

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
 Data File : VF061678.D
 Acq On : 18 Feb 2019 15:03
 Operator : VA/AP
 Sample : K1518-09
 Misc : 6.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-5

Quant Time: Feb 19 01:57:28 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	4.88	168	699	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	987	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

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	4.14	113	73	9.96	ug/l	0.02
Spiked Amount	50.000		Recovery	=	19.92%	
50) Toluene-d8	7.55	98	602	28.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	57.14%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
3) Chloromethane	1.10	50	162	19.235	ug/l #	42
4) Vinyl Chloride	1.22	62	79	10.090	ug/l #	40
5) Bromomethane	1.35	94	356	66.064	ug/l #	3
6) Chloroethane	1.31	64	74	19.178	ug/l #	40
7) Trichlorofluoromethane	1.47	101	65	6.883	ug/l #	20
8) Diethyl Ether	1.60	74	100	42.019	ug/l	77
11) Tert butyl alcohol	2.57	59	59	198.886	ug/l #	63
12) 1,1-Dichloroethene	1.77	96	69	11.520	ug/l #	1
13) Acrolein	1.99	56	436	1169.402	ug/l #	28
14) Allyl chloride	2.11	41	902	122.720	ug/l #	60
15) Acrylonitrile	2.93	53	62	58.922	ug/l #	18
16) Acetone	2.23	43	334	303.697	ug/l #	46
17) Carbon Disulfide	1.81	76	65	3.452	ug/l #	73
18) Methyl Acetate	2.23	43	281	113.419	ug/l	93
19) Methyl tert-butyl Ether	2.37	73	154	15.044	ug/l #	1
20) Methylene Chloride	2.17	84	134	21.291	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	150	23.037	ug/l #	1
22) Diisopropyl ether	2.80	45	248	14.056	ug/l #	38
23) Vinyl Acetate	3.25	43	706	81.927	ug/l #	74
24) 1,1-Dichloroethane	2.82	63	61	5.713	ug/l #	86
25) 2-Butanone	4.33	43	99	41.211	ug/l #	55
26) 2,2-Dichloropropane	3.61	77	77	17.026	ug/l #	52
27) cis-1,2-Dichloroethene	3.54	96	69	8.073	ug/l	1
29) Tetrahydrofuran	4.07	42	180	164.858	ug/l #	33
30) Chloroform	3.78	83	91	7.494	ug/l #	18
31) Cyclohexane	3.64	56	83	7.181	ug/l #	16
36) 1,1-Dichloropropene	4.12	75	97	9.921	ug/l #	37
37) Ethyl Acetate	4.13	43	99	21.800	ug/l #	30
40) Benzene	4.74	78	74	2.894	ug/l #	52
41) Methacrylonitrile	4.75	41	230	99.033	ug/l #	25
43) Isopropyl Acetate	6.92	43	299	55.622	ug/l #	43
45) 1,2-Dichloropropane	6.24	63	63	10.191	ug/l #	44
46) Dibromomethane	5.99	93	102	26.798	ug/l #	1
48) Methyl methacrylate	6.68	41	143	44.204	ug/l #	17

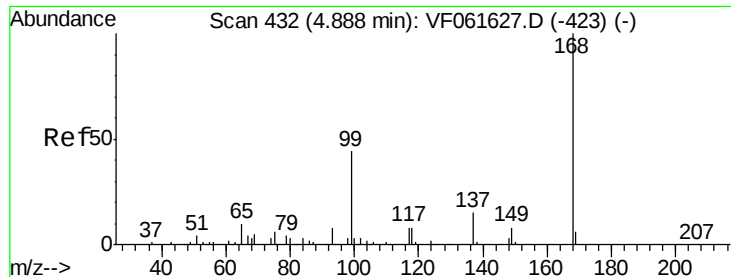
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) 1,4-Dioxane	6.57	88	62	2038.784	ug/l #	20
51) 4-Methyl-2-Pentanone	8.24	43	59	15.361	ug/l #	34
54) cis-1,3-Dichloropropene	7.43	75	70	7.576	ug/l #	22
56) Ethyl methacrylate	8.46	69	60	11.826	ug/l #	26
58) 2-Chloroethyl Vinyl ether	7.27	63	60	68.540	ug/l #	44
59) 2-Hexanone	9.50	43	105	38.998	ug/l #	23
65) Chlorobenzene	9.91	112	67	9.515	ug/l #	42

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

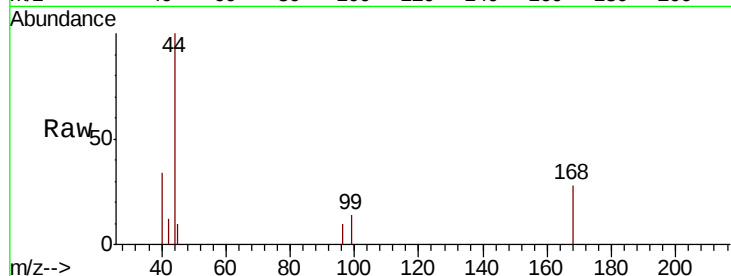
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 168 Resp: 699

Ion Ratio Lower Upper

168 100

99 50.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

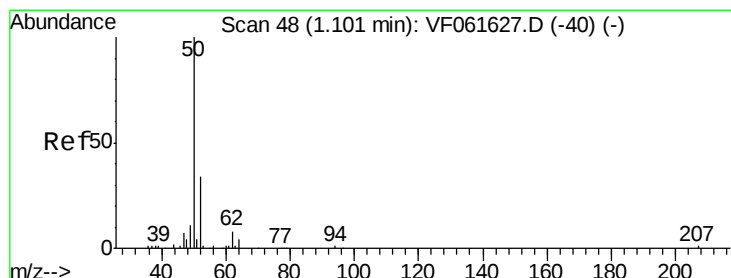
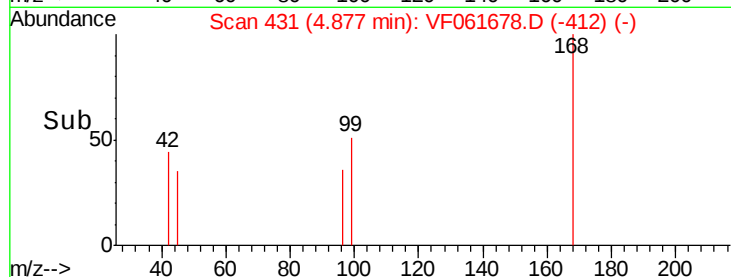
300

200

100

0

Time--> 4.80 4.85 4.90



#3

Chloromethane

Concen: 19.235 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061678.D

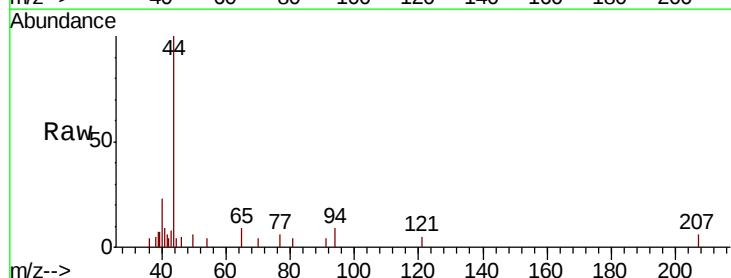
Acq: 18 Feb 2019 15:03

Tgt Ion: 50 Resp: 162

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

1.10

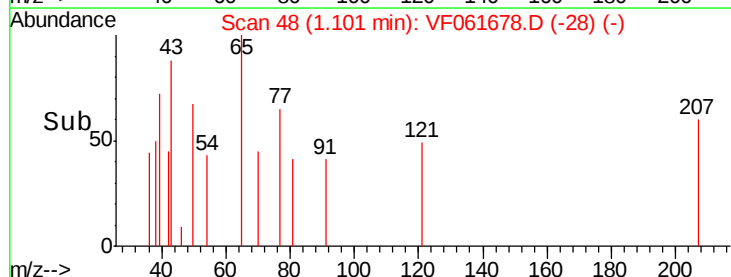
150

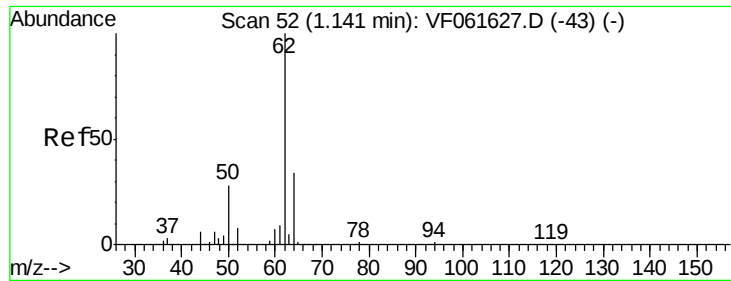
100

50

0

Time--> 1.08 1.10 1.12





#4

Vinyl Chloride

Concen: 10.090 ug/l

RT: 1.22 min Scan# 60

Delta R.T. 0.08 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

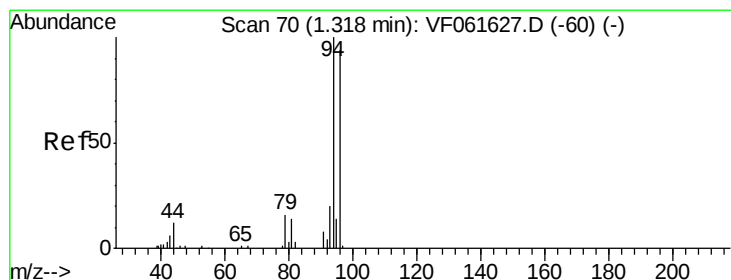
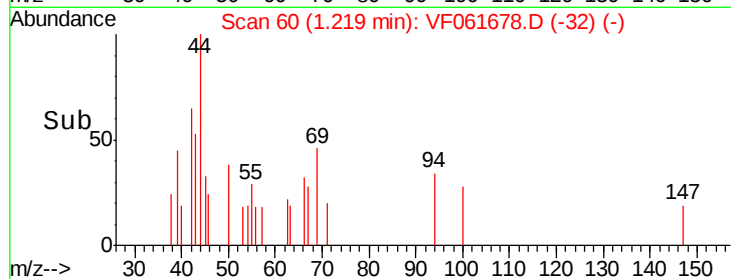
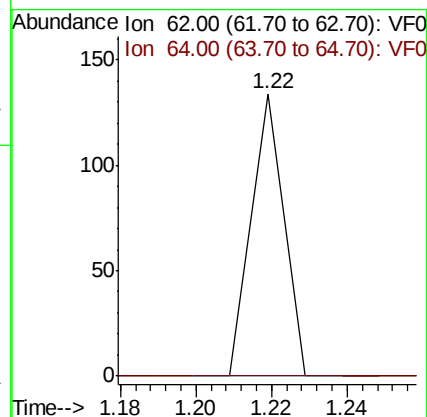
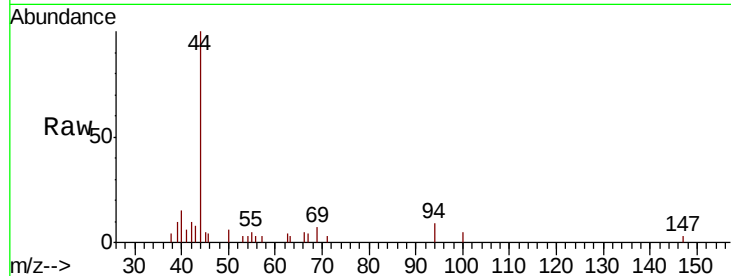
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 62 Resp: 79

Ion Ratio Lower Upper

62 100

64 0.0 27.5 41.3#



#5

Bromomethane

Concen: 66.064 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.03 min

Lab File: VF061678.D

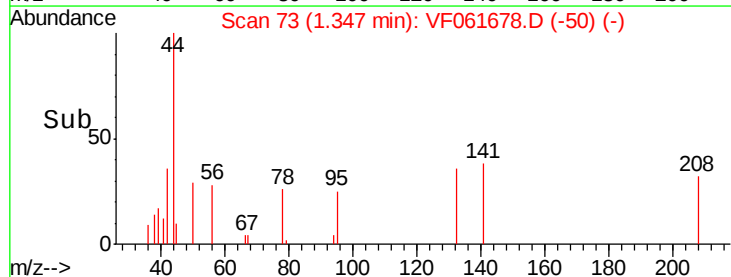
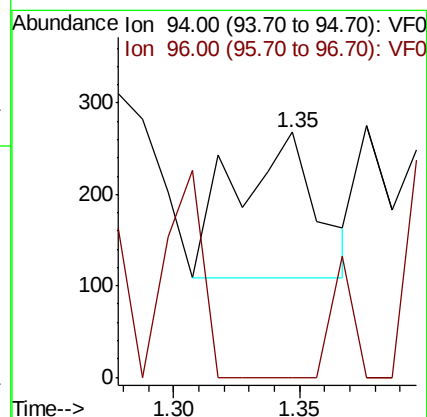
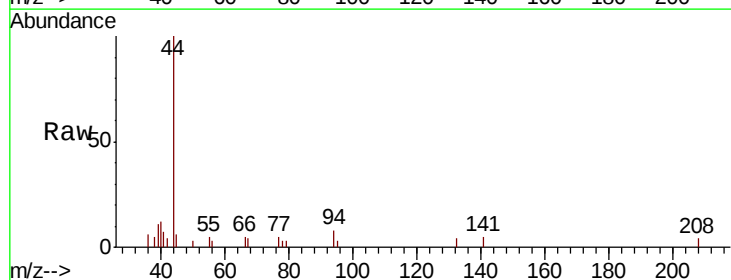
Acq: 18 Feb 2019 15:03

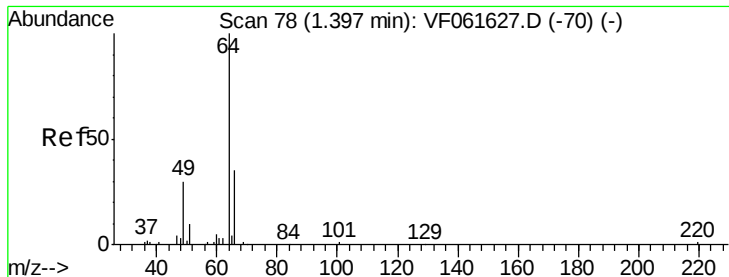
Tgt Ion: 94 Resp: 356

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#





#6

Chloroethane

Concen: 19.178 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.09 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

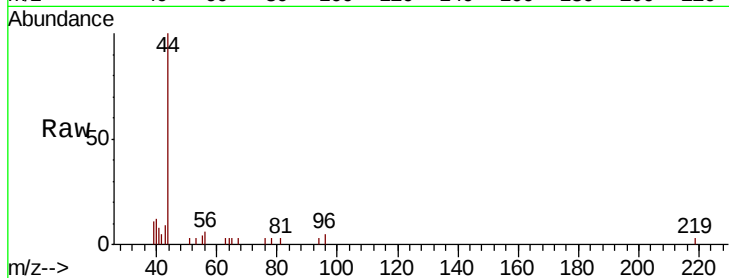
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

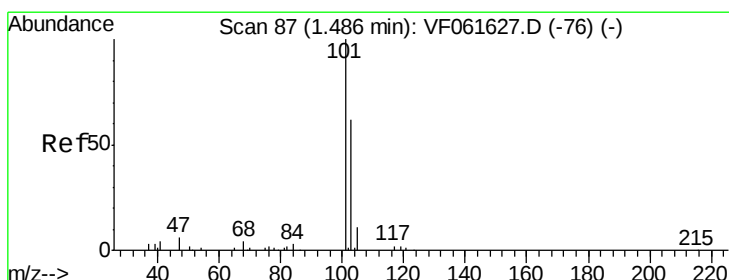
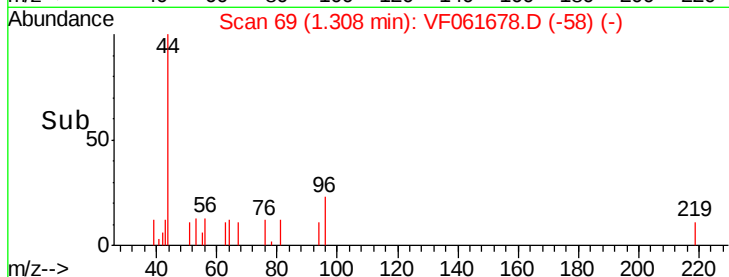
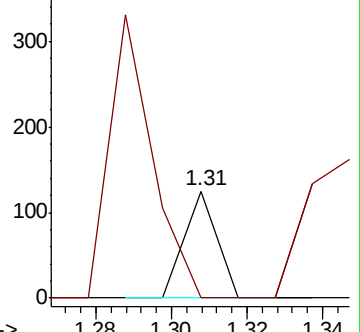
64 100

66 0.0 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#7

Trichlorofluoromethane

Concen: 6.883 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF061678.D

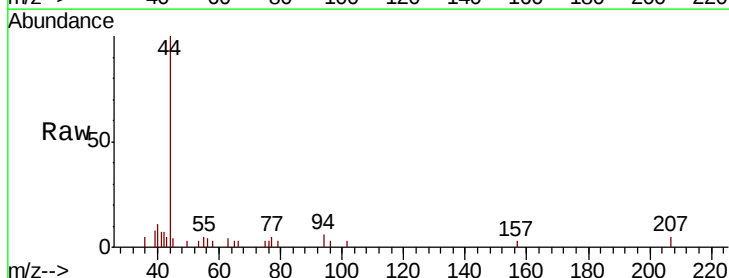
Acq: 18 Feb 2019 15:03

Tgt Ion: 101 Resp: 65

Ion Ratio Lower Upper

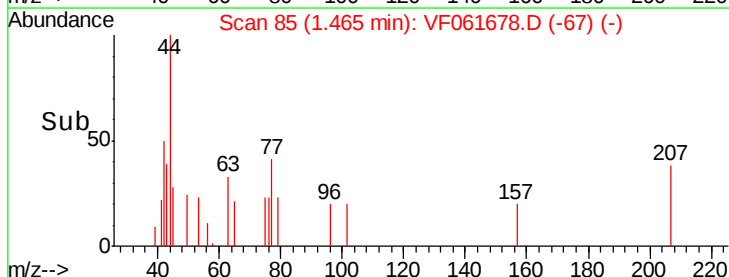
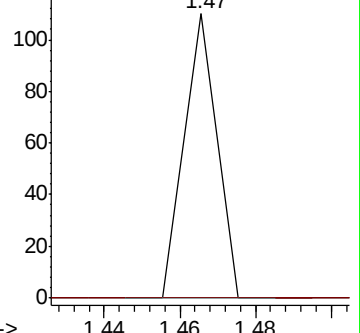
101 100

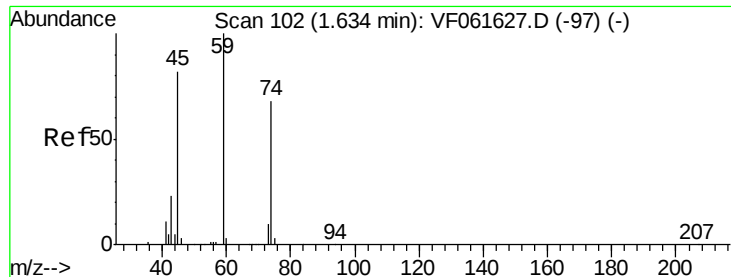
103 0.0 49.3 73.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

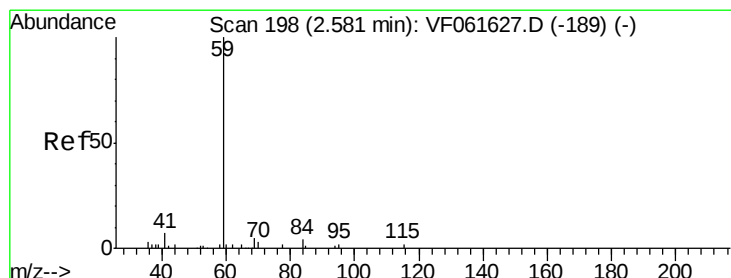
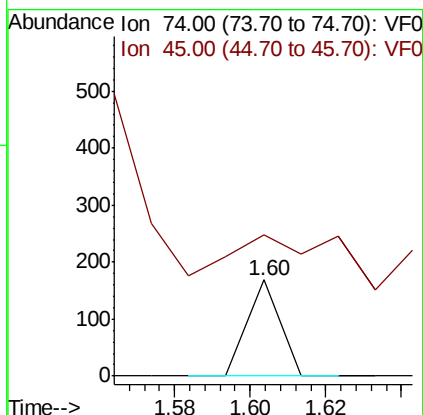
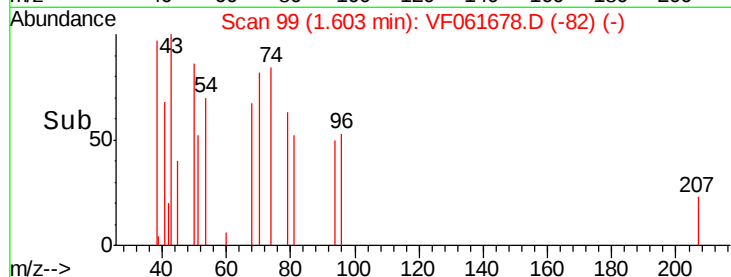
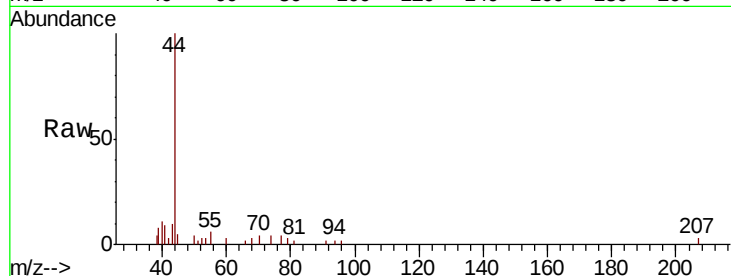




#8
Diethyl Ether
Concen: 42.019 ug/l
RT: 1.60 min Scan# 99
Delta R.T. -0.03 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

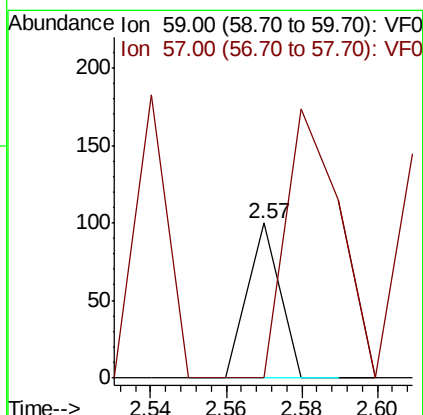
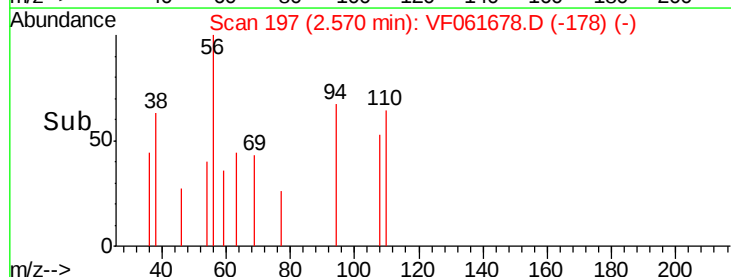
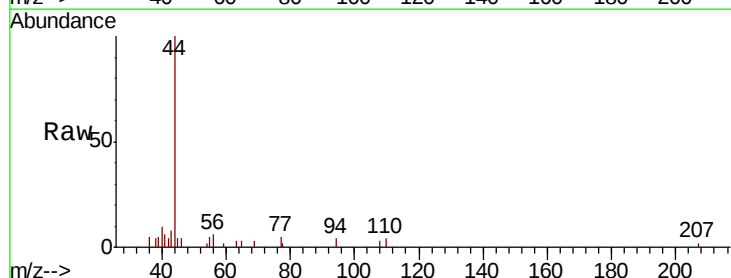
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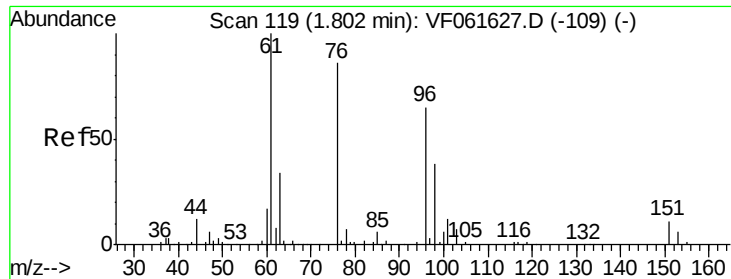
Tgt Ion: 74 Resp: 100
Ion Ratio Lower Upper
74 100
45 146.7 60.8 182.3



#11
Tert butyl alcohol
Concen: 198.886 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 12.5 18.7#





#12

1,1-Dichloroethene

Concen: 11.520 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.03 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

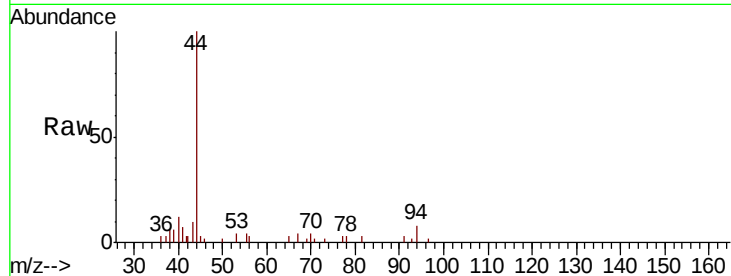
Tgt Ion: 96 Resp: 69

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

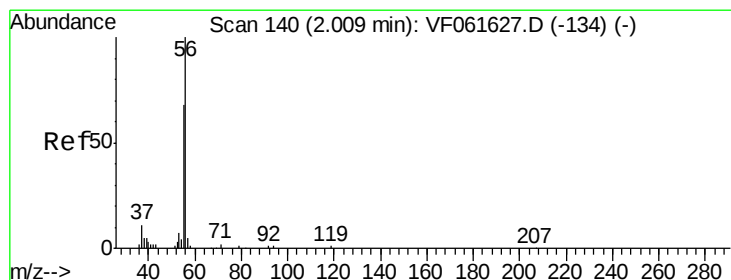
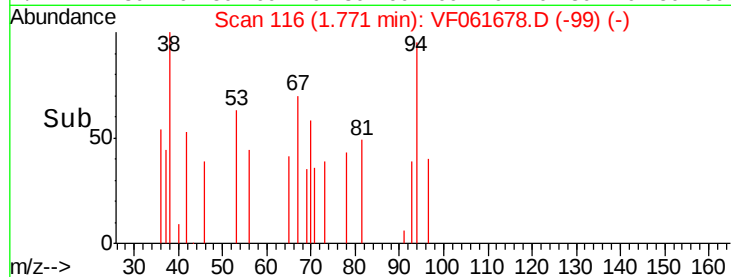
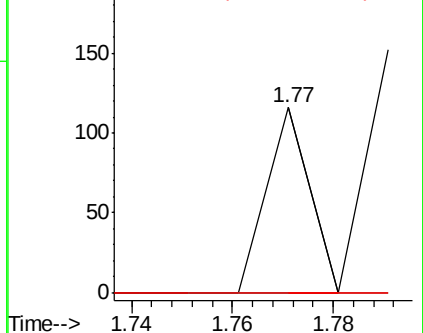
98 0.0 47.2 70.8#



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: 1169.402 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061678.D

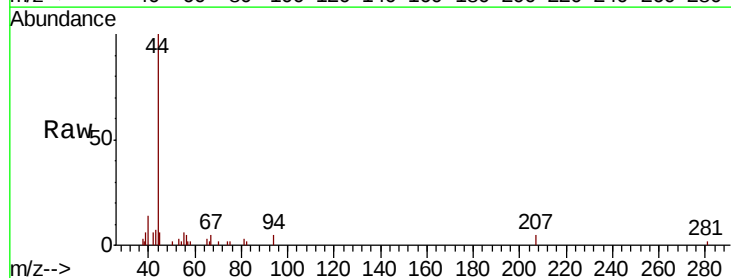
Acq: 18 Feb 2019 15:03

Tgt Ion: 56 Resp: 436

Ion Ratio Lower Upper

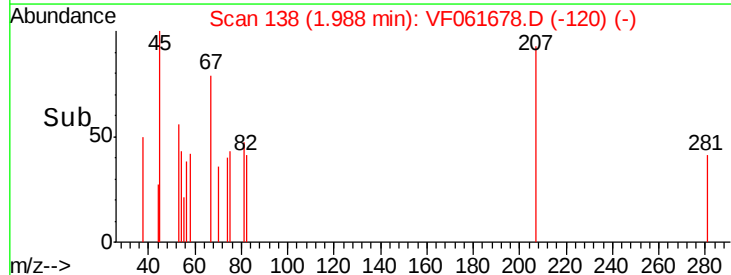
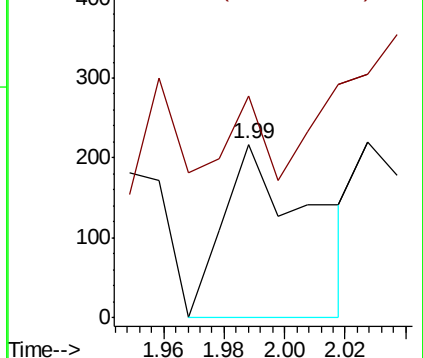
56 100

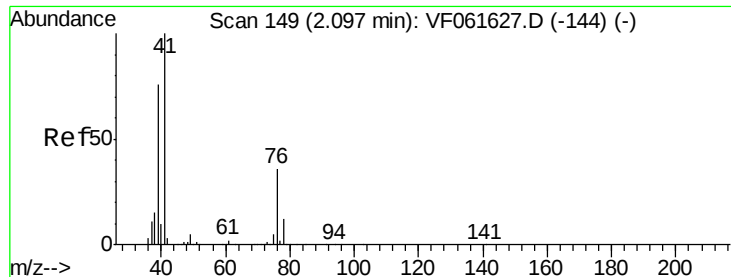
55 127.6 55.0 82.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allyl chloride

Concen: 122.720 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

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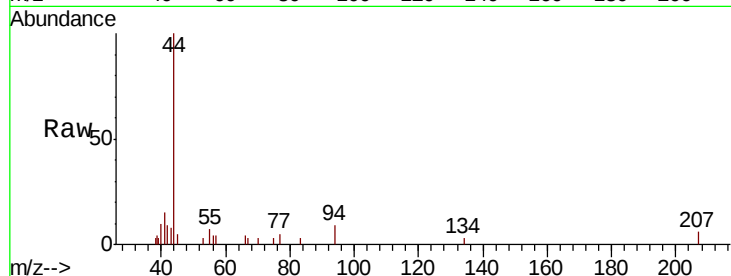
Tgt Ion: 41 Resp: 902

Ion Ratio Lower Upper

41 100

39 52.0 61.6 92.4#

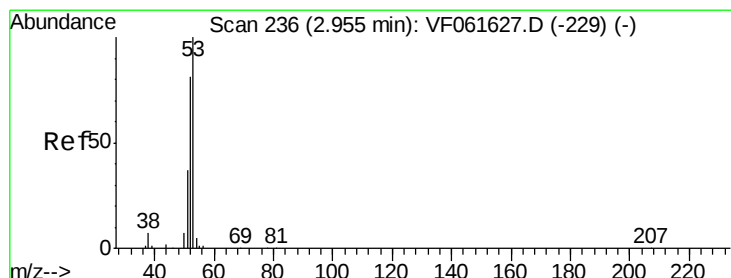
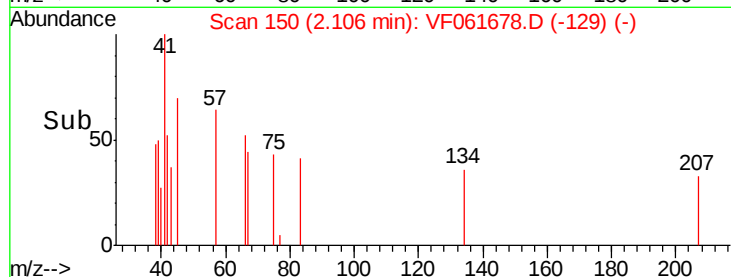
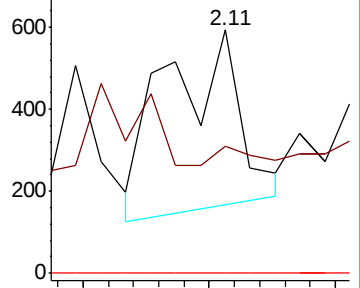
76 0.0 30.3 45.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 58.922 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

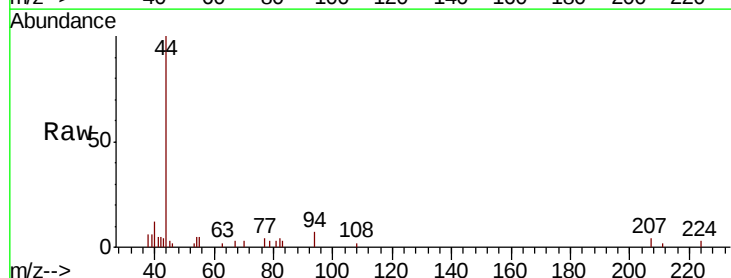
Tgt Ion: 53 Resp: 62

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

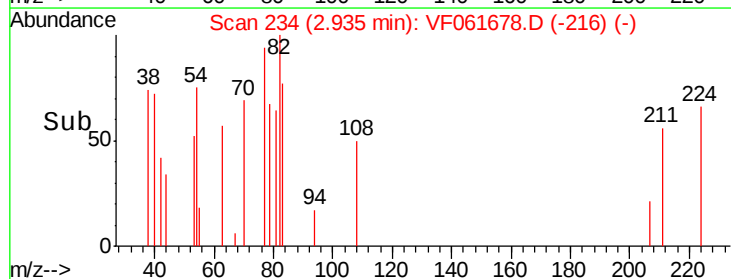
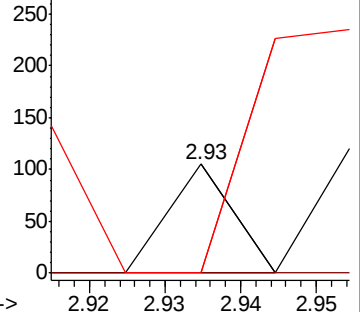
51 0.0 29.8 44.8#

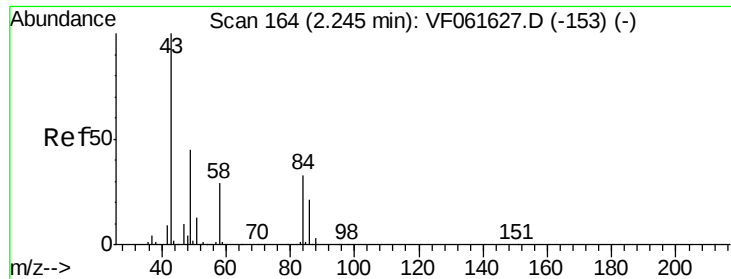


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

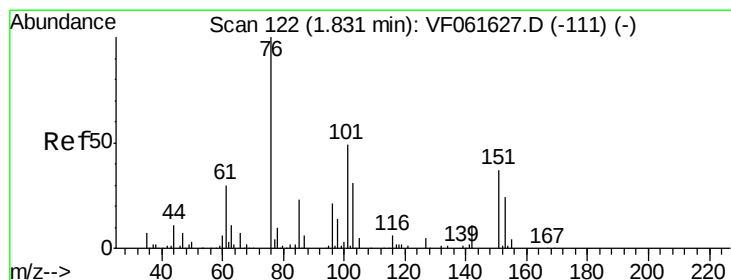
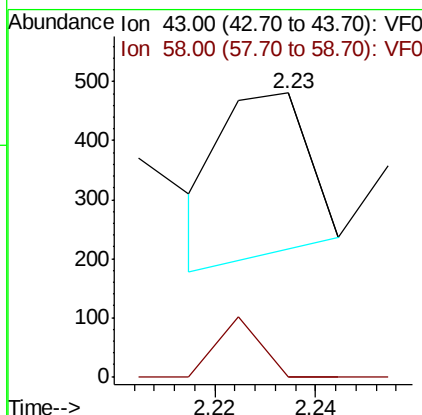
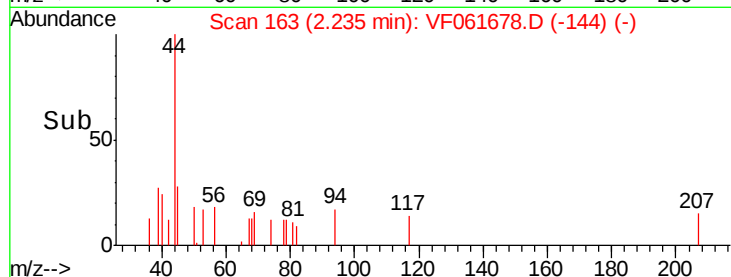
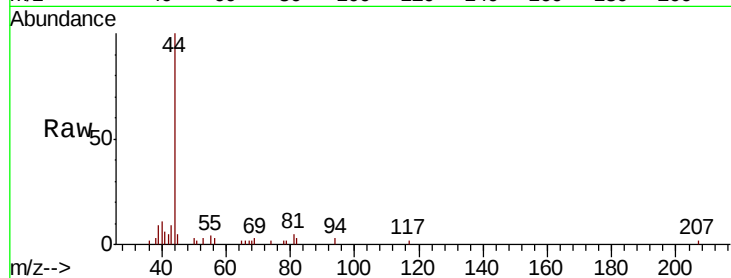




#16
Acetone
Concen: 303.697 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

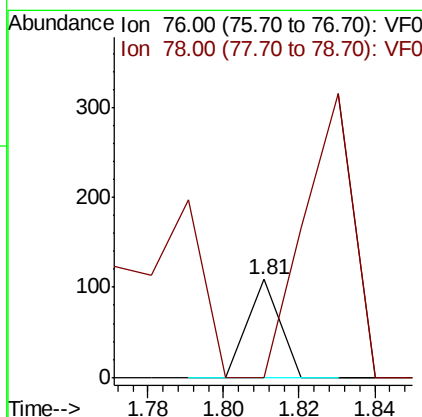
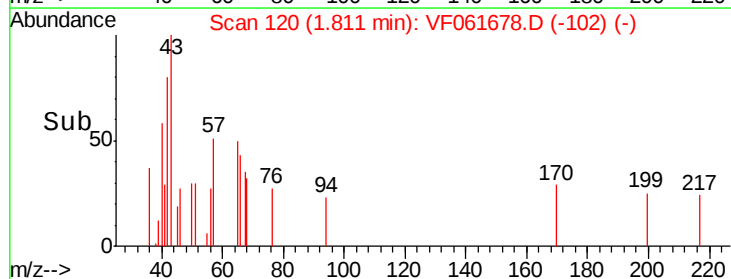
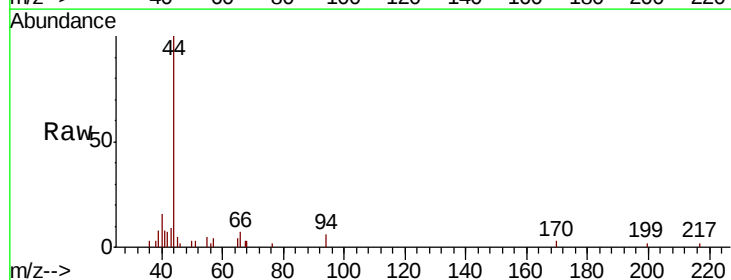
Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

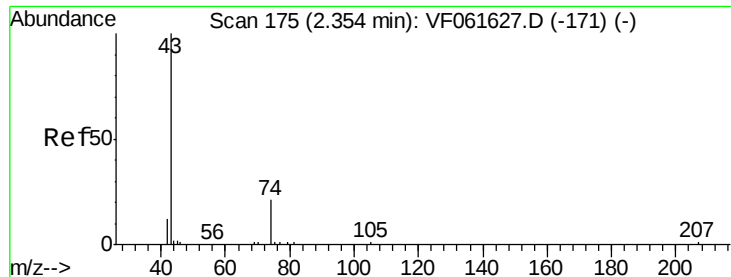
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#17
Carbon Disulfide
Concen: 3.452 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
78 0.0 7.9 11.9#

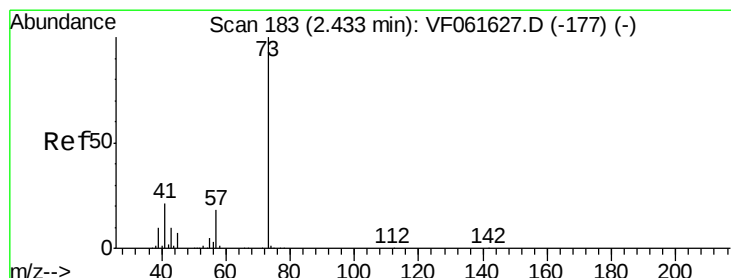
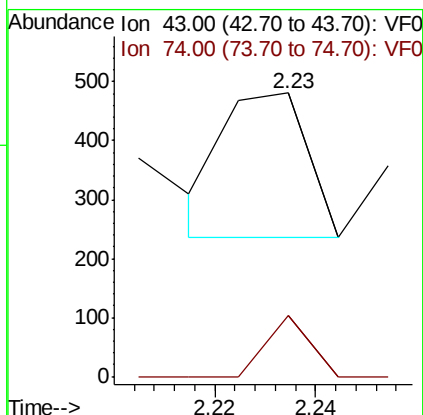
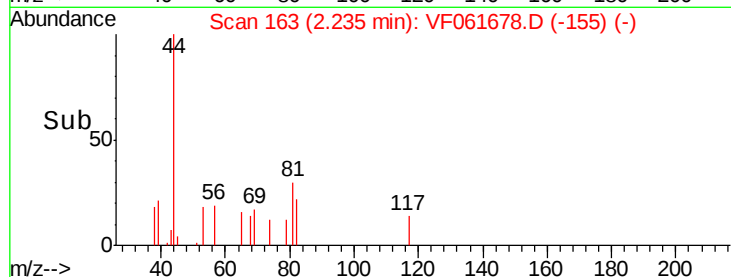
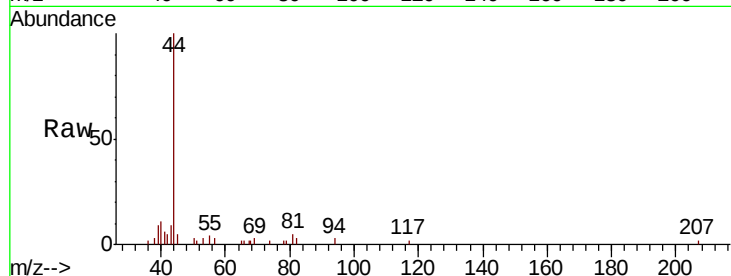




#18
Methyl Acetate
Concen: 113.419 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.12 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

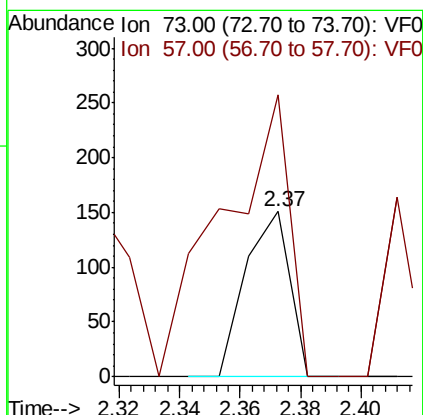
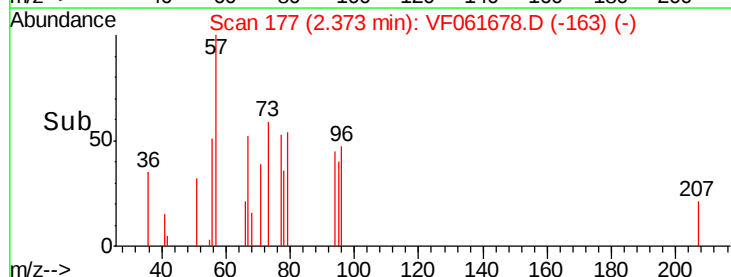
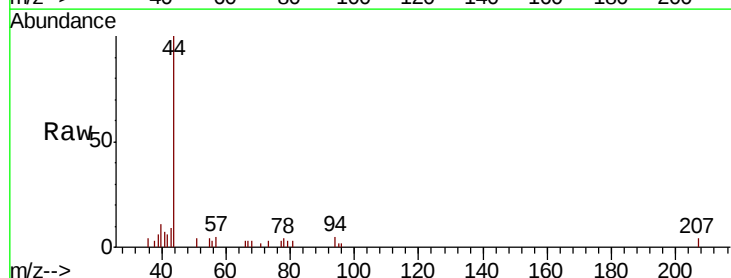
Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

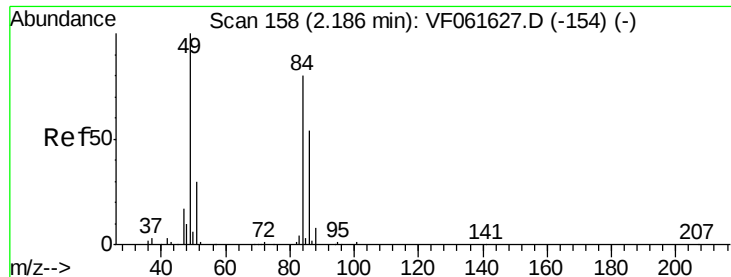
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
74 21.4 14.6 21.8



#19
Methyl tert-butyl Ether
Concen: 15.044 ug/l
RT: 2.37 min Scan# 177
Delta R.T. -0.06 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion: 73 Resp: 154
Ion Ratio Lower Upper
73 100
57 170.9 15.8 23.8#





#20

Methylene Chloride

Concen: 21.291 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 84 Resp: 134

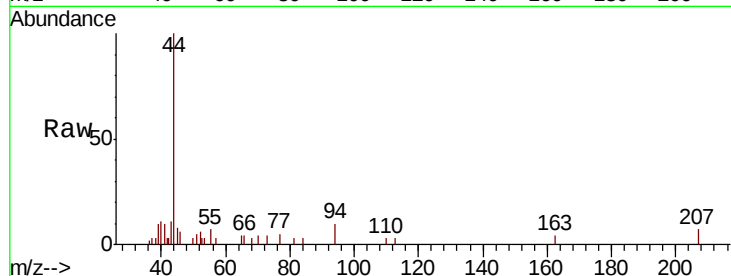
Ion Ratio Lower Upper

84 100

49 0.0 101.8 152.8#

51 167.2 31.1 46.7#

86 0.0 54.4 81.6#



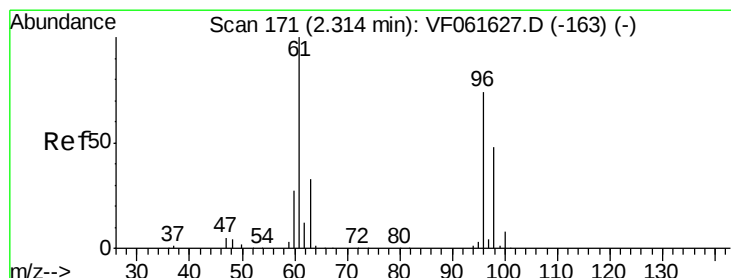
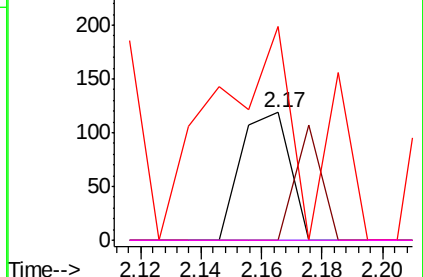
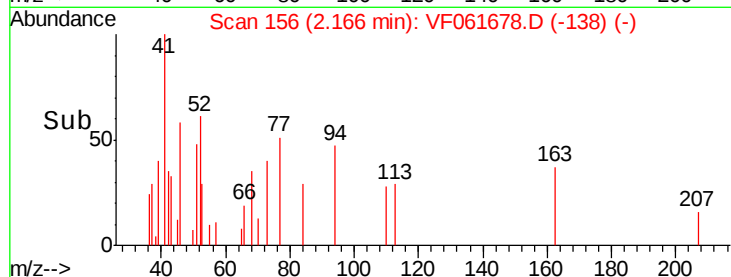
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

Time-->



#21

trans-1,2-Dichloroethene

Concen: 23.037 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

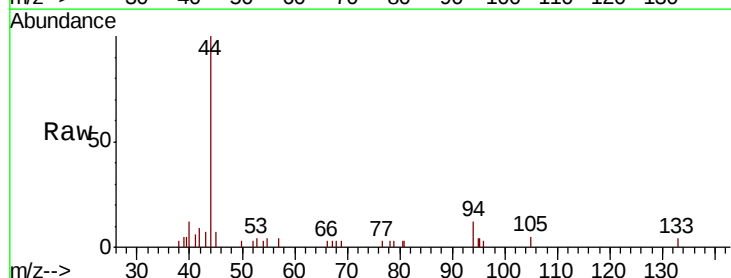
Tgt Ion: 96 Resp: 150

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

98 0.0 52.2 78.2#

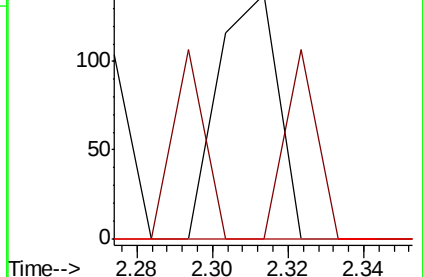
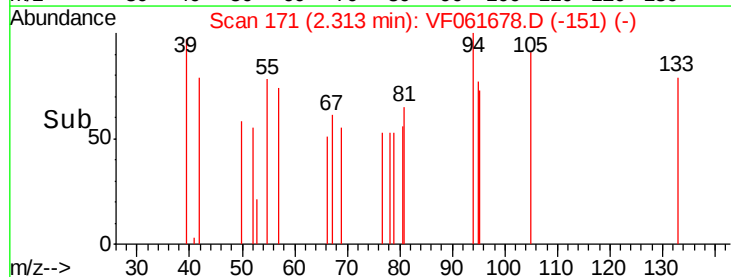


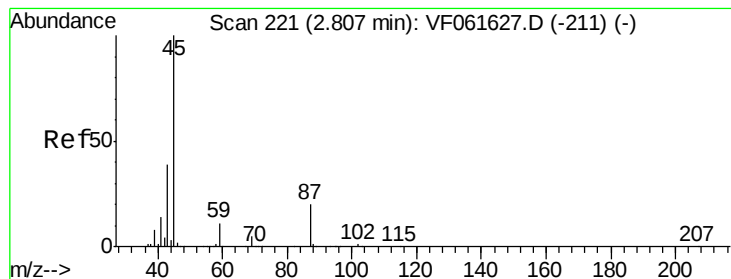
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->





#22

Diisopropyl ether

Concen: 14.056 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 45 Resp: 248

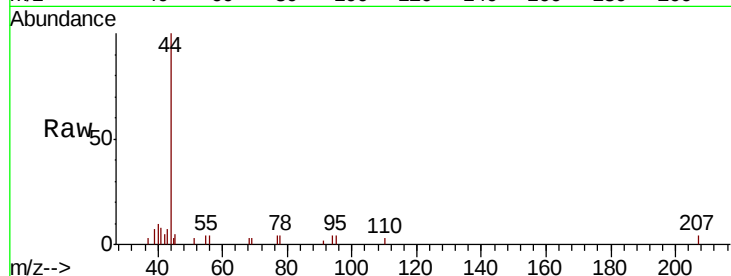
Ion Ratio Lower Upper

45 100

43 89.2 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

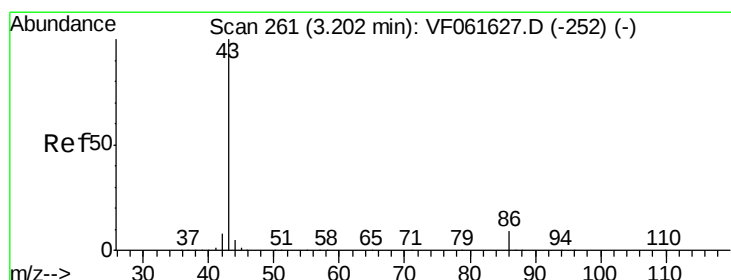
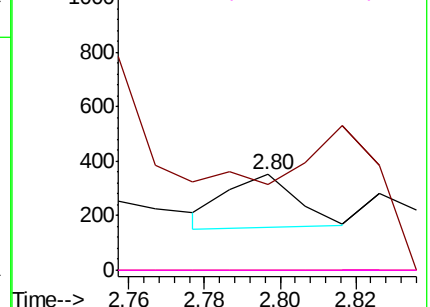
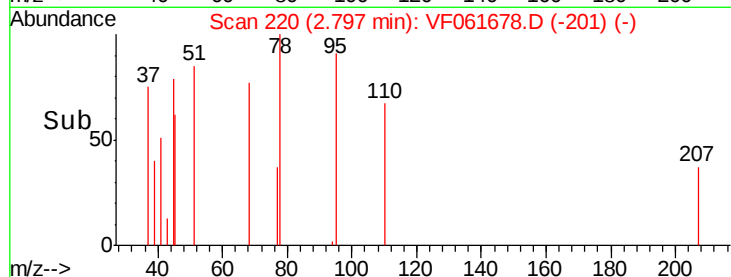


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 81.927 ug/l

RT: 3.25 min Scan# 266

Delta R.T. 0.05 min

Lab File: VF061678.D

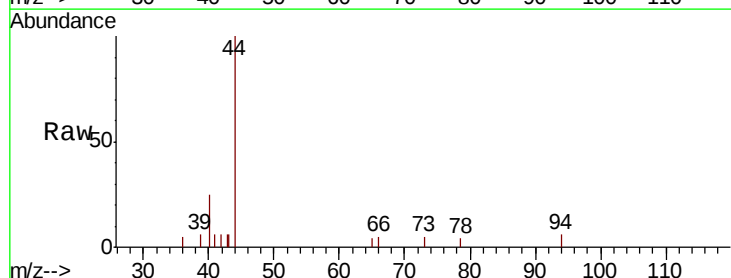
Acq: 18 Feb 2019 15:03

Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

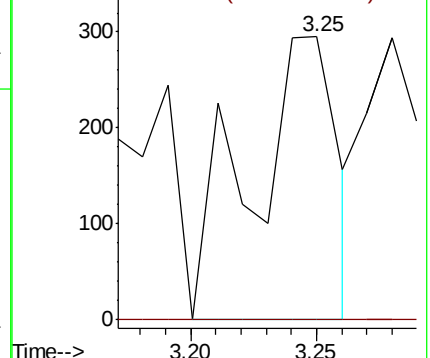
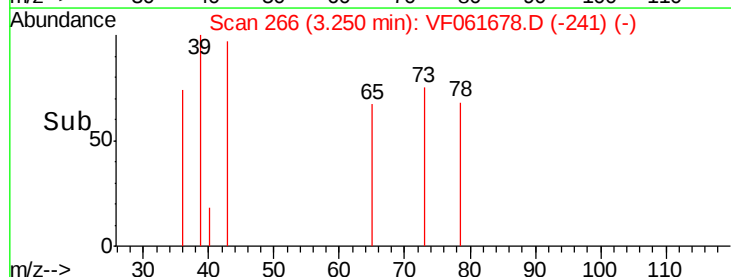
43 100

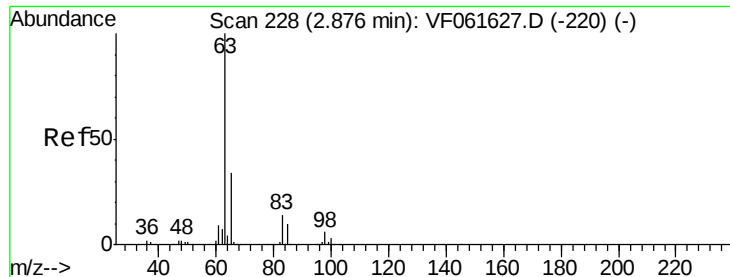
86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 5.713 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.06 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

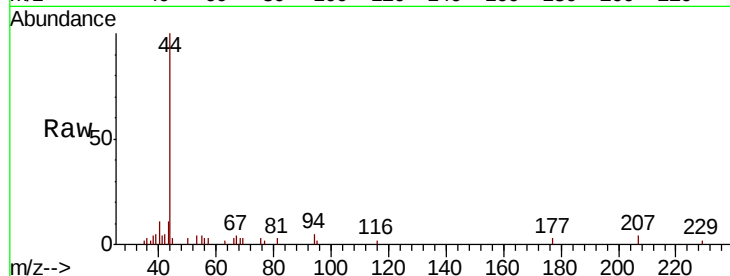
Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

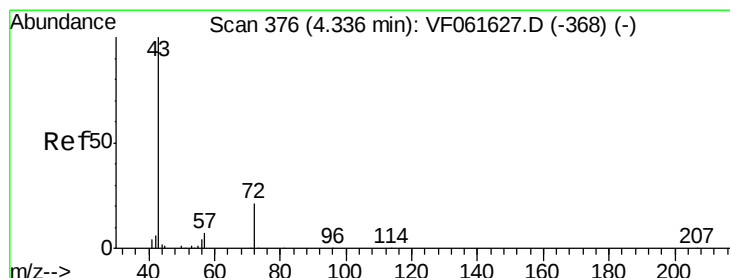
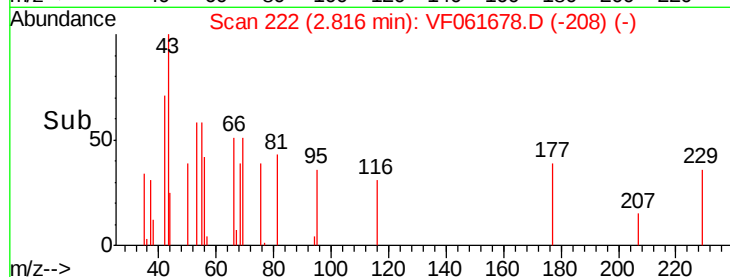
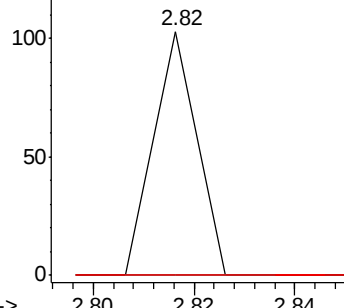
100 0.0 1.8 5.4#



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: 41.211 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061678.D

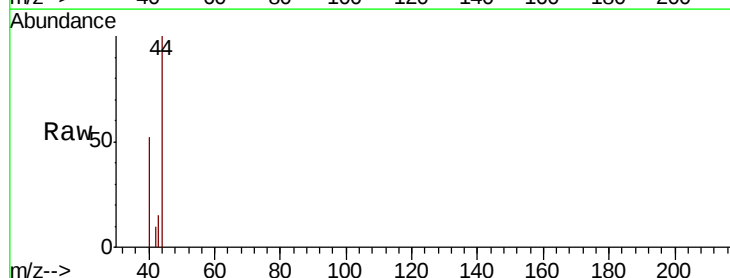
Acq: 18 Feb 2019 15:03

Tgt Ion: 43 Resp: 99

Ion Ratio Lower Upper

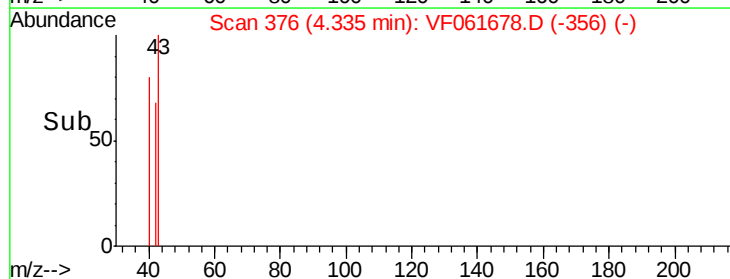
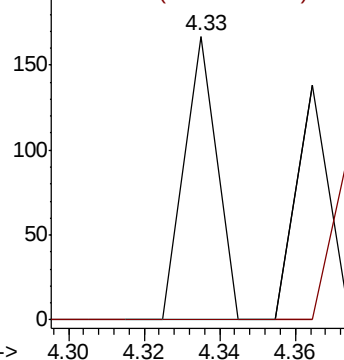
43 100

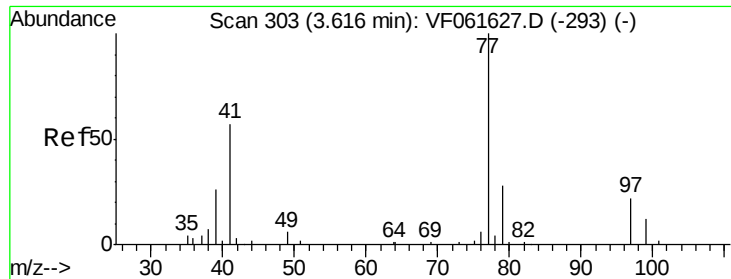
72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 17.026 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

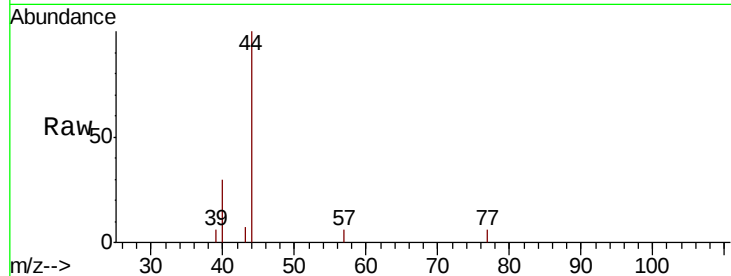
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 77 Resp: 77

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

150

100

50

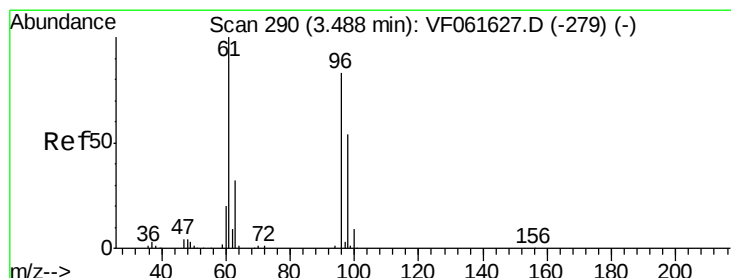
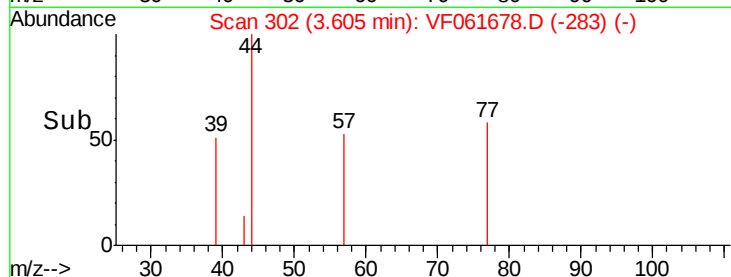
0

3.58

3.60

3.62

Time-->



#27

cis-1,2-Dichloroethene

Concen: 8.073 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.05 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

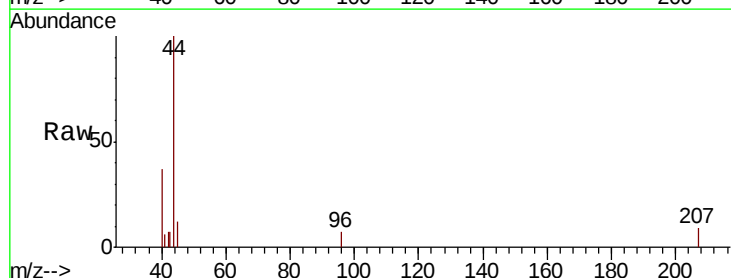
Tgt Ion: 96 Resp: 69

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

150

100

50

0

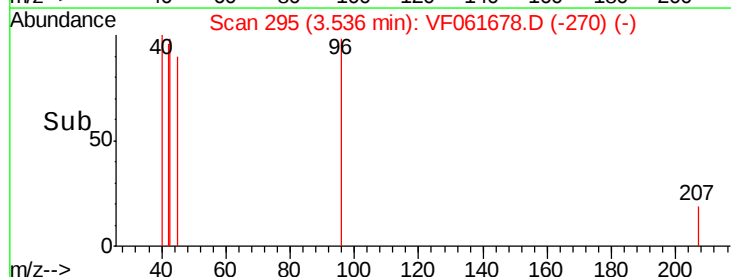
3.50

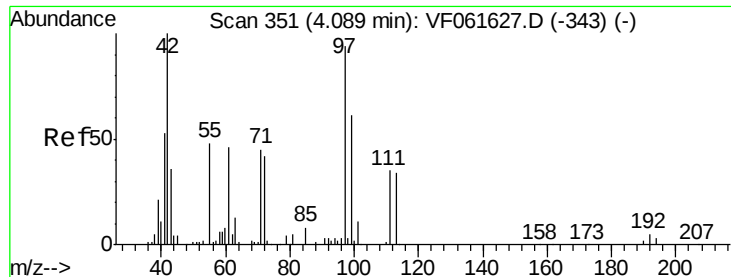
3.52

3.54

3.56

Time-->

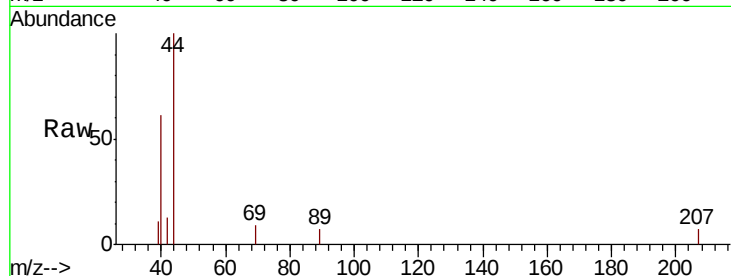




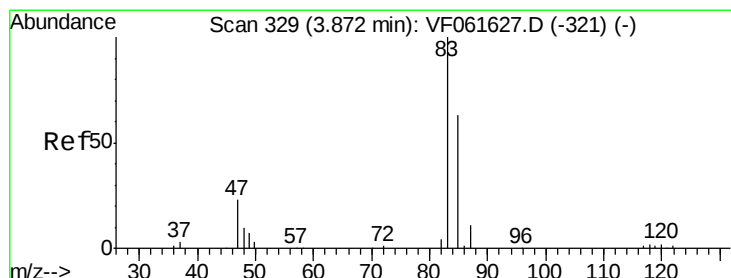
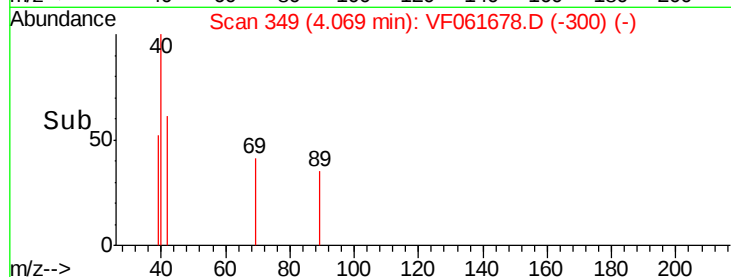
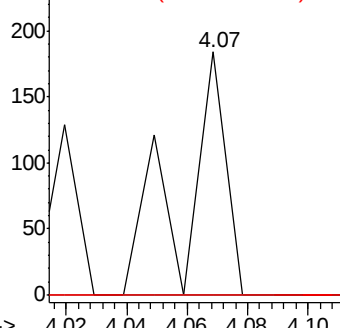
#29
Tetrahydrofuran
Concen: 164.858 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 42 Resp: 180
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 32.9 49.3#

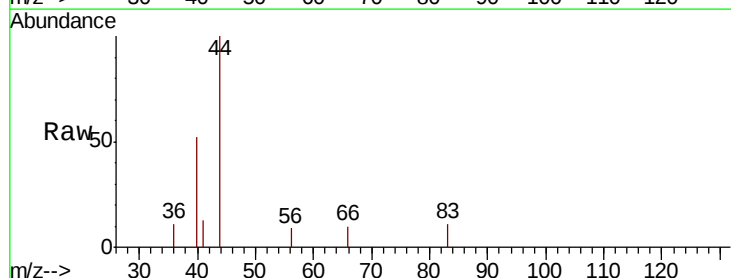


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

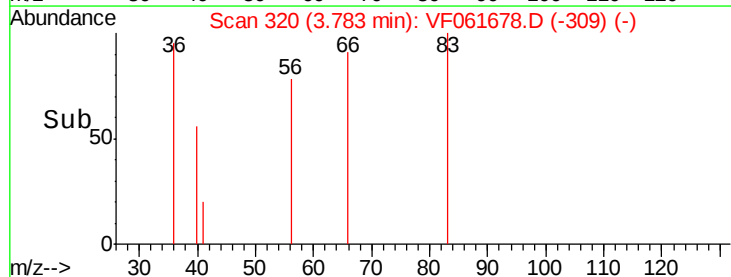
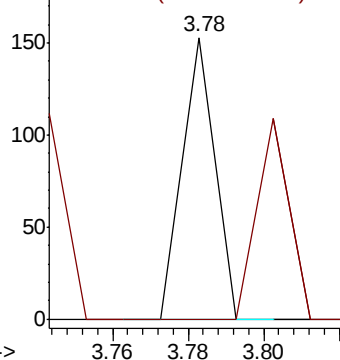


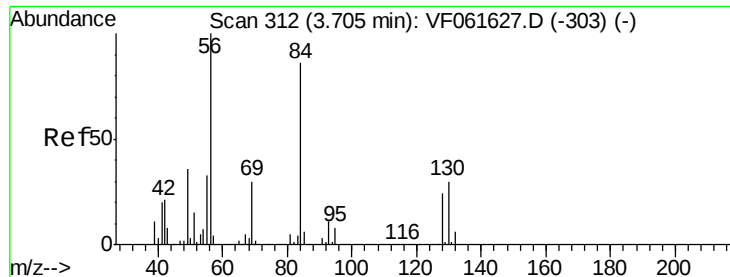
#30
Chloroform
Concen: 7.494 ug/l
RT: 3.78 min Scan# 320
Delta R.T. -0.09 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion: 83 Resp: 91
Ion Ratio Lower Upper
83 100
85 0.0 51.1 76.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

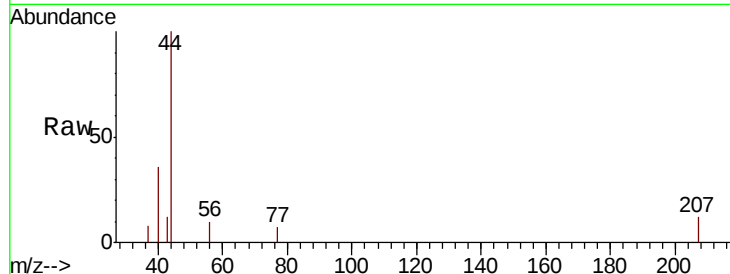




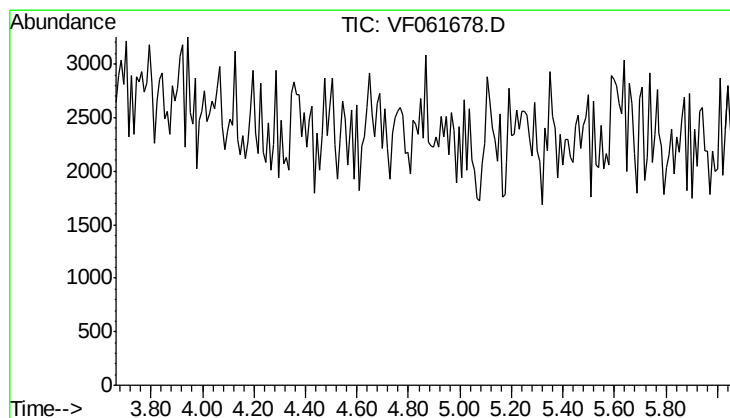
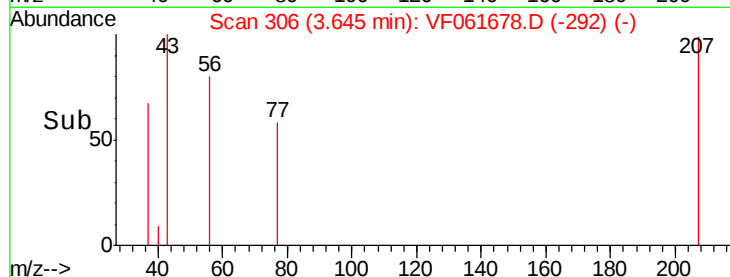
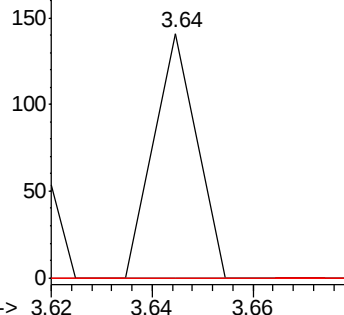
#31
Cyclohexane
Concen: 7.181 ug/l
RT: 3.64 min Scan# 306
Delta R.T. -0.06 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
69 0.0 23.8 35.8#
84 0.0 68.6 103.0#



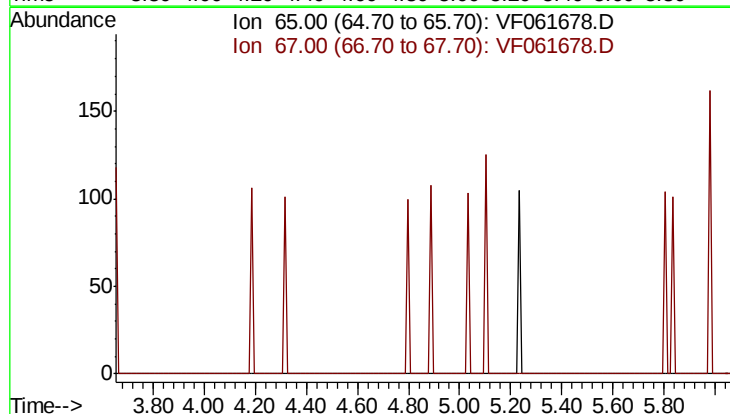
Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

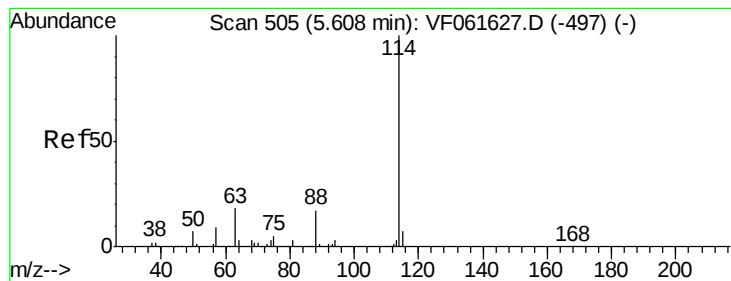


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 4.86 min

Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion: 65
Sig Exp Ratio
65 100
67 52.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

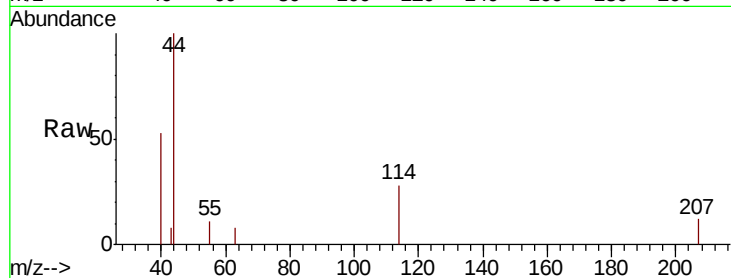
Tgt Ion:114 Resp: 987

Ion Ratio Lower Upper

114 100

63 27.9 0.0 36.6

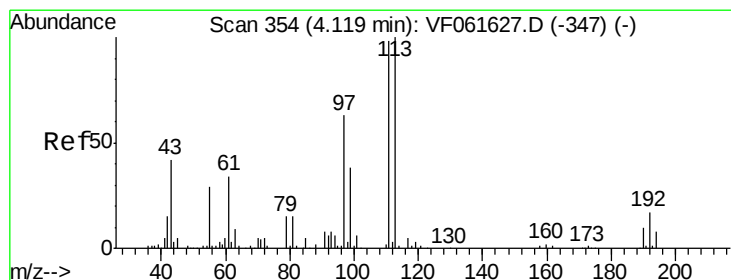
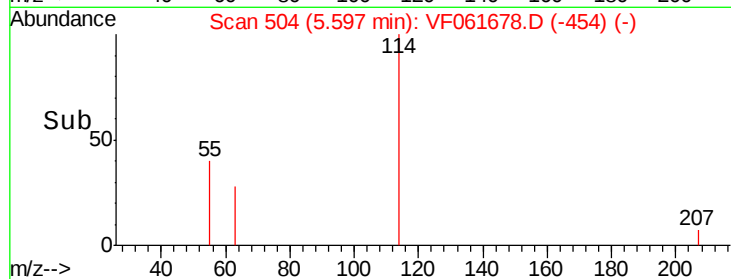
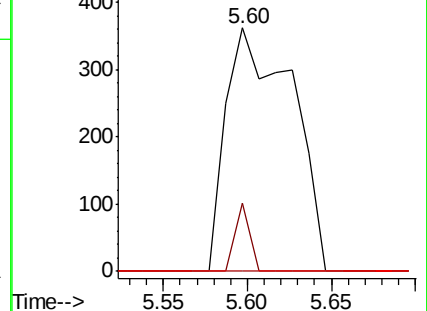
88 0.0 0.0 34.4



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



#35

Dibromofluoromethane

Concen: 9.960 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

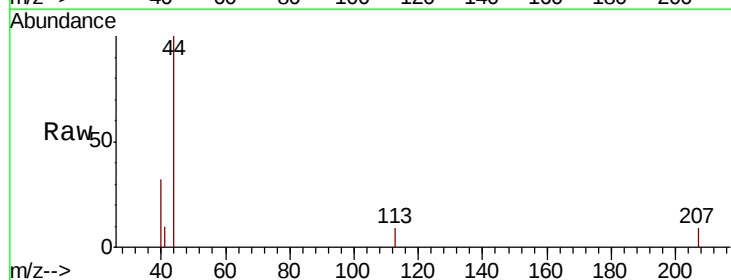
Tgt Ion:113 Resp: 73

Ion Ratio Lower Upper

113 100

111 0.0 78.8 118.2#

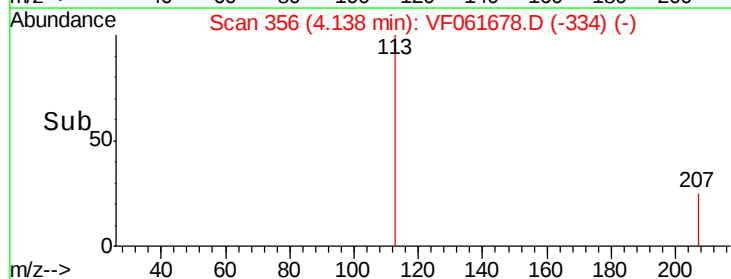
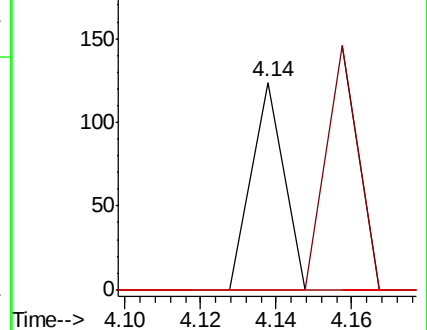
192 0.0 13.4 20.0#

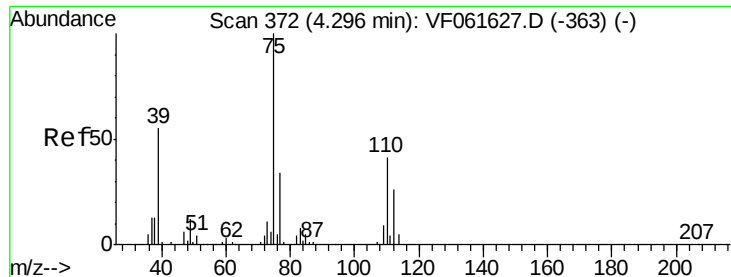


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 9.921 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.18 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

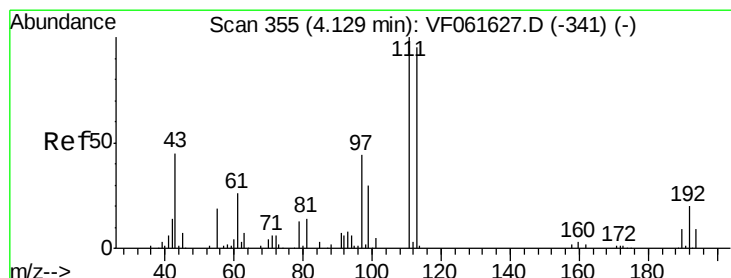
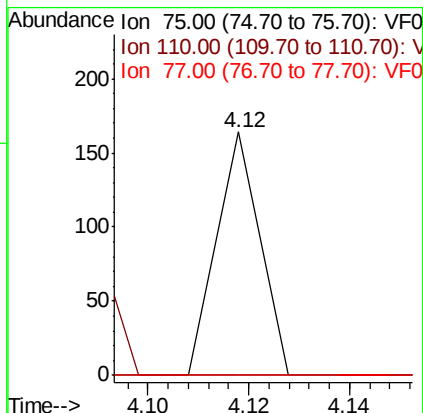
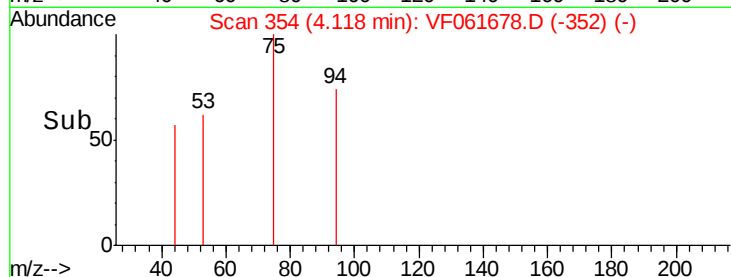
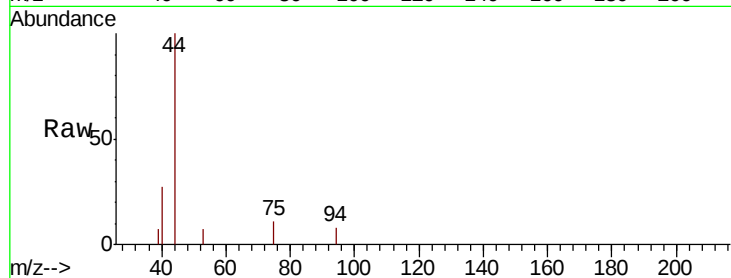
Tgt Ion: 75 Resp: 97

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

77 0.0 27.0 40.4#



#37

Ethyl Acetate

Concen: 21.800 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

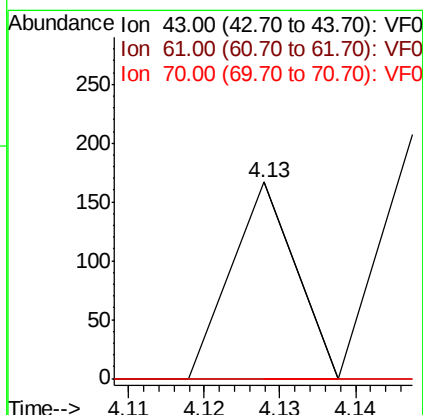
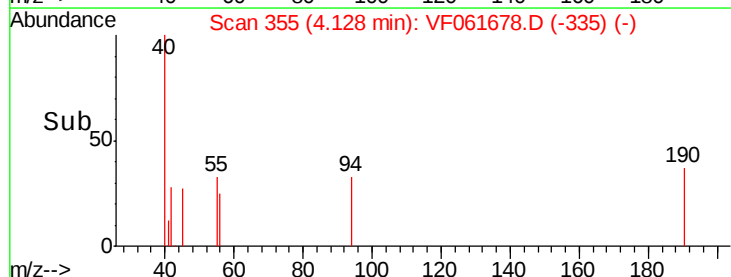
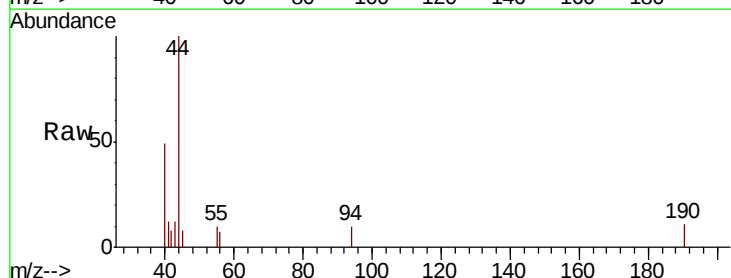
Tgt Ion: 43 Resp: 99

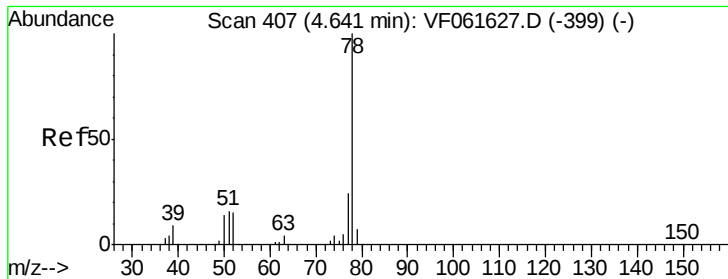
Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

70 0.0 8.5 12.7#





#40

Benzene

Concen: 2.894 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.10 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

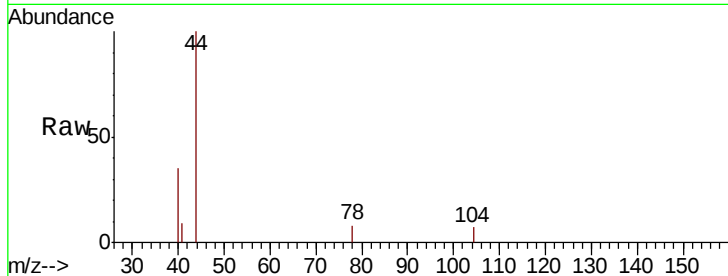
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 78 Resp: 74

Ion Ratio Lower Upper

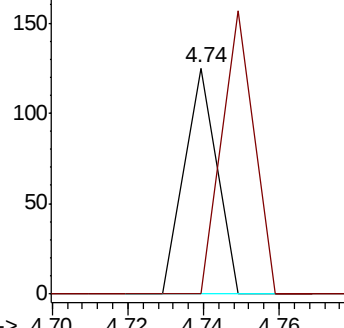
78 100

77 0.0 19.0 28.6#

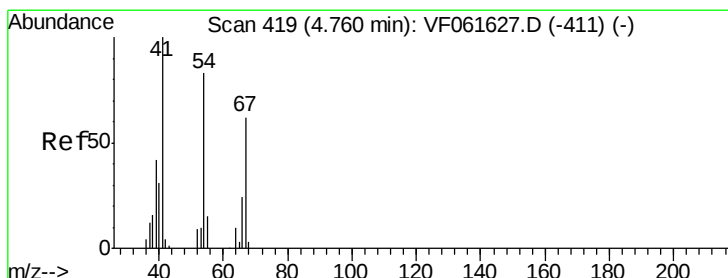
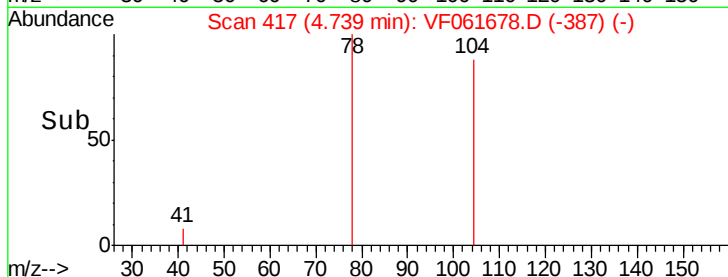


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 4.70 4.72 4.74 4.76



#41

Methacrylonitrile

Concen: 99.033 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Tgt Ion: 41 Resp: 230

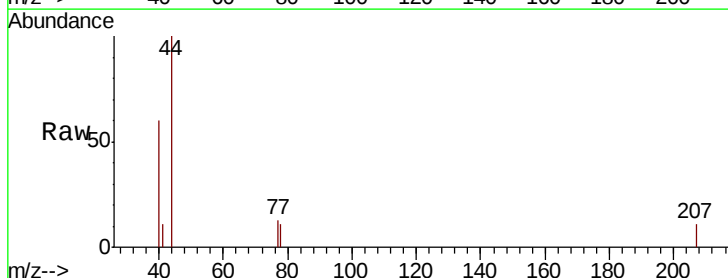
Ion Ratio Lower Upper

41 100

39 0.0 45.3 67.9#

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#

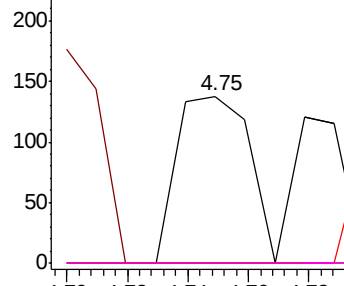


Abundance Ion 41.00 (40.70 to 41.70): VF0

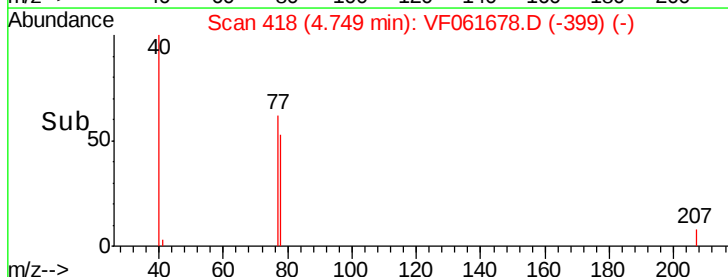
Ion 39.00 (38.70 to 39.70): VF0

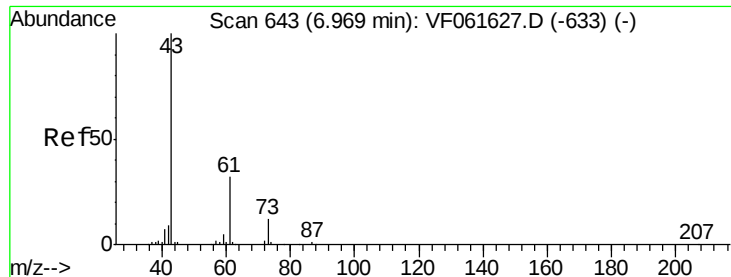
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time--> 4.70 4.72 4.74 4.76 4.78



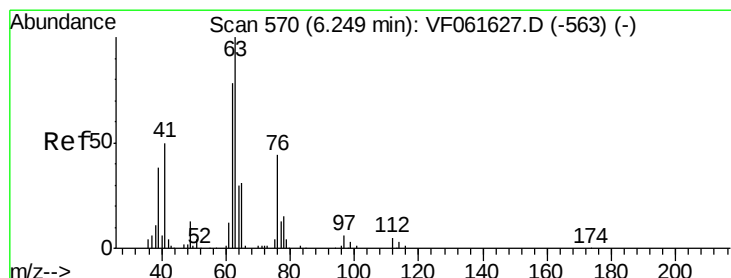
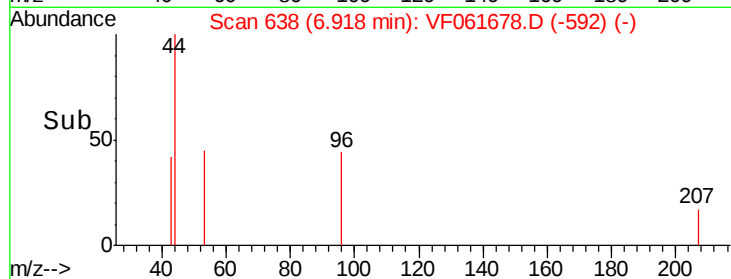
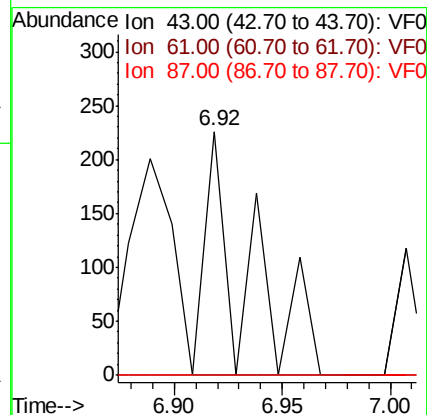
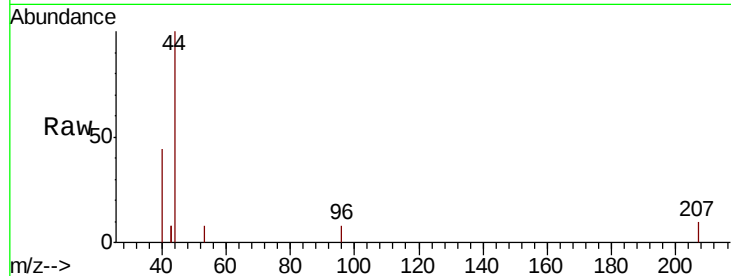


#43

Isopropyl Acetate
 Concen: 55.622 ug/l
 RT: 6.92 min Scan# 638
 Delta R.T. -0.05 min
 Lab File: VF061678.D
 Acq: 18 Feb 2019 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-5

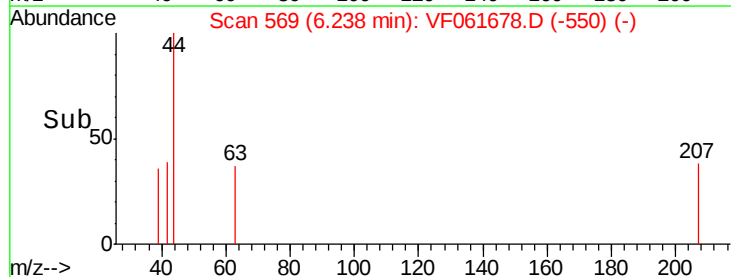
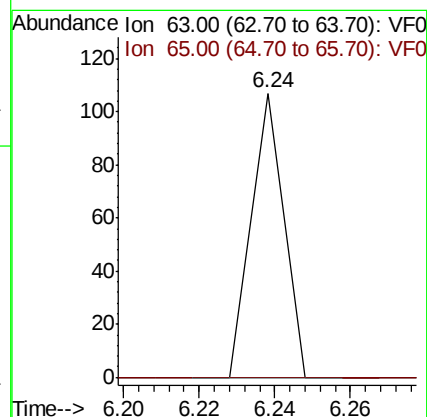
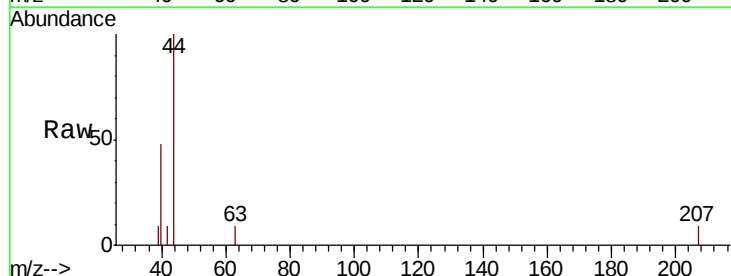
Tgt Ion: 43 Resp: 299
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.8 38.6#
 87 0.0 0.4 0.6#

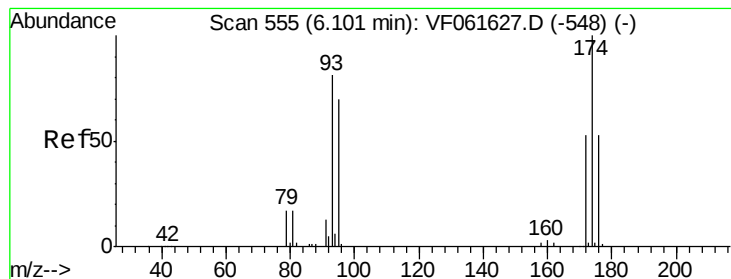


#45

1,2-Dichloropropane
 Concen: 10.191 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF061678.D
 Acq: 18 Feb 2019 15:03

Tgt Ion: 63 Resp: 63
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#





#46

Dibromomethane

Concen: 26.798 ug/l

RT: 5.99 min Scan# 544

Delta R.T. -0.11 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

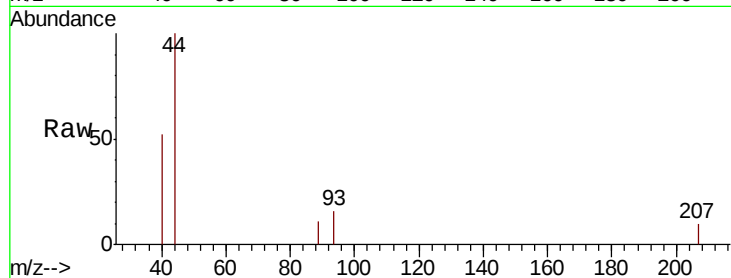
Tgt Ion: 93 Resp: 102

Ion Ratio Lower Upper

93 100

95 0.0 69.0 103.6#

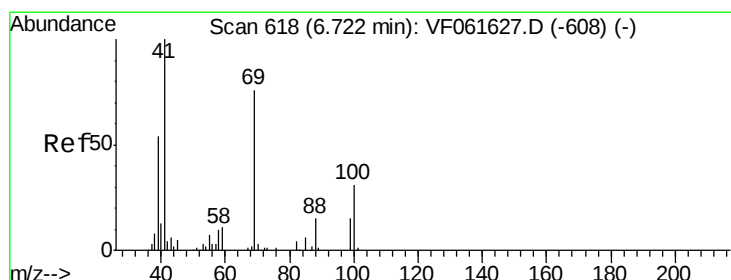
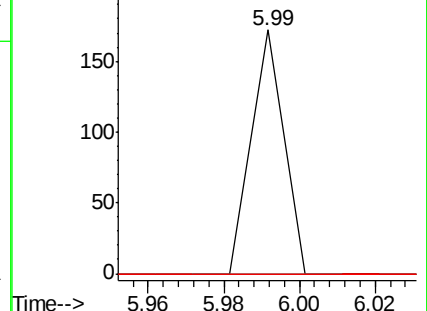
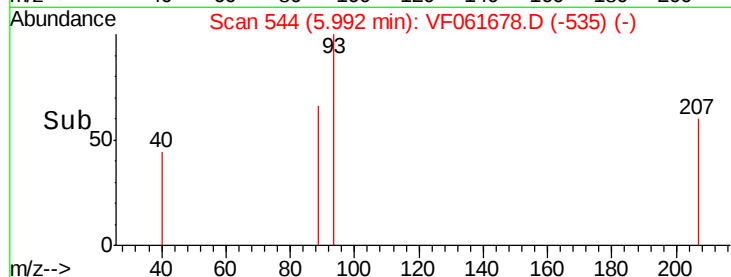
174 0.0 99.3 148.9#



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: 44.204 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.04 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

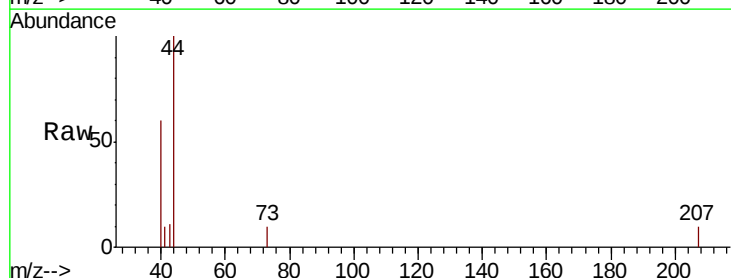
Tgt Ion: 41 Resp: 143

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

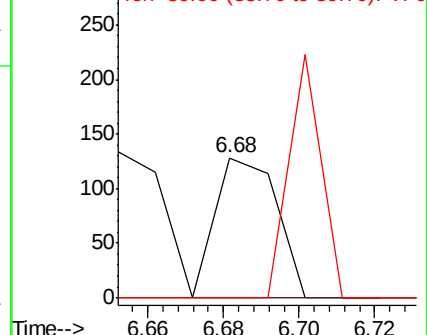
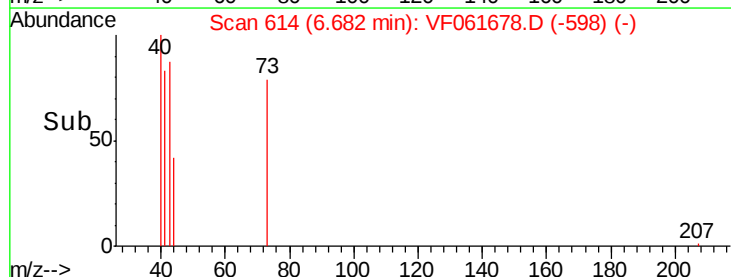
39 0.0 43.7 65.5#

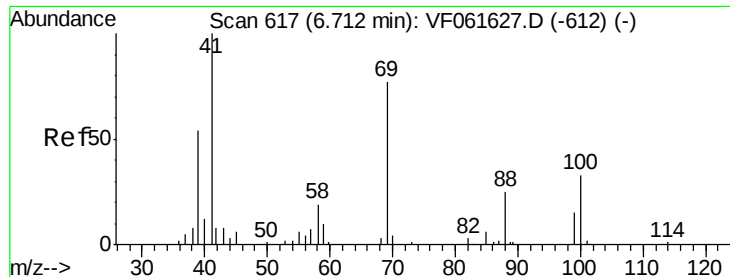


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2038.784 ug/l

RT: 6.57 min Scan# 603

Delta R.T. -0.14 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

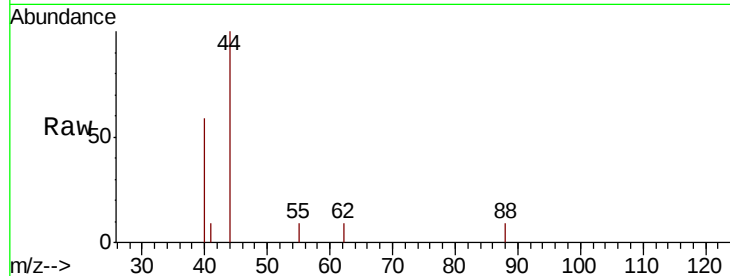
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 32.3 48.5#

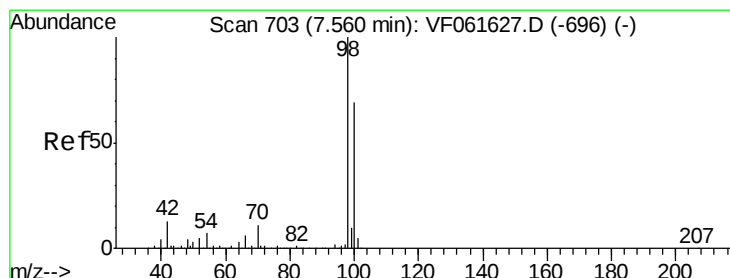
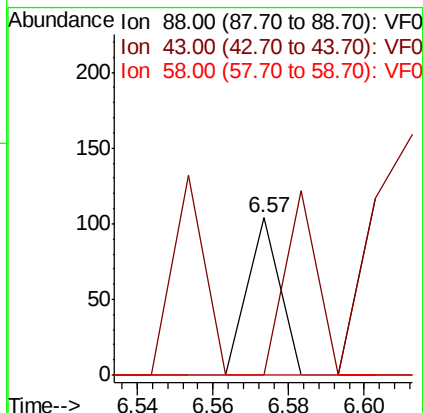
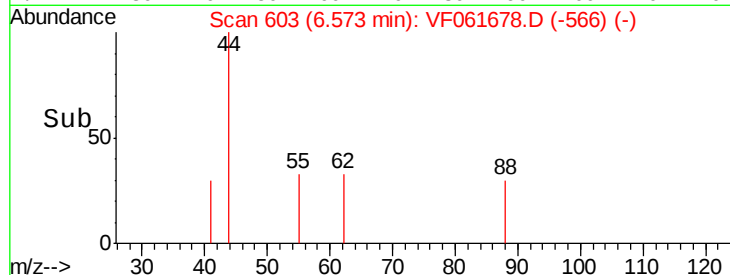
58 0.0 59.4 89.2#



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: 28.571 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061678.D

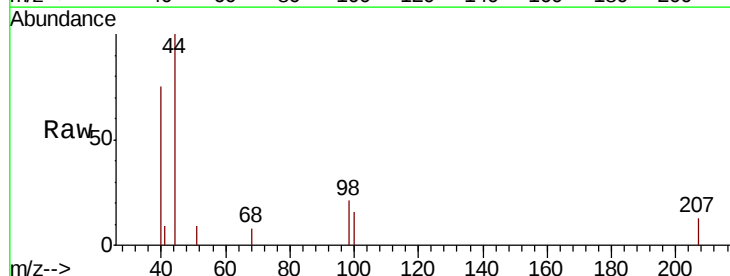
Acq: 18 Feb 2019 15:03

Tgt Ion: 98 Resp: 602

Ion Ratio Lower Upper

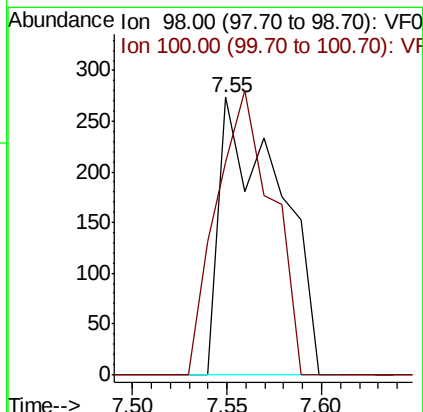
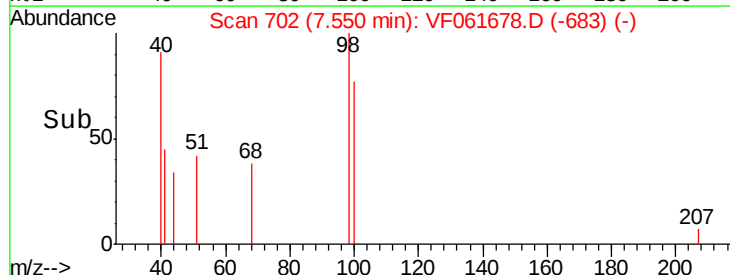
98 100

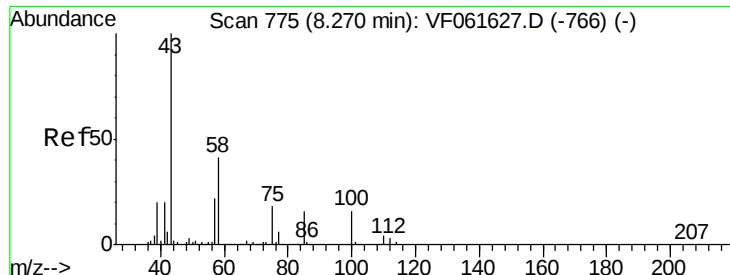
100 76.6 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 15.361 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

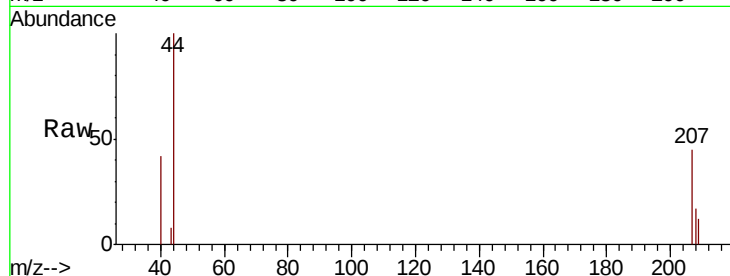
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 43 Resp: 59

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

150

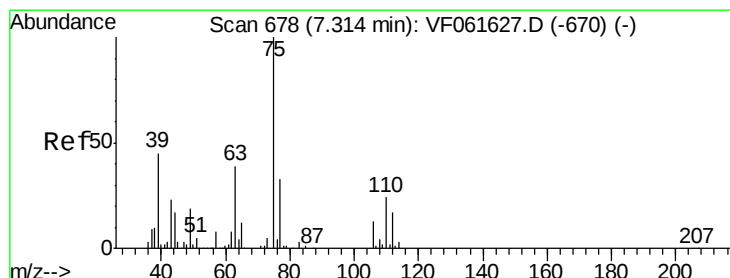
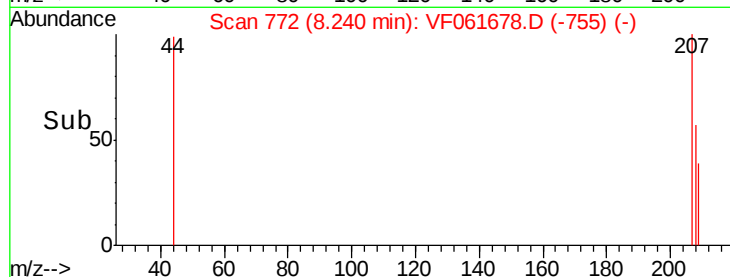
100

50

0

8.22 8.24 8.26

Time-->



#54

cis-1,3-Dichloropropene

Concen: 7.576 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.12 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

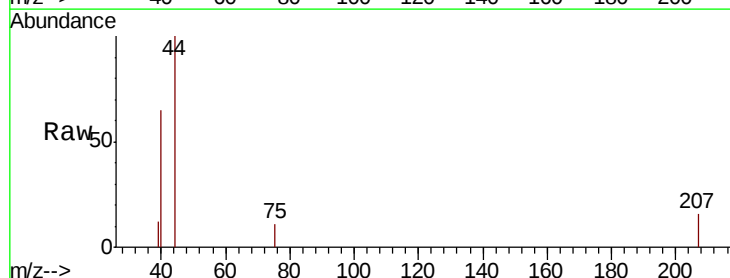
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

39 105.1 36.0 54.0#



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

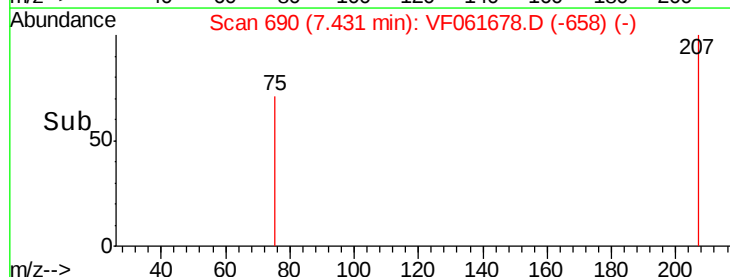
100

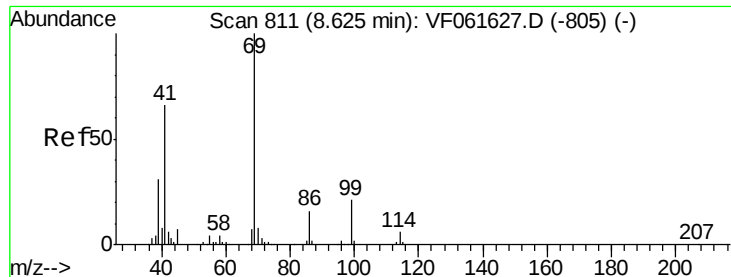
50

0

7.40 7.42 7.44 7.46

Time-->





#56

Ethyl methacrylate

Concen: 11.826 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.17 min

Lab File: VF061678.D

Acq: 18 Feb 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

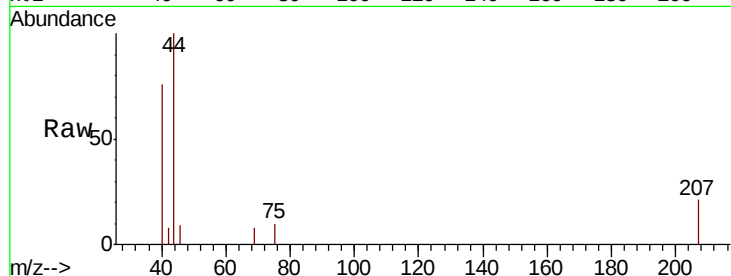
Tgt Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 0.0 52.9 79.3#

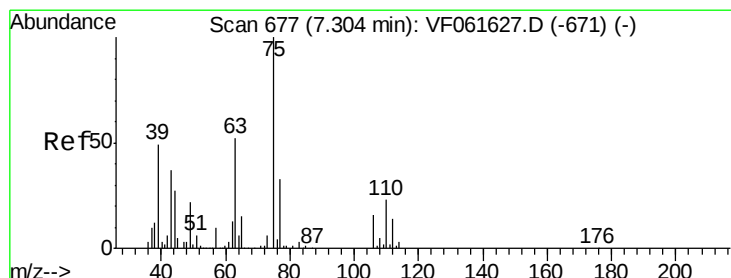
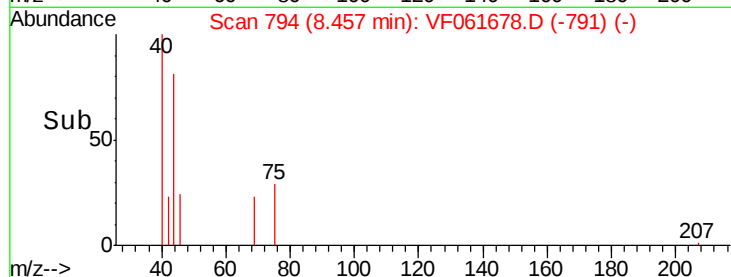
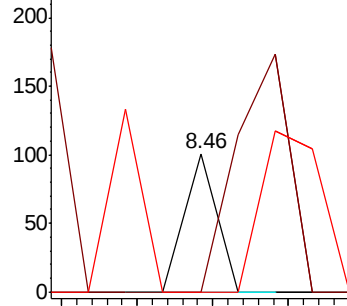
39 0.0 24.5 36.7#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 68.540 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061678.D

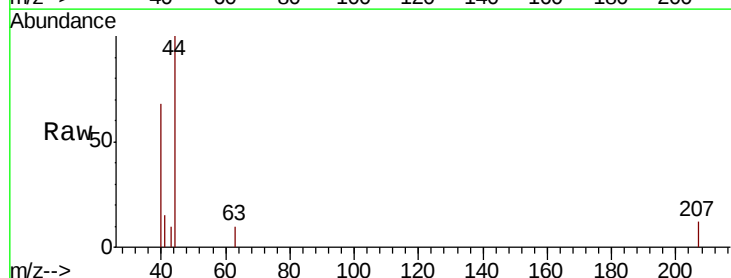
Acq: 18 Feb 2019 15:03

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

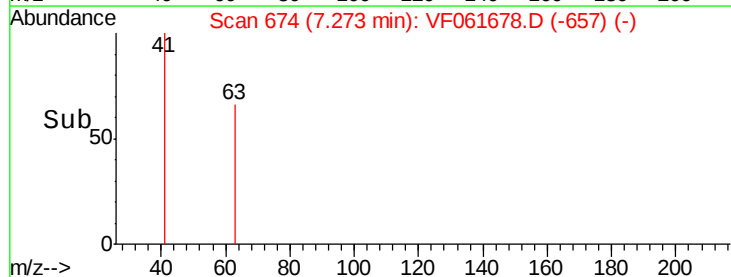
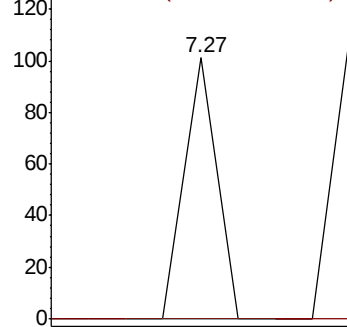
63 100

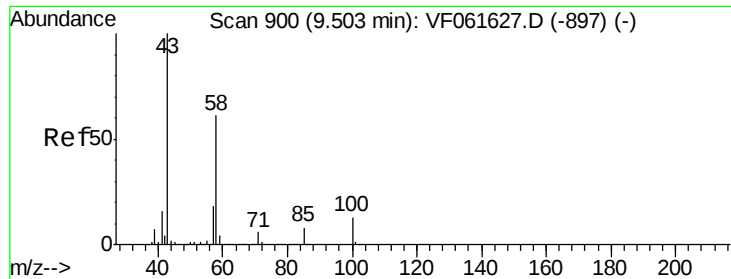
106 0.0 24.6 36.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

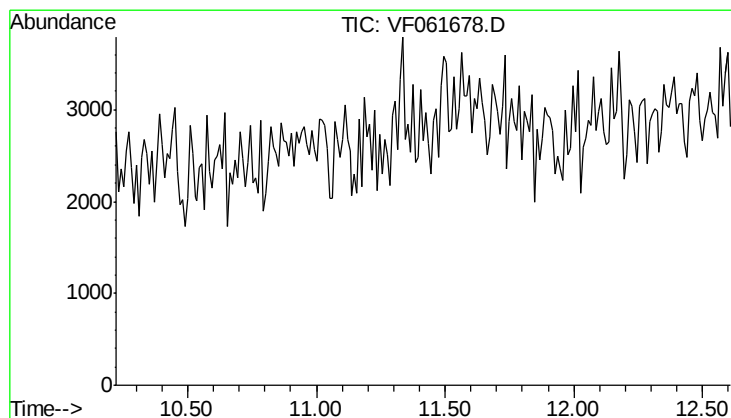
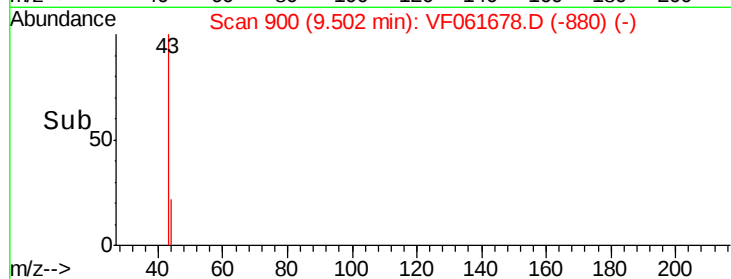
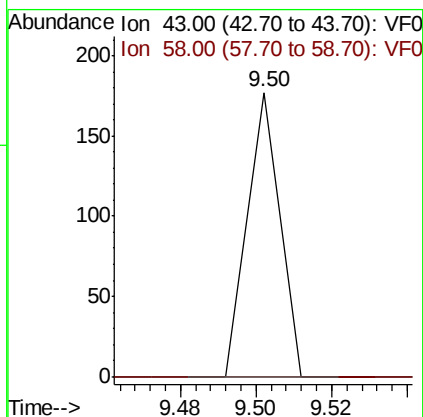
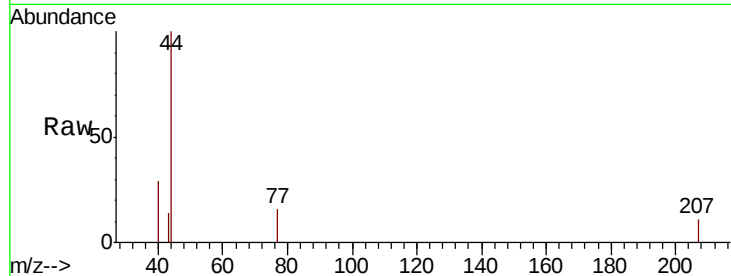




#59
2-Hexanone
Concen: 38.998 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

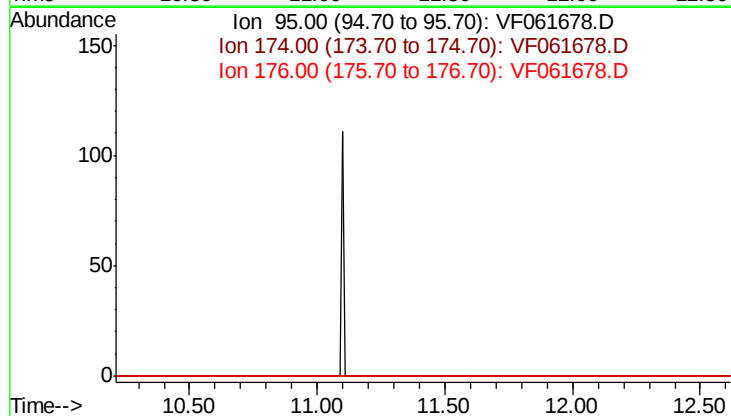
Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

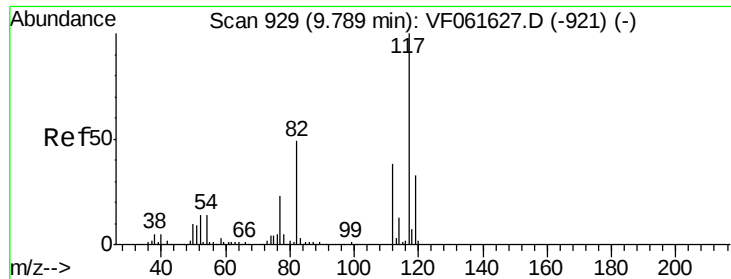
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.42 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion: 95
Sig Exp Ratio
95 100
174 82.9
176 83.5

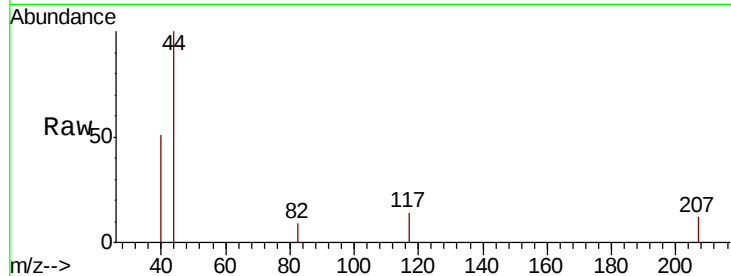




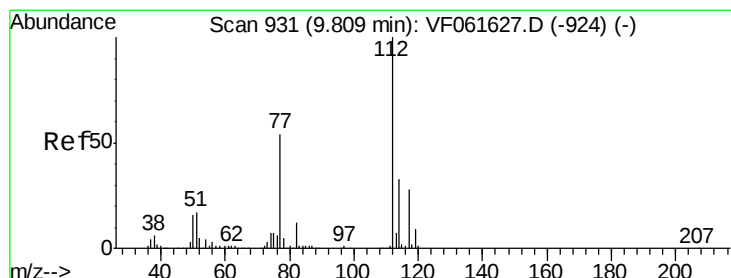
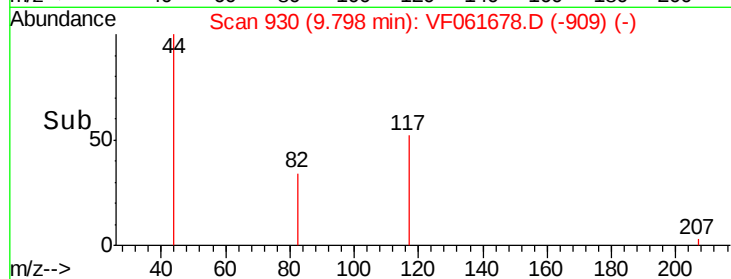
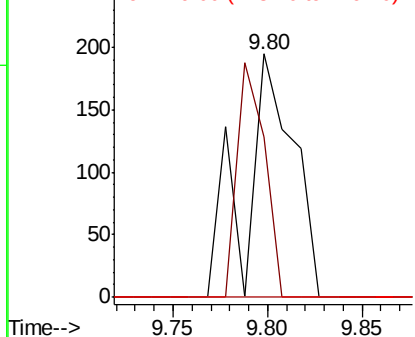
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion:117 Resp: 347
Ion Ratio Lower Upper
117 100
82 65.6 39.3 58.9#
119 0.0 26.6 40.0#

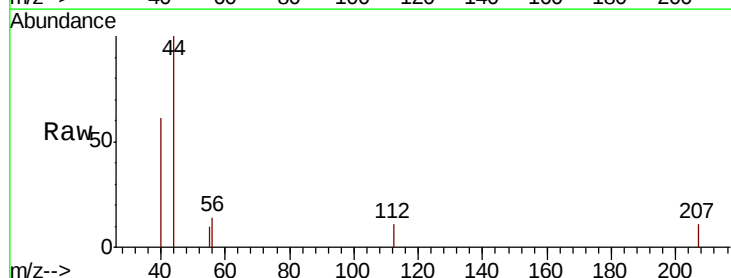


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

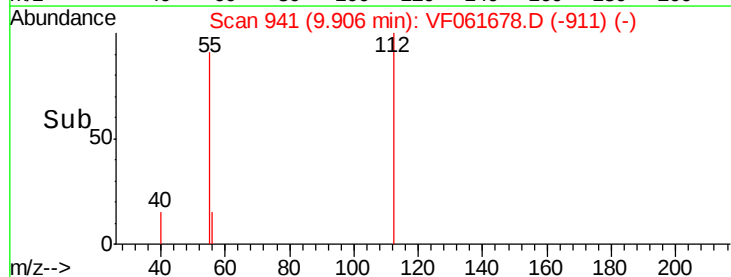
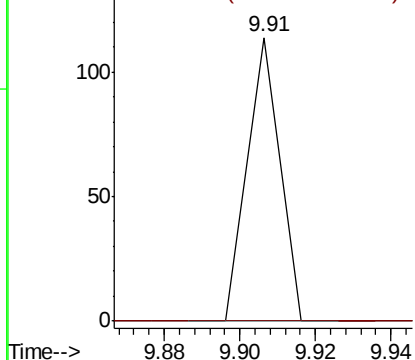


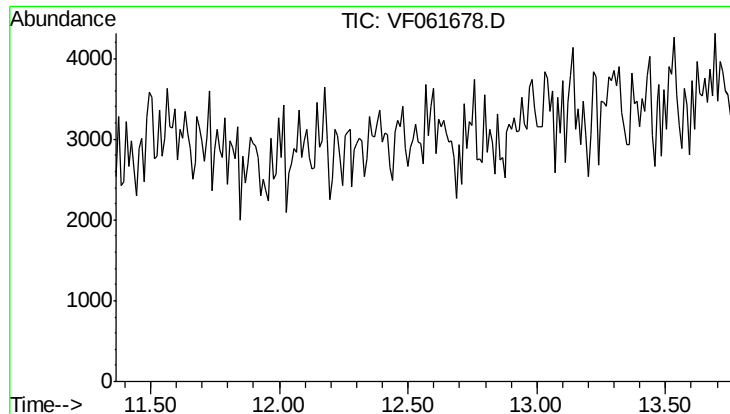
#65
Chlorobenzene
Concen: 9.515 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.10 min
Lab File: VF061678.D
Acq: 18 Feb 2019 15:03

Tgt Ion:112 Resp: 67
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.2#



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.56 min
 Lab File: VF061678.D
 Acq: 18 Feb 2019 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 48.5
 150 156.0

