

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059626.D
 Acq On : 23 Jul 2018 20:54
 Operator : VA/AP
 Sample : J4099-06
 Misc : 5.66g/5mL/MSVOA_F/SOIL
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-06

Quant Time: Jul 24 04:51:37 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	17226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	20372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	12799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	2067	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	3187	11.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.52%	
35) Dibromofluoromethane	4.29	113	4858	25.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.70%	
50) Toluene-d8	7.70	98	11001	23.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.76%	
62) 4-Bromofluorobenzene	11.51	95	3046	11.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.42%	

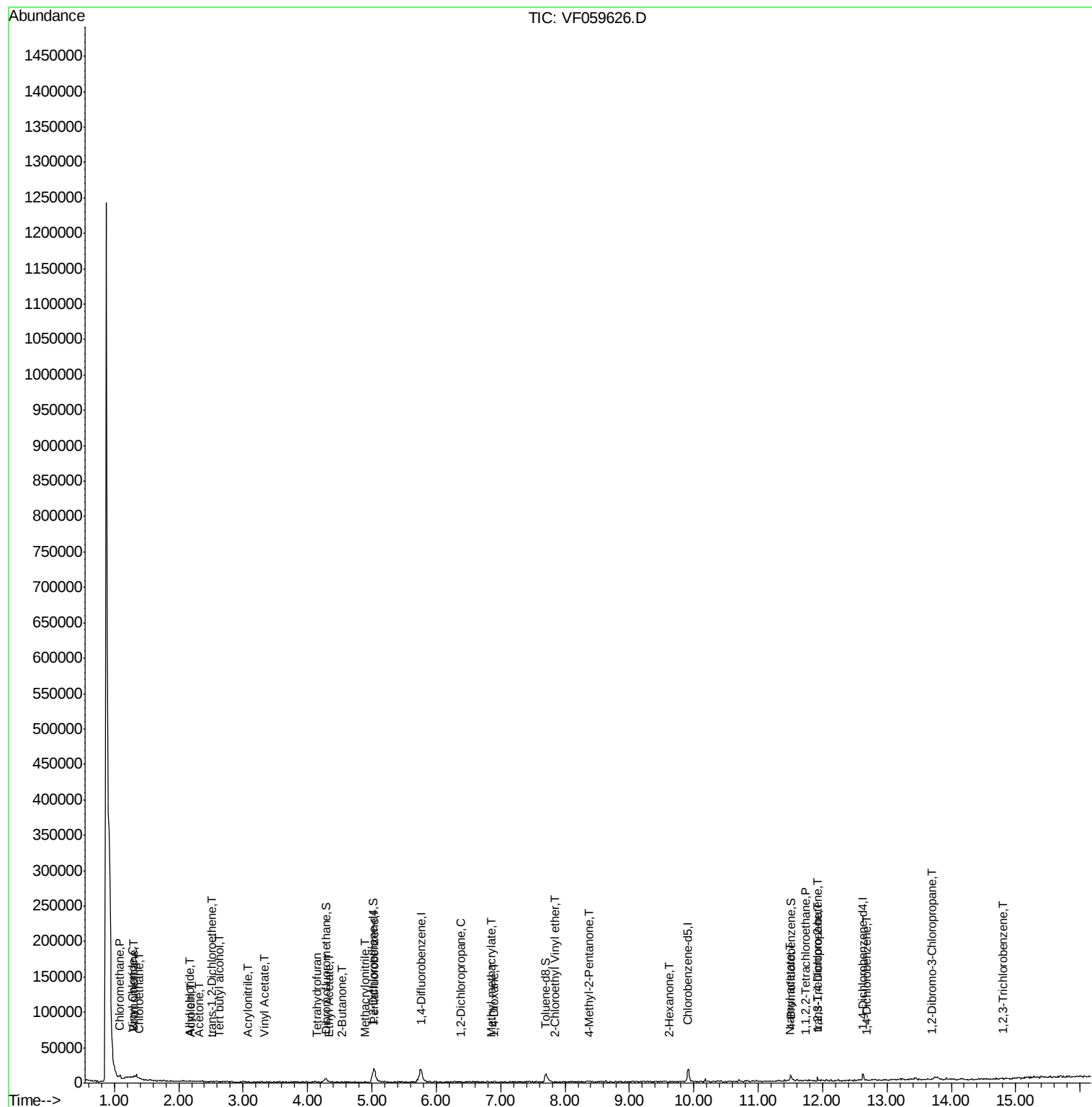
Target Compounds						Qvalue
3) Chloromethane	1.10	50	147	1.491	ug/l #	45
4) Vinyl Chloride	1.28	62	230	2.066	ug/l	92
5) Bromomethane	1.31	94	310	3.217	ug/l #	6
6) Chloroethane	1.39	64	76	1.118	ug/l #	45
11) Tert butyl alcohol	2.63	59	75	6.798	ug/l #	72
13) Acrolein	2.19	56	69	12.471	ug/l	86
14) Allyl chloride	2.17	41	247	1.130	ug/l #	1
15) Acrylonitrile	3.08	53	103	6.052	ug/l #	10
16) Acetone	2.31	43	128	2.754	ug/l #	69
18) Methyl Acetate	2.42	43	81	Below Cal	#	65
20) Methylene Chloride	2.29	84	80	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.52	96	135	1.088	ug/l #	1
23) Vinyl Acetate	3.34	43	226	1.121	ug/l #	83
25) 2-Butanone	4.54	43	206	4.299	ug/l #	62
29) Tetrahydrofuran	4.15	42	73	3.760	ug/l #	39
37) Ethyl Acetate	4.35	43	166	2.001	ug/l #	1
41) Methacrylonitrile	4.88	41	138	3.246	ug/l #	9
45) 1,2-Dichloropropane	6.39	63	134	1.313	ug/l #	45
48) Methyl methacrylate	6.86	41	104	1.312	ug/l #	8
49) 1,4-Dioxane	6.89	88	67	114.592	ug/l #	36
51) 4-Methyl-2-Pentanone	8.38	43	125	1.619	ug/l #	29
58) 2-Chloroethyl Vinyl ether	7.85	63	62	4.901	ug/l	100
59) 2-Hexanone	9.61	43	248	3.958	ug/l #	33
74) N-ethyl acetate	11.48	43	222	7.520	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	11.75	83	70	3.176	ug/l #	27
76) 1,2,3-Trichloropropane	11.93	75	66	3.428	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.93	75	66	8.643	ug/l #	5
88) 1,4-Dichlorobenzene	12.67	146	62	1.013	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	73	13.761	ug/l #	8
96) 1,2,3-Trichlorobenzene	14.80	180	61	1.477	ug/l #	12

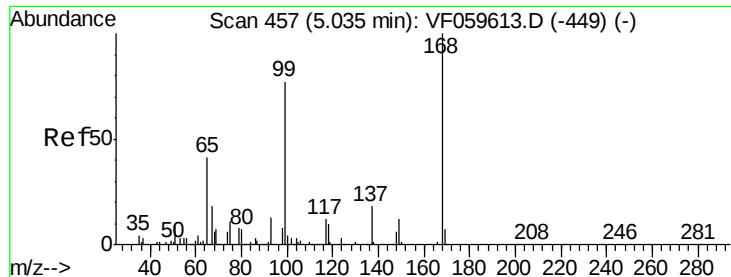
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

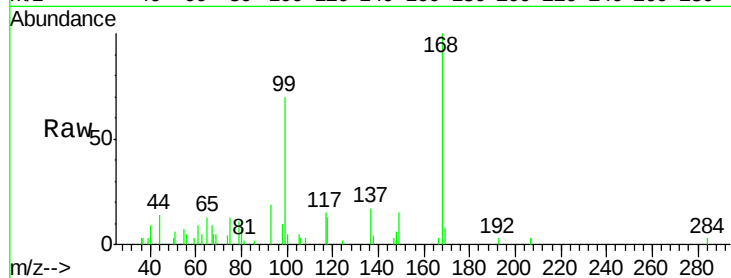
GL-TOPSOIL-06

Tgt Ion:168 Resp: 17226

Ion Ratio Lower Upper

168 100

99 70.3 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

4000

3000

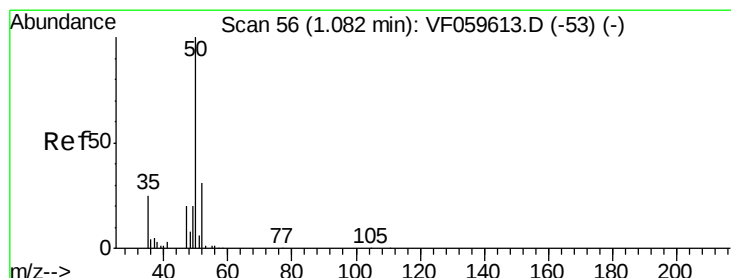
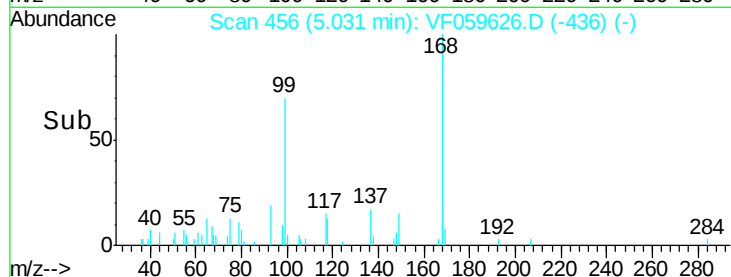
2000

1000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: 1.491 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF059626.D

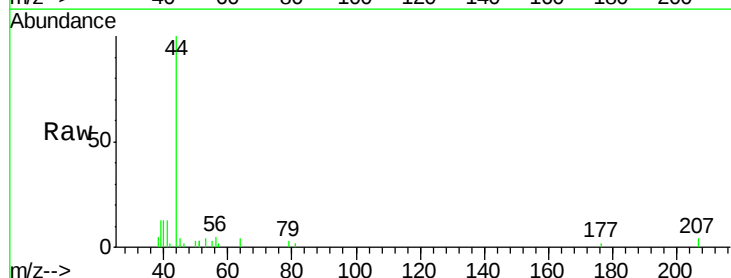
Acq: 23 Jul 2018 20:54

Tgt Ion: 50 Resp: 147

Ion Ratio Lower Upper

50 100

52 0.0 23.7 35.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

200

150

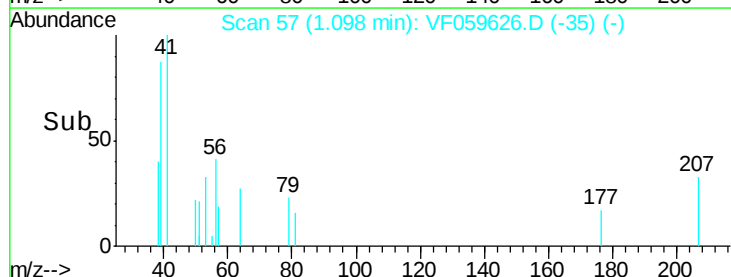
100

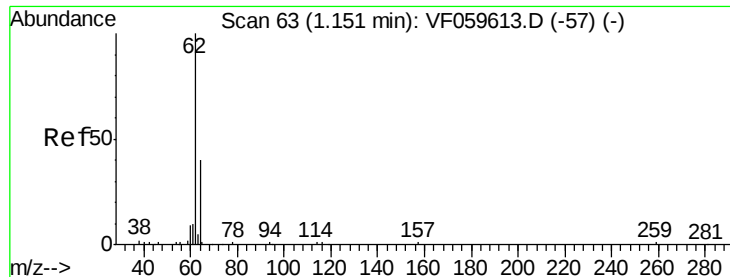
50

0

1.06 1.08 1.10 1.12

Time-->





#4

Vinyl Chloride

Concen: 2.066 ug/l

RT: 1.28 min Scan# 75

Delta R.T. 0.12 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

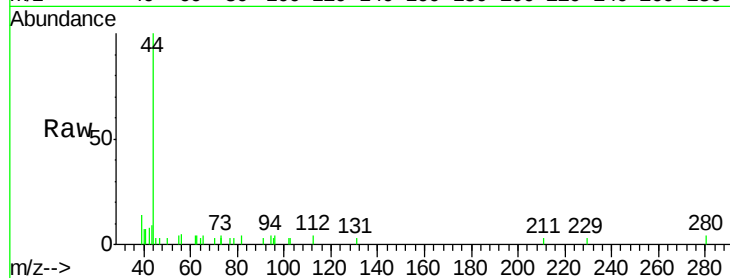
GL-TOPSOIL-06

Tgt Ion: 62 Resp: 230

Ion Ratio Lower Upper

62 100

64 35.2 32.2 48.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.28

300

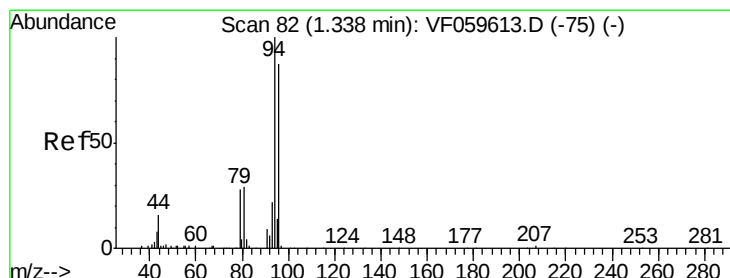
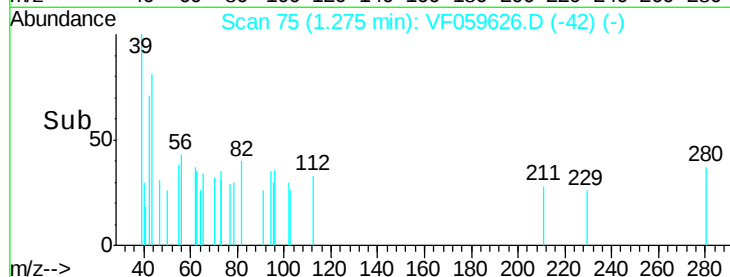
200

100

0

1.25 1.30

Time-->



#5

Bromomethane

Concen: 3.217 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.02 min

Lab File: VF059626.D

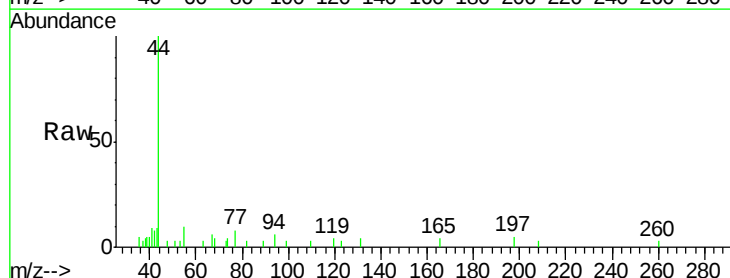
Acq: 23 Jul 2018 20:54

Tgt Ion: 94 Resp: 310

Ion Ratio Lower Upper

94 100

96 0.0 69.8 104.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

250

200

150

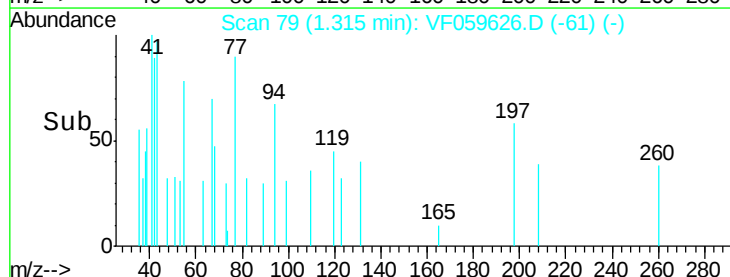
100

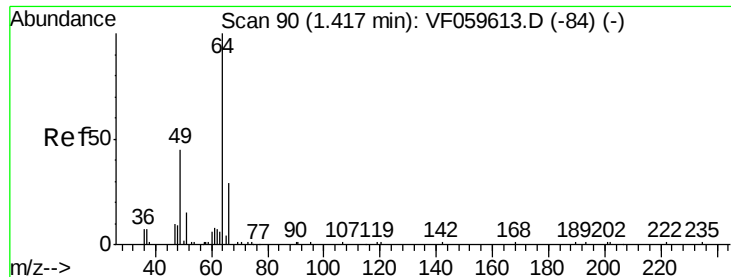
50

0

1.28 1.30 1.32 1.34

Time-->





#6

Chloroethane

Concen: 1.118 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

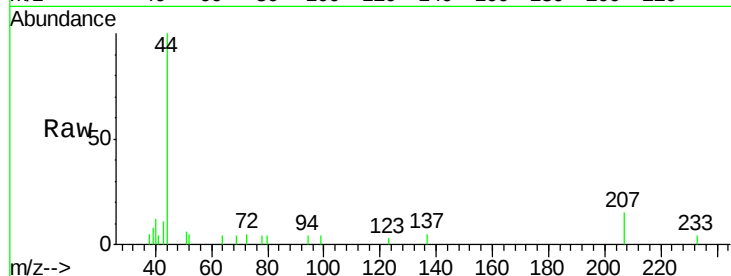
GL-TOPSOIL-06

Tgt Ion: 64 Resp: 76

Ion Ratio Lower Upper

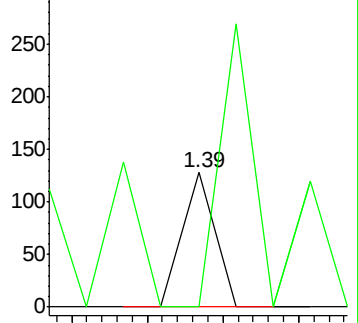
64 100

66 0.0 23.7 35.5#

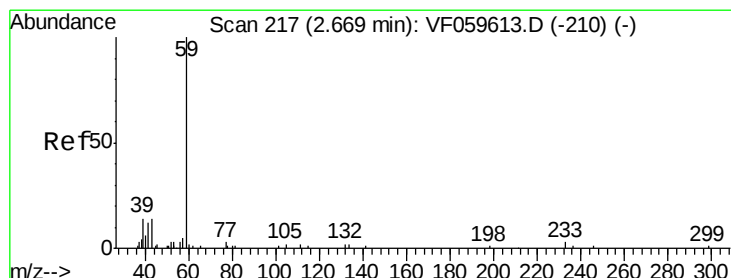
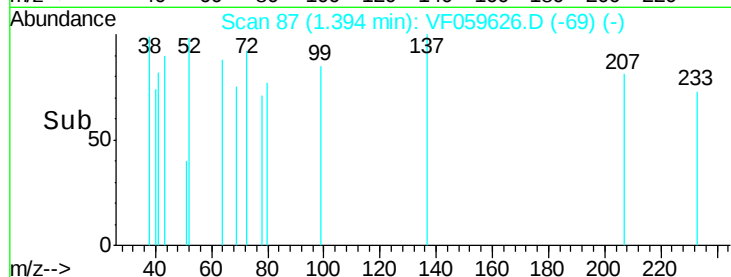


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->



#11

Tert butyl alcohol

Concen: 6.798 ug/l

RT: 2.63 min Scan# 212

Delta R.T. -0.04 min

Lab File: VF059626.D

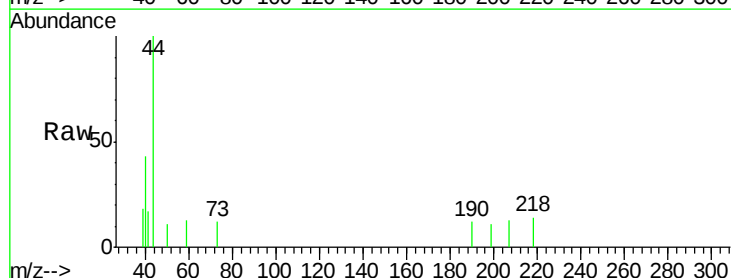
Acq: 23 Jul 2018 20:54

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

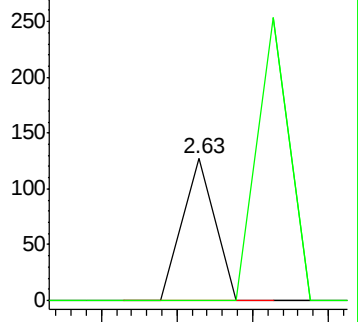
59 100

57 0.0 8.6 12.8#

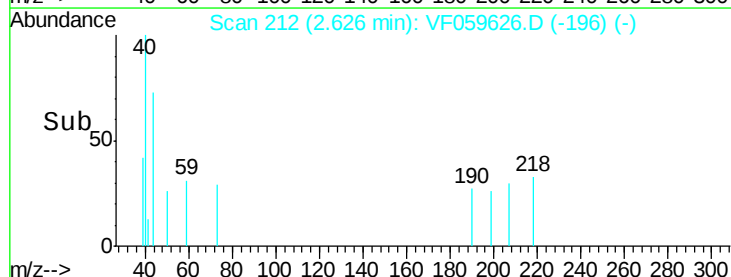


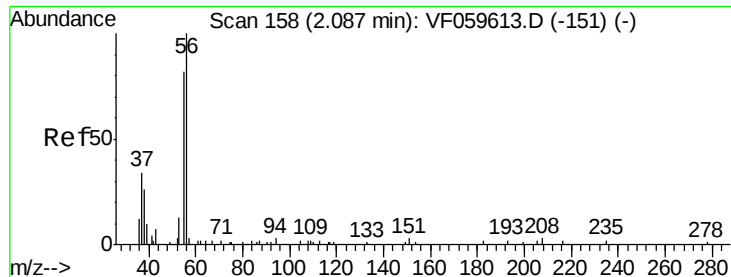
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



Time-->





#13

Acrolein

Concen: 12.471 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.10 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

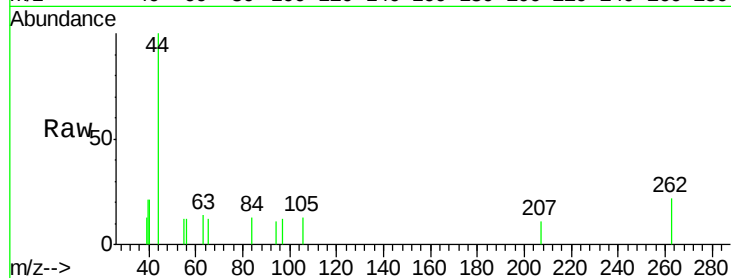
GL-TOPSOIL-06

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

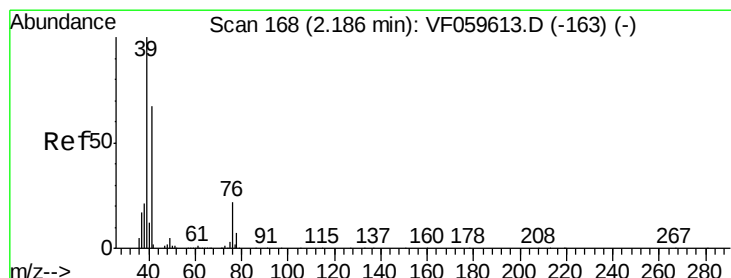
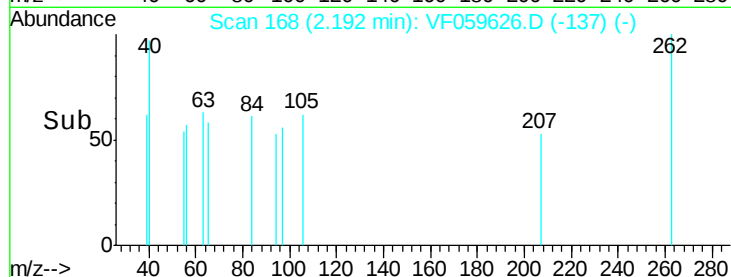
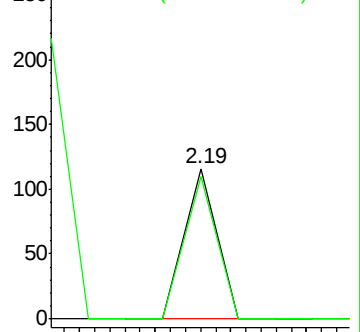
56 100

55 94.8 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 1.130 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

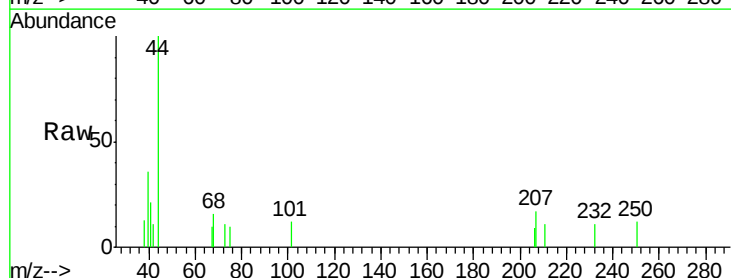
Tgt Ion: 41 Resp: 247

Ion Ratio Lower Upper

41 100

39 0.0 119.0 178.4#

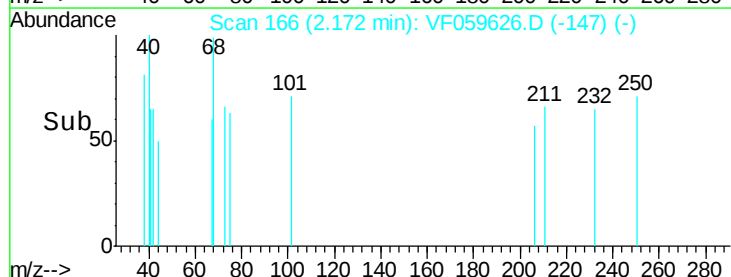
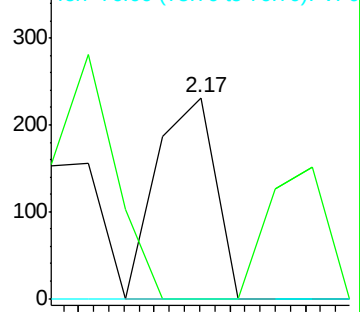
76 0.0 26.3 39.5#

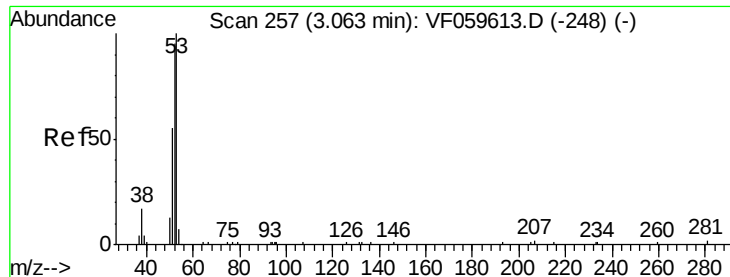


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 6.052 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.02 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

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GL-TOPSOIL-06

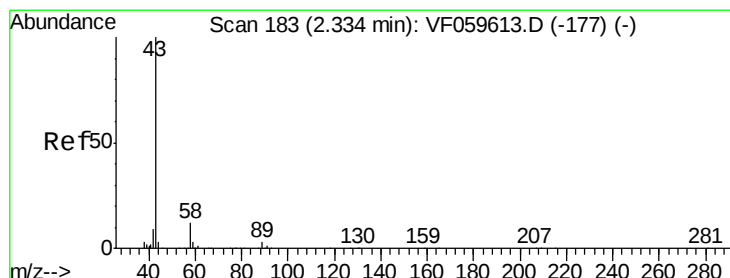
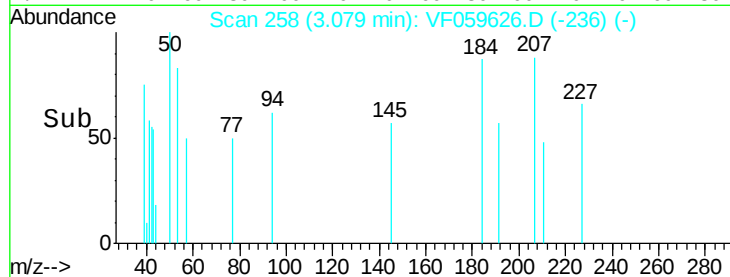
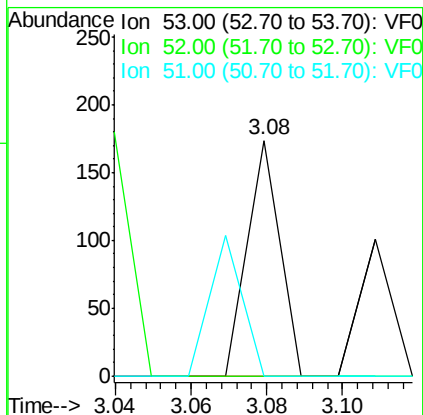
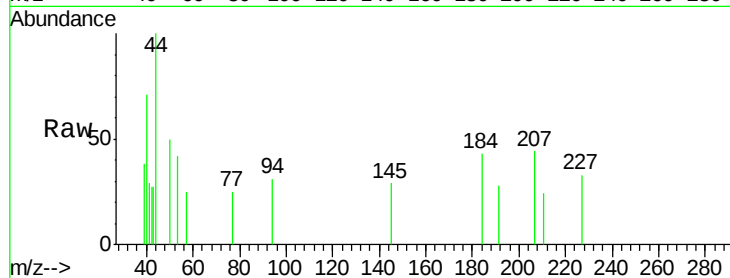
Tgt Ion: 53 Resp: 103

Ion Ratio Lower Upper

53 100

52 0.0 76.2 114.2#

51 0.0 45.8 68.8#



#16

Acetone

Concen: 2.754 ug/l

RT: 2.31 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF059626.D

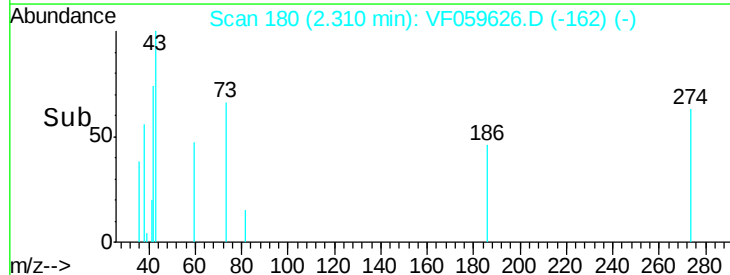
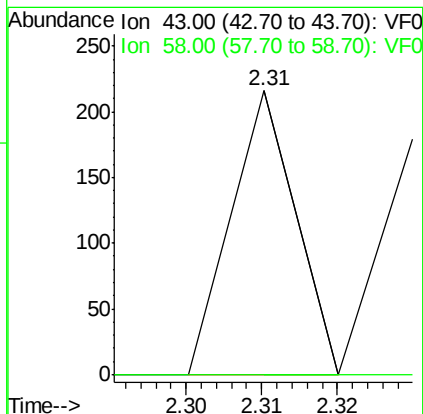
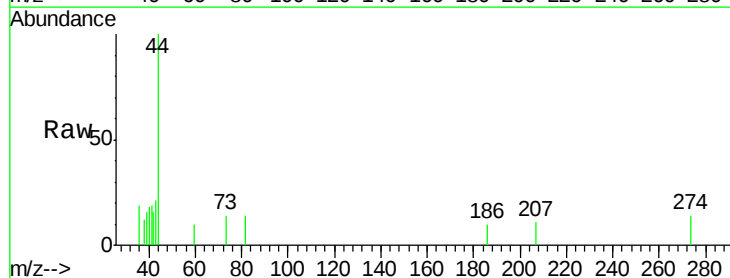
Acq: 23 Jul 2018 20:54

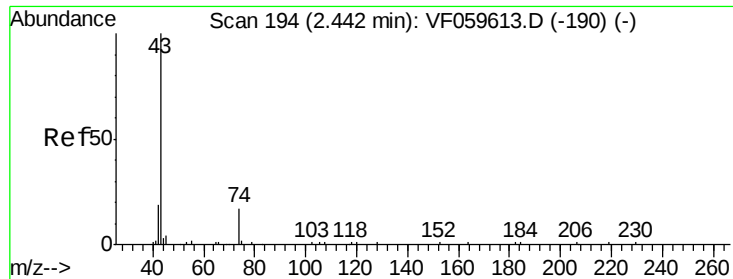
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

58 0.0 9.8 14.8#

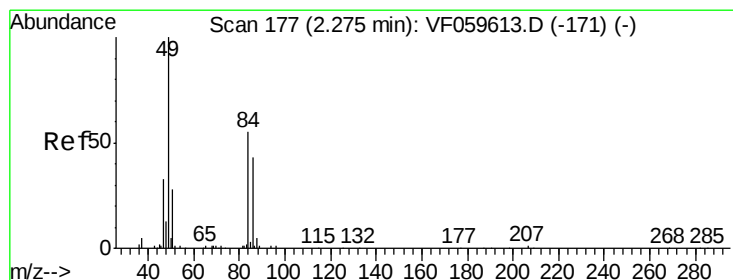
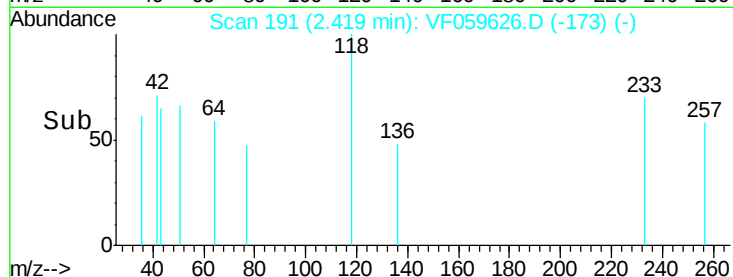
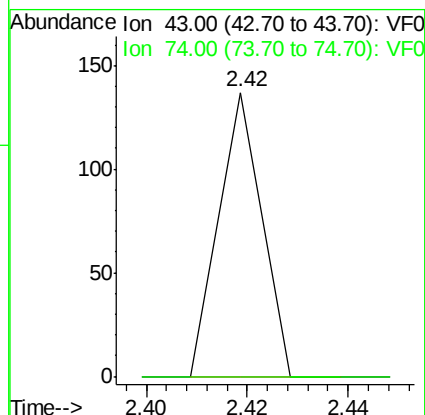
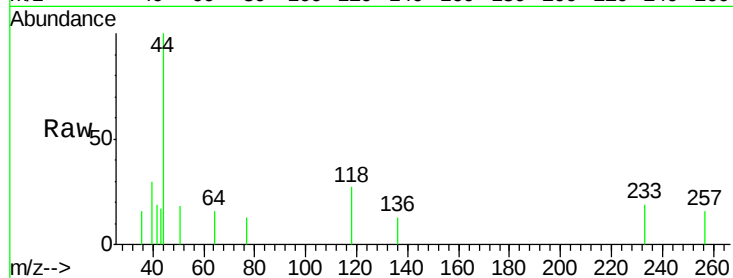




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. -0.02 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

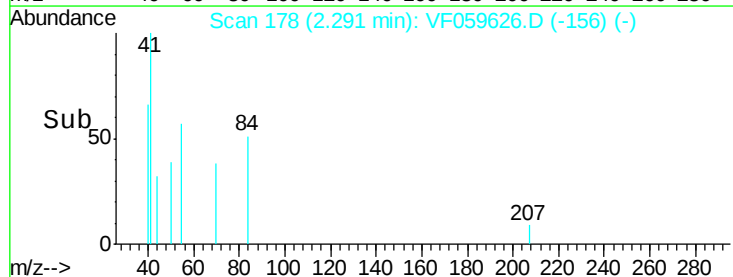
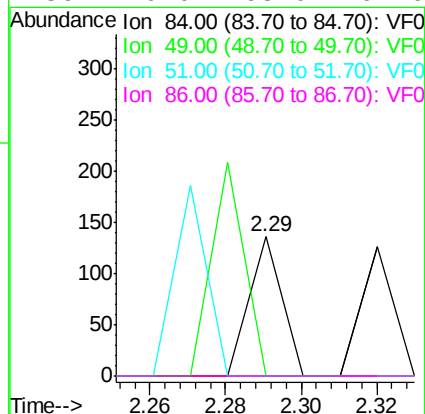
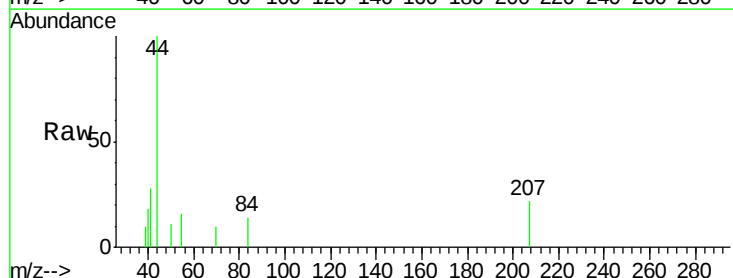
Instrument :
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GL-TOPSOIL-06

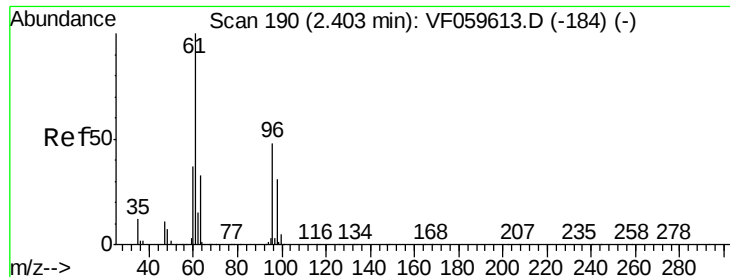
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Tgt Ion: 84 Resp: 80
Ion Ratio Lower Upper
84 100
49 0.0 148.6 222.8#
51 0.0 42.7 64.1#
86 0.0 63.0 94.6#





#21

trans-1,2-Dichloroethene

Concen: 1.088 ug/l

RT: 2.52 min Scan# 201

Delta R.T. 0.11 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

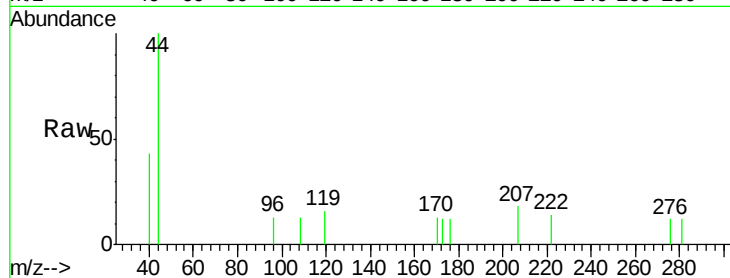
Tgt Ion: 96 Resp: 135

Ion Ratio Lower Upper

96 100

61 0.0 167.0 250.6#

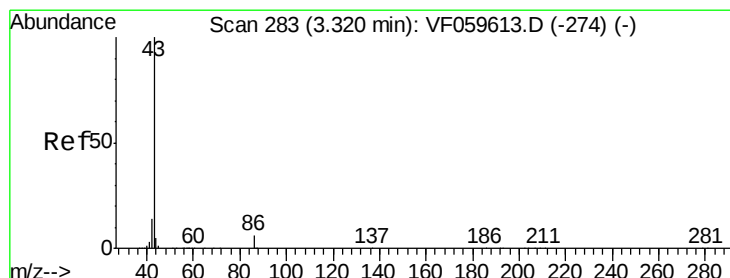
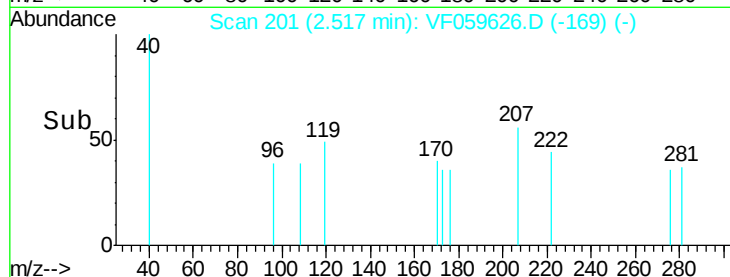
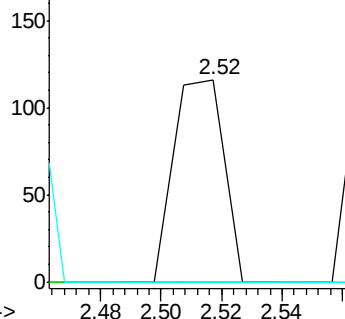
98 0.0 51.8 77.8#



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



#23

Vinyl Acetate

Concen: 1.121 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.02 min

Lab File: VF059626.D

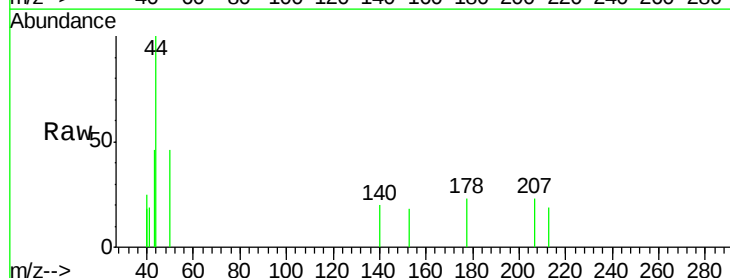
Acq: 23 Jul 2018 20:54

Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

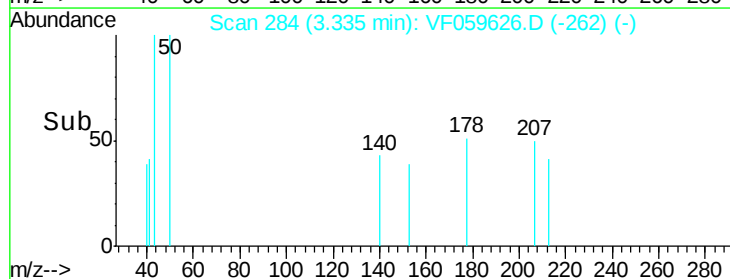
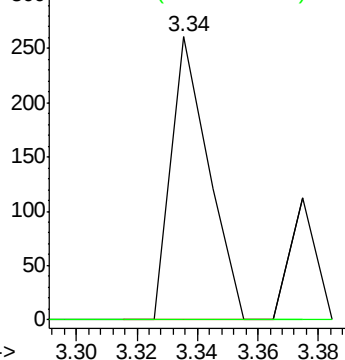
43 100

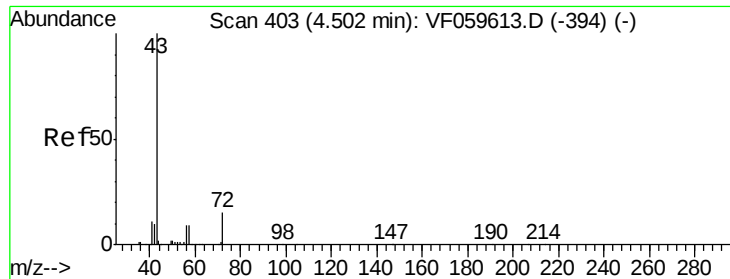
86 0.0 4.6 6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

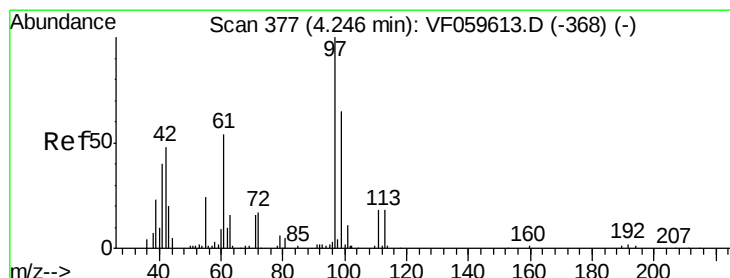
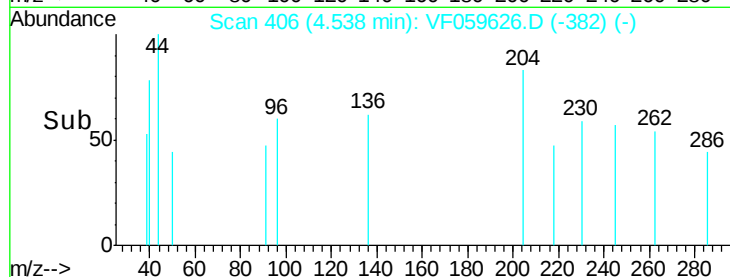
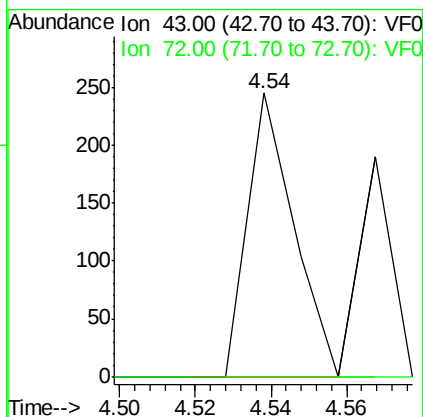
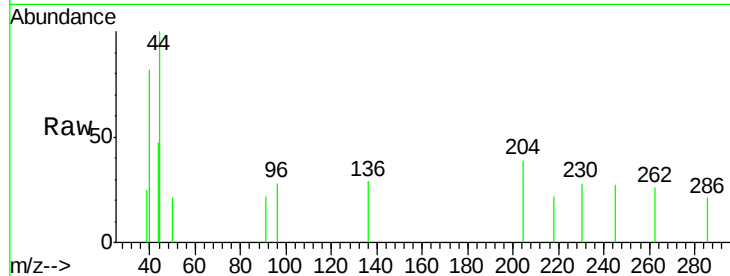




#25
2-Butanone
Concen: 4.299 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.04 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

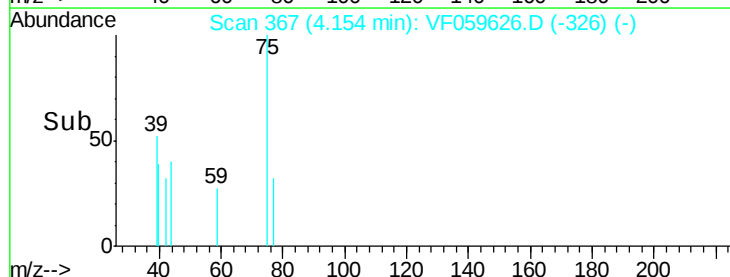
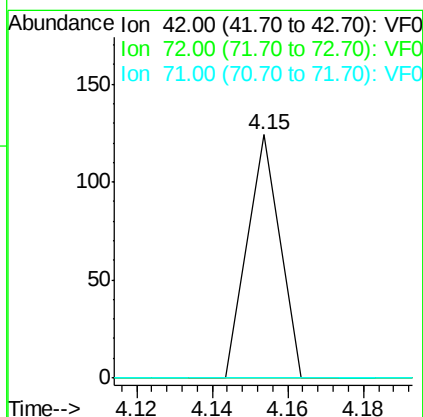
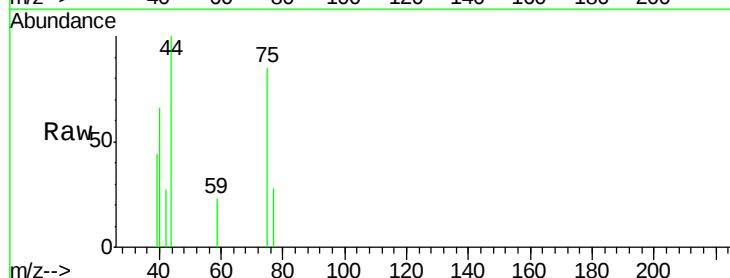
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-06

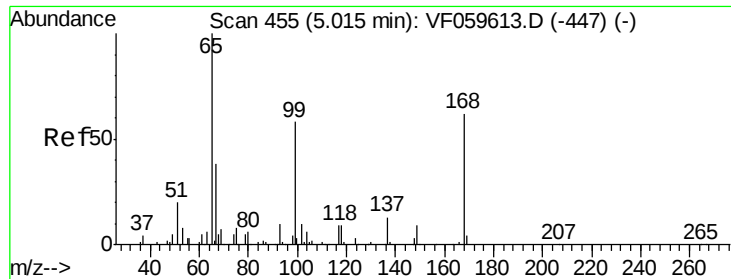
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
72 0.0 12.9 19.3#



#29
Tetrahydrofuran
Concen: 3.760 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.09 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Tgt Ion: 42 Resp: 73
Ion Ratio Lower Upper
42 100
72 0.0 27.9 41.9#
71 0.0 29.3 43.9#





#33

1,2-Dichloroethane-d4

Concen: 11.757 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

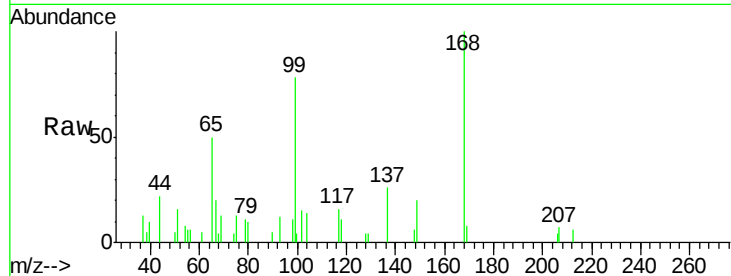
GL-TOPSOIL-06

Tgt Ion: 65 Resp: 3187

Ion Ratio Lower Upper

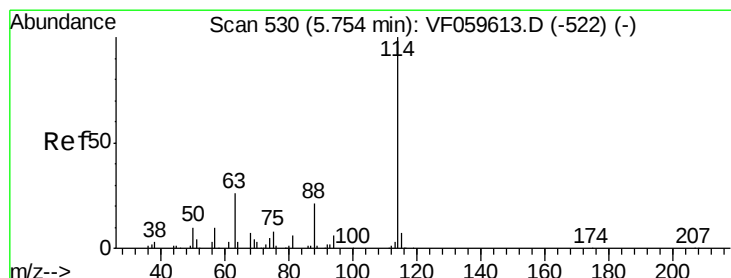
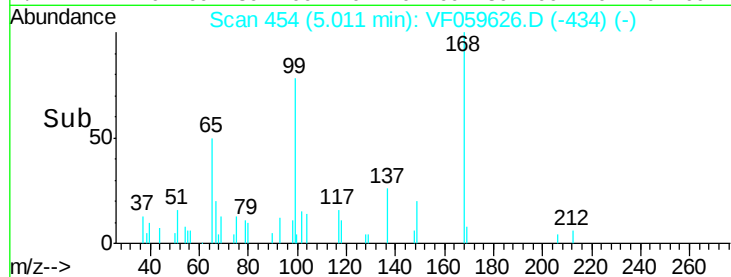
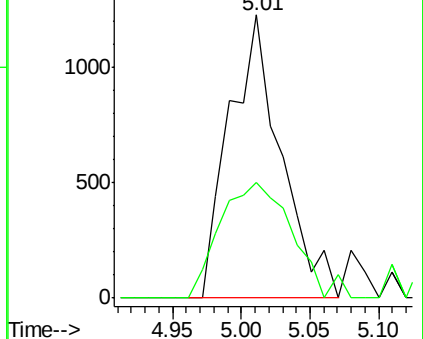
65 100

67 40.8 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: 5.75 min Scan# 529

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

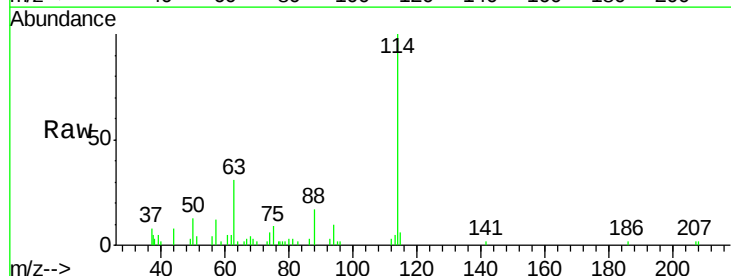
Tgt Ion: 114 Resp: 20372

Ion Ratio Lower Upper

114 100

63 31.0 0.0 51.8

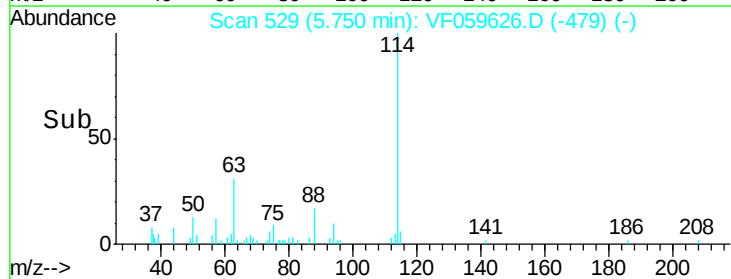
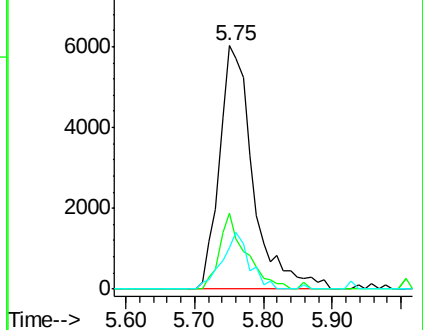
88 17.1 0.0 42.8

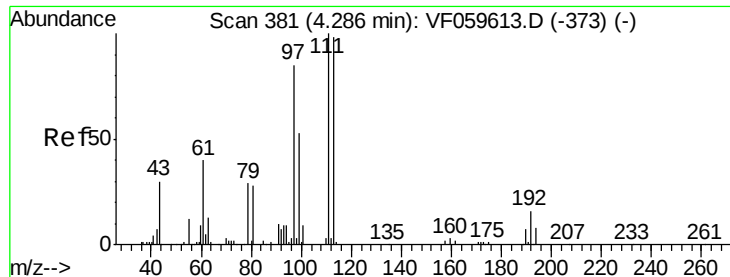


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 25.846 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

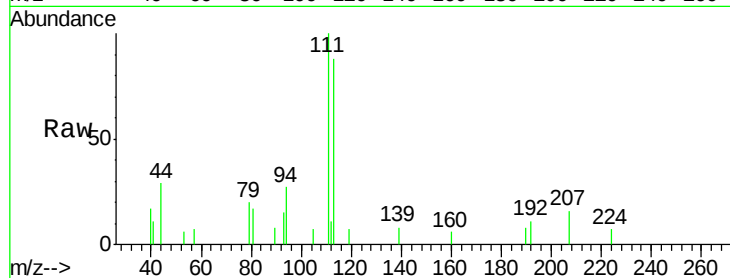
Tgt Ion:113 Resp: 4858

Ion Ratio Lower Upper

113 100

111 113.9 81.5 122.3

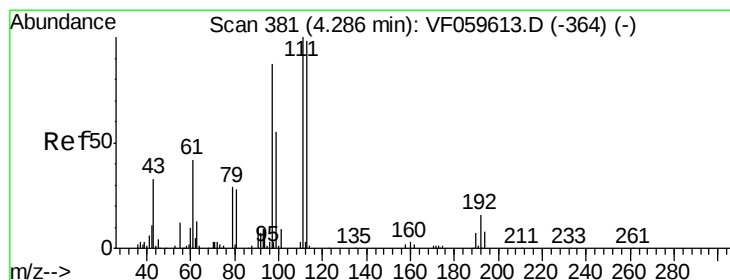
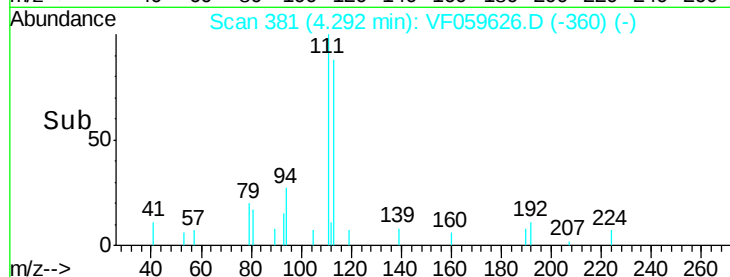
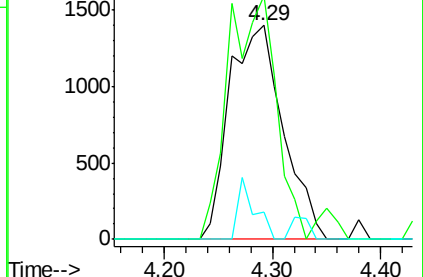
192 12.5 13.4 20.2#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 2.001 ug/l

RT: 4.35 min Scan# 387

Delta R.T. 0.07 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

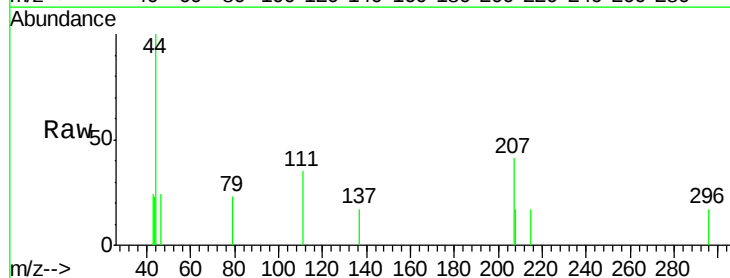
Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

61 0.0 101.9 152.9#

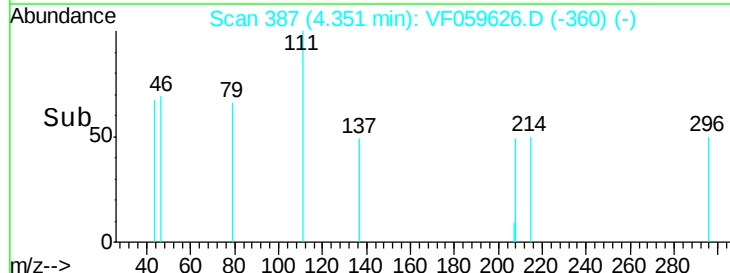
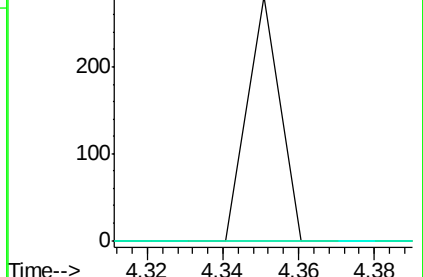
70 0.0 7.9 11.9#

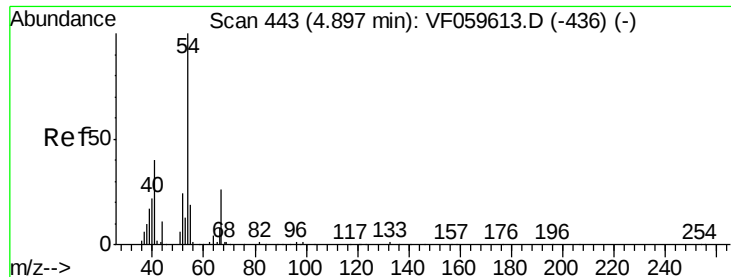


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 3.246 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

Tgt Ion: 41 Resp: 138

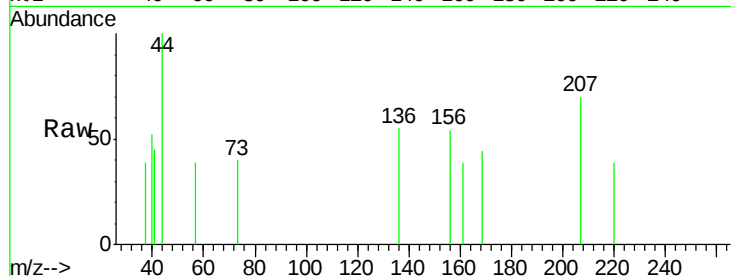
Ion Ratio Lower Upper

41 100

39 0.0 58.2 87.4#

67 0.0 51.0 76.6#

52 0.0 80.1 120.1#

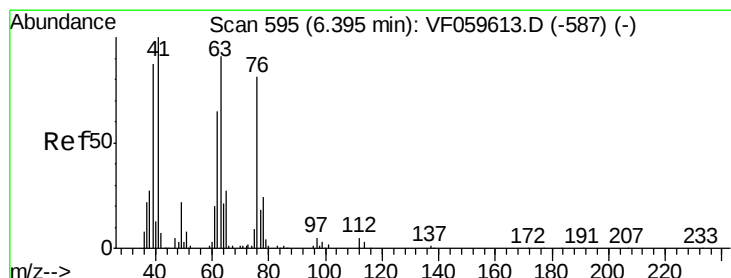
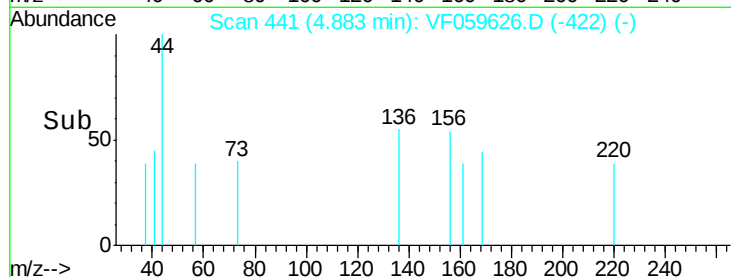
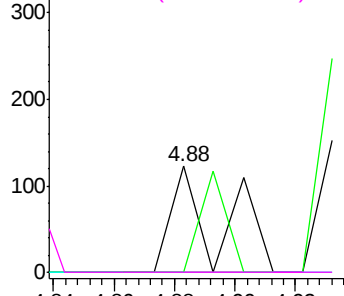


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#45

1,2-Dichloropropane

Concen: 1.313 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059626.D

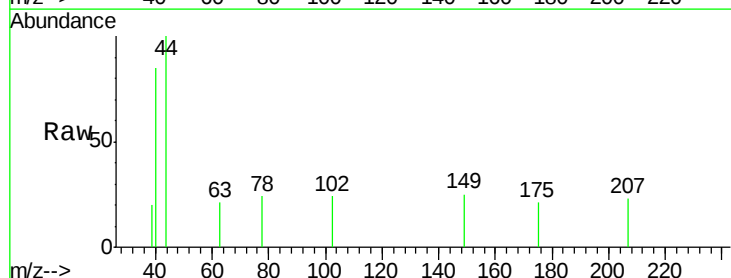
Acq: 23 Jul 2018 20:54

Tgt Ion: 63 Resp: 134

Ion Ratio Lower Upper

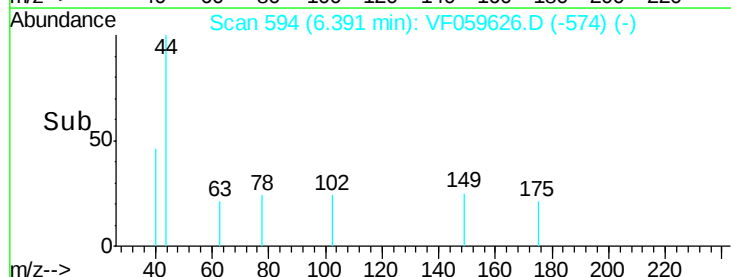
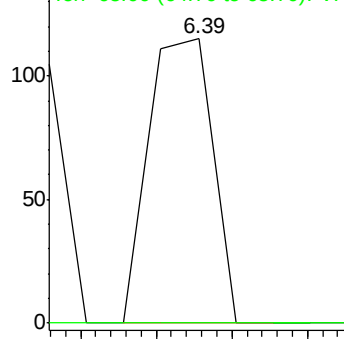
63 100

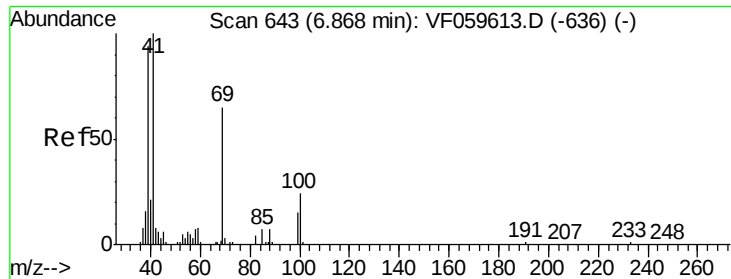
65 0.0 23.4 35.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

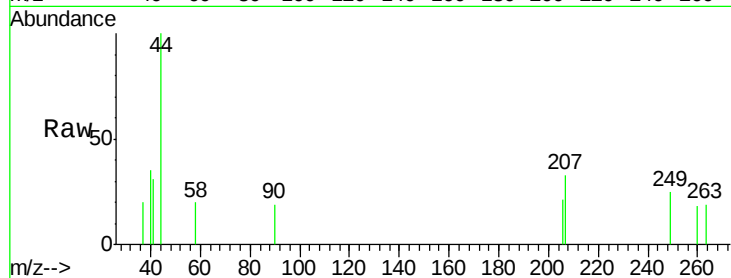




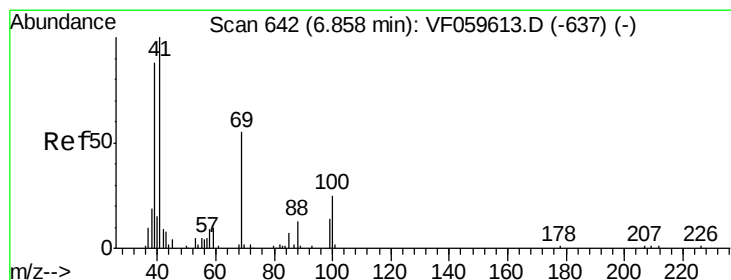
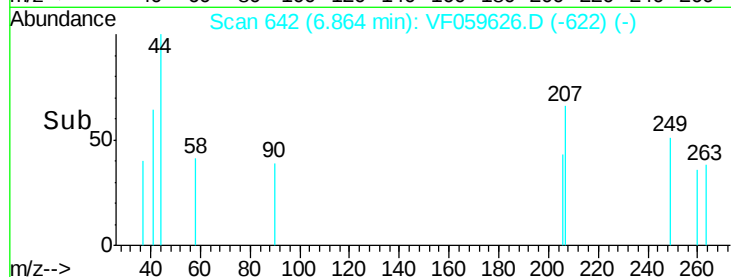
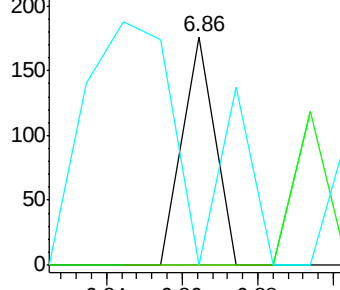
#48
Methyl methacrylate
Concen: 1.312 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-06

Tgt Ion: 41 Resp: 104
Ion Ratio Lower Upper
41 100
69 0.0 51.6 77.4#
39 0.0 76.3 114.5#

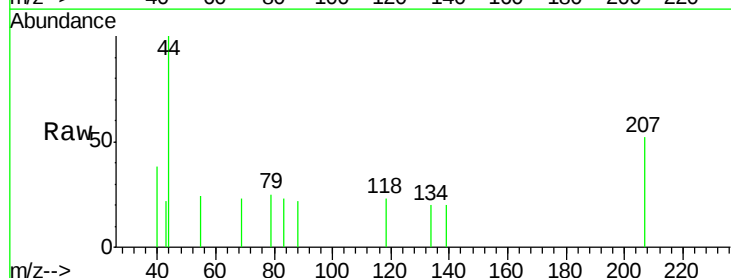


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

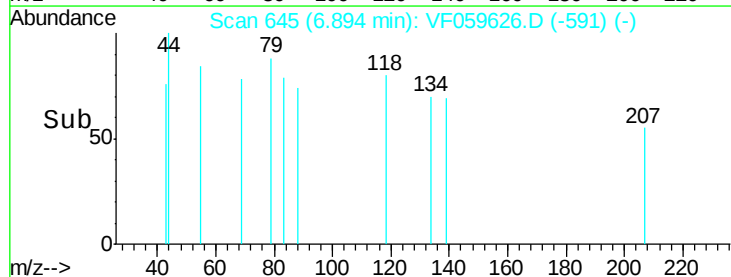
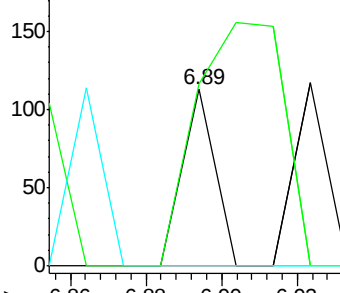


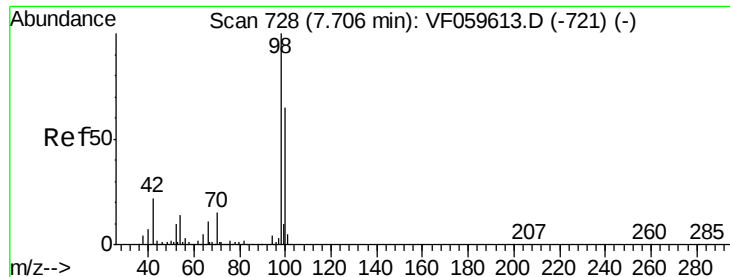
#49
1,4-Dioxane
Concen: 114.592 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.04 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 102.7 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

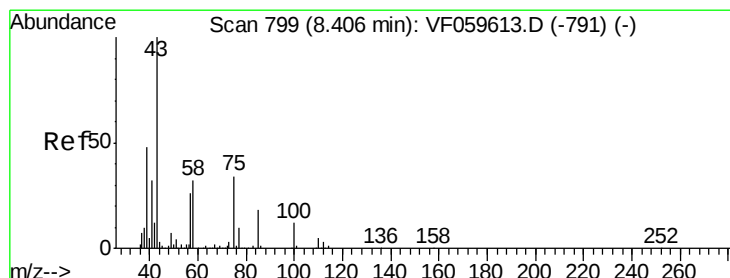
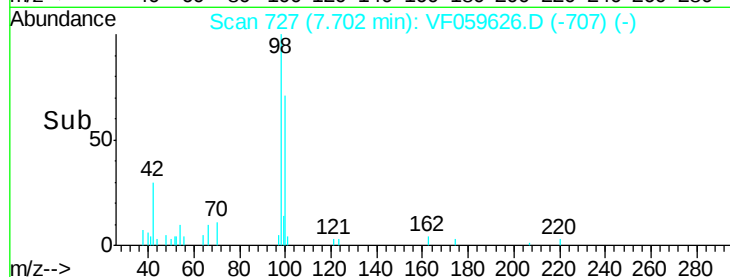
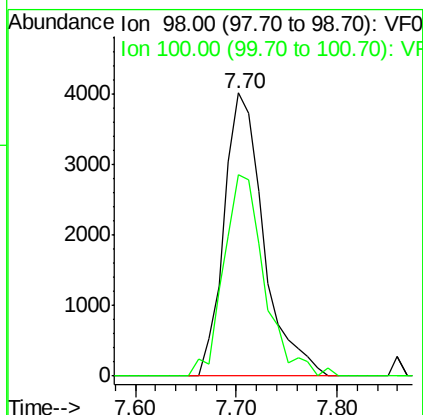
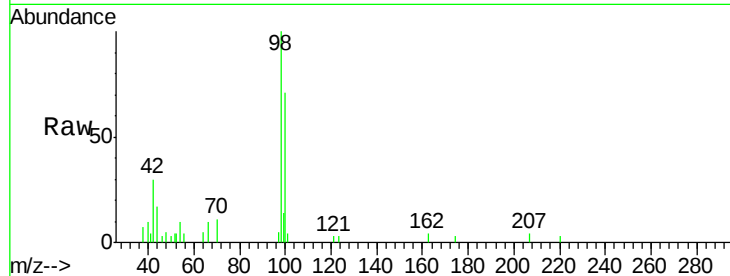




#50
Toluene-d8
Concen: 23.376 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

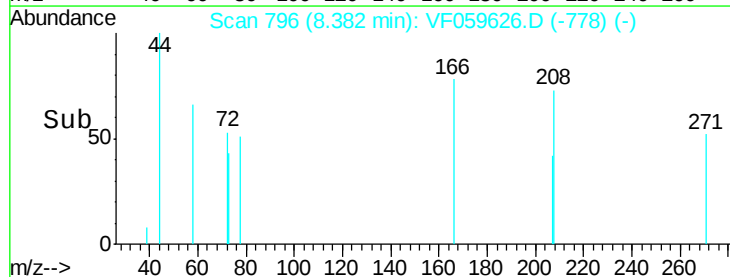
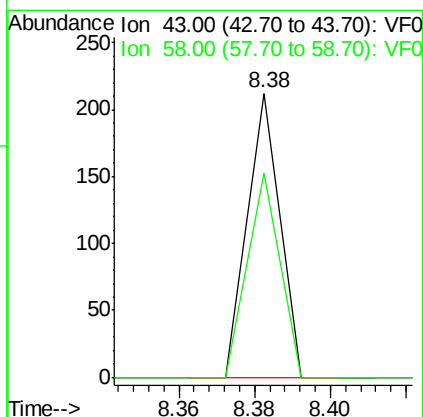
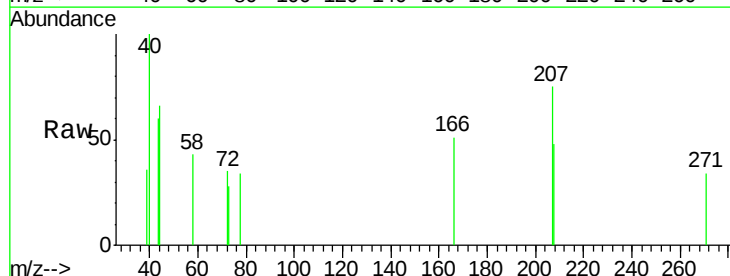
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-06

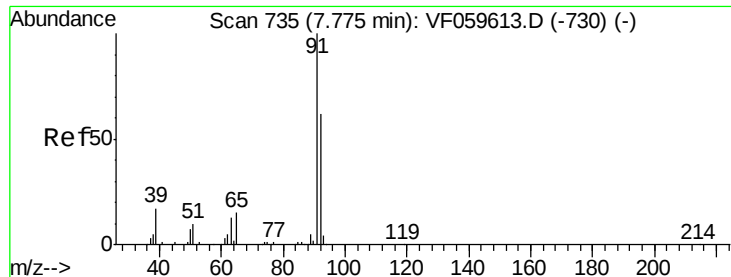
Tgt Ion: 98 Resp: 11001
Ion Ratio Lower Upper
98 100
100 71.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.619 ug/l
RT: 8.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 72.2 25.8 38.6#





#58

2-Chloroethyl Vinyl ether

Concen: 4.901 ug/l

RT: 7.85 min Scan# 742

Delta R.T. 0.08 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

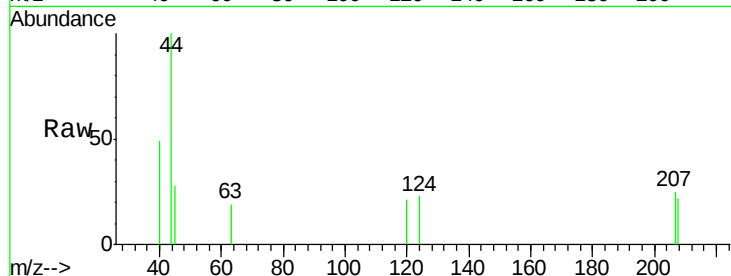
GL-TOPSOIL-06

Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.85

100

80

60

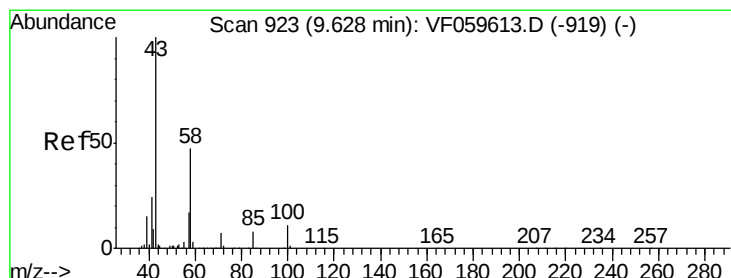
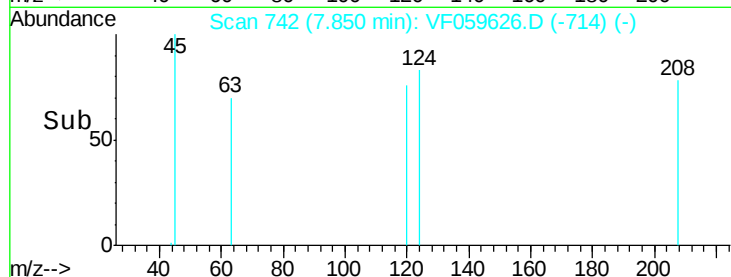
40

20

0

7.82 7.84 7.86 7.88

Time-->



#59

2-Hexanone

Concen: 3.958 ug/l

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VF059626.D

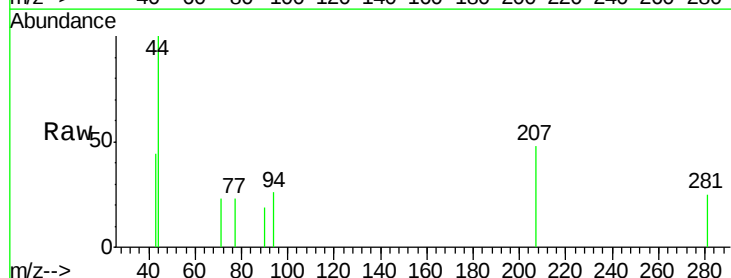
Acq: 23 Jul 2018 20:54

Tgt Ion: 43 Resp: 248

Ion Ratio Lower Upper

43 100

58 0.0 21.1 63.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.61

250

200

150

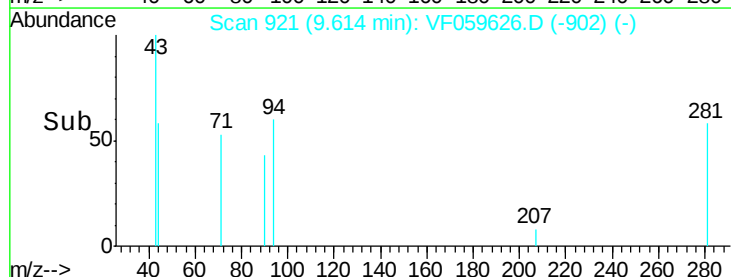
100

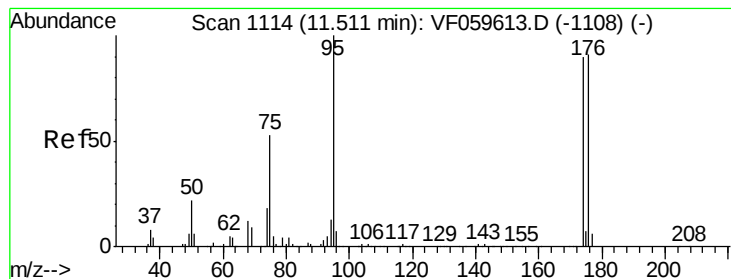
50

0

9.58 9.60 9.62 9.64 9.66

Time-->





#62

4-Bromofluorobenzene

Concen: 11.212 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

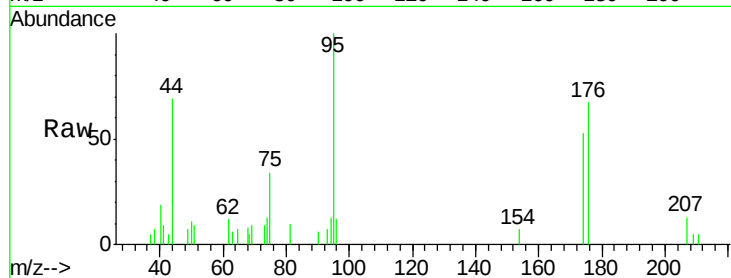
Tgt Ion: 95 Resp: 3046

Ion Ratio Lower Upper

95 100

174 53.5 0.0 180.6

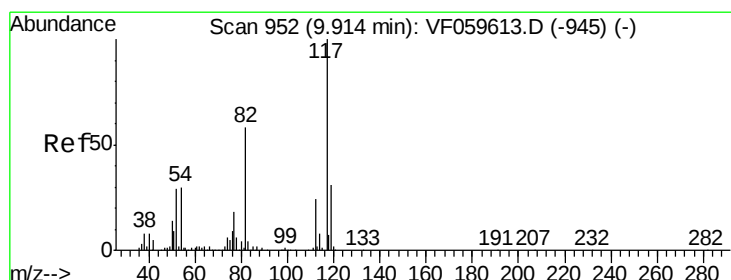
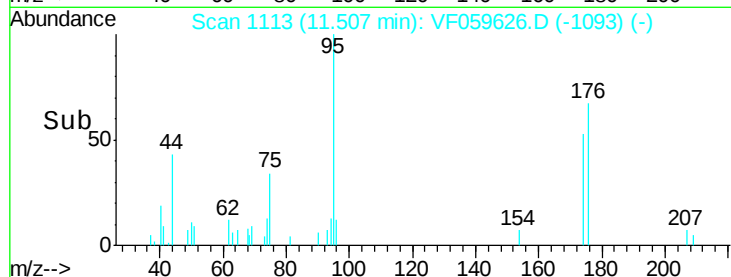
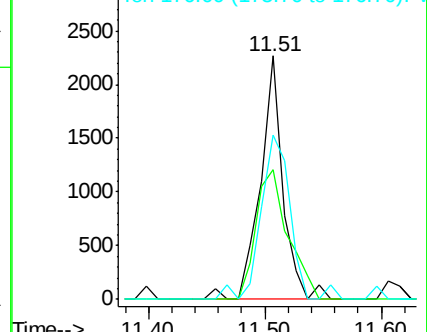
176 67.5 0.0 182.4



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# 951

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

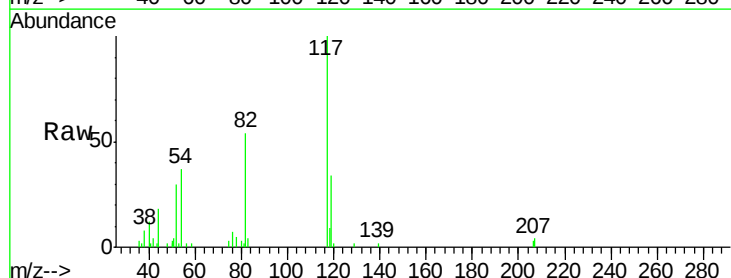
Tgt Ion: 117 Resp: 12799

Ion Ratio Lower Upper

117 100

82 54.0 46.5 69.7

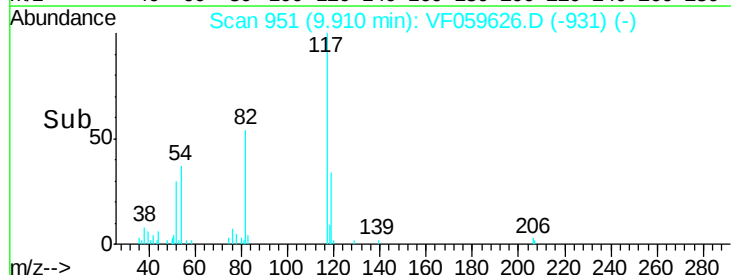
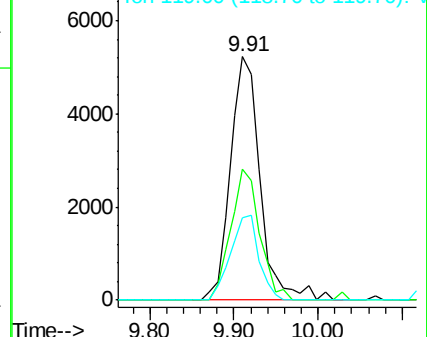
119 33.6 24.4 36.6

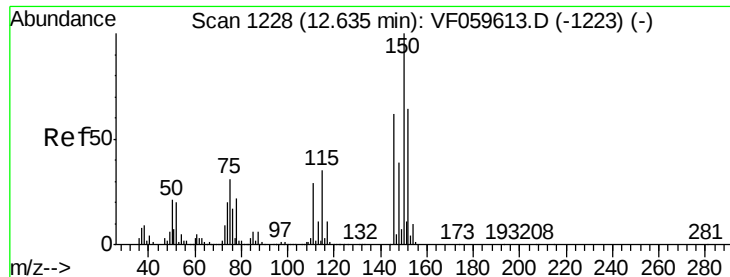


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



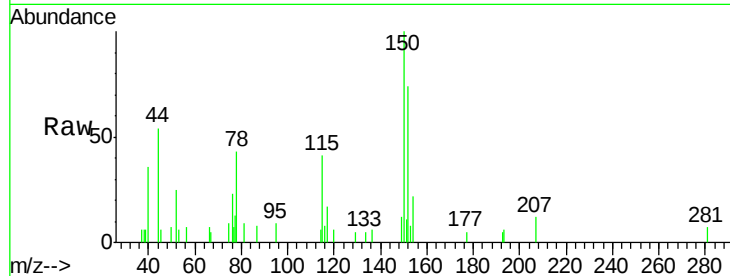


#72

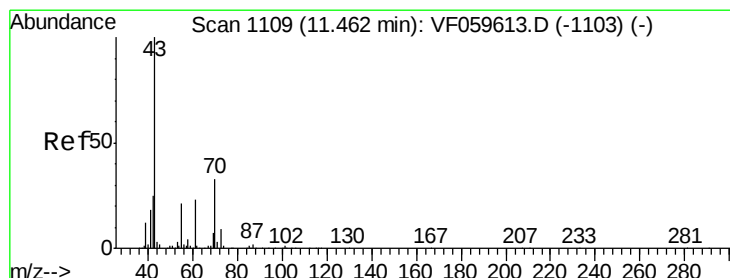
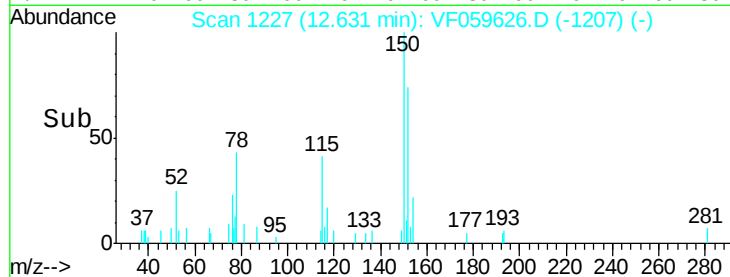
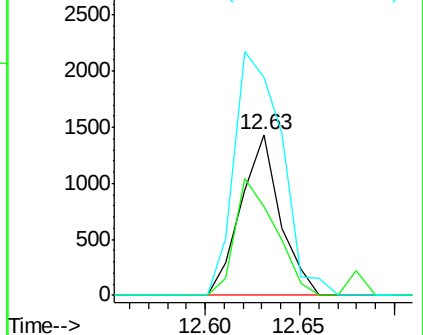
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-06

Tgt Ion: 152 Resp: 2067
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 135.1 0.0 314.6



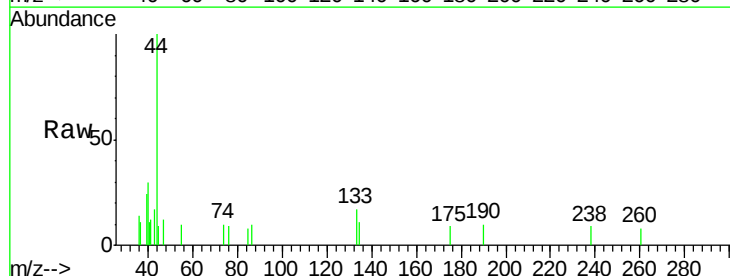
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



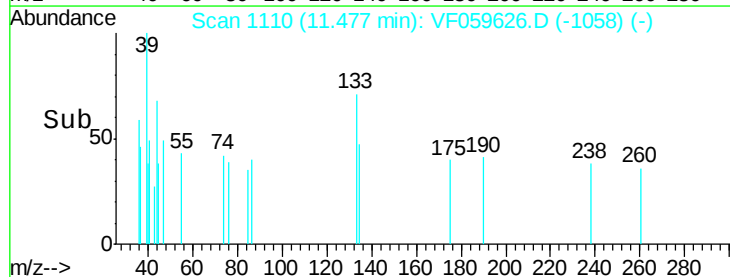
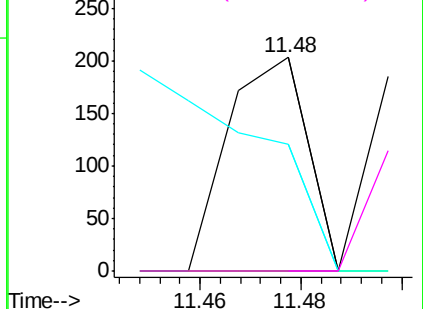
#74

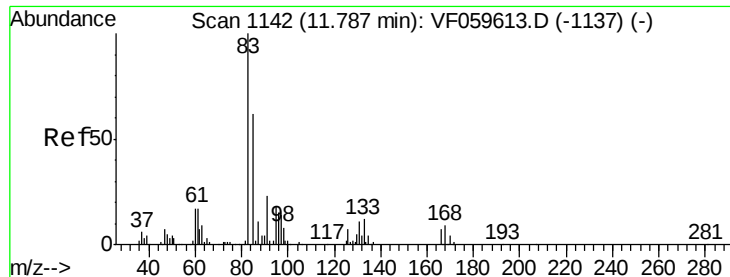
N-ethyl acetate
Concen: 7.520 ug/l
RT: 11.48 min Scan# 1110
Delta R.T. 0.02 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
70 0.0 26.6 40.0#
55 59.1 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





#75

1,1,2,2-Tetrachloroethane

Concen: 3.176 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

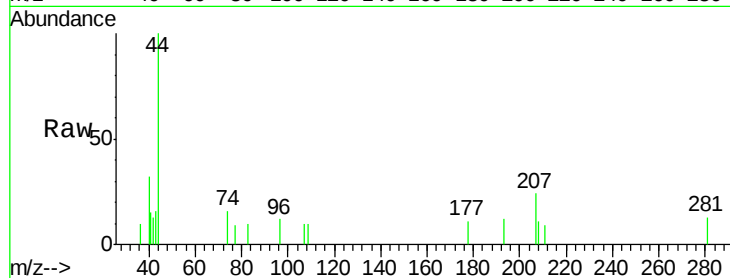
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 0.0 31.1 93.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

11.75

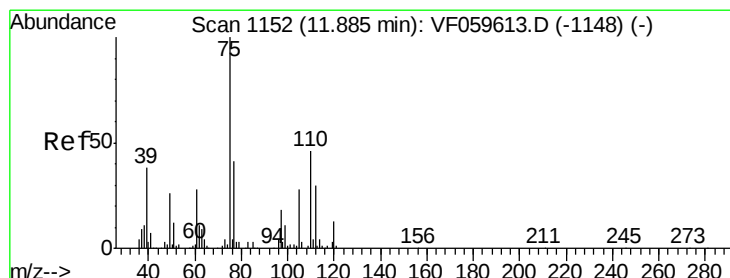
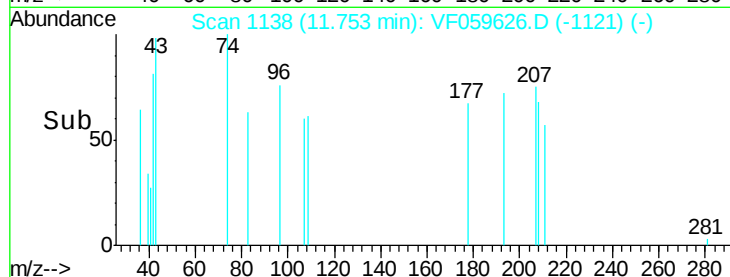
100

50

0

11.72 11.74 11.76 11.78

Time-->



#76

1,2,3-Trichloropropane

Concen: 3.428 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.05 min

Lab File: VF059626.D

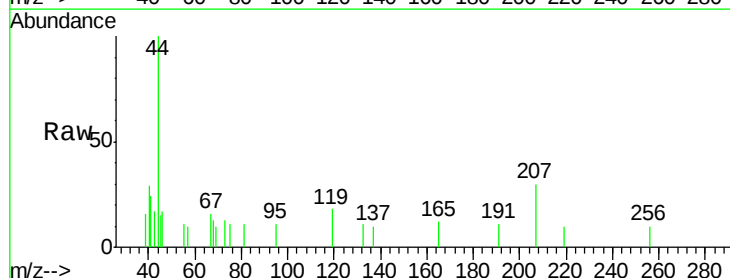
Acq: 23 Jul 2018 20:54

Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 20.9 62.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

11.93

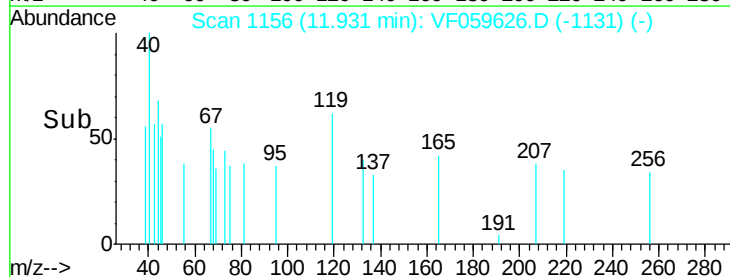
100

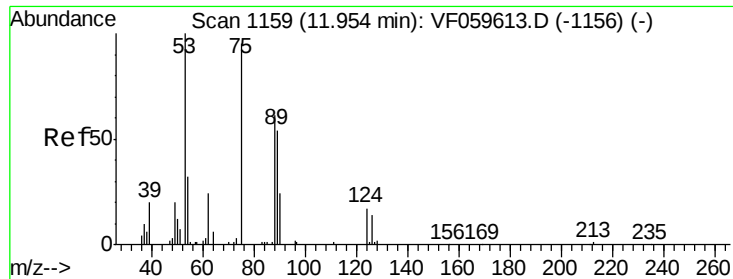
50

0

11.90 11.92 11.94 11.96

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 8.643 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

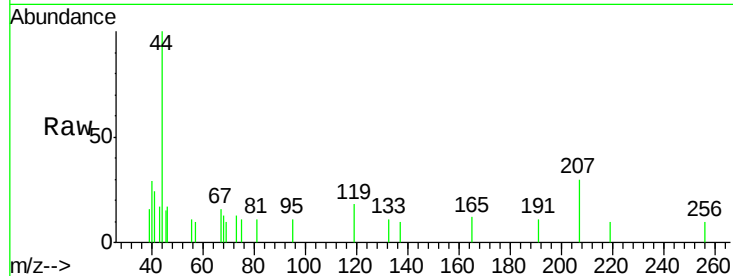
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

53 0.0 86.4 129.6#

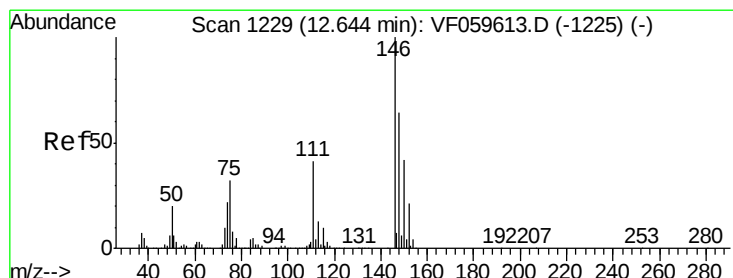
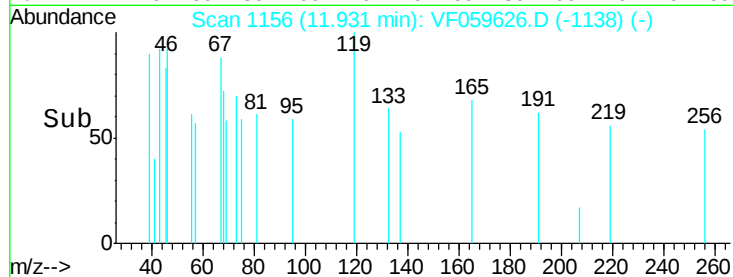
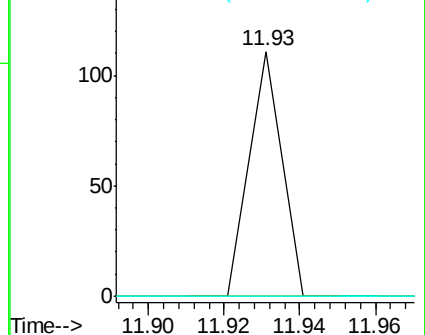
89 0.0 46.8 70.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#88

1,4-Dichlorobenzene

Concen: 1.013 ug/l

RT: 12.67 min Scan# 1231

Delta R.T. 0.03 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

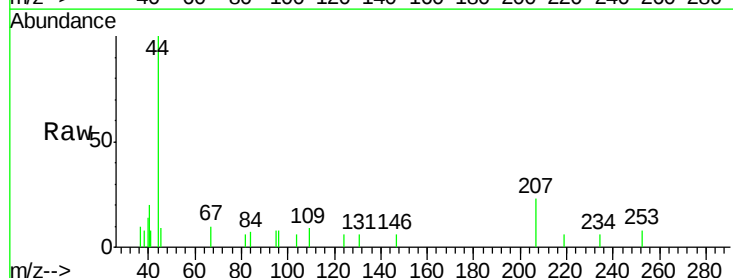
Tgt Ion: 146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 20.5 61.5#

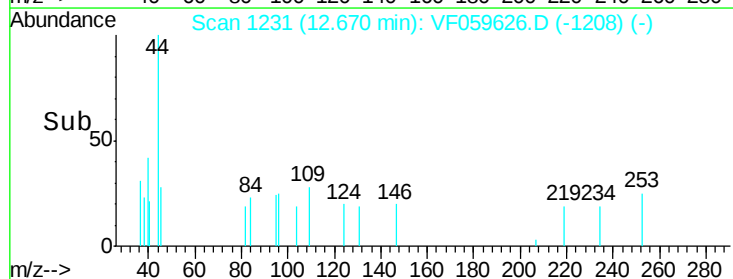
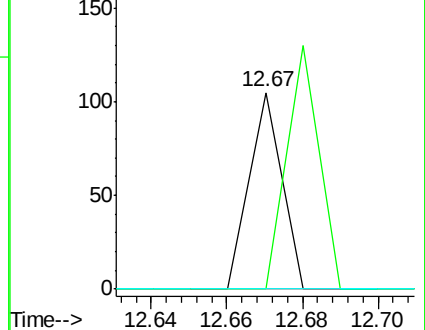
148 0.0 32.3 96.8#

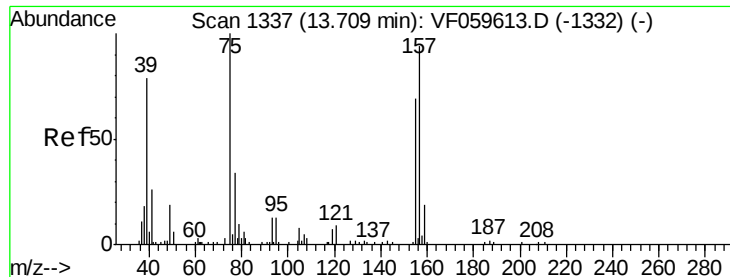


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.761 ug/l

RT: 13.69 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

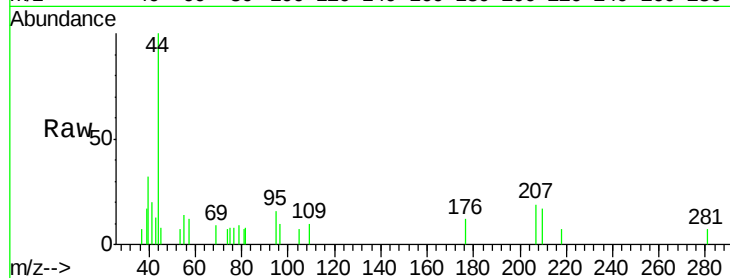
Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

155 0.0 34.6 103.8#

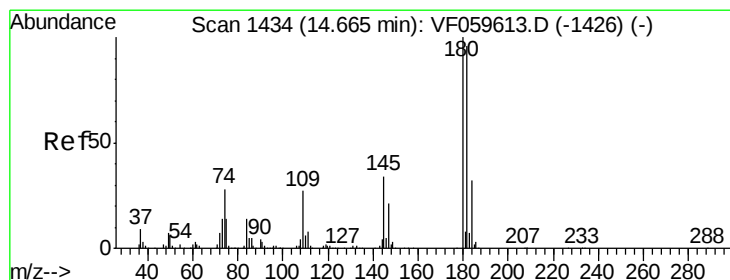
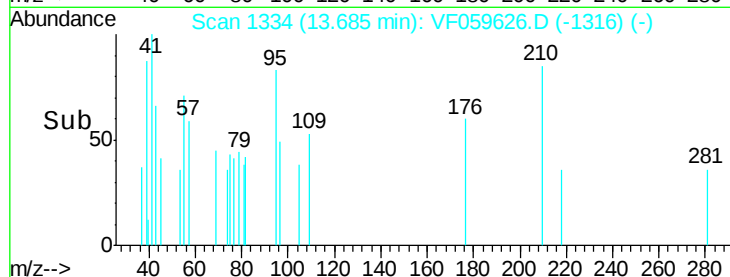
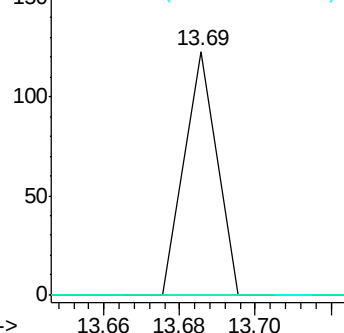
157 0.0 47.0 141.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.477 ug/l

RT: 14.80 min Scan# 1447

Delta R.T. 0.13 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

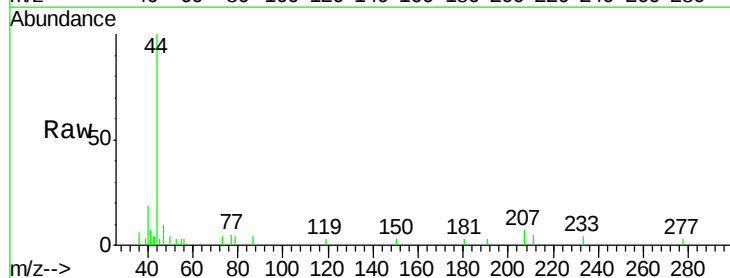
Tgt Ion: 180 Resp: 61

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.2#

145 0.0 17.1 51.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

