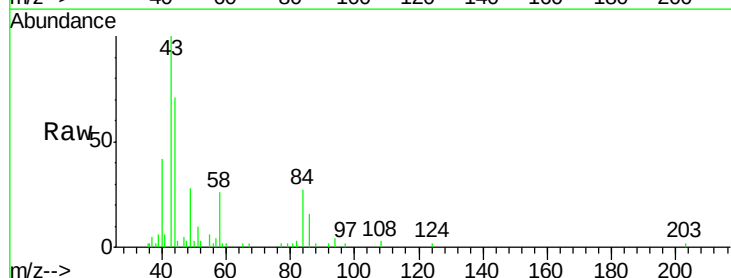
Ion Ratio Lower Upper

84 100

49 103.6 96.8 145.2

51 38.4 31.8 47.6

86 60.8 51.6 77.4

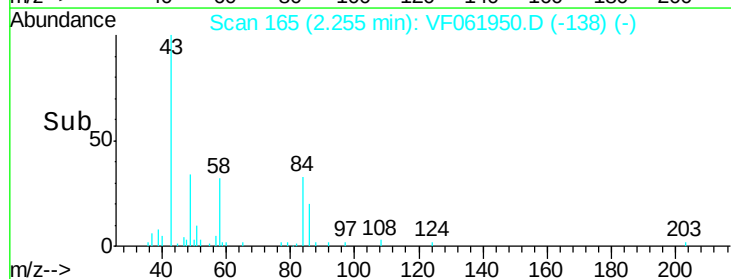
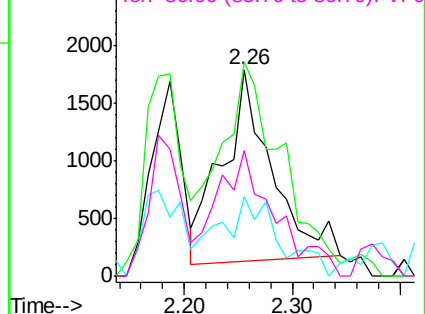


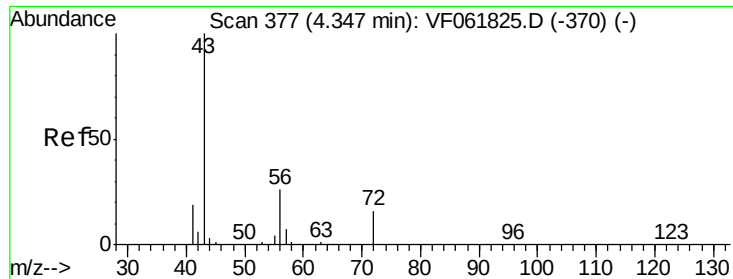
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

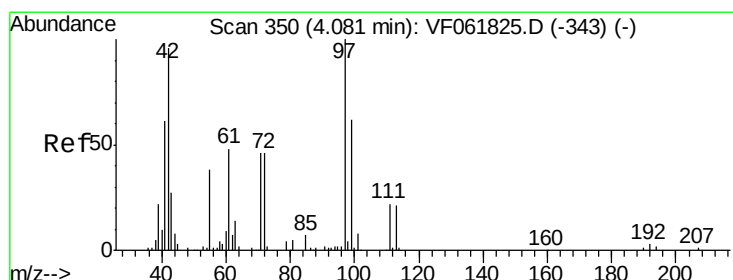
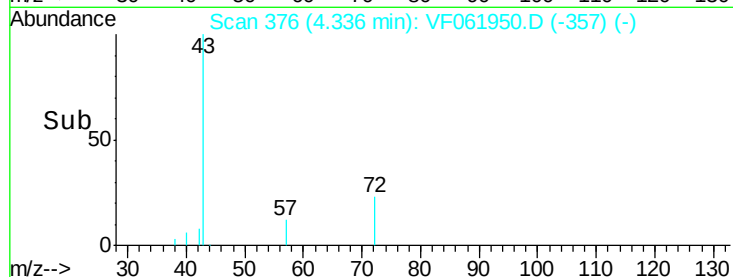
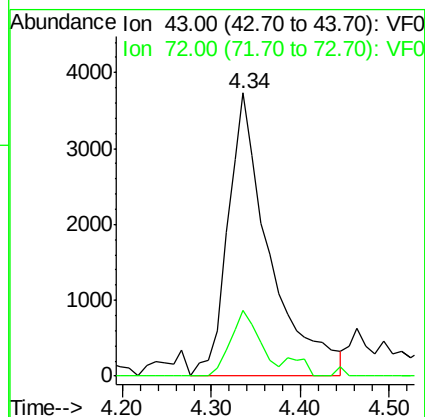
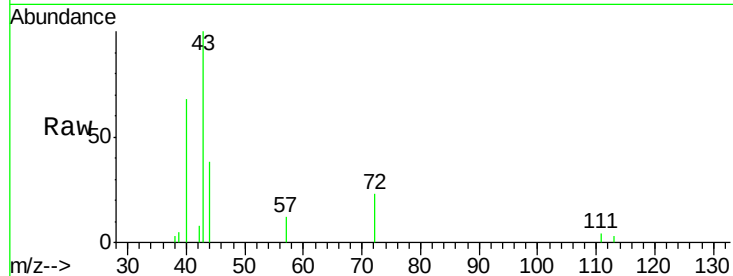




#25
2-Butanone
Concen: 15.962 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

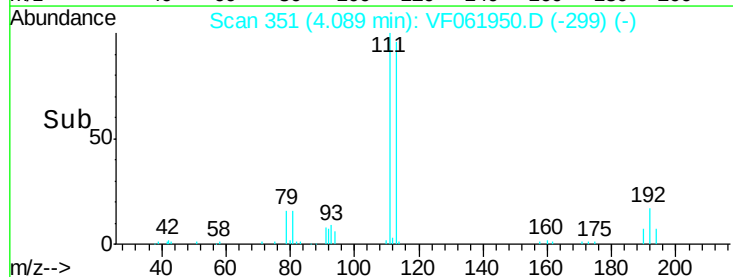
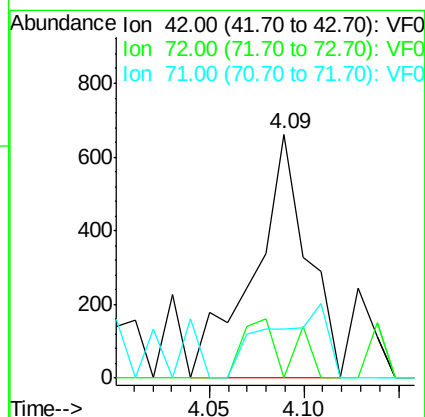
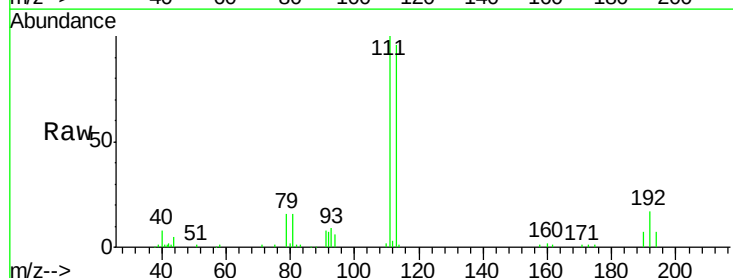
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-A

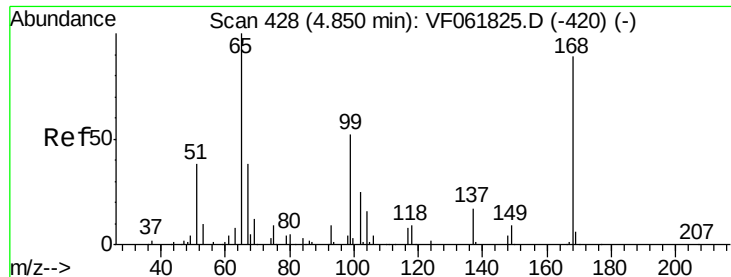
Tot Ion: 43 Resp: 12144
Ion Ratio Lower Upper
43 100
72 23.2 16.2 24.4



#29
Tetrahydrofuran
Concen: 3.941 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

Tgt Ion: 42 Resp: 1293
Ion Ratio Lower Upper
42 100
72 20.2 34.4 51.6#
71 0.0 34.6 52.0#

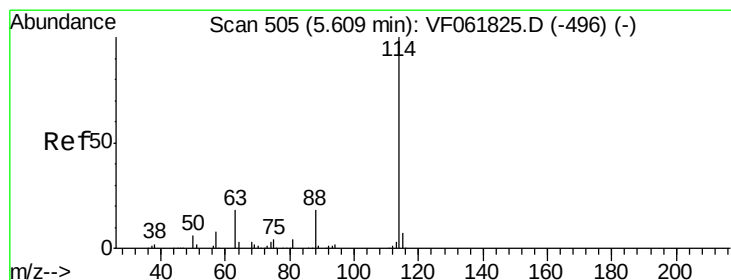
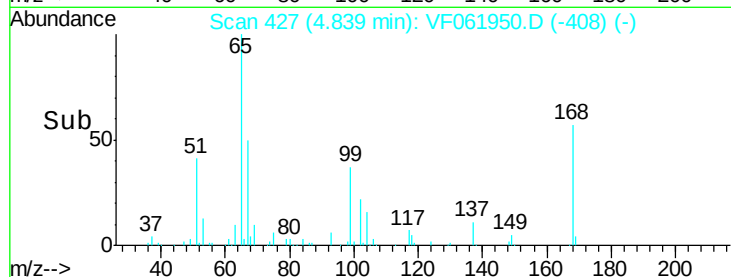
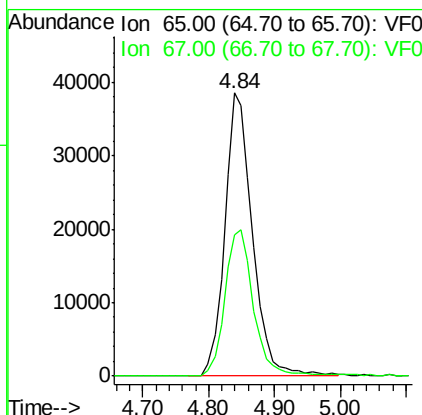
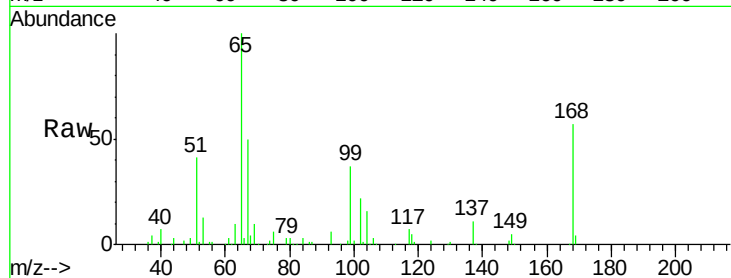




#33
 1,2-Dichloroethane-d4
 Concen: 63.192 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061950.D
 Acq: 14 Mar 2019 20:41

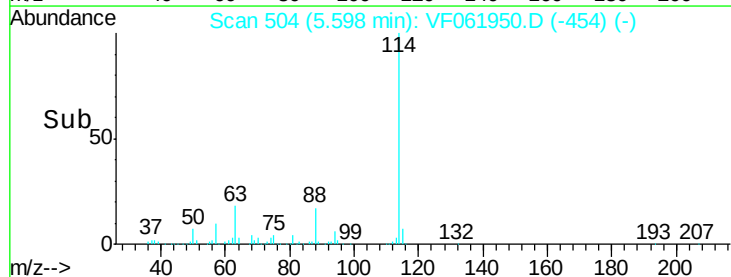
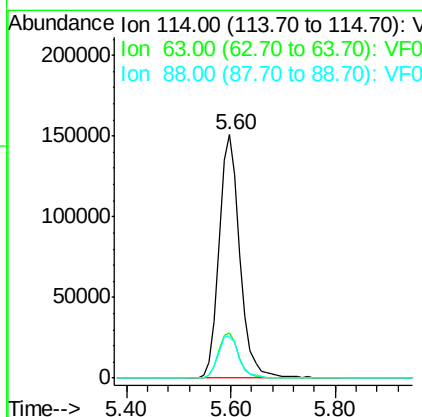
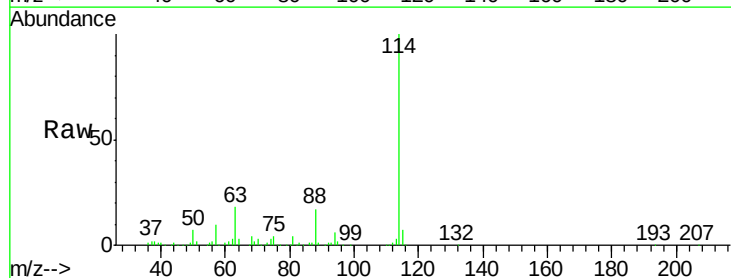
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-SOIL-PILE-A

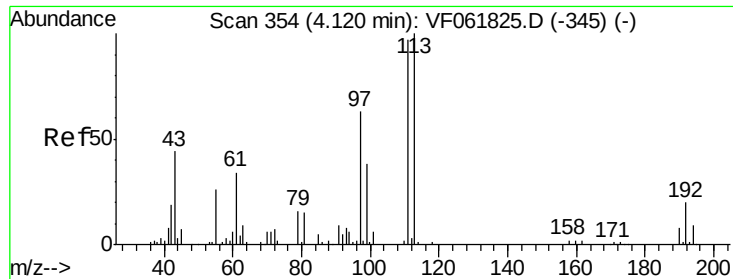
Tot Ion: 65 Resp: 112832
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061950.D
 Acq: 14 Mar 2019 20:41

Tgt Ion: 114 Resp: 417741
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.6
 88 17.2 0.0 35.6

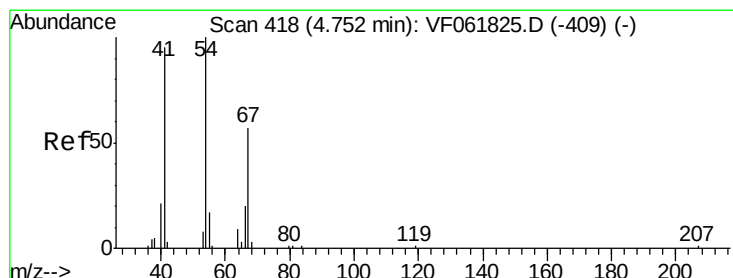
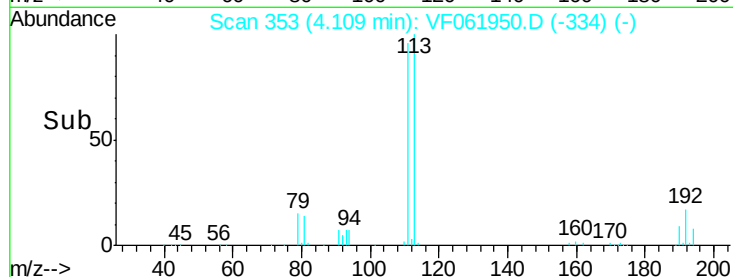
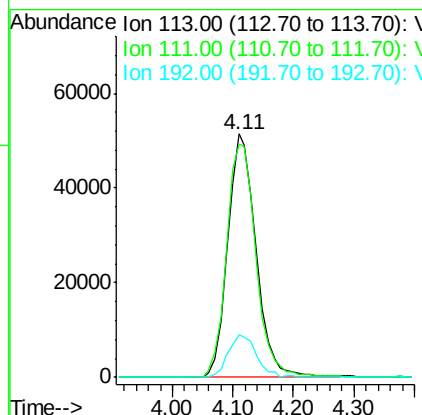
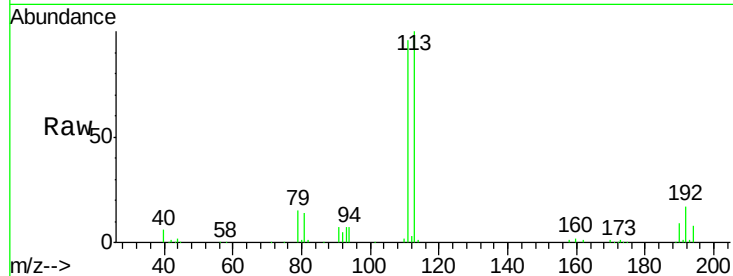




#35
Dibromofluoromethane
Concen: 57.111 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

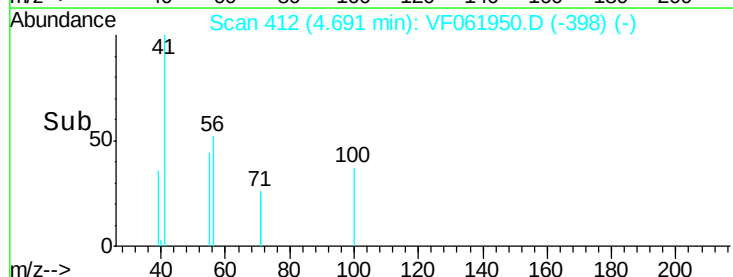
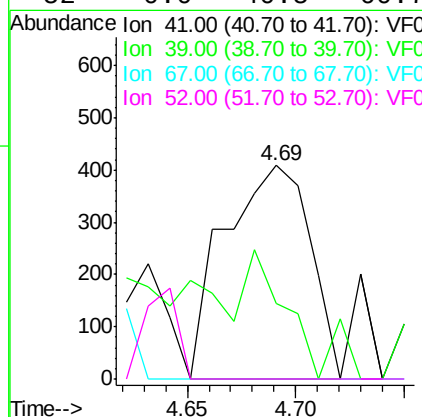
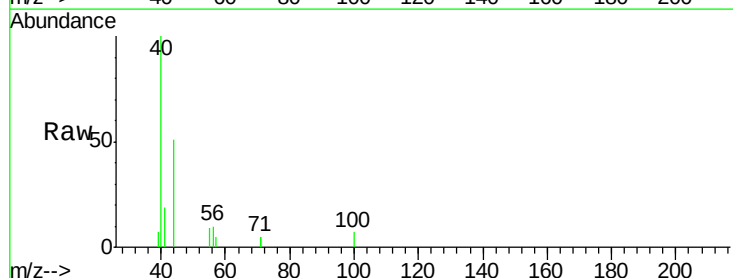
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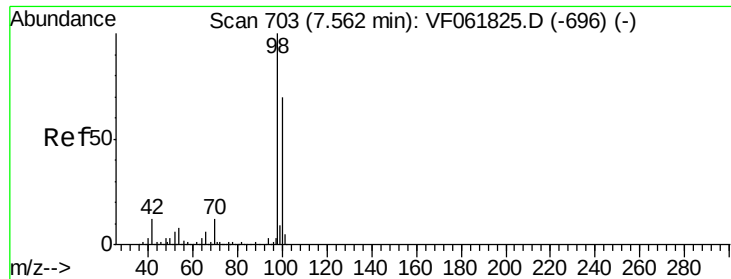
Tot Ion:113 Resp: 166494
Ion Ratio Lower Upper
113 100
111 95.8 77.6 116.4
192 17.3 15.9 23.9



#41
Methacrylonitrile
Concen: 1.243 ug/l
RT: 4.69 min Scan# 412
Delta R.T. -0.06 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

Tgt Ion: 41 Resp: 1128
Ion Ratio Lower Upper
41 100
39 35.7 43.0 64.6#
67 0.0 47.8 71.8#
52 0.0 40.5 60.7#





#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 :

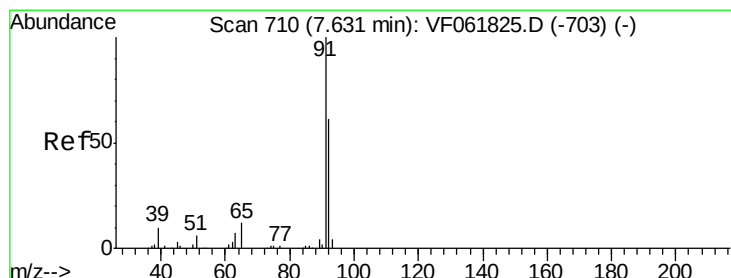
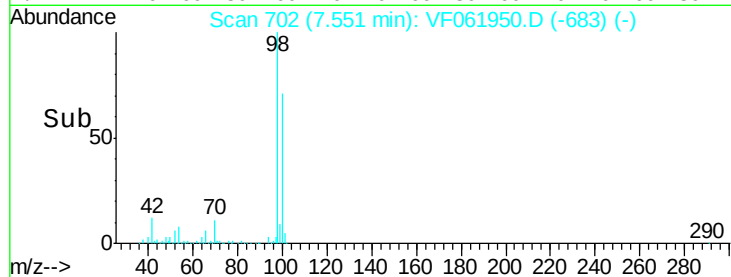
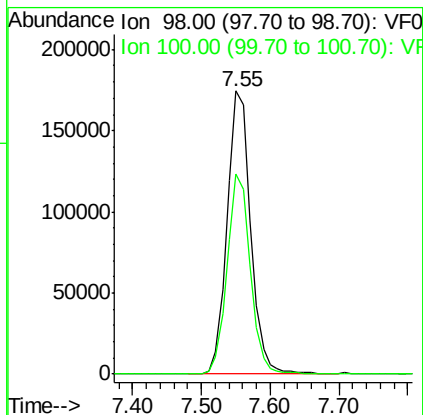
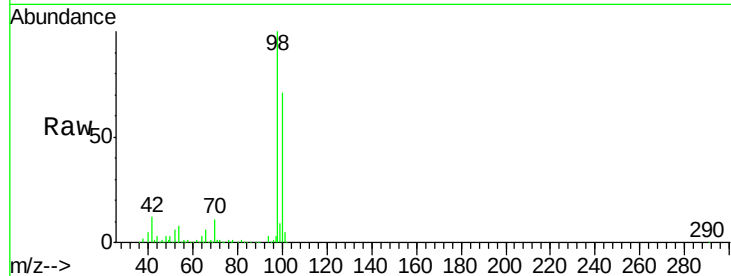
NB-SOIL-PILE-A

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

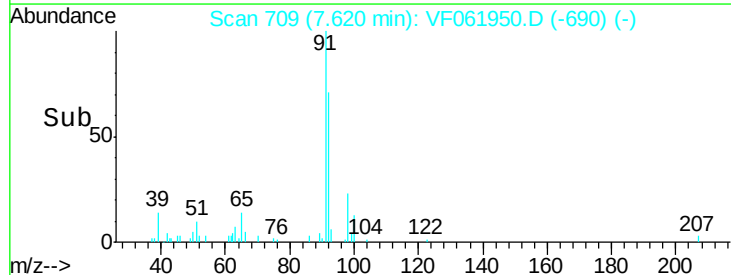
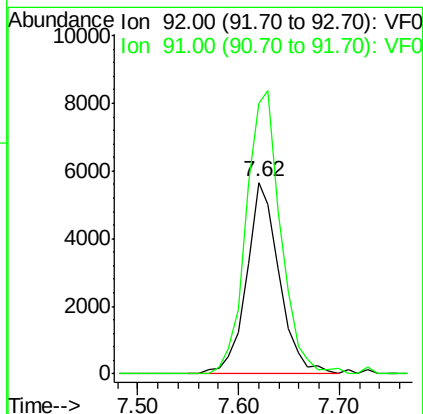
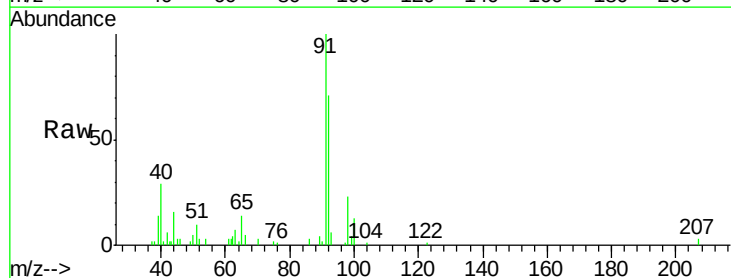
Acq: 14 Mar 2019 20:41

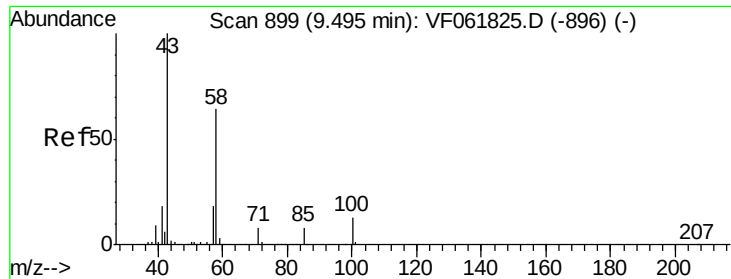
Tgt Ion: 92 Resp: 12806

Ion Ratio Lower Upper

92 100

91 141.3 132.0 198.0

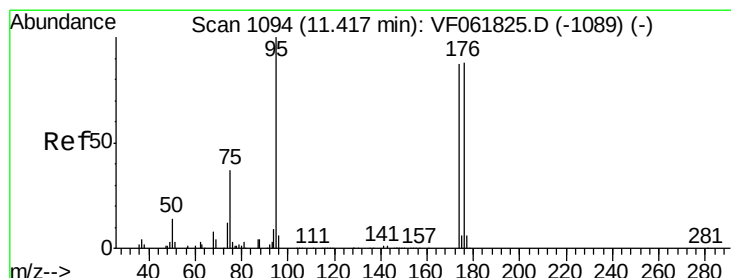
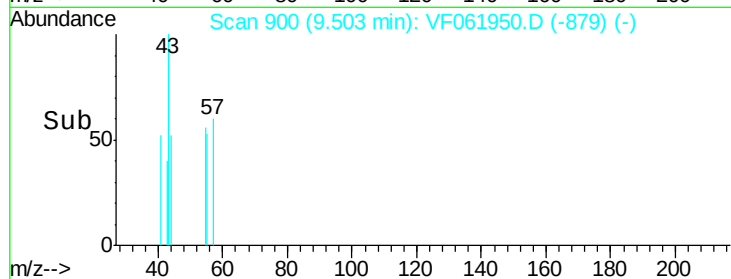
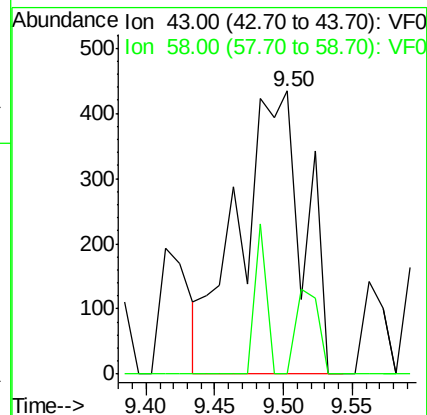
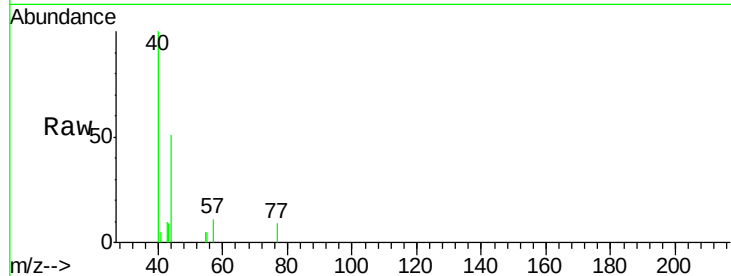




#59
2-Hexanone
Concen: 1.390 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

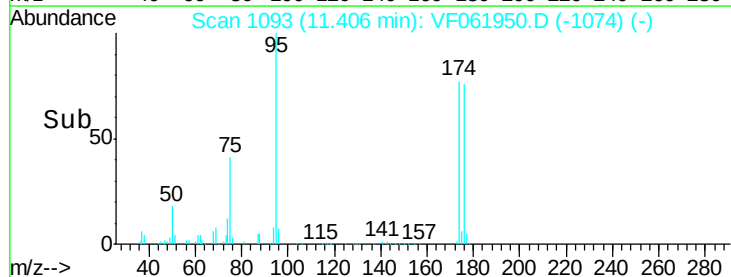
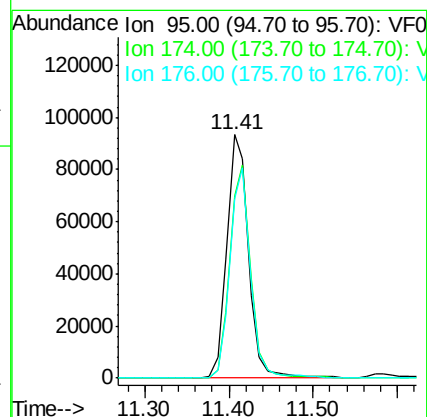
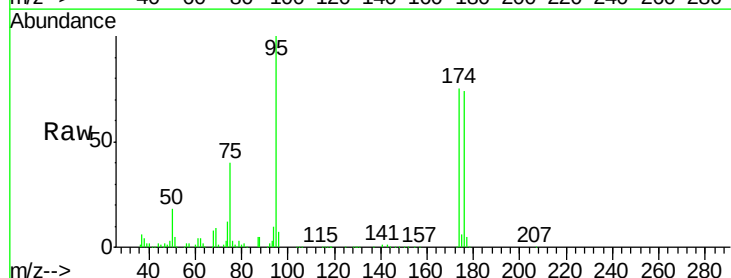
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-A

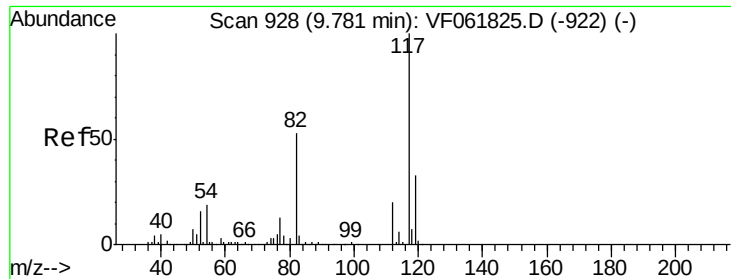
Tot Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#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

Tgt Ion: 95 Resp: 166278
Ion Ratio Lower Upper
95 100
174 74.8 0.0 174.0
176 73.9 0.0 175.2

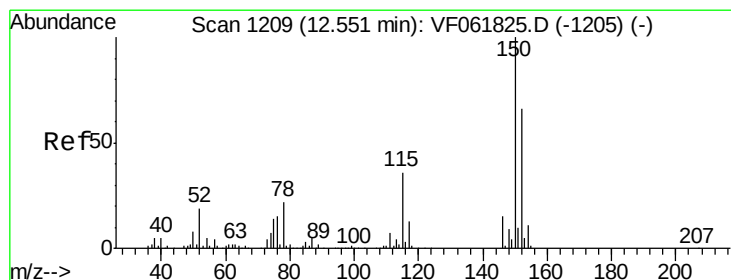
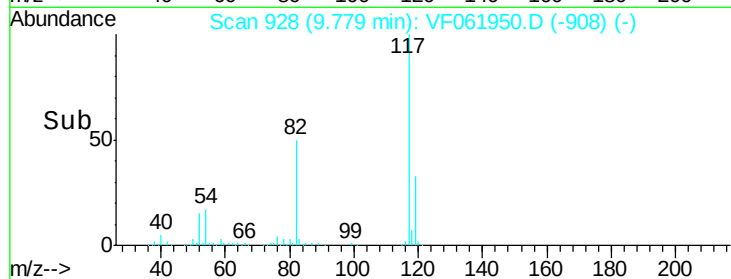
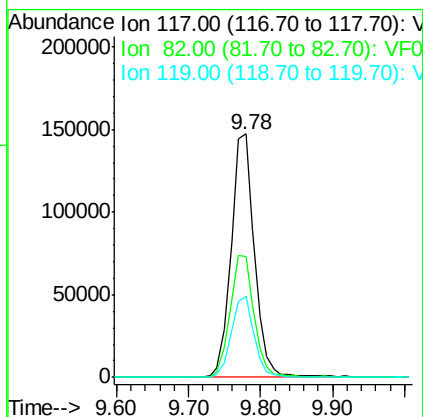
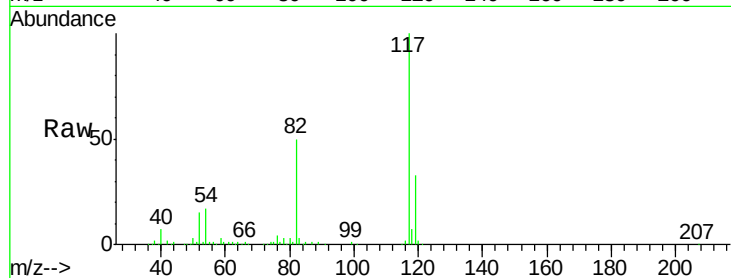




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

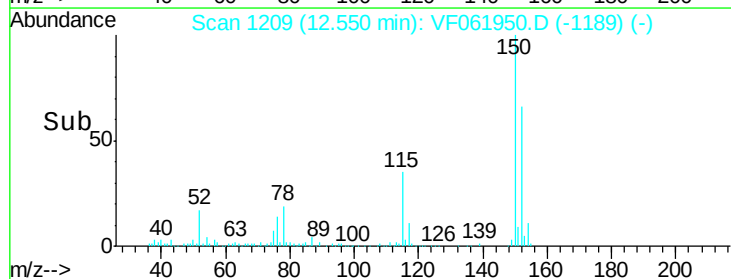
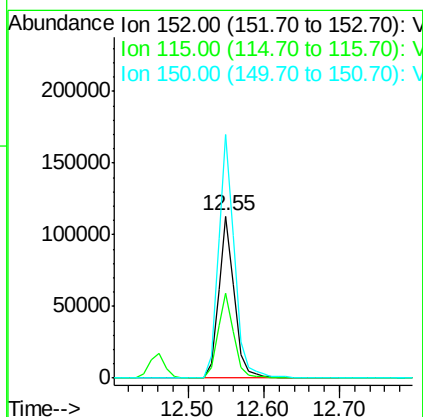
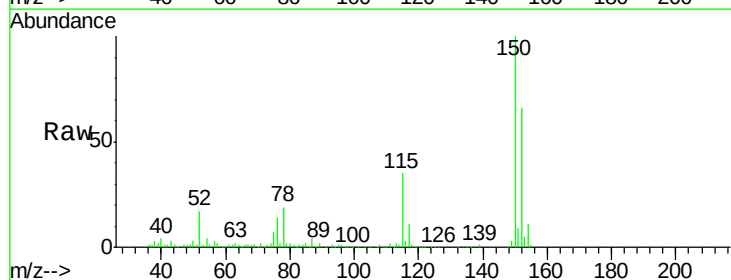
Instrument :
MSVOA_F
ClientSampleId :
NB-SOIL-PILE-A

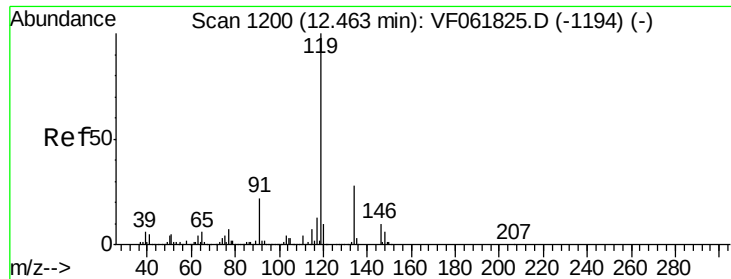
Tot Ion:117 Resp: 334430
Ion Ratio Lower Upper
117 100
82 49.8 42.6 63.8
119 33.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061950.D
Acq: 14 Mar 2019 20:41

Tgt Ion:152 Resp: 165458
Ion Ratio Lower Upper
152 100
115 52.2 27.7 83.1
150 150.5 0.0 304.2

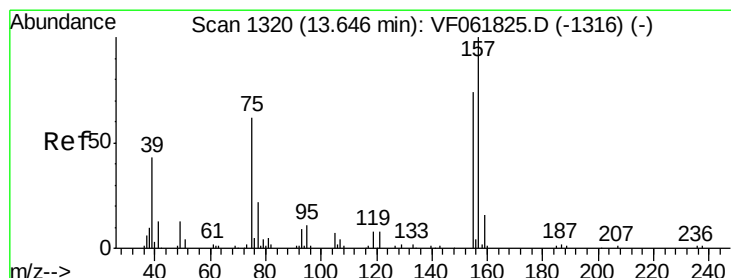
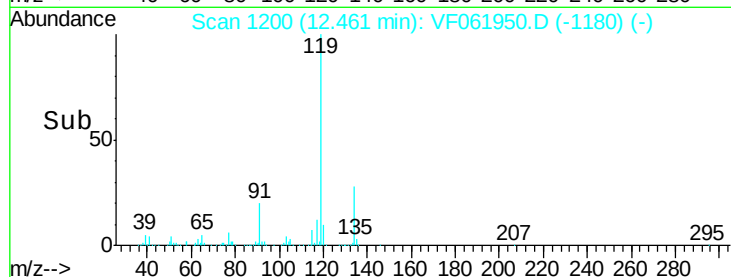
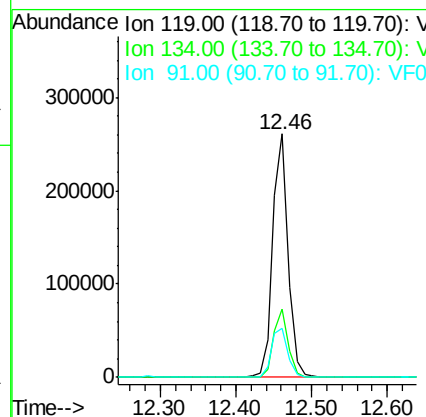
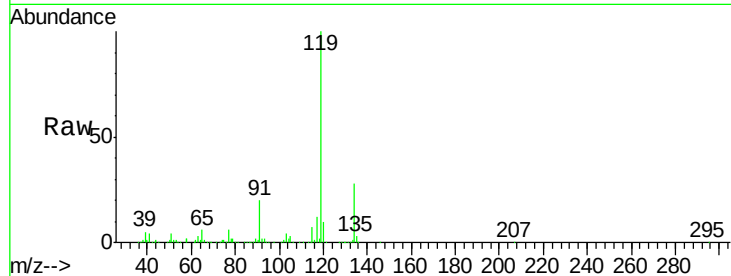




#86
 p-Isopropyltoluene
 Concen: 34.353 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061950.D
 Acq: 14 Mar 2019 20:41

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	14.0	42.0
91	20.2	11.1	33.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.111 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061950.D
 Acq: 14 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.8	179.4#
157	0.0	81.2	243.4#

