

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021819\
 Data File : VF061677.D
 Acq On : 18 Feb 2019 14:34
 Operator : VA/AP
 Sample : K1518-07
 Misc : 6.71g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

Quant Time: Feb 19 01:57:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	3799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	5083	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	3102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	981	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	496	17.80	ug/l	0.00
Spiked Amount			Recovery	=	35.60%	
35) Dibromofluoromethane	4.14	113	702	18.60	ug/l	0.02
Spiked Amount			Recovery	=	37.20%	
50) Toluene-d8	7.57	98	3710	34.19	ug/l	0.00
Spiked Amount			Recovery	=	68.38%	
62) 4-Bromofluorobenzene	11.41	95	803	18.29	ug/l	0.00
Spiked Amount			Recovery	=	36.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	63	1.376	ug/l #	42
4) Vinyl Chloride	1.28	62	62	1.457	ug/l #	40
5) Bromomethane	1.31	94	128	4.371	ug/l #	3
6) Chloroethane	1.37	64	73	3.481	ug/l #	40
7) Trichlorofluoromethane	1.46	101	63	1.227	ug/l #	20
8) Diethyl Ether	1.62	74	74	5.721	ug/l	79
11) Tert butyl alcohol	2.58	59	135	83.732	ug/l #	63
12) 1,1-Dichloroethene	1.79	96	66	2.027	ug/l #	1
13) Acrolein	2.03	56	360	177.659	ug/l #	1
14) Allyl chloride	2.09	41	988	24.733	ug/l #	76
15) Acrylonitrile	2.95	53	62	10.841	ug/l #	18
16) Acetone	2.23	43	567	94.860	ug/l #	46
18) Methyl Acetate	2.39	43	1306	96.991	ug/l #	85
19) Methyl tert-butyl Ether	2.44	73	149	2.678	ug/l #	1
20) Methylene Chloride	2.20	84	276	6.420	ug/l #	47
21) trans-1,2-Dichloroethene	2.32	96	155	4.380	ug/l #	1
22) Diisopropyl ether	2.82	45	205	2.138	ug/l #	1
23) Vinyl Acetate	3.14	43	251	5.359	ug/l #	74
24) 1,1-Dichloroethane	2.90	63	121	2.085	ug/l #	86
25) 2-Butanone	4.32	43	253	19.378	ug/l #	55
26) 2,2-Dichloropropane	3.62	77	183	7.445	ug/l #	52
27) cis-1,2-Dichloroethene	3.50	96	61	1.313	ug/l	1
29) Tetrahydrofuran	4.10	42	231	38.927	ug/l #	33
31) Cyclohexane	3.69	56	88	1.401	ug/l #	16
36) 1,1-Dichloropropene	4.15	75	67	1.331	ug/l #	37
37) Ethyl Acetate	4.15	43	83	3.549	ug/l #	30
41) Methacrylonitrile	4.77	41	217	18.143	ug/l #	25
43) Isopropyl Acetate	6.97	43	277	10.006	ug/l #	43
46) Dibromomethane	6.06	93	75	3.826	ug/l #	1
48) Methyl methacrylate	6.75	41	143	8.583	ug/l #	17
49) 1,4-Dioxane	6.69	88	66	421.425	ug/l #	20
51) 4-Methyl-2-Pentanone	8.30	43	292	14.762	ug/l #	34
53) t-1,3-Dichloropropene	8.40	75	67	1.875	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.40	63	64	14.196	ug/l #	44

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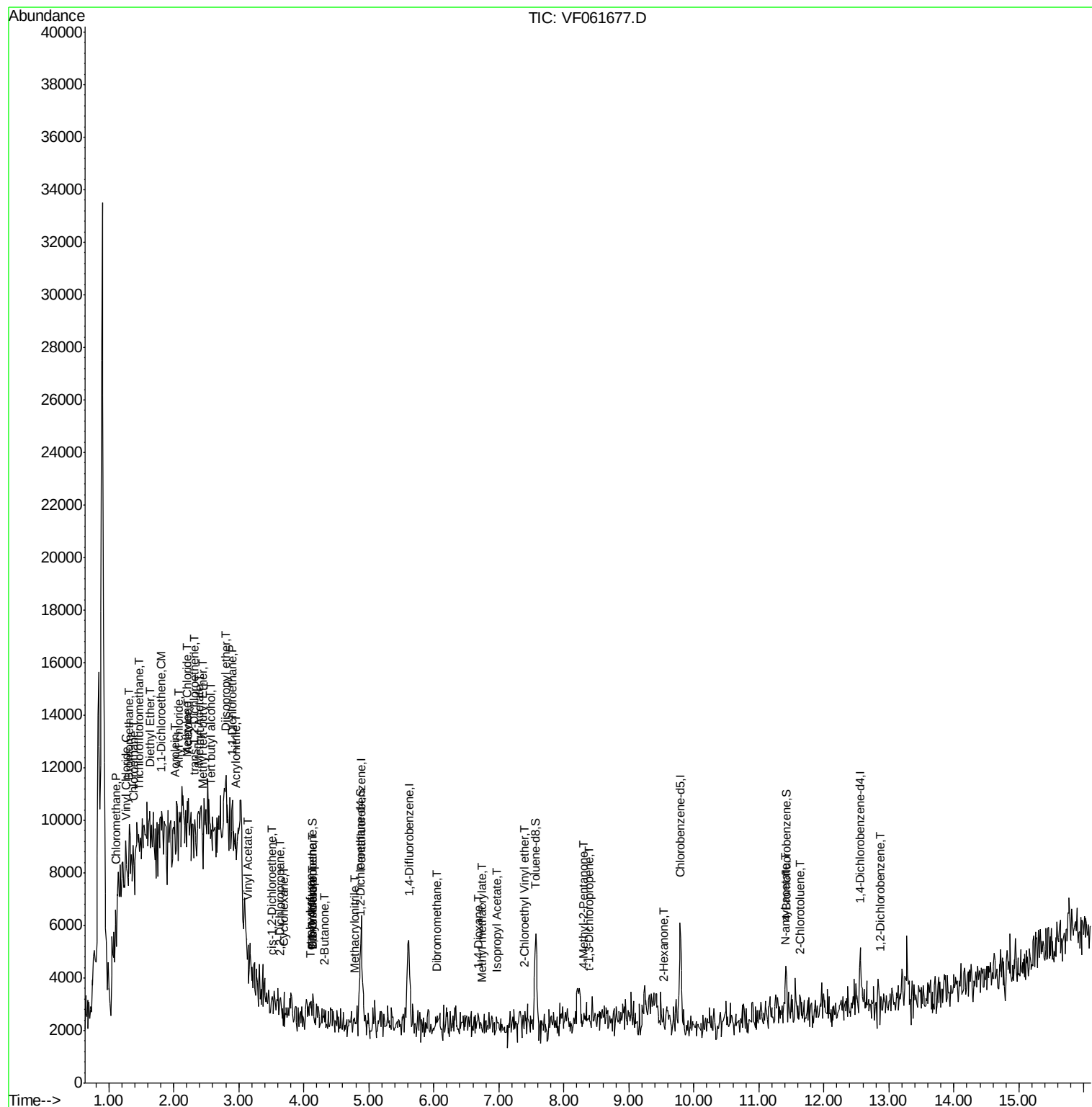
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	9.55	43	228	16.443	ug/l #	23
74) N-amyl acetate	11.40	43	251	14.972	ug/l #	44
79) 2-Chlorotoluene	11.65	91	65	1.448	ug/l #	36
91) 1,2-Dichlorobenzene	12.88	146	62	1.938	ug/l #	24

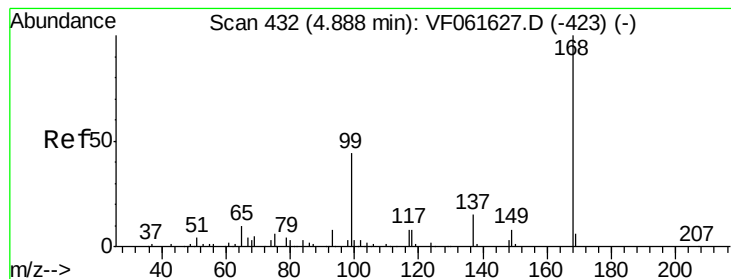
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

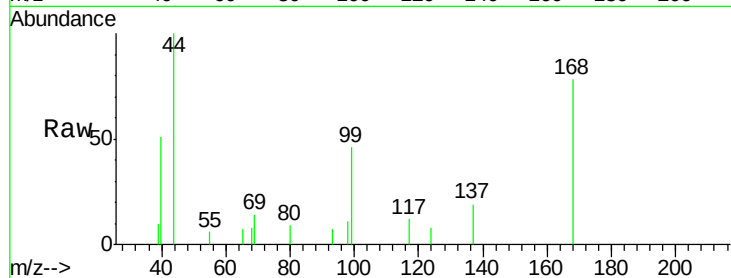
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion:168 Resp: 3799

Ion Ratio Lower Upper

168 100

99 58.9 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

1500

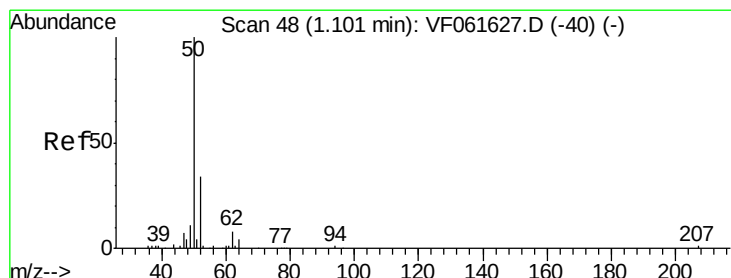
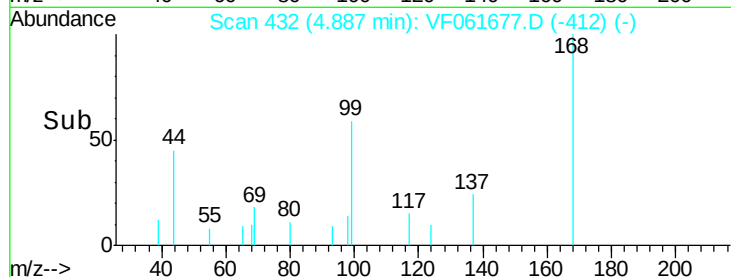
1000

500

0

4.80 4.85 4.90 4.95 5.00

Time-->



#3

Chloromethane

Concen: 1.376 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061677.D

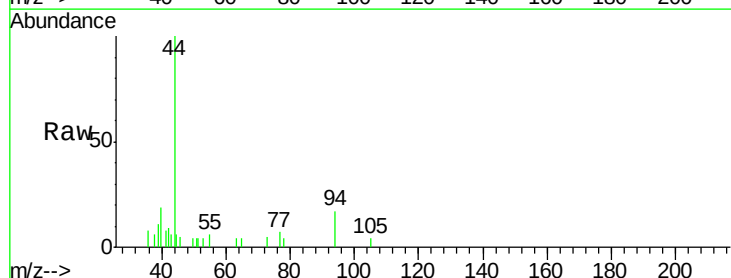
Acq: 18 Feb 2019 14:34

Tgt Ion: 50 Resp: 63

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

120

100

80

60

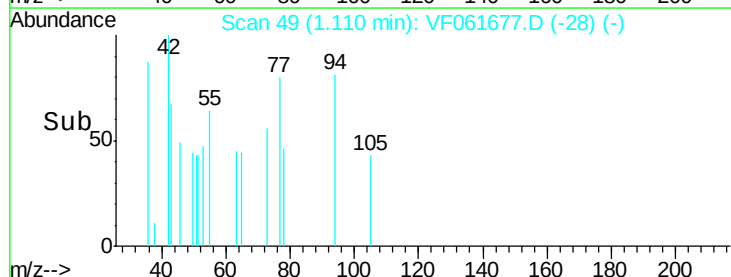
40

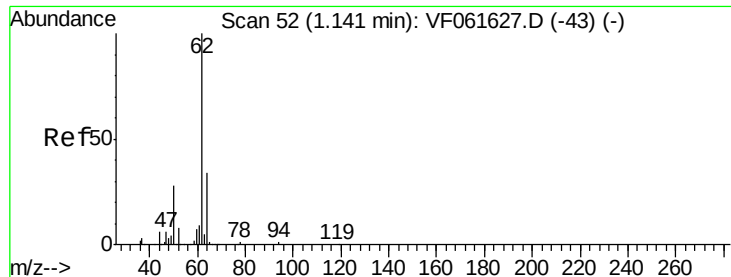
20

0

1.08 1.10 1.12 1.14

Time-->





#4

Vinyl Chloride

Concen: 1.457 ug/l

RT: 1.28 min Scan# 66

Delta R.T. 0.14 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

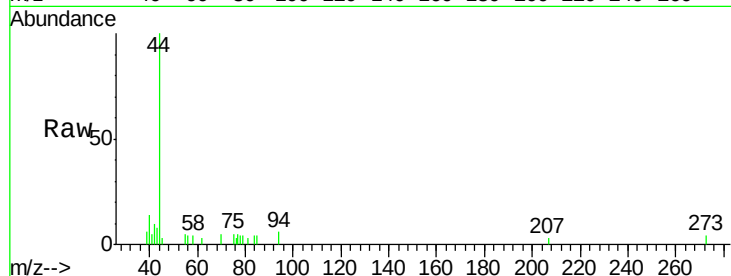
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 62 Resp: 62

Ion Ratio Lower Upper

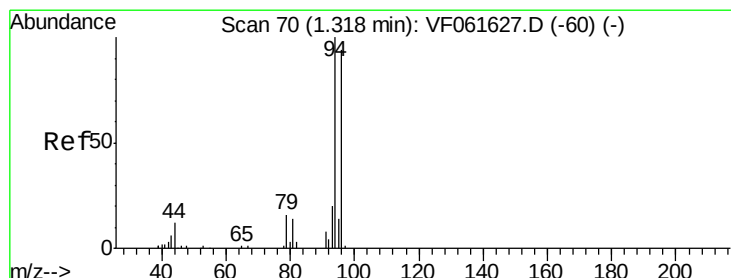
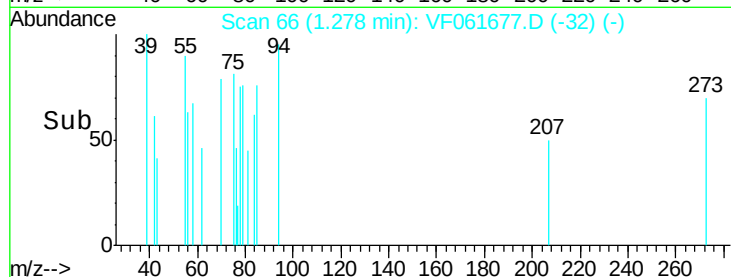
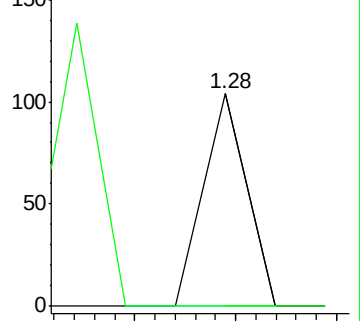
62 100

64 0.0 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 4.371 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061677.D

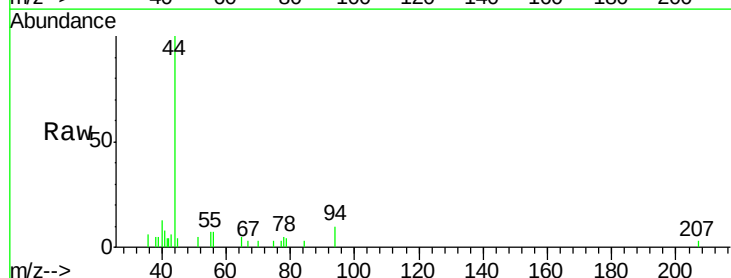
Acq: 18 Feb 2019 14:34

Tgt Ion: 94 Resp: 128

Ion Ratio Lower Upper

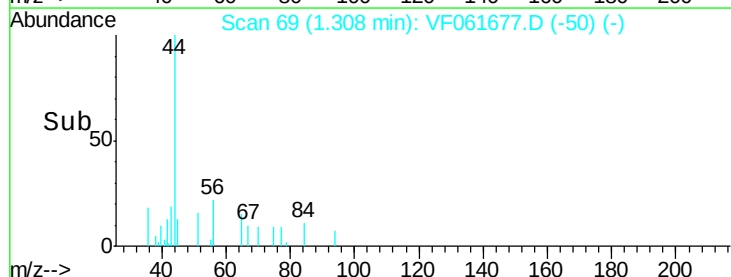
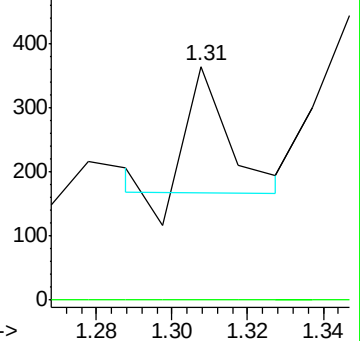
94 100

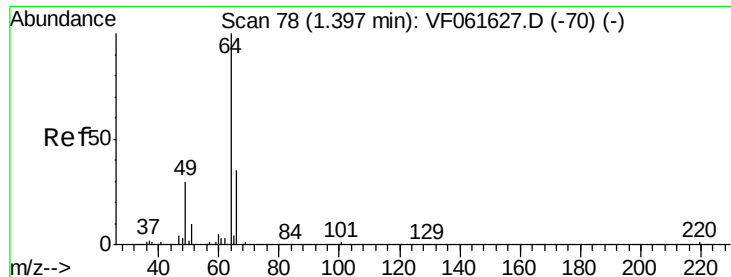
96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 3.481 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.03 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

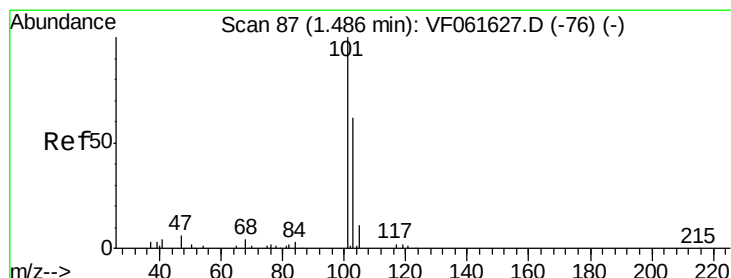
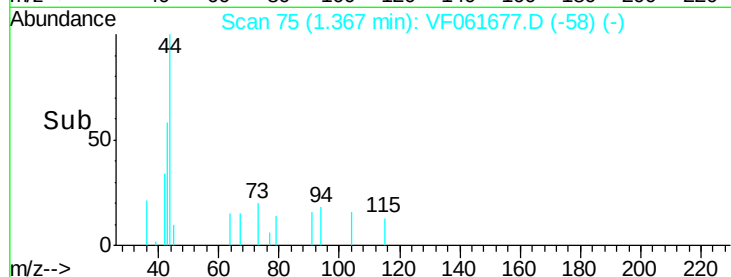
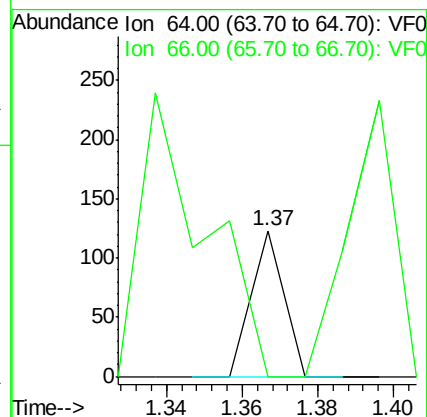
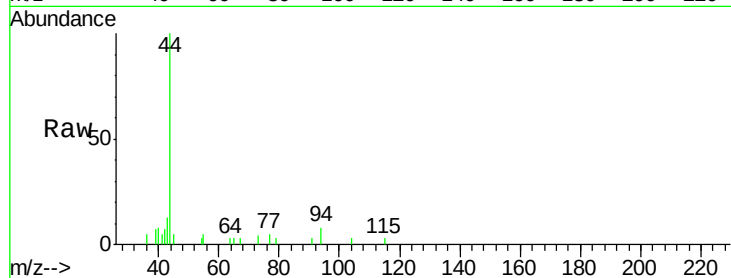
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 64 Resp: 73

Ion Ratio Lower Upper

64 100

66 0.0 27.9 41.9#



#7

Trichlorofluoromethane

Concen: 1.227 ug/l

RT: 1.46 min Scan# 84

Delta R.T. -0.03 min

Lab File: VF061677.D

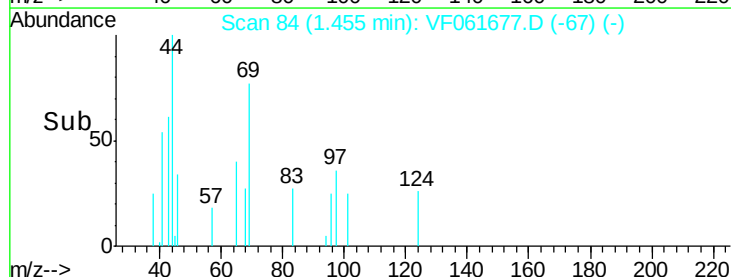
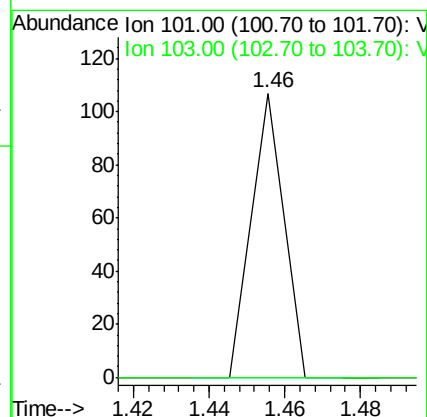
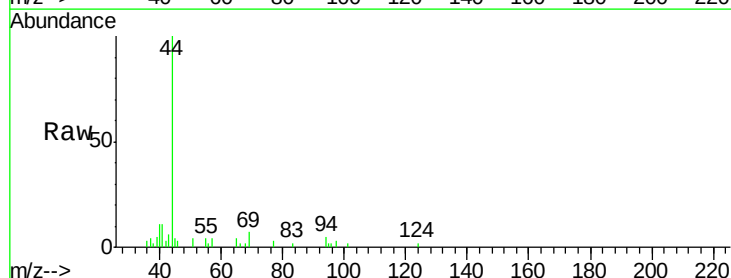
Acq: 18 Feb 2019 14:34

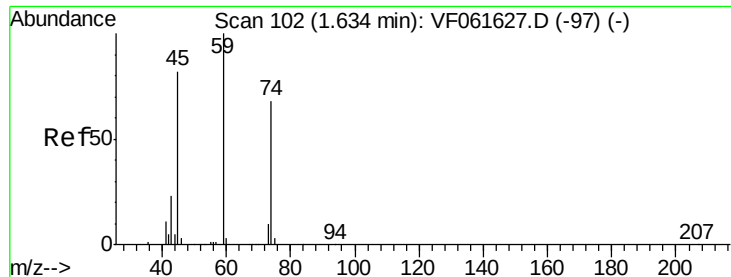
Tgt Ion: 101 Resp: 63

Ion Ratio Lower Upper

101 100

103 0.0 49.3 73.9#





#8

Diethyl Ether

Concen: 5.721 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

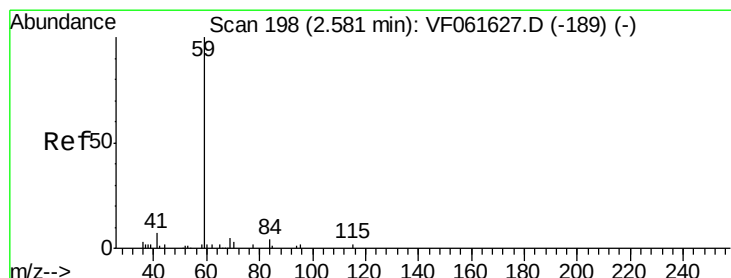
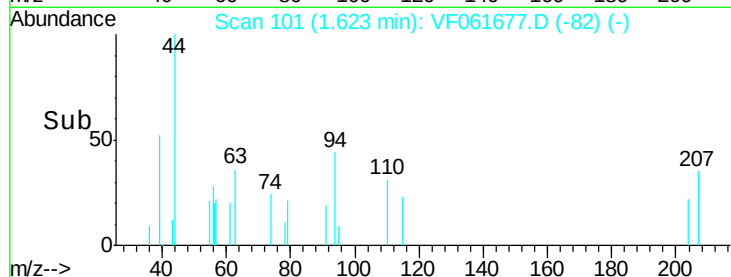
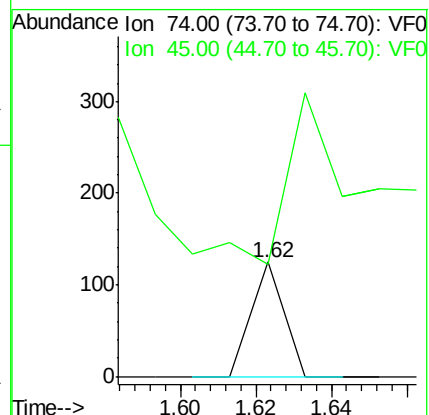
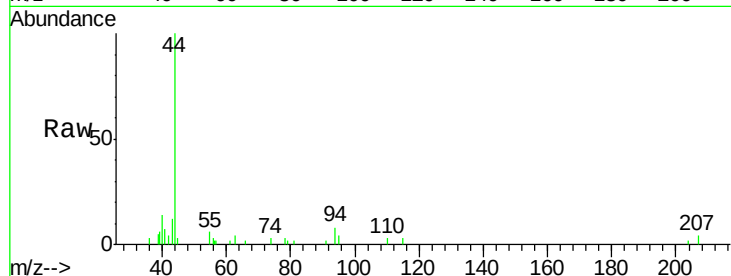
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 74 Resp: 74

Ion Ratio Lower Upper

74 100

45 98.4 60.8 182.3



#11

Tert butyl alcohol

Concen: 83.732 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF061677.D

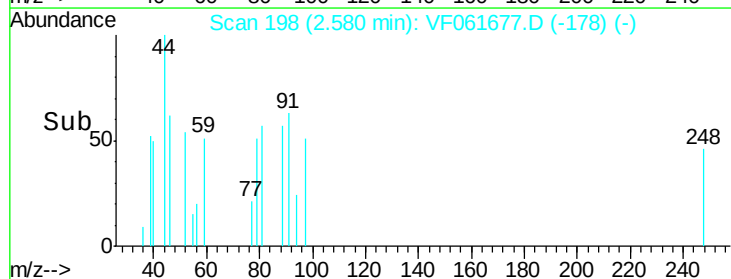
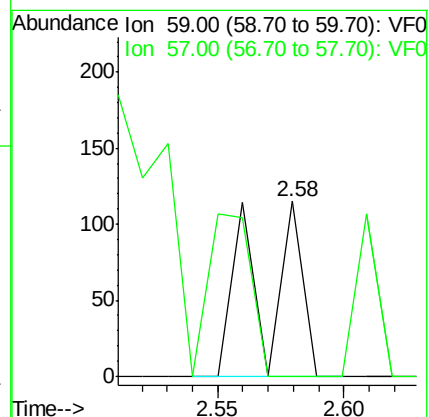
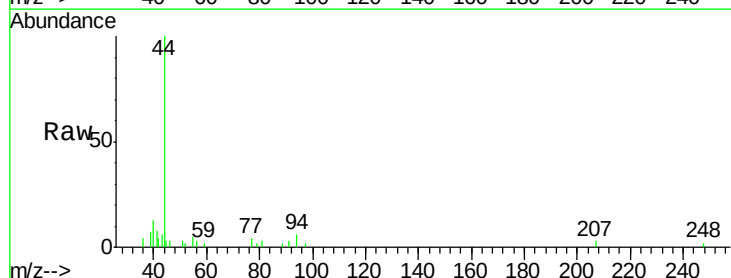
Acq: 18 Feb 2019 14:34

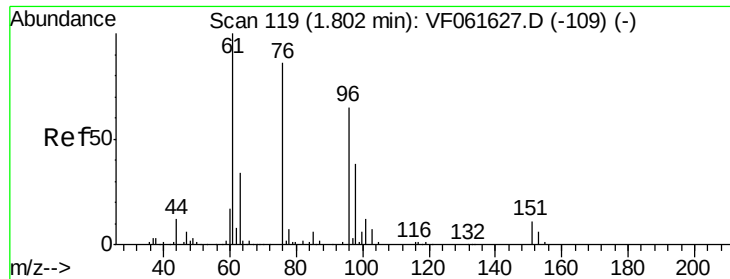
Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 0.0 12.5 18.7#





#12

1,1-Dichloroethene

Concen: 2.027 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

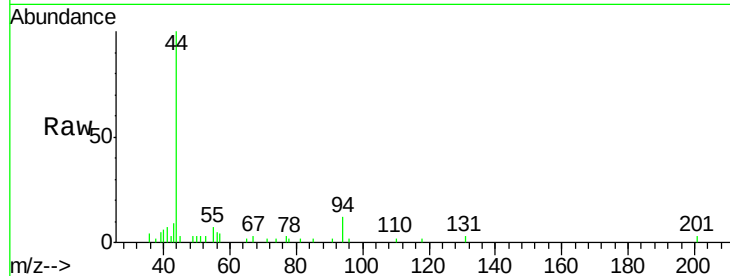
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

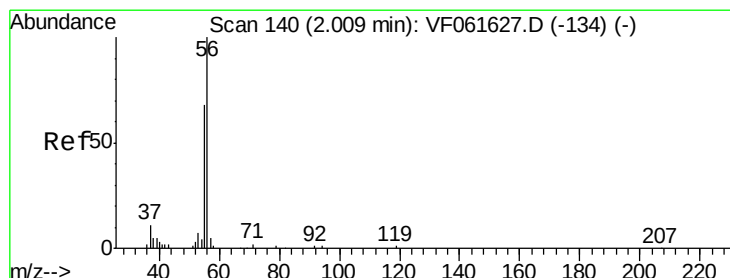
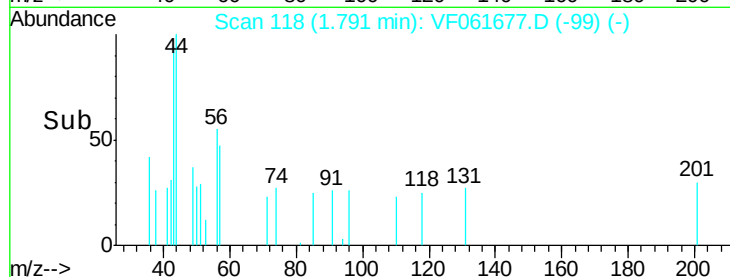
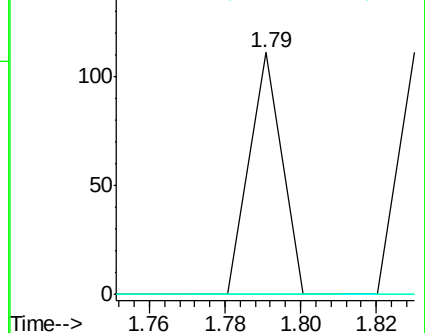
98 0.0 47.2 70.8#



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



#13

Acrolein

Concen: 177.659 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF061677.D

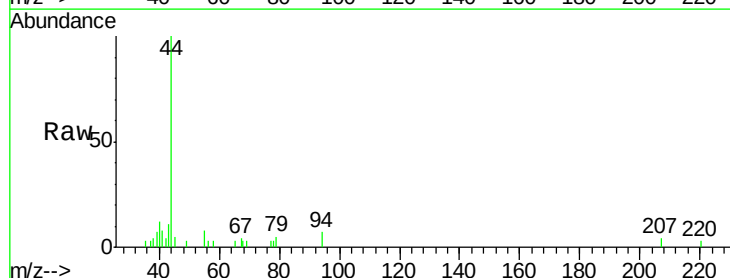
Acq: 18 Feb 2019 14:34

Tgt Ion: 56 Resp: 360

Ion Ratio Lower Upper

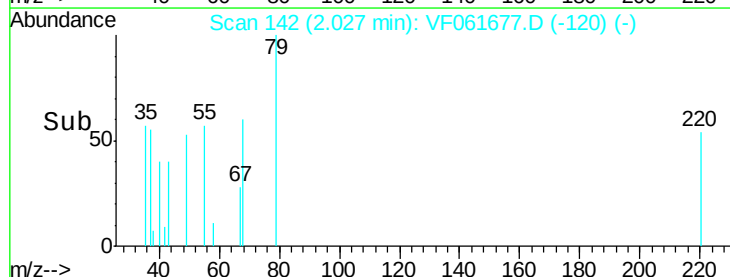
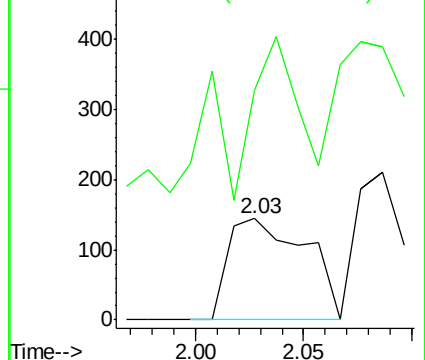
56 100

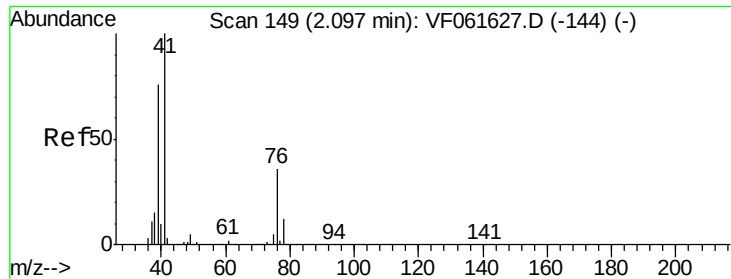
55 227.8 55.0 82.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

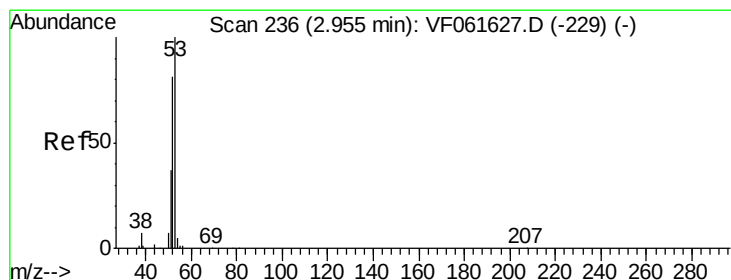
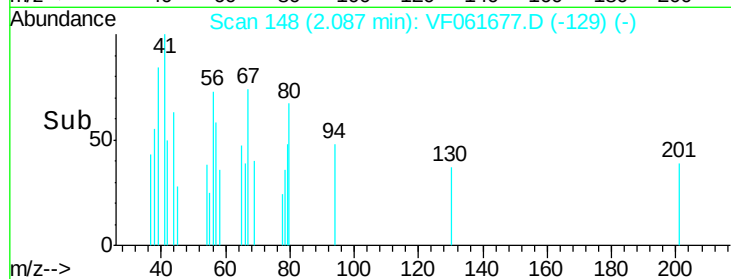
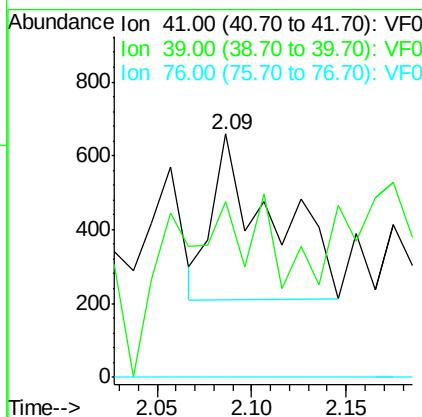
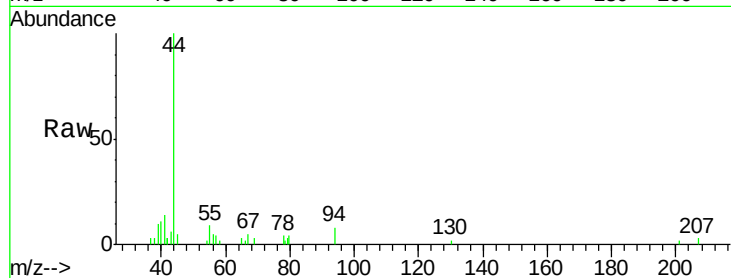




#14
Allvl chloride
Concen: 24.733 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

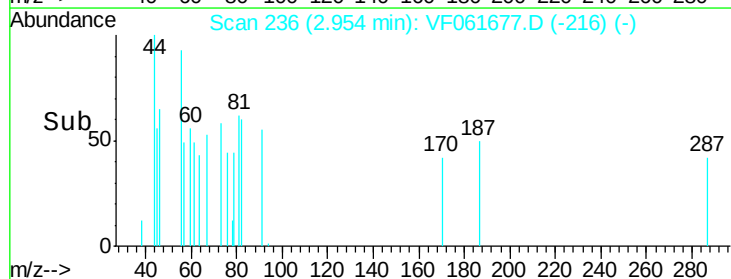
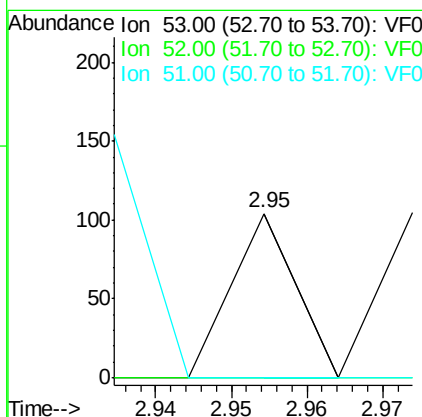
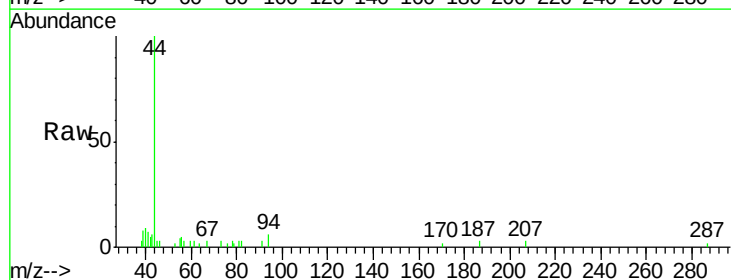
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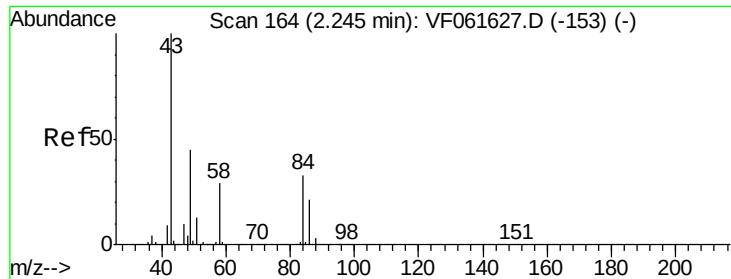
Tot Ion: 41 Resp: 988
Ion Ratio Lower Upper
41 100
39 72.4 61.6 92.4
76 0.0 30.3 45.5#



#15
Acrylonitrile
Concen: 10.841 ug/l
RT: 2.95 min Scan# 236
Delta R.T. -0.00 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Tgt Ion: 53 Resp: 62
Ion Ratio Lower Upper
53 100
52 0.0 64.6 97.0#
51 0.0 29.8 44.8#

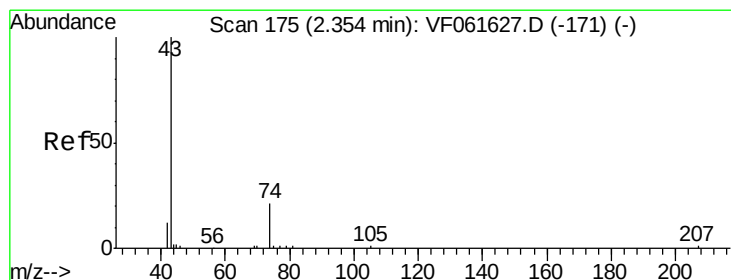
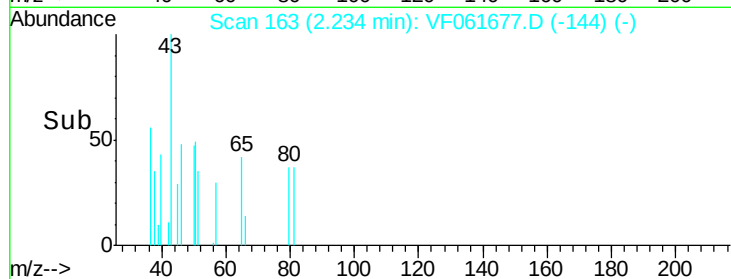
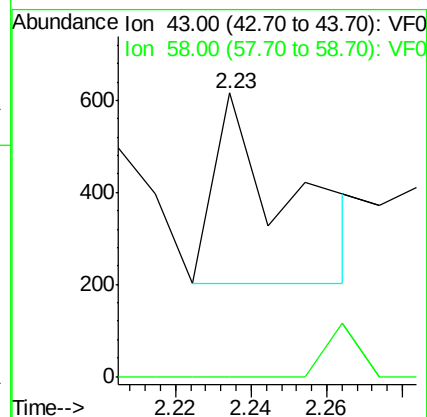
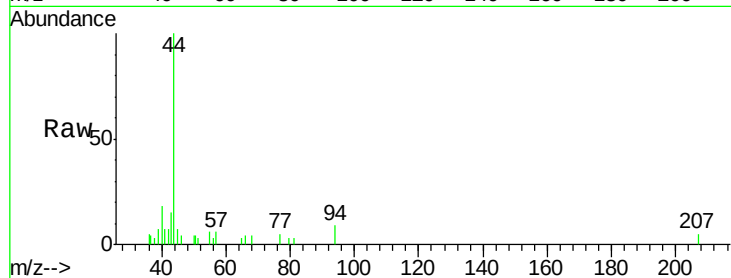




#16
Acetone
Concen: 94.860 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

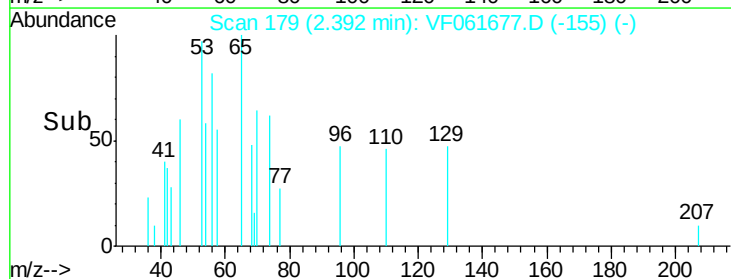
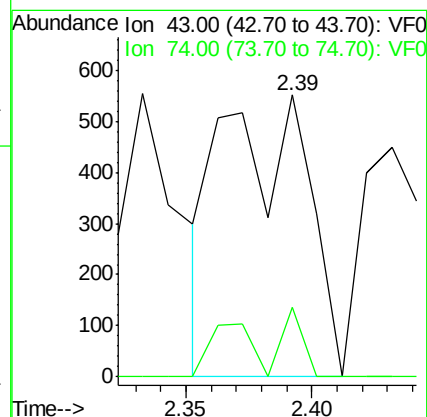
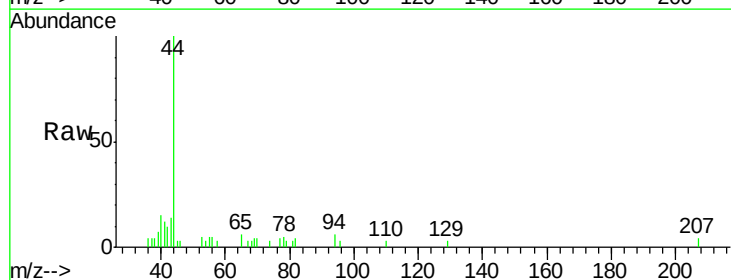
Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

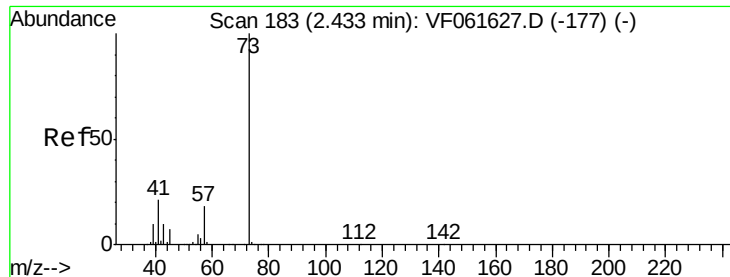
Tot Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#18
Methyl Acetate
Concen: 96.991 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.04 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Tgt Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
74 24.8 14.6 21.8#



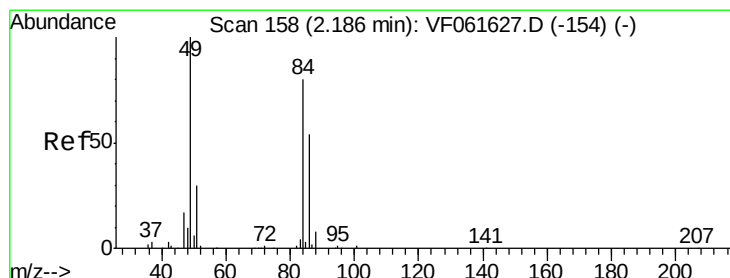
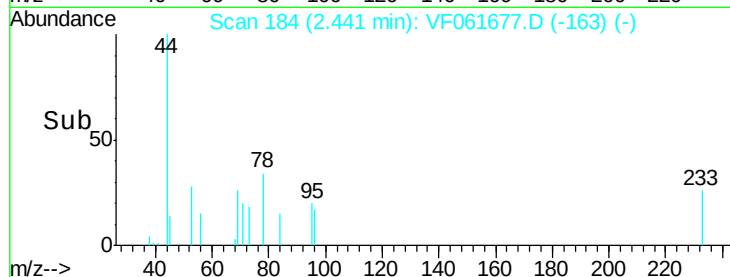
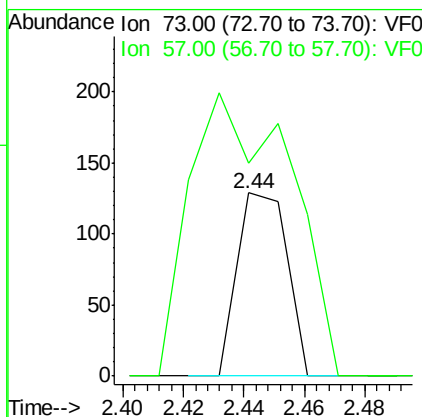
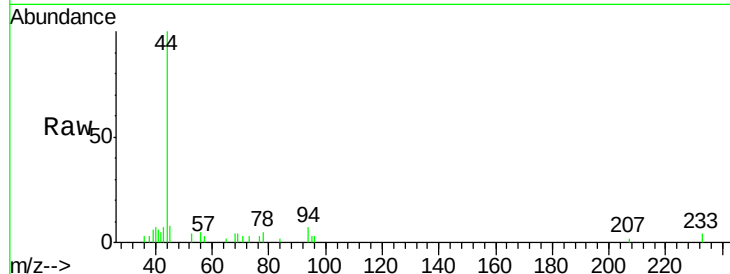


#19

Methyl tert-butyl Ether
 Concen: 2.678 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF061677.D
 Acq: 18 Feb 2019 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

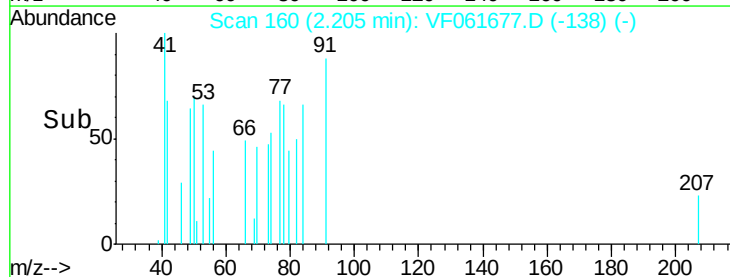
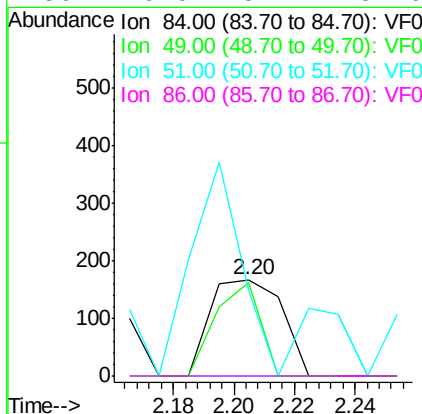
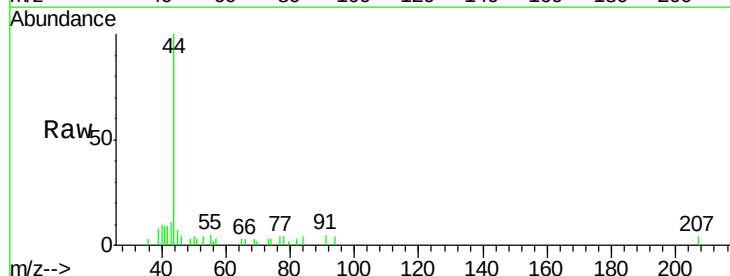
Tot Ion: 73 Resp: 149
 Ion Ratio Lower Upper
 73 100
 57 116.3 15.8 23.8#

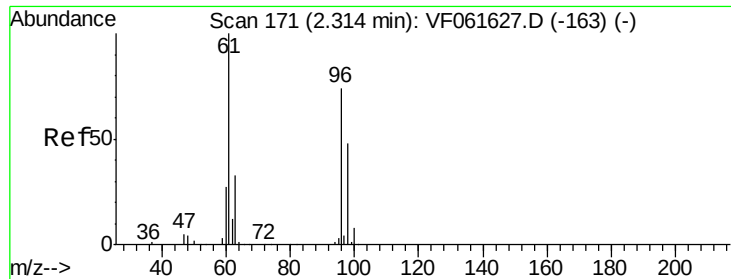


#20

Methylene Chloride
 Concen: 6.420 ug/l
 RT: 2.20 min Scan# 160
 Delta R.T. 0.02 min
 Lab File: VF061677.D
 Acq: 18 Feb 2019 14:34

Tgt Ion: 84 Resp: 276
 Ion Ratio Lower Upper
 84 100
 49 96.4 101.8 152.8#
 51 89.3 31.1 46.7#
 86 0.0 54.4 81.6#





#21

trans-1,2-Dichloroethene

Concen: 4.380 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

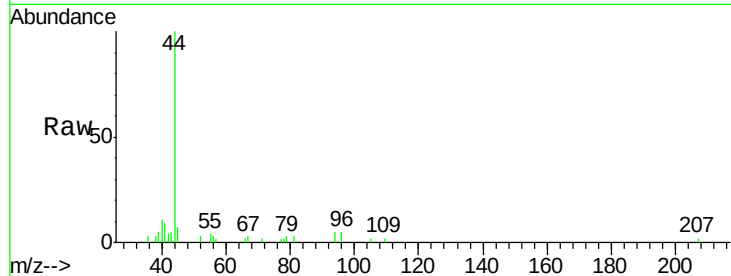
Tot Ion: 96 Resp: 155

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

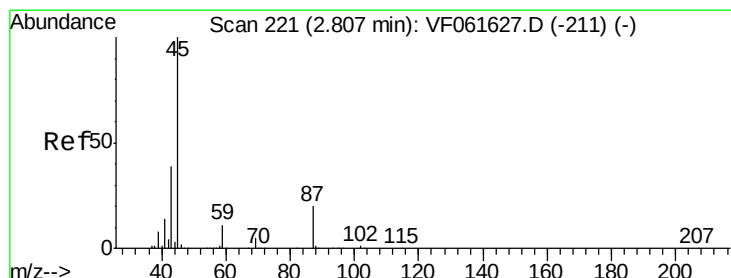
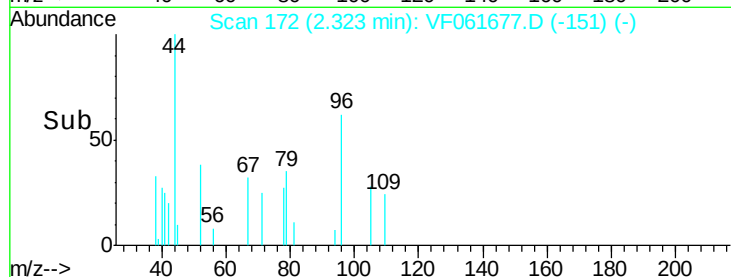
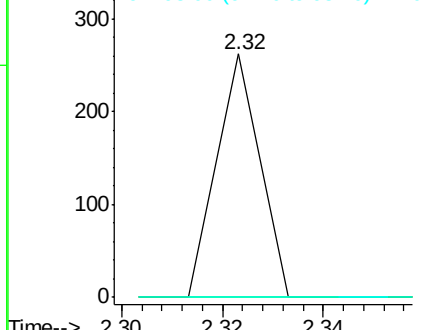
98 0.0 52.2 78.2#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 2.138 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Tgt Ion: 45 Resp: 205

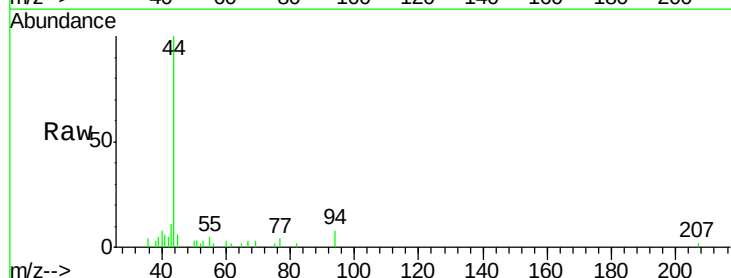
Ion Ratio Lower Upper

45 100

43 173.1 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

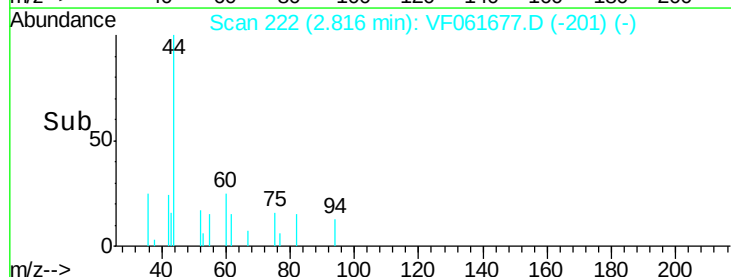
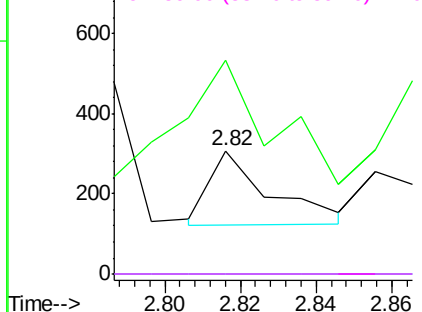


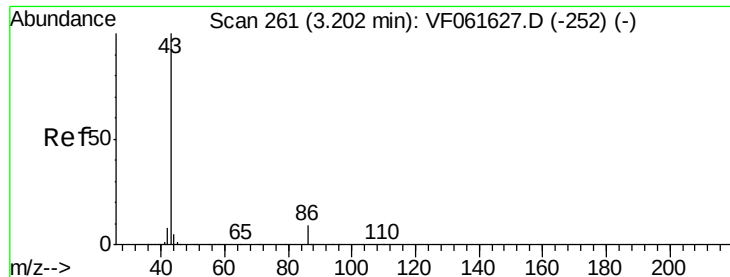
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 5.359 ug/l

RT: 3.14 min Scan# 255

Delta R.T. -0.06 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

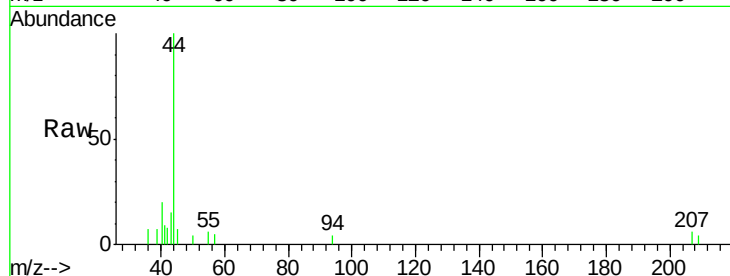
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 43 Resp: 251

Ion Ratio Lower Upper

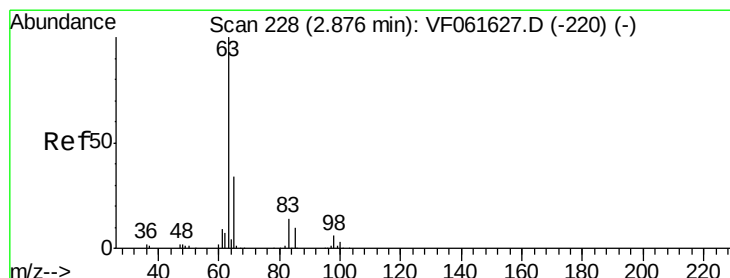
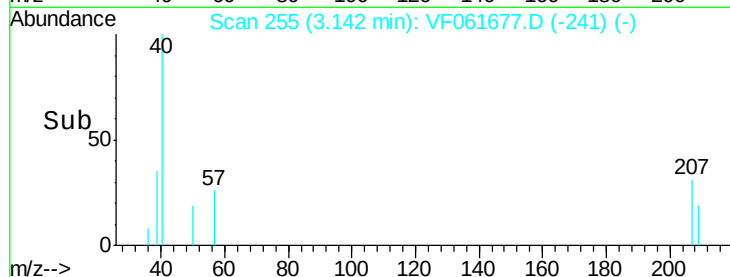
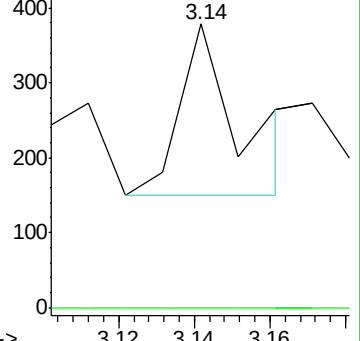
43 100

86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 2.085 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.02 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

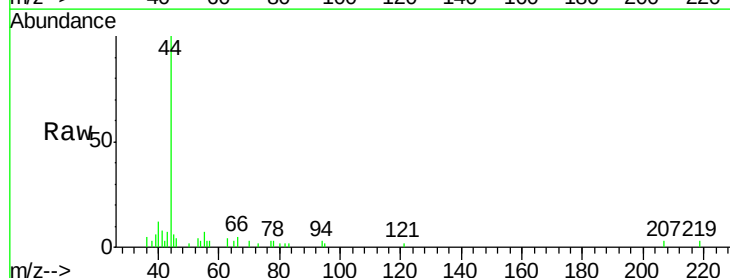
Tgt Ion: 63 Resp: 121

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

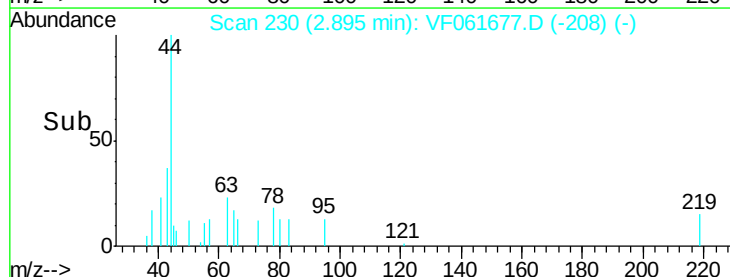
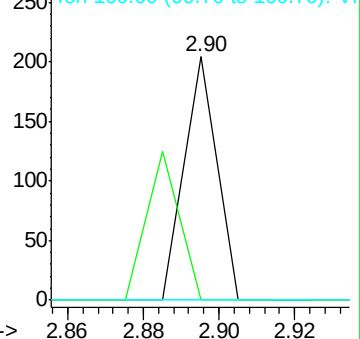
100 0.0 1.8 5.4#

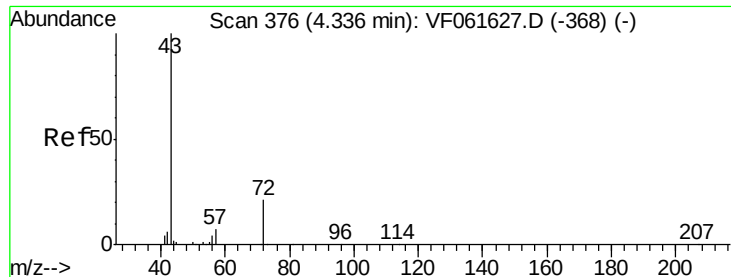


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 19.378 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

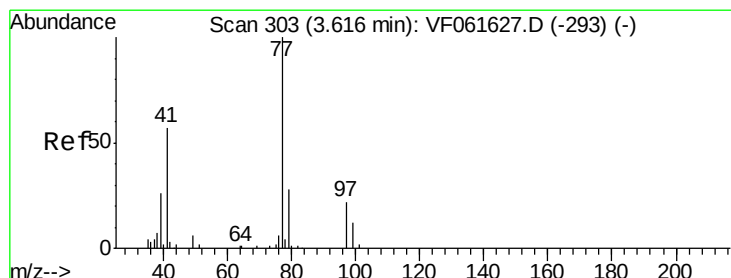
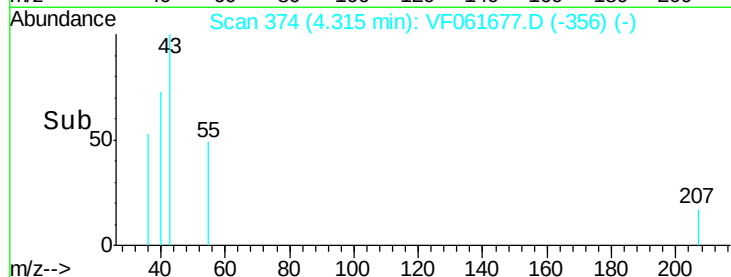
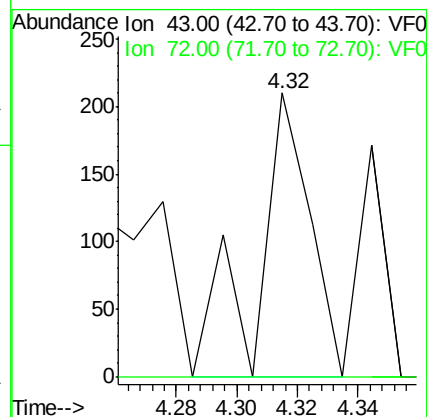
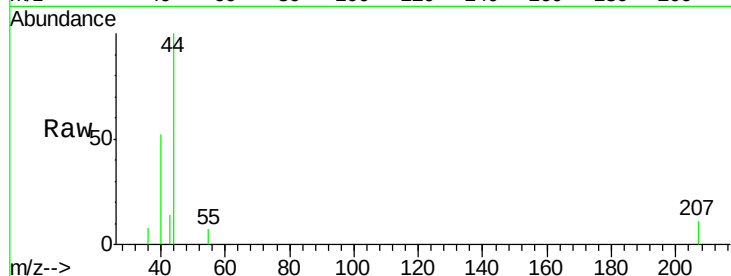
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



#26

2,2-Dichloropropane

Concen: 7.445 ug/l

RT: 3.62 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF061677.D

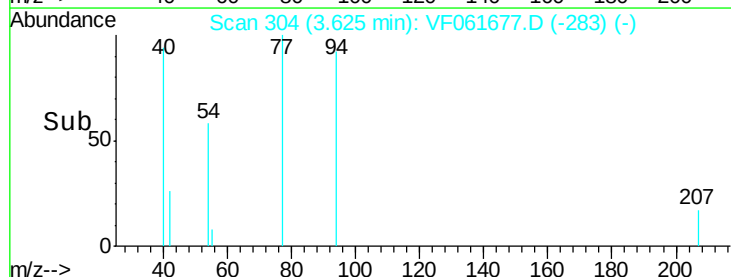
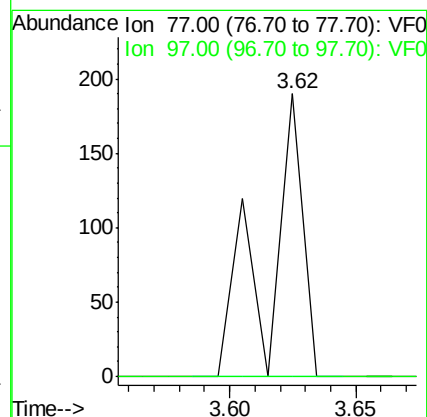
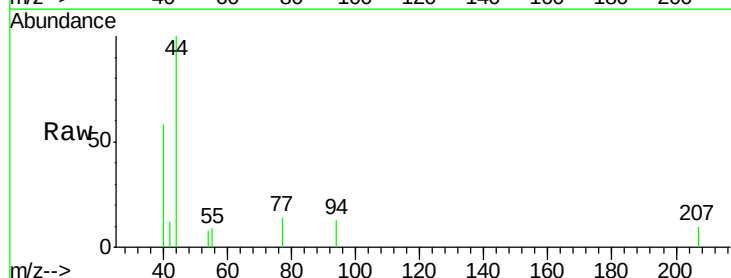
Acq: 18 Feb 2019 14:34

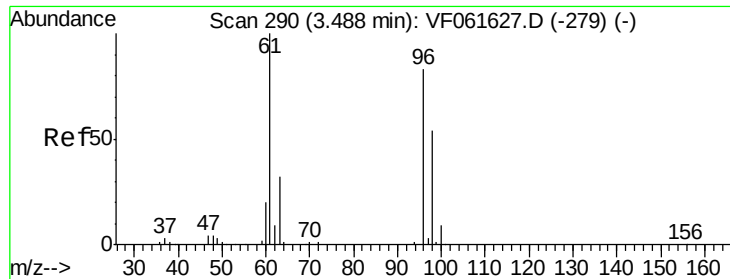
Tgt Ion: 77 Resp: 183

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



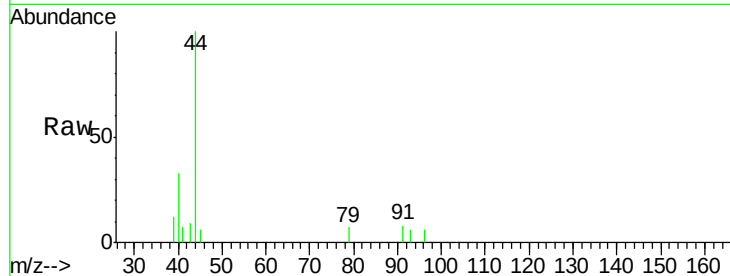


#27

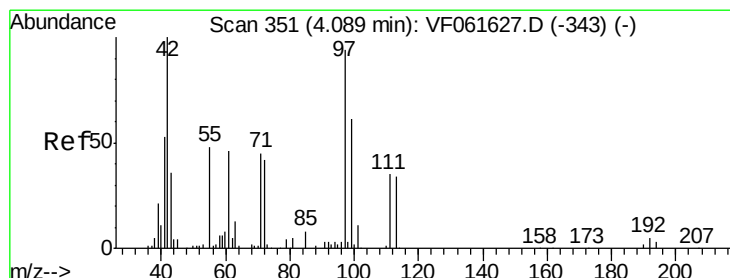
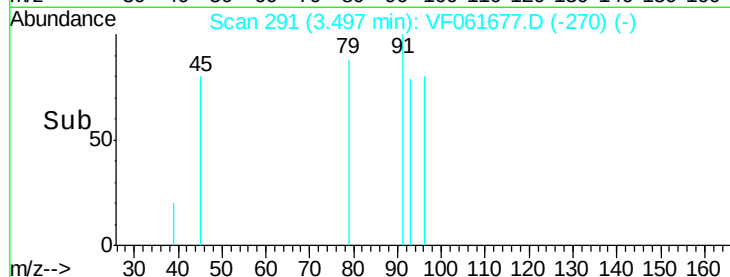
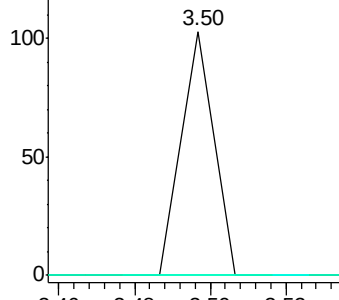
cis-1,2-Dichloroethene
Concen: 1.313 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.01 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 0.0 241.6
98 0.0 0.0 130.2



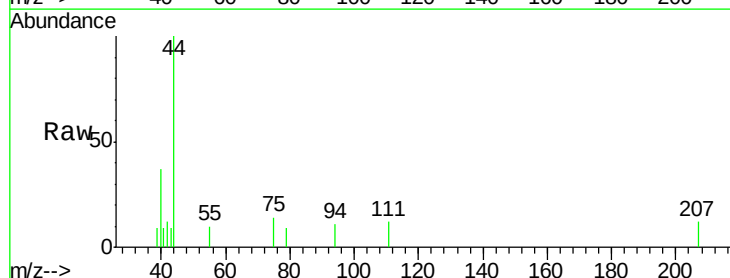
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



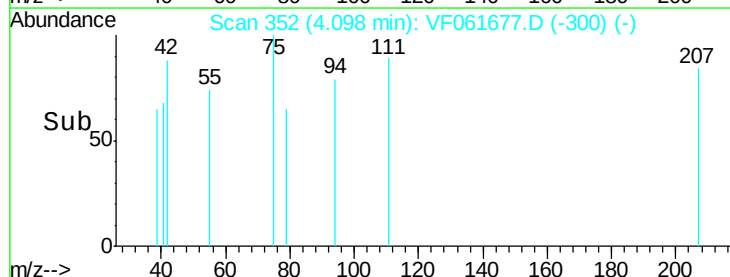
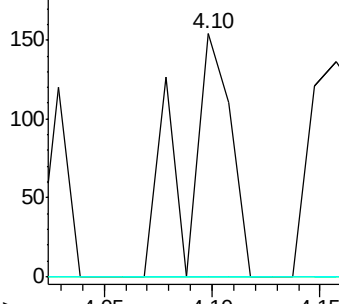
#29

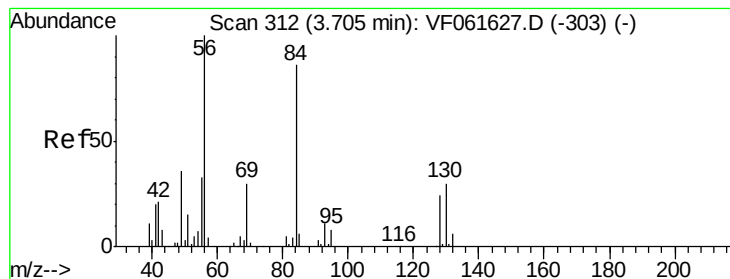
Tetrahydrofuran
Concen: 38.927 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Tgt Ion: 42 Resp: 231
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 32.9 49.3#



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





#31

Cyclohexane

Concen: 1.401 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

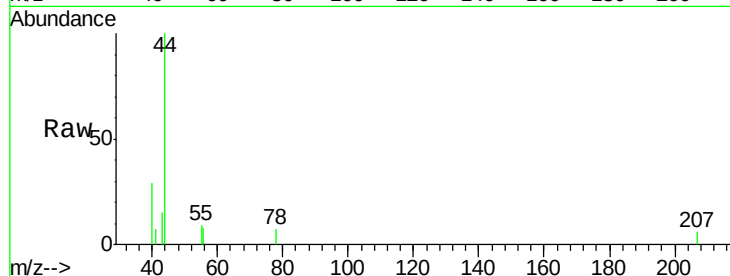
Tot Ion: 56 Resp: 88

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

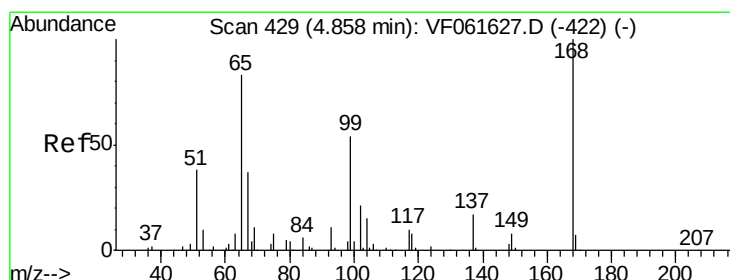
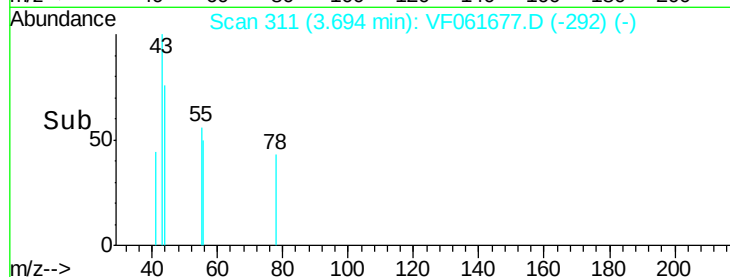
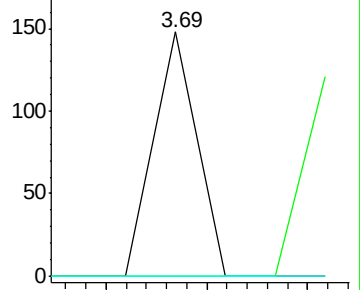
84 0.0 68.6 103.0#



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: 17.804 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061677.D

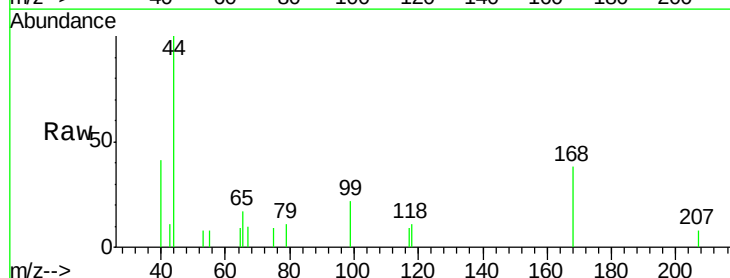
Acq: 18 Feb 2019 14:34

Tgt Ion: 65 Resp: 496

Ion Ratio Lower Upper

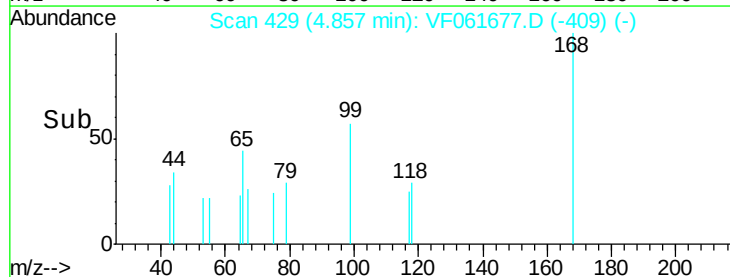
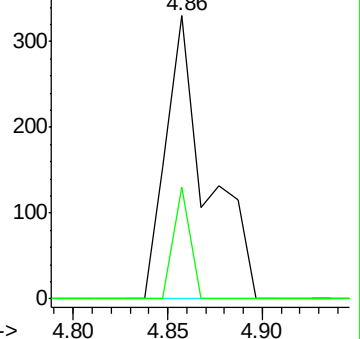
65 100

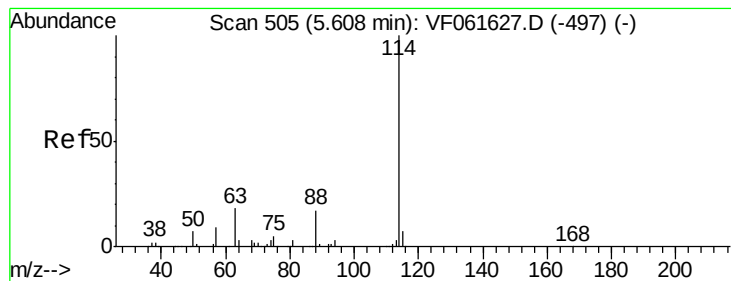
67 39.4 0.0 104.0



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: 5.62 min Scan# 506

Delta R.T. 0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

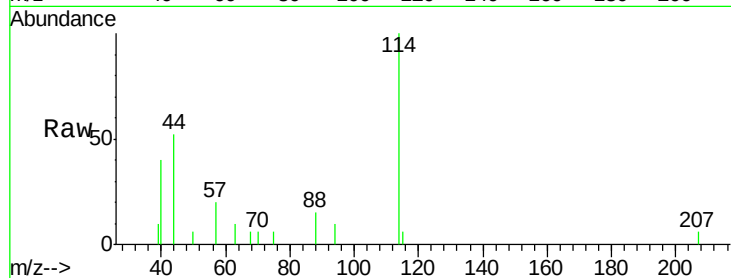
Tot Ion:114 Resp: 5083

Ion Ratio Lower Upper

114 100

63 9.9 0.0 36.6

88 14.7 0.0 34.4



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

2500

2000

1500

1000

500

0

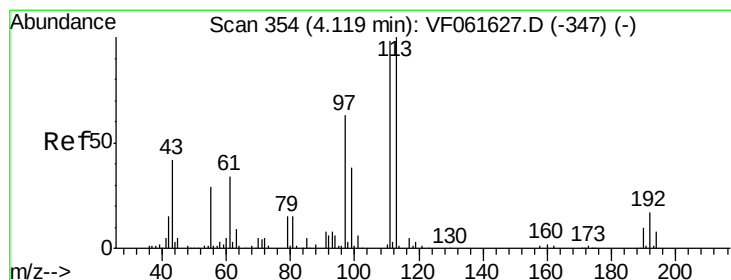
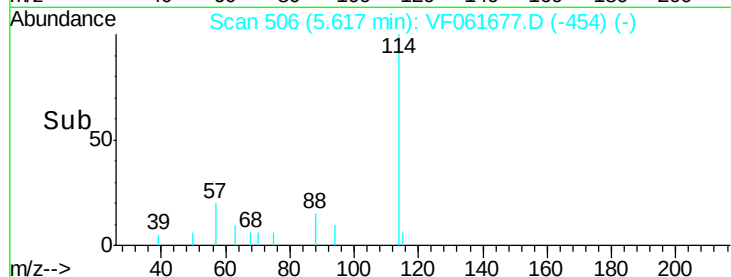
5.62

5.50

5.60

5.70

Time-->



#35

Dibromofluoromethane

Concen: 18.598 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

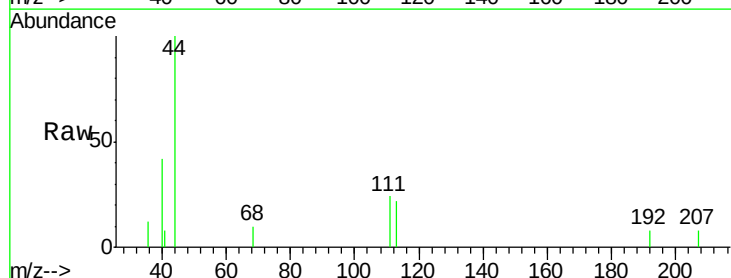
Tgt Ion:113 Resp: 702

Ion Ratio Lower Upper

113 100

111 109.6 78.8 118.2

192 35.4 13.4 20.0#



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

600

500

400

300

200

100

0

4.14

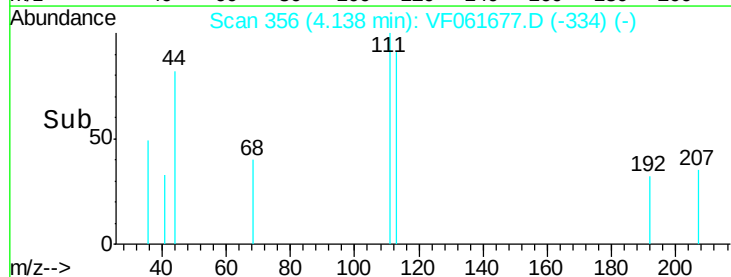
4.05

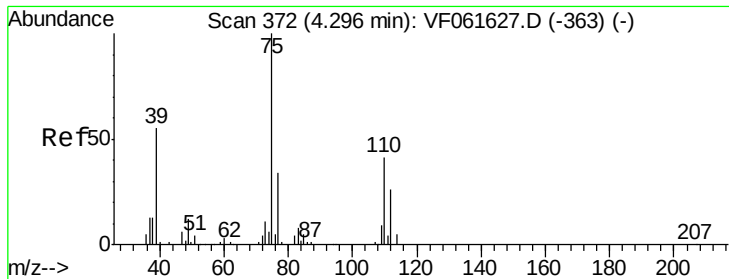
4.10

4.15

4.20

Time-->

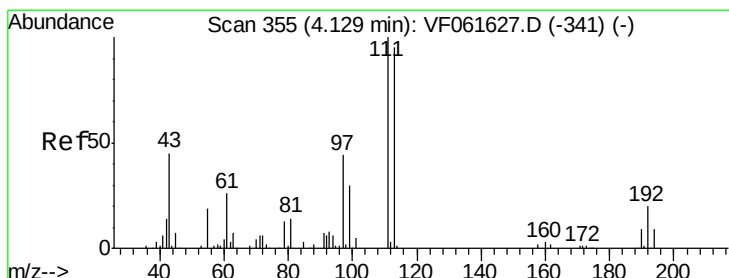
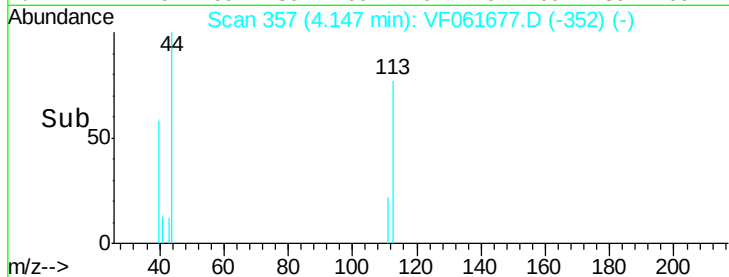
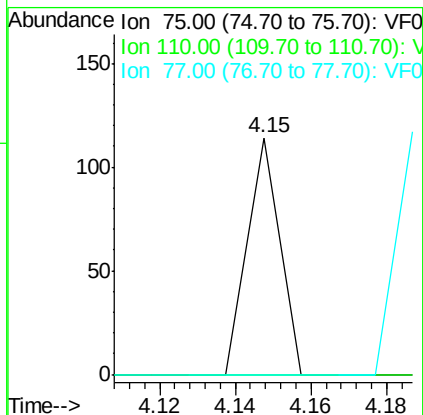
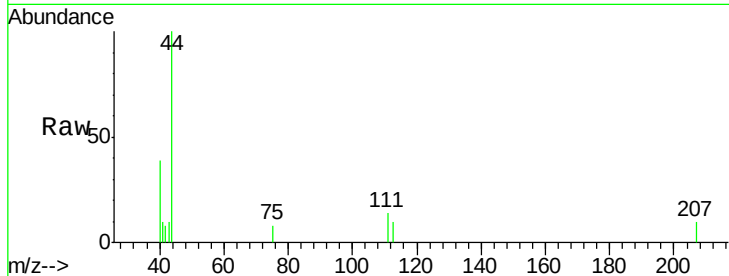




#36
 1,1-Dichloropropene
 Concen: 1.331 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. -0.15 min
 Lab File: VF061677.D
 Acq: 18 Feb 2019 14:34

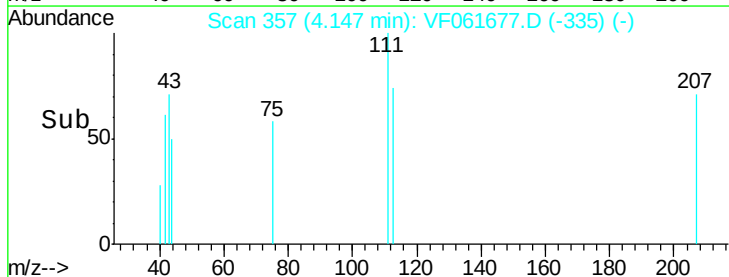
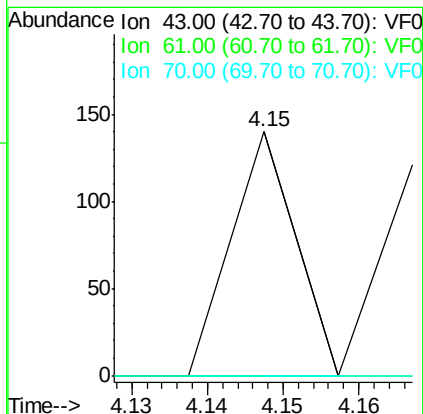
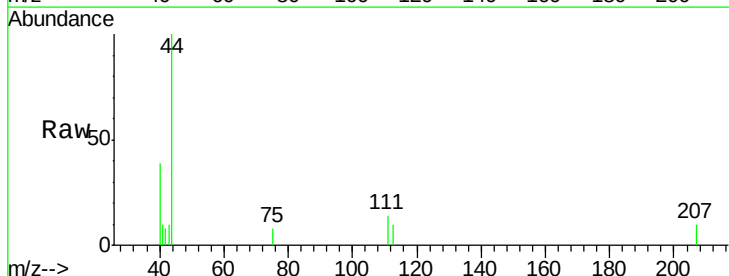
Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

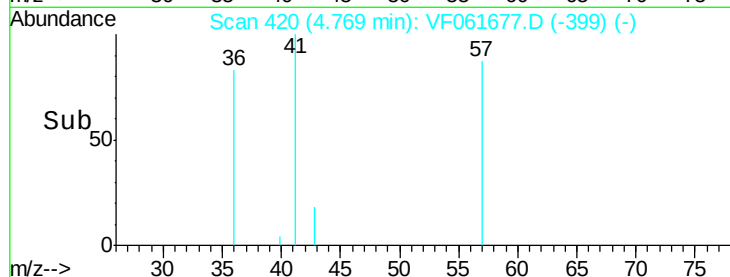
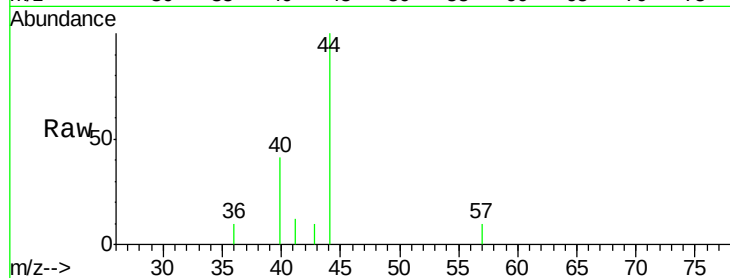
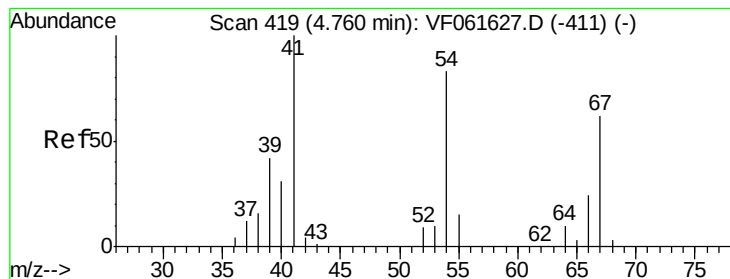
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.5	61.6#
77	0.0	27.0	40.4#



#37
 Ethyl Acetate
 Concen: 3.549 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF061677.D
 Acq: 18 Feb 2019 14:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	45.7	68.5#
70	0.0	8.5	12.7#





#41

Methacrylonitrile

Concen: 18.143 ug/l

RT: 4.77 min Scan# 420

Delta R.T. 0.01 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 41 Resp: 217

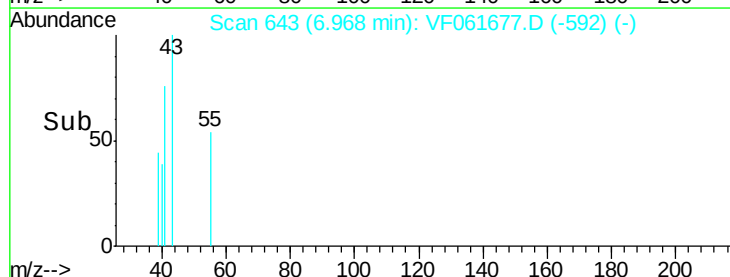
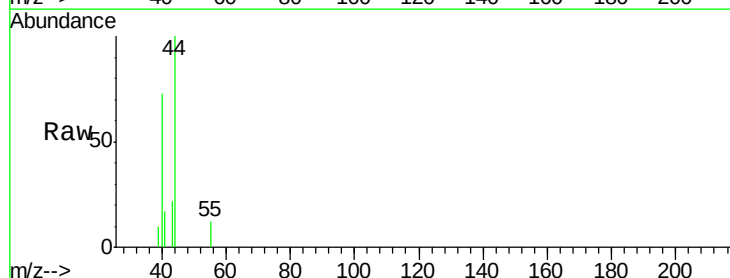
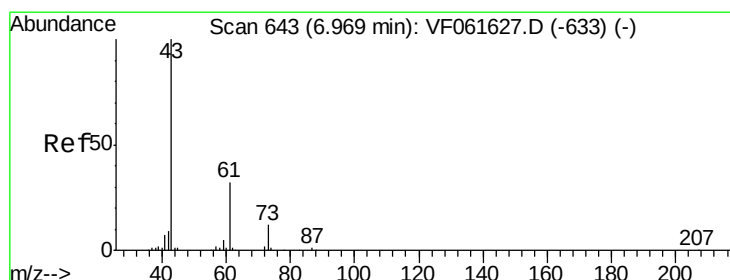
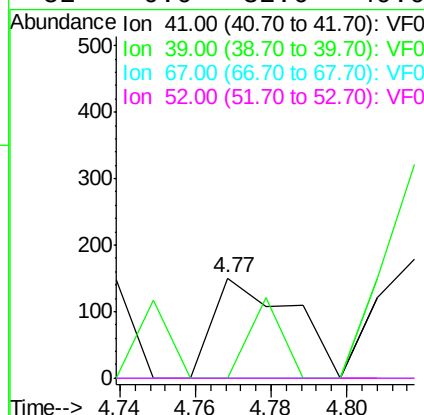
Ion Ratio Lower Upper

41 100

39 0.0 45.3 67.9#

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#



#43

Isopropyl Acetate

Concen: 10.006 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

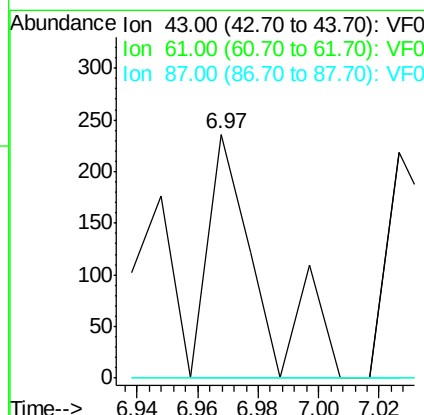
Tgt Ion: 43 Resp: 277

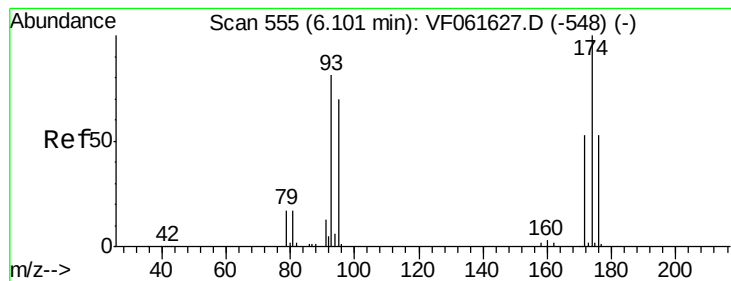
Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.4 0.6#





#46

Dibromomethane

Concen: 3.826 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

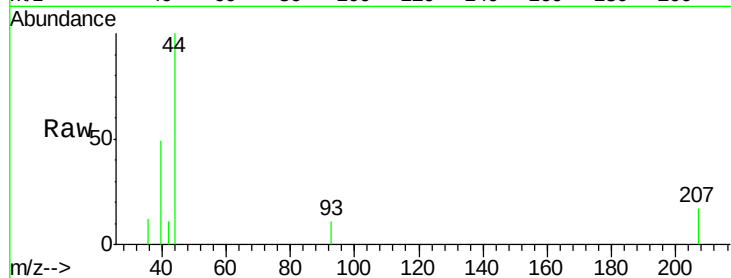
Tot Ion: 93 Resp: 75

Ion Ratio Lower Upper

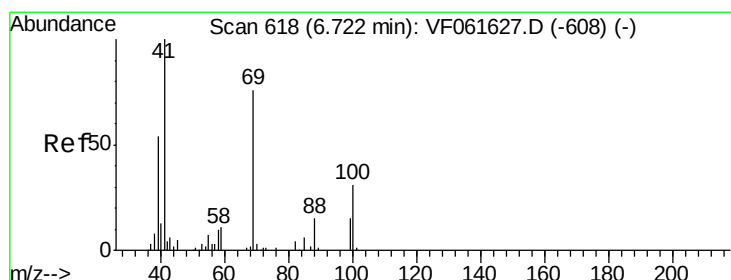
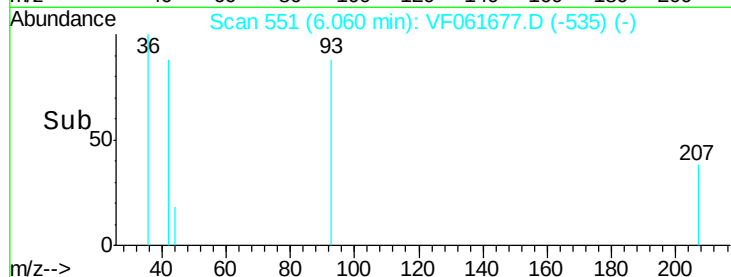
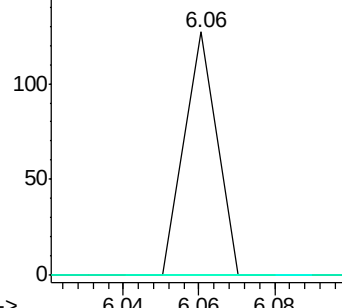
93 100

95 0.0 69.0 103.6#

174 0.0 99.3 148.9#



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V



#48

Methyl methacrylate

Concen: 8.583 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.03 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

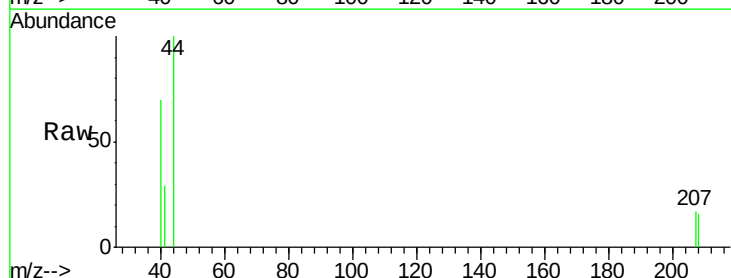
Tgt Ion: 41 Resp: 143

Ion Ratio Lower Upper

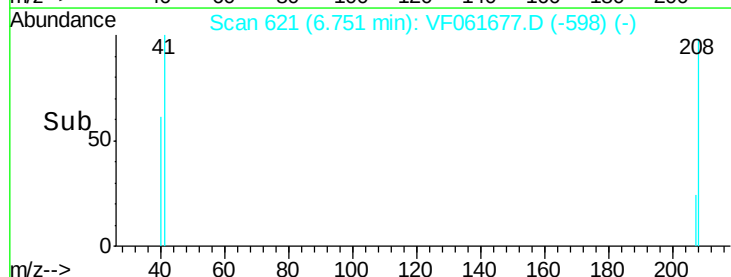
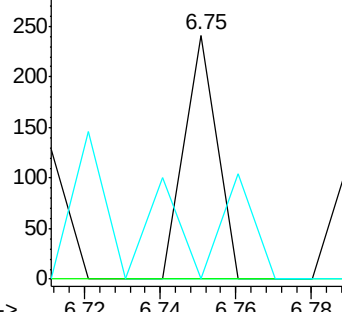
41 100

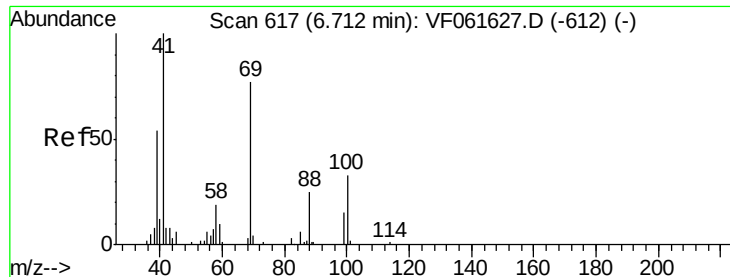
69 0.0 60.4 90.6#

39 0.0 43.7 65.5#



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

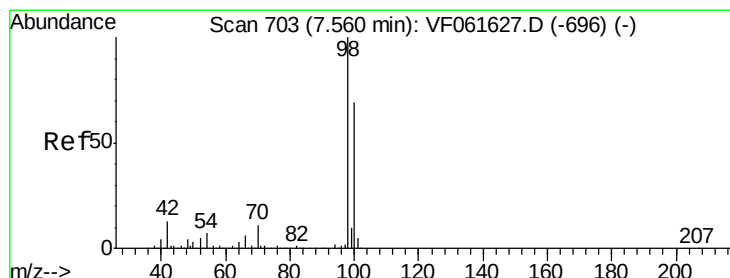
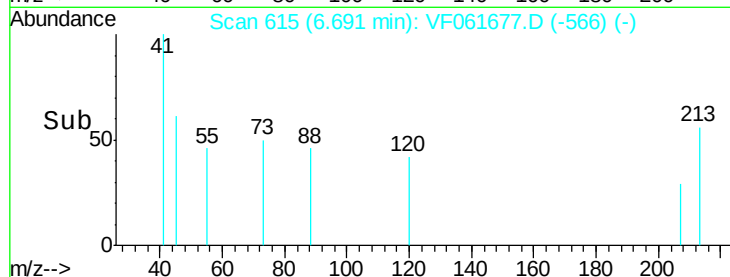
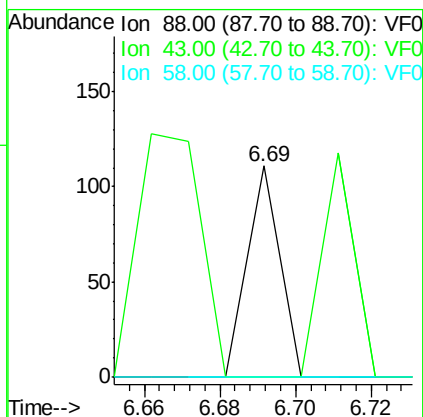
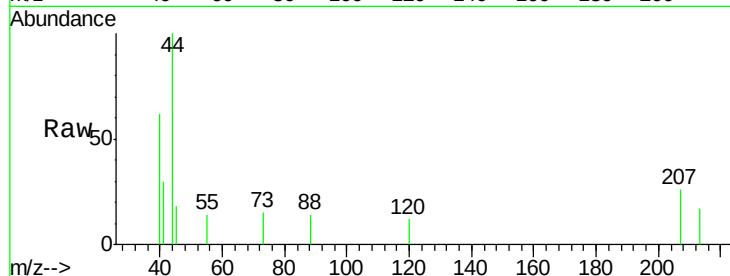




#49
1,4-Dioxane
Concen: 421.425 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

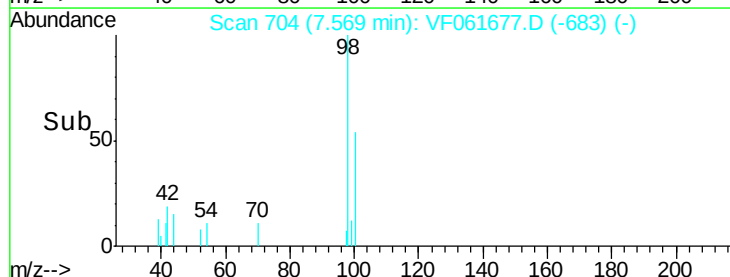
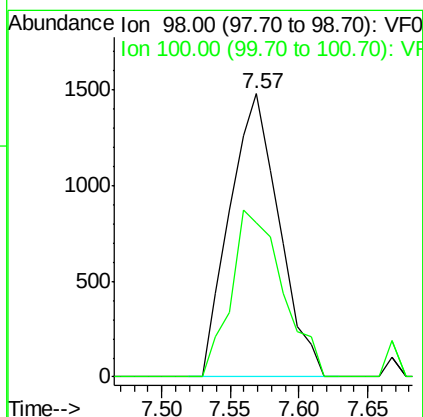
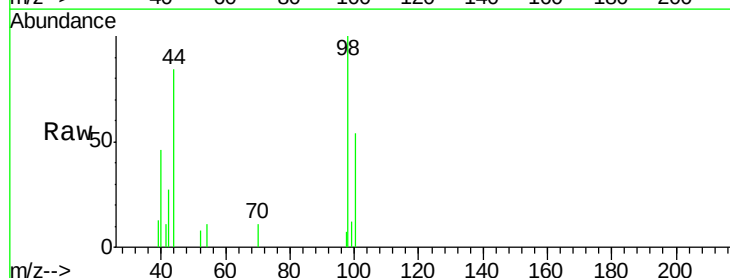
Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

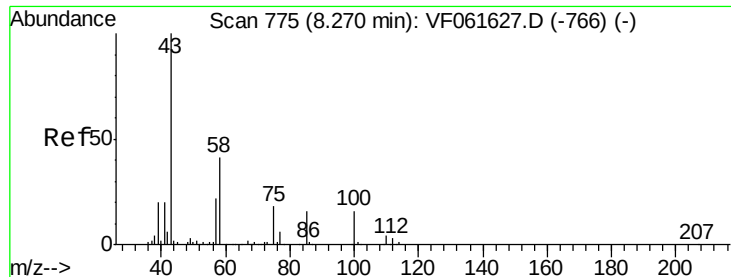
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 34.190 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Tgt Ion: 98 Resp: 3710
Ion Ratio Lower Upper
98 100
100 54.3 55.4 83.2#





#51

4-Methyl-2-Pentanone

Concen: 14.762 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.03 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

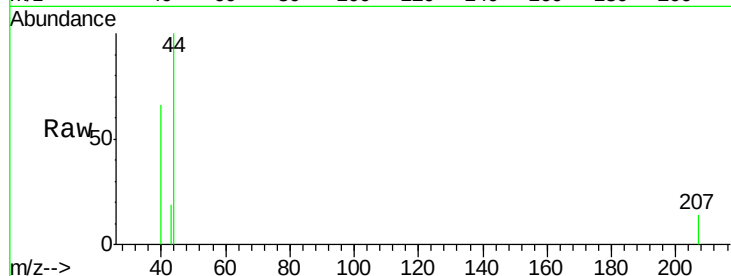
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 43 Resp: 292

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.30

200

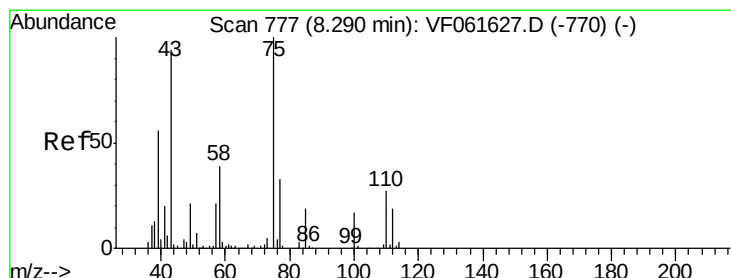
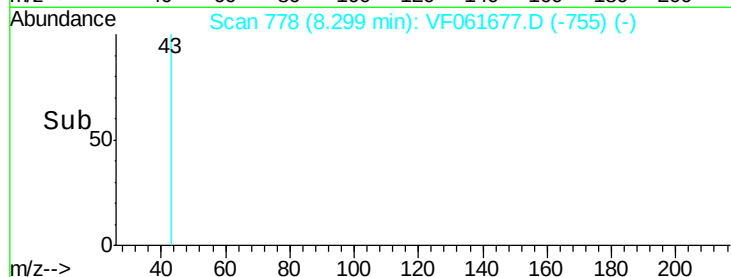
150

100

50

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.875 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.11 min

Lab File: VF061677.D

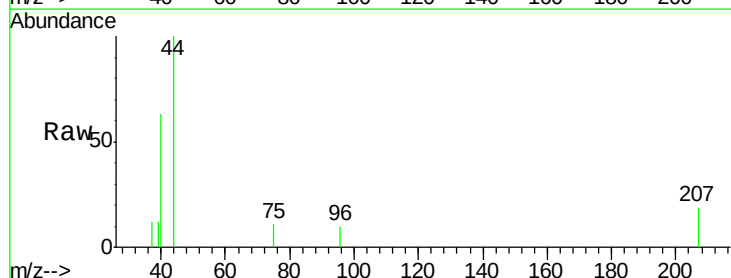
Acq: 18 Feb 2019 14:34

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

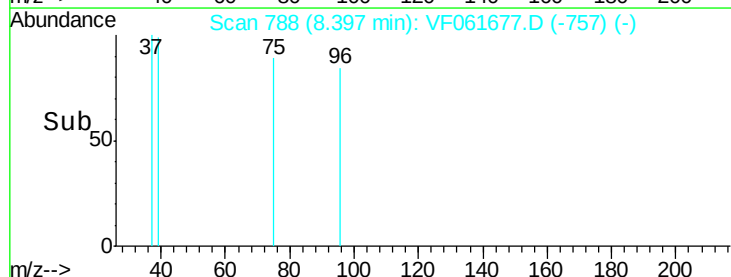
8.40

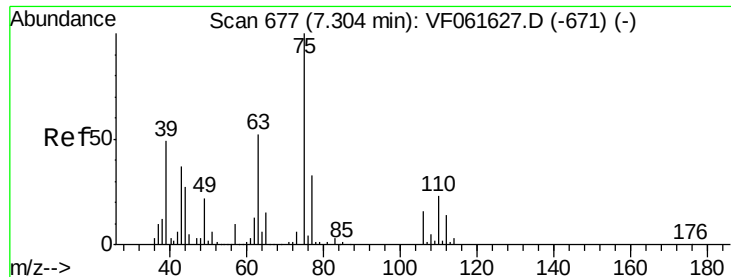
100

50

0

Time-->

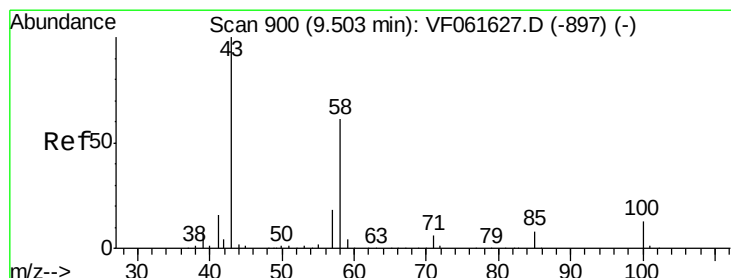
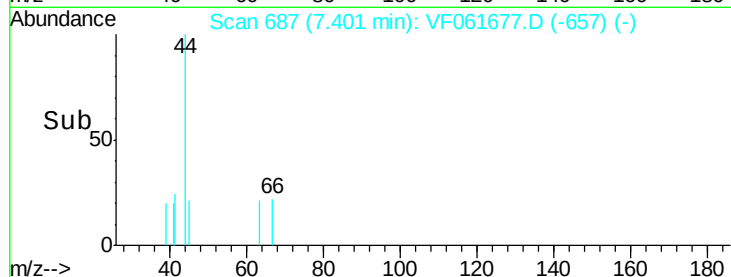
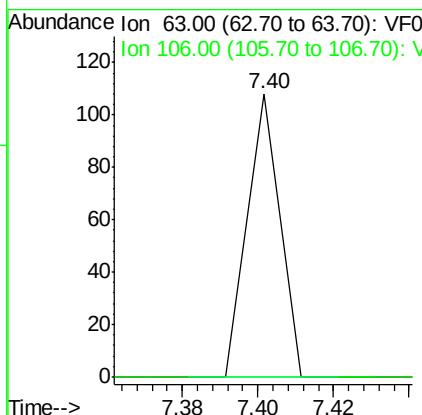
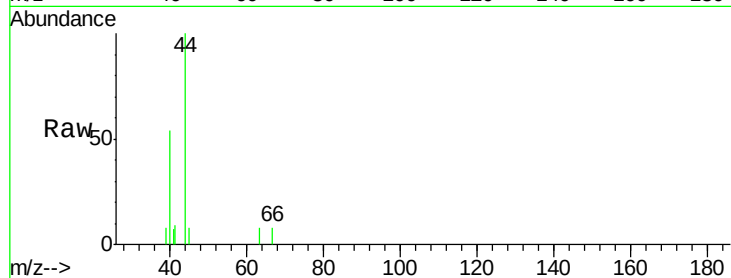




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.196 ug/l
 RT: 7.40 min Scan# 687
 Delta R.T. 0.10 min
 Lab File: VF061677.D
 Acq: 18 Feb 2019 14:34

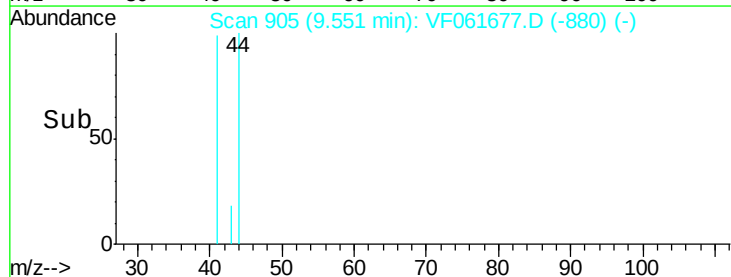
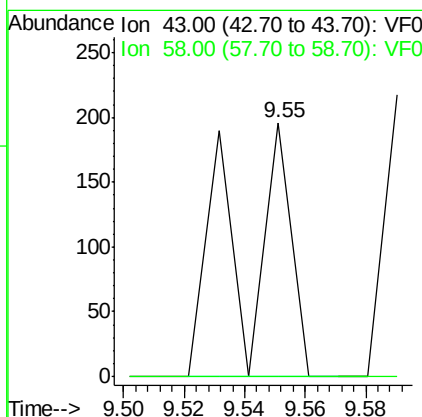
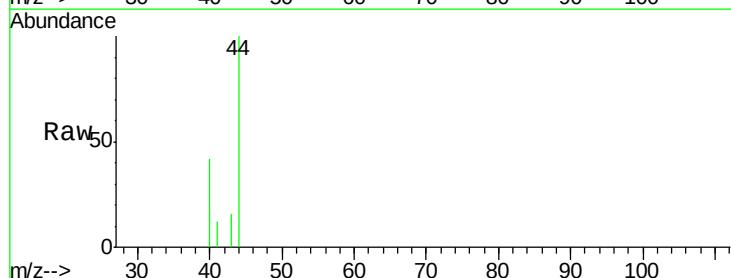
Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

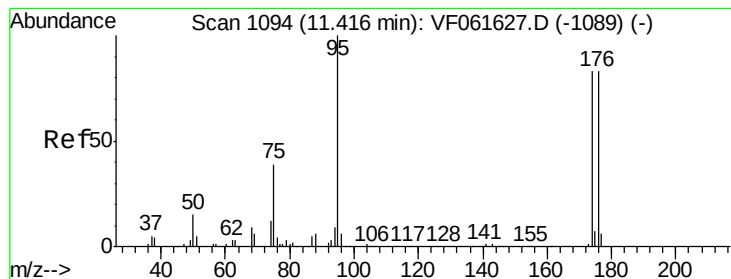
Tot Ion: 63 Resp: 64
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.6 36.8#



#59
 2-Hexanone
 Concen: 16.443 ug/l
 RT: 9.55 min Scan# 905
 Delta R.T. 0.05 min
 Lab File: VF061677.D
 Acq: 18 Feb 2019 14:34

Tgt Ion: 43 Resp: 228
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 85.5#





#62

4-Bromofluorobenzene

Concen: 18.289 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

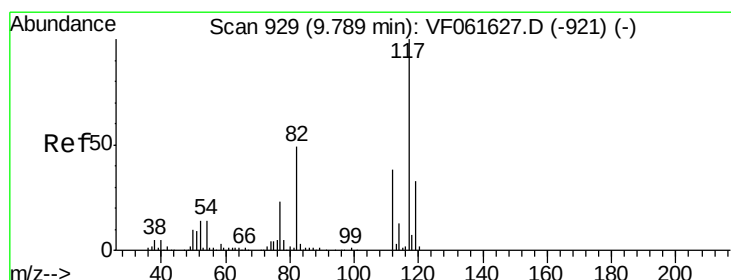
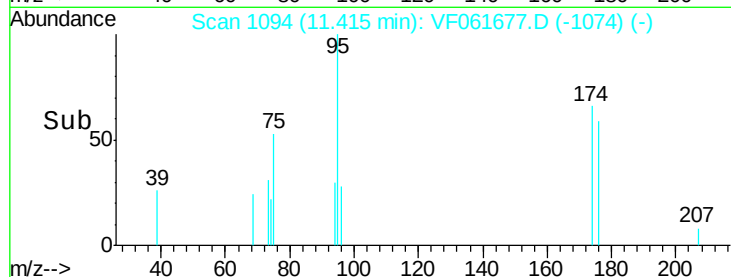
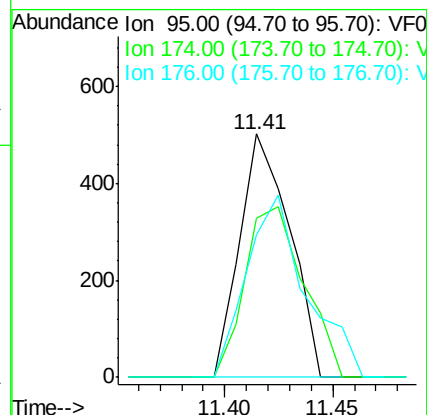
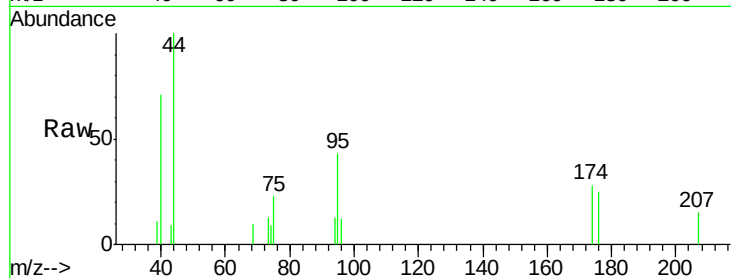
Tot Ion: 95 Resp: 803

Ion Ratio Lower Upper

95 100

174 65.5 0.0 165.8

176 58.6 0.0 167.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.00 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

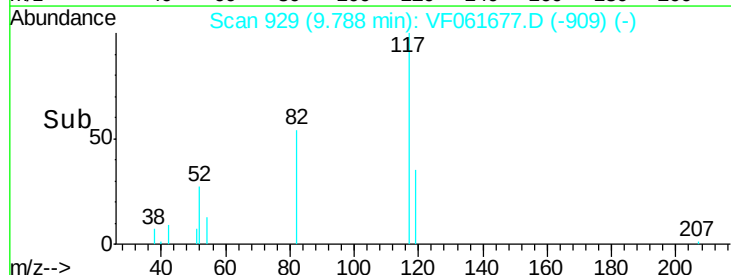
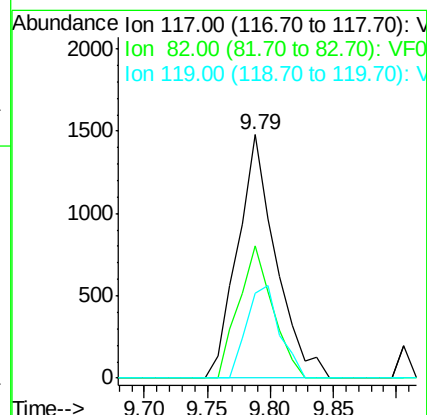
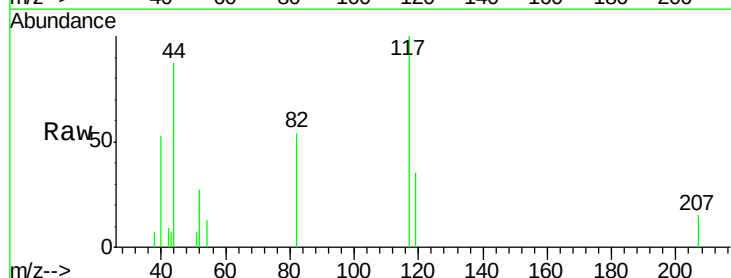
Tgt Ion: 117 Resp: 3102

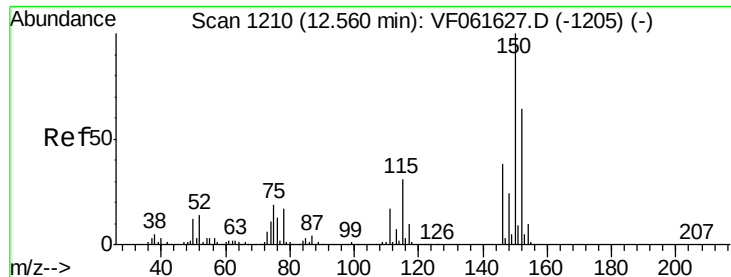
Ion Ratio Lower Upper

117 100

82 54.5 39.3 58.9

119 35.0 26.6 40.0



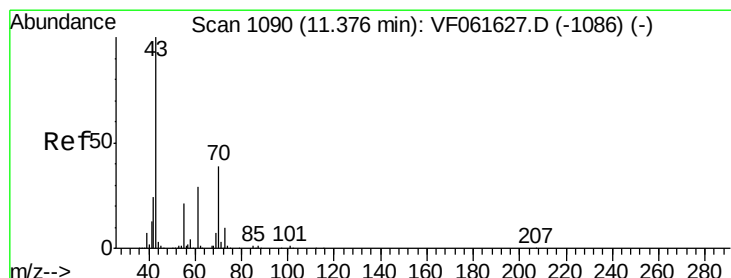
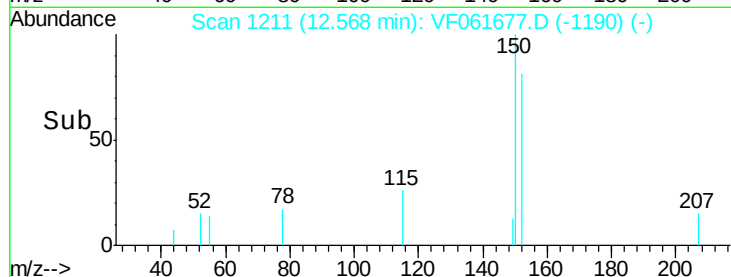
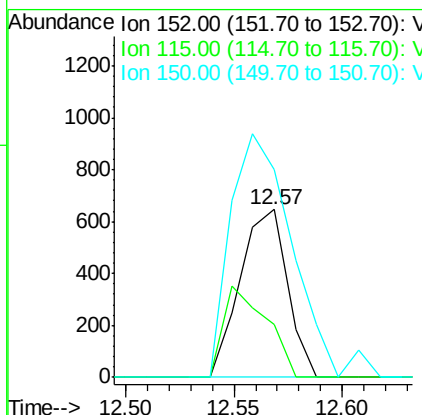
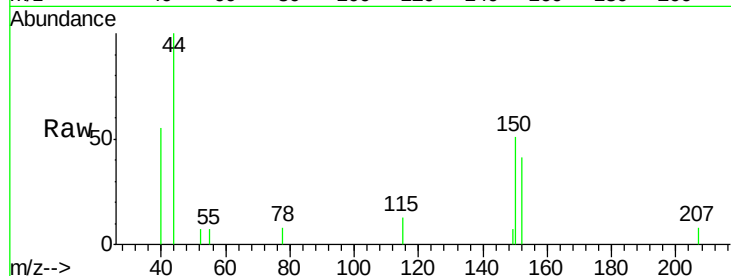


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.01 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

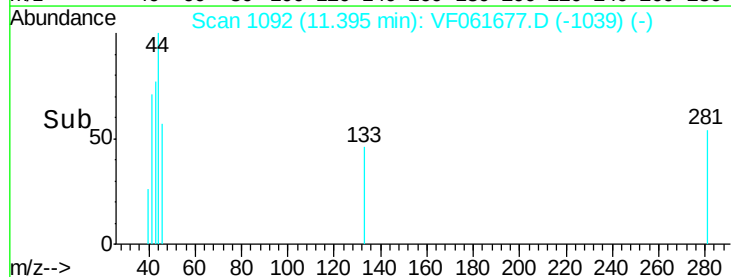
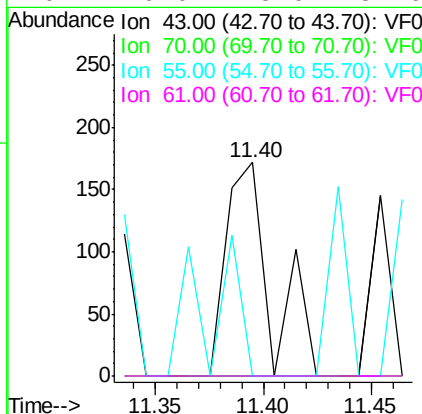
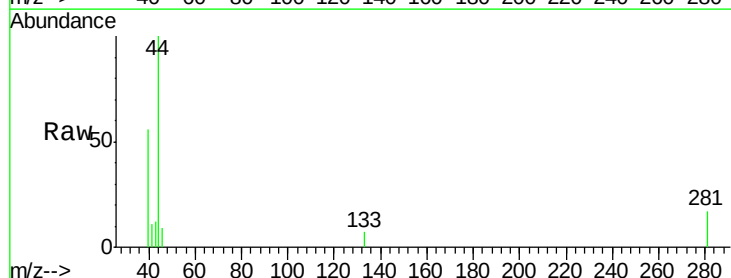
Tot Ion:152 Resp: 981
Ion Ratio Lower Upper
152 100
115 31.8 24.3 72.8
150 123.6 0.0 312.0

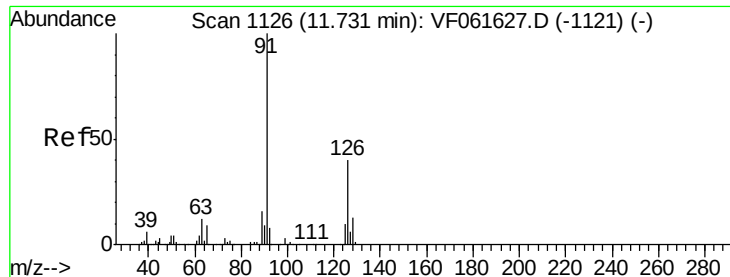


#74

N-amil acetate
Concen: 14.972 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VF061677.D
Acq: 18 Feb 2019 14:34

Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
70 0.0 31.5 47.3#
55 0.0 16.7 25.1#
61 0.0 23.0 34.6#





#79

2-Chlorotoluene

Concen: 1.448 ug/l

RT: 11.65 min Scan# 1118

Delta R.T. -0.08 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

Instrument :

MSVOA_F

ClientSampleId :

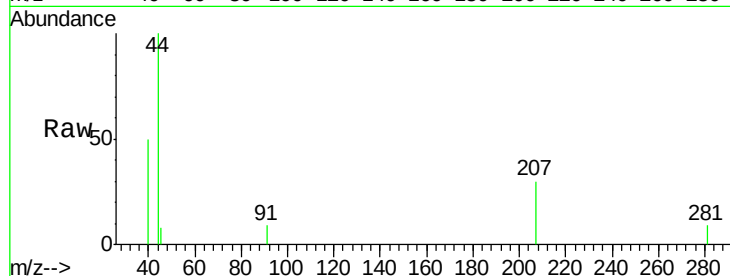
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

126 0.0 19.8 59.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.65

100

80

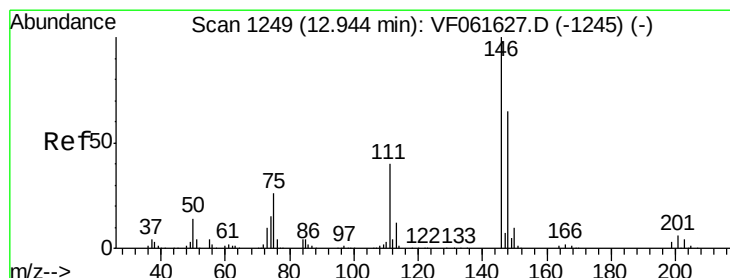
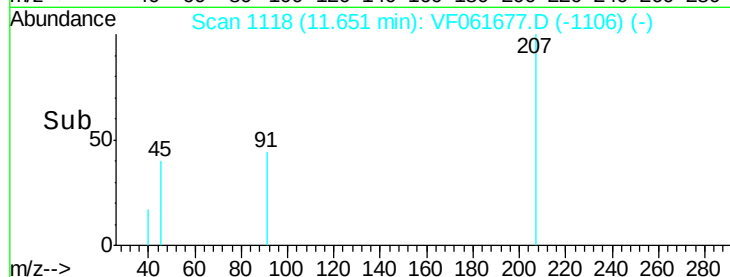
60

40

20

0

Time--> 11.62 11.64 11.66 11.68



#91

1,2-Dichlorobenzene

Concen: 1.938 ug/l

RT: 12.88 min Scan# 1243

Delta R.T. -0.06 min

Lab File: VF061677.D

Acq: 18 Feb 2019 14:34

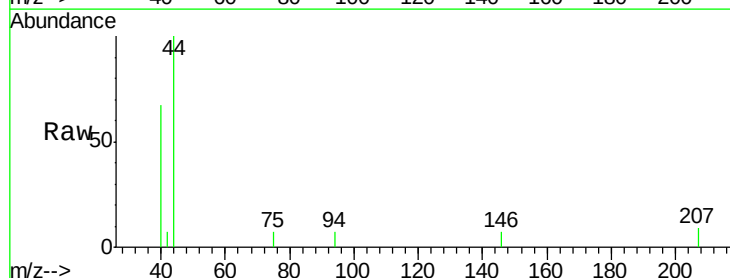
Tgt Ion: 146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 0.0 32.3 96.9#



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

12.88

100

50

0

Time--> 12.86 12.88 12.90

