

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061898.D
 Acq On : 11 Mar 2019 19:21
 Operator : VA/AP
 Sample : K1843-01
 Misc : 2.88g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GATE-SOIL-BOX

Quant Time: Mar 12 05:13:42 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	4.86	168	1127	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	1413	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	66	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
35) Dibromofluoromethane	4.09	113	276	27.99	ug/l	-0.03
Spiked Amount			Recovery	=	55.98%	
50) Toluene-d8	7.57	98	1423	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.40	95	198	17.25	ug/l	-0.02
Spiked Amount			Recovery	=	34.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	81	5.854	ug/l #	47
3) Chloromethane	1.13	50	406	30.278	ug/l #	1
4) Vinyl Chloride	1.22	62	127	9.977	ug/l #	43
5) Bromomethane	1.31	94	236	27.204	ug/l #	3
6) Chloroethane	1.34	64	98	16.196	ug/l #	1
8) Diethyl Ether	1.68	74	103	29.134	ug/l	98
11) Tert butyl alcohol	2.45	59	62	133.093	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	67	6.951	ug/l #	1
13) Acrolein	2.05	56	398	674.265	ug/l	99
14) Allyl chloride	2.11	41	654	61.590	ug/l #	20
15) Acrylonitrile	2.94	53	118	79.549	ug/l #	16
16) Acetone	2.27	43	891	518.265	ug/l	95
17) Carbon Disulfide	1.84	76	70	2.333	ug/l #	70
18) Methyl Acetate	2.27	43	891	177.581	ug/l	96
19) Methyl tert-butyl Ether	2.37	73	85	5.213	ug/l #	1
20) Methylene Chloride	2.15	84	76	3.009	ug/l #	10
21) trans-1,2-Dichloroethene	2.37	96	130	14.331	ug/l #	1
22) Diisopropyl ether	2.81	45	218	7.892	ug/l #	26
23) Vinyl Acetate	3.19	43	215	17.424	ug/l #	76
24) 1,1-Dichloroethane	2.91	63	91	5.512	ug/l #	85
25) 2-Butanone	4.34	43	134	38.319	ug/l #	56
26) 2,2-Dichloropropane	3.64	77	70	9.498	ug/l #	55
27) cis-1,2-Dichloroethene	3.45	96	69	5.490	ug/l	1
29) Tetrahydrofuran	4.10	42	63	41.773	ug/l #	33
30) Chloroform	3.80	83	65	3.447	ug/l #	15
31) Cyclohexane	3.64	56	79	4.569	ug/l #	15
32) 1,1,1-Trichloroethane	4.00	97	82	7.055	ug/l #	22
37) Ethyl Acetate	4.11	43	141	25.168	ug/l #	20
39) Methylcyclohexane	5.46	83	79	5.011	ug/l #	72
40) Benzene	4.66	78	121	3.468	ug/l #	1
41) Methacrylonitrile	4.68	41	178	57.991	ug/l #	38
43) Isopropyl Acetate	6.99	43	60	8.688	ug/l #	42
45) 1,2-Dichloropropane	6.30	63	69	8.317	ug/l #	45
48) Methyl methacrylate	6.74	41	77	17.618	ug/l #	1

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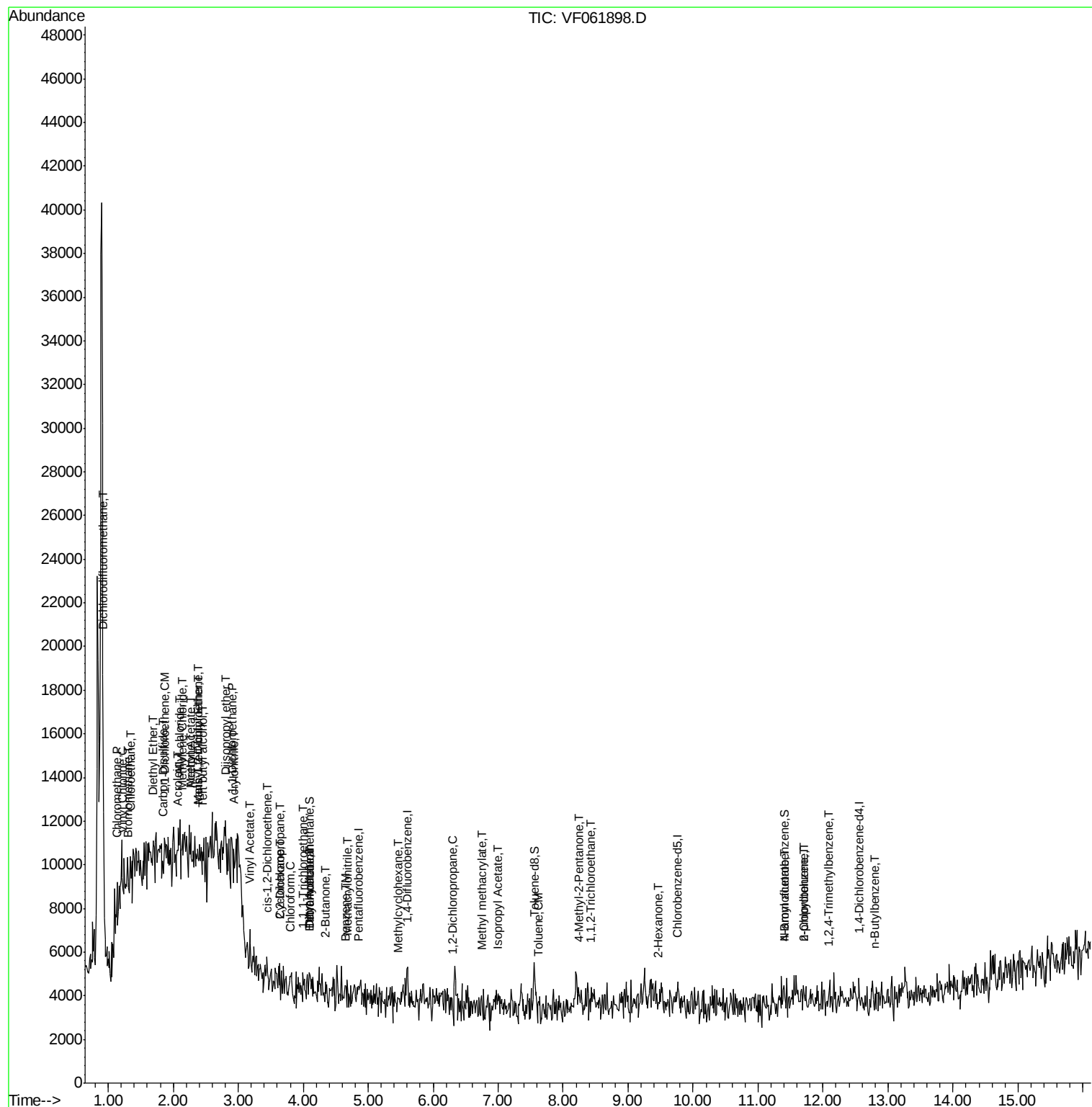
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	8.23	43	238	49.865	ug/l #	35
52) Toluene	7.62	92	96	4.651	ug/l #	1
55) 1,1,2-Trichloroethane	8.44	97	65	10.930	ug/l #	15
59) 2-Hexanone	9.47	43	85	24.686	ug/l #	22
74) N-amyl acetate	11.40	43	218	208.405	ug/l #	42
78) n-propylbenzene	11.71	91	67	13.057	ug/l #	54
79) 2-Chlorotoluene	11.71	91	67	22.839	ug/l #	39
84) 1,2,4-Trimethylbenzene	12.08	105	86	24.048	ug/l #	26
89) n-Butylbenzene	12.80	91	62	15.140	ug/l #	26

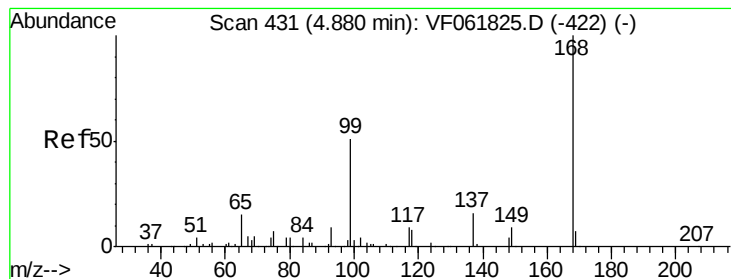
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

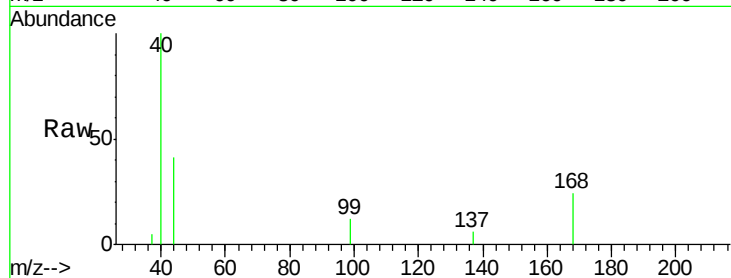
GATE-SOIL-BOX

Tot Ion:168 Resp: 1127

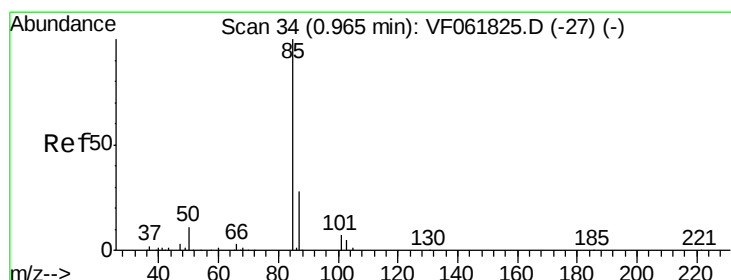
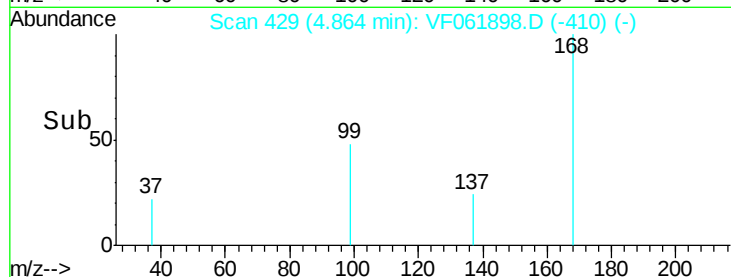
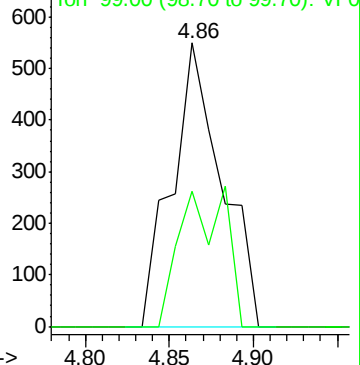
Ion Ratio Lower Upper

168 100

99 47.5 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 5.854 ug/l

RT: 0.93 min Scan# 30

Delta R.T. -0.04 min

Lab File: VF061898.D

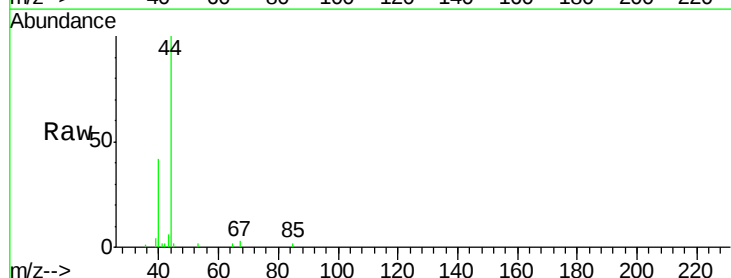
Acq: 11 Mar 2019 19:21

Tgt Ion: 85 Resp: 81

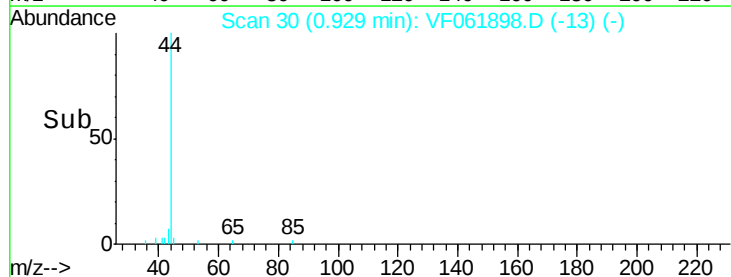
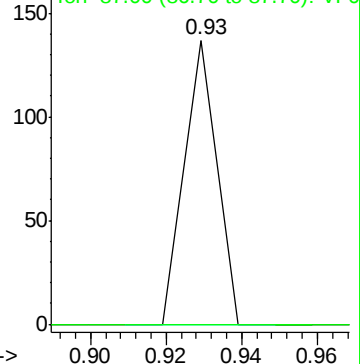
Ion Ratio Lower Upper

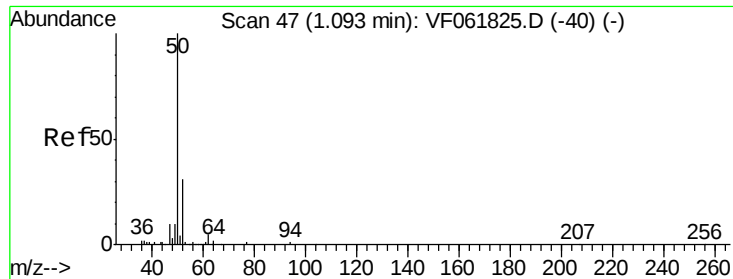
85 100

87 0.0 14.1 42.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 30.278 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.03 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

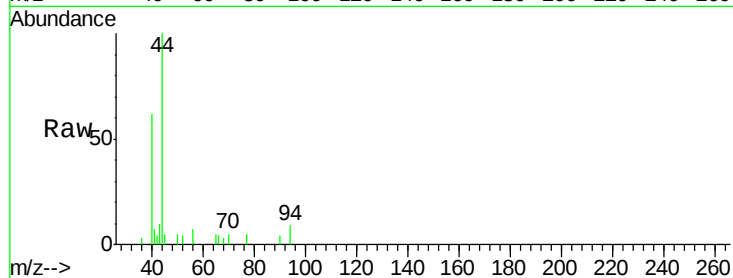
GATE-SOIL-BOX

Tot Ion: 50 Resp: 406

Ion Ratio Lower Upper

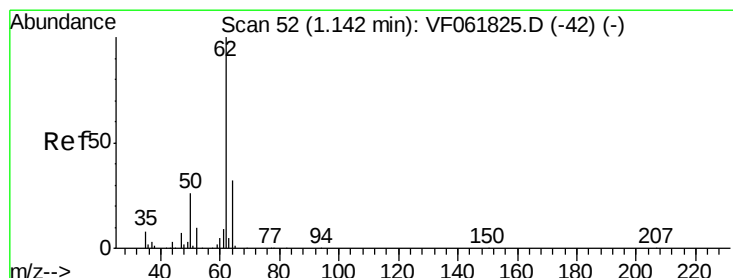
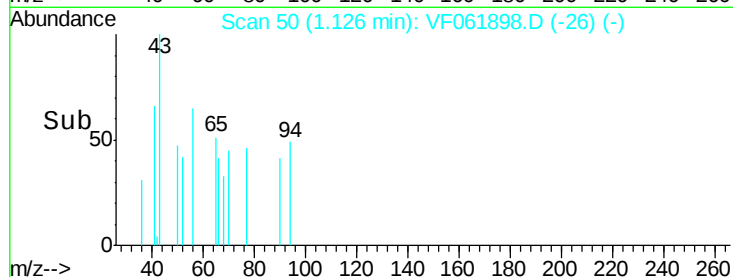
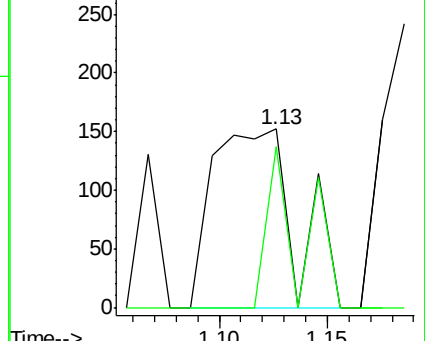
50 100

52 90.1 23.8 35.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 9.977 ug/l

RT: 1.22 min Scan# 60

Delta R.T. 0.08 min

Lab File: VF061898.D

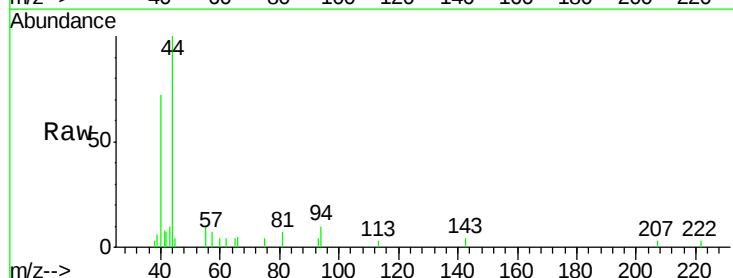
Acq: 11 Mar 2019 19:21

Tgt Ion: 62 Resp: 127

Ion Ratio Lower Upper

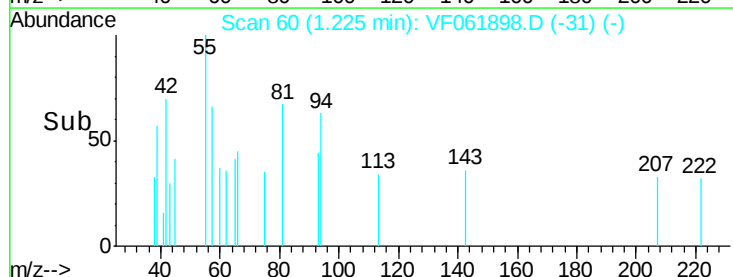
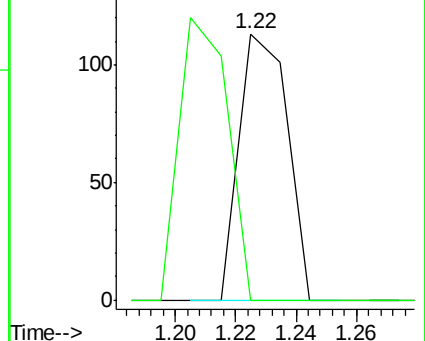
62 100

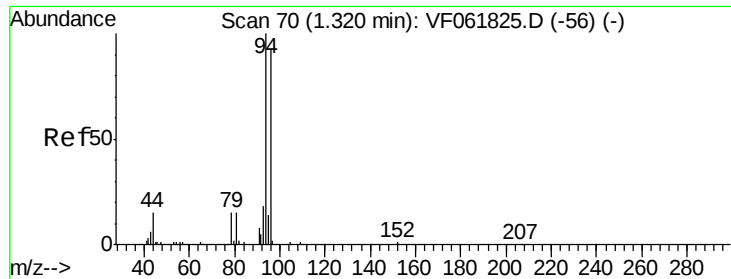
64 0.0 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 27.204 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

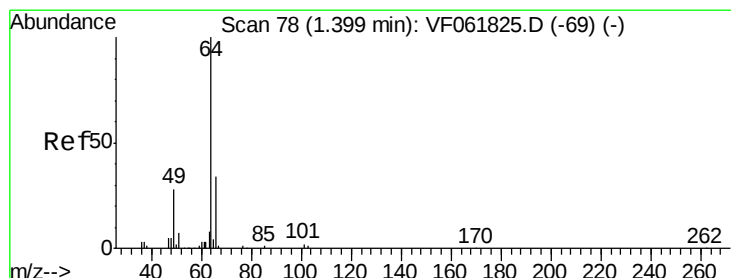
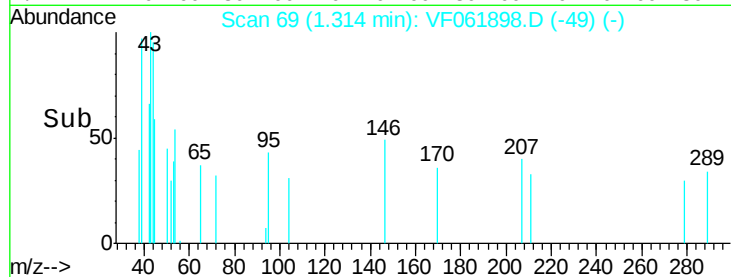
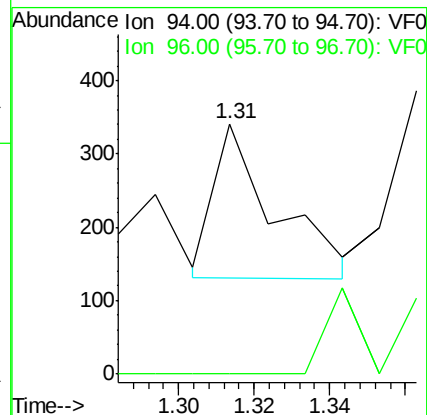
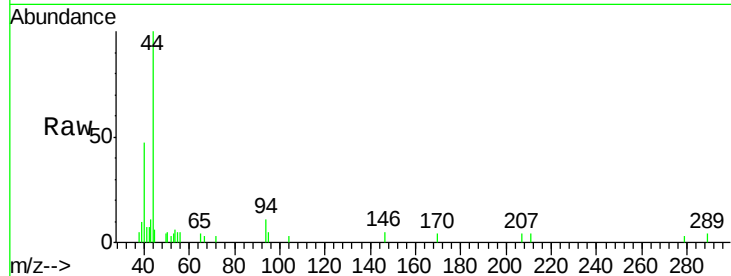
GATE-SOIL-BOX

Tot Ion: 94 Resp: 236

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



#6

Chloroethane

Concen: 16.196 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.06 min

Lab File: VF061898.D

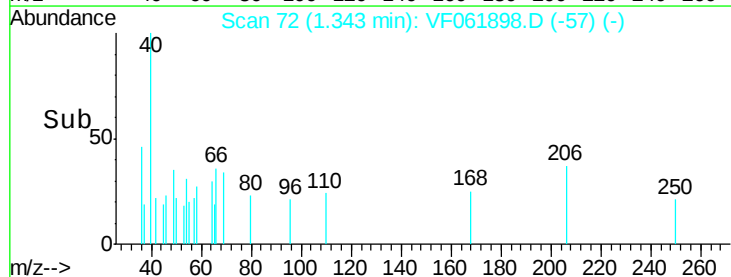
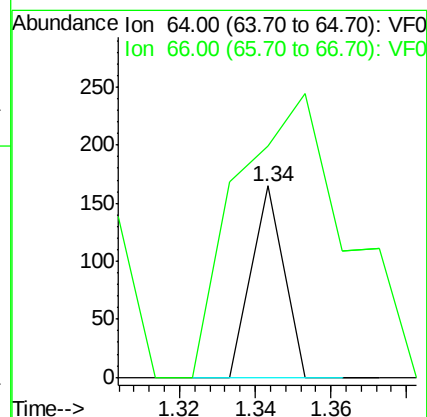
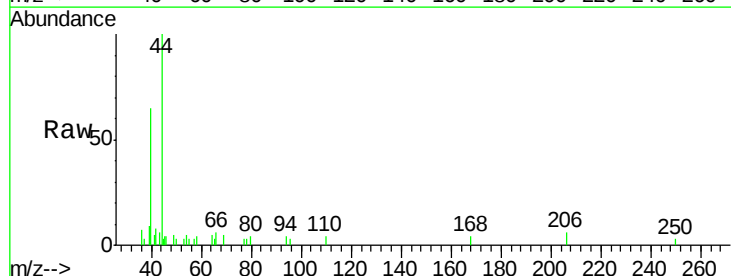
Acq: 11 Mar 2019 19:21

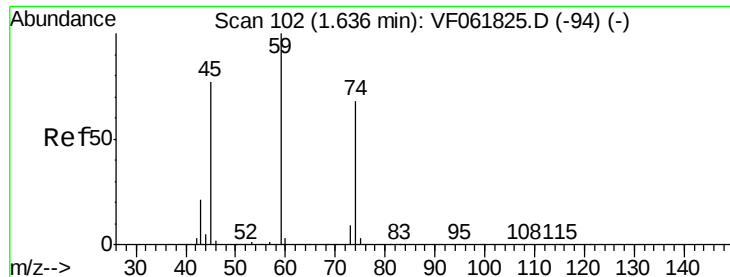
Tgt Ion: 64 Resp: 98

Ion Ratio Lower Upper

64 100

66 120.6 27.0 40.4#





#8

Diethyl Ether

Concen: 29.134 ug/l

RT: 1.68 min Scan# 106

Delta R.T. 0.04 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

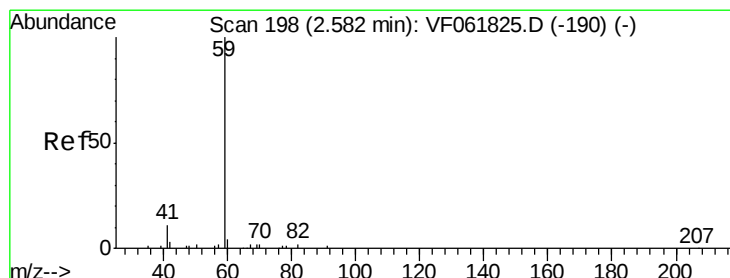
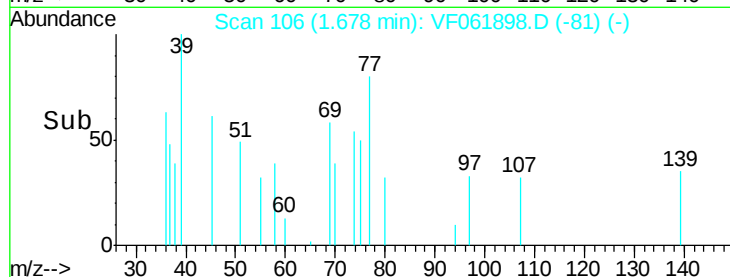
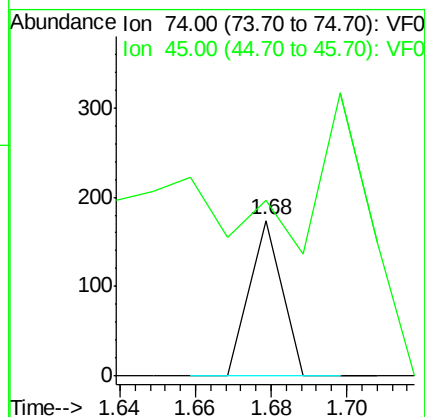
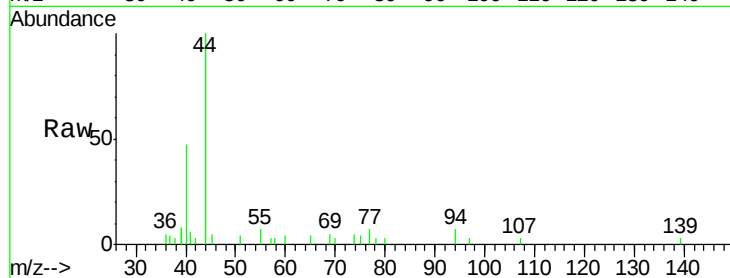
GATE-SOIL-BOX

Tot Ion: 74 Resp: 103

Ion Ratio Lower Upper

74 100

45 112.6 57.2 171.6



#11

Tert butyl alcohol

Concen: 133.093 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.13 min

Lab File: VF061898.D

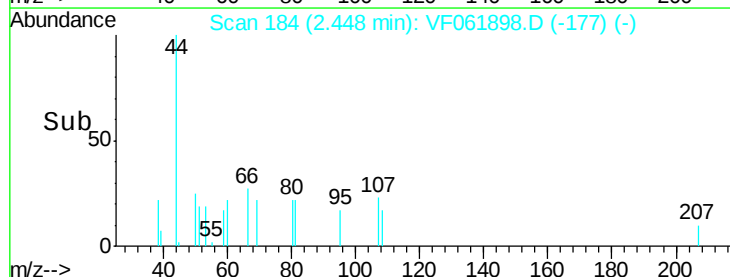
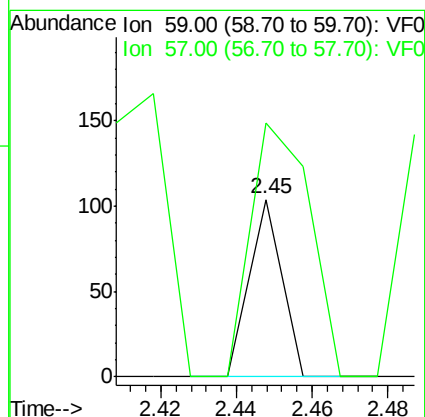
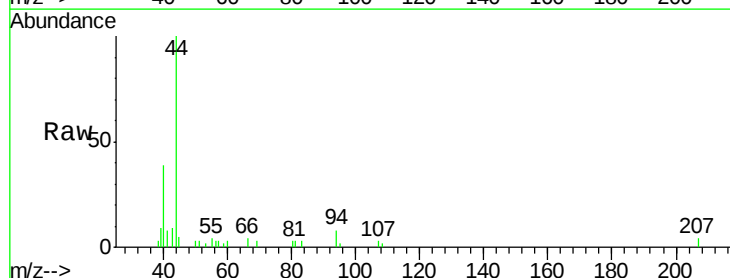
Acq: 11 Mar 2019 19:21

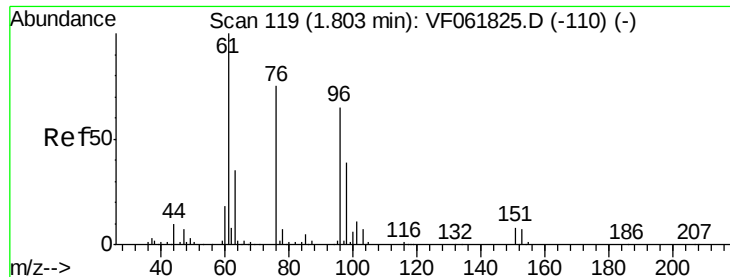
Tgt Ion: 59 Resp: 62

Ion Ratio Lower Upper

59 100

57 143.3 11.8 17.6#

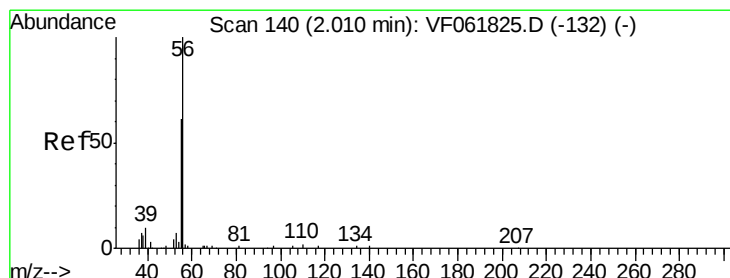
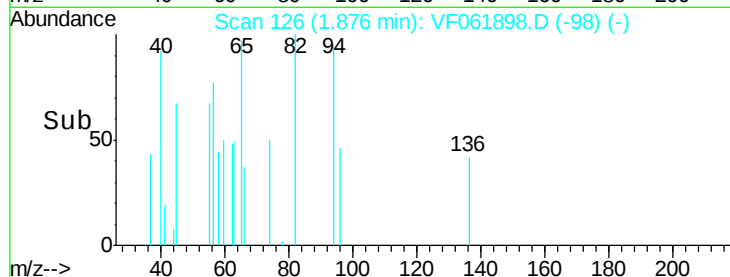
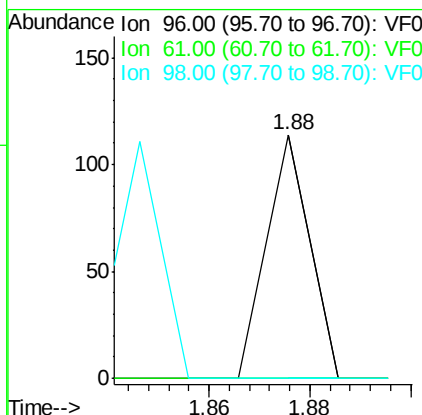
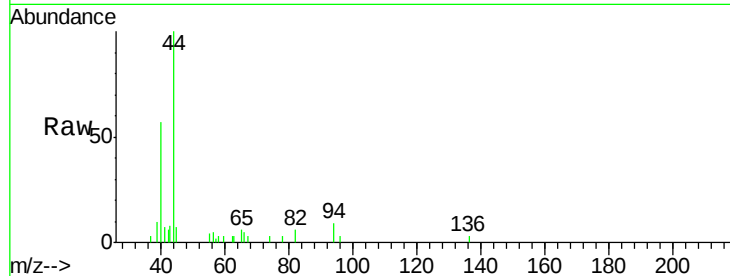




#12
 1,1-Dichloroethene
 Concen: 6.951 ug/l
 RT: 1.88 min Scan# 126
 Delta R.T. 0.07 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

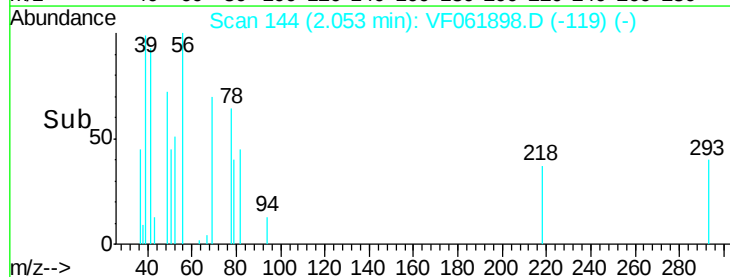
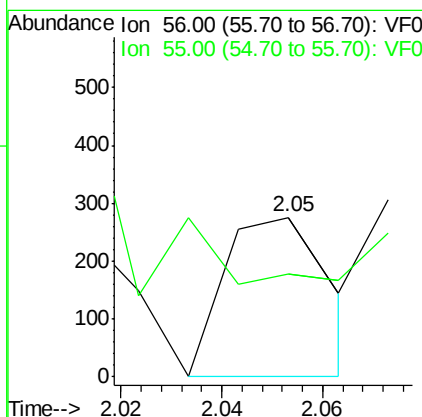
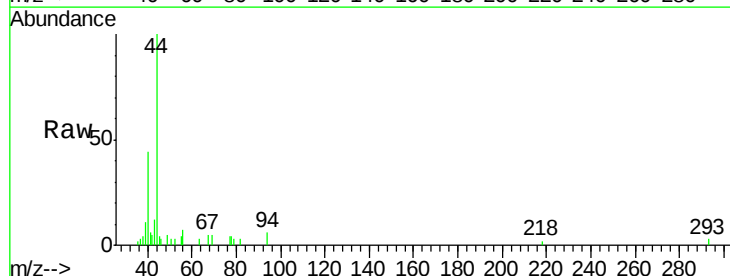
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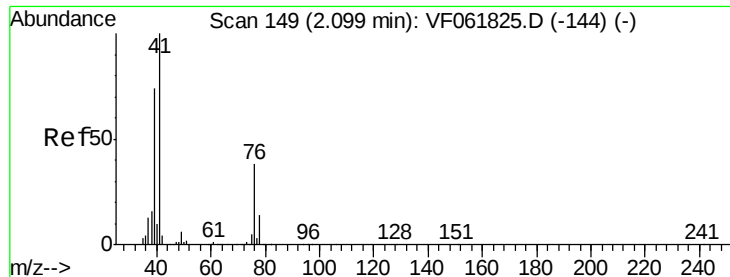
Tot Ion: 96 Resp: 67
 Ion Ratio Lower Upper
 96 100
 61 0.0 122.5 183.7#
 98 0.0 47.1 70.7#



#13
 Acrolein
 Concen: 674.265 ug/l
 RT: 2.05 min Scan# 144
 Delta R.T. 0.04 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

Tgt Ion: 56 Resp: 398
 Ion Ratio Lower Upper
 56 100
 55 64.7 51.3 76.9





#14

Allvl chloride

Concen: 61.590 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX

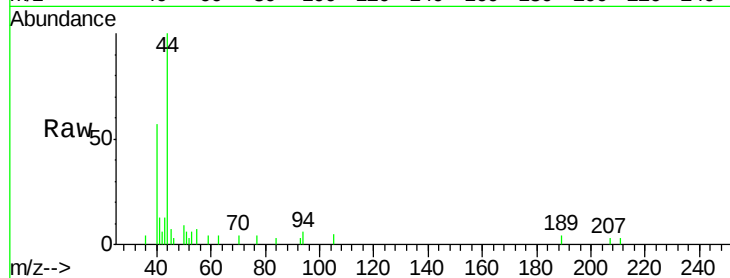
Tot Ion: 41 Resp: 654

Ion Ratio Lower Upper

41 100

39 0.0 59.6 89.4#

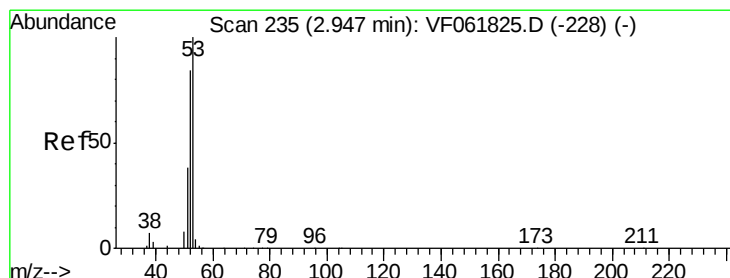
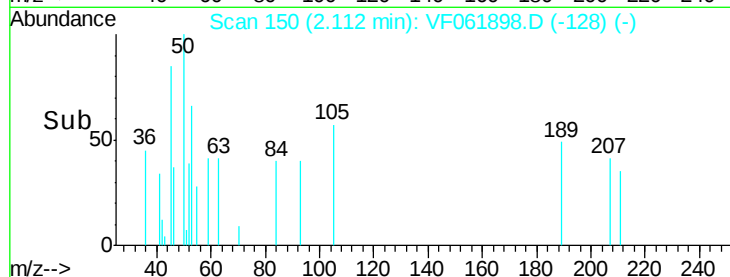
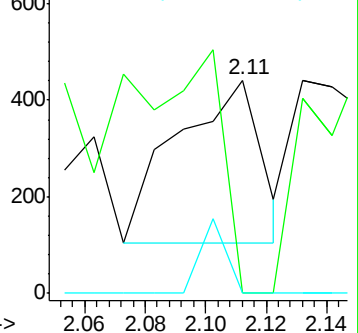
76 0.0 32.3 48.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 79.549 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

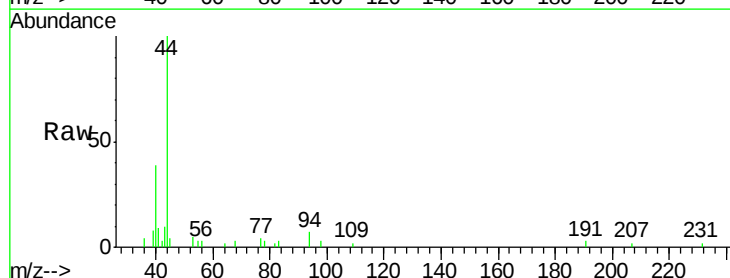
Tgt Ion: 53 Resp: 118

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

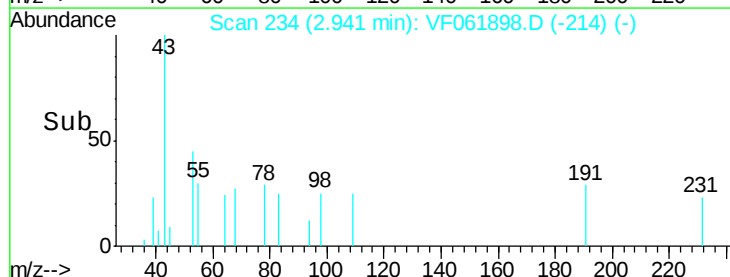
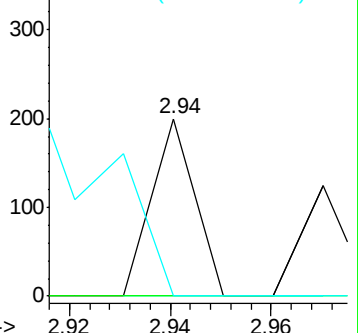
51 0.0 30.7 46.1#

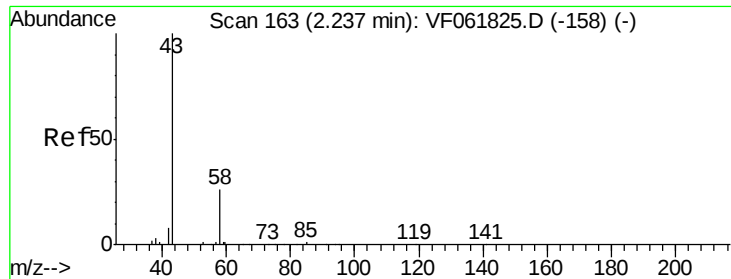


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 518.265 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

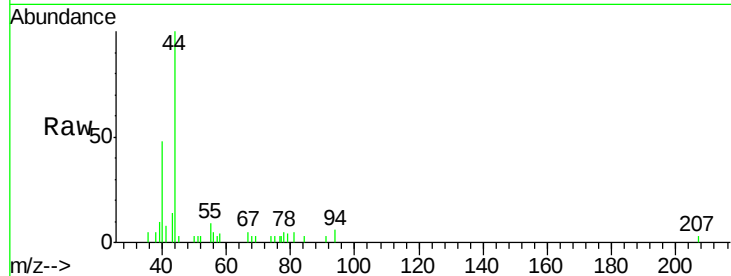
GATE-SOIL-BOX

Tot Ion: 43 Resp: 891

Ion Ratio Lower Upper

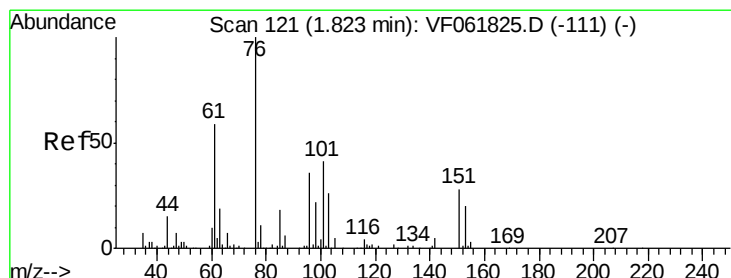
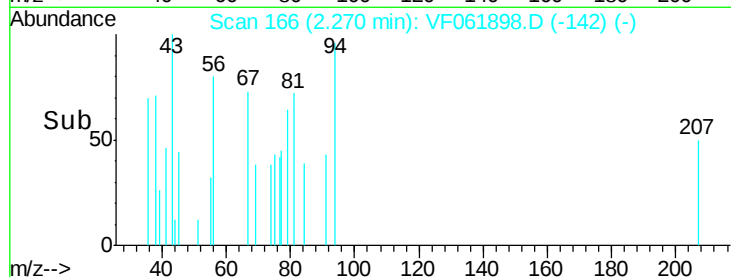
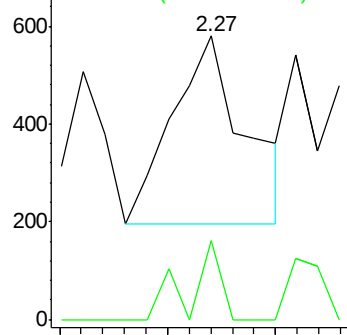
43 100

58 27.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 2.333 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF061898.D

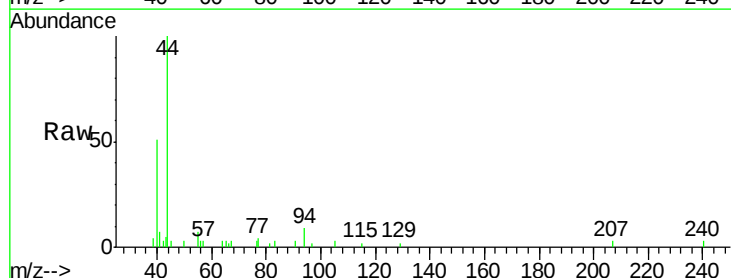
Acq: 11 Mar 2019 19:21

Tgt Ion: 76 Resp: 70

Ion Ratio Lower Upper

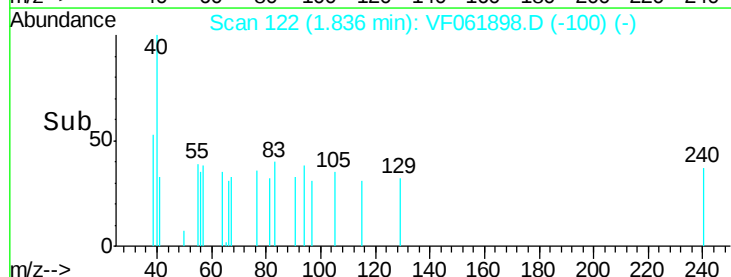
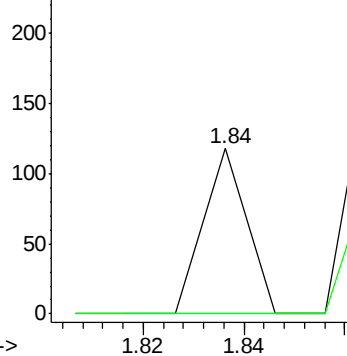
76 100

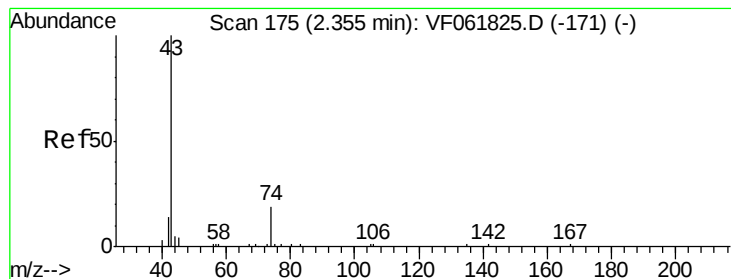
78 0.0 9.1 13.7#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#18

Methyl Acetate

Concen: 177.581 ug/l

RT: 2.27 min Scan# 166

Delta R.T. -0.08 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

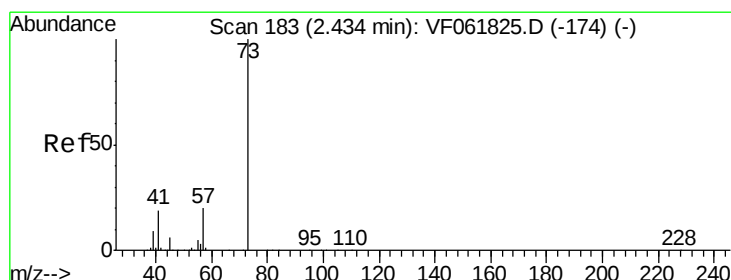
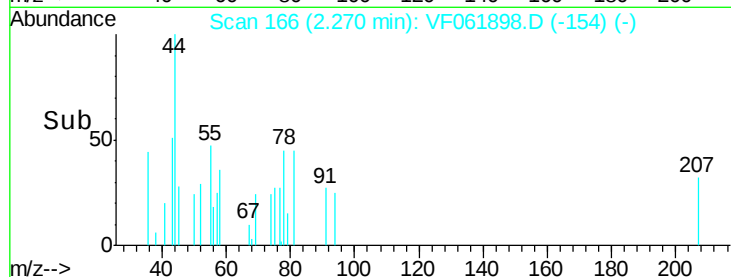
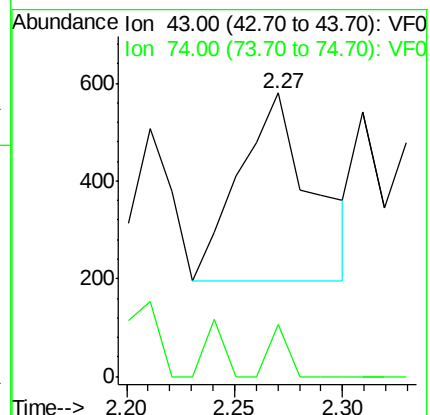
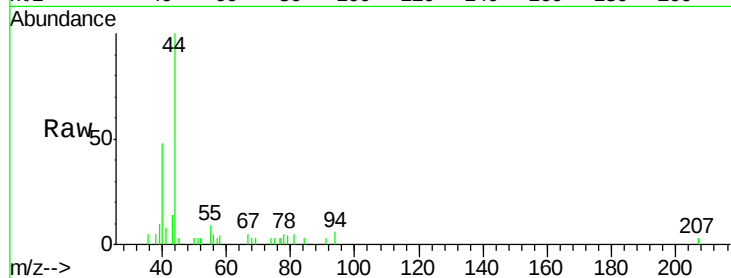
GATE-SOIL-BOX

Tot Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

74 18.3 13.2 19.8



#19

Methyl tert-butyl Ether

Concen: 5.213 ug/l

RT: 2.37 min Scan# 176

Delta R.T. -0.07 min

Lab File: VF061898.D

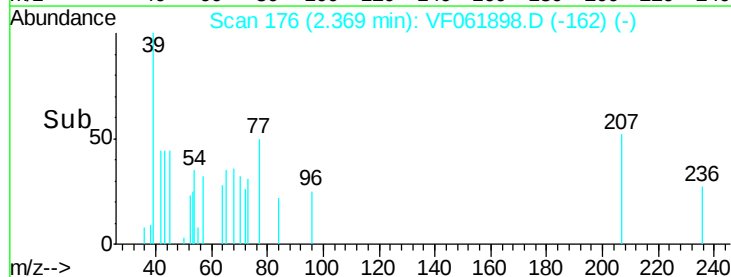
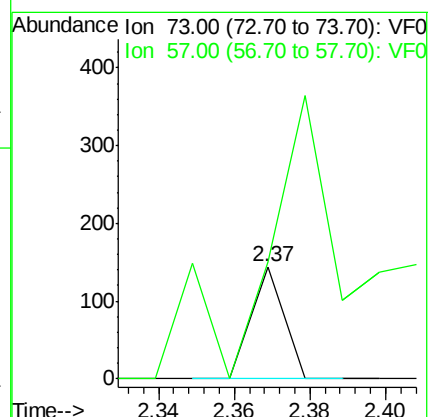
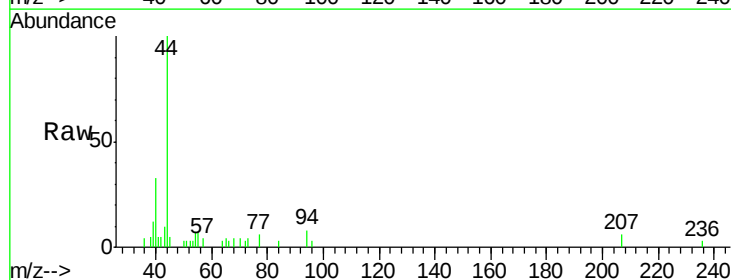
Acq: 11 Mar 2019 19:21

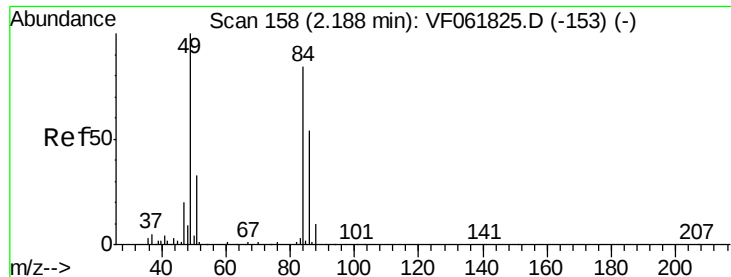
Tgt Ion: 73 Resp: 85

Ion Ratio Lower Upper

73 100

57 104.9 16.1 24.1#





#20

Methylene Chloride

Concen: 3.009 ug/l

RT: 2.15 min Scan# 154

Delta R.T. -0.04 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion: 84 Resp: 76

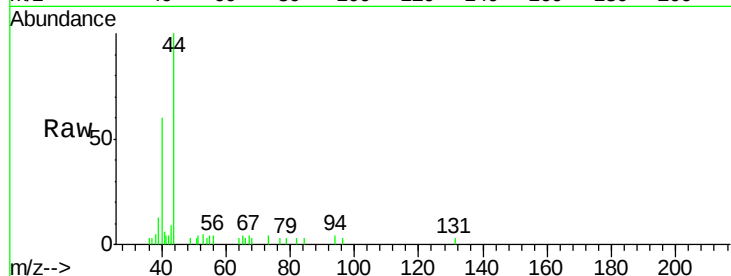
Ion Ratio Lower Upper

84 100

49 79.7 96.8 145.2#

51 203.9 31.8 47.6#

86 0.0 51.6 77.4#

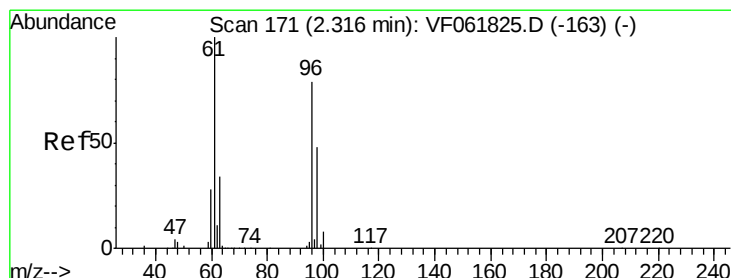
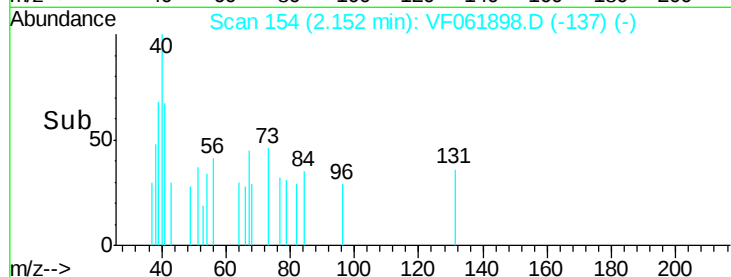
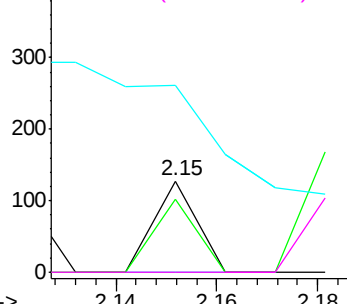


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#21

trans-1,2-Dichloroethene

Concen: 14.331 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.05 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

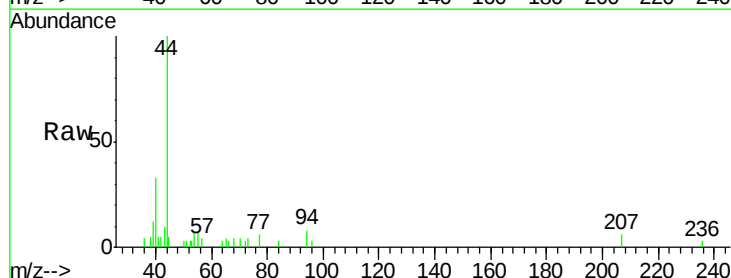
Tgt Ion: 96 Resp: 130

Ion Ratio Lower Upper

96 100

61 0.0 101.0 151.6#

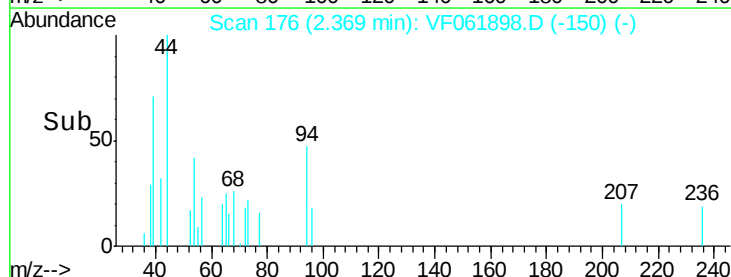
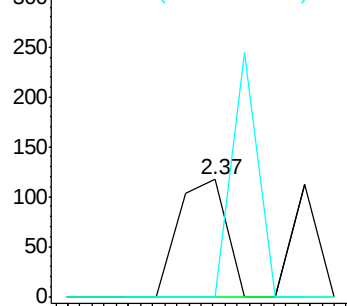
98 0.0 48.8 73.2#

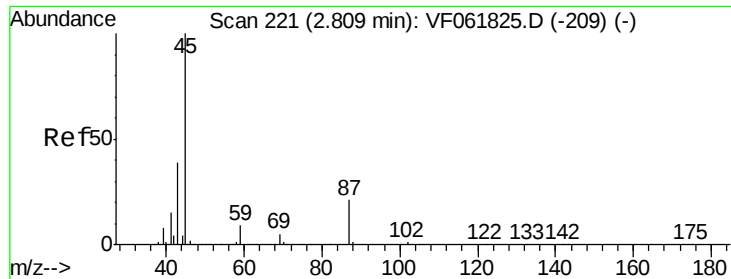


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



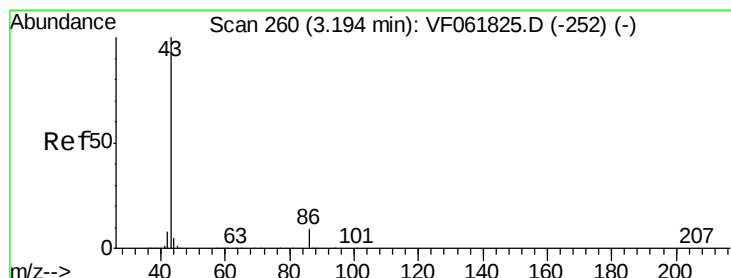
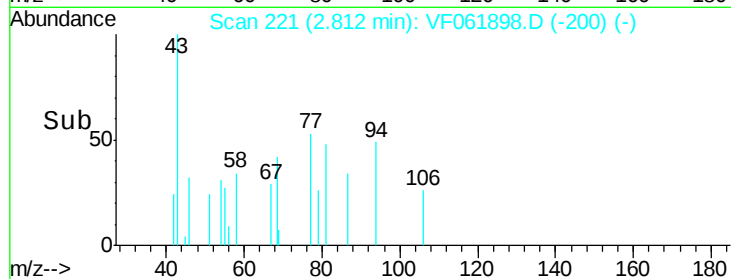
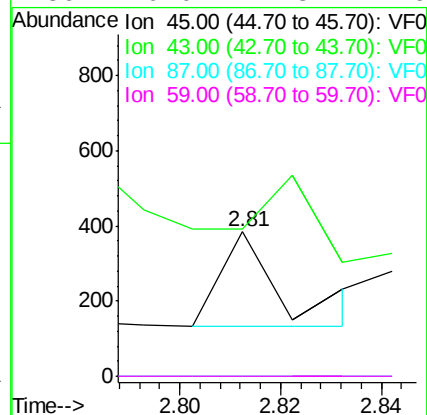
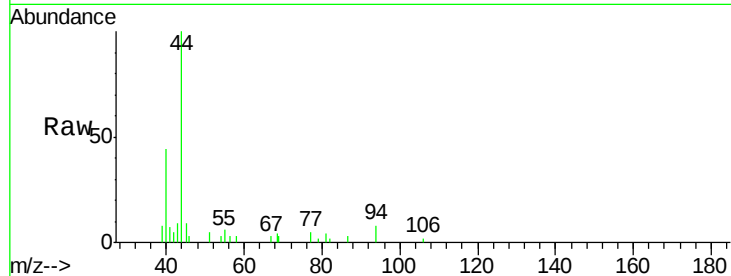


#22

Diisopropyl ether
 Concen: 7.892 ug/l
 RT: 2.81 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

Instrument :
 MSVOA_F
 ClientSampleId :
 GATE-SOIL-BOX

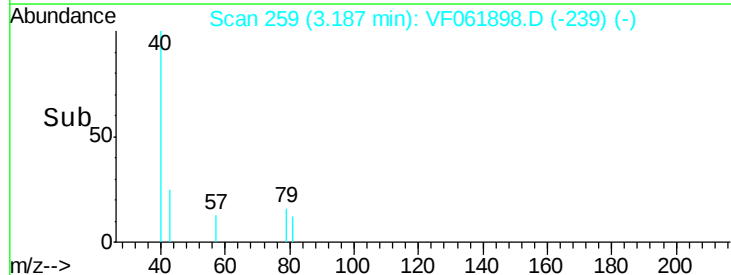
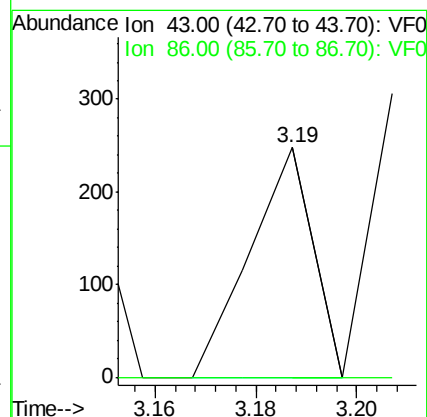
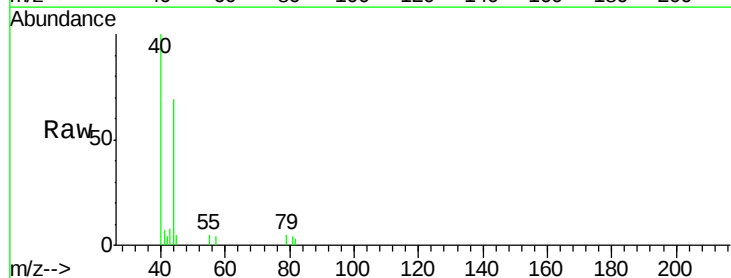
Tot Ion: 45 Resp: 218
 Ion Ratio Lower Upper
 45 100
 43 101.6 31.8 47.8#
 87 0.0 17.1 25.7#
 59 0.0 7.8 11.6#

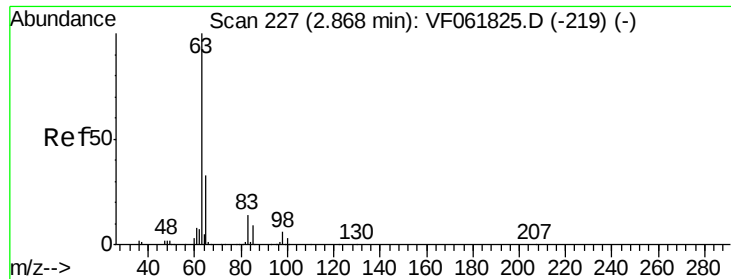


#23

Vinyl Acetate
 Concen: 17.424 ug/l
 RT: 3.19 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

Tgt Ion: 43 Resp: 215
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.0 10.4#





#24

1,1-Dichloroethane

Concen: 5.512 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.04 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX

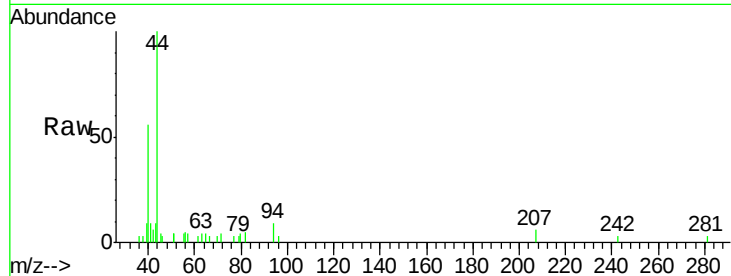
Tot Ion: 63 Resp: 91

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

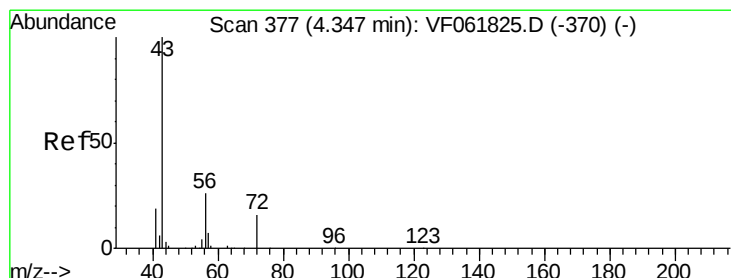
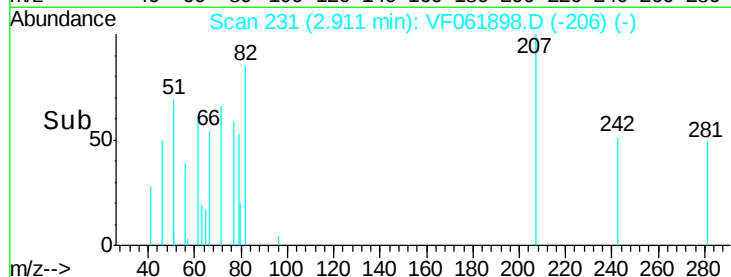
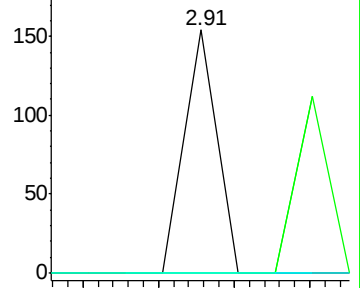
100 0.0 1.8 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 38.319 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061898.D

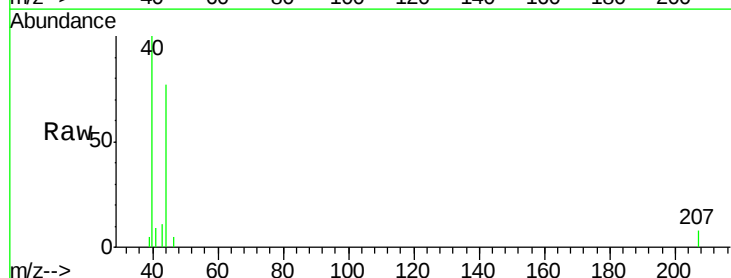
Acq: 11 Mar 2019 19:21

Tgt Ion: 43 Resp: 134

Ion Ratio Lower Upper

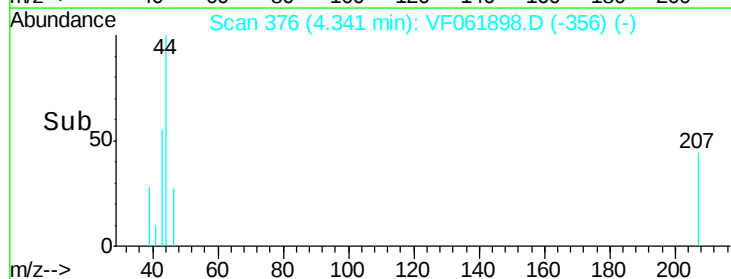
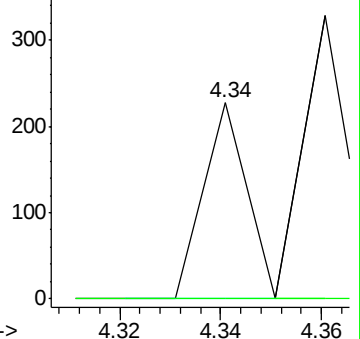
43 100

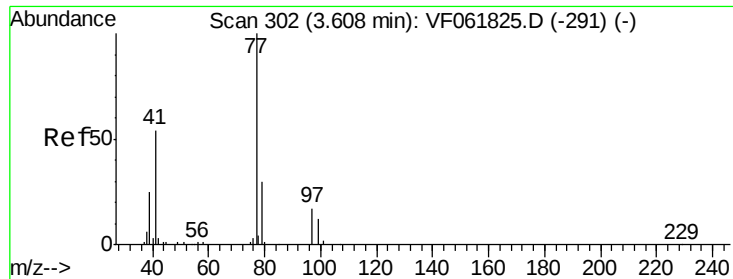
72 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 9.498 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.03 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

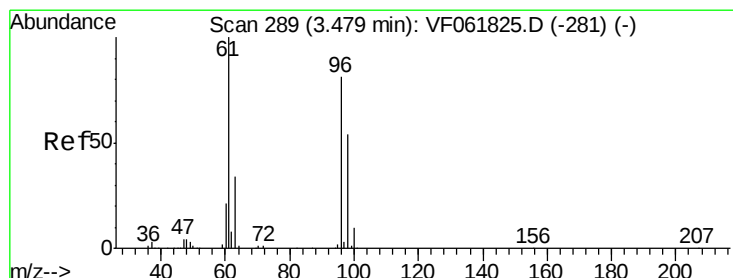
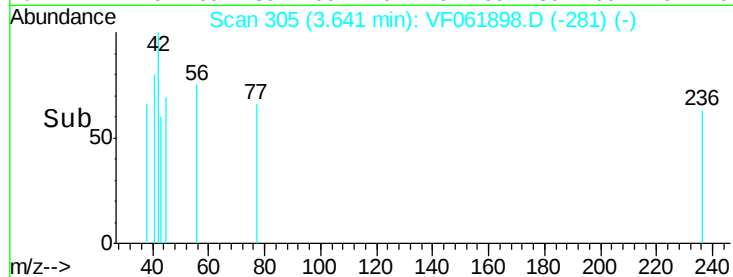
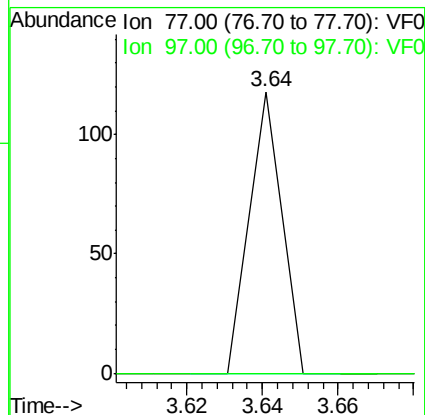
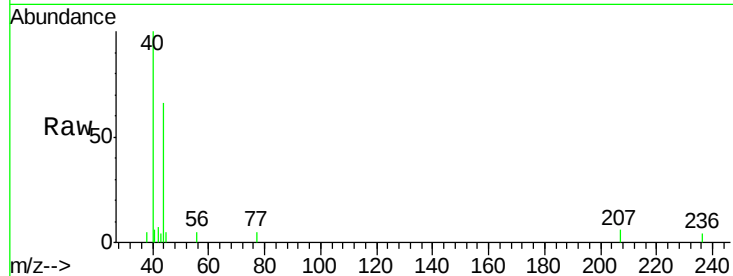
GATE-SOIL-BOX

Tot Ion: 77 Resp: 70

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#27

cis-1,2-Dichloroethene

Concen: 5.490 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.03 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

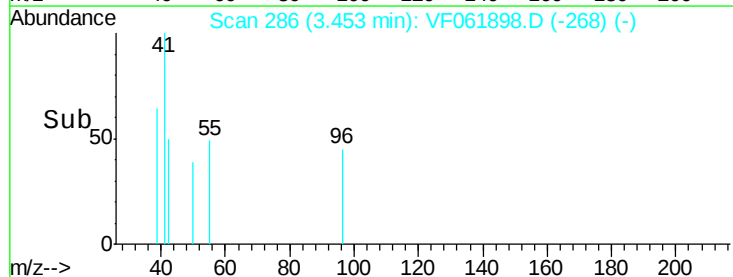
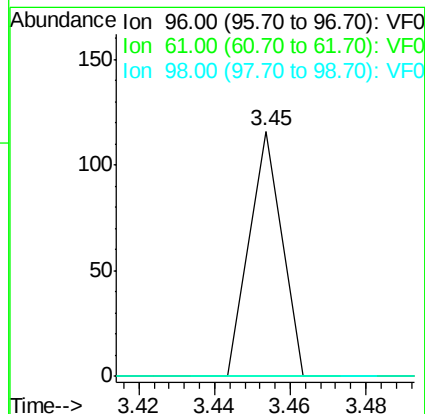
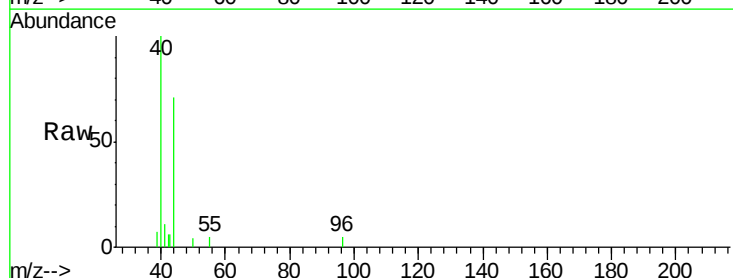
Tgt Ion: 96 Resp: 69

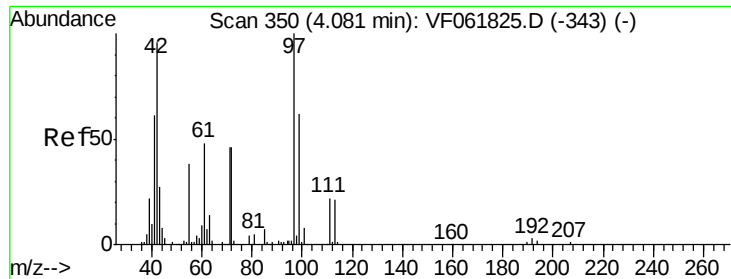
Ion Ratio Lower Upper

96 100

61 0.0 0.0 245.8

98 0.0 0.0 132.6

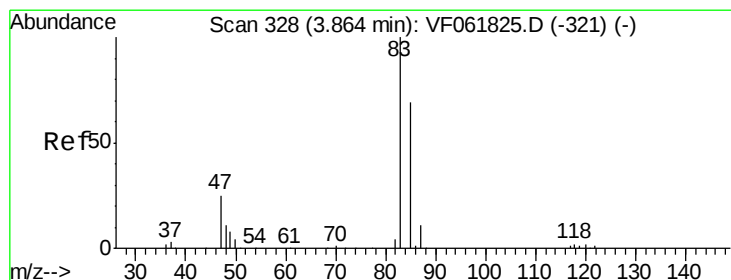
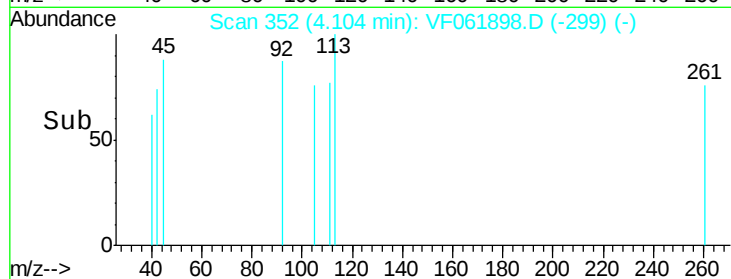
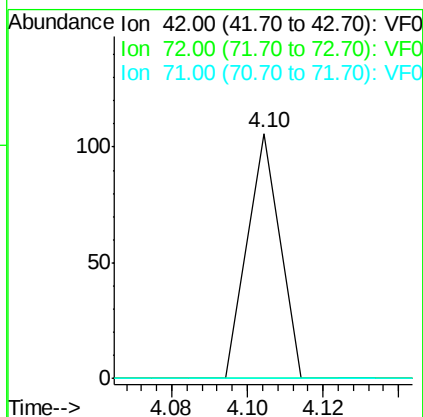
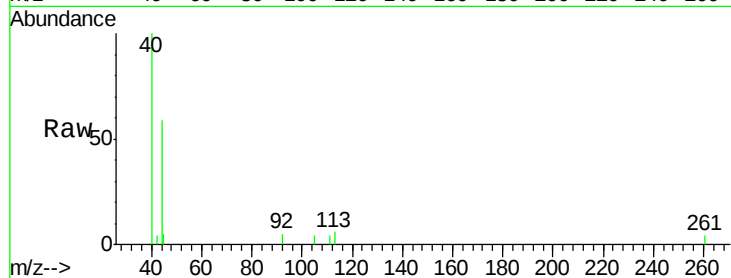




#29
Tetrahydrofuran
Concen: 41.773 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.02 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

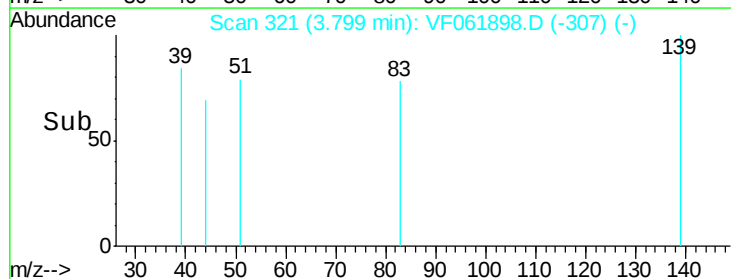
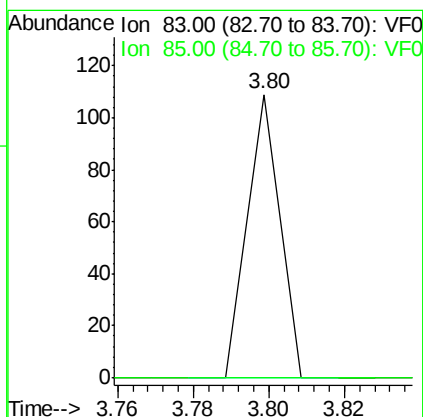
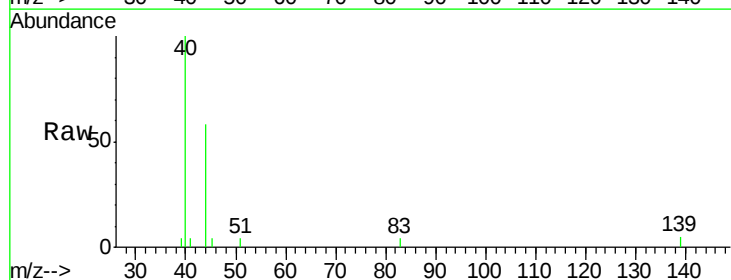
Instrument :
MSVOA_F
ClientSampleId :
GATE-SOIL-BOX

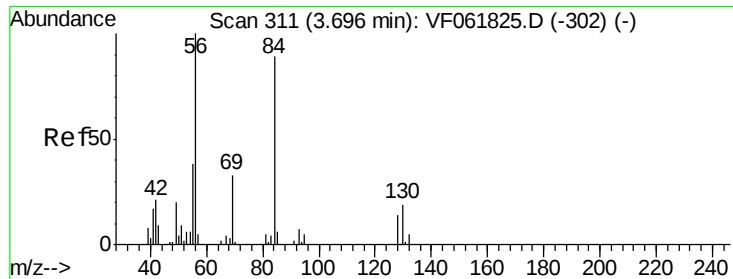
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.4	51.6#
71	0.0	34.6	52.0#



#30
Chloroform
Concen: 3.447 ug/l
RT: 3.80 min Scan# 321
Delta R.T. -0.07 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	55.3	82.9#

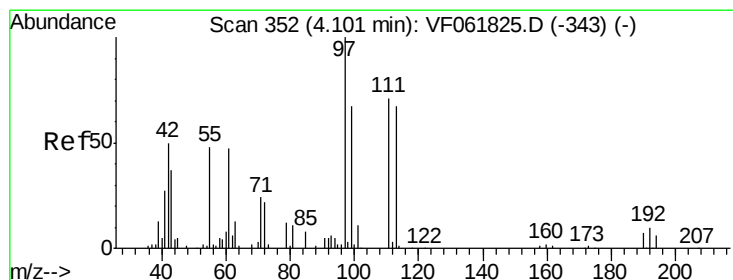
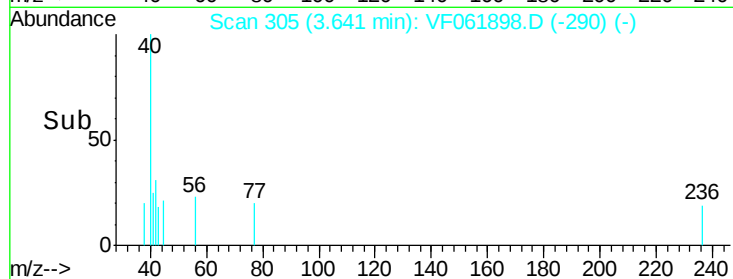
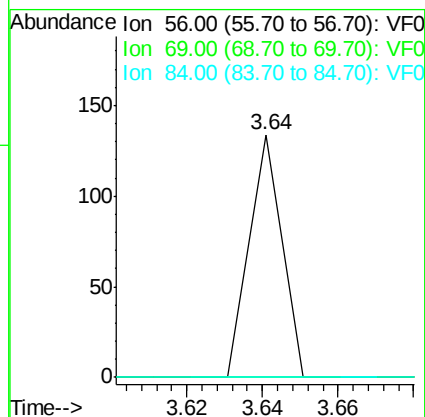
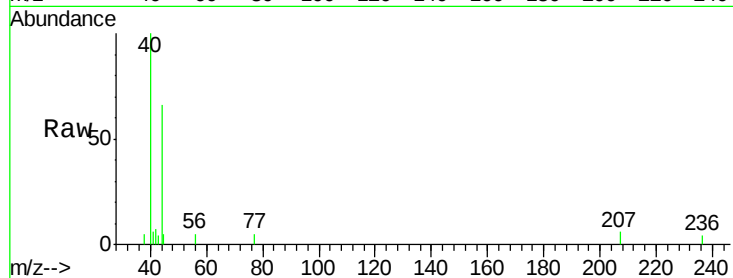




#31
Cyclohexane
Concen: 4.569 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.06 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

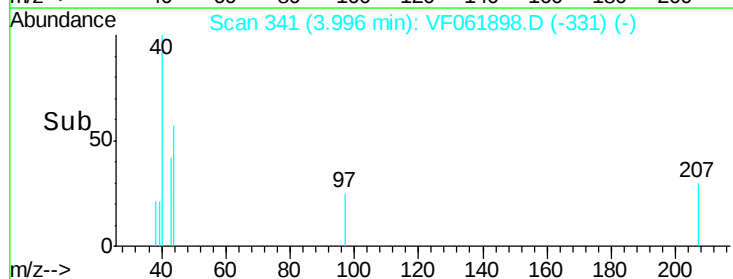
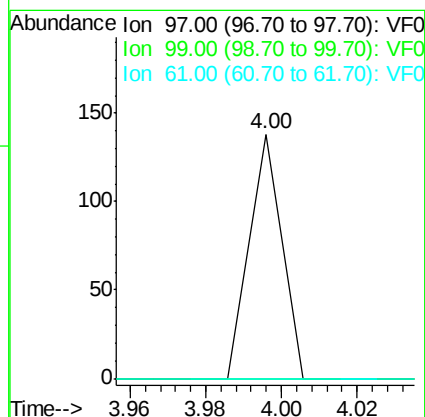
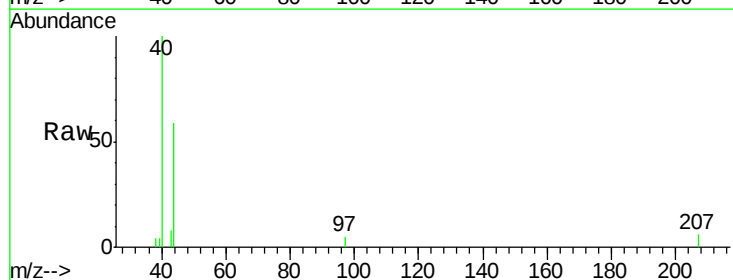
Instrument :
MSVOA_F
ClientSampleId :
GATE-SOIL-BOX

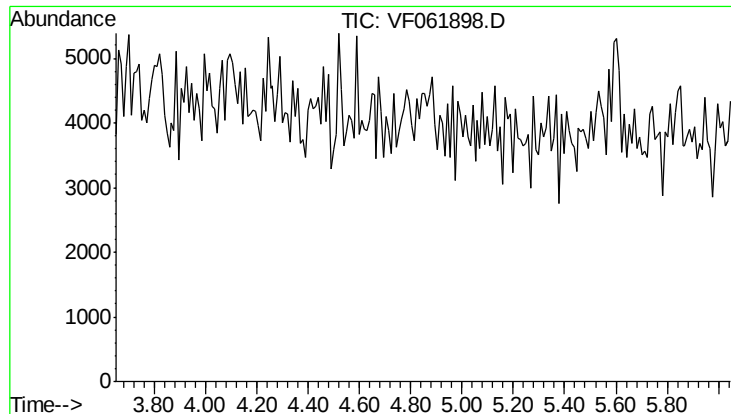
Tot Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.0	39.0#
84	0.0	71.0	106.6#



#32
1,1,1-Trichloroethane
Concen: 7.055 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.10 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.8	80.8#
61	0.0	37.9	56.9#

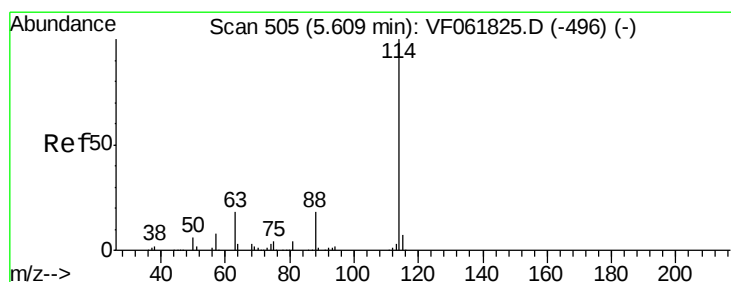
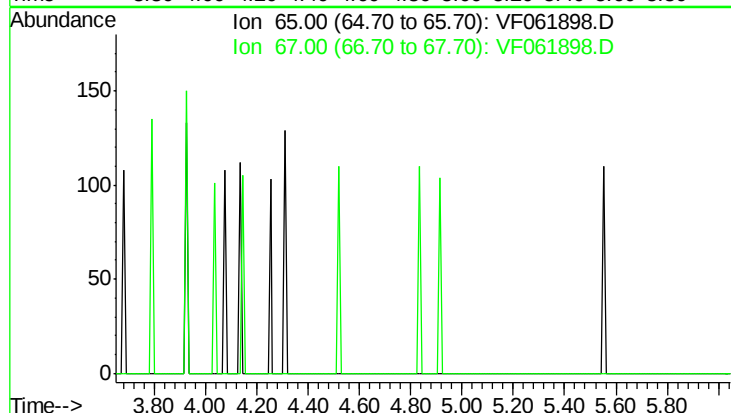




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 4.85 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

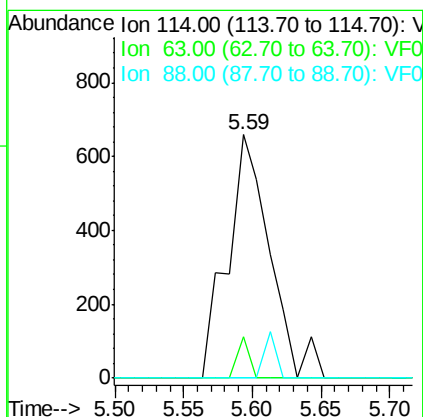
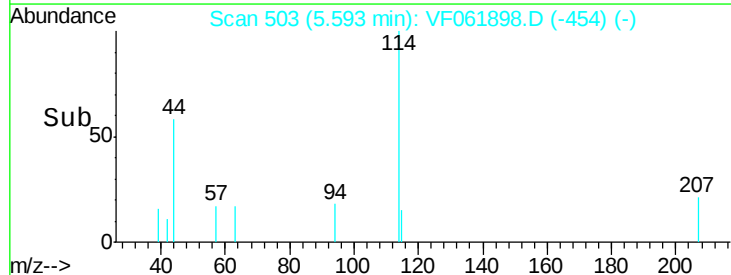
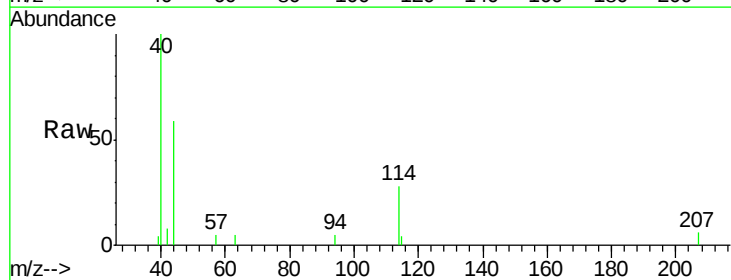
Instrument :
 MSVOA_F
 ClientSampleId :
 GATE-SOIL-BOX

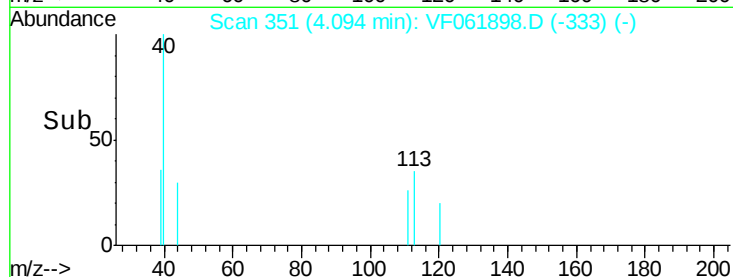
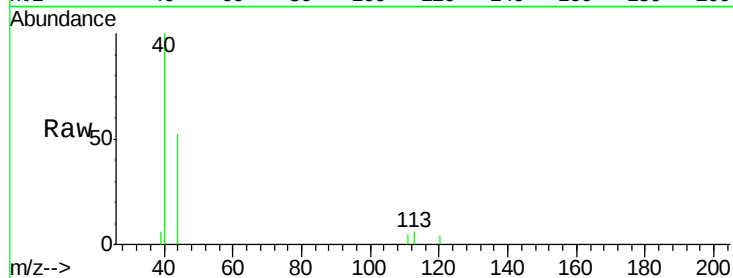
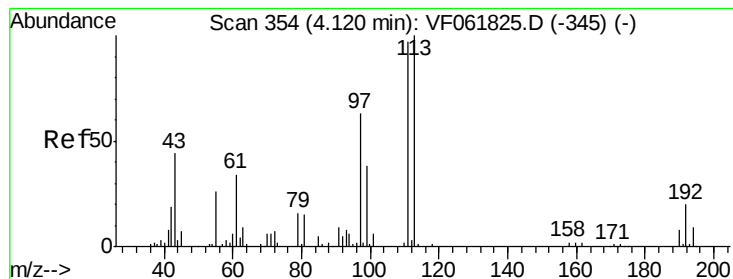
Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 54.3



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

Tgt Ion:114 Resp: 1413
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.6
 88 0.0 0.0 35.6





#35

Dibromofluoromethane

Concen: 27.989 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX

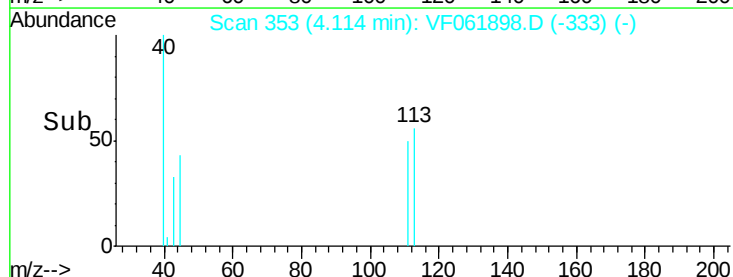
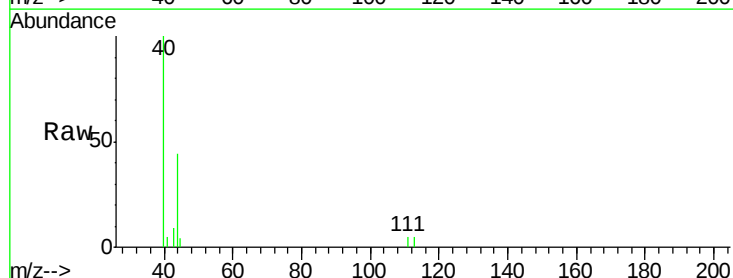
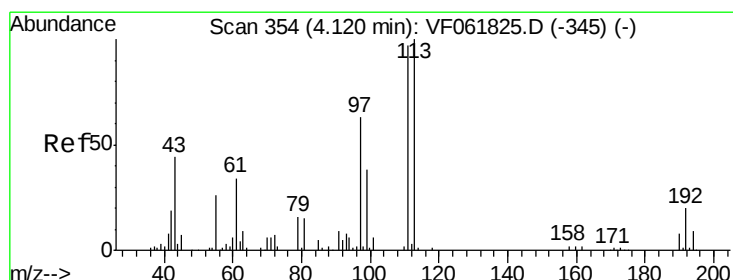
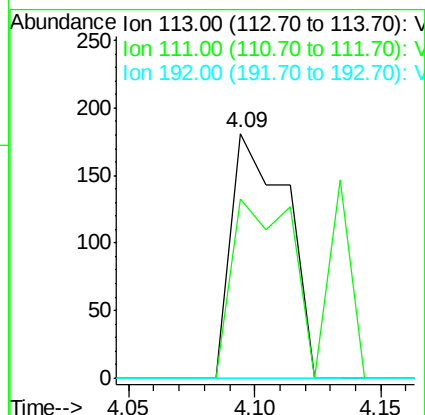
Tot Ion:113 Resp: 276

Ion Ratio Lower Upper

113 100

111 73.5 77.6 116.4#

192 0.0 15.9 23.9#



#37

Ethyl Acetate

Concen: 25.168 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

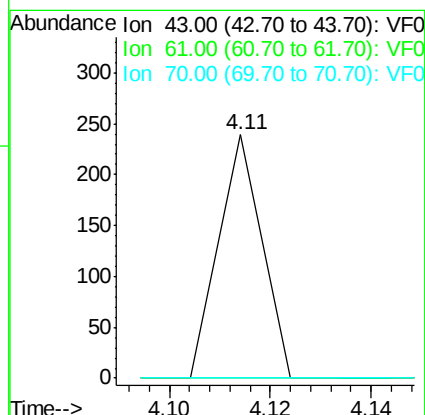
Tgt Ion: 43 Resp: 141

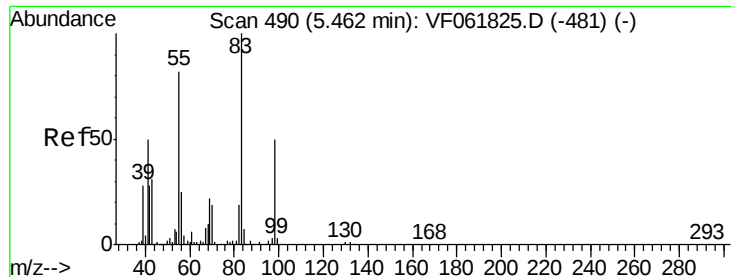
Ion Ratio Lower Upper

43 100

61 0.0 60.7 91.1#

70 0.0 10.6 15.8#

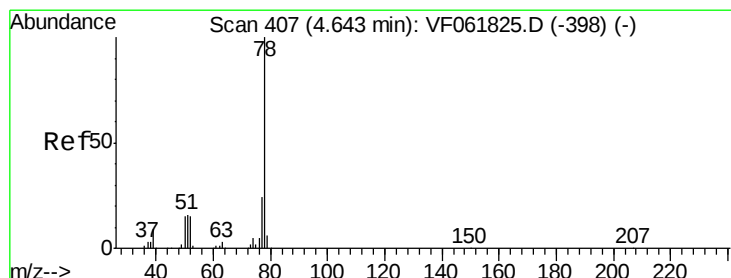
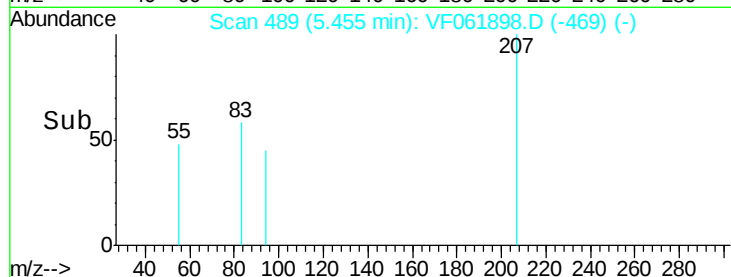
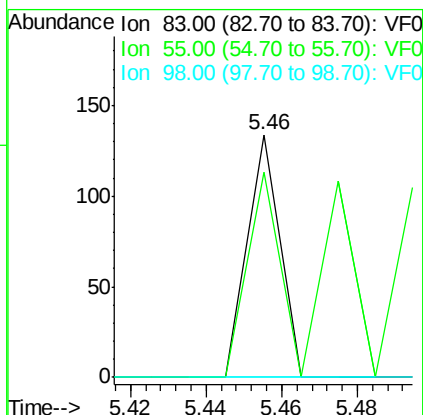
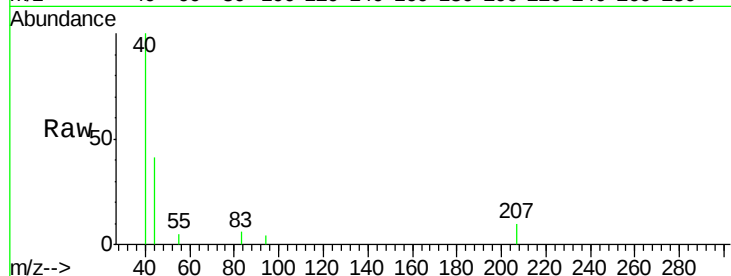




#39
Methylcyclohexane
Concen: 5.011 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

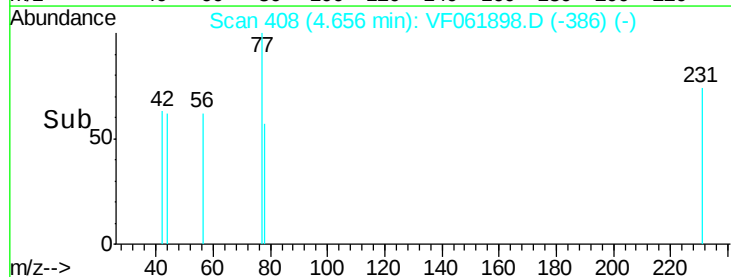
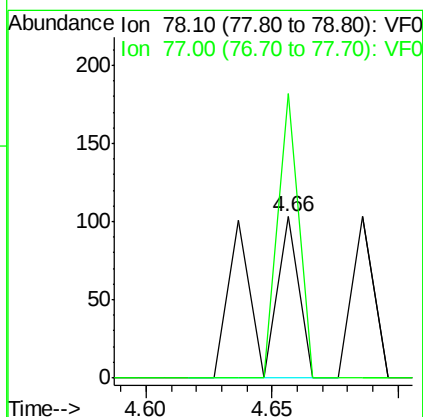
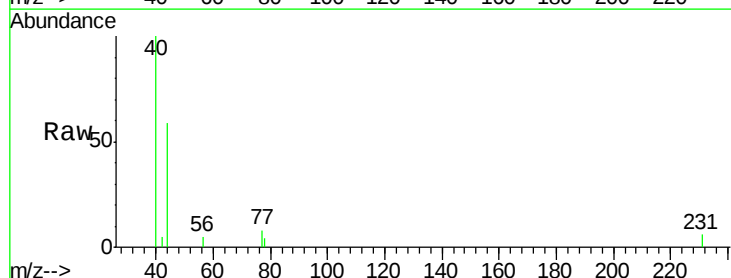
Instrument :
MSVOA_F
ClientSampleId :
GATE-SOIL-BOX

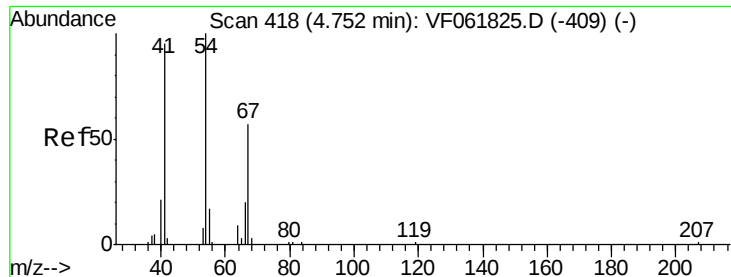
Tot Ion: 83 Resp: 79
Ion Ratio Lower Upper
83 100
55 84.3 66.0 99.0
98 0.0 39.8 59.6#



#40
Benzene
Concen: 3.468 ug/l
RT: 4.66 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

Tgt Ion: 78 Resp: 121
Ion Ratio Lower Upper
78 100
77 176.7 19.5 29.3#





#41

Methacrylonitrile

Concen: 57.991 ug/l

RT: 4.68 min Scan# 410

Delta R.T. -0.08 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion: 41 Resp: 178

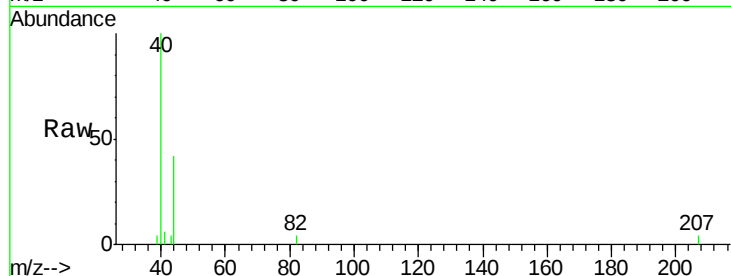
Ion Ratio Lower Upper

41 100

39 76.4 43.0 64.6#

67 0.0 47.8 71.8#

52 0.0 40.5 60.7#

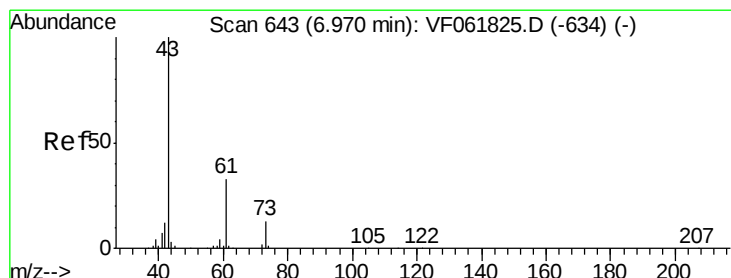
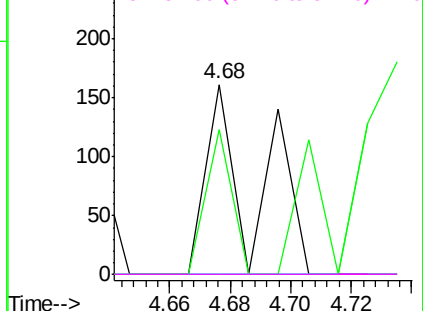
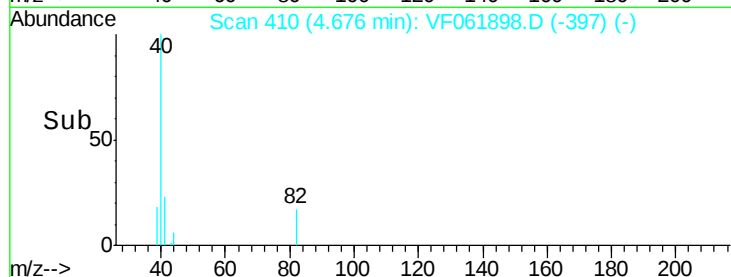


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#43

Isopropyl Acetate

Concen: 8.688 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.02 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

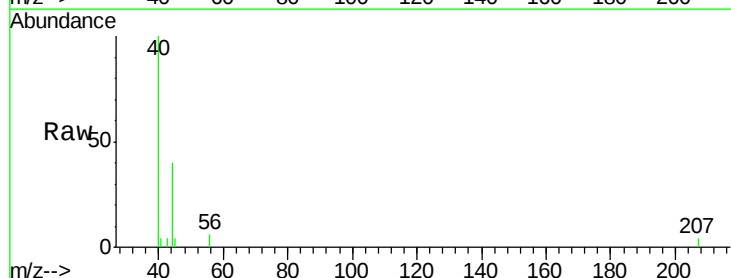
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

61 0.0 26.1 39.1#

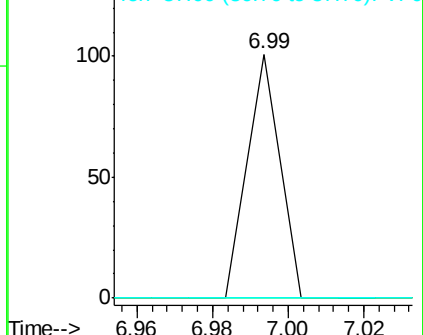
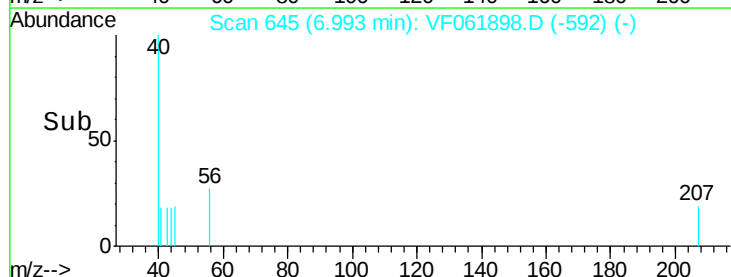
87 0.0 0.0 0.0

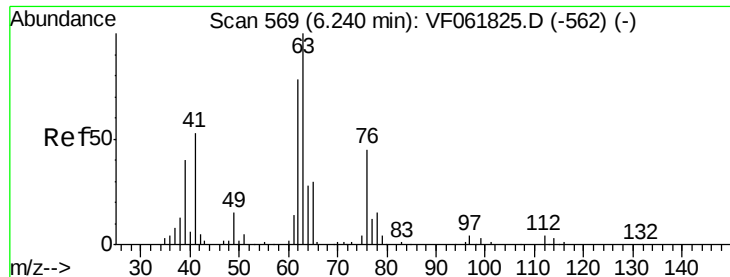


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#45

1,2-Dichloropropane

Concen: 8.317 ug/l

RT: 6.30 min Scan# 575

Delta R.T. 0.06 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

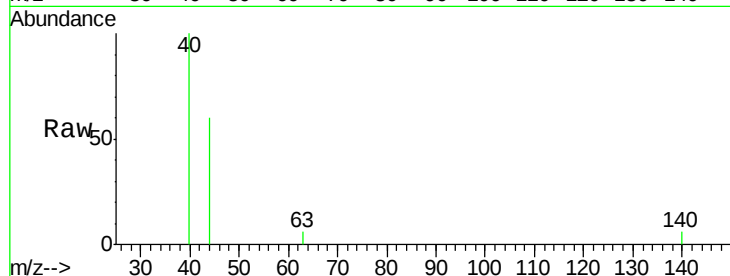
GATE-SOIL-BOX

Tot Ion: 63 Resp: 69

Ion Ratio Lower Upper

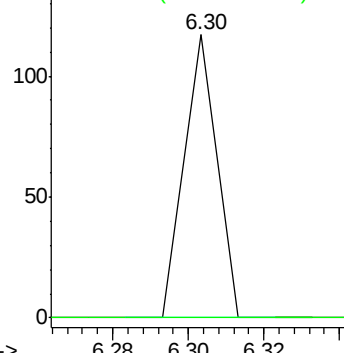
63 100

65 0.0 24.0 36.0#

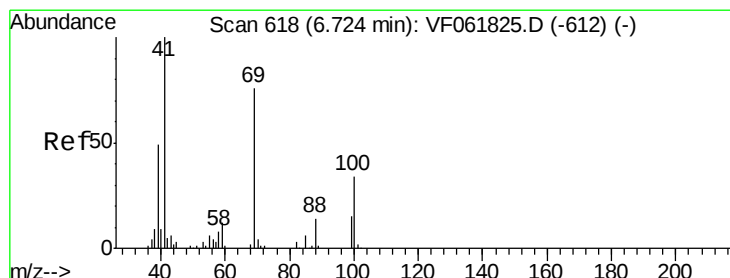
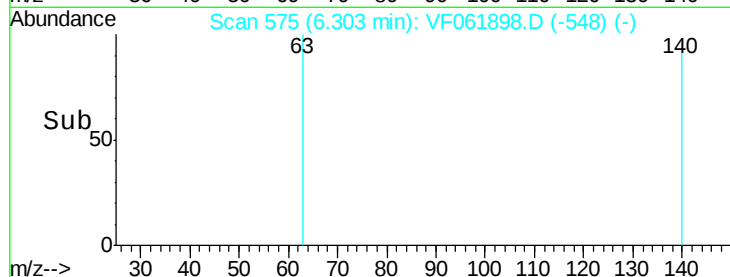


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->



#48

Methyl methacrylate

Concen: 17.618 ug/l

RT: 6.74 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

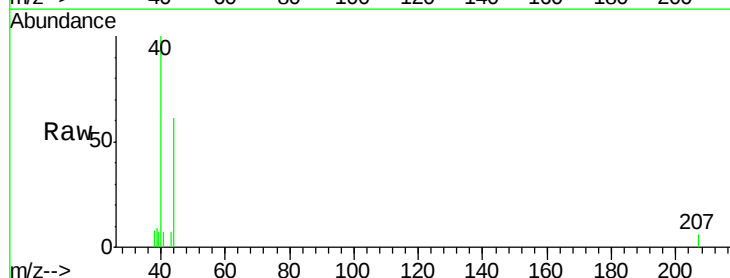
Tgt Ion: 41 Resp: 77

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

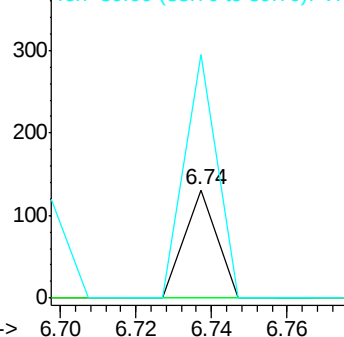
39 225.2 39.7 59.5#



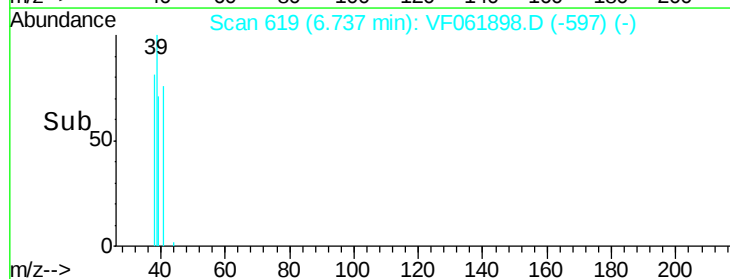
Abundance Ion 41.00 (40.70 to 41.70): VF0

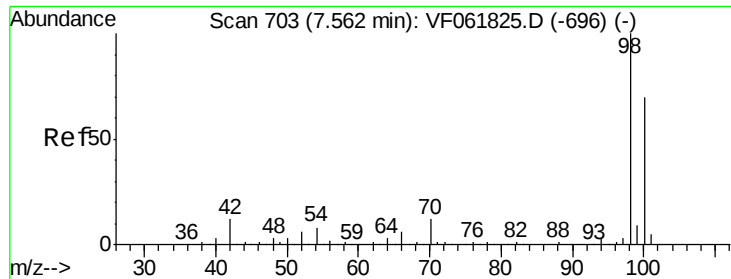
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#50

Toluene-d8

Concen: 48.551 ug/l

RT: 7.57 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

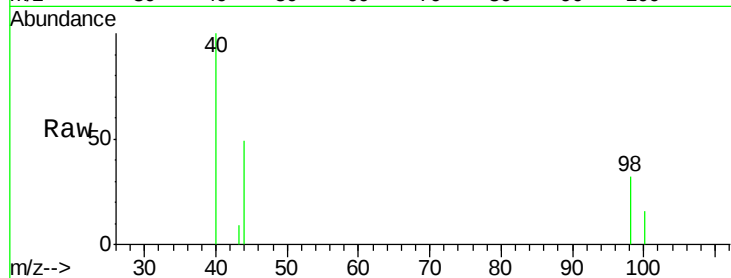
GATE-SOIL-BOX

Tot Ion: 98 Resp: 1423

Ion Ratio Lower Upper

98 100

100 48.1 56.0 84.0#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.57

600

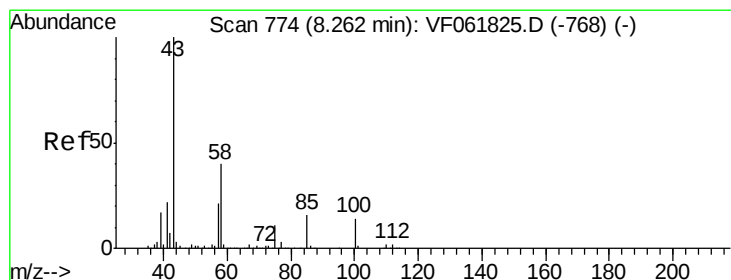
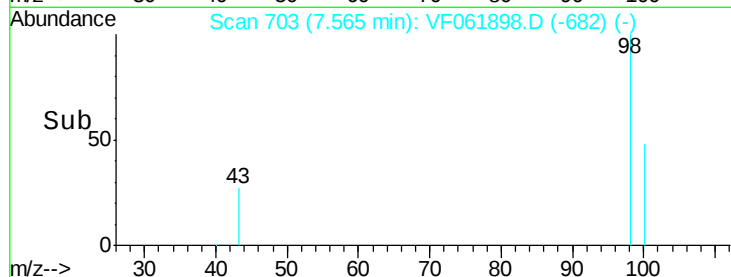
400

200

0

7.50 7.55 7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 49.865 ug/l

RT: 8.23 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061898.D

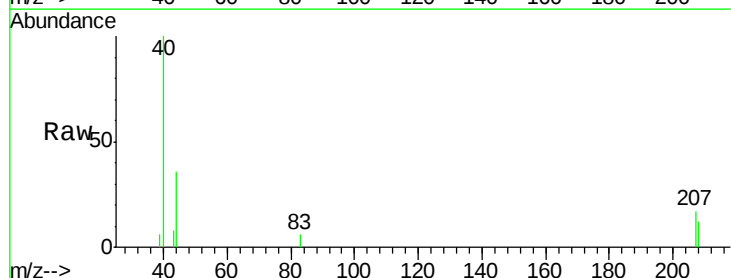
Acq: 11 Mar 2019 19:21

Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200

150

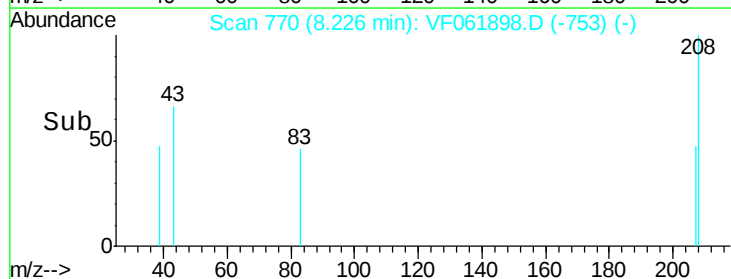
100

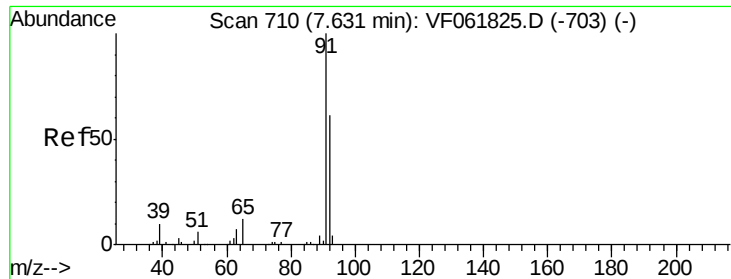
50

0

8.20 8.22 8.24 8.26

Time-->





#52

Toluene

Concen: 4.651 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

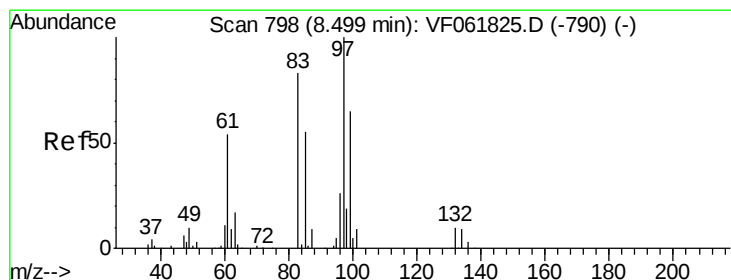
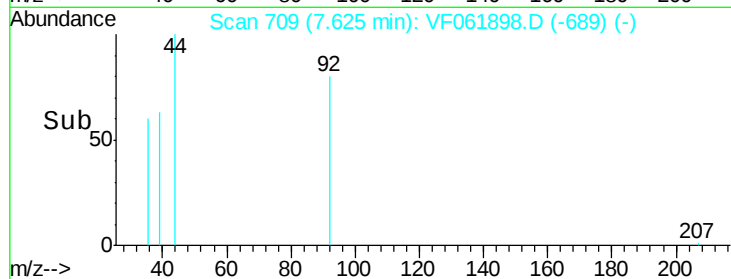
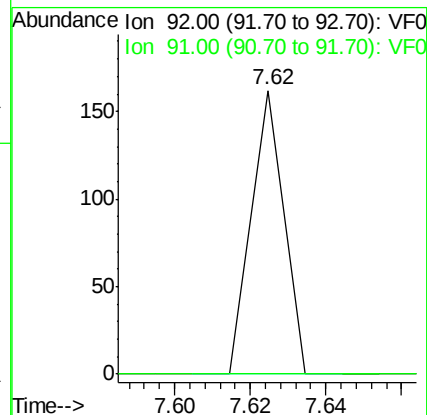
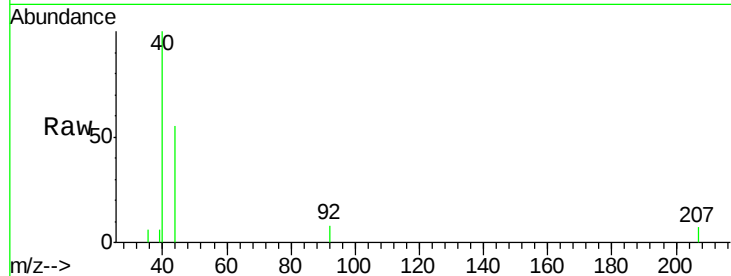
GATE-SOIL-BOX

Tot Ion: 92 Resp: 96

Ion Ratio Lower Upper

92 100

91 0.0 132.0 198.0#



#55

1,1,2-Trichloroethane

Concen: 10.930 ug/l

RT: 8.44 min Scan# 792

Delta R.T. -0.06 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Tgt Ion: 97 Resp: 65

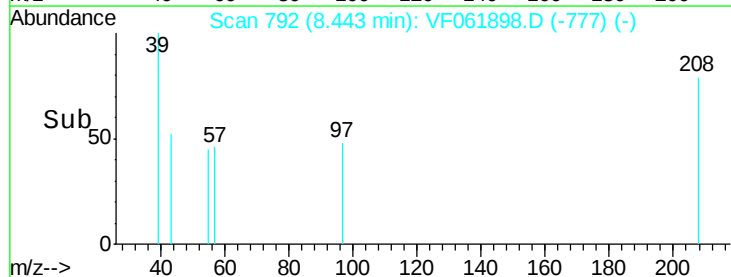
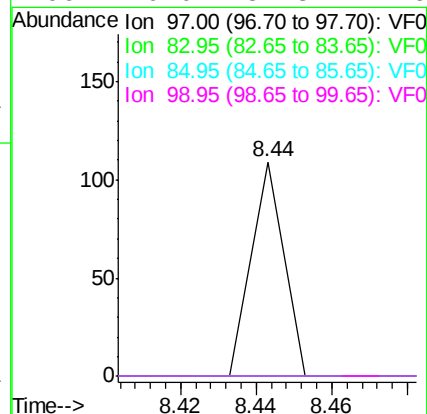
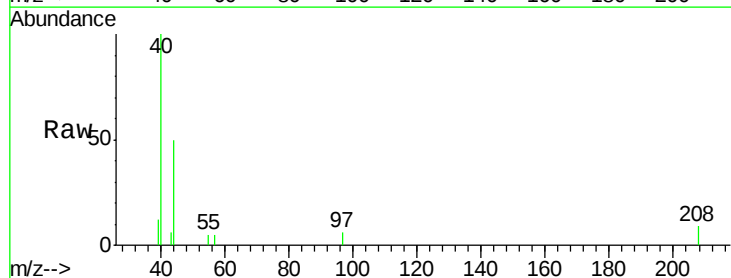
Ion Ratio Lower Upper

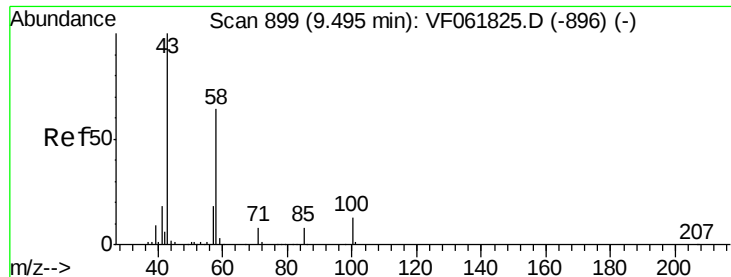
97 100

83 0.0 66.5 99.7#

85 0.0 44.2 66.2#

99 0.0 51.8 77.6#

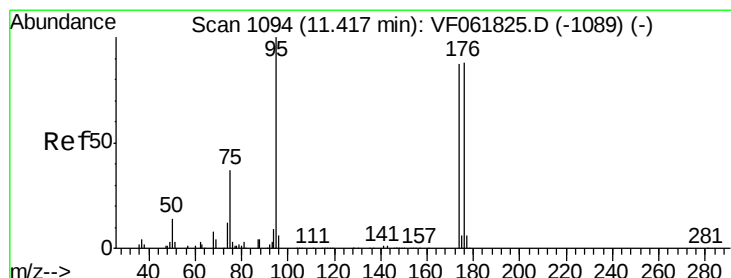
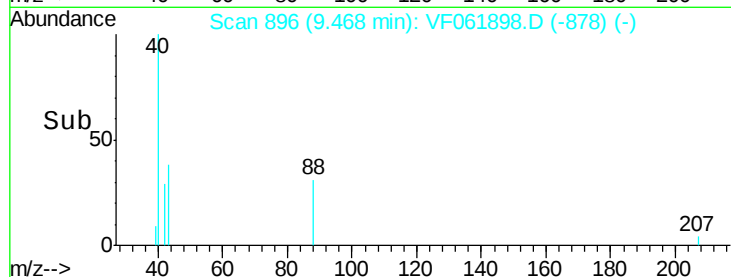
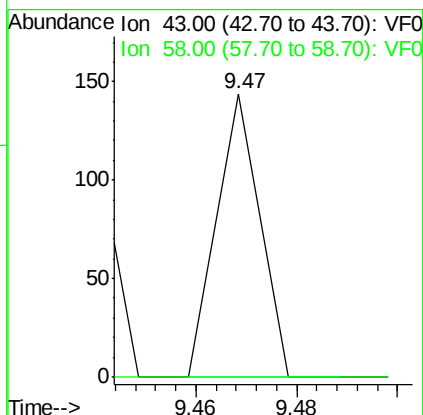
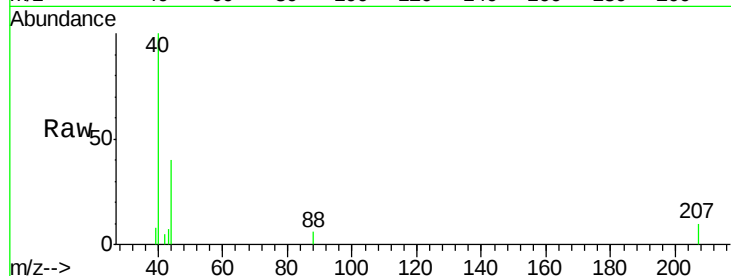




#59
2-Hexanone
Concen: 24.686 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

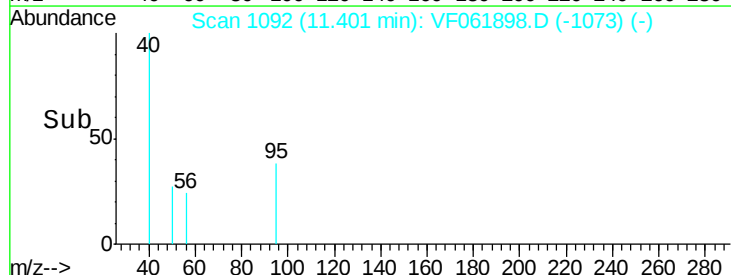
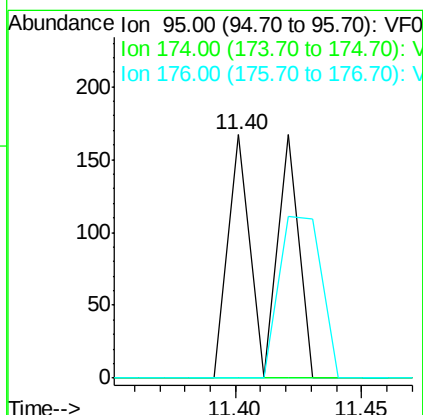
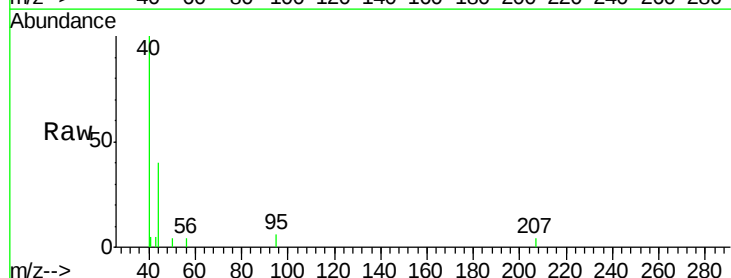
Instrument :
MSVOA_F
ClientSampleId :
GATE-SOIL-BOX

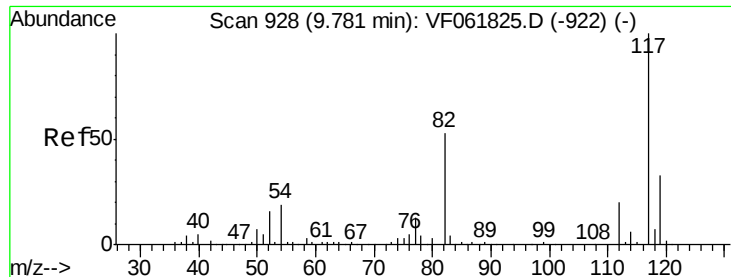
Tot Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 17.245 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

Tgt Ion: 95 Resp: 198
Ion Ratio Lower Upper
95 100
174 0.0 0.0 174.0
176 0.0 0.0 175.2

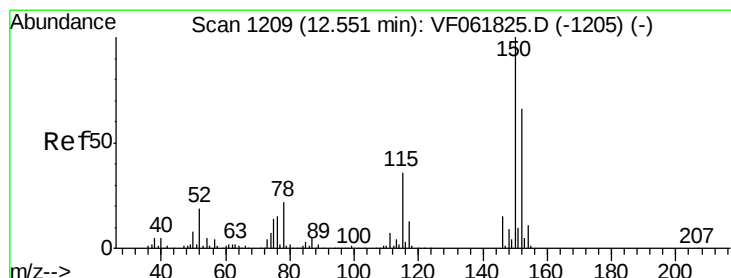
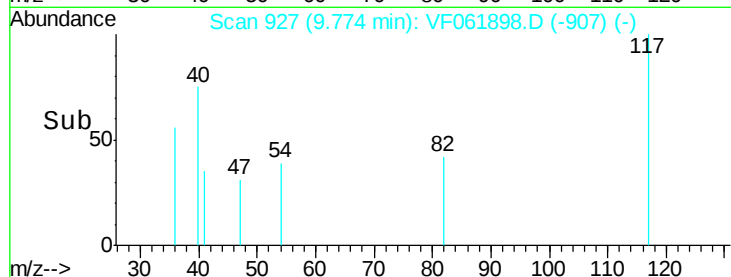
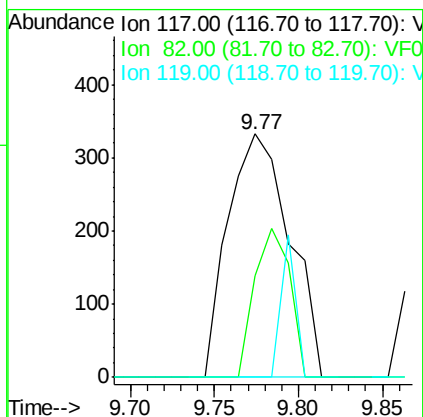
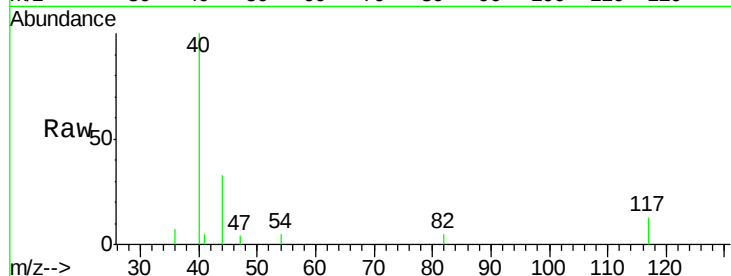




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

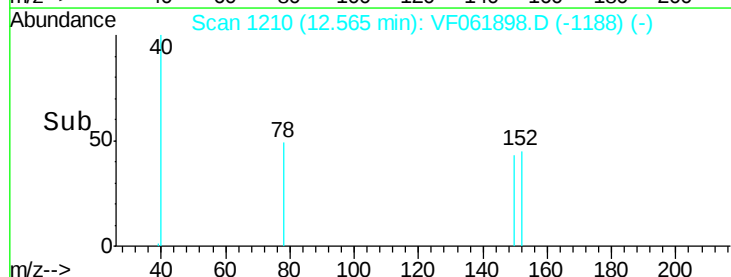
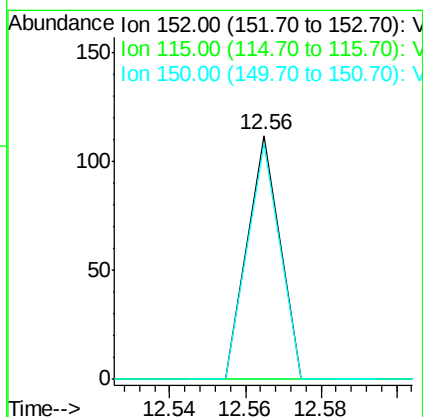
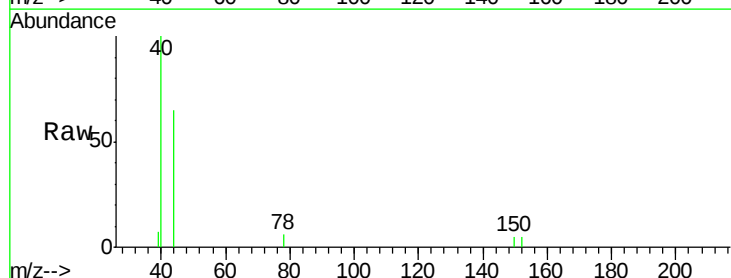
Instrument :
MSVOA_F
ClientSampleId :
GATE-SOIL-BOX

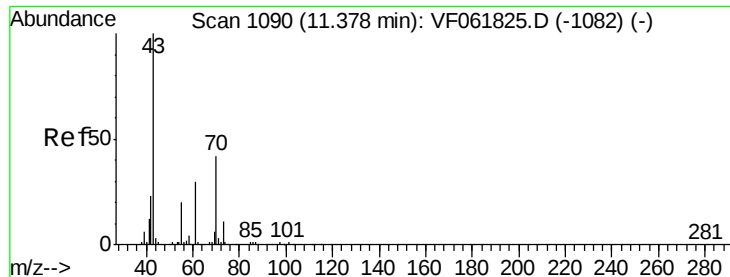
Tot Ion:117 Resp: 845
Ion Ratio Lower Upper
117 100
82 41.7 42.6 63.8#
119 0.0 26.0 39.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061898.D
Acq: 11 Mar 2019 19:21

Tgt Ion:152 Resp: 66
Ion Ratio Lower Upper
152 100
115 0.0 27.7 83.1#
150 96.4 0.0 304.2





#74

N-amvl acetate

Concen: 208.405 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF061898.D

Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion: 43 Resp: 218

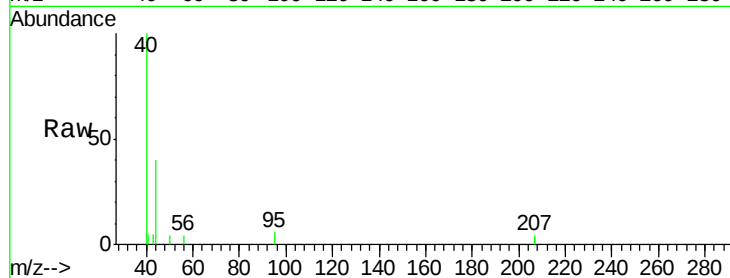
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 16.3 24.5#

61 0.0 24.0 36.0#



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

250

200

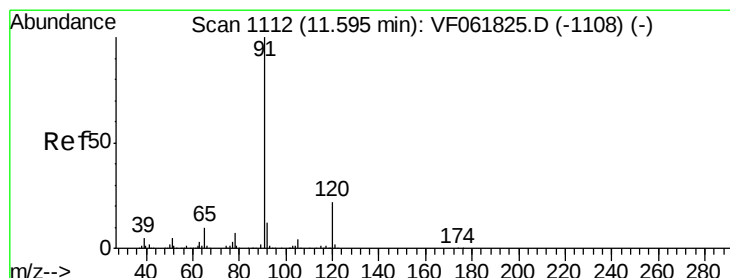
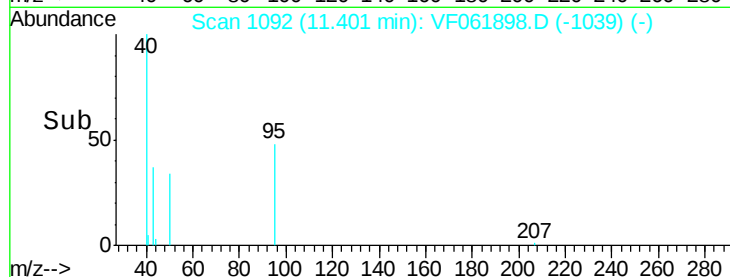
150

100

50

0

Time-->



#78

n-propylbenzene

Concen: 13.057 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.11 min

Lab File: VF061898.D

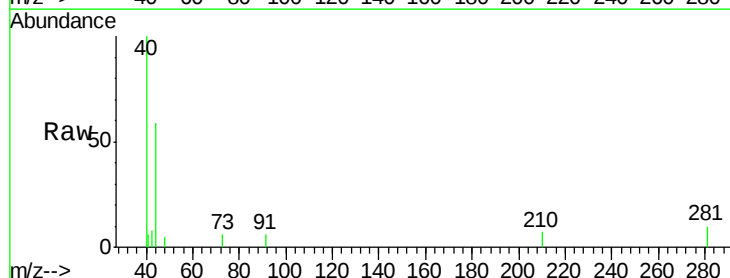
Acq: 11 Mar 2019 19:21

Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

91 100

120 0.0 11.1 33.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

120

100

80

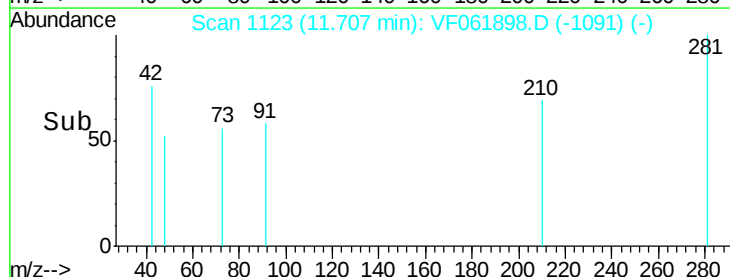
60

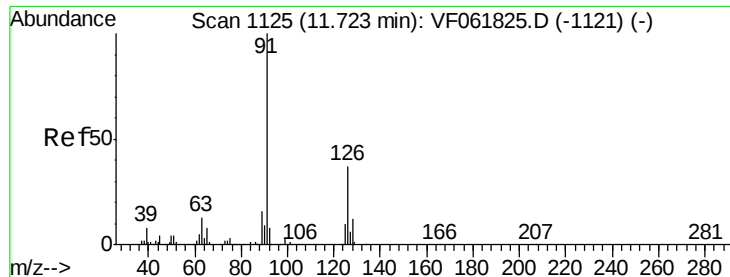
40

20

0

Time-->

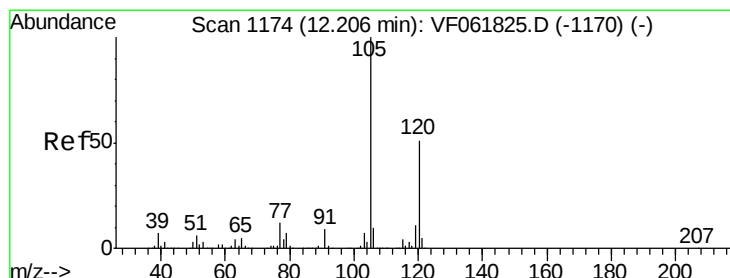
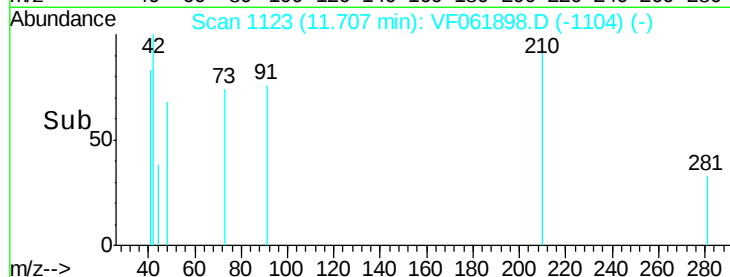
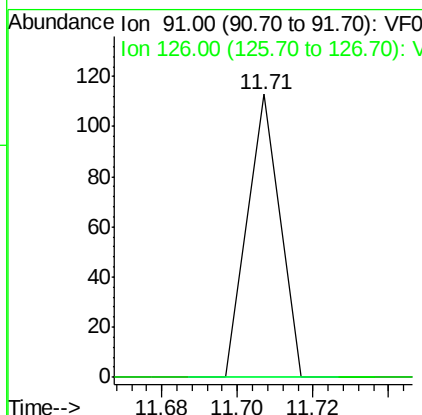
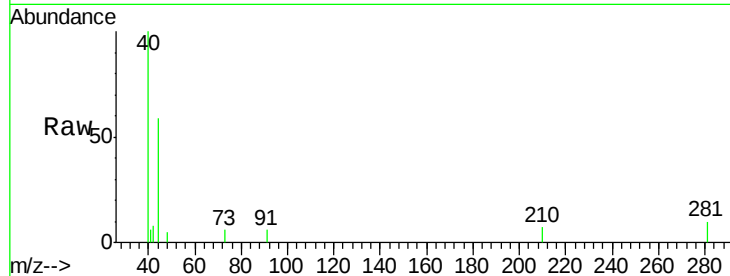




#79
 2-Chlorotoluene
 Concen: 22.839 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

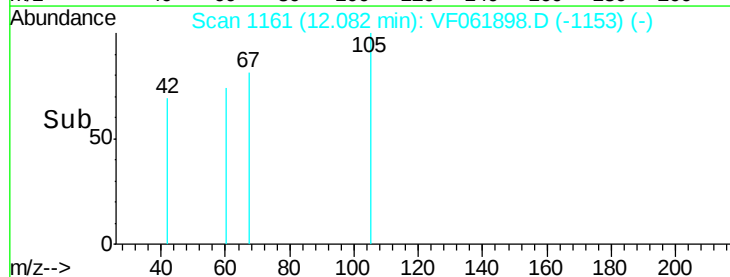
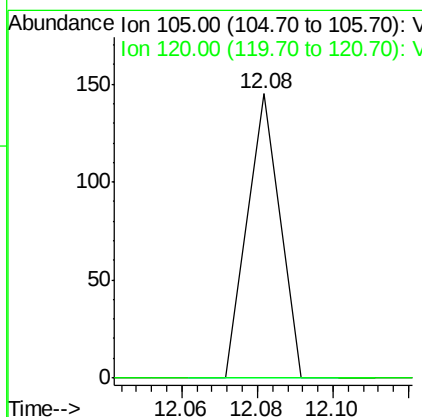
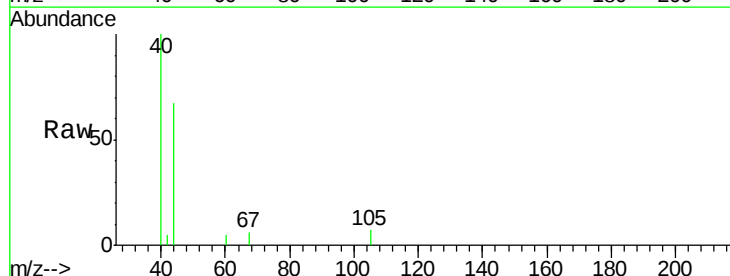
Instrument :
 MSVOA_F
 ClientSampleId :
 GATE-SOIL-BOX

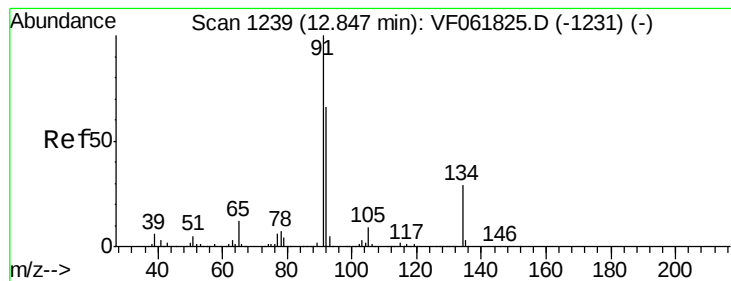
Tot Ion: 91 Resp: 67
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 24.048 ug/l
 RT: 12.08 min Scan# 1161
 Delta R.T. -0.12 min
 Lab File: VF061898.D
 Acq: 11 Mar 2019 19:21

Tgt Ion: 105 Resp: 86
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.8 77.4#





#89

n-Butylbenzene

Concen: 15.140 ug/l

RT: 12.80 min Scan# 1234

Delta R.T. -0.05 min

Lab File: VF061898.D

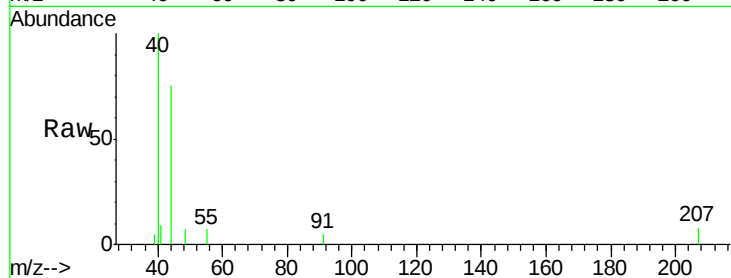
Acq: 11 Mar 2019 19:21

Instrument :

MSVOA_F

ClientSampleId :

GATE-SOIL-BOX



Tot Ion:	91	Resp:	62
Ion	Ratio	Lower	Upper
91	100		
92	0.0	32.9	98.6#
134	0.0	14.5	43.6#

