

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059424.D
 Acq On : 3 Jul 2018 20:47
 Operator : VA/AP
 Sample : J3845-08
 Misc : 5.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-4

Quant Time: Jul 04 00:14:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	281	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.74	114	906	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.69	98	591	36.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	72.12%	
62) 4-Bromofluorobenzene	11.55	95	118	12.76	ug/l	0.05
Spiked Amount	50.000		Recovery	=	25.52%	

Target Compounds

						Qvalue
3) Chloromethane	1.08	50	195	113.059	ug/l #	41
5) Bromomethane	1.35	94	65	68.883	ug/l #	4
6) Chloroethane	1.43	64	118	137.997	ug/l #	45
8) Diethyl Ether	1.79	74	65	75.511	ug/l	84
11) Tert butyl alcohol	2.64	59	61	252.385	ug/l #	66
12) 1,1-Dichloroethene	1.75	96	66	39.839	ug/l #	1
13) Acrolein	2.14	56	93	853.655	ug/l #	10
14) Allyl chloride	2.20	41	73	23.474	ug/l #	1
15) Acrylonitrile	3.01	53	72	169.165	ug/l #	74
16) Acetone	2.27	43	66	65.254	ug/l #	65
18) Methyl Acetate	2.40	43	326	202.497	ug/l #	61
19) Methyl tert-butyl Ether	2.52	73	199	32.204	ug/l #	63
20) Methylene Chloride	2.40	84	62	27.062	ug/l #	1
21) trans-1,2-Dichloroethene	2.48	96	79	44.703	ug/l #	1
22) Diisopropyl ether	2.90	45	152	22.072	ug/l #	37
23) Vinyl Acetate	3.31	43	143	32.606	ug/l #	79
25) 2-Butanone	4.52	43	128	115.066	ug/l #	59
26) 2,2-Dichloropropane	3.74	77	183	62.141	ug/l #	62
28) Bromochloromethane	3.71	49	68	40.680	ug/l #	6
29) Tetrahydrofuran	4.21	42	61	126.249	ug/l #	36
30) Chloroform	3.95	83	80	12.943	ug/l #	18
31) Cyclohexane	3.86	56	66	23.596	ug/l #	13
36) 1,1-Dichloropropene	4.46	75	65	8.213	ug/l #	44
37) Ethyl Acetate	4.26	43	138	26.563	ug/l #	26
38) Carbon Tetrachloride	4.14	117	61	6.107	ug/l #	10
39) Methylcyclohexane	5.44	83	71	10.123	ug/l #	55
40) Benzene	4.71	78	134	7.636	ug/l #	51
41) Methacrylonitrile	4.87	41	166	61.486	ug/l #	26
43) Isopropyl Acetate	7.11	43	449	68.108	ug/l #	52
44) Trichloroethene	5.75	130	77	12.791	ug/l	1
45) 1,2-Dichloropropane	6.41	63	67	13.363	ug/l #	43
47) Bromodichloromethane	6.62	83	67	6.360	ug/l #	26
48) Methyl methacrylate	6.89	41	77	17.427	ug/l #	35
49) 1,4-Dioxane	7.03	88	79	3455.489	ug/l #	20

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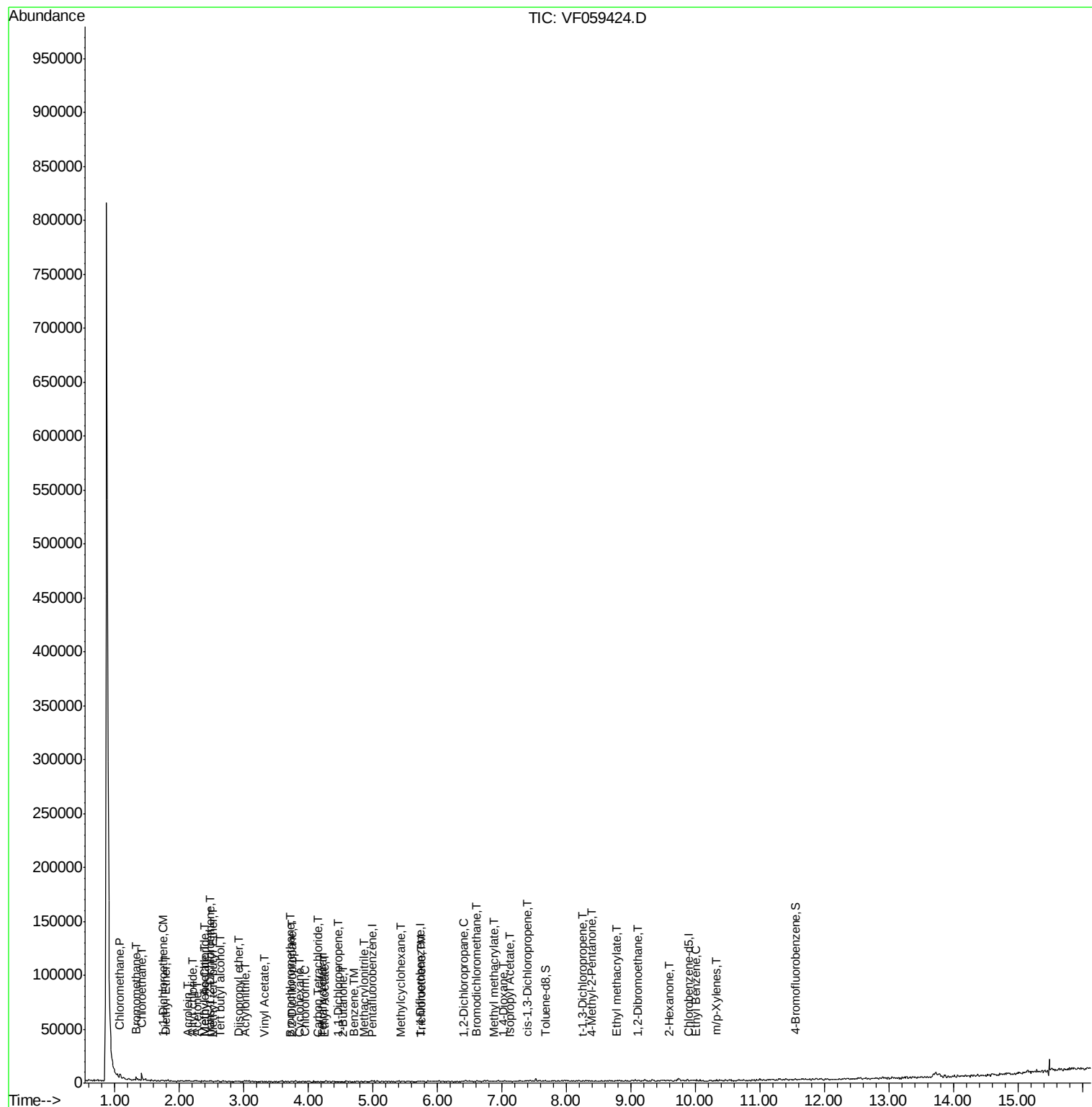
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	8.40	43	194	39.721	ug/l #	39
53) t-1,3-Dichloropropene	8.26	75	154	16.039	ug/l #	43
54) cis-1,3-Dichloropropene	7.41	75	67	6.424	ug/l #	23
56) Ethyl methacrylate	8.77	69	69	10.925	ug/l #	17
59) 2-Hexanone	9.58	43	89	7.891	ug/l #	30
61) 1,2-Dibromoethane	9.11	107	60	9.704	ug/l #	1
67) Ethyl Benzene	10.00	91	138	13.104	ug/l #	44
68) m/p-Xylenes	10.33	106	67	17.875	ug/l #	1

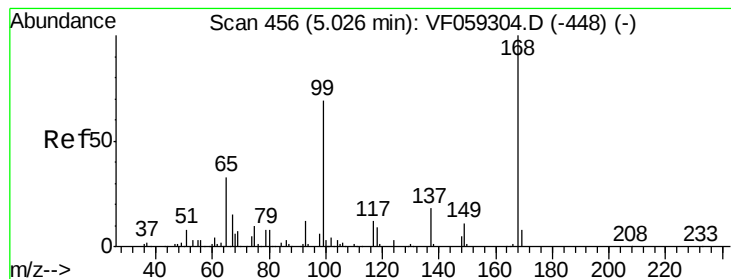
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

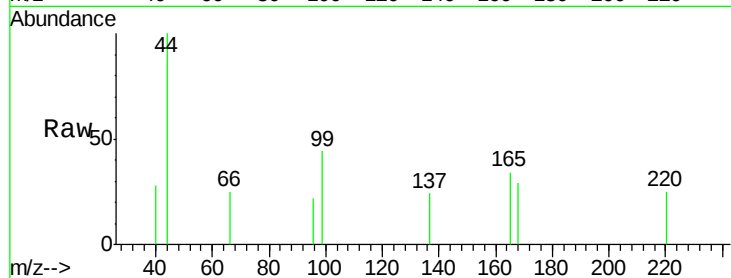
GF-G-4

Tot Ion:168 Resp: 281

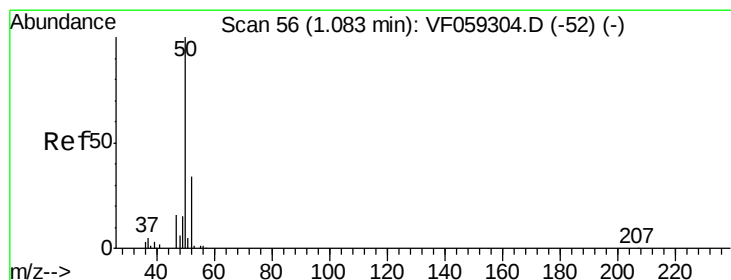
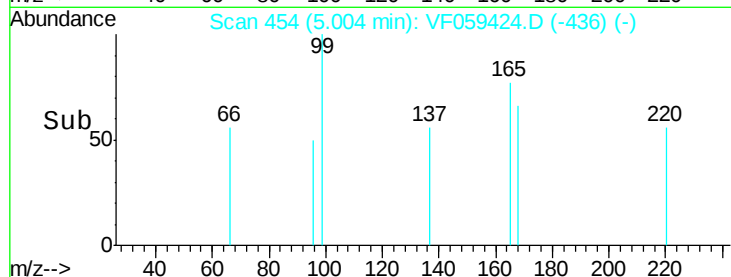
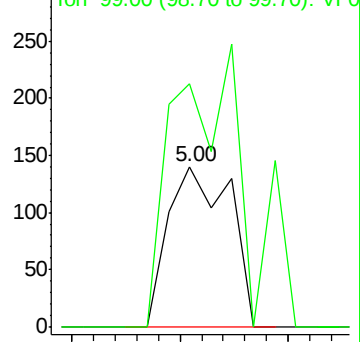
Ion Ratio Lower Upper

168 100

99 152.1 54.9 82.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 113.059 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059424.D

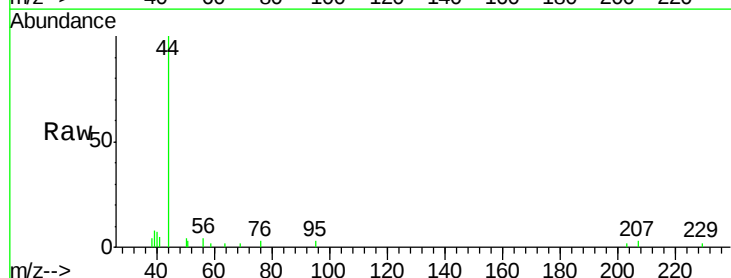
Acq: 3 Jul 2018 20:47

Tgt Ion: 50 Resp: 195

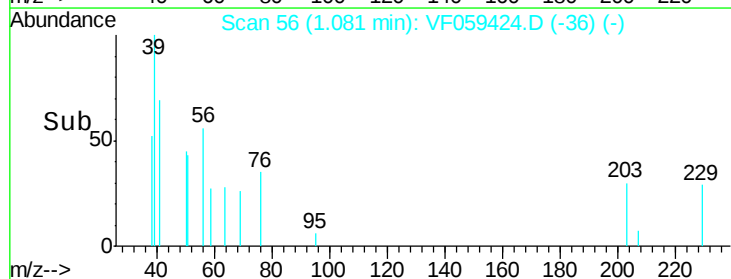
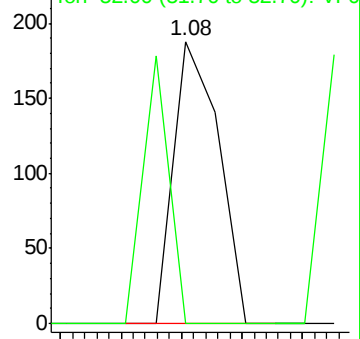
Ion Ratio Lower Upper

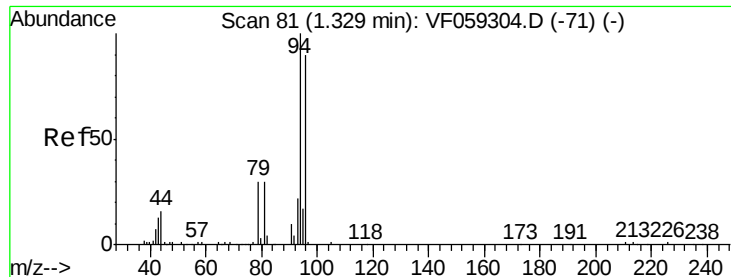
50 100

52 0.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#5

Bromomethane

Concen: 68.883 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

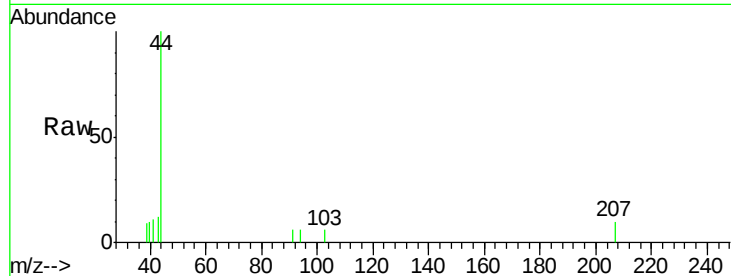
GF-G-4

Tot Ion: 94 Resp: 65

Ion Ratio Lower Upper

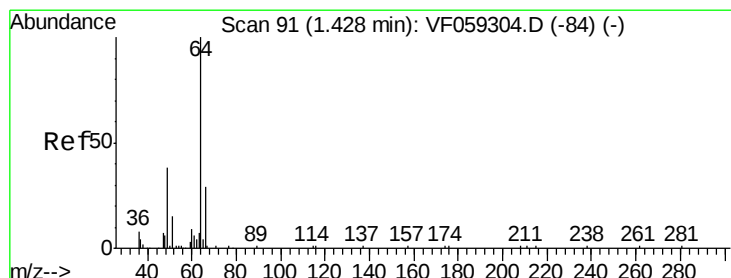
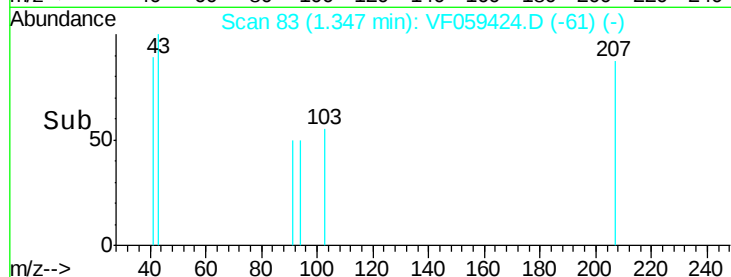
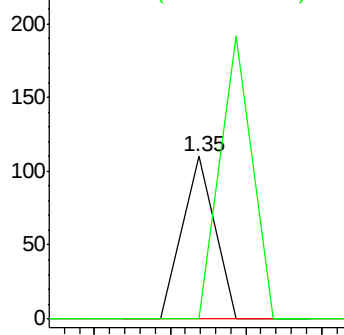
94 100

96 0.0 73.4 110.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 137.997 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059424.D

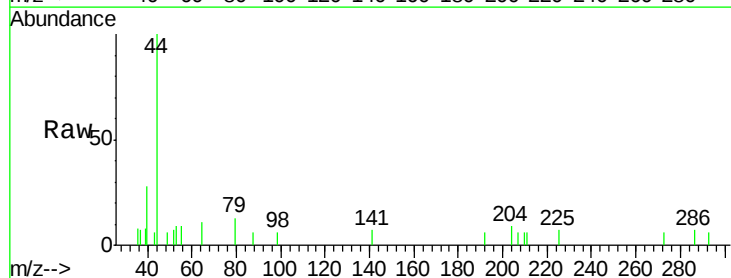
Acq: 3 Jul 2018 20:47

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

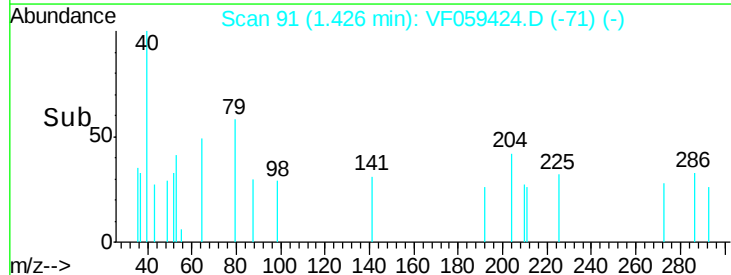
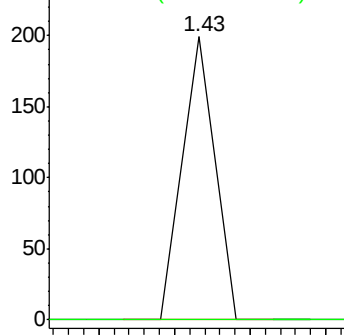
64 100

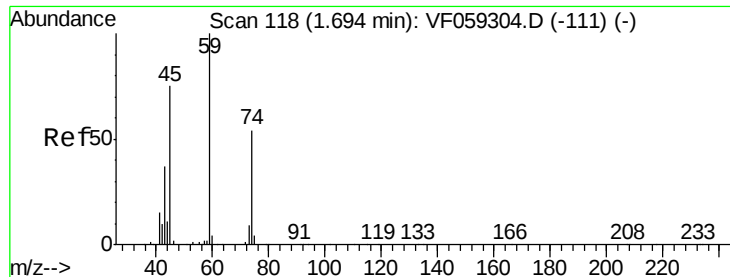
66 0.0 23.9 35.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 75.511 ug/l

RT: 1.79 min Scan# 128

Delta R.T. 0.10 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

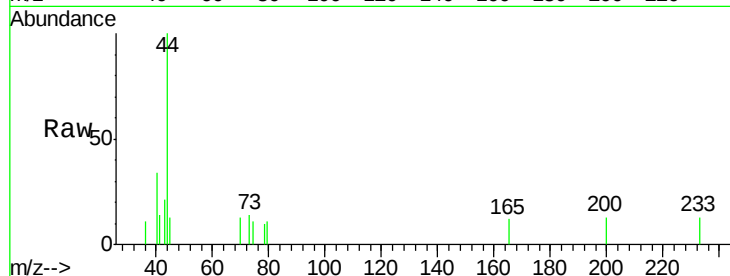
GF-G-4

Tot Ion: 74 Resp: 65

Ion Ratio Lower Upper

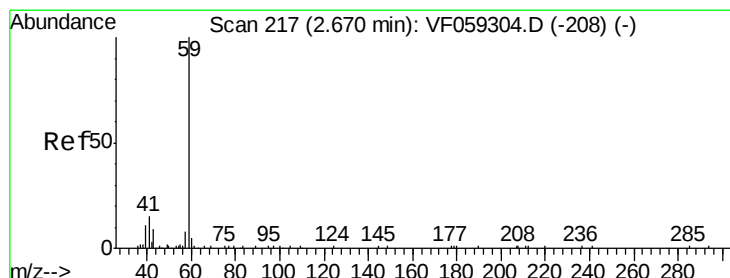
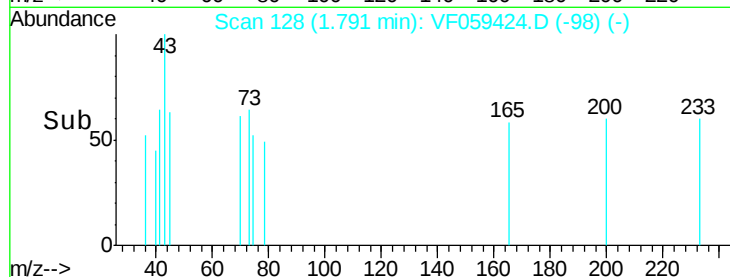
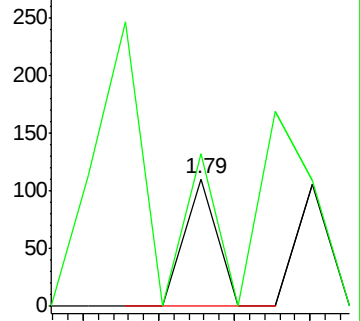
74 100

45 120.0 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 252.385 ug/l

RT: 2.64 min Scan# 214

Delta R.T. -0.03 min

Lab File: VF059424.D

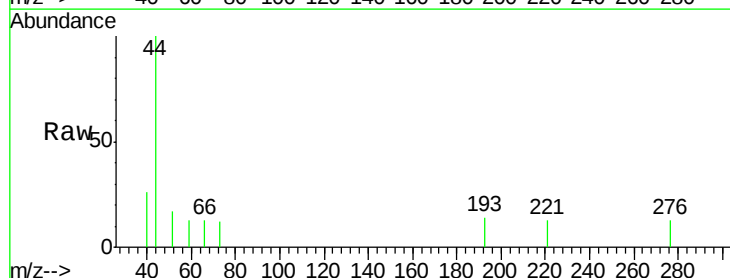
Acq: 3 Jul 2018 20:47

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

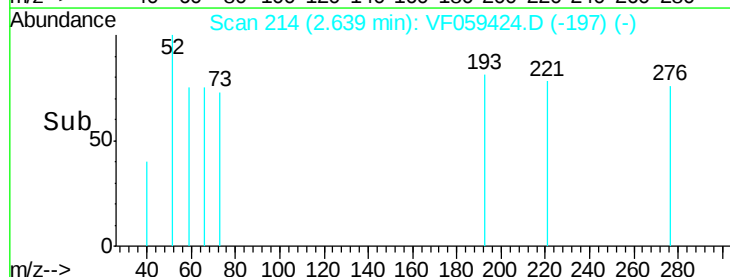
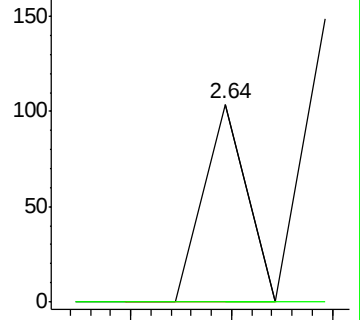
59 100

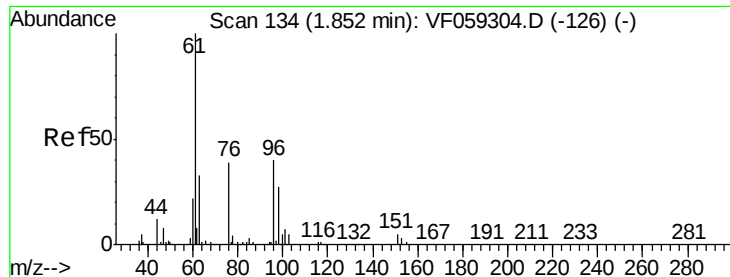
57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 39.839 ug/l

RT: 1.75 min Scan# 124

Delta R.T. -0.10 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

GF-G-4

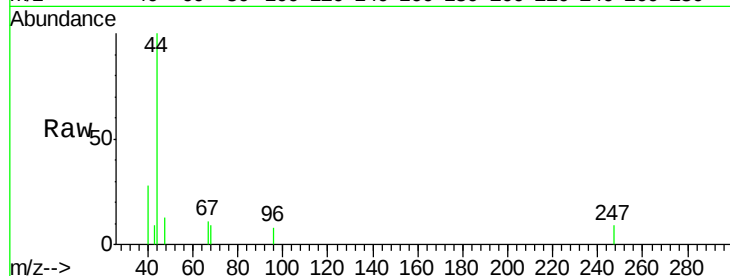
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 201.1 301.7#

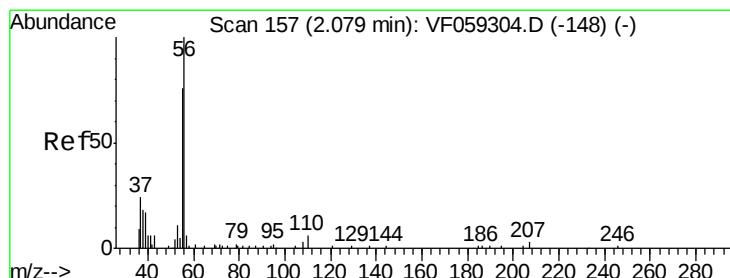
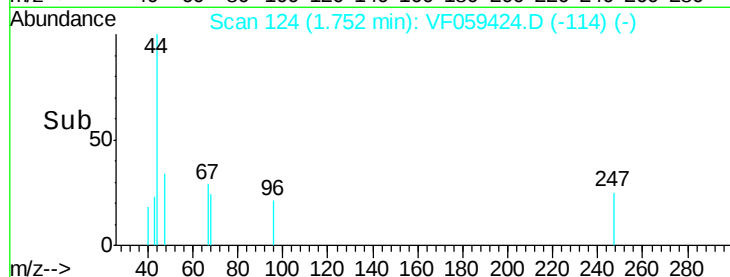
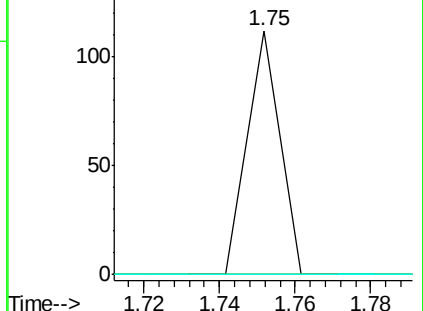
98 0.0 53.9 80.9#



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



#13

Acrolein

Concen: 853.655 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.06 min

Lab File: VF059424.D

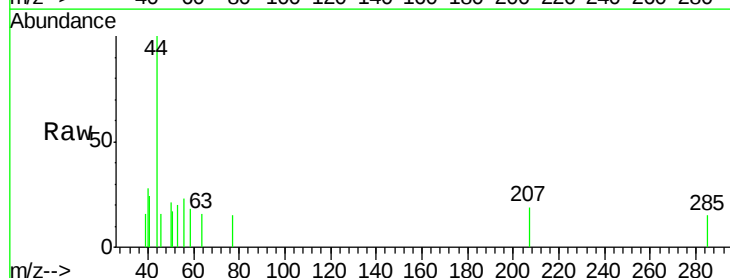
Acq: 3 Jul 2018 20:47

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

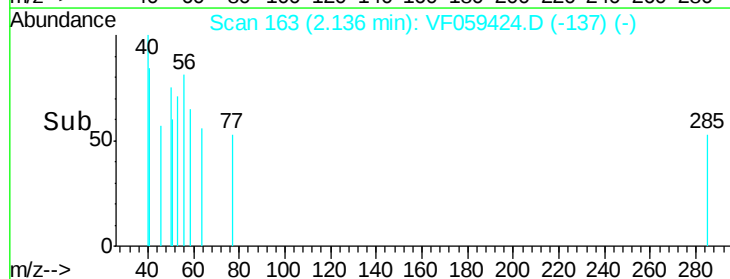
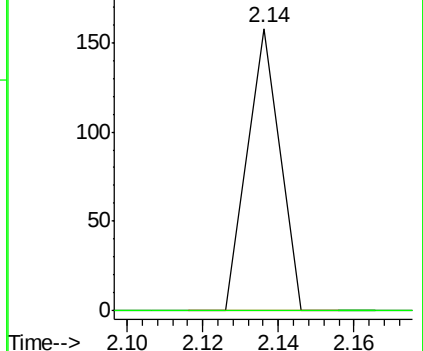
56 100

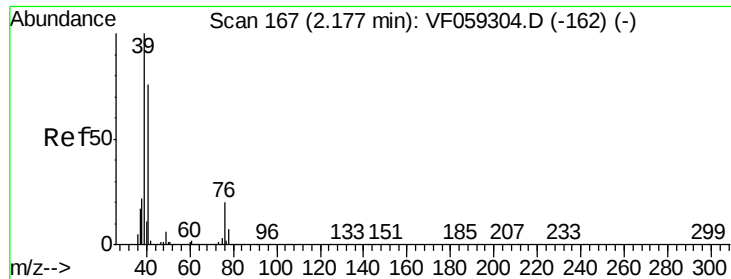
55 0.0 62.4 93.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

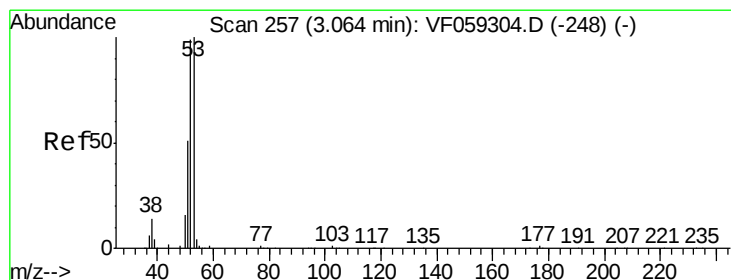
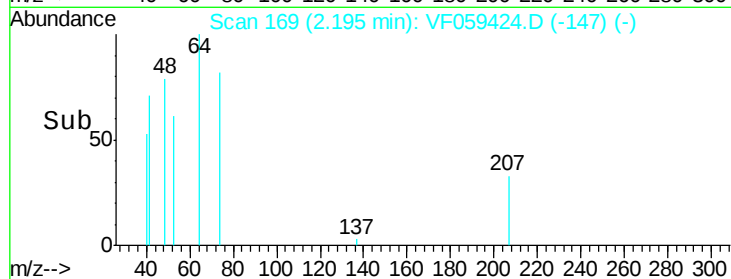
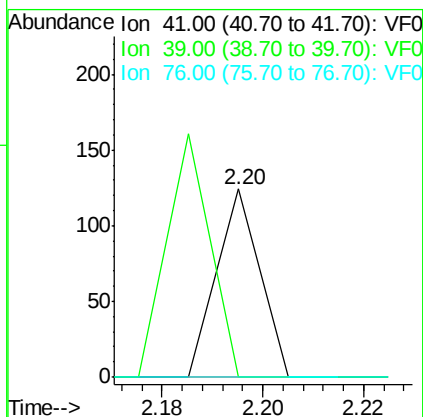
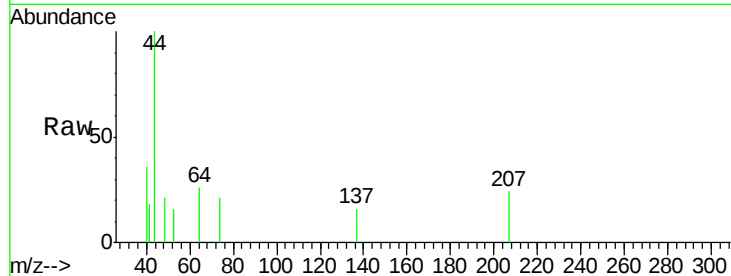




#14
Allvl chloride
Concen: 23.474 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.02 min
Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

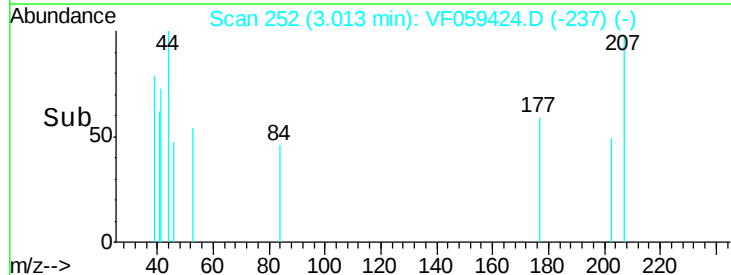
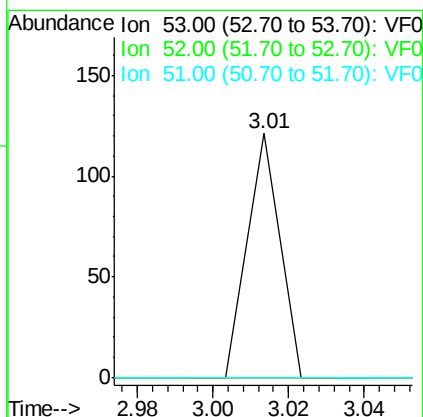
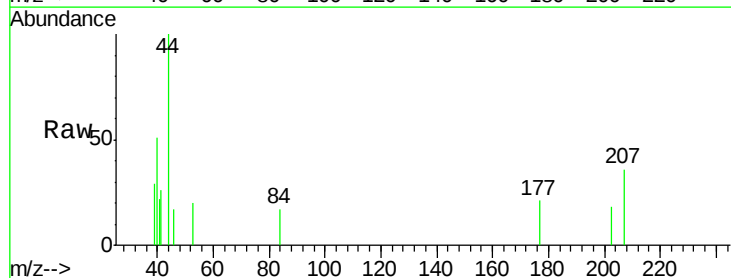
Instrument :
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ClientSampled :
GF-G-4

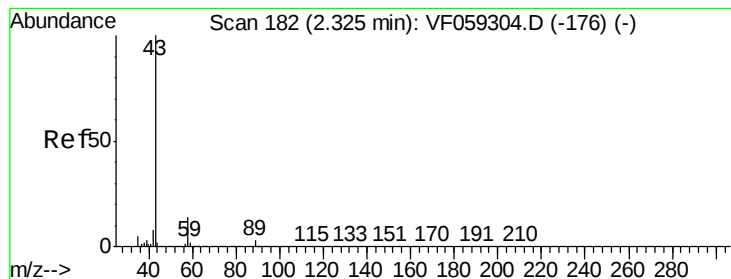
Tot Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
39 0.0 105.6 158.4#
76 0.0 21.6 32.4#



#15
Acrylonitrile
Concen: 169.165 ug/l
RT: 3.01 min Scan# 252
Delta R.T. -0.05 min
Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Tgt Ion: 53 Resp: 72
Ion Ratio Lower Upper
53 100
52 100.0 79.2 118.8
51 0.0 40.9 61.3#





#16

Acetone

Concen: 65.254 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.05 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

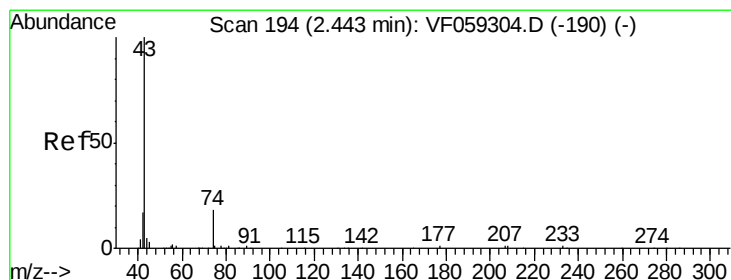
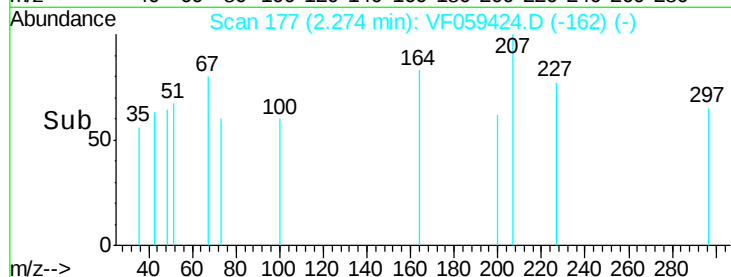
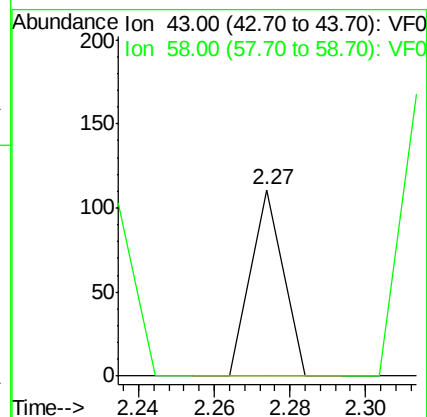
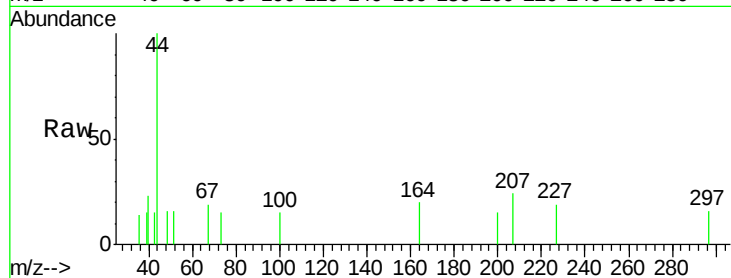
GF-G-4

Tot Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.0#



#18

Methyl Acetate

Concen: 202.497 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.04 min

Lab File: VF059424.D

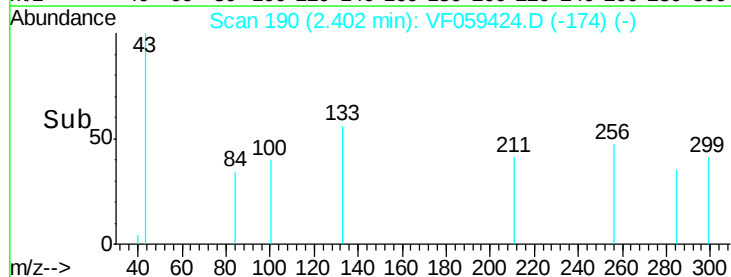
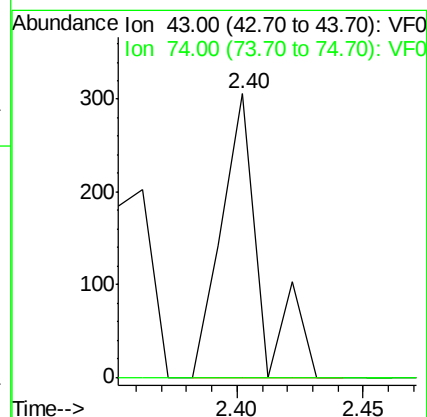
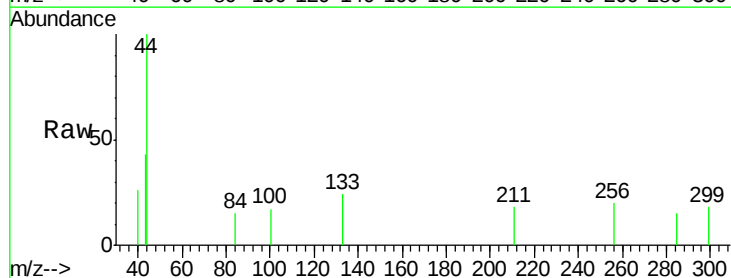
Acq: 3 Jul 2018 20:47

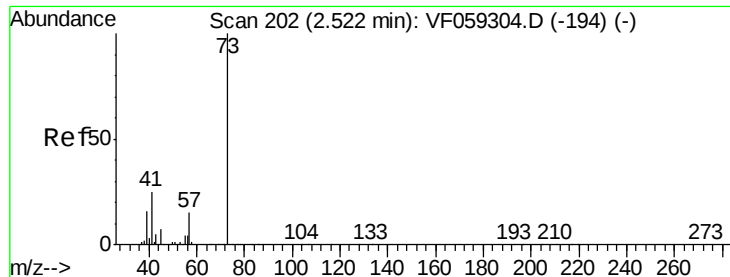
Tgt Ion: 43 Resp: 326

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#



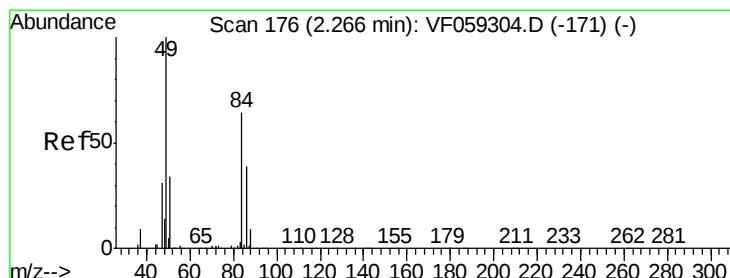
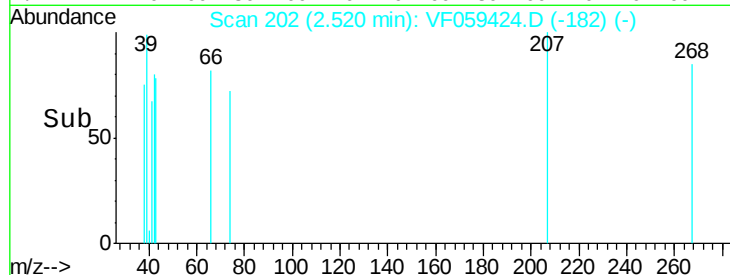
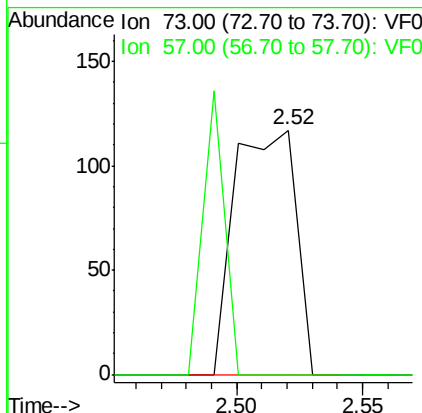
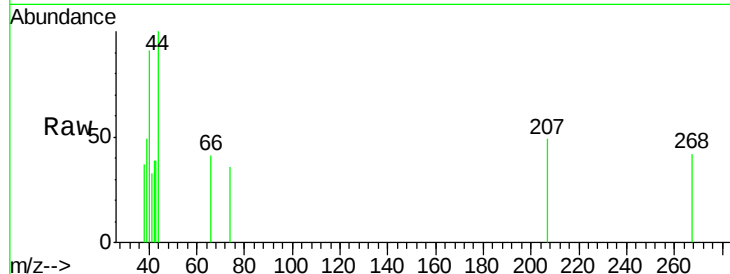


#19

Methyl tert-butyl Ether
 Concen: 32.204 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059424.D
 Acq: 3 Jul 2018 20:47

Instrument :
 MSVOA_F
 ClientSampled :
 GF-G-4

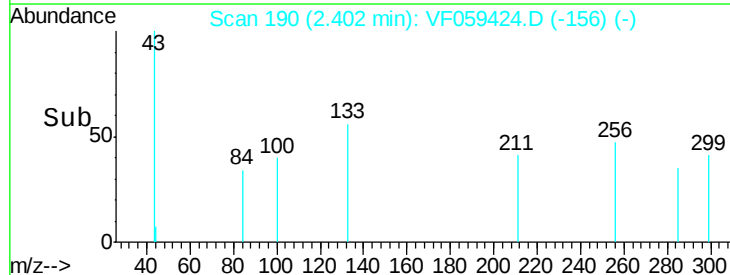
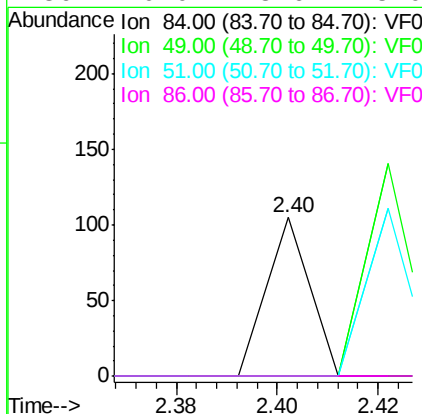
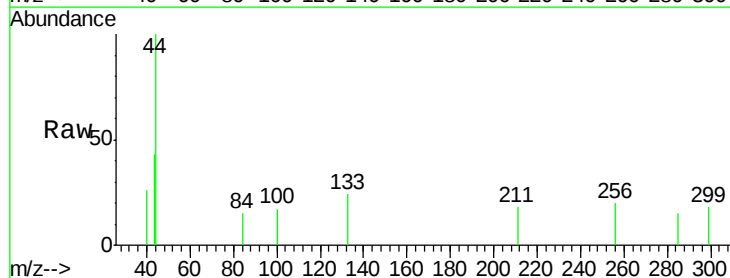
Tot Ion: 73 Resp: 199
 Ion Ratio Lower Upper
 73 100
 57 0.0 12.3 18.5#

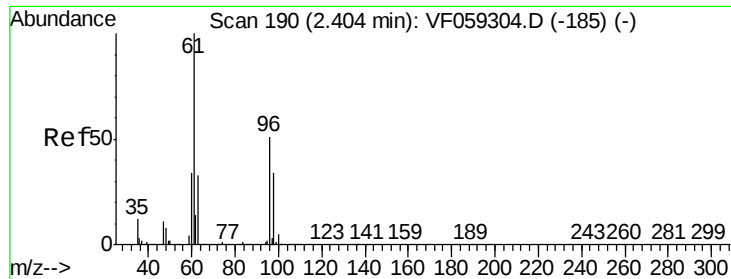


#20

Methylene Chloride
 Concen: 27.062 ug/l
 RT: 2.40 min Scan# 190
 Delta R.T. 0.14 min
 Lab File: VF059424.D
 Acq: 3 Jul 2018 20:47

Tgt Ion: 84 Resp: 62
 Ion Ratio Lower Upper
 84 100
 49 0.0 126.5 189.7#
 51 0.0 42.9 64.3#
 86 0.0 48.6 73.0#





#21

trans-1,2-Dichloroethene

Concen: 44.703 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.08 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

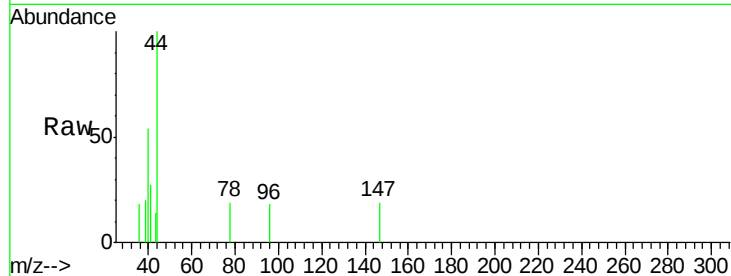
Tot Ion: 96 Resp: 79

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.2#

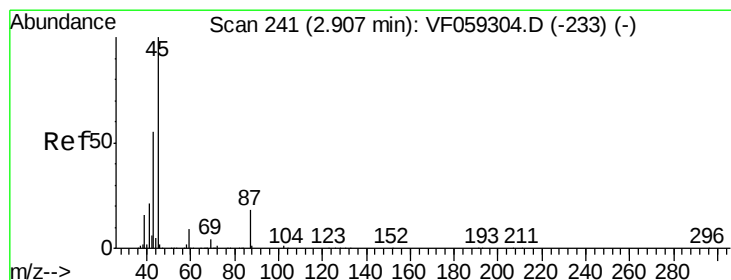
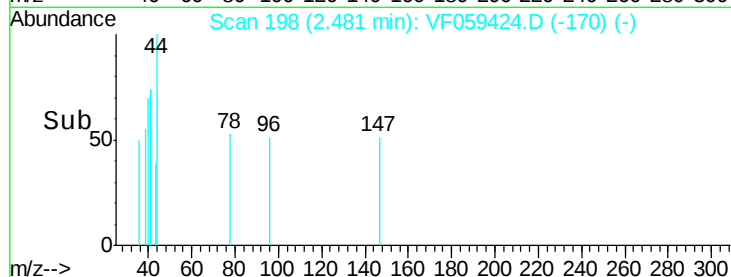
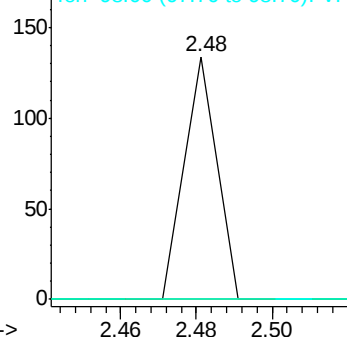
98 0.0 53.7 80.5#



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: 22.072 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Tgt Ion: 45 Resp: 152

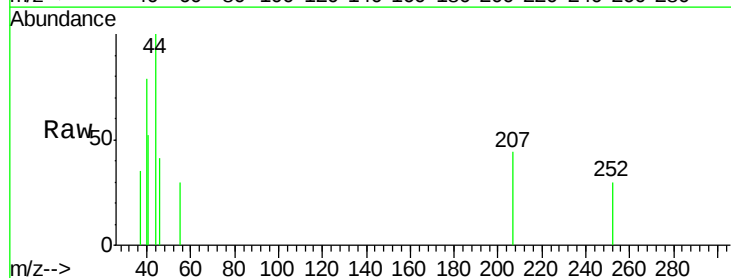
Ion Ratio Lower Upper

45 100

43 0.0 44.6 66.8#

87 0.0 14.3 21.5#

59 0.0 7.5 11.3#

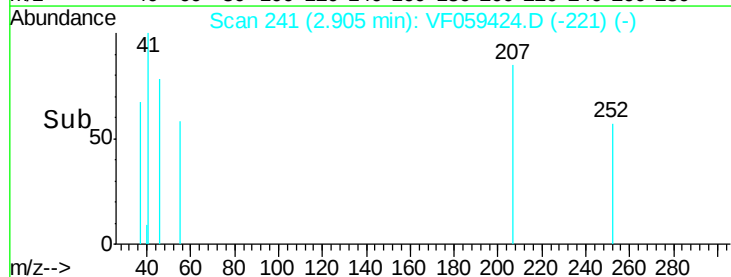
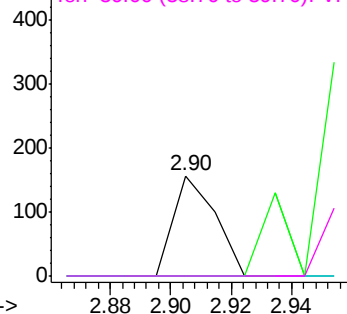


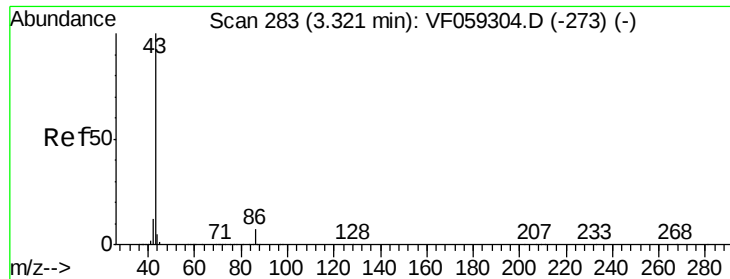
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 32.606 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampleID :

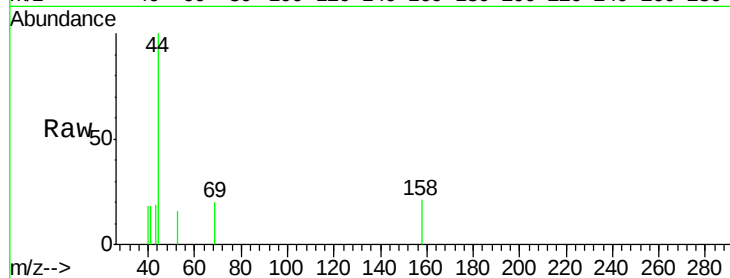
GF-G-4

Tot Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

86 0.0 5.8 8.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

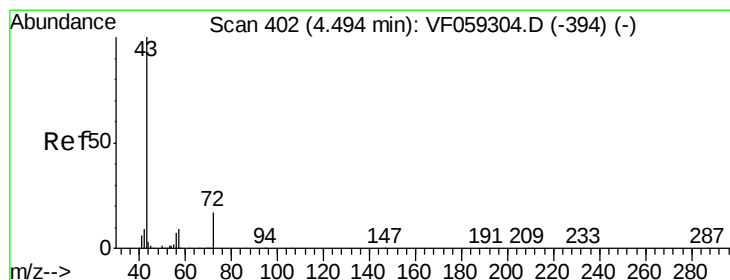
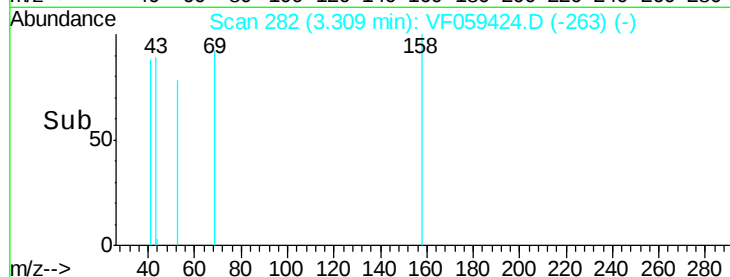
100

50

0

3.26 3.28 3.30 3.32 3.34

Time-->



#25

2-Butanone

Concen: 115.066 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.03 min

Lab File: VF059424.D

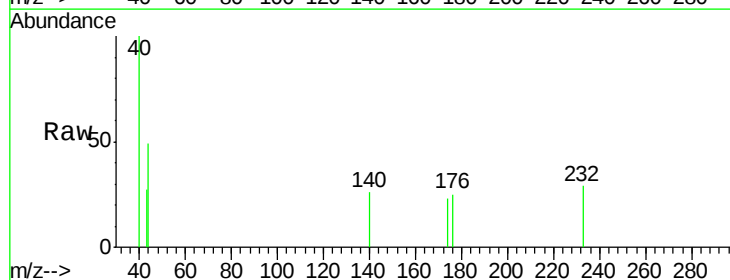
Acq: 3 Jul 2018 20:47

Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.52

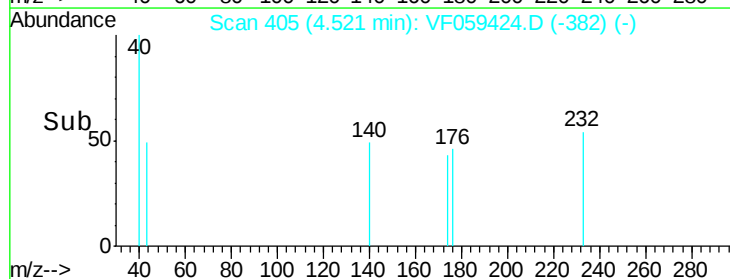
100

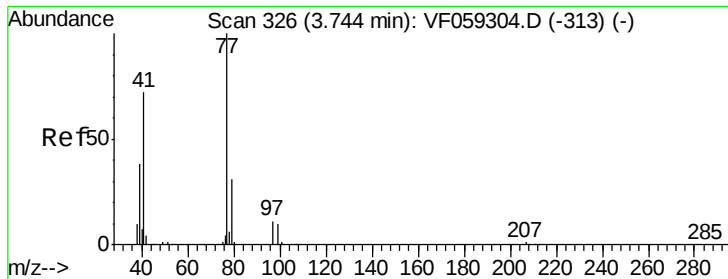
50

0

4.50 4.52 4.54

Time-->





#26

2,2-Dichloropropane

Concen: 62.141 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

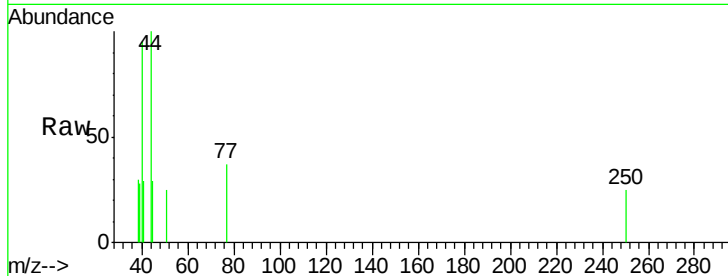
GF-G-4

Tot Ion: 77 Resp: 183

Ion Ratio Lower Upper

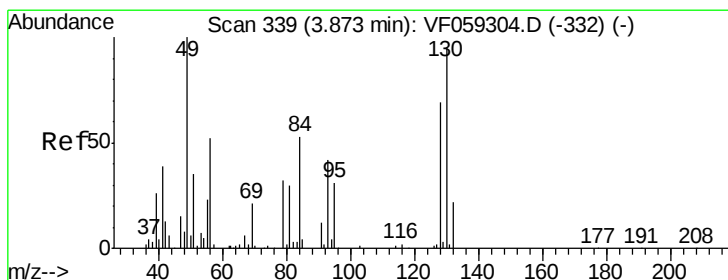
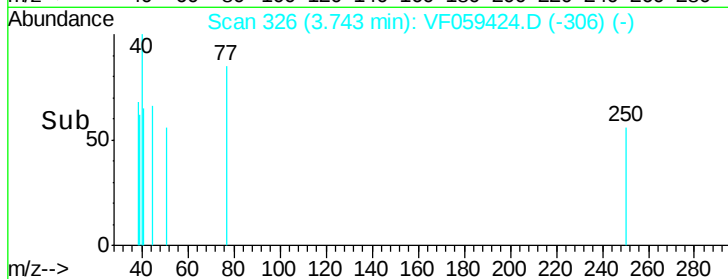
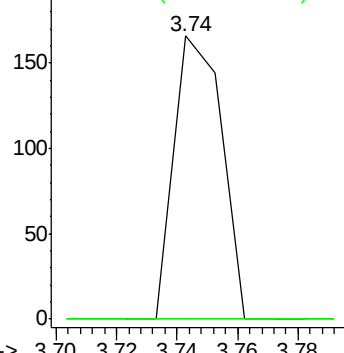
77 100

97 0.0 8.0 23.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#28

Bromochloromethane

Concen: 40.680 ug/l

RT: 3.71 min Scan# 323

Delta R.T. -0.16 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

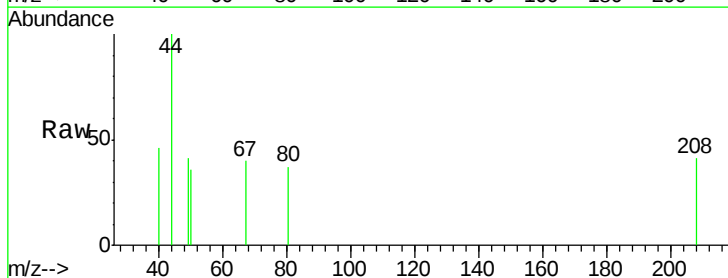
Tgt Ion: 49 Resp: 68

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

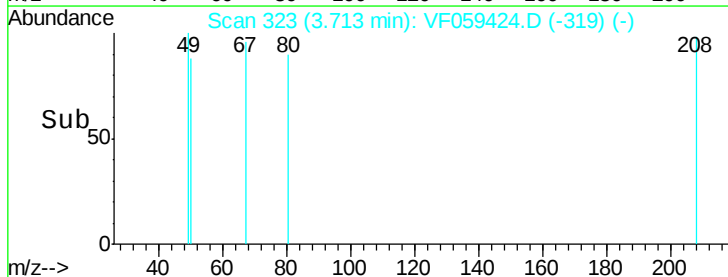
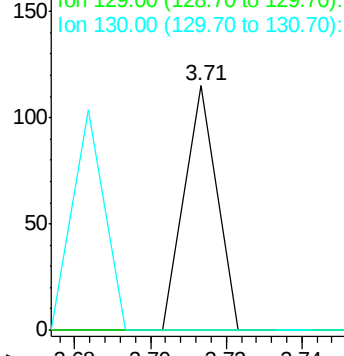
130 0.0 75.1 112.7#

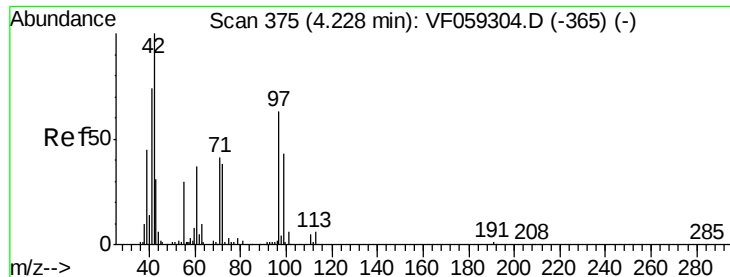


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 126.249 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

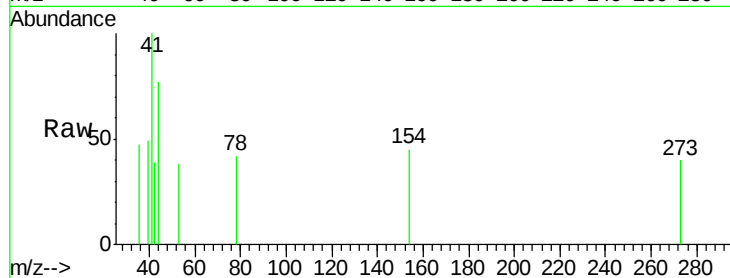
Tot Ion: 42 Resp: 61

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

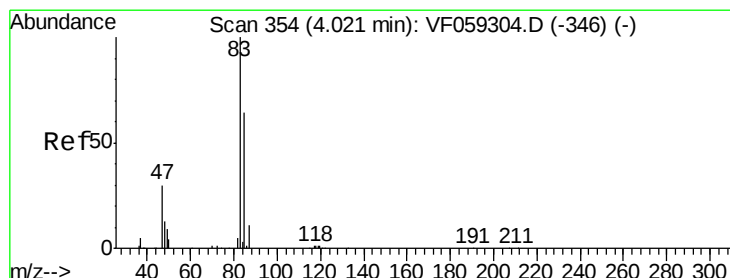
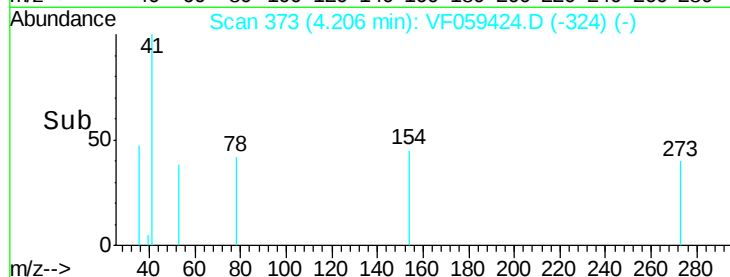
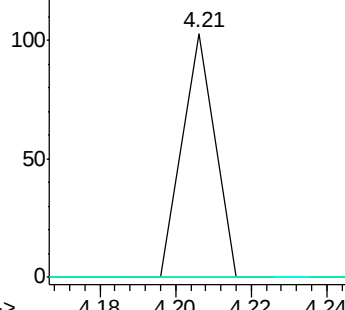
71 0.0 32.5 48.7#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 12.943 ug/l

RT: 3.95 min Scan# 347

Delta R.T. -0.07 min

Lab File: VF059424.D

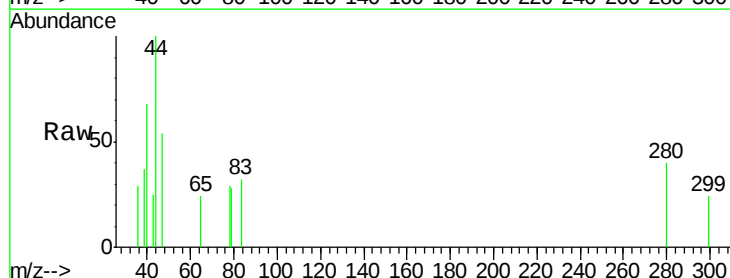
Acq: 3 Jul 2018 20:47

Tgt Ion: 83 Resp: 80

Ion Ratio Lower Upper

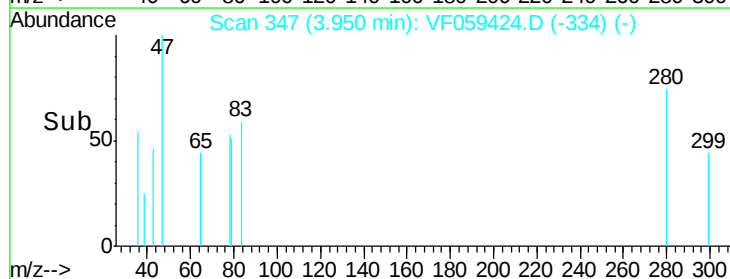
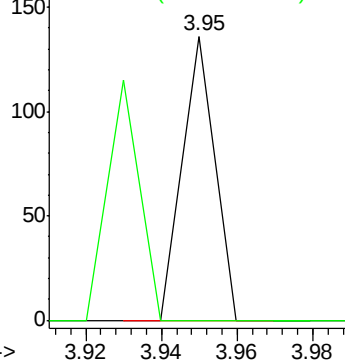
83 100

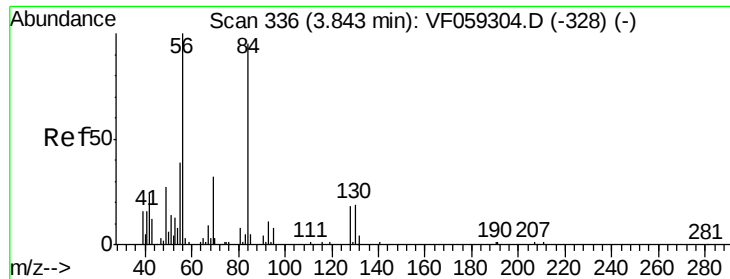
85 0.0 51.3 76.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

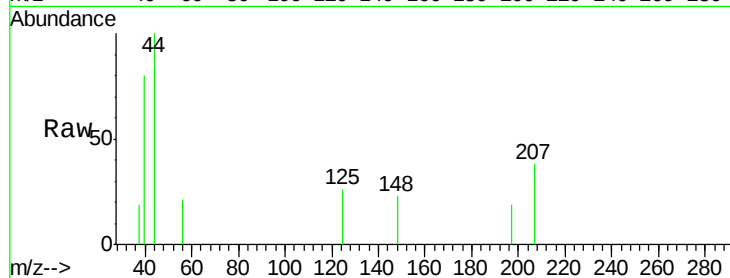




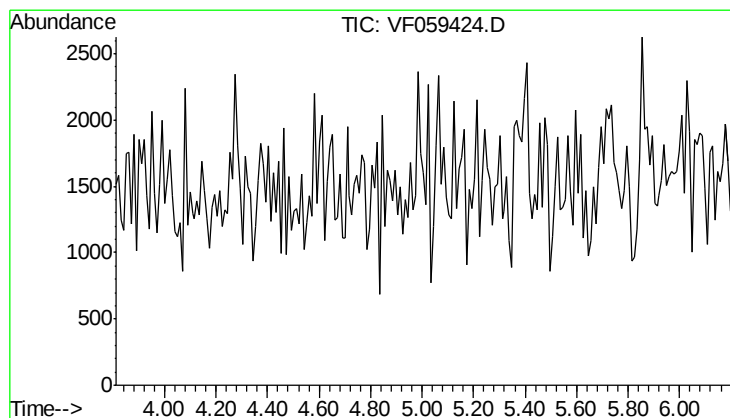
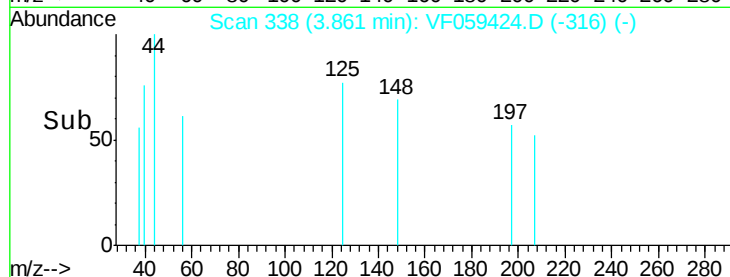
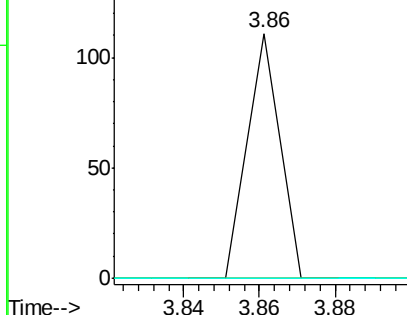
#31
Cyclohexane
Concen: 23.596 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.02 min
Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Instrument :
MSVOA_F
ClientSampleId :
GF-G-4

Tot Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.8#
84 0.0 75.6 113.4#



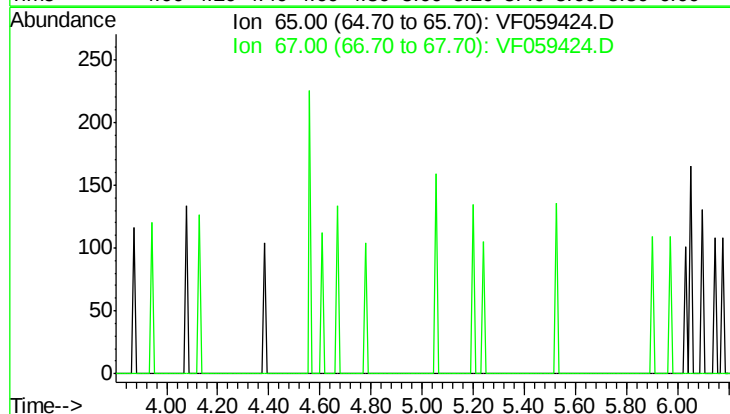
Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

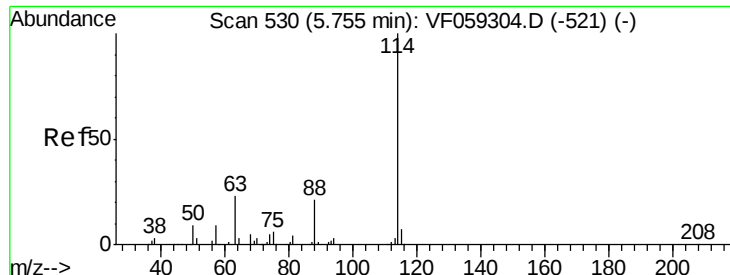


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.01 min

Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Tgt Ion: 65
Sig Exp Ratio
65 100
67 48.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

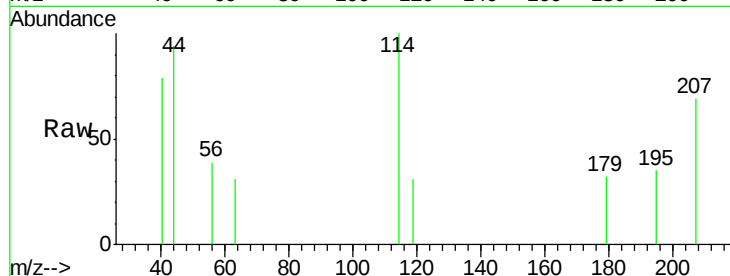
Tot Ion:114 Resp: 906

Ion Ratio Lower Upper

114 100

63 30.9 0.0 45.8

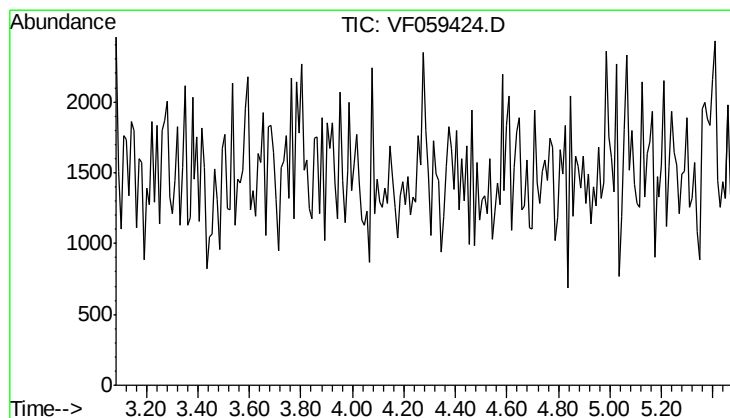
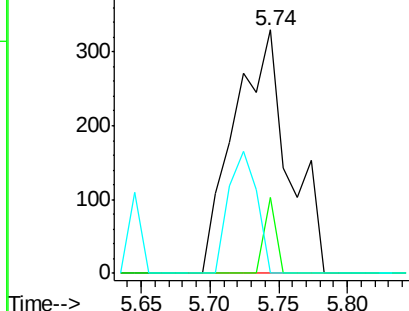
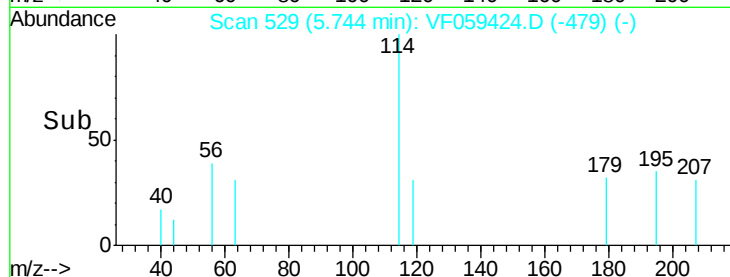
88 0.0 0.0 41.2



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: 0.000 ug/l

Expected RT: 4.28 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

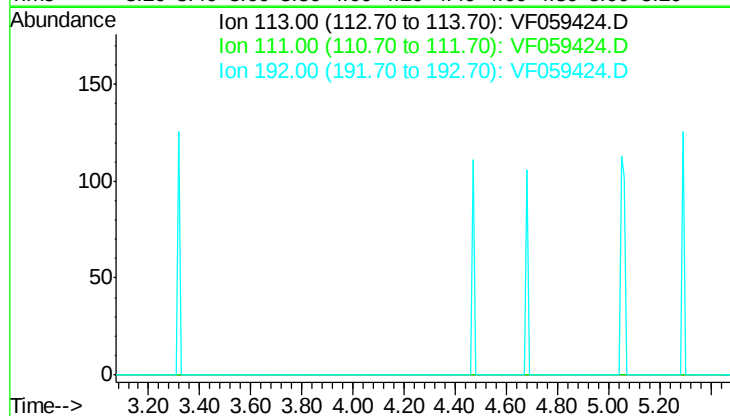
Tgt Ion: 113

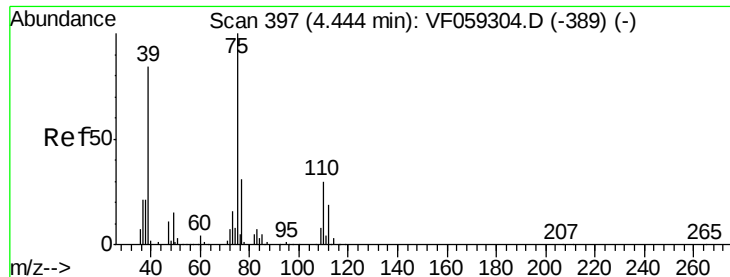
Sig Exp Ratio

113 100

111 102.6

192 16.3





#36

1,1-Dichloropropene

Concen: 8.213 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.02 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

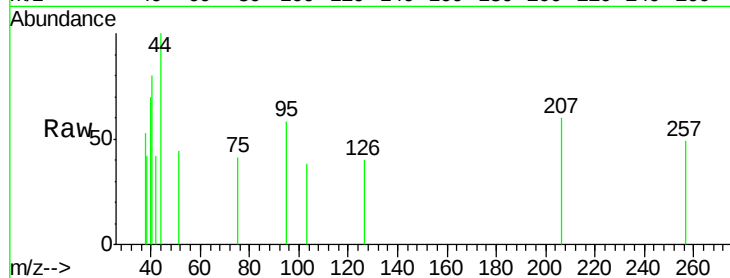
Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

110 0.0 14.8 44.4#

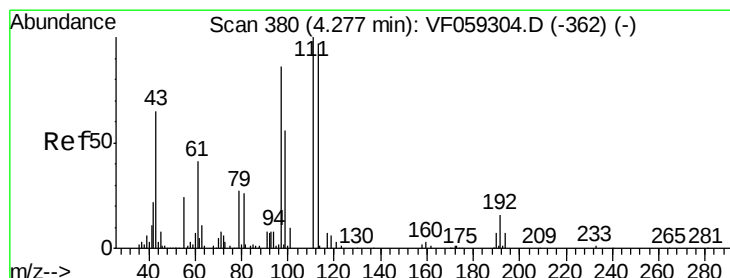
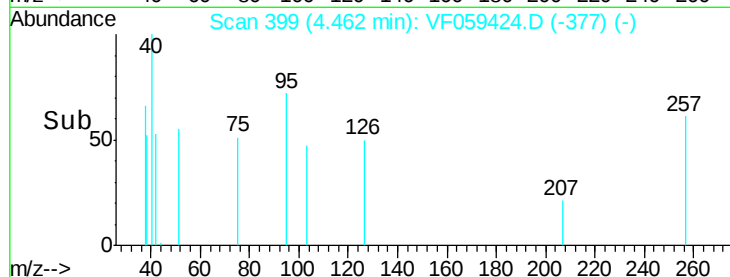
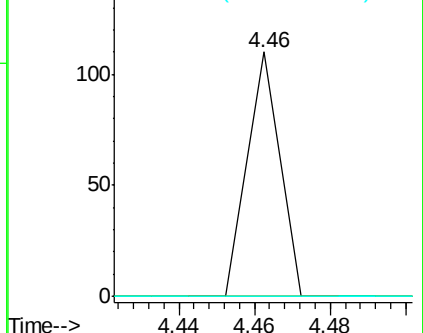
77 0.0 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 26.563 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

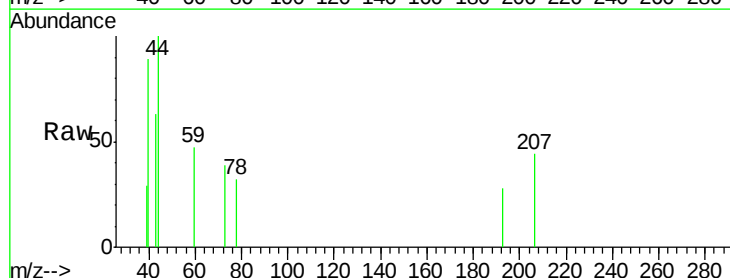
Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

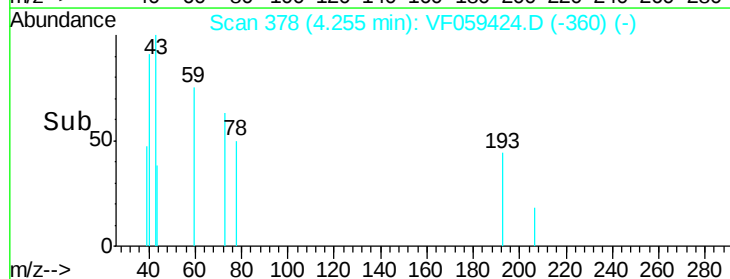
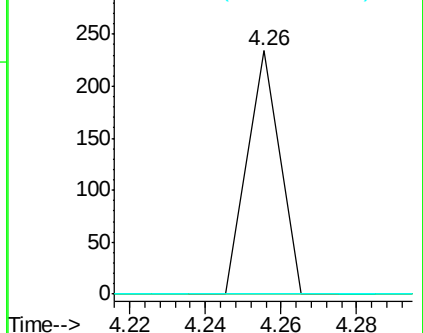
70 0.0 6.2 9.4#

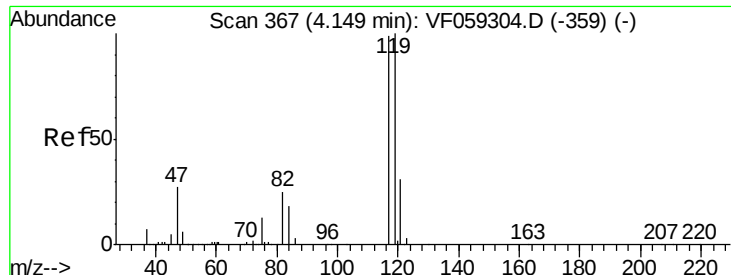


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

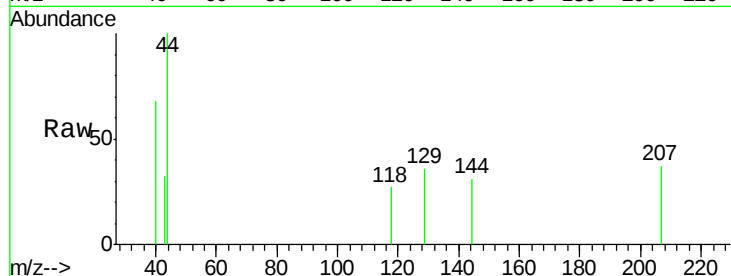
Tot Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

119 0.0 81.0 121.4#

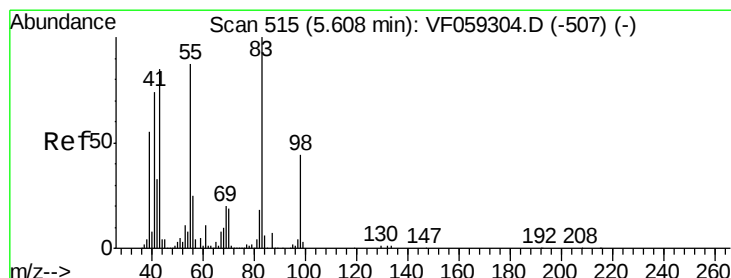
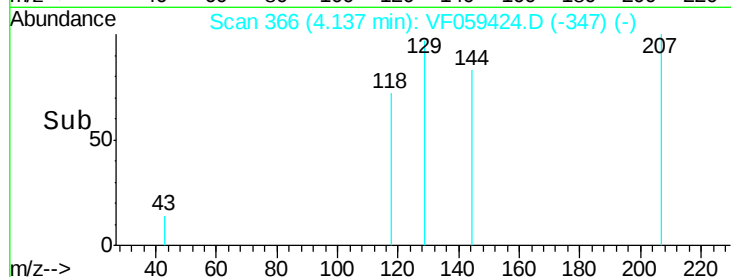
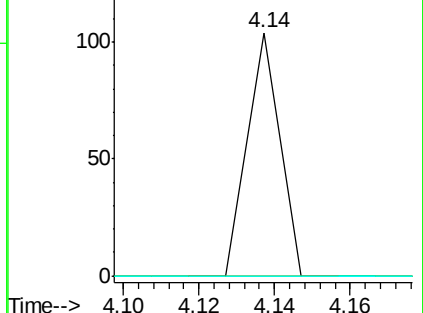
121 0.0 24.7 37.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 10.123 ug/l

RT: 5.44 min Scan# 498

Delta R.T. -0.17 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

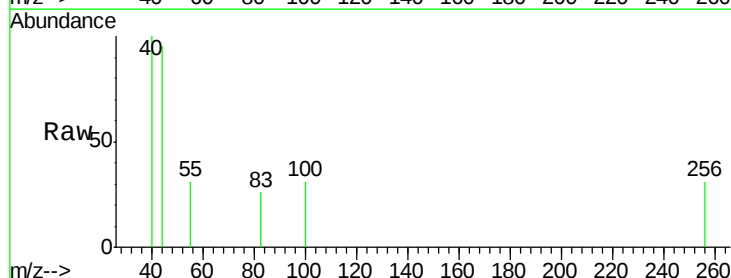
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

55 117.5 69.2 103.8#

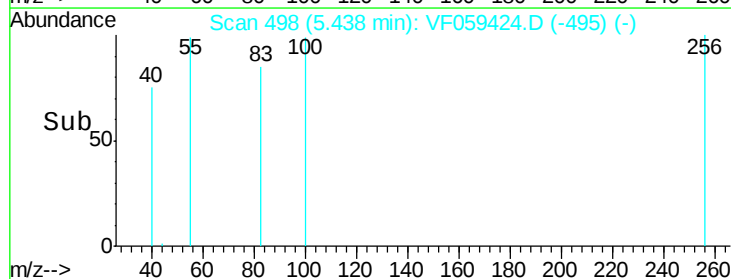
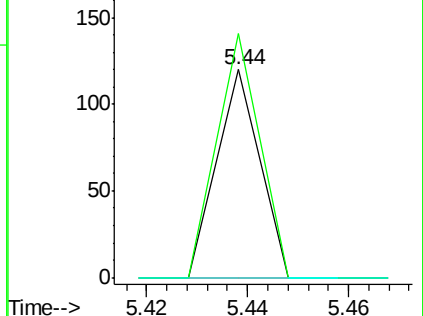
98 0.0 35.0 52.6#

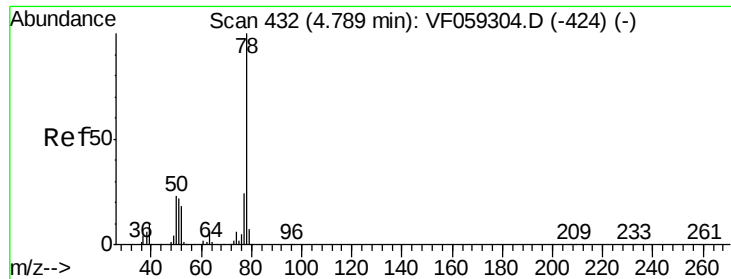


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 7.636 ug/l

RT: 4.71 min Scan# 424

Delta R.T. -0.08 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

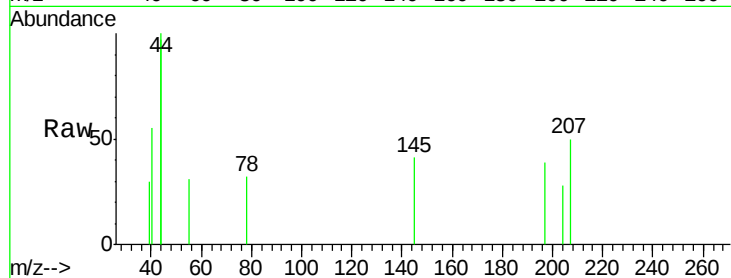
GF-G-4

Tot Ion: 78 Resp: 134

Ion Ratio Lower Upper

78 100

77 0.0 19.6 29.4#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.71

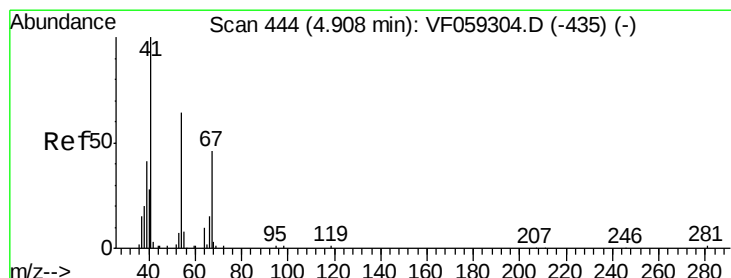
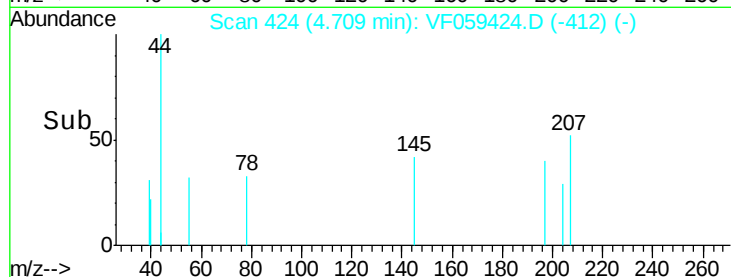
100

50

0

4.66 4.68 4.70 4.72 4.74

Time-->



#41

Methacrylonitrile

Concen: 61.486 ug/l

RT: 4.87 min Scan# 440

Delta R.T. -0.04 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Tgt Ion: 41 Resp: 166

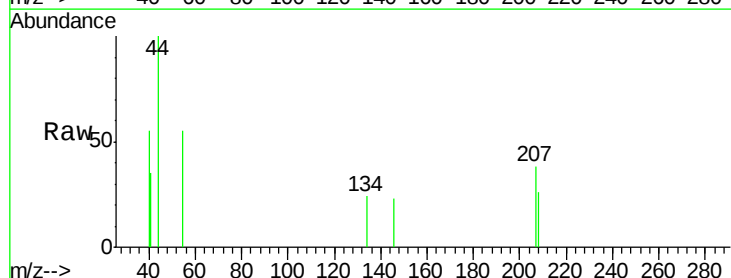
Ion Ratio Lower Upper

41 100

39 0.0 50.0 75.0#

67 0.0 37.0 55.6#

52 0.0 37.1 55.7#



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

300

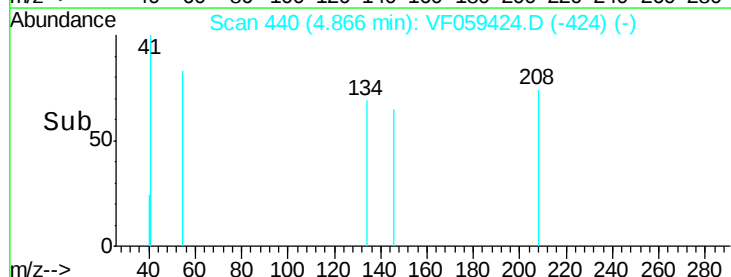
200

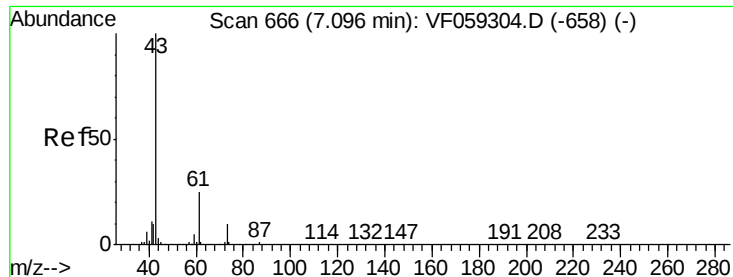
100

0

4.84 4.86 4.88 4.90

Time-->



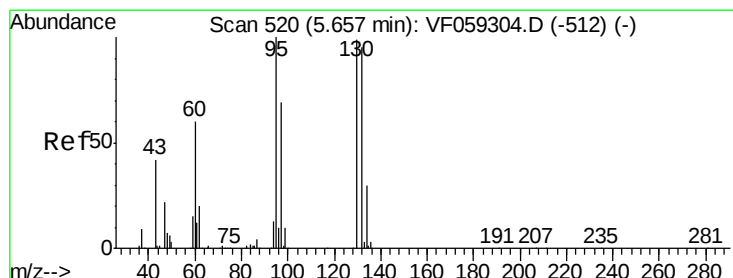
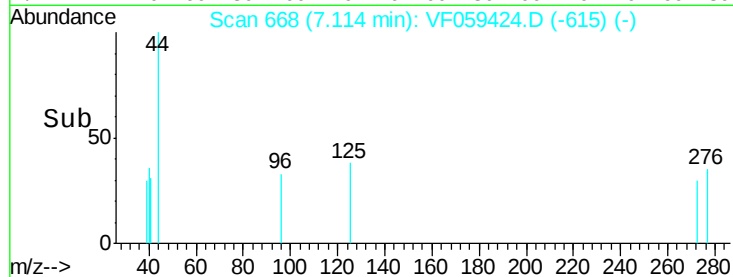
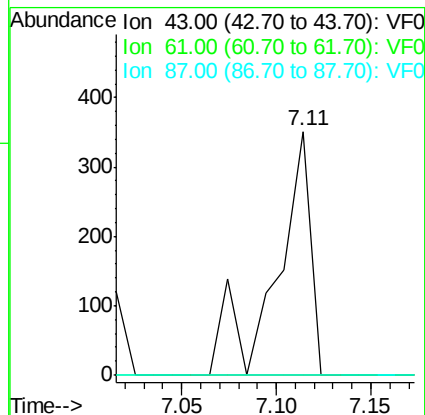
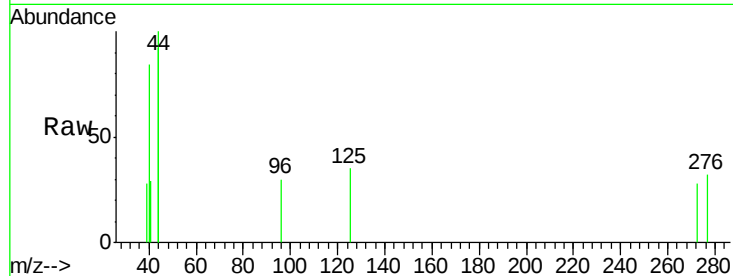


#43

Isopropyl Acetate
 Concen: 68.108 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VF059424.D
 Acq: 3 Jul 2018 20:47

Instrument :
 MSVOA_F
 ClientSampled :
 GF-G-4

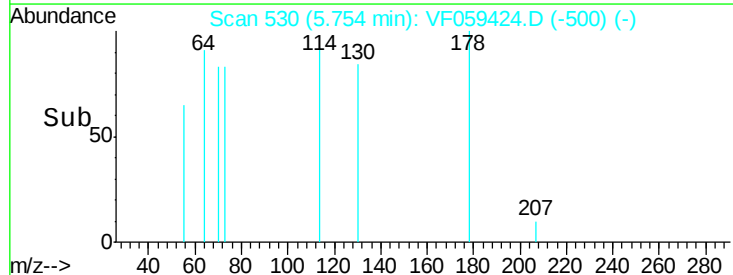
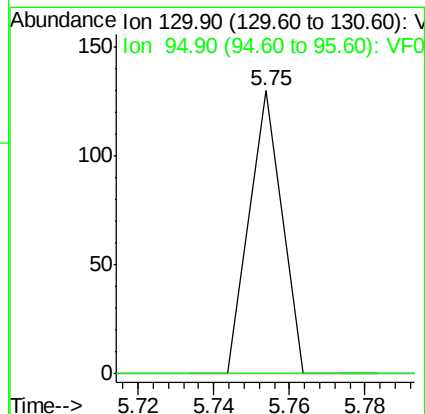
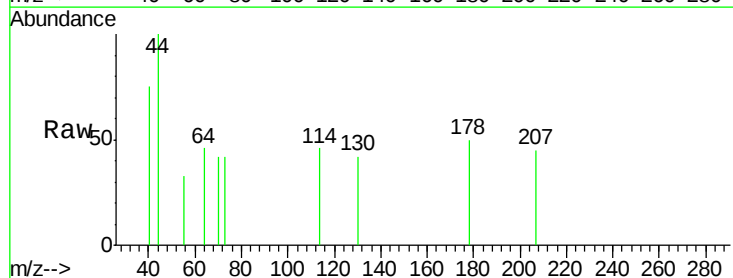
Tot Ion	43	Resp	449
Ion Ratio	100		
Lower	19.7		
Upper	29.5#		
61	0.0		
87	0.0		
	0.5		
	0.7#		

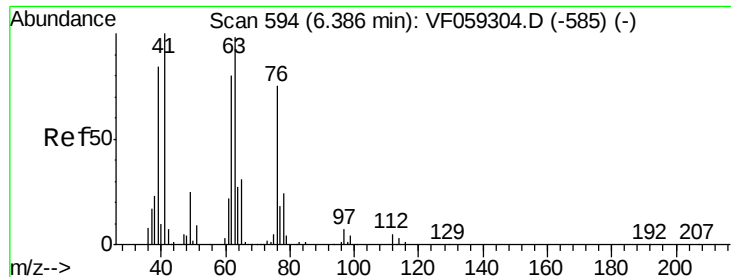


#44

Trichloroethene
 Concen: 12.791 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.10 min
 Lab File: VF059424.D
 Acq: 3 Jul 2018 20:47

Tgt Ion	130	Resp	77
Ion Ratio	100		
Lower	0.0		
Upper	202.4		
95	0.0		





#45

1,2-Dichloropropane

Concen: 13.363 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.03 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

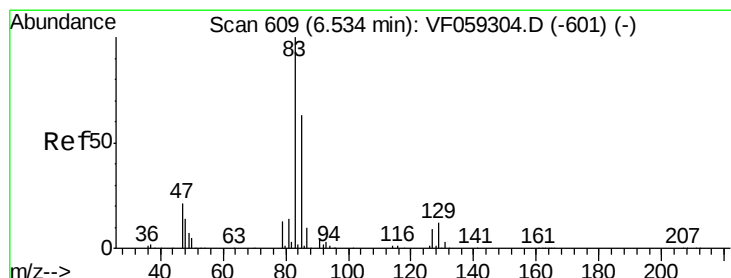
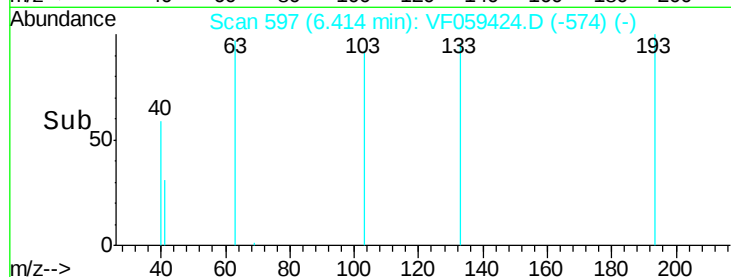
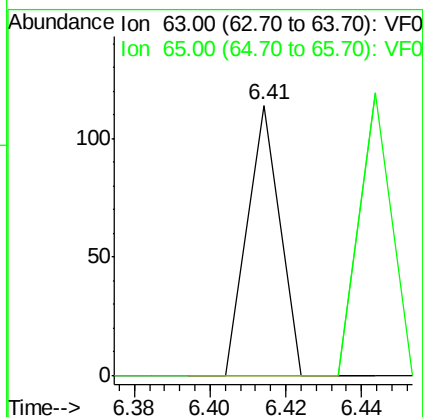
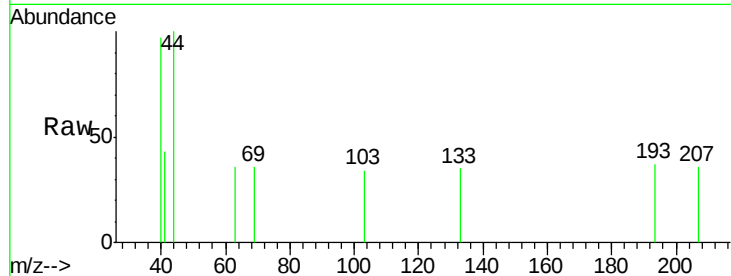
GF-G-4

Tot Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

65 0.0 25.3 37.9#



#47

Bromodichloromethane

Concen: 6.360 ug/l

RT: 6.62 min Scan# 618

Delta R.T. 0.09 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

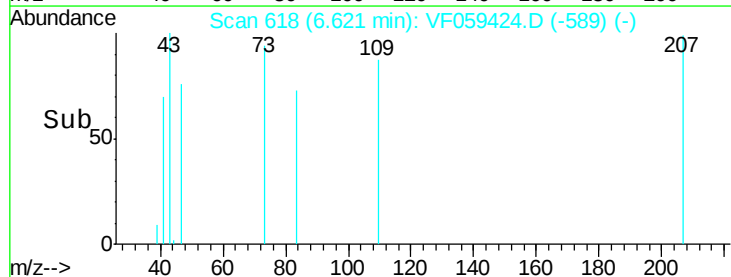
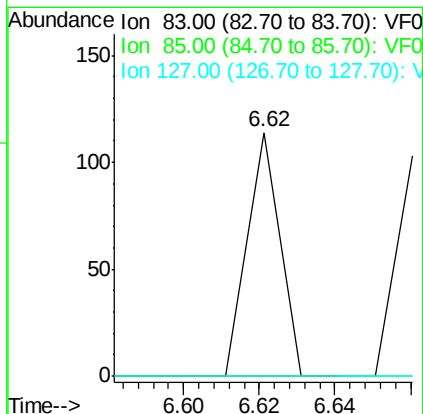
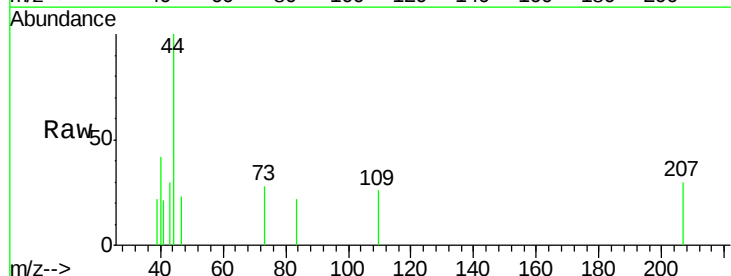
Tgt Ion: 83 Resp: 67

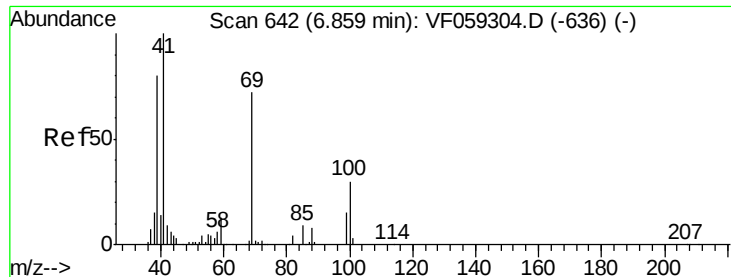
Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

127 0.0 7.0 10.4#





#48

Methyl methacrylate

Concen: 17.427 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

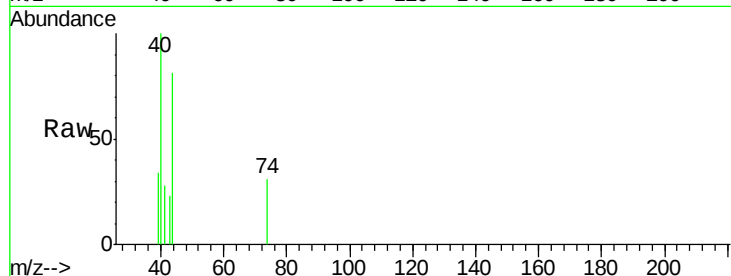
Tot Ion: 41 Resp: 77

Ion Ratio Lower Upper

41 100

69 0.0 57.3 85.9#

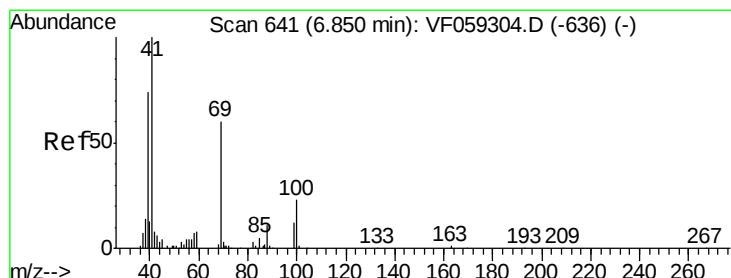
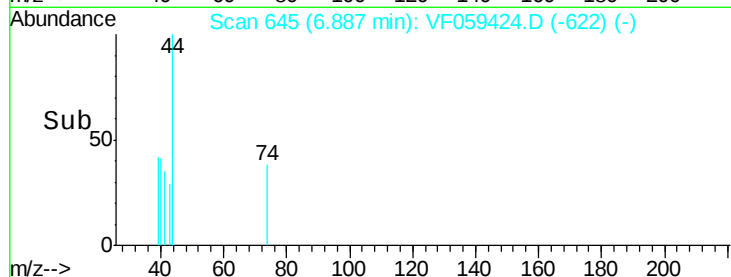
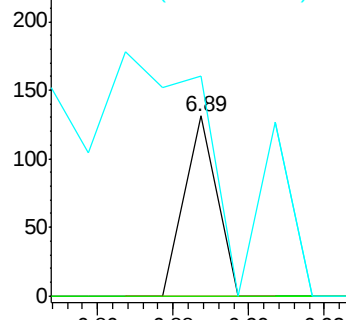
39 122.1 64.4 96.6#



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: 3455.489 ug/l

RT: 7.03 min Scan# 659

Delta R.T. 0.18 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

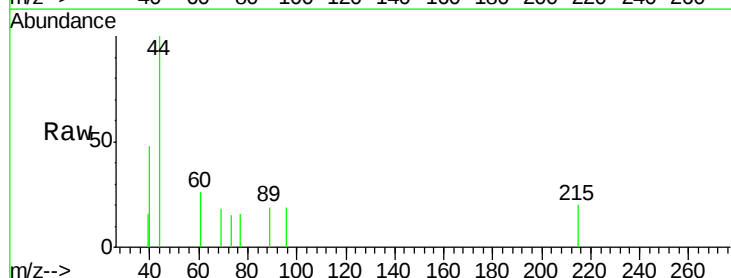
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

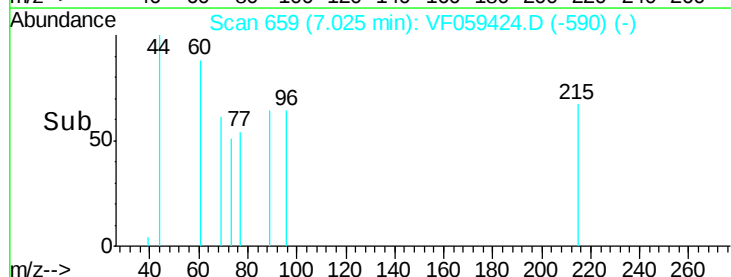
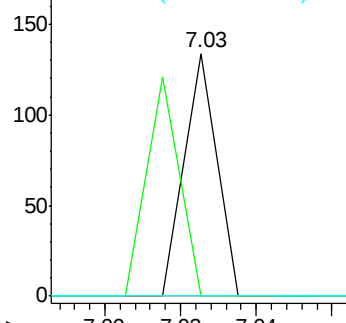
58 0.0 46.6 69.8#

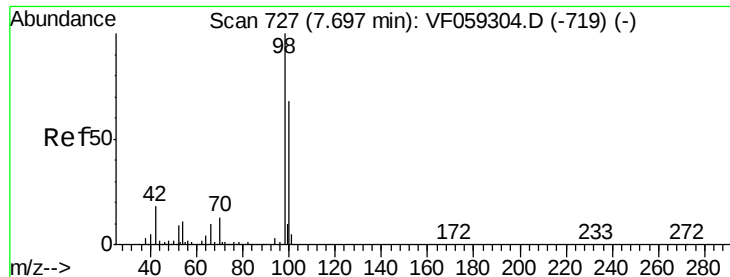


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 36.058 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

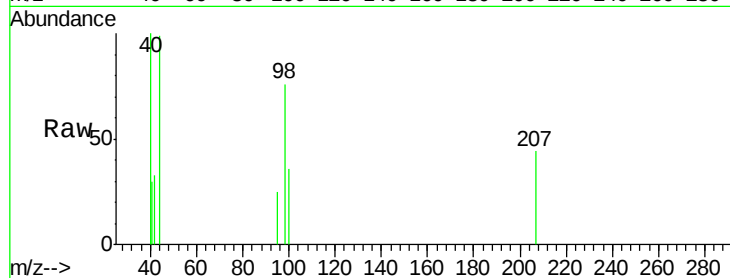
GF-G-4

Tot Ion: 98 Resp: 591

Ion Ratio Lower Upper

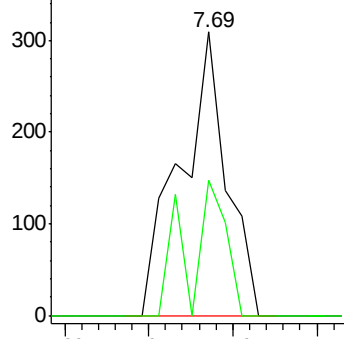
98 100

100 47.6 54.6 82.0#

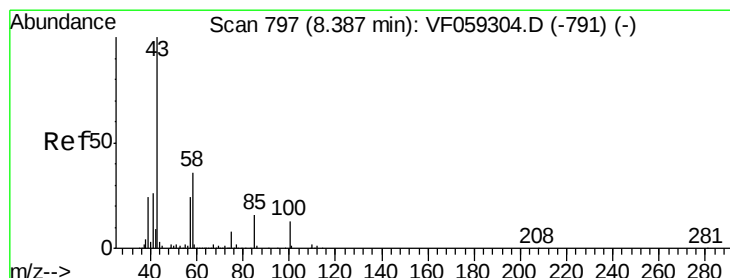
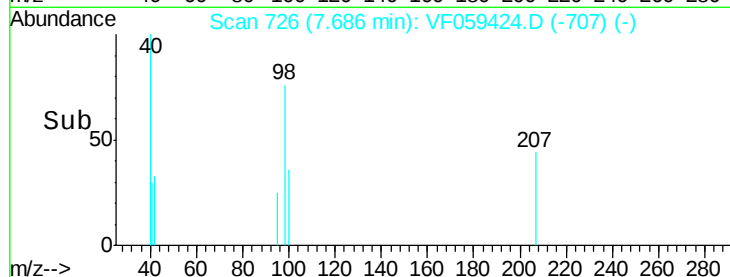


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time--> 7.60 7.65 7.70 7.75



#51

4-Methyl-2-Pentanone

Concen: 39.721 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059424.D

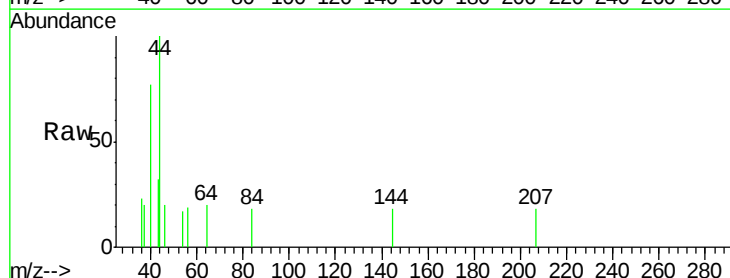
Acq: 3 Jul 2018 20:47

Tgt Ion: 43 Resp: 194

Ion Ratio Lower Upper

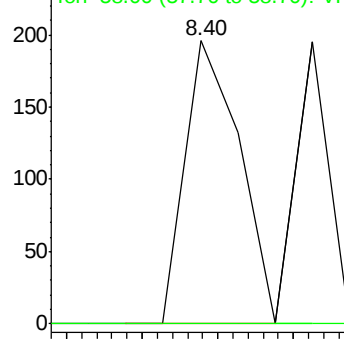
43 100

58 0.0 28.4 42.6#

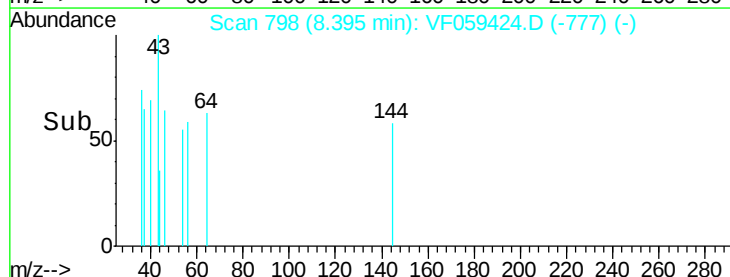


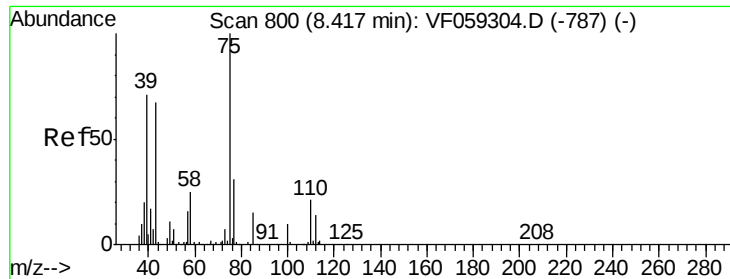
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.36 8.38 8.40 8.42





#53

t-1,3-Dichloropropene

Concen: 16.039 ug/l

RT: 8.26 min Scan# 784

Delta R.T. -0.16 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

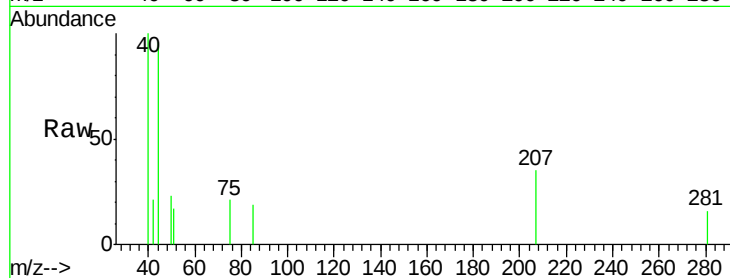
GF-G-4

Tot Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.26

150

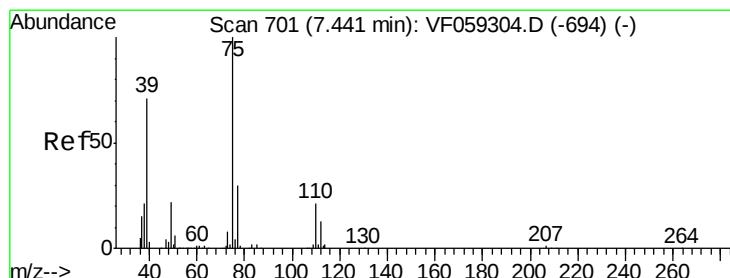
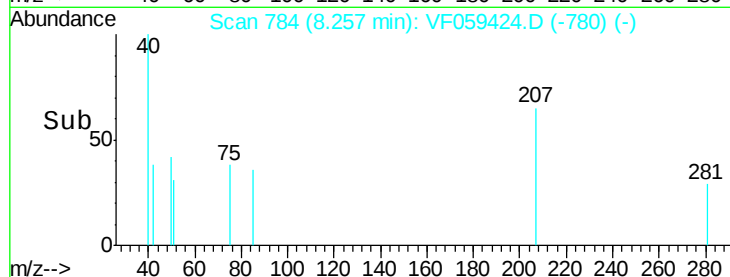
100

50

0

8.25 8.30

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.424 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.03 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

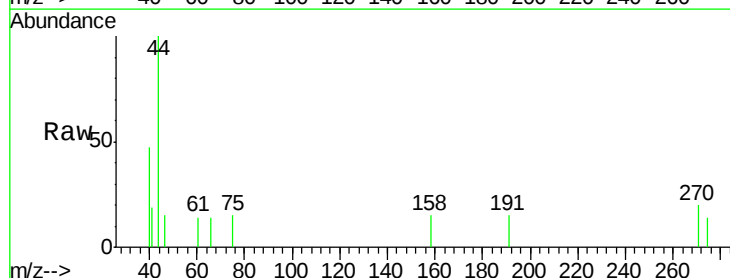
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#

39 0.0 57.2 85.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250

200

150

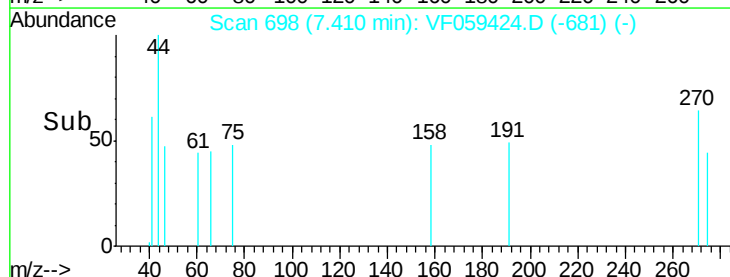
100

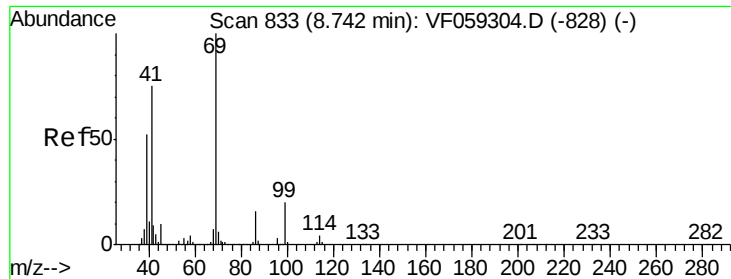
50

0

7.38 7.40 7.42 7.44

Time-->





#56

Ethyl methacrylate

Concen: 10.925 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.03 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

GF-G-4

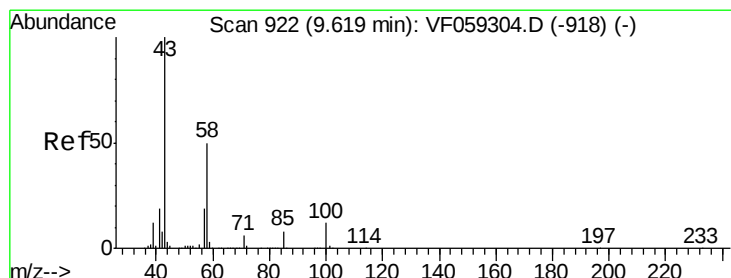
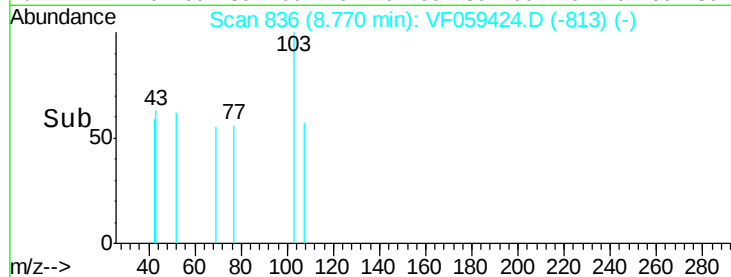
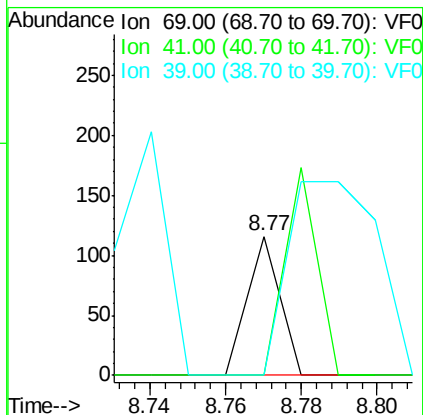
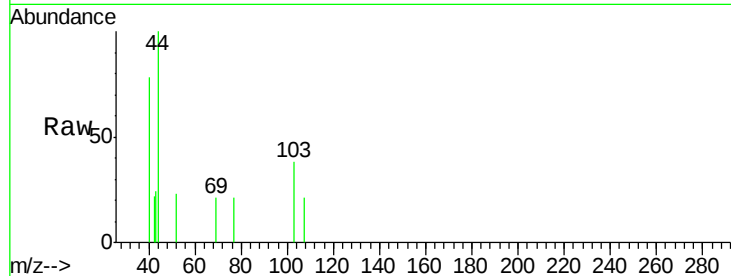
Tot Ion: 69 Resp: 69

Ion Ratio Lower Upper

69 100

41 0.0 60.3 90.5#

39 0.0 42.2 63.4#



#59

2-Hexanone

Concen: 7.891 ug/l

RT: 9.58 min Scan# 918

Delta R.T. -0.04 min

Lab File: VF059424.D

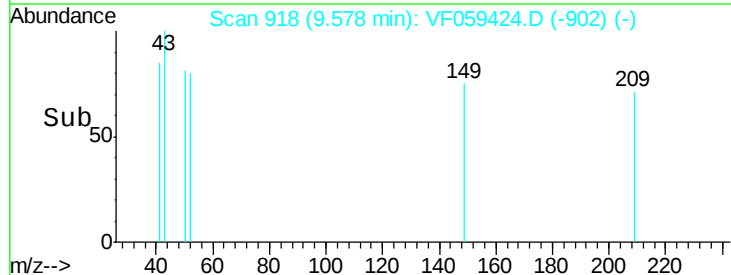
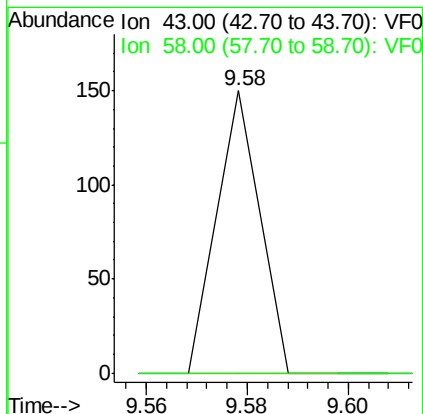
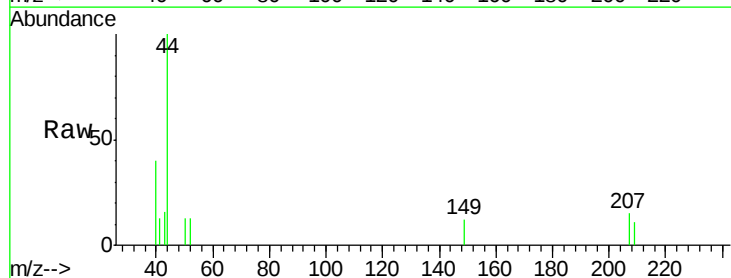
Acq: 3 Jul 2018 20:47

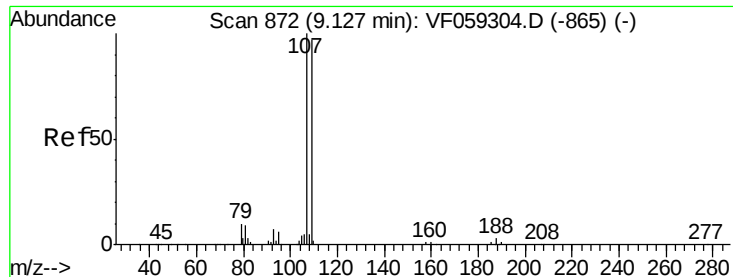
Tgt Ion: 43 Resp: 89

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.9#





#61

1,2-Dibromoethane

Concen: 9.704 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

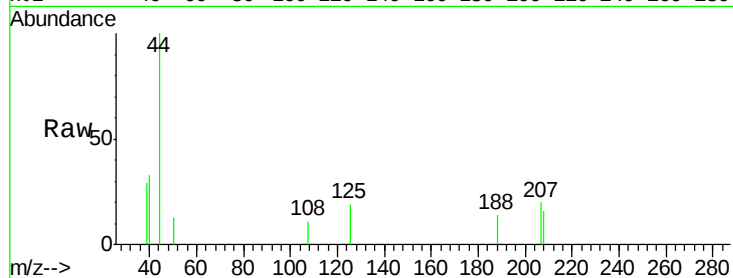
GF-G-4

Tot Ion:107 Resp: 60

Ion Ratio Lower Upper

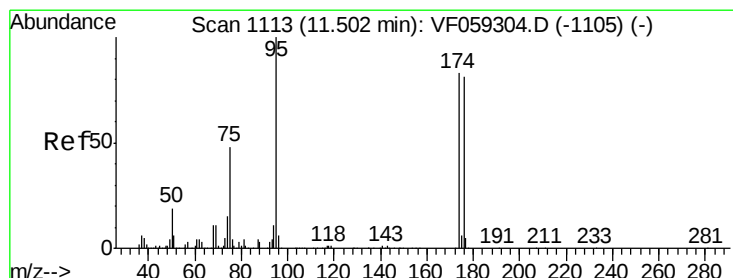
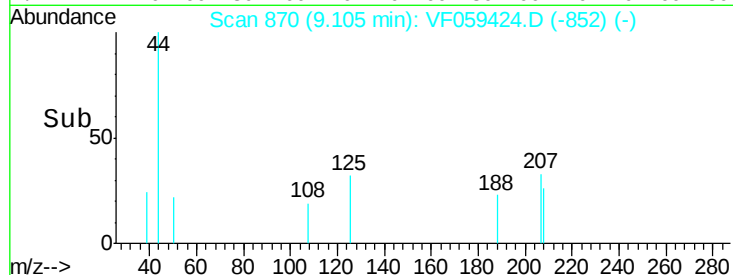
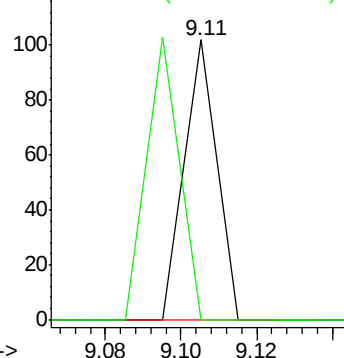
107 100

109 0.0 77.3 115.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 12.763 ug/l

RT: 11.55 min Scan# 1118

Delta R.T. 0.05 min

Lab File: VF059424.D

Acq: 3 Jul 2018 20:47

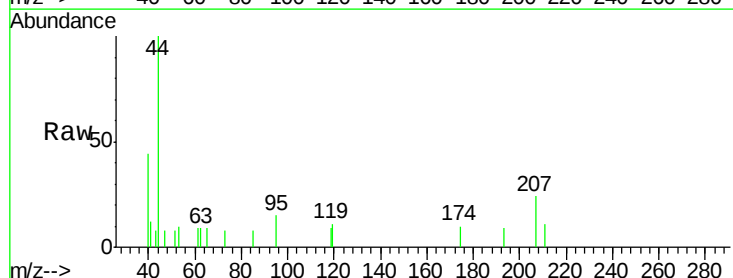
Tgt Ion: 95 Resp: 118

Ion Ratio Lower Upper

95 100

174 63.5 0.0 165.2

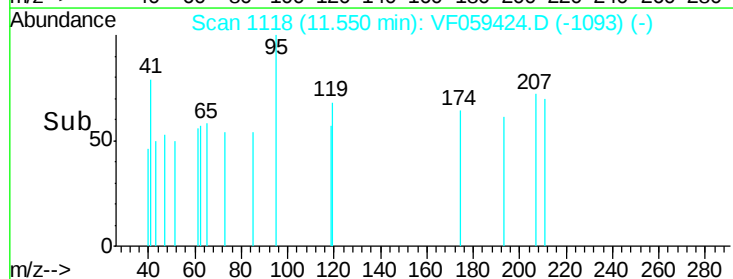
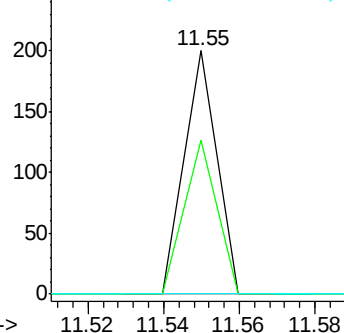
176 0.0 0.0 161.0

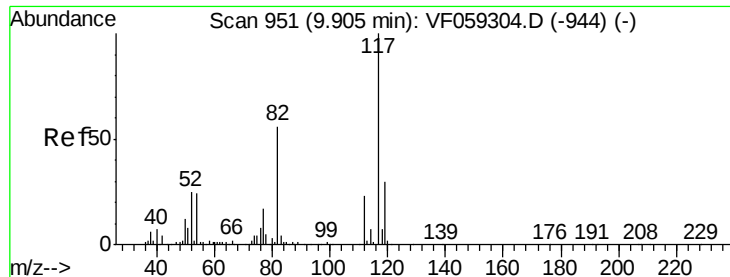


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

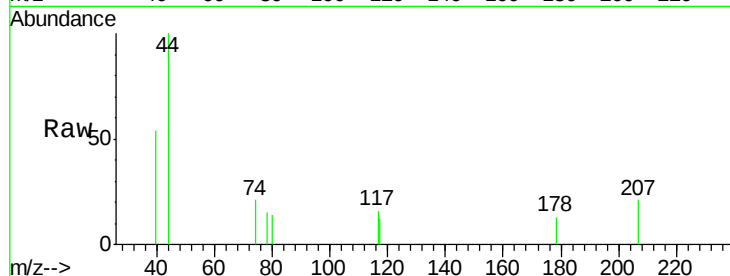




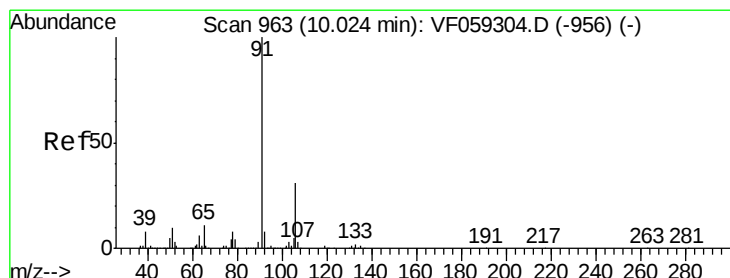
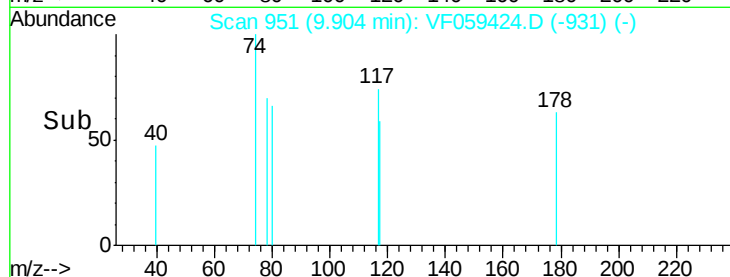
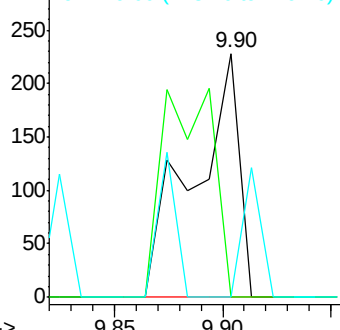
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Instrument :
MSVOA_F
ClientSampled :
GF-G-4

Tot Ion:117 Resp: 335
Ion Ratio Lower Upper
117 100
82 0.0 44.6 66.8#
119 0.0 24.1 36.1#

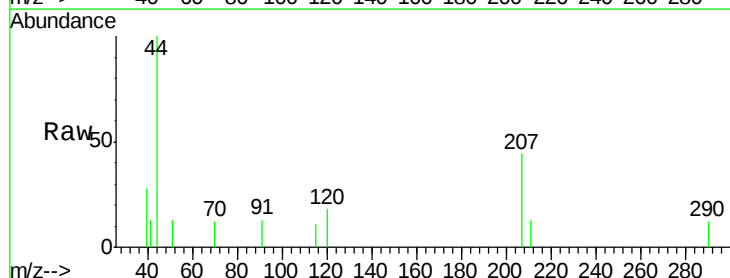


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

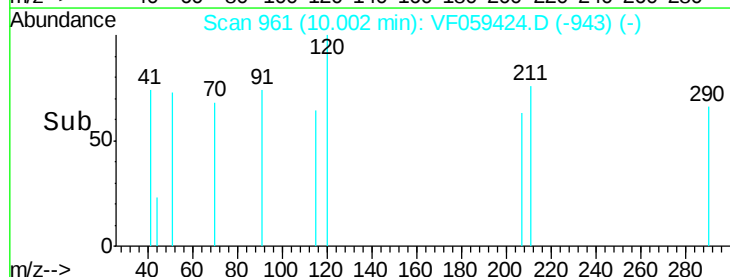
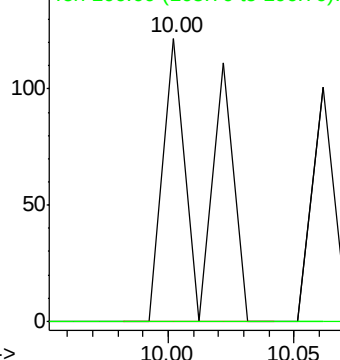


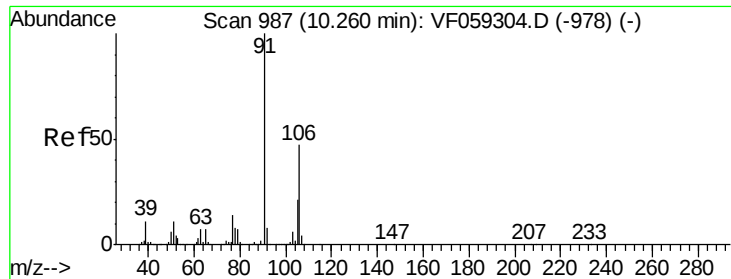
#67
Ethyl Benzene
Concen: 13.104 ug/l
RT: 10.00 min Scan# 961
Delta R.T. -0.02 min
Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Tgt Ion: 91 Resp: 138
Ion Ratio Lower Upper
91 100
106 0.0 24.8 37.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

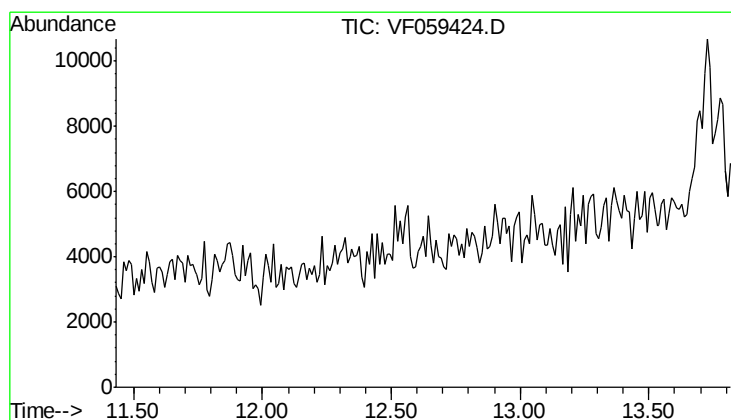
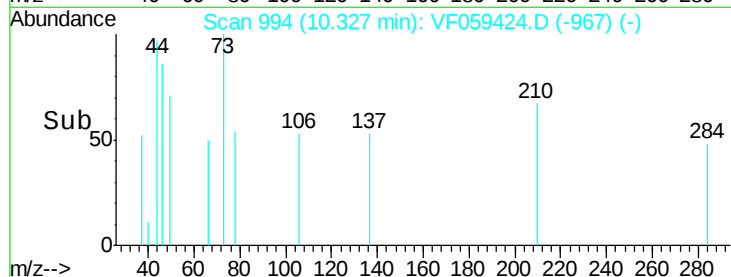
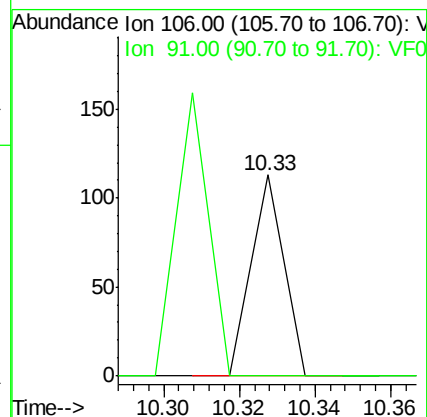
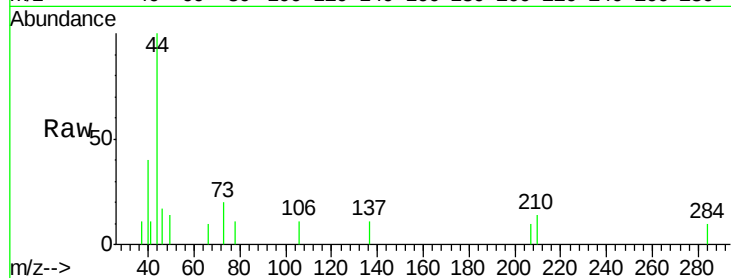




#68
m/p-Xvlenes
Concen: 17.875 ug/l
RT: 10.33 min Scan# 994
Delta R.T. 0.07 min
Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Instrument :
MSVOA_F
ClientSampled :
GF-G-4

Tot Ion:106 Resp: 67
Ion Ratio Lower Upper
106 100
91 0.0 170.8 256.2#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.63 min

Lab File: VF059424.D
Acq: 3 Jul 2018 20:47

Tgt Ion: 152
Sig Exp Ratio
152 100
115 54.2
150 152.6

