

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059623.D
 Acq On : 23 Jul 2018 19:32
 Operator : VA/AP
 Sample : J4099-03
 Misc : 4.96g/5mL/MSVOA_F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-03

Quant Time: Jul 24 04:51:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	177130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	245881	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	174256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	53422	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	81521	29.25	ug/l	0.00
Spiked Amount			Recovery	=	58.50%	
35) Dibromofluoromethane	4.28	113	72123	31.79	ug/l	0.00
Spiked Amount			Recovery	=	63.58%	
50) Toluene-d8	7.70	98	144596	25.46	ug/l	0.00
Spiked Amount			Recovery	=	50.92%	
62) 4-Bromofluorobenzene	11.51	95	50512	15.41	ug/l	0.00
Spiked Amount			Recovery	=	30.82%	

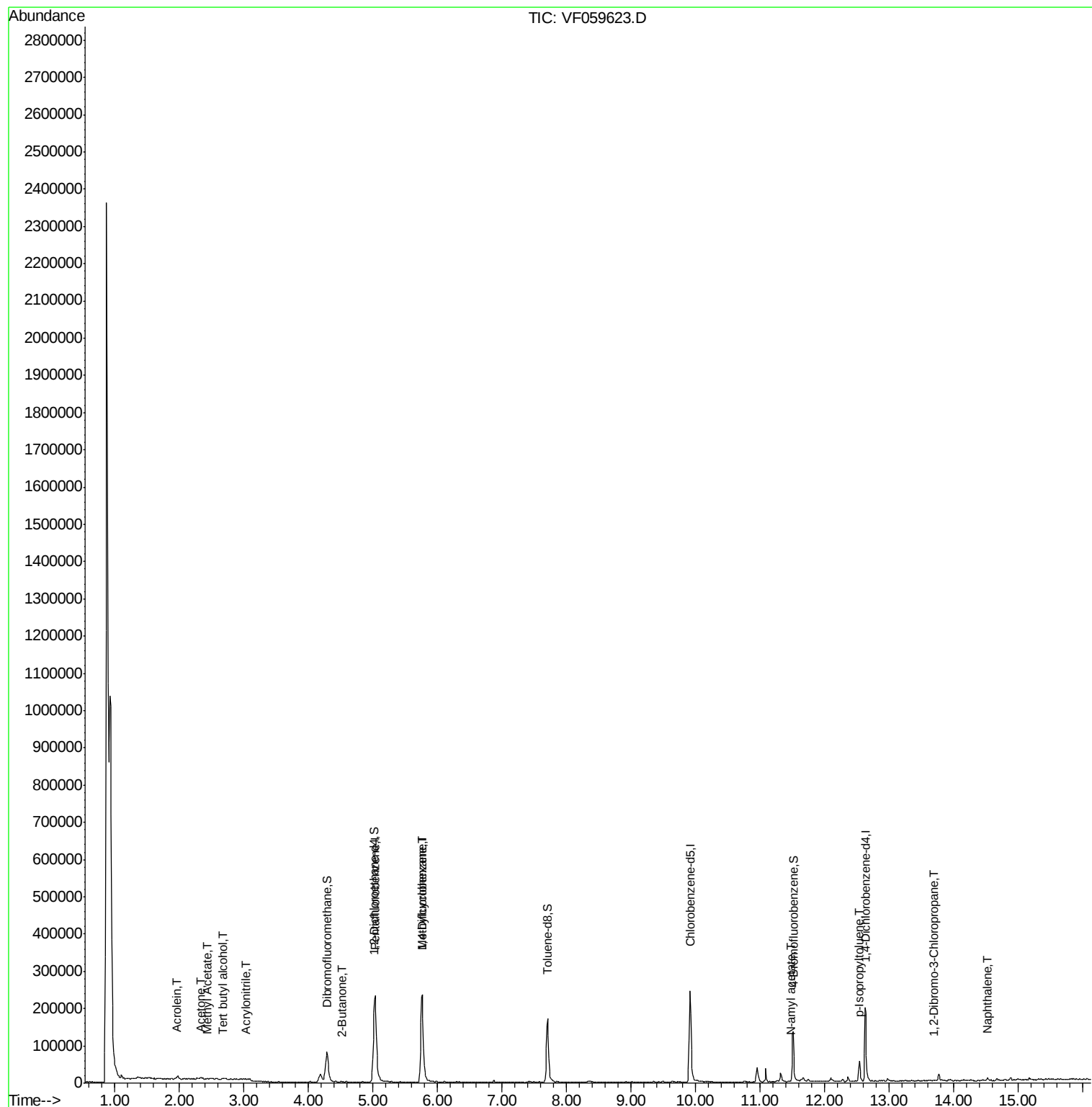
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	232	2.045	ug/l #	5
13) Acrolein	1.95	56	678	11.917	ug/l	98
15) Acrylonitrile	3.04	53	409	2.337	ug/l #	10
16) Acetone	2.33	43	7040	14.731	ug/l #	51
18) Methyl Acetate	2.44	43	4503	1.794	ug/l	98
20) Methylene Chloride	2.27	84	1026	Below Cal	#	79
25) 2-Butanone	4.51	43	1326	2.691	ug/l #	62
39) Methylcyclohexane	5.75	83	3941	1.951	ug/l #	30
49) 1,4-Dioxane	6.57	88	64	Below Cal	#	16
74) N-amyl acetate	11.47	43	926	1.214	ug/l #	68
86) p-Isopropyltoluene	12.53	119	26927	7.881	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	143	1.043	ug/l #	8
95) Naphthalene	14.52	128	3284	1.722	ug/l	95

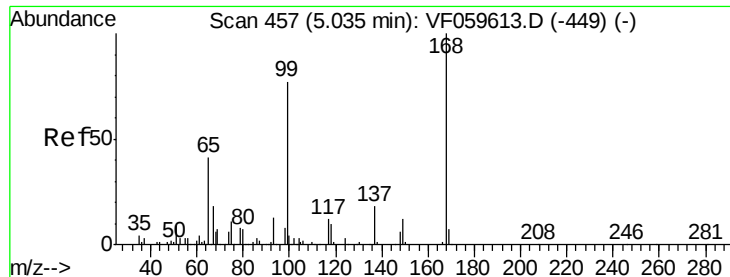
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
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Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

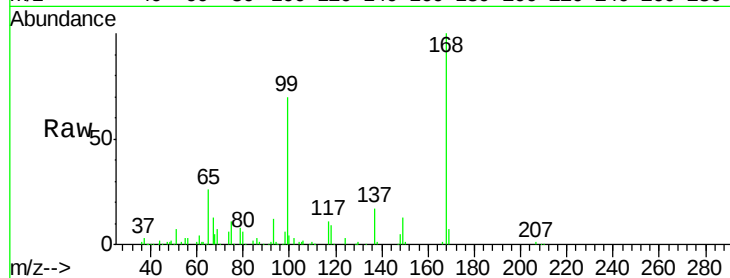
GL-TOPSOIL-03

Tgt Ion:168 Resp: 177130

Ion Ratio Lower Upper

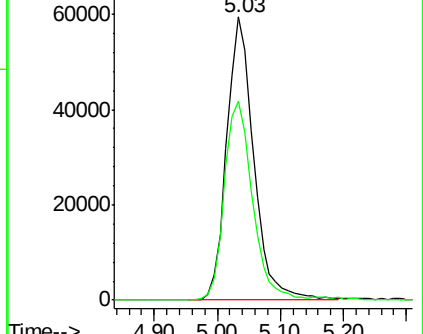
168 100

99 70.3 61.5 92.3

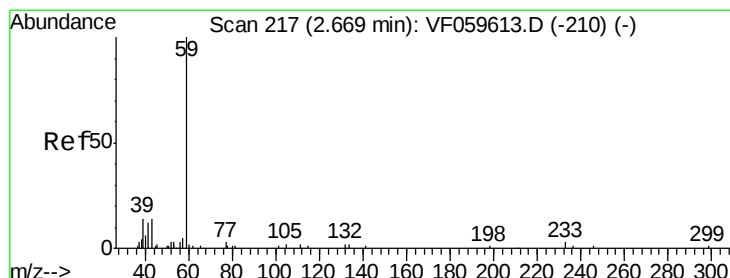
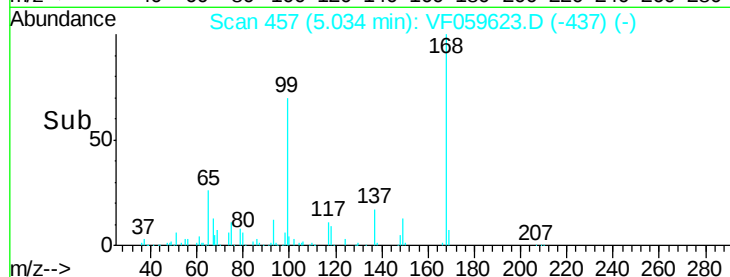


Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#11

Tert butyl alcohol

Concen: 2.045 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.01 min

Lab File: VF059623.D

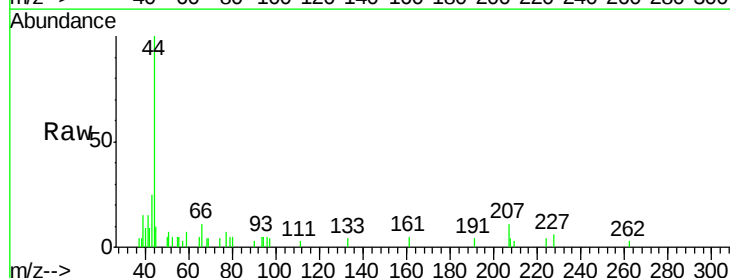
Acq: 23 Jul 2018 19:32

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

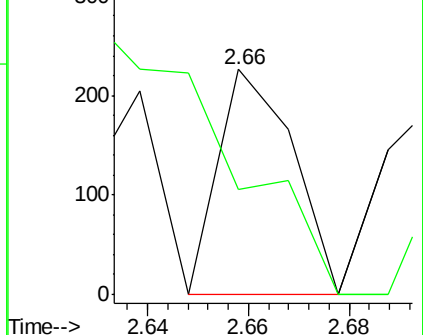
59 100

57 46.5 8.6 12.8#

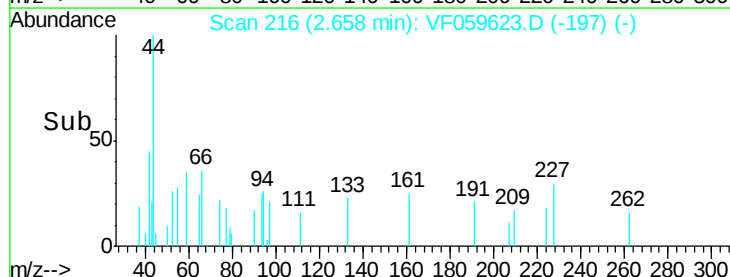


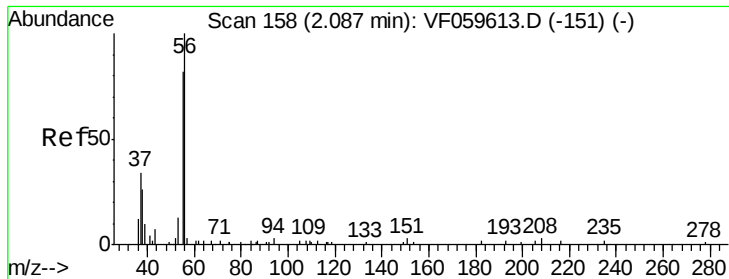
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



Time-->

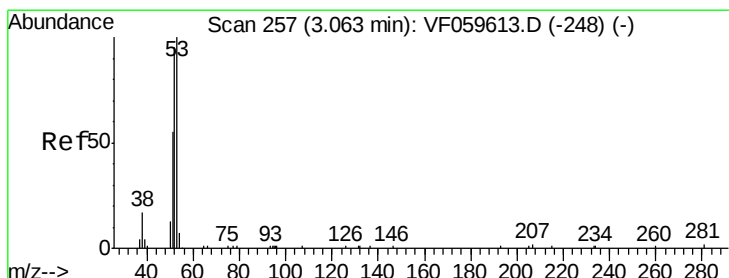
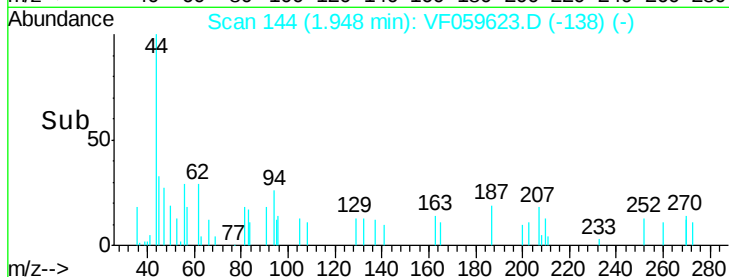
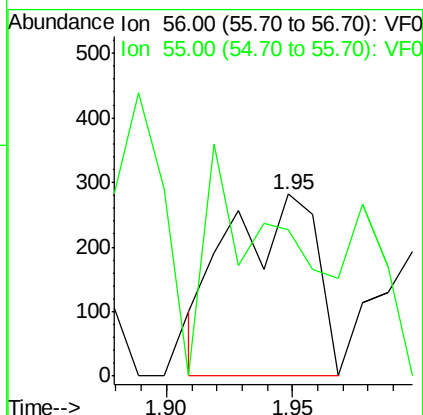
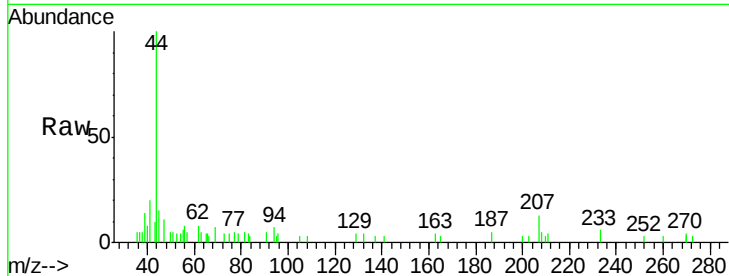




#13
 Acrolein
 Concen: 11.917 ug/l
 RT: 1.95 min Scan# 144
 Delta R.T. -0.14 min
 Lab File: VF059623.D
 Acq: 23 Jul 2018 19:32

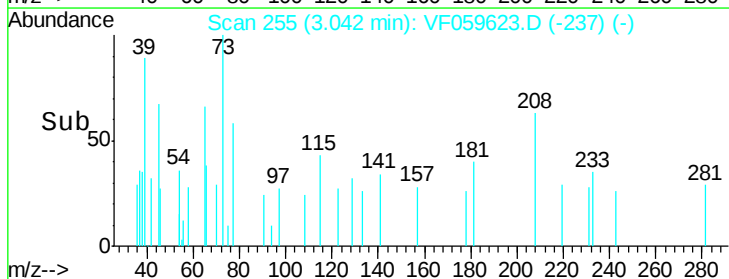
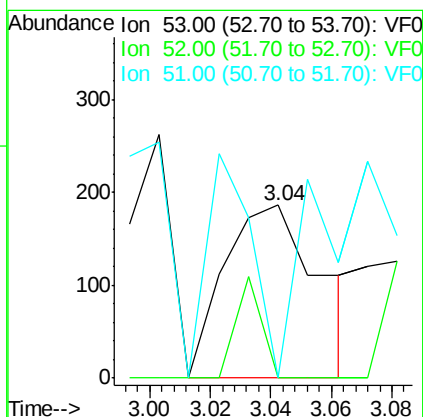
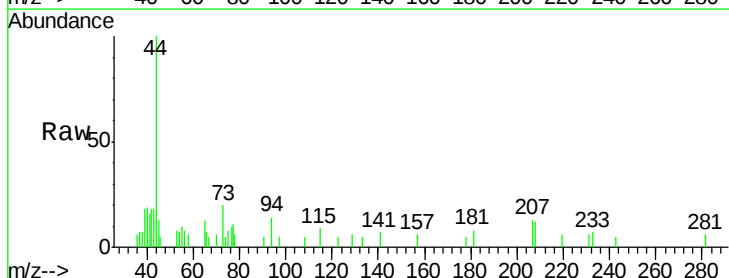
Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-03

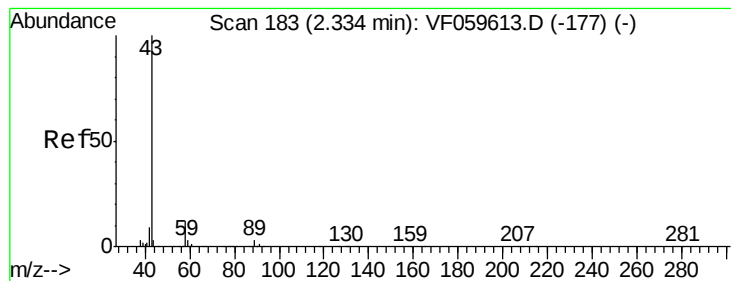
Tgt Ion: 56 Resp: 678
 Ion Ratio Lower Upper
 56 100
 55 80.1 65.6 98.4



#15
 Acrylonitrile
 Concen: 2.337 ug/l
 RT: 3.04 min Scan# 255
 Delta R.T. -0.02 min
 Lab File: VF059623.D
 Acq: 23 Jul 2018 19:32

Tgt Ion: 53 Resp: 409
 Ion Ratio Lower Upper
 53 100
 52 0.0 76.2 114.2#
 51 0.0 45.8 68.8#





#16

Acetone

Concen: 14.731 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

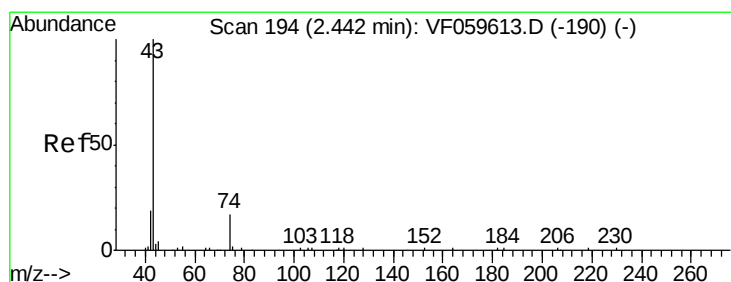
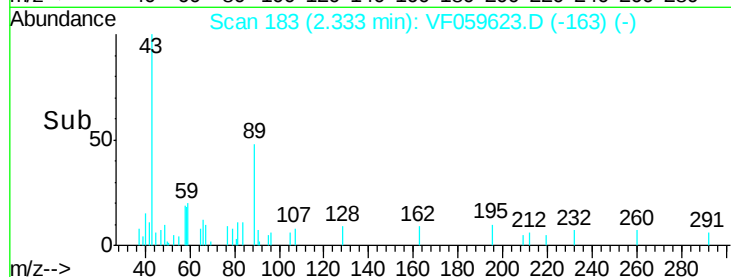
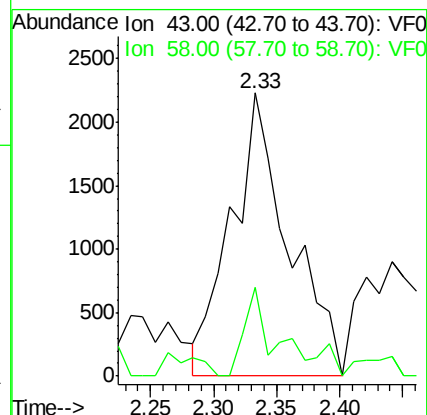
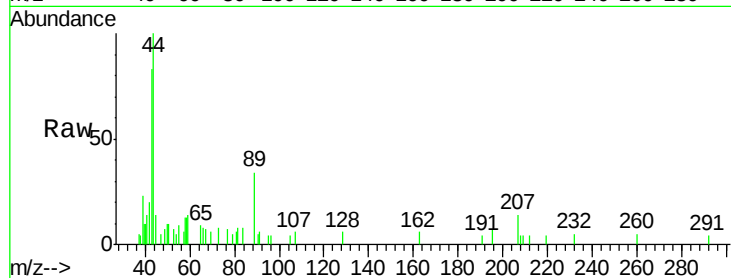
GL-TOPSOIL-03

Tgt Ion: 43 Resp: 7040

Ion Ratio Lower Upper

43 100

58 31.5 9.8 14.8#



#18

Methyl Acetate

Concen: 1.794 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059623.D

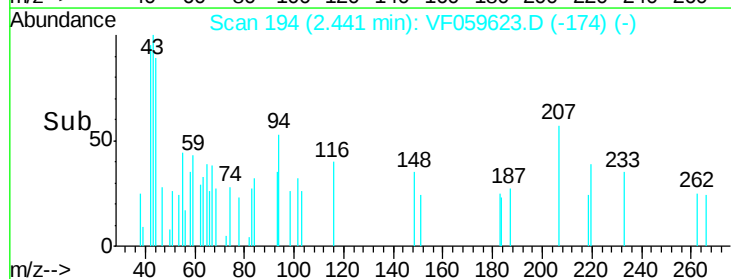
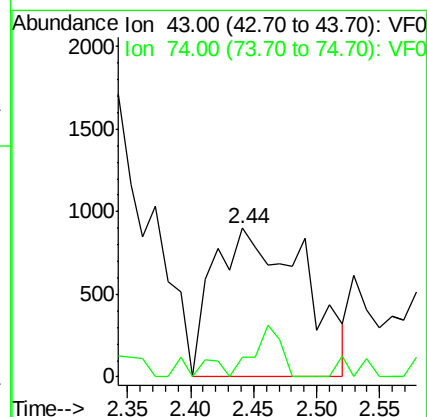
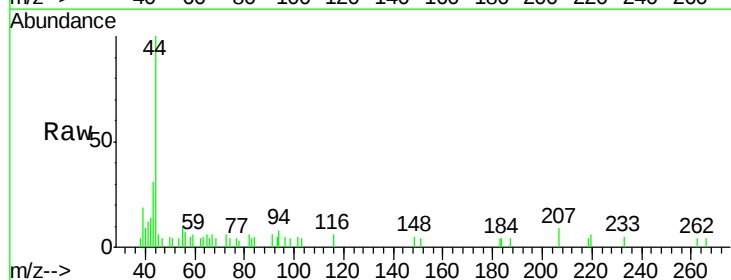
Acq: 23 Jul 2018 19:32

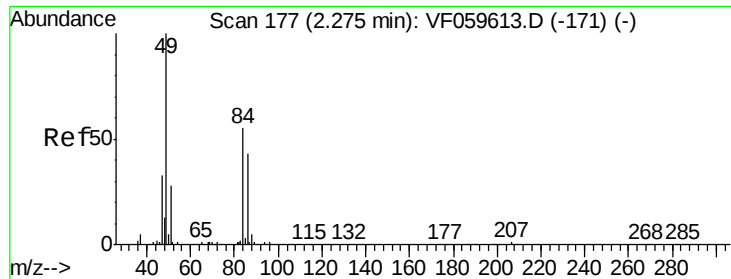
Tgt Ion: 43 Resp: 4503

Ion Ratio Lower Upper

43 100

74 13.3 11.4 17.0

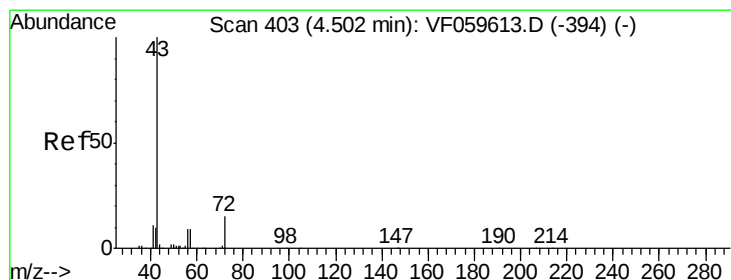
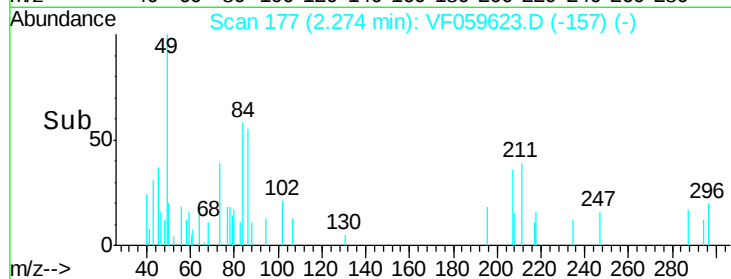
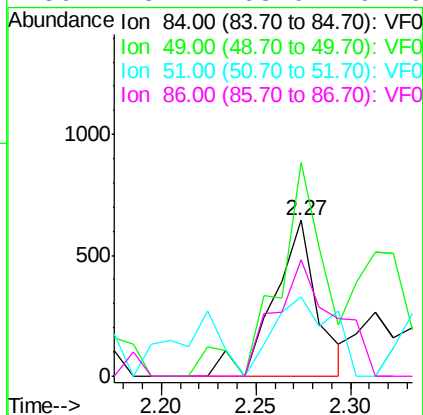
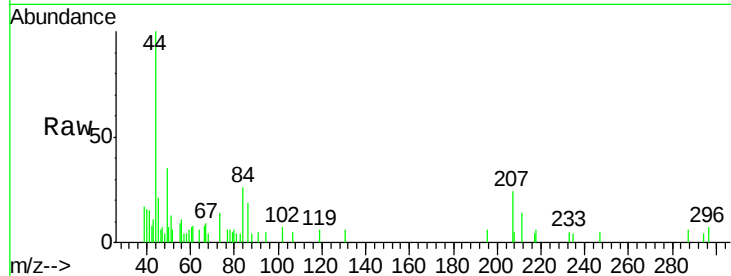




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

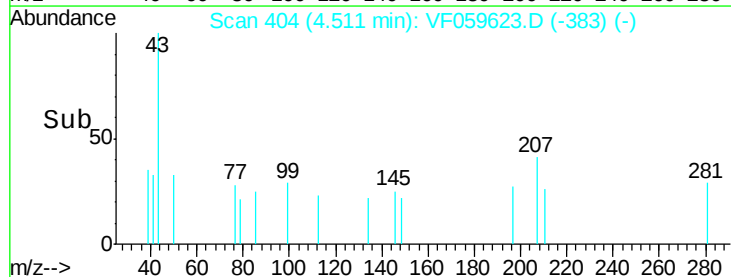
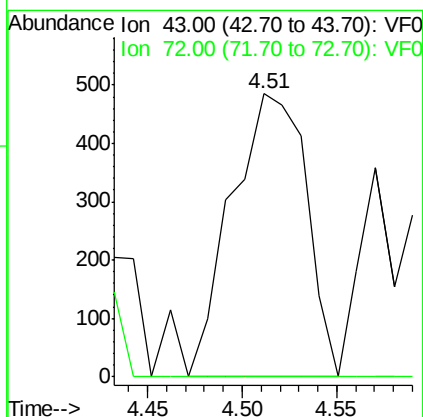
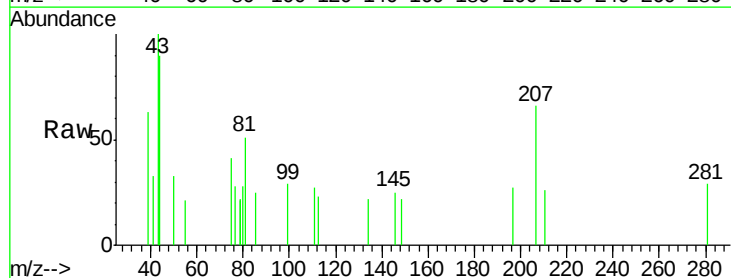
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-03

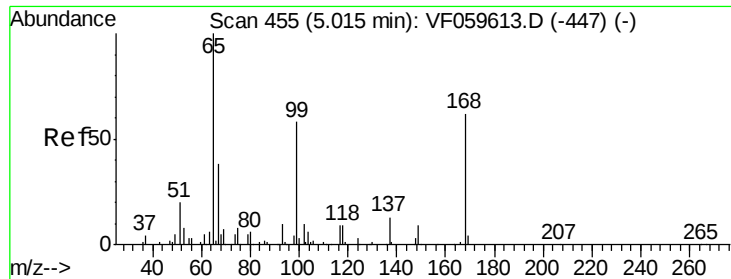
Tgt Ion: 84 Resp: 1026
Ion Ratio Lower Upper
84 100
49 137.3 148.6 222.8#
51 51.2 42.7 64.1
86 75.2 63.0 94.6



#25
2-Butanone
Concen: 2.691 ug/l
RT: 4.51 min Scan# 404
Delta R.T. 0.01 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

Tgt Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
72 0.0 12.9 19.3#





#33

1,2-Dichloroethane-d4

Concen: 29.247 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

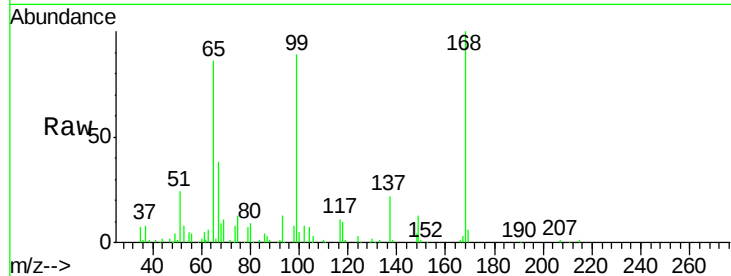
GL-TOPSOIL-03

Tgt Ion: 65 Resp: 81521

Ion Ratio Lower Upper

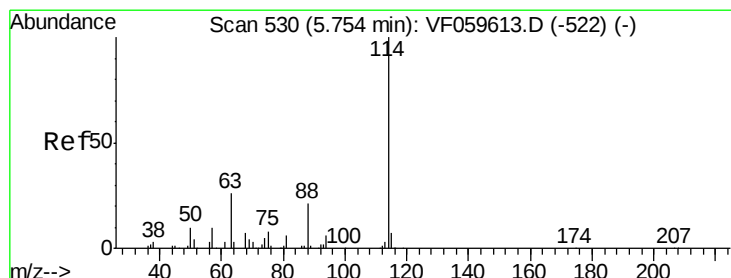
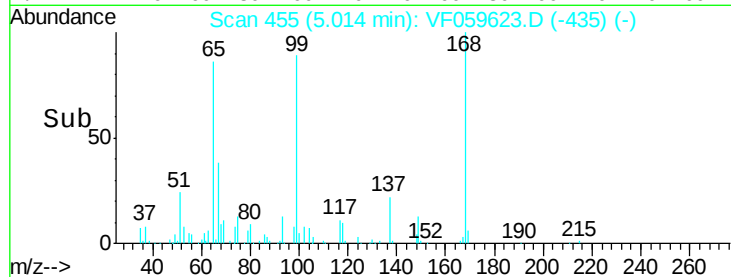
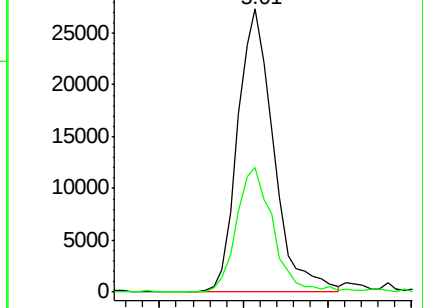
65 100

67 44.1 0.0 83.8



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: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

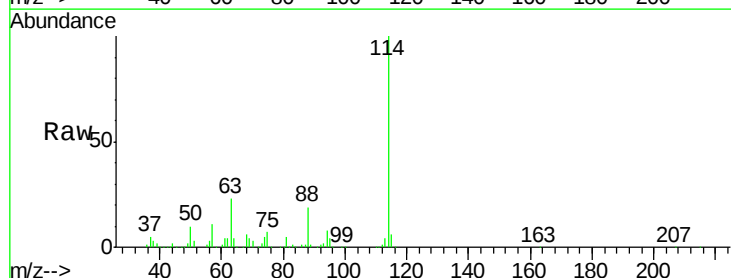
Tgt Ion: 114 Resp: 245881

Ion Ratio Lower Upper

114 100

63 22.5 0.0 51.8

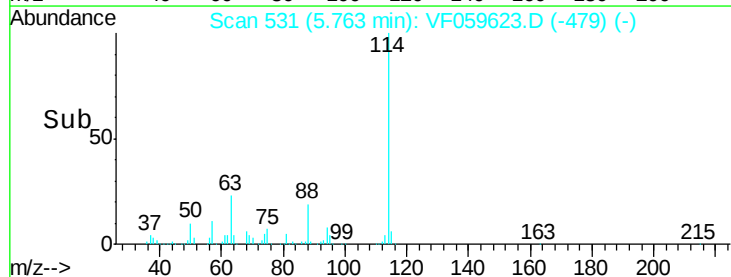
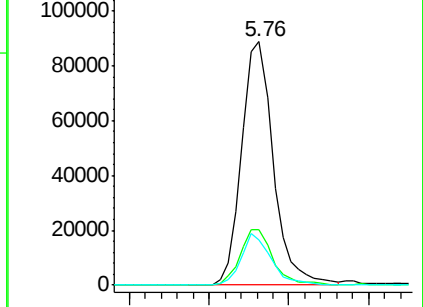
88 18.8 0.0 42.8

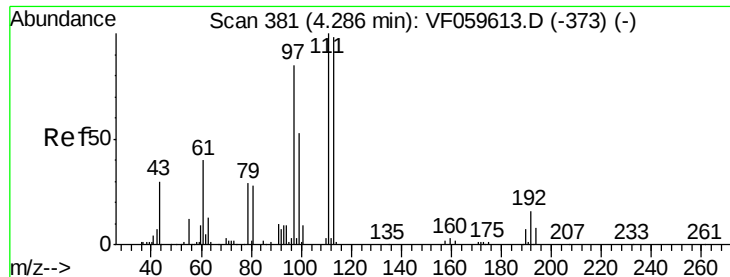


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

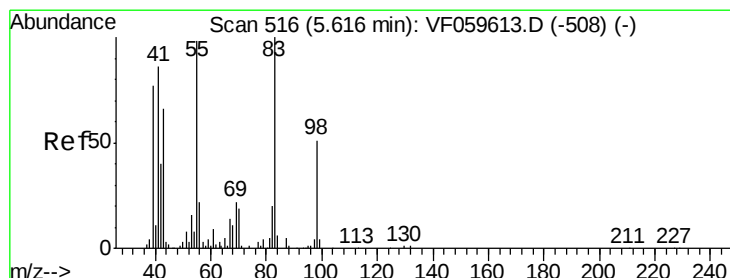
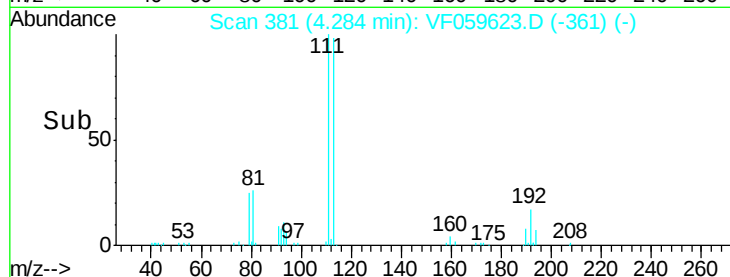
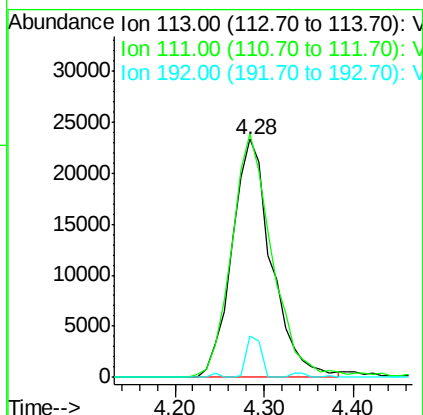
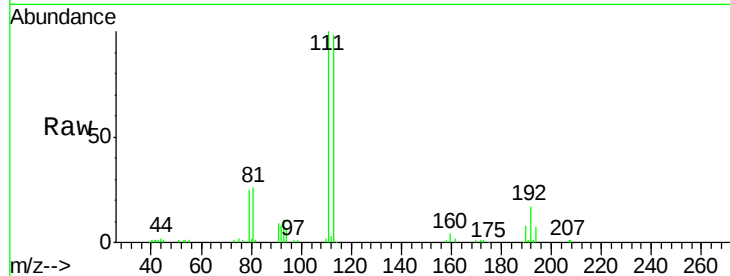




#35
Dibromofluoromethane
Concen: 31.792 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

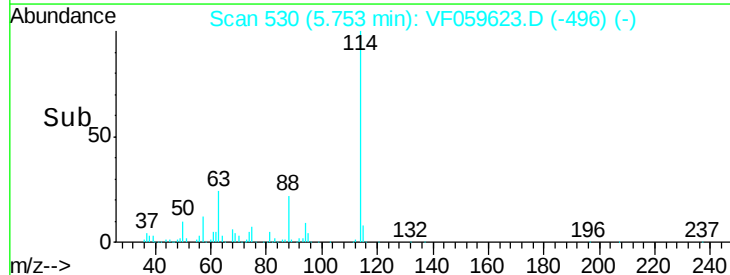
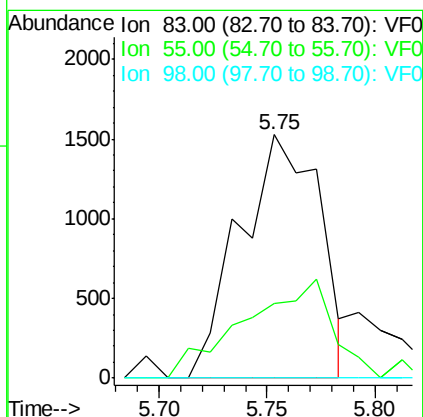
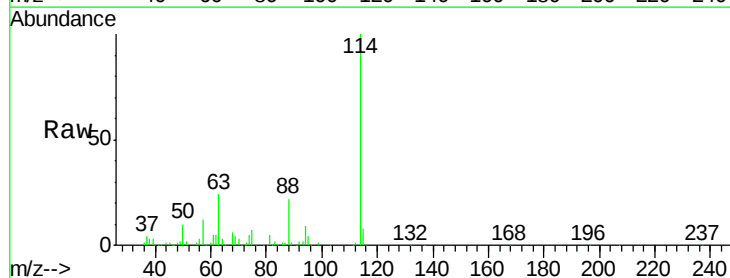
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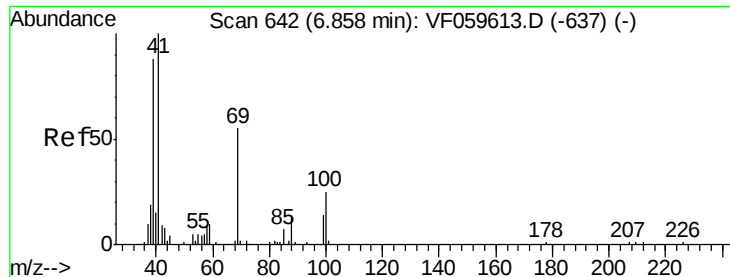
Tgt Ion:113 Resp: 72123
Ion Ratio Lower Upper
113 100
111 105.7 81.5 122.3
192 17.6 13.4 20.2



#39
Methylcyclohexane
Concen: 1.951 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

Tgt Ion: 83 Resp: 3941
Ion Ratio Lower Upper
83 100
55 30.8 78.5 117.7#
98 0.0 41.1 61.7#

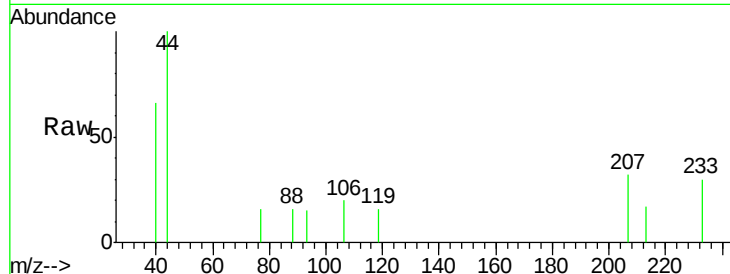




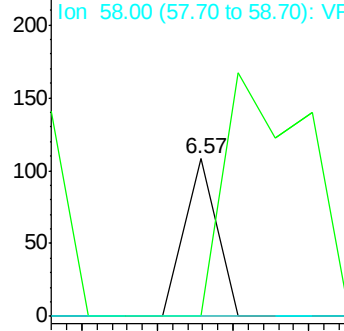
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.57 min Scan# 613
Delta R.T. -0.29 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-03

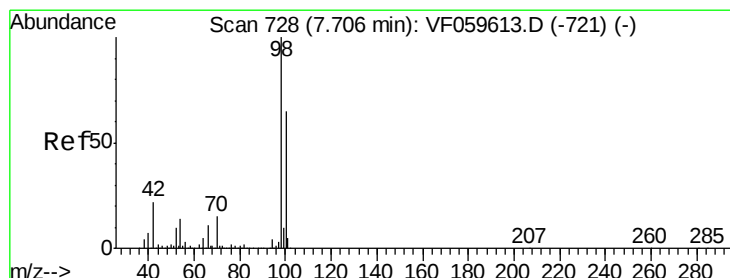
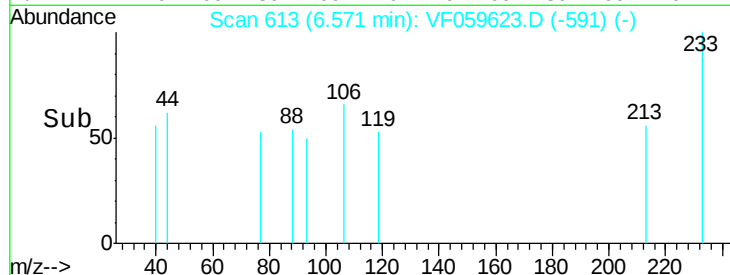
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 54.2 81.4#
58 0.0 54.3 81.5#



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

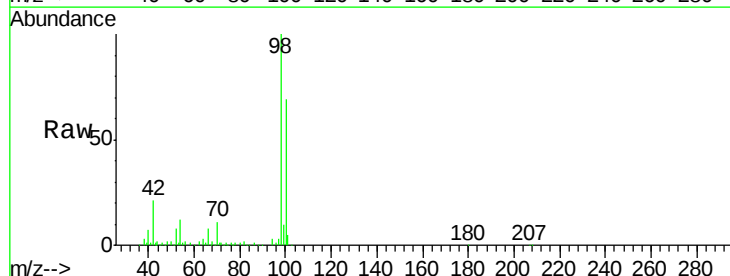


Time-->

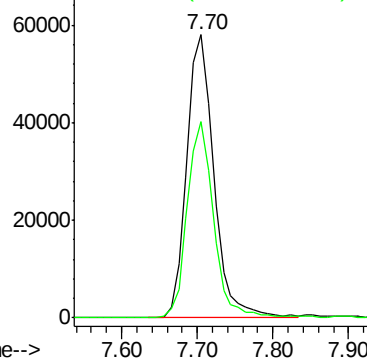


#50
Toluene-d8
Concen: 25.457 ug/l
RT: 7.70 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

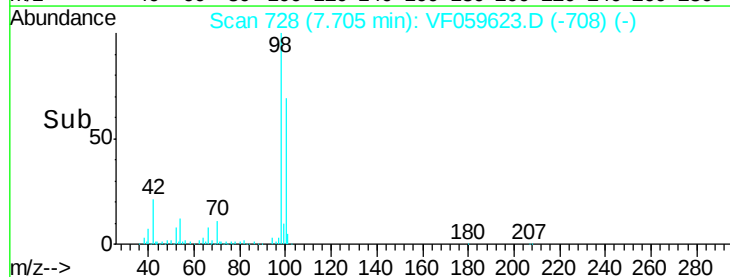
Tgt Ion: 98 Resp: 144596
Ion Ratio Lower Upper
98 100
100 69.4 51.6 77.4

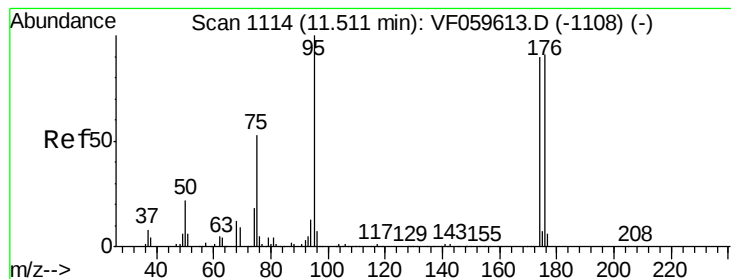


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0



Time-->





#62

4-Bromofluorobenzene

Concen: 15.405 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-03

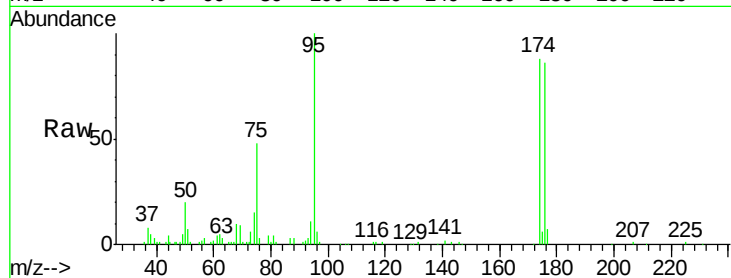
Tgt Ion: 95 Resp: 50512

Ion Ratio Lower Upper

95 100

174 87.8 0.0 180.6

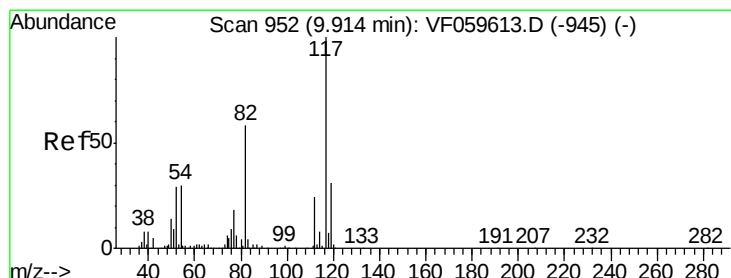
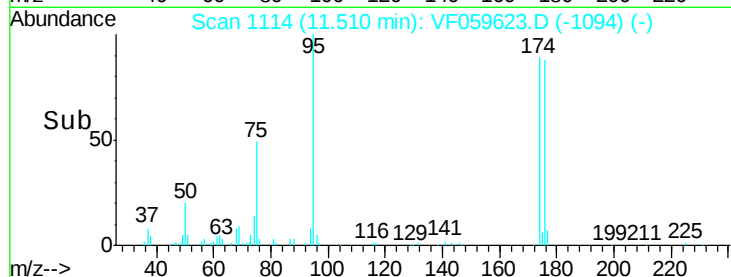
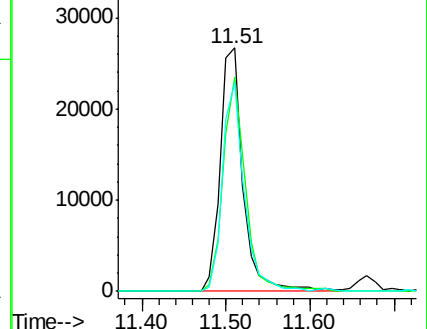
176 86.1 0.0 182.4



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: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

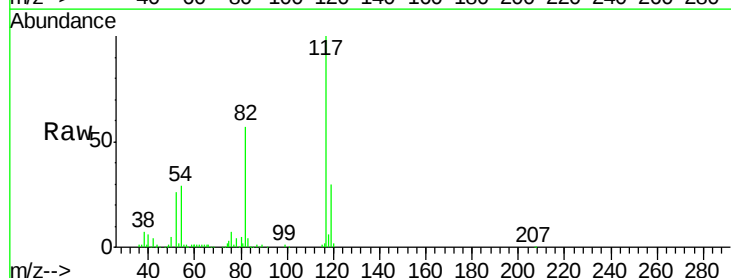
Tgt Ion: 117 Resp: 174256

Ion Ratio Lower Upper

117 100

82 57.3 46.5 69.7

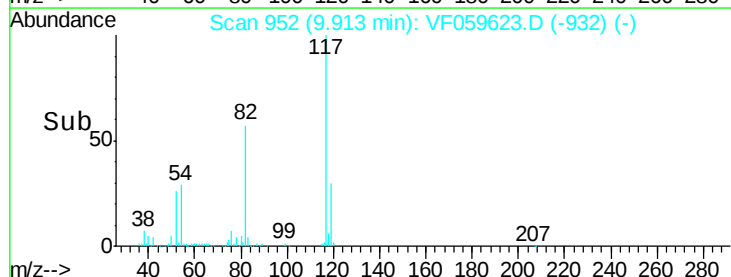
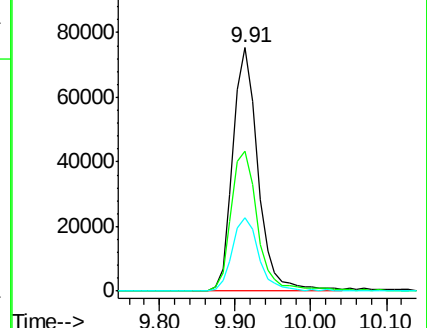
119 30.0 24.4 36.6

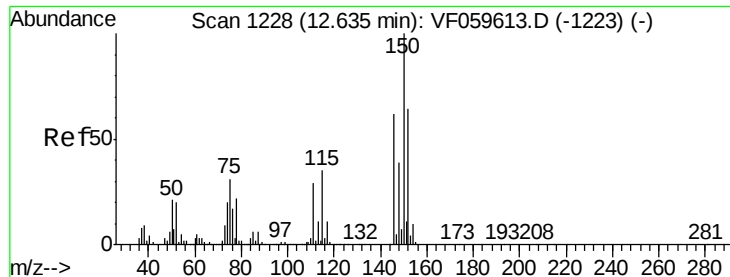


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-03

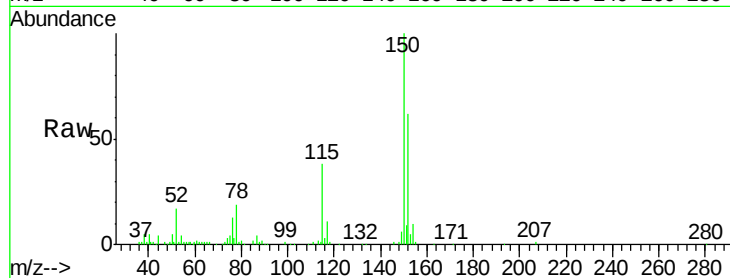
Tgt Ion:152 Resp: 53422

Ion Ratio Lower Upper

152 100

115 61.5 27.8 83.4

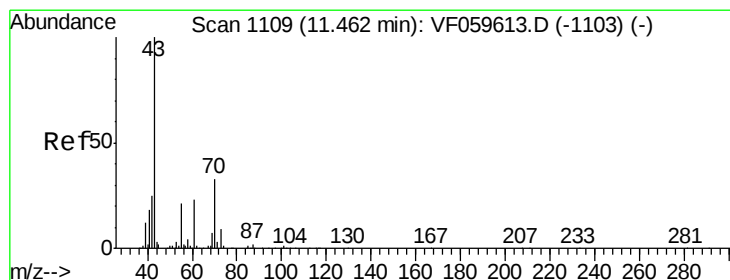
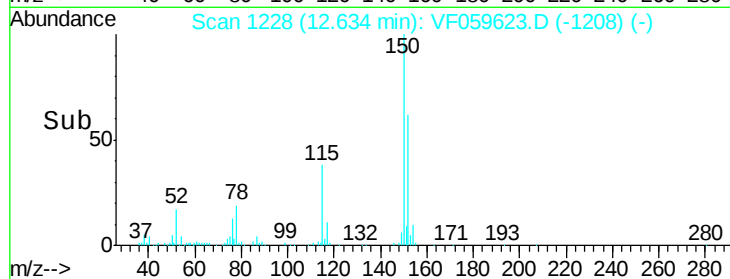
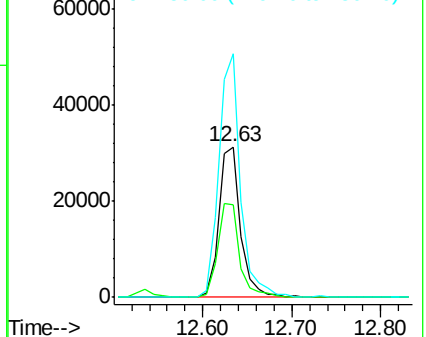
150 162.1 0.0 314.6



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



#74

N-ethyl acetate

Concen: 1.214 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Tgt Ion: 43 Resp: 926

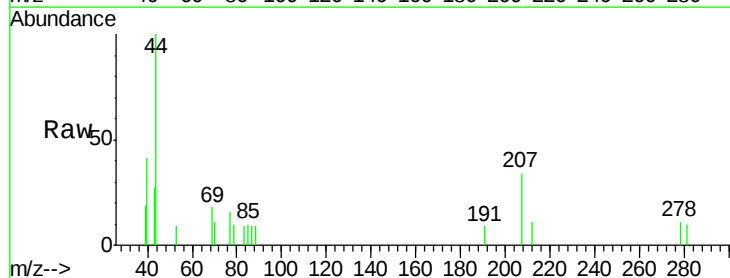
Ion Ratio Lower Upper

43 100

70 41.2 26.6 40.0#

55 0.0 17.0 25.6#

61 0.0 18.3 27.5#

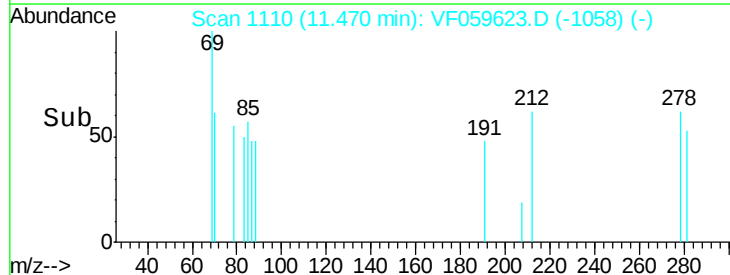
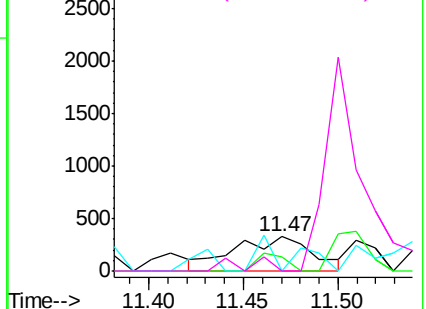


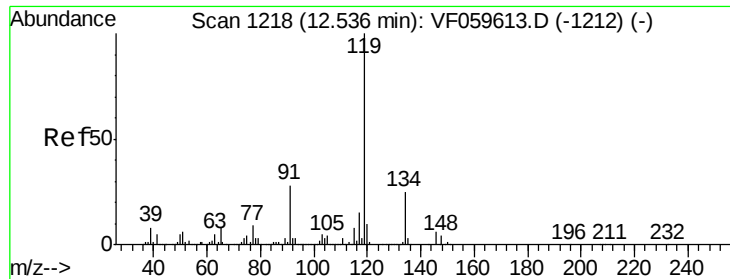
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

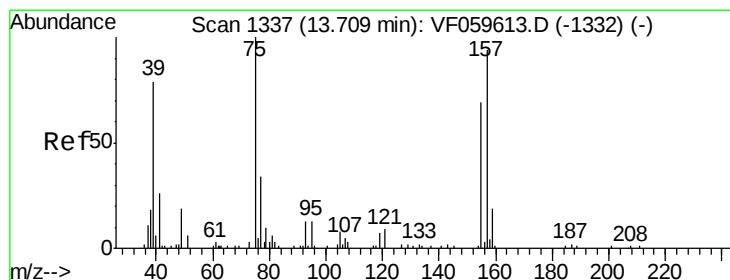
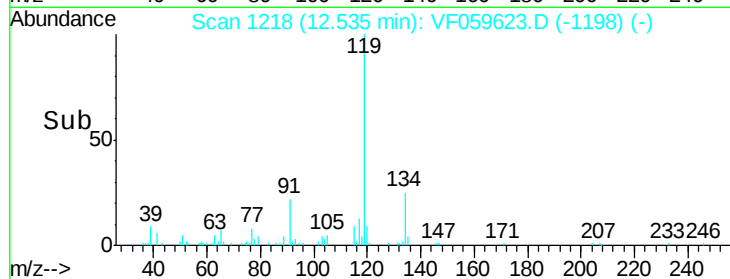
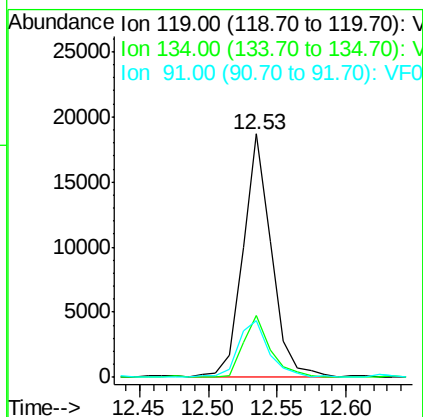
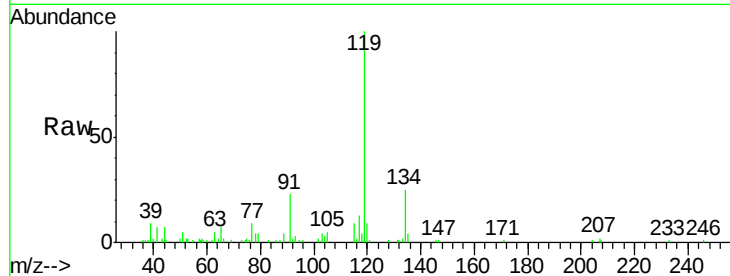




#86
p-Isopropyltoluene
Concen: 7.881 ug/l
RT: 12.53 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

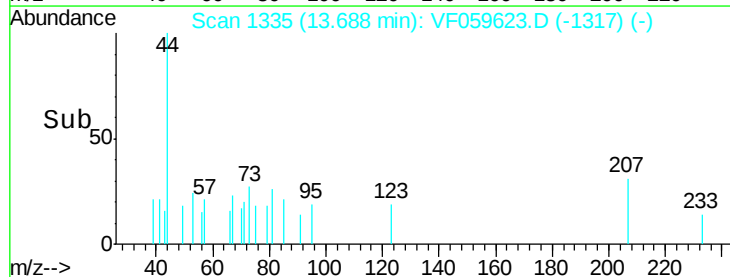
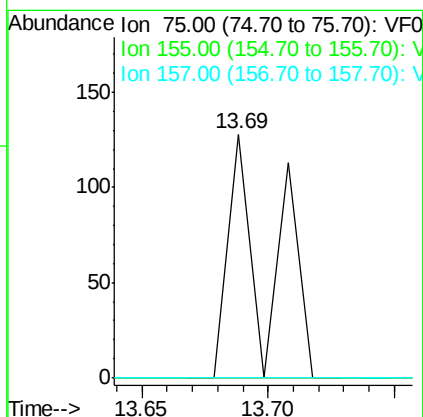
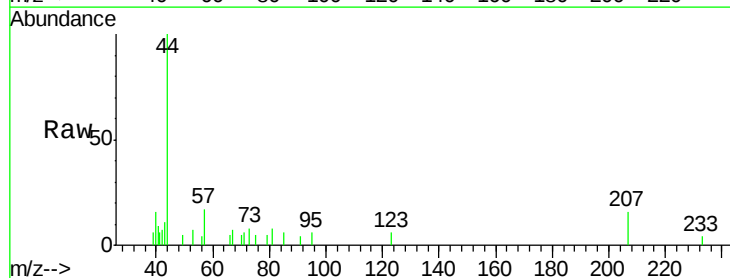
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-03

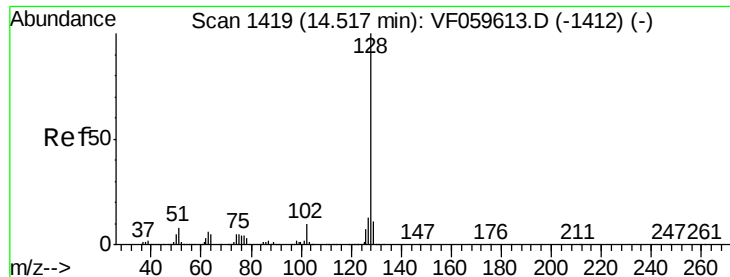
Tgt Ion: 119 Resp: 26927
Ion Ratio Lower Upper
119 100
134 25.2 12.4 37.2
91 23.0 13.9 41.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.043 ug/l
RT: 13.69 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VF059623.D
Acq: 23 Jul 2018 19:32

Tgt Ion: 75 Resp: 143
Ion Ratio Lower Upper
75 100
155 0.0 34.6 103.8#
157 0.0 47.0 141.0#





#95

Naphthalene

Concen: 1.722 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059623.D

Acq: 23 Jul 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-03

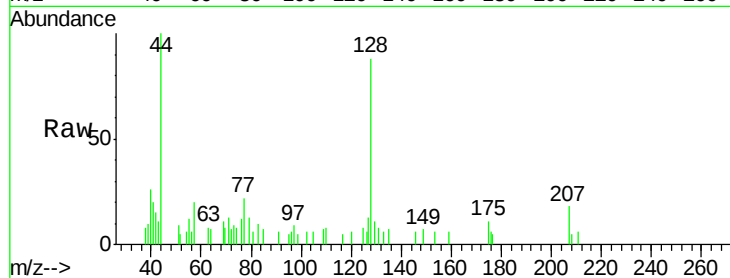
Tgt Ion:128 Resp: 3284

Ion Ratio Lower Upper

128 100

127 14.7 10.2 15.2

129 13.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

