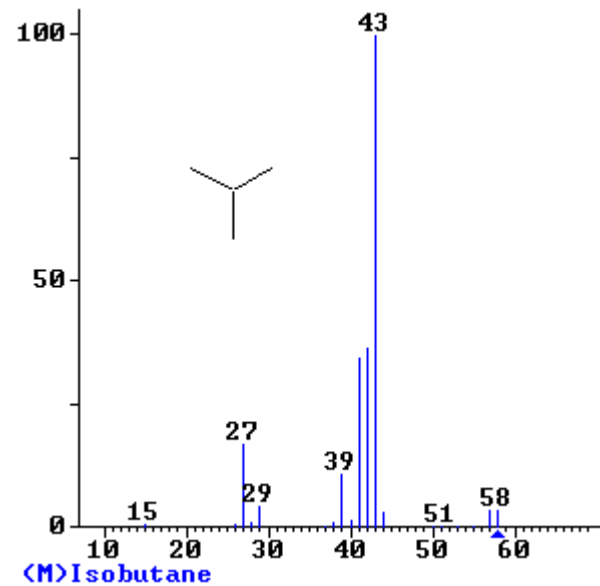
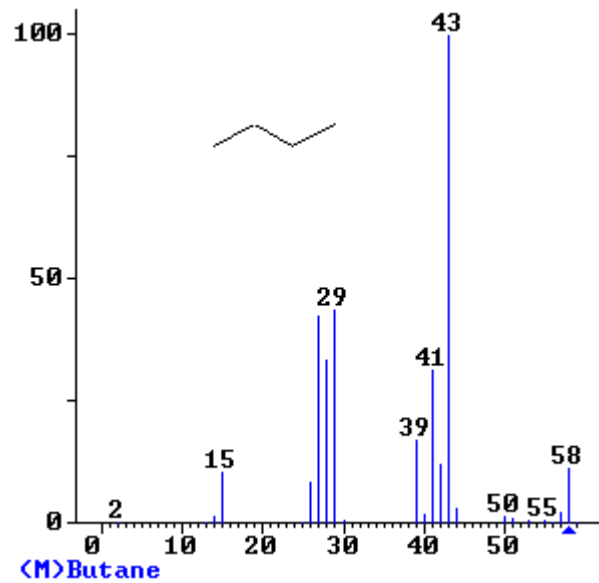
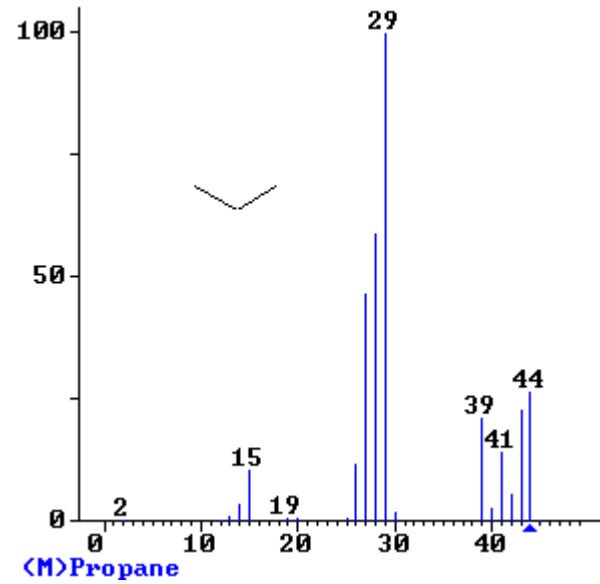
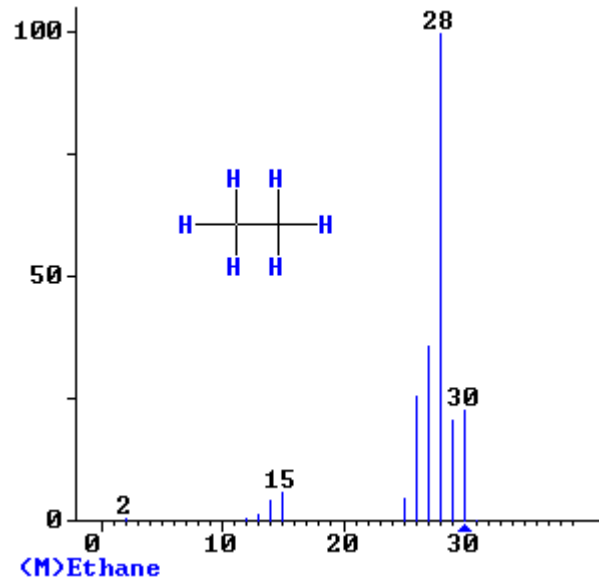


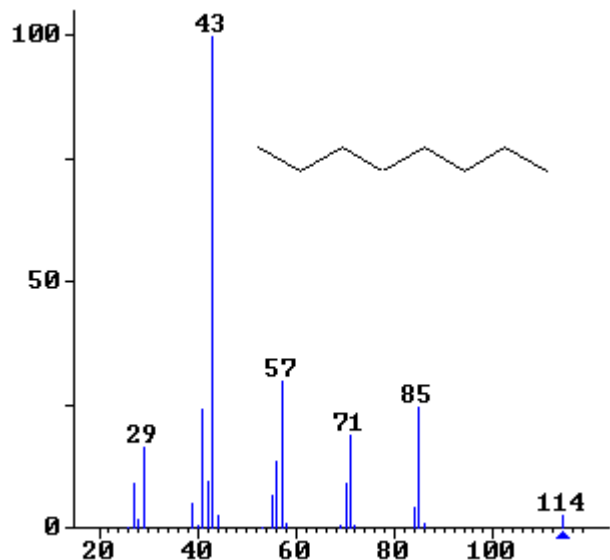
Widma EI wybranych związków organicznych - - materiał do ćwiczeń

Wszystkie widma pochodzą z bazy danych NIST

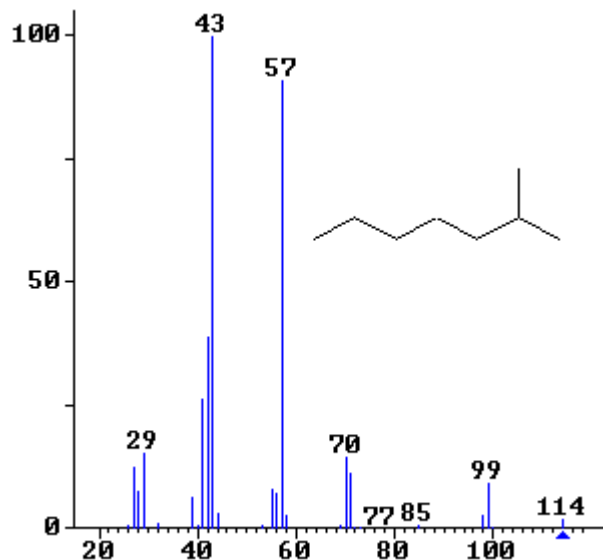
Alkany



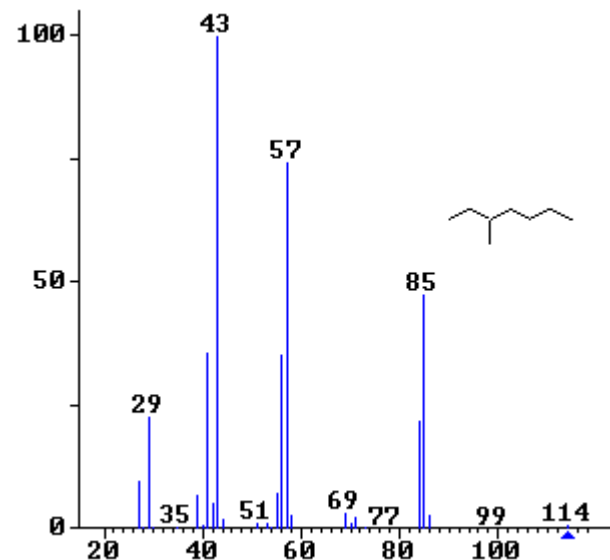
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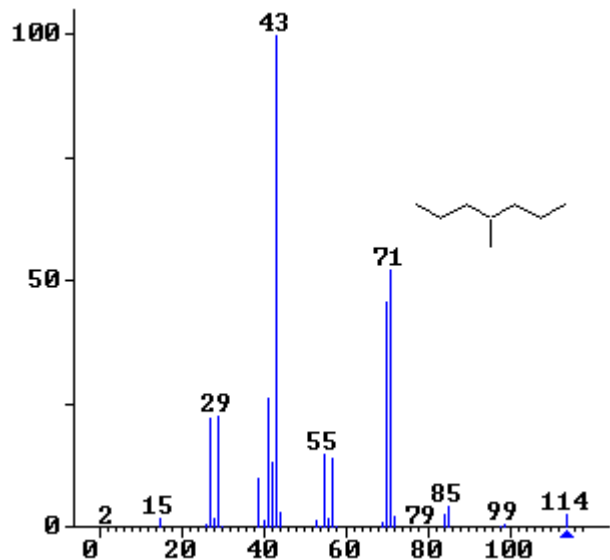
<M>Octane



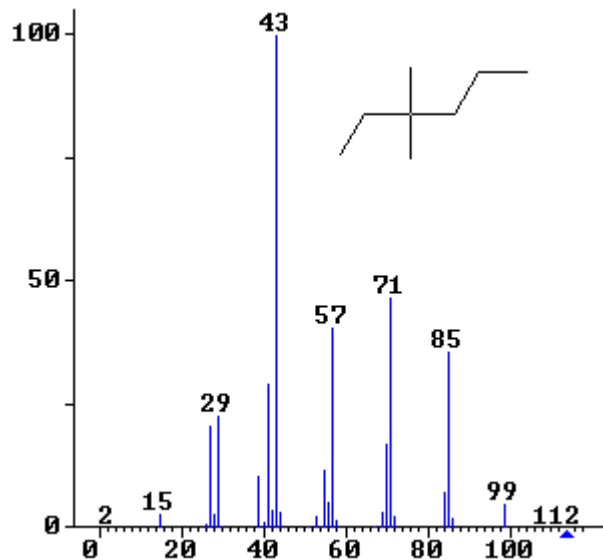
<M>Heptane, 2-methyl-



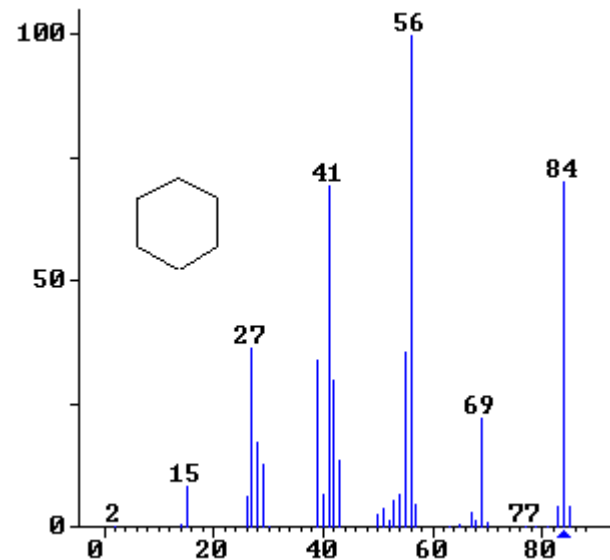
<M>Heptane, 3-methyl-



<M>Heptane, 4-methyl-

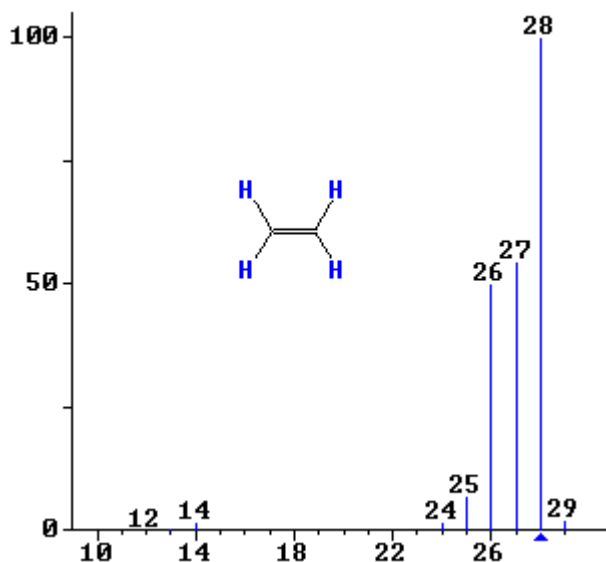


<M>Hexane, 3,3-dimethyl-

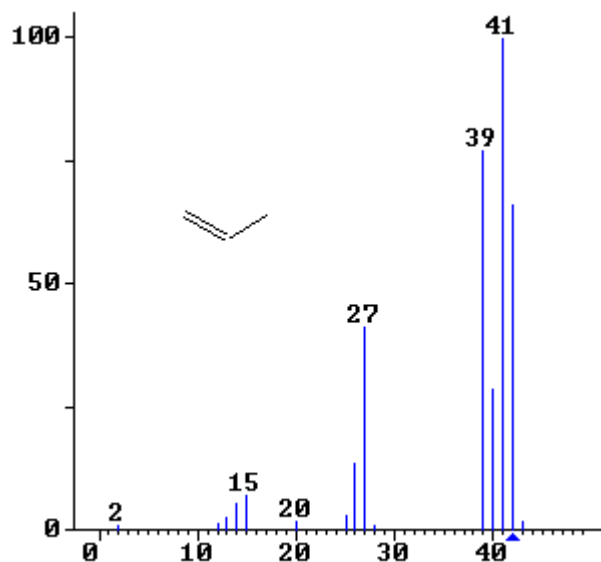


<M>Cyclohexane

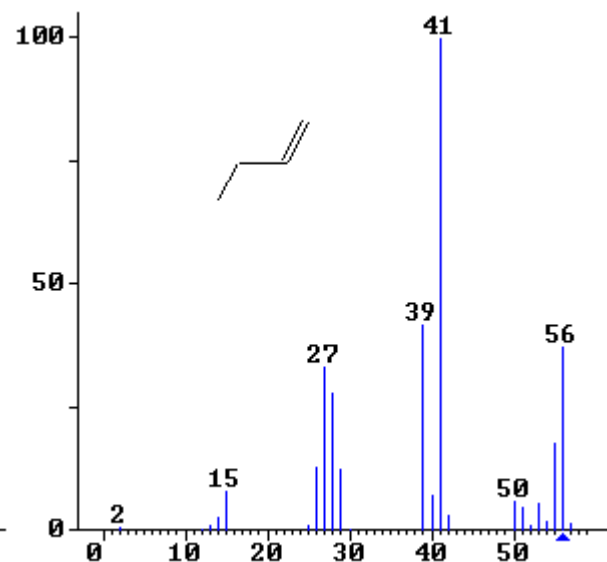
Alkeny



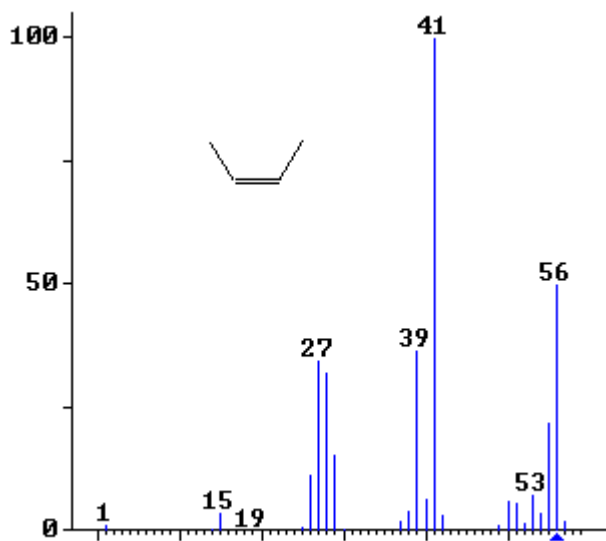
(M)Ethene



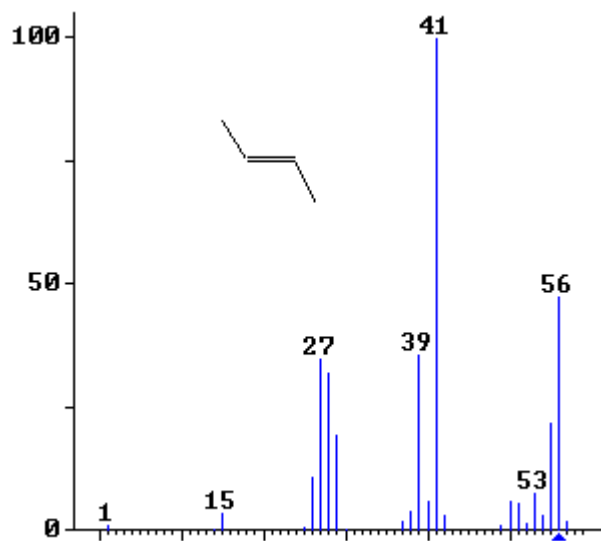
(M)Propene



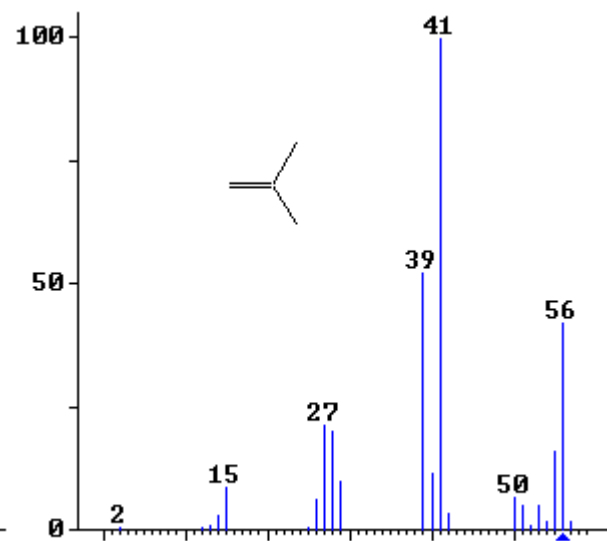
(M)1-Butene



(M)2-Butene, (Z)-

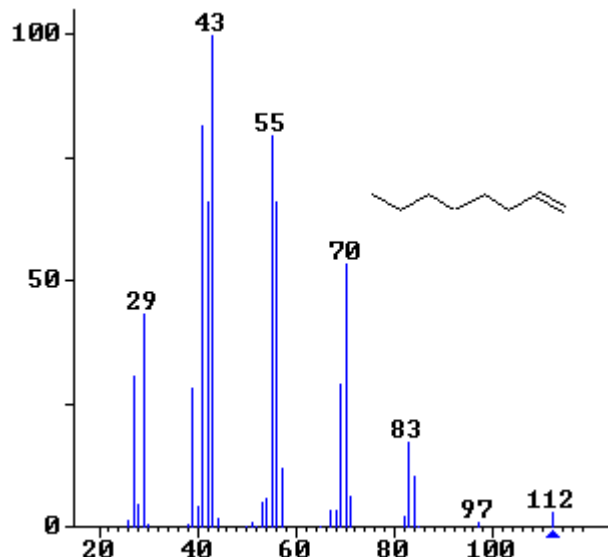


(M)2-Butene, (E)-

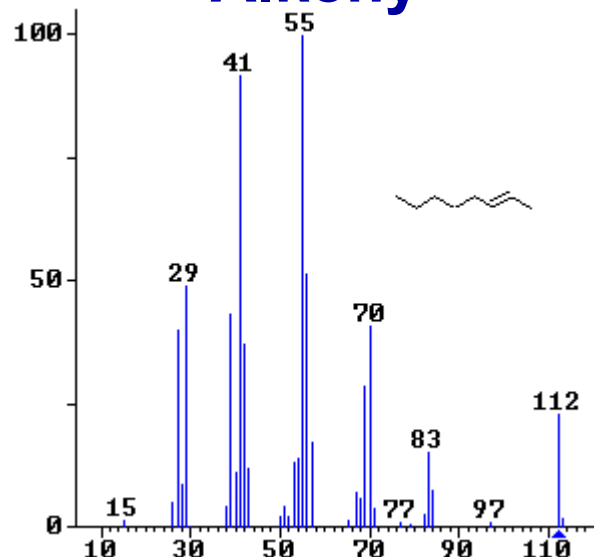


(M)1-Propene, 2-methyl-

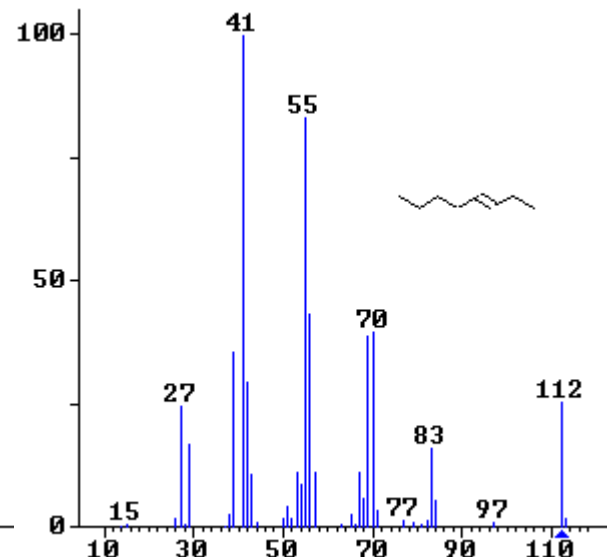
Alkeny



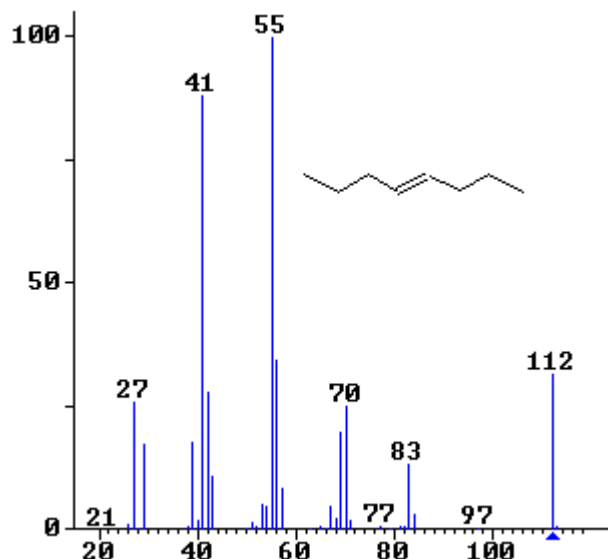
(M)1-Octene



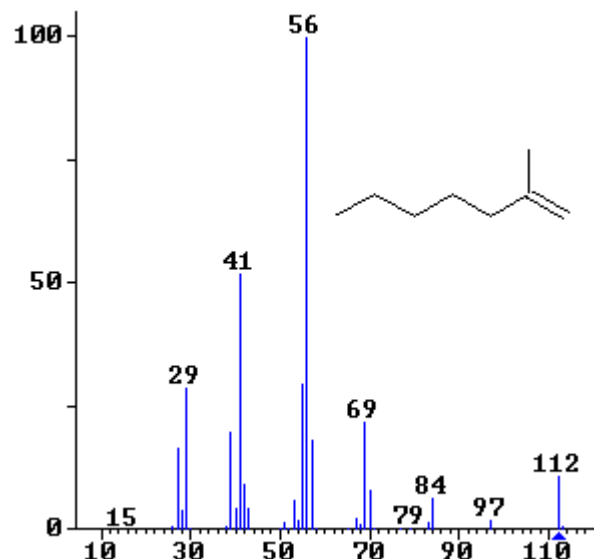
(M)2-Octene



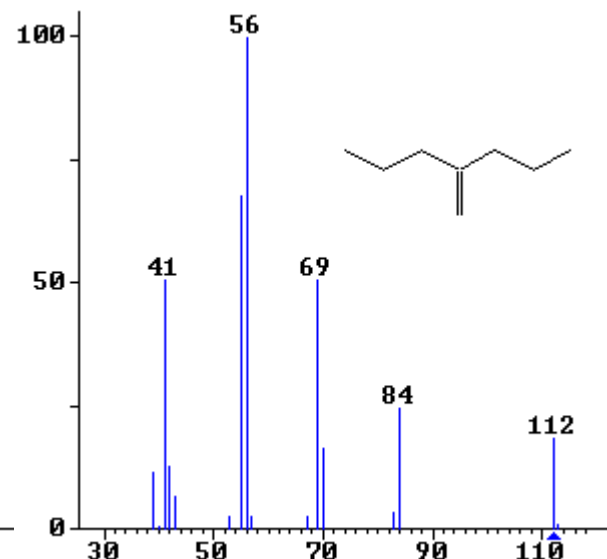
(M)3-Octene, (E)-



(M)4-Octene, (E)-

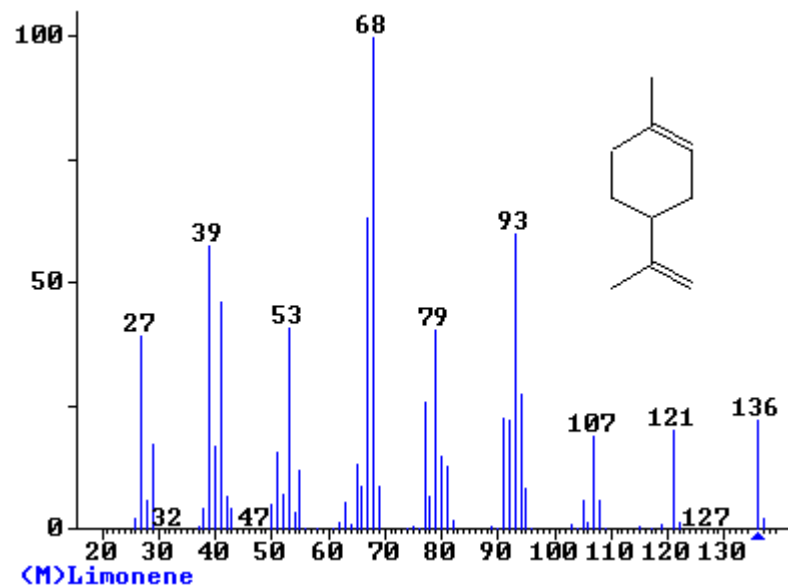
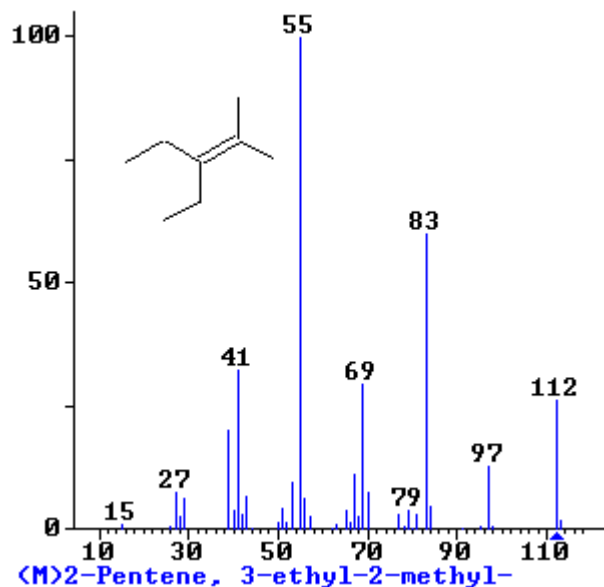
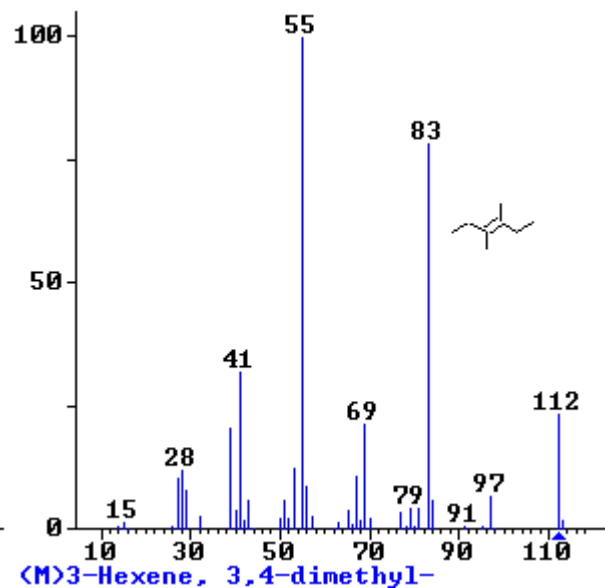
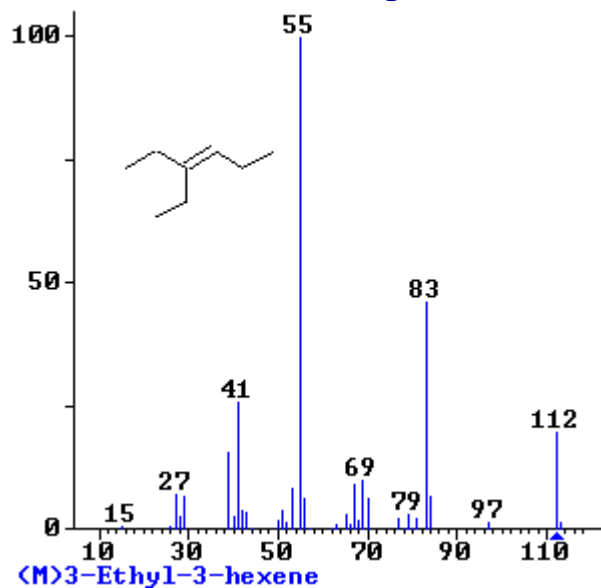
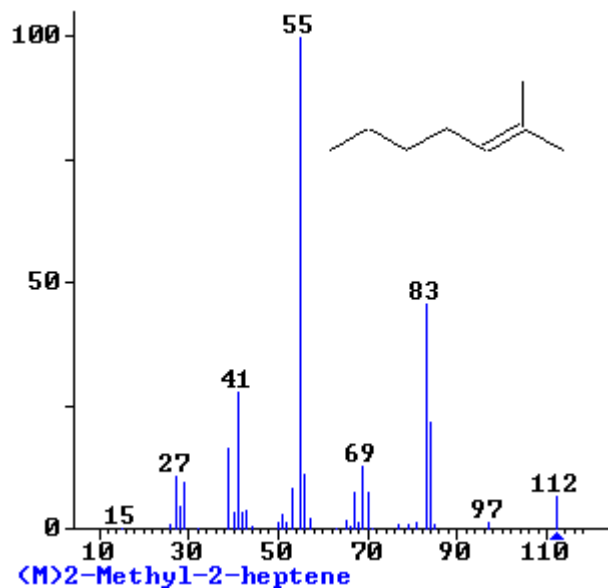


(M)1-Heptene, 2-methyl-

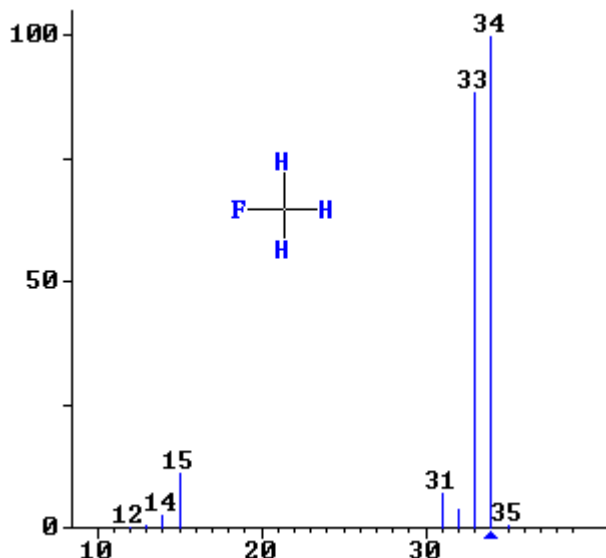


(M)Heptane, 4-methylene-

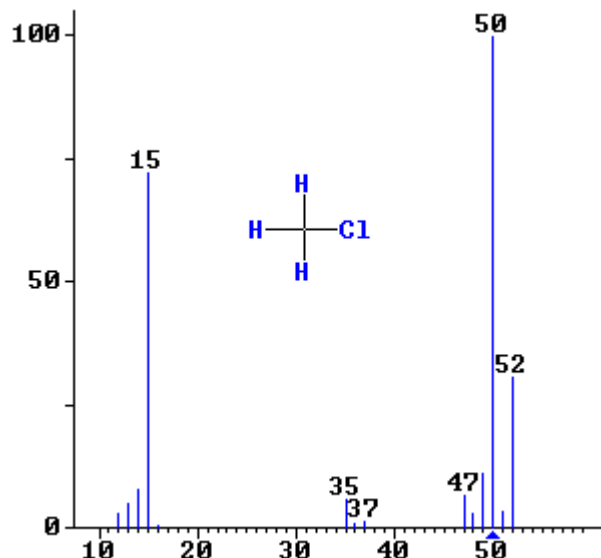
Alkeny



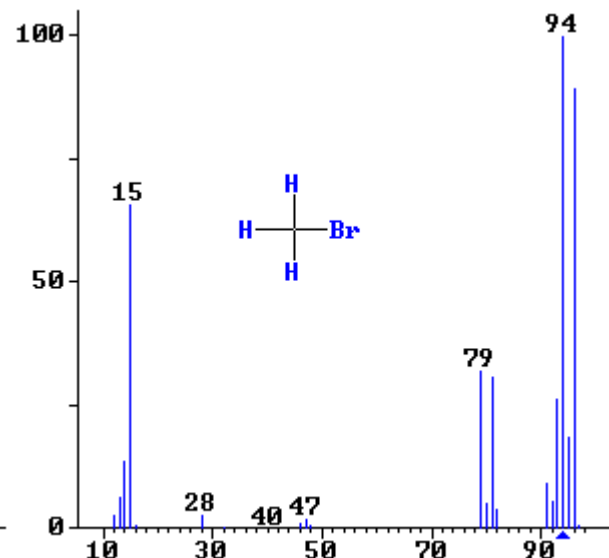
Halogenki alkilowe



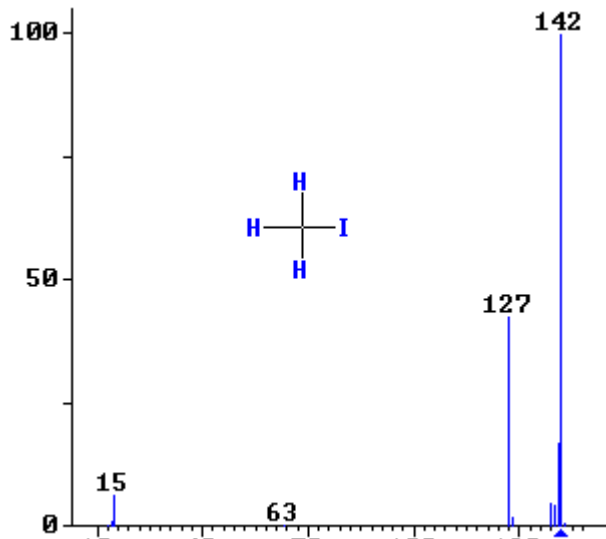
<M>Methane, fluoro-



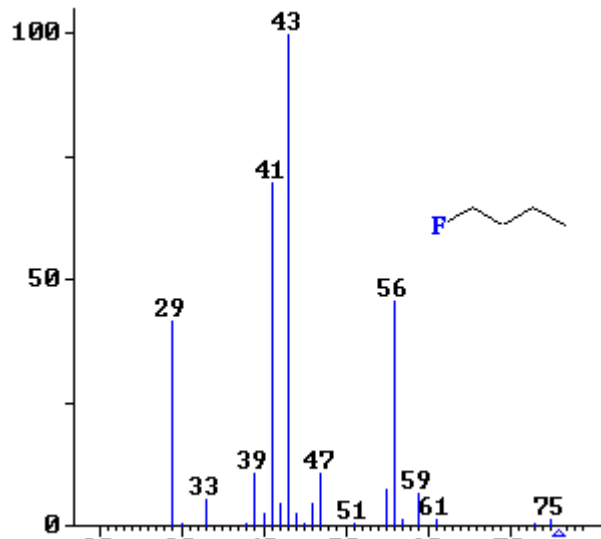
<M>Methane, chloro-



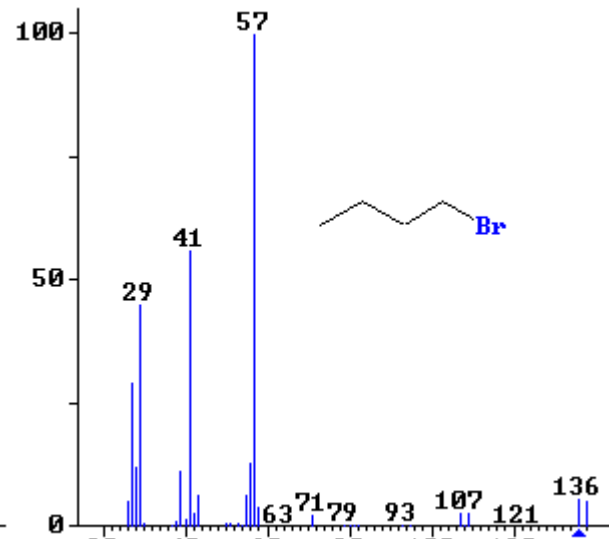
<M>Methane, bromo-



<M>Methane, iodo-

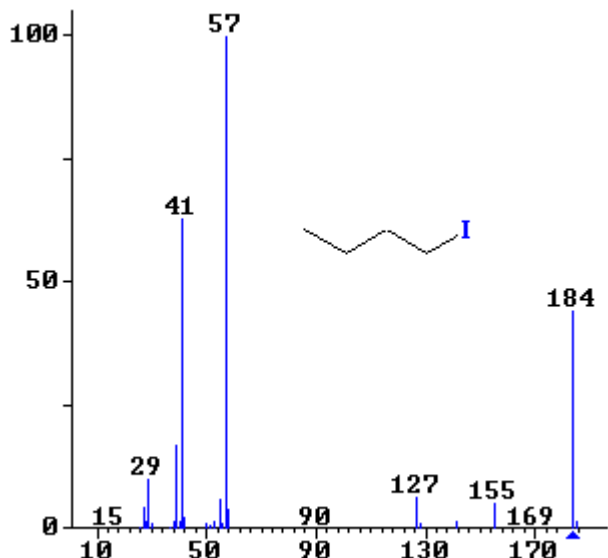


<M>Butane, 1-fluoro-

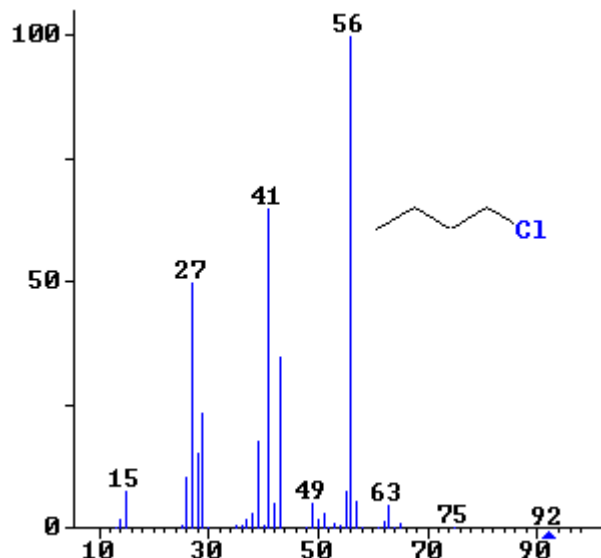


<M>Butane, 1-bromo-

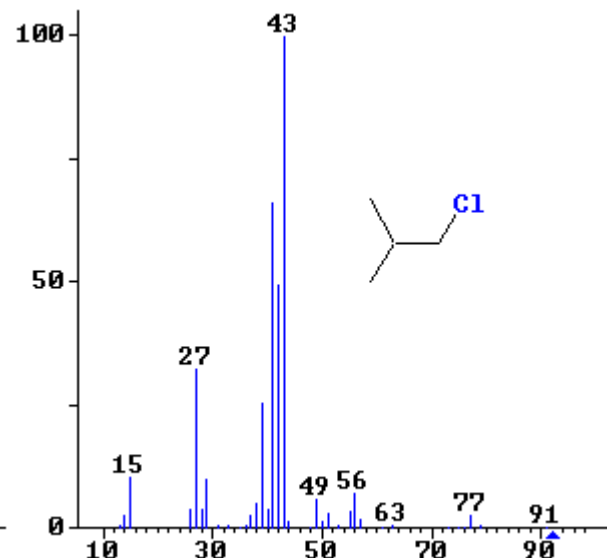
Halogenki alkilowe



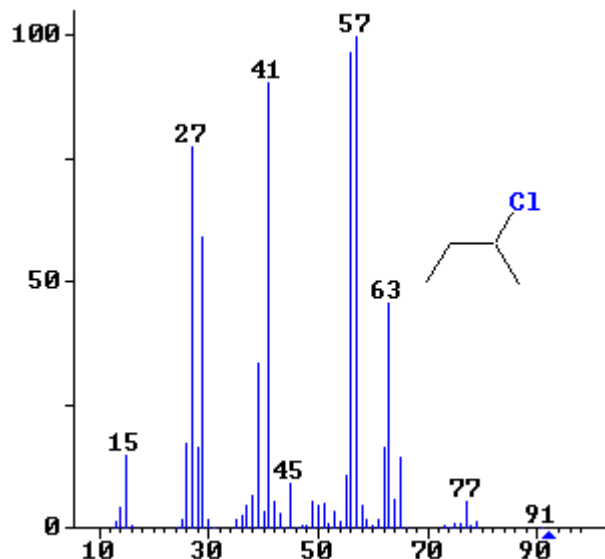
<M>Butane, 1-iodo-



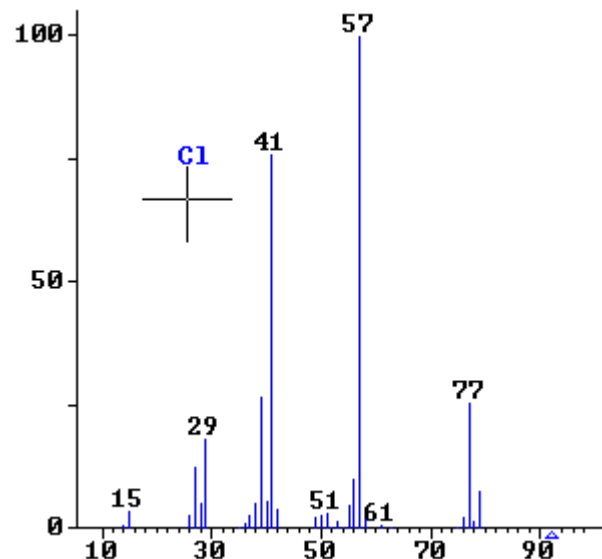
<M>Butane, 1-chloro-



<M>Propane, 1-chloro-2-methyl-

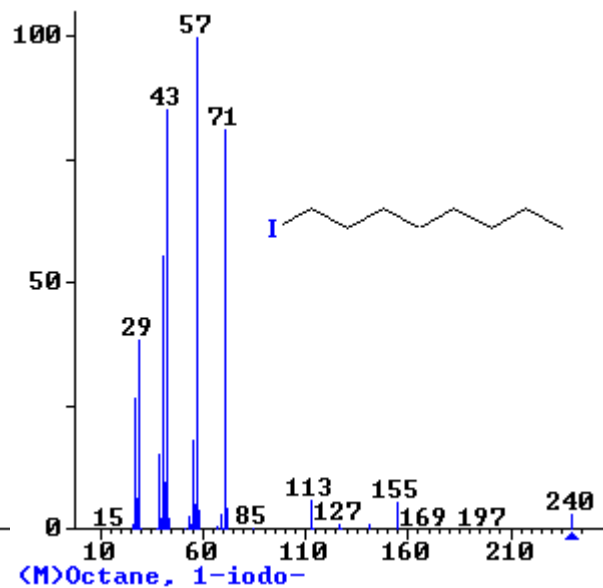
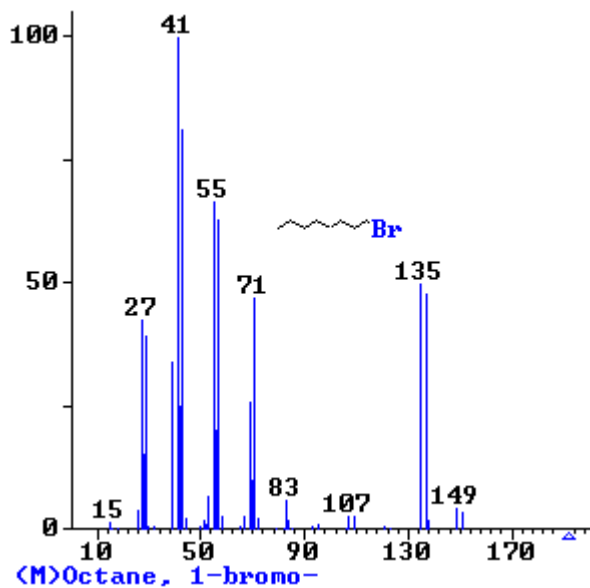
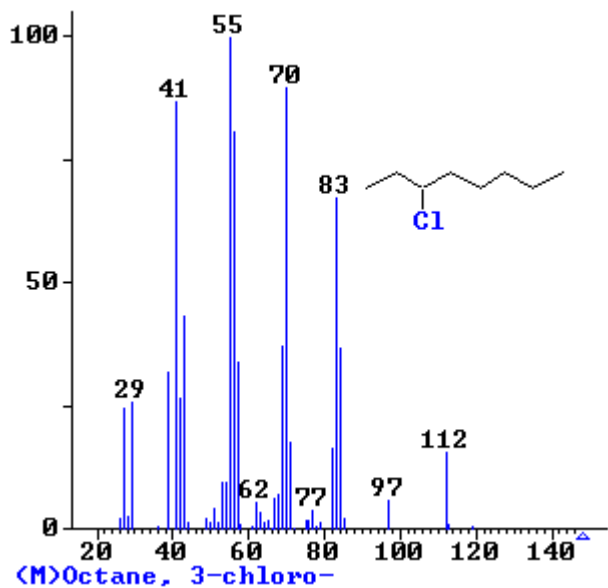
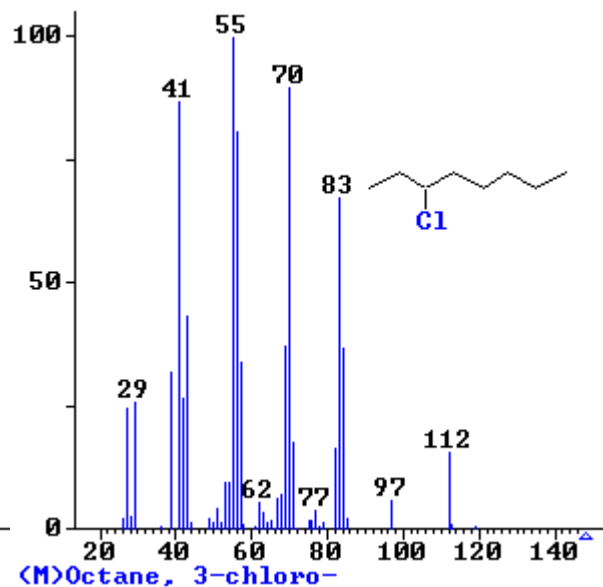
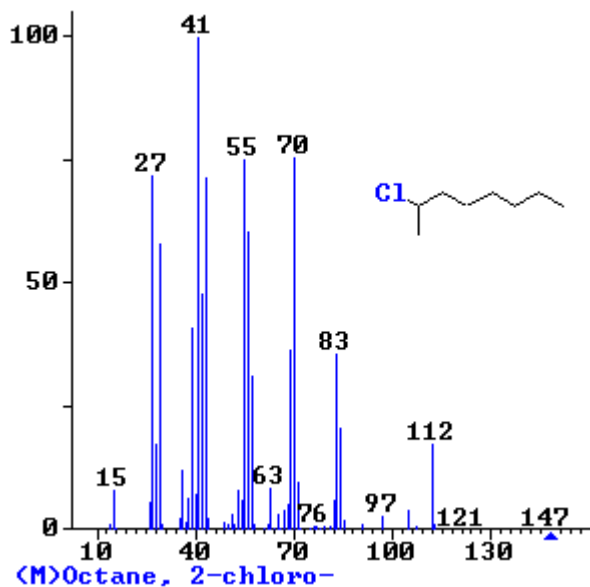
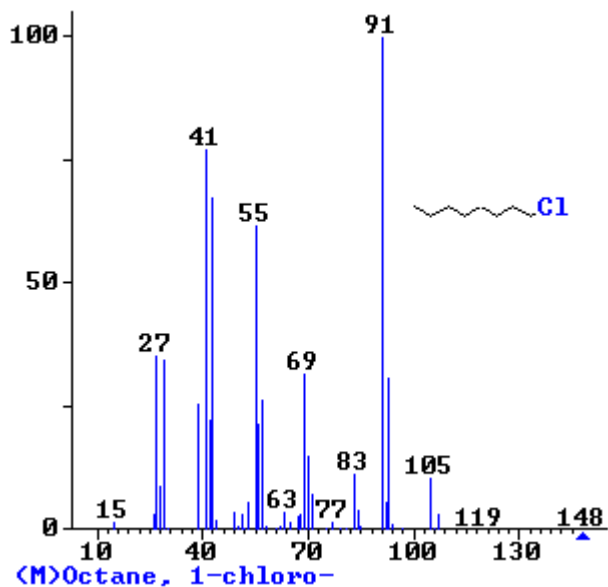


<M>Butane, 2-chloro-

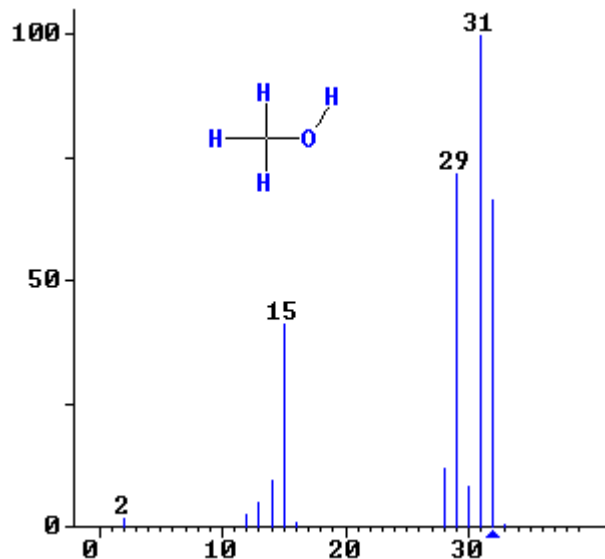


<M>Propane, 2-chloro-2-methyl-

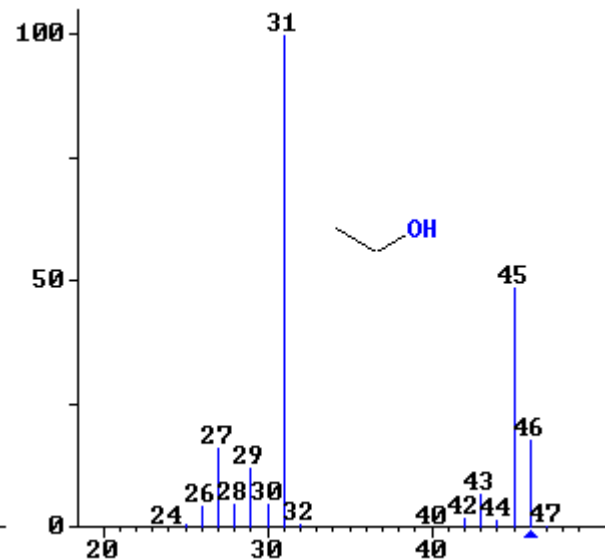
Halogenki alkilowe



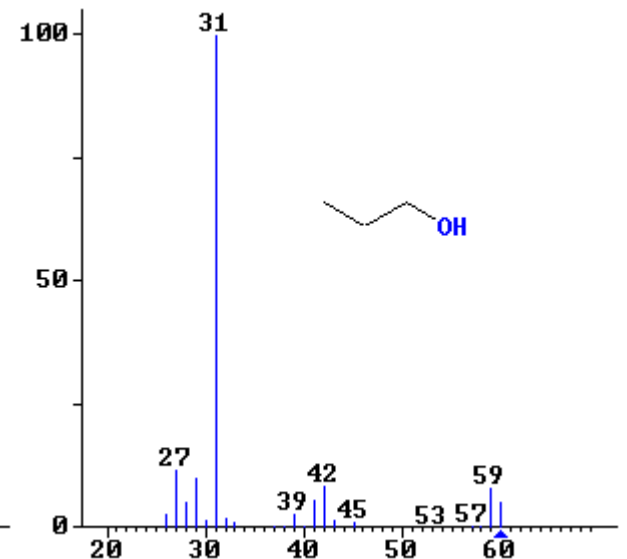
Alkohole



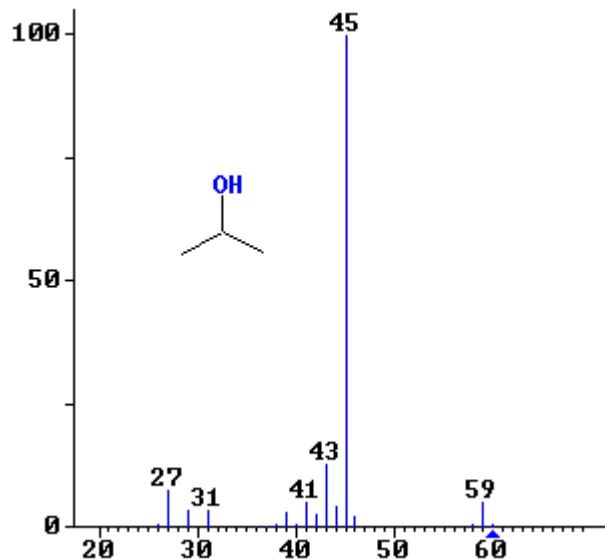
(M)Methyl Alcohol



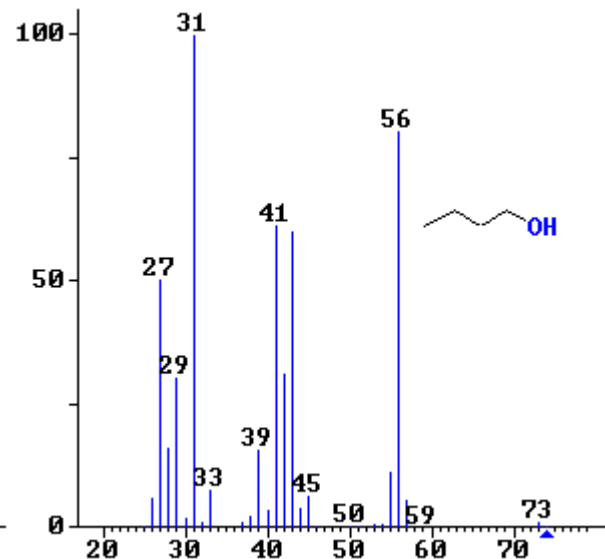
(M)Ethanol



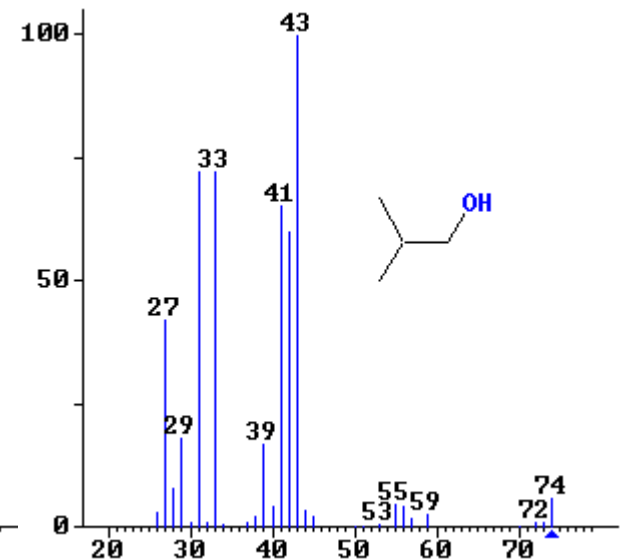
(M)1-Propanol



(M)Isopropyl Alcohol

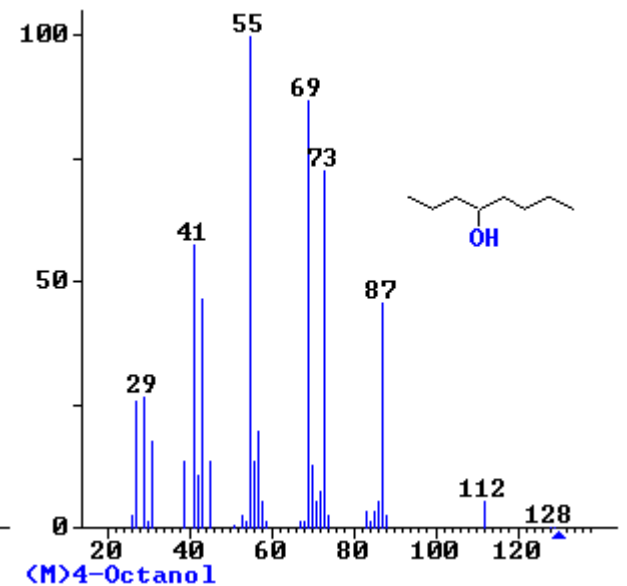
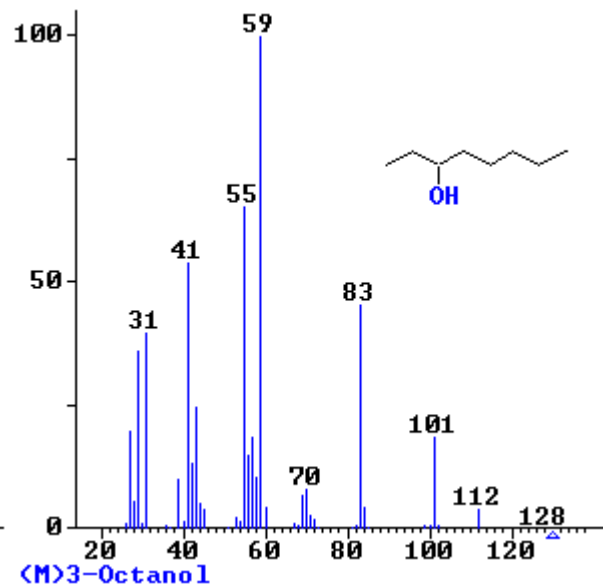
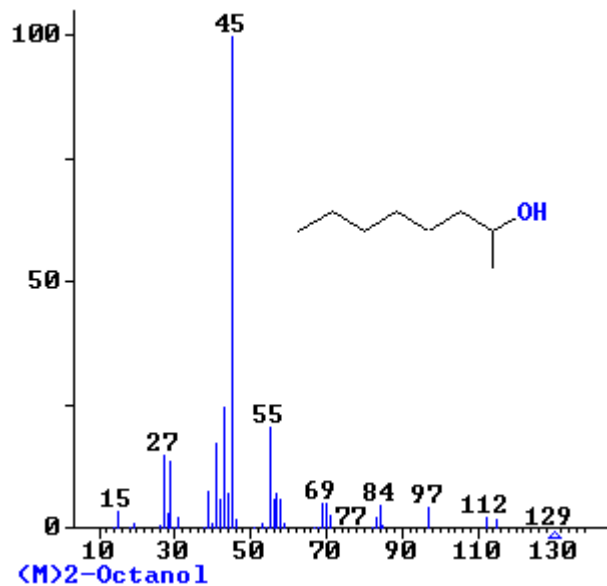
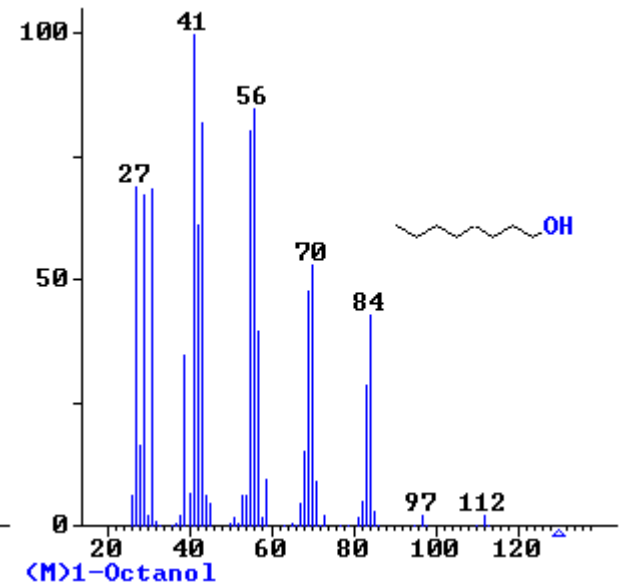
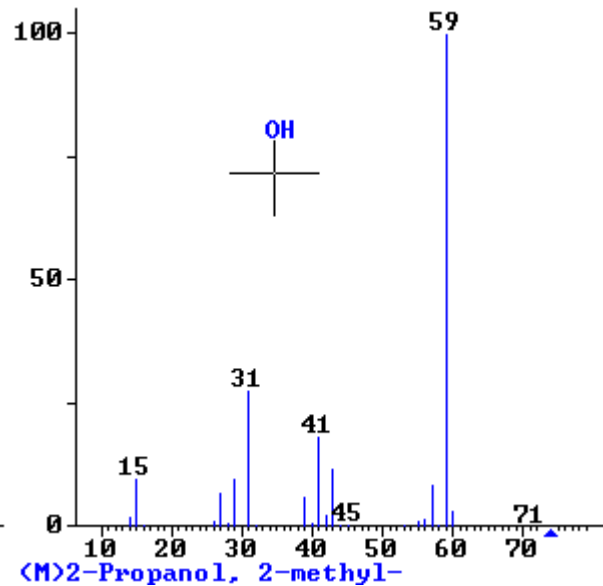
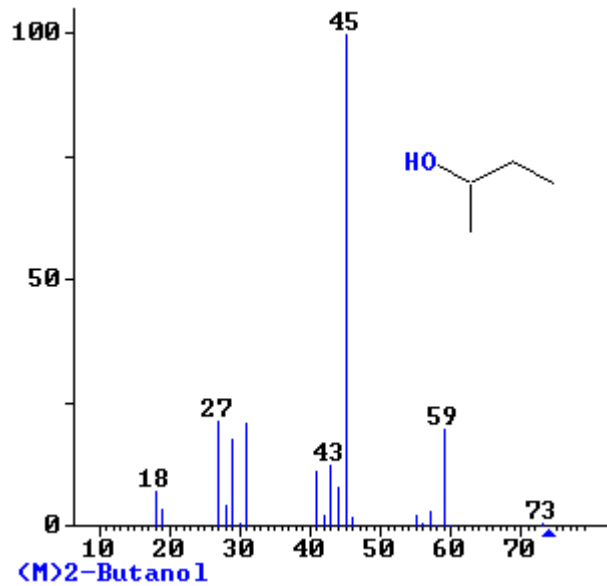


(M)1-Butanol

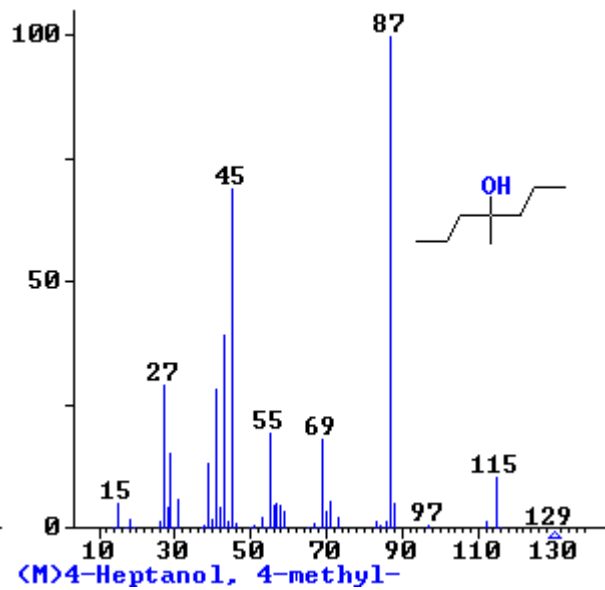
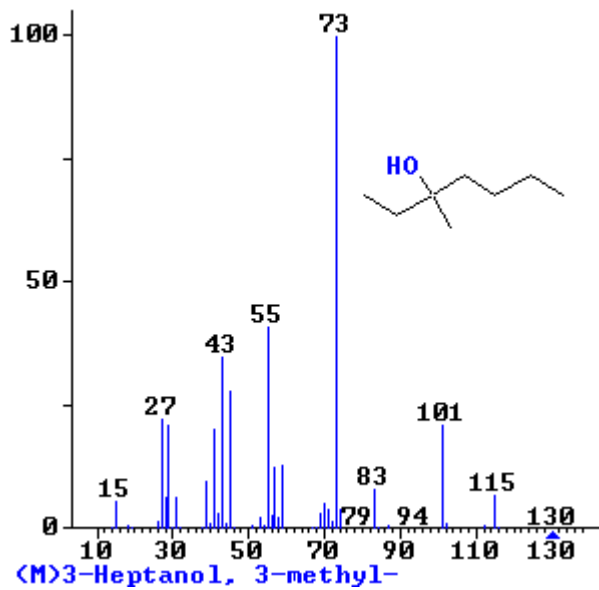
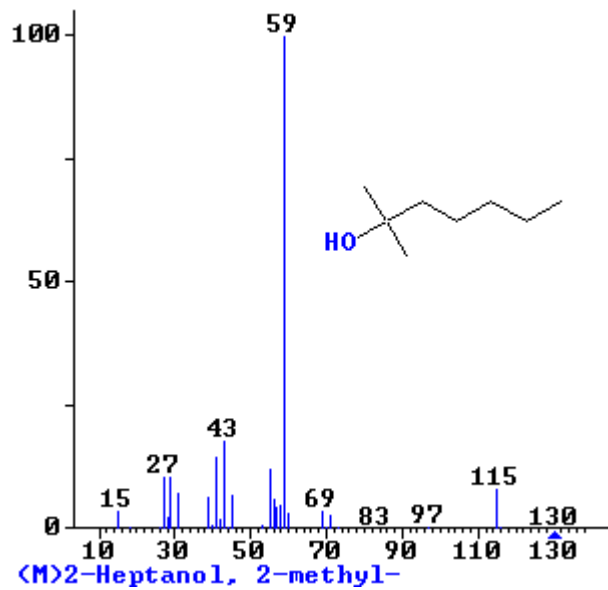


(M)1-Propanol, 2-methyl-

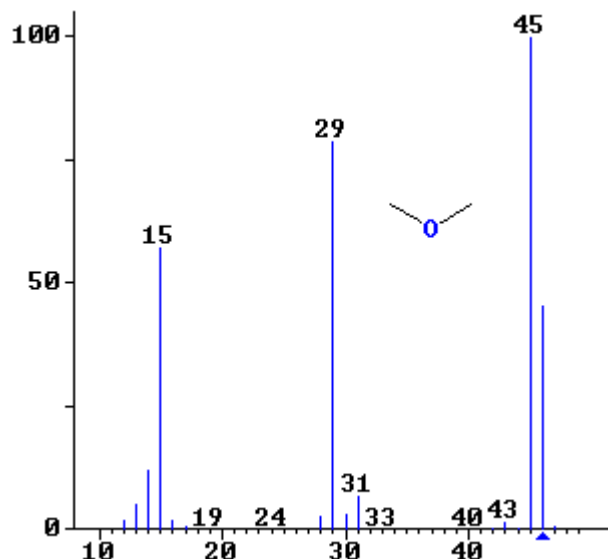
Alkohole



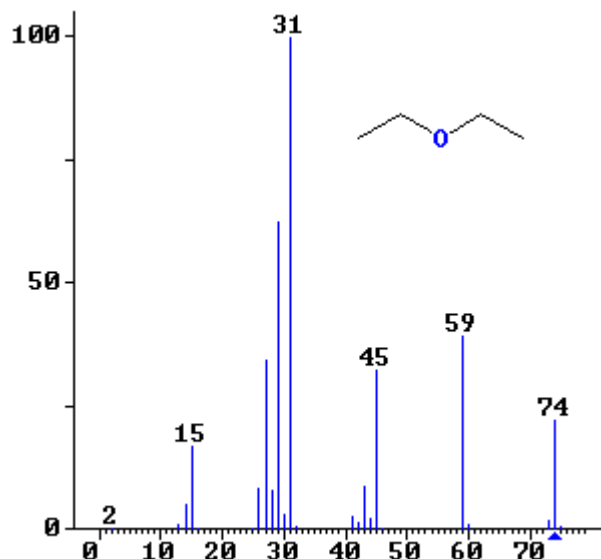
Alkohole



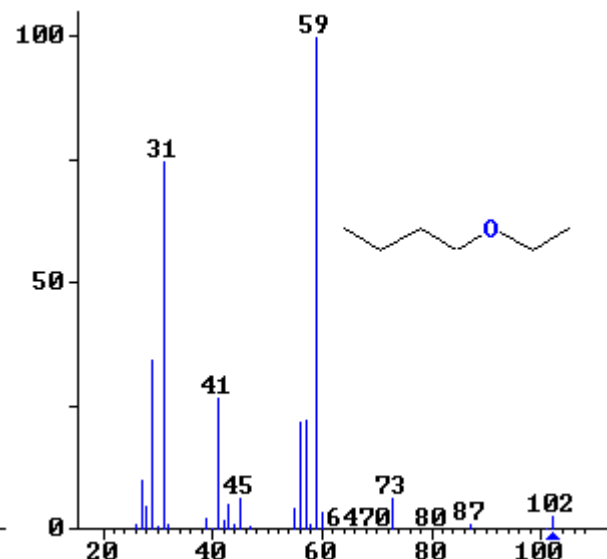
Etery



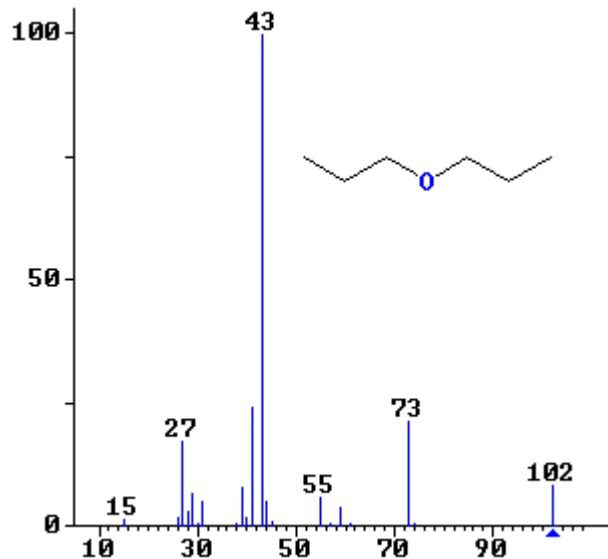
<M>Dimethyl ether



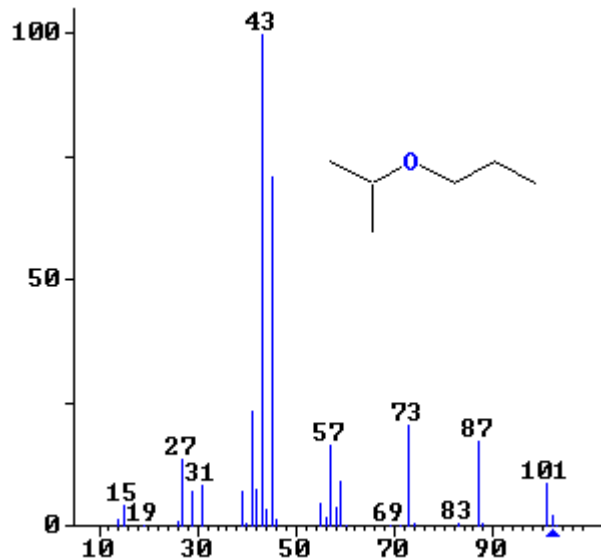
<M>Ether



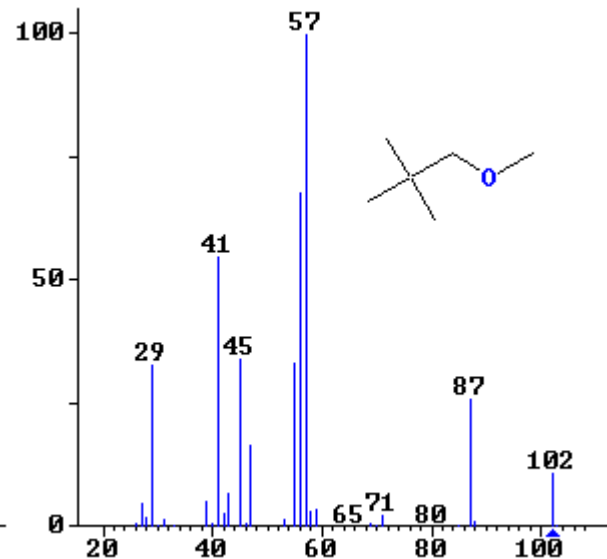
<M>Butane, 1-ethoxy-



<M>Di-n-propyl ether

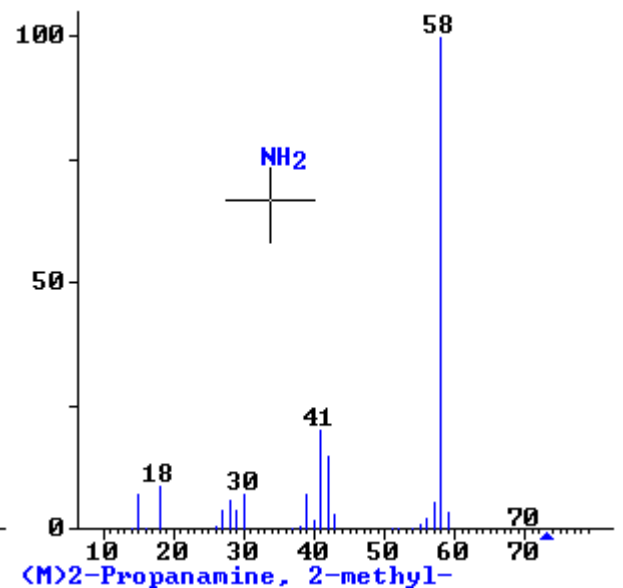
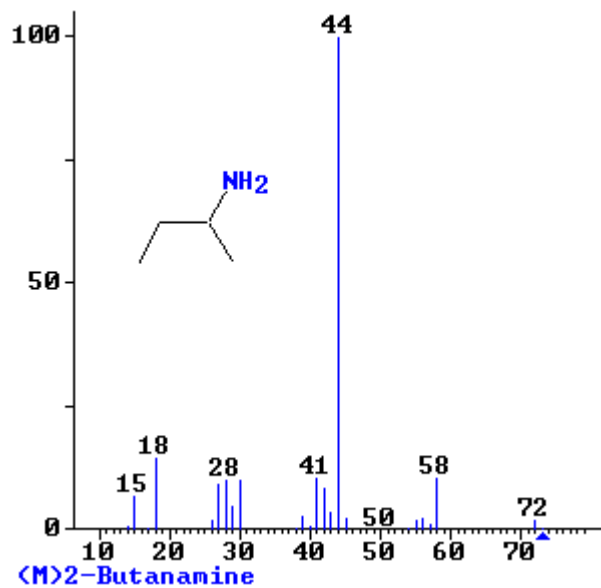
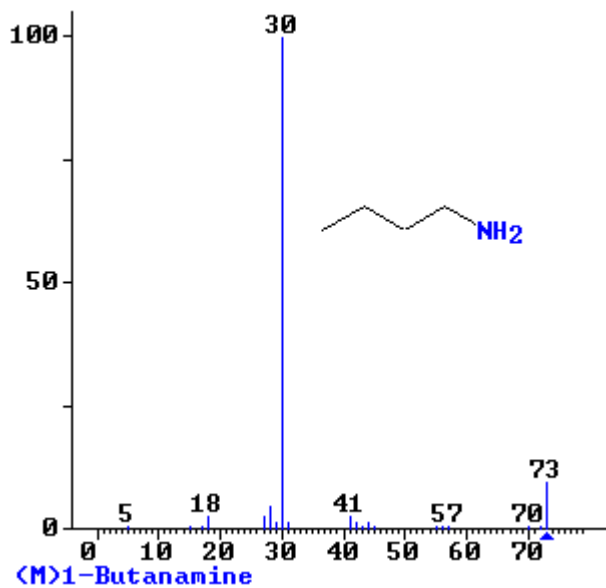
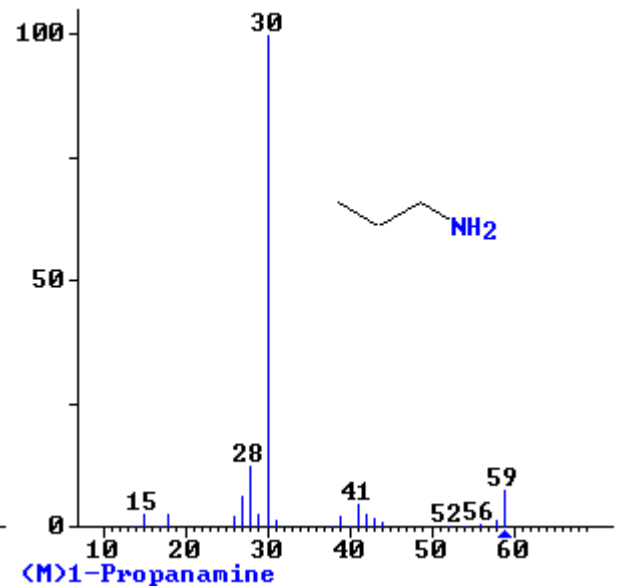
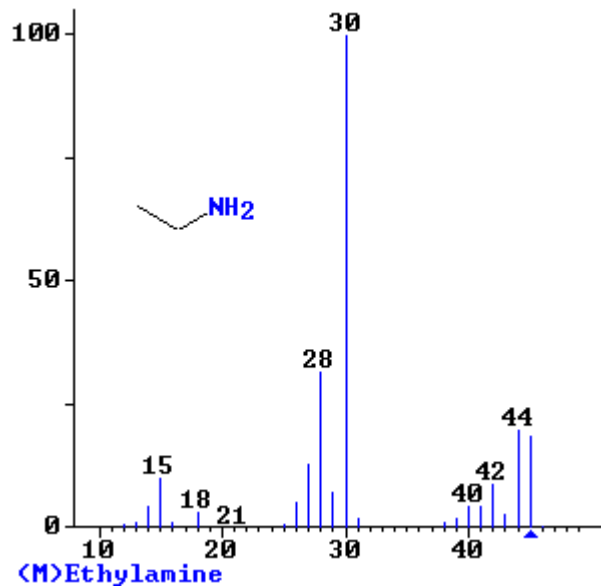
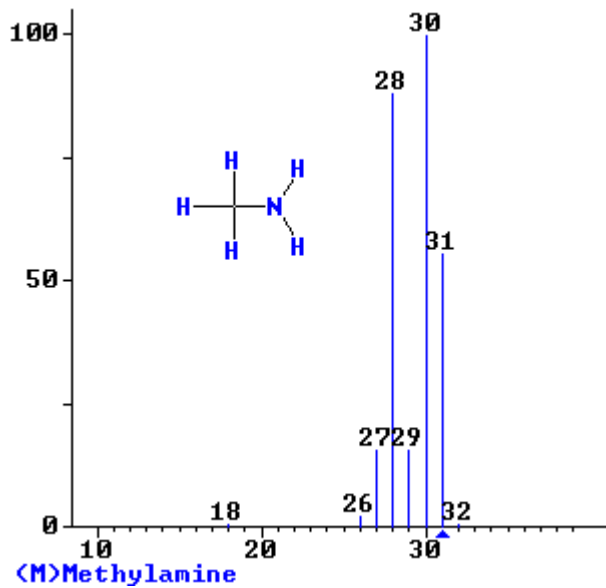


<M>Propane, 1-(1-methylethoxy)-

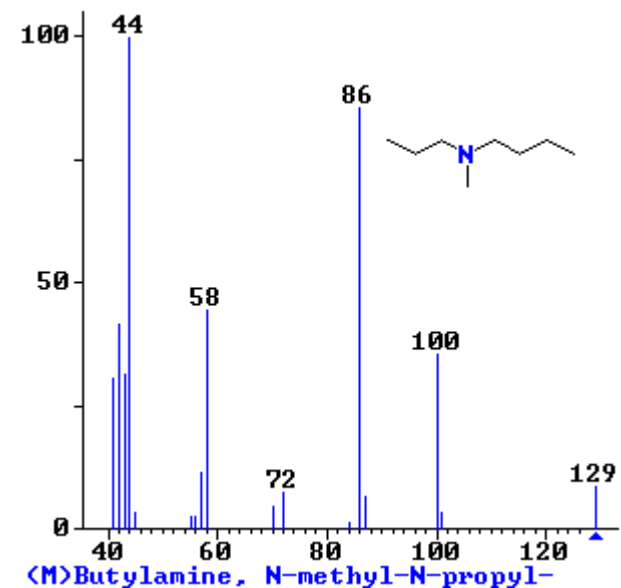
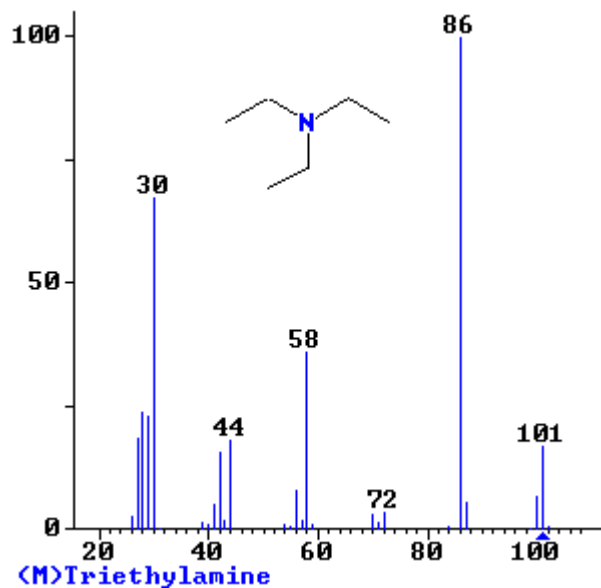
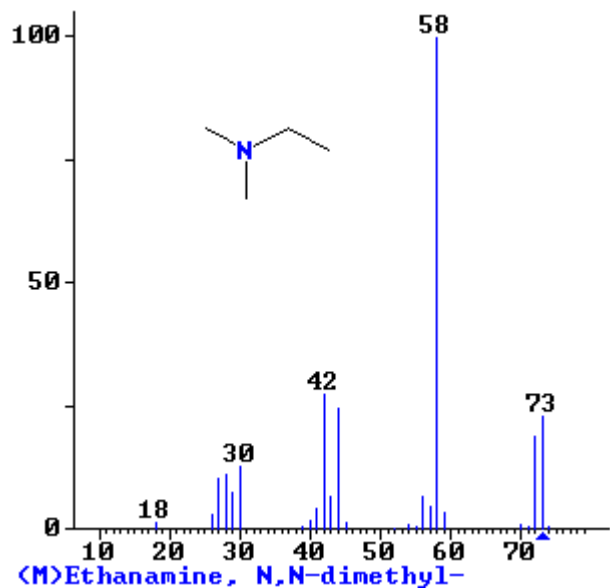
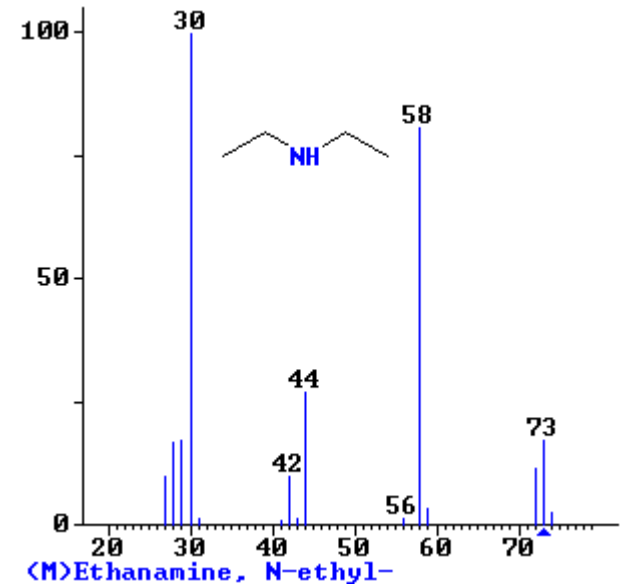
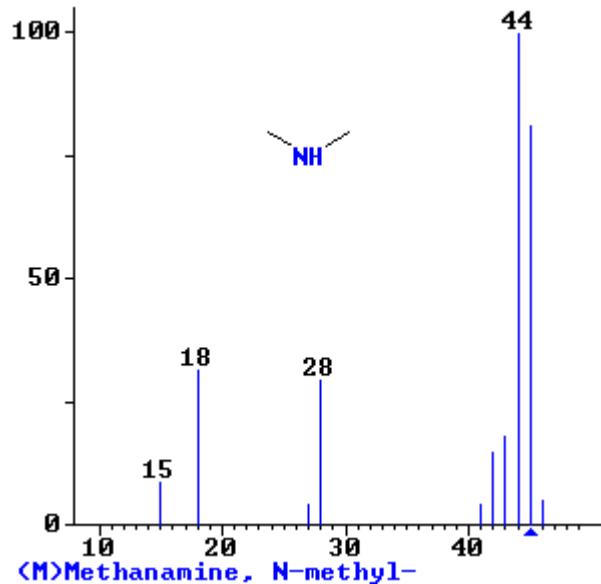
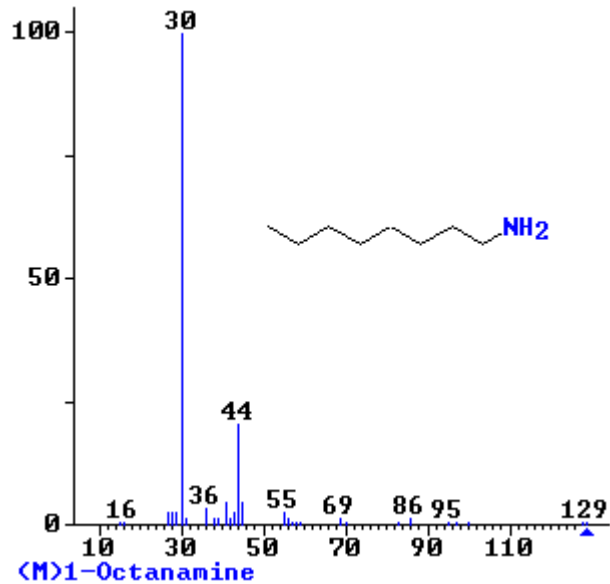


<M>Propane, 1-methoxy-2,2-dimethyl-

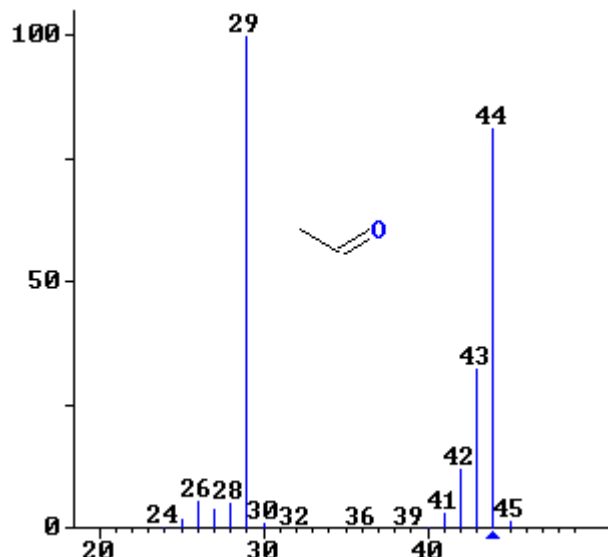
Aminy



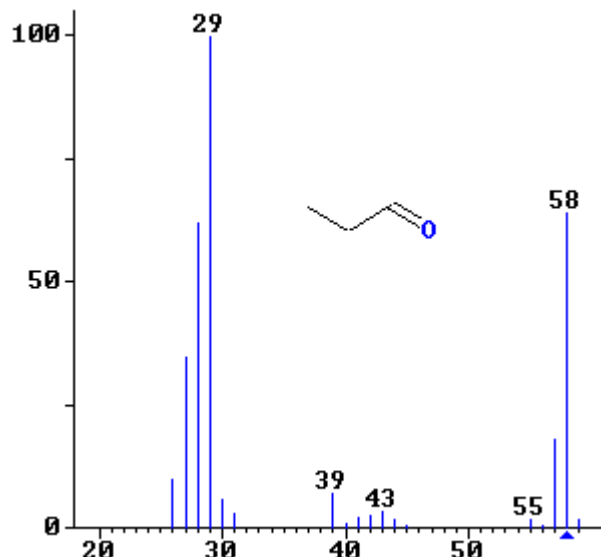
Aminy



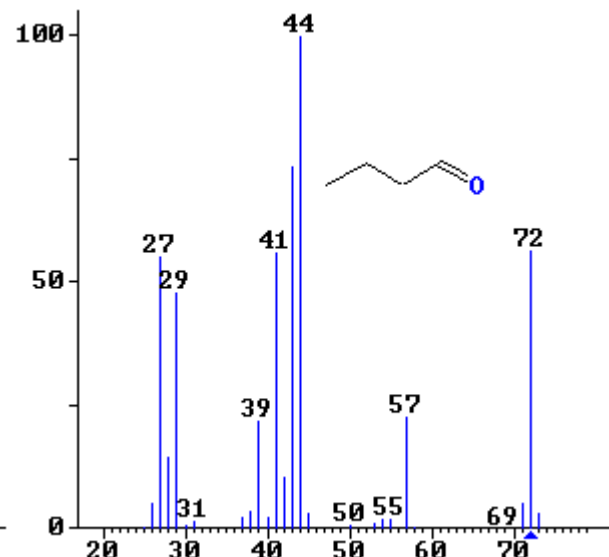
Aldehyde



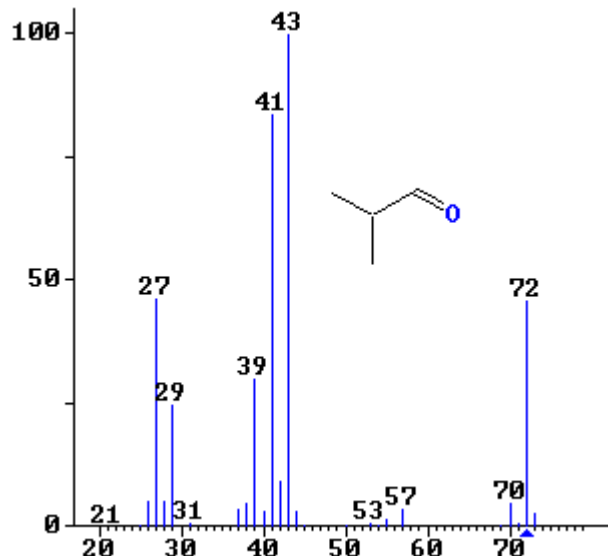
(M)Acetaldehyde



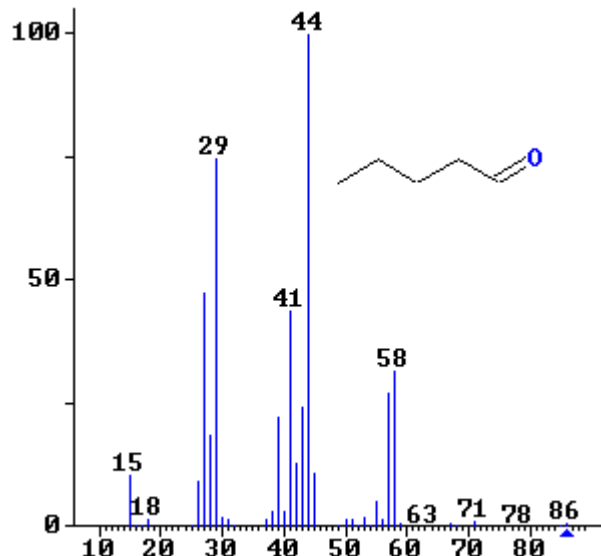
(M)Propanal



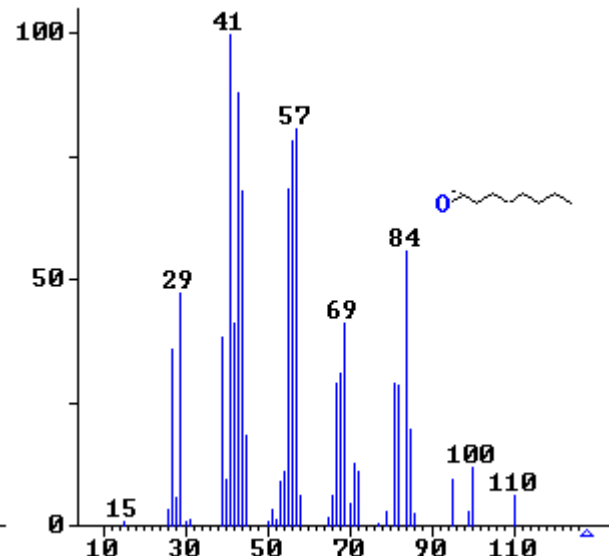
(M)Butanal



(M)Propanal, 2-methyl-

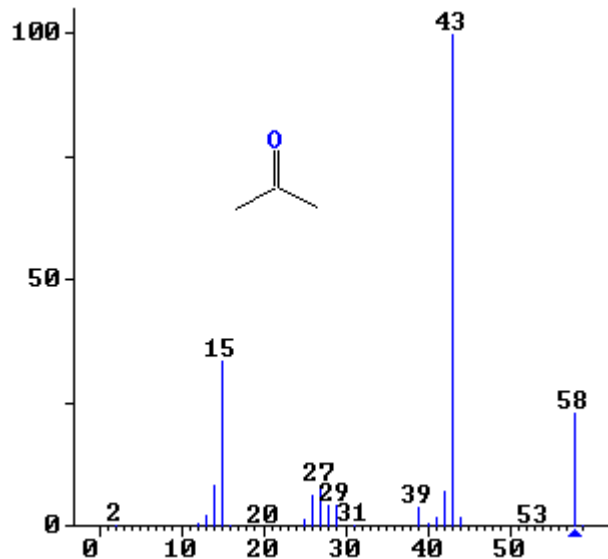


(M)Pentanal

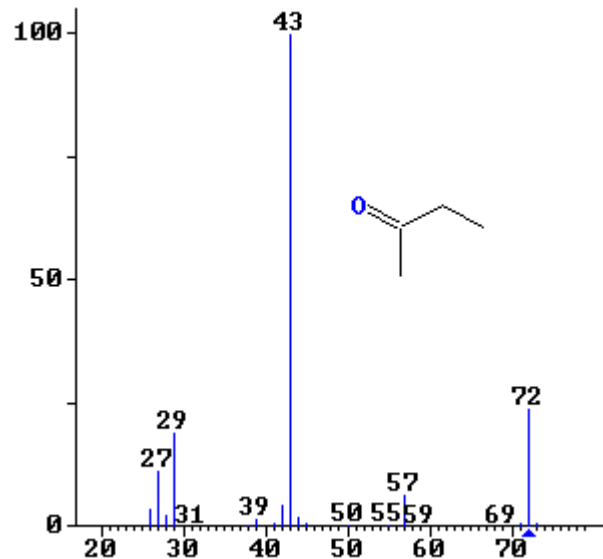


(M)Octanal

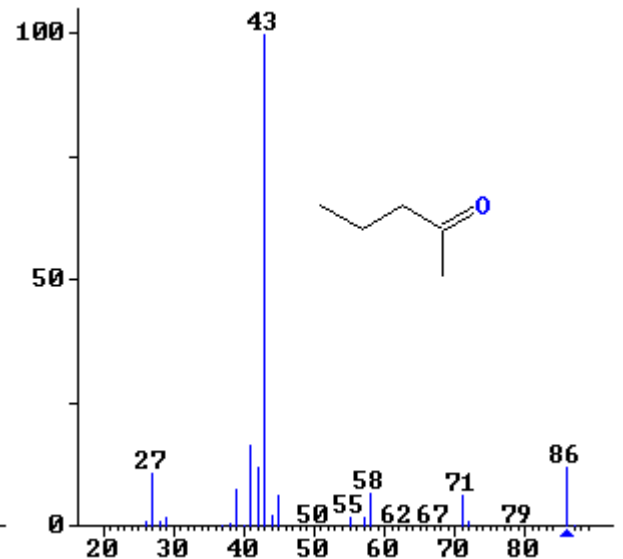
Ketony



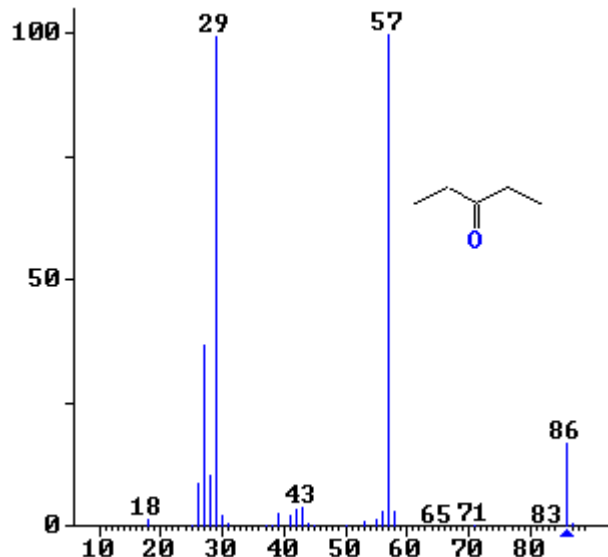
(M)Acetone



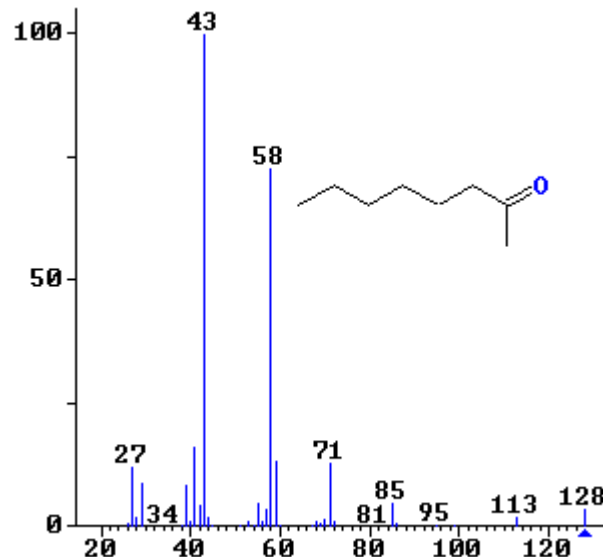
(M)2-Butanone



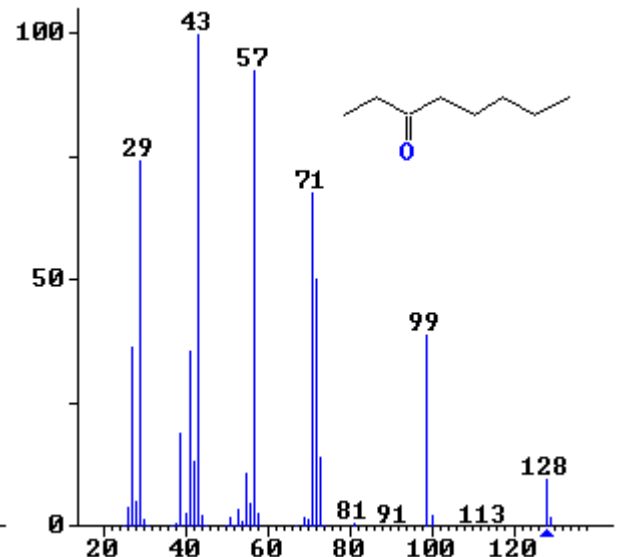
(M)2-Pentanone



(M)3-Pentanone

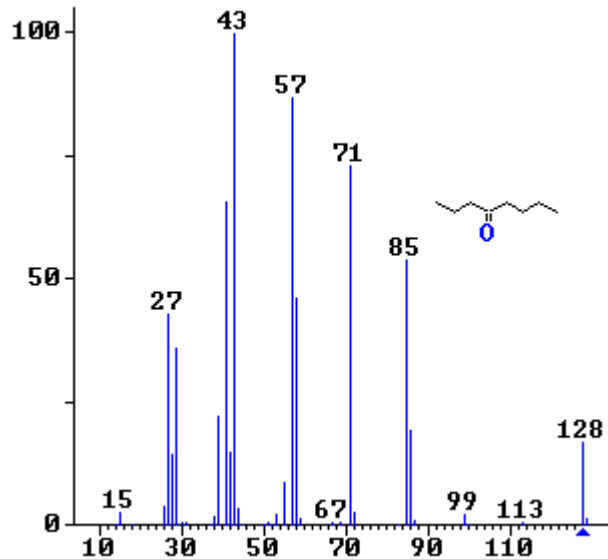


(M)2-Octanone

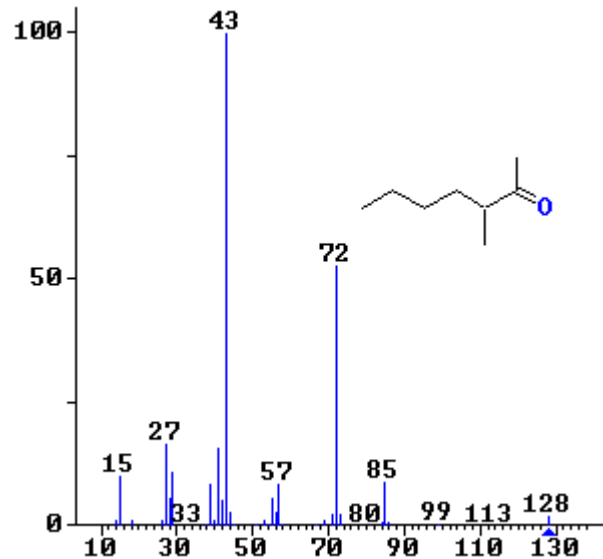


(M)3-Octanone

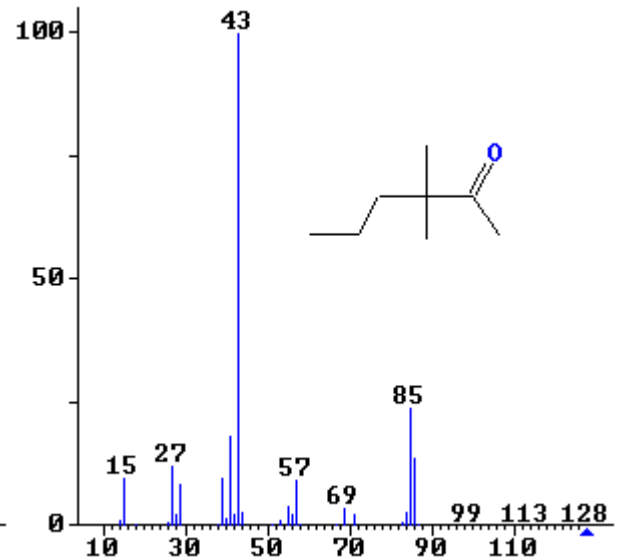
Ketony



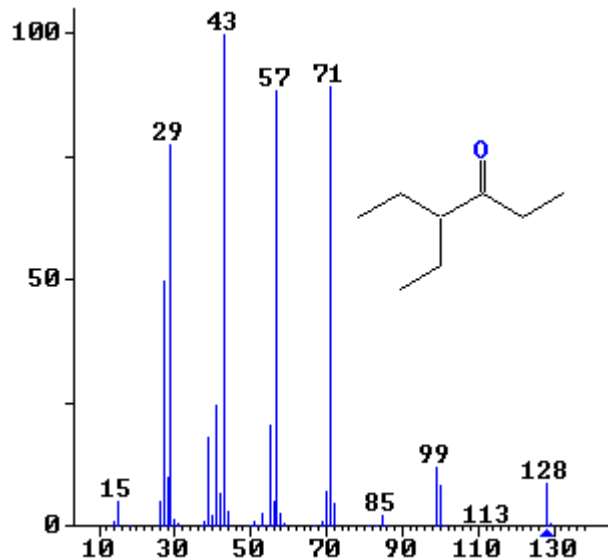
<M>4-Octanone



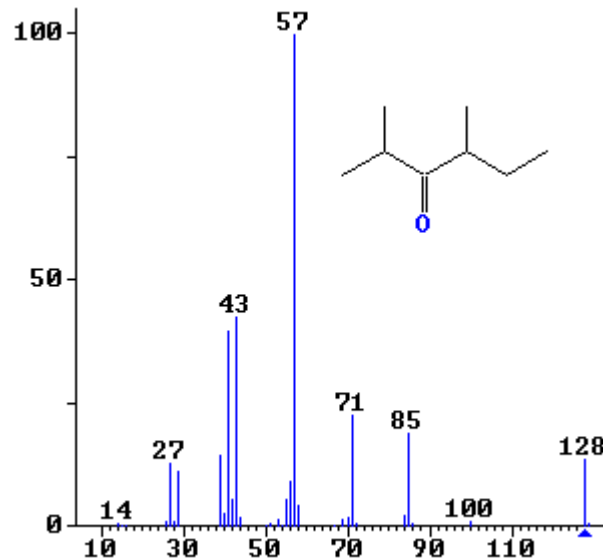
<M>2-Heptanone, 3-methyl-



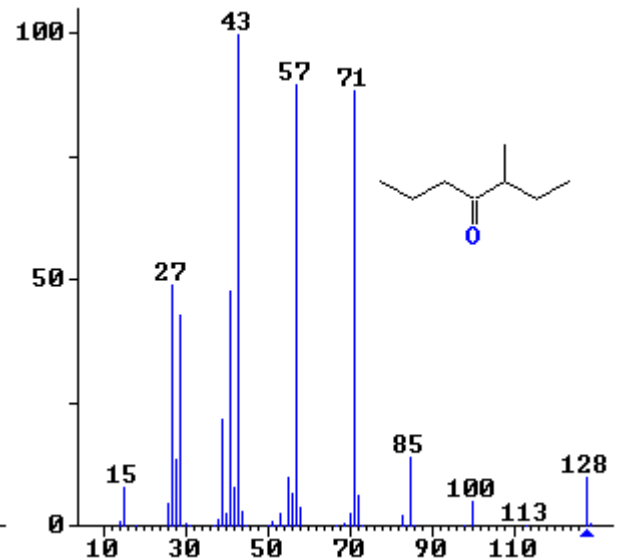
<M>2-Hexanone, 3,3-dimethyl-



<M>3-Hexanone, 4-ethyl-

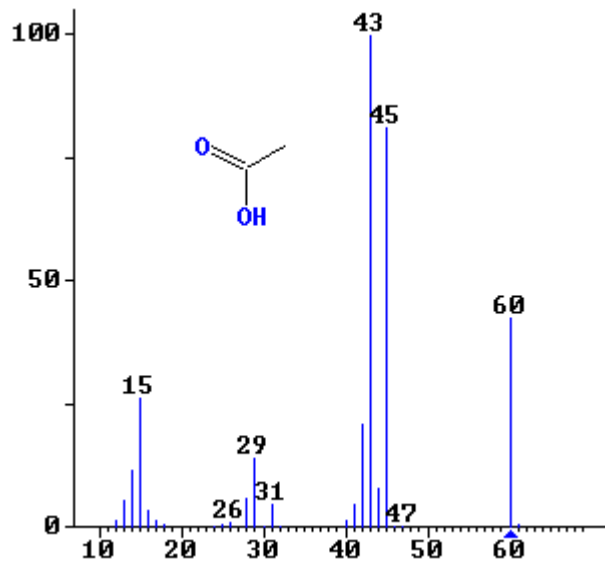


<M>3-Hexanone, 2,4-dimethyl-

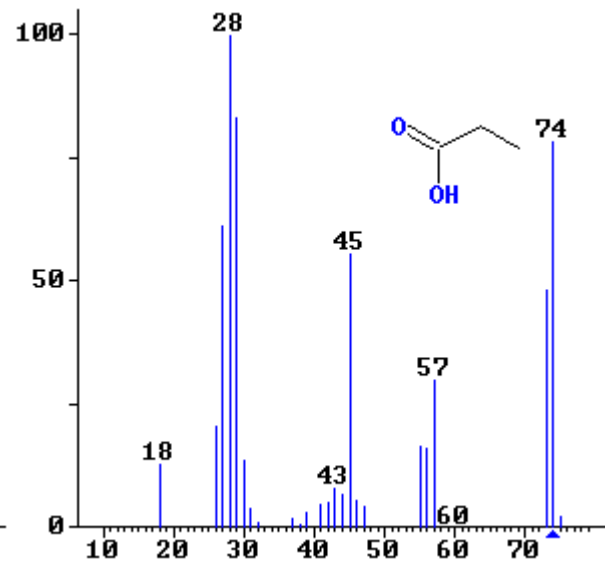


<M>4-Heptanone, 3-methyl-

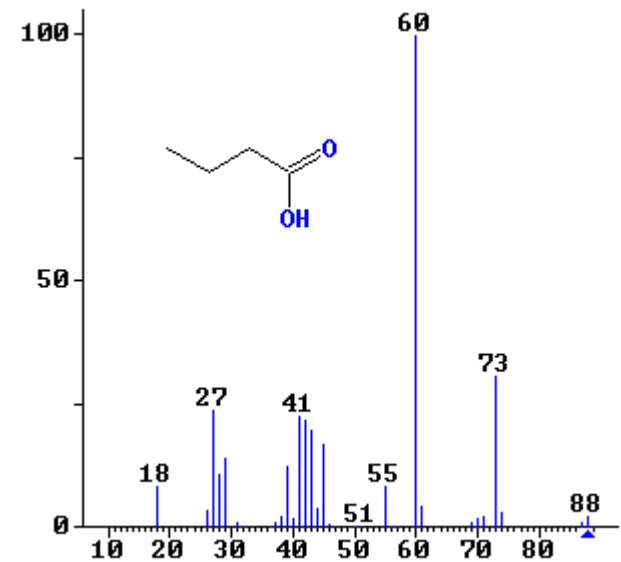
Kwasy karboksylowe



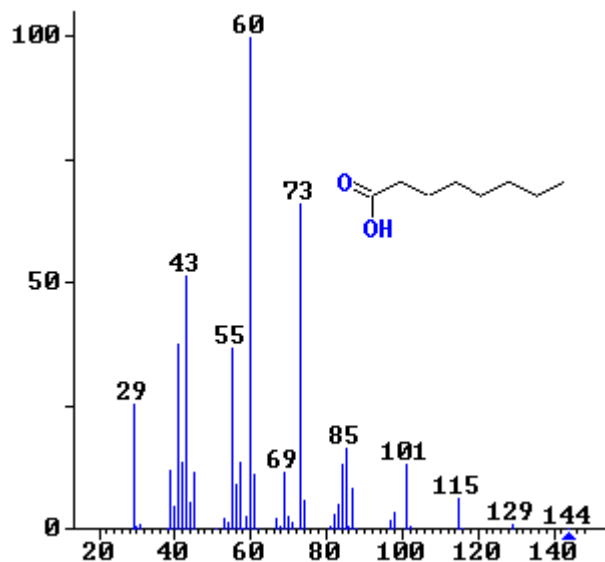
(M)Acetic acid



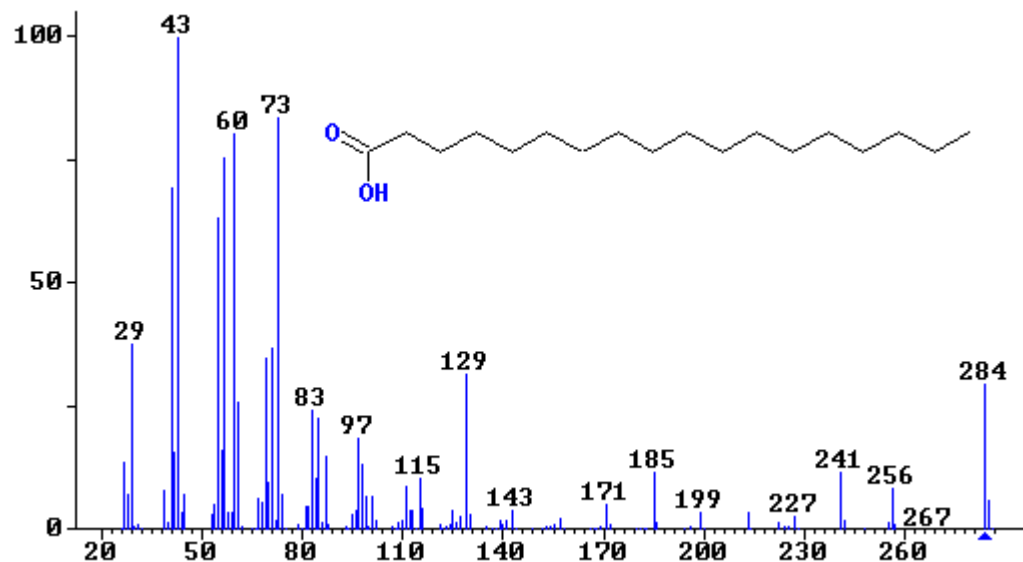
(M)Propanoic acid



(M)Butanoic acid

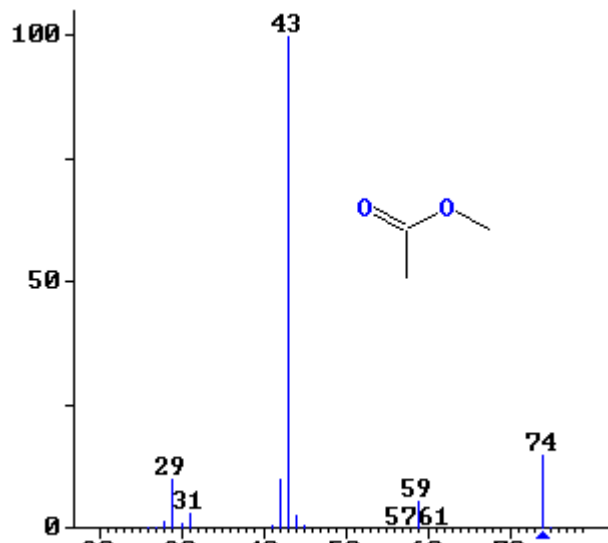


(M)Octanoic Acid

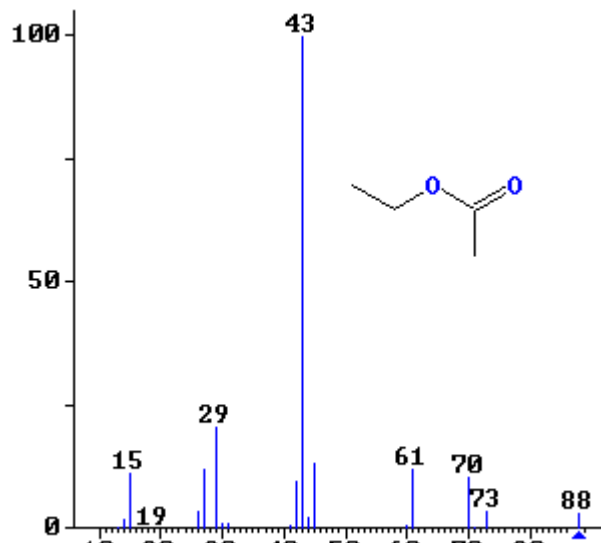


(M)Octadecanoic acid

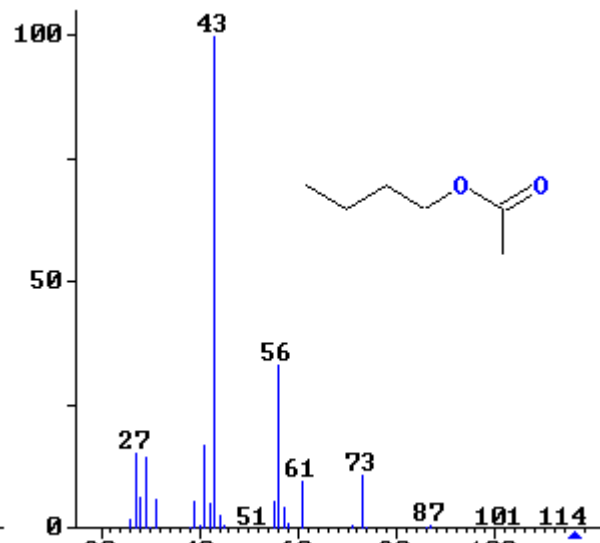
Estry



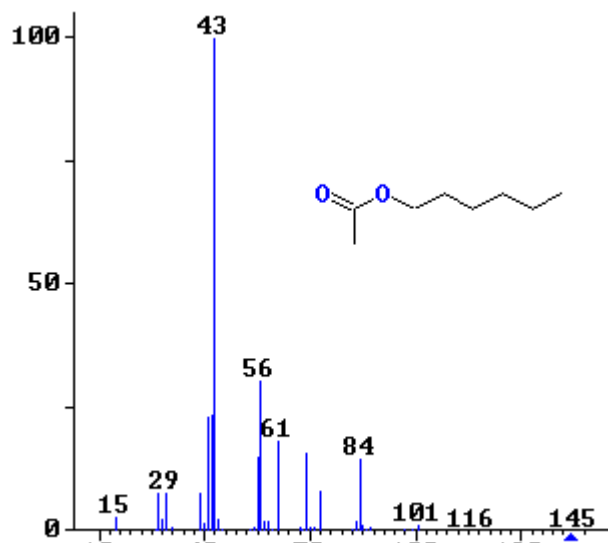
(M)Acetic acid, methyl ester



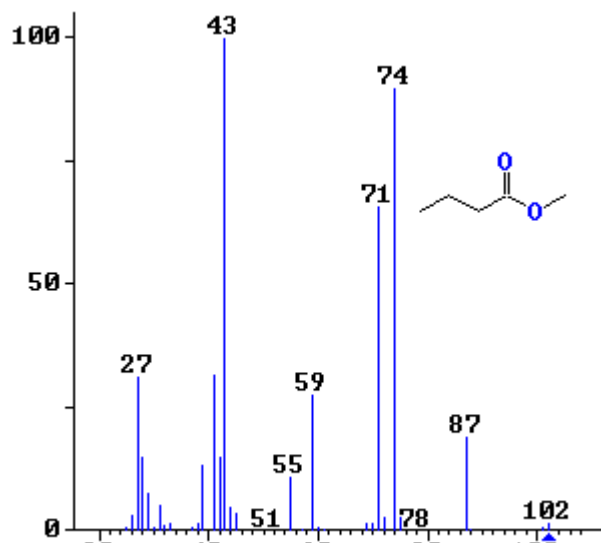
(M)Ethyl Acetate



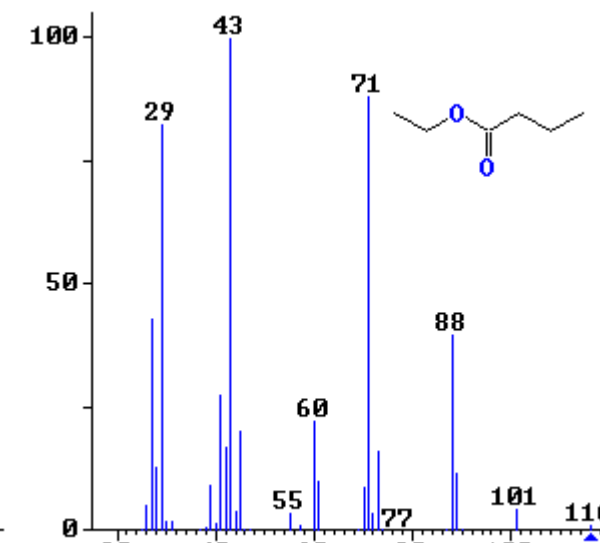
(M)Acetic acid, butyl ester



(M)Acetic acid, hexyl ester

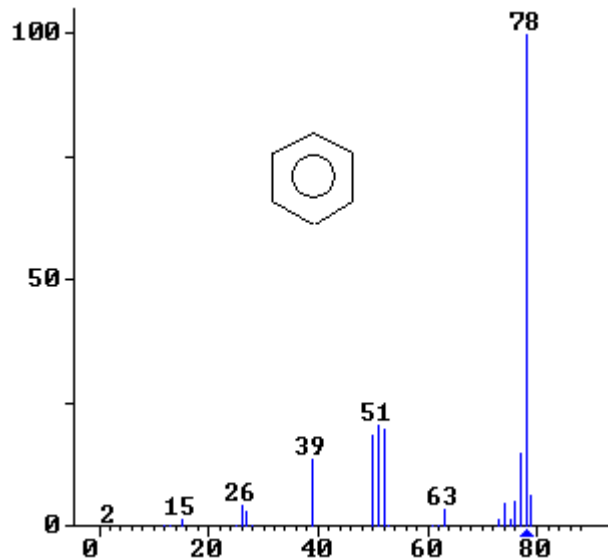


(M)Butanoic acid, methyl ester

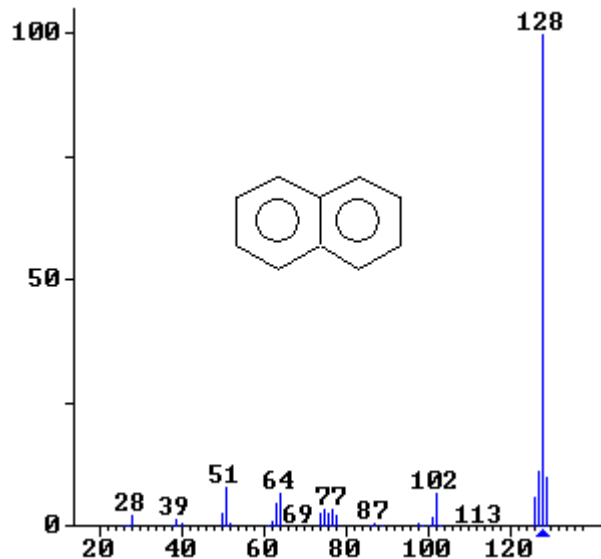


(M)Butanoic acid, ethyl ester

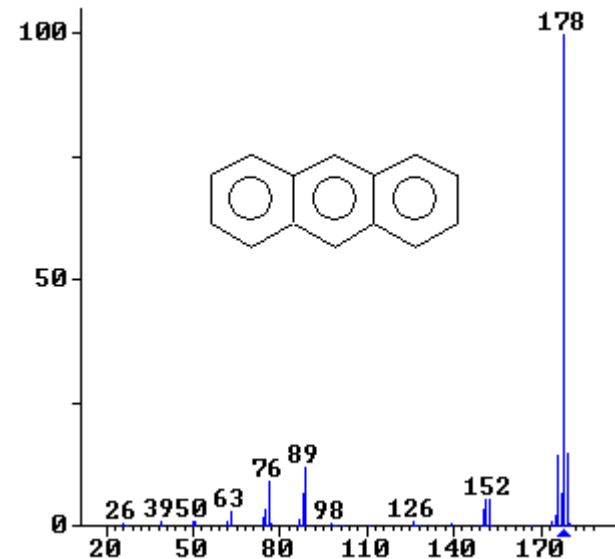
Niepodstawione areny i związki heterocykliczne



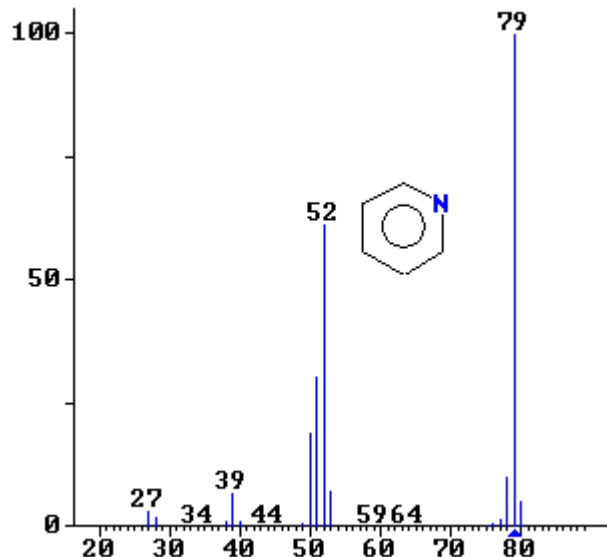
(M)Benzene



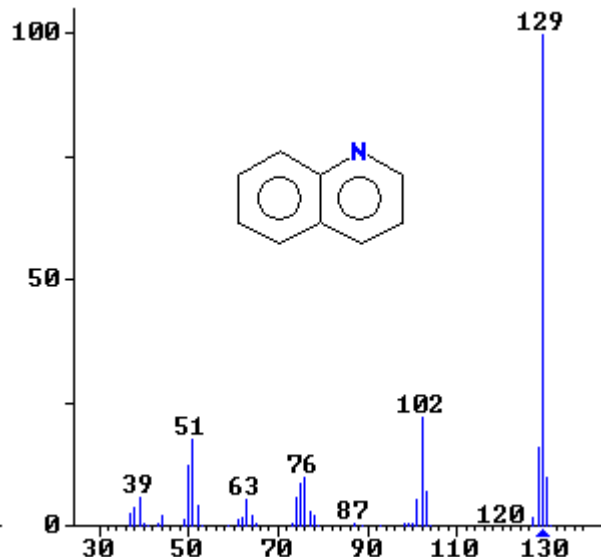
(M)Naphthalene



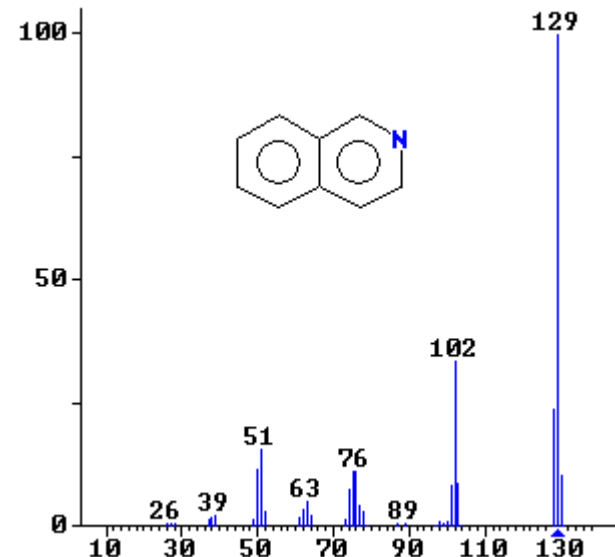
(M)Anthracene



(M)Pyridine

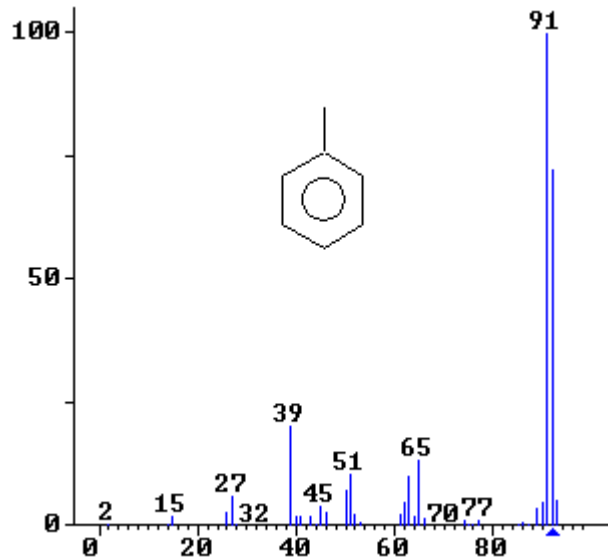


(M)Quinoline

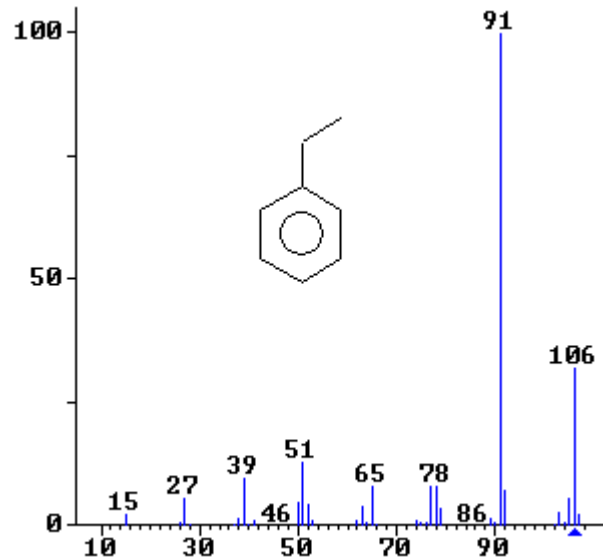


(M)Isoquinoline

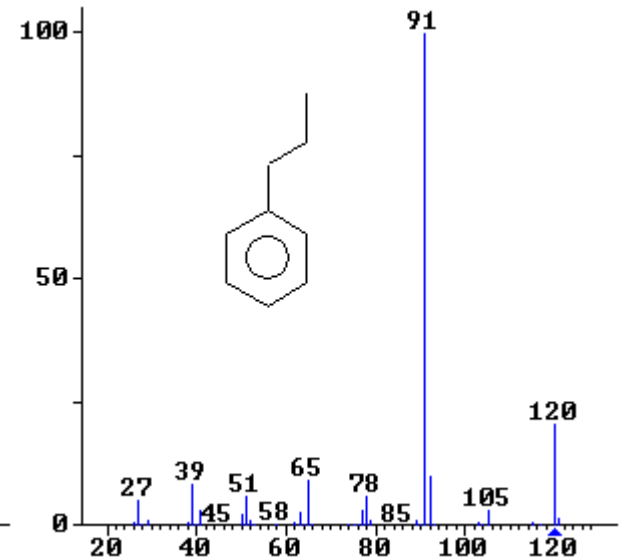
Alkilobenzeny



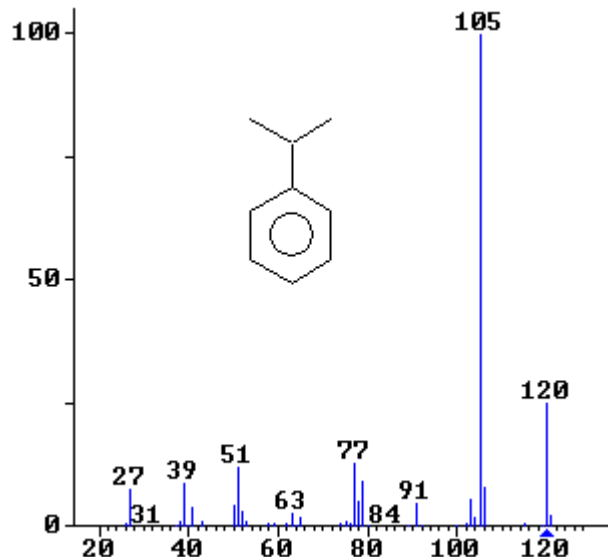
(M)Toluene



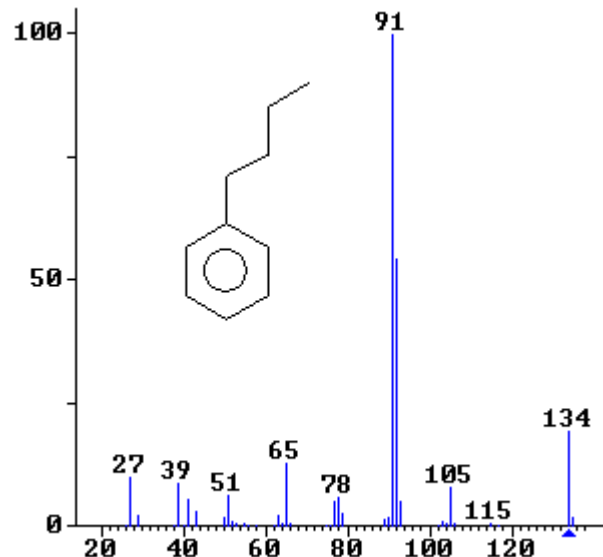
(M)Ethylbenzene



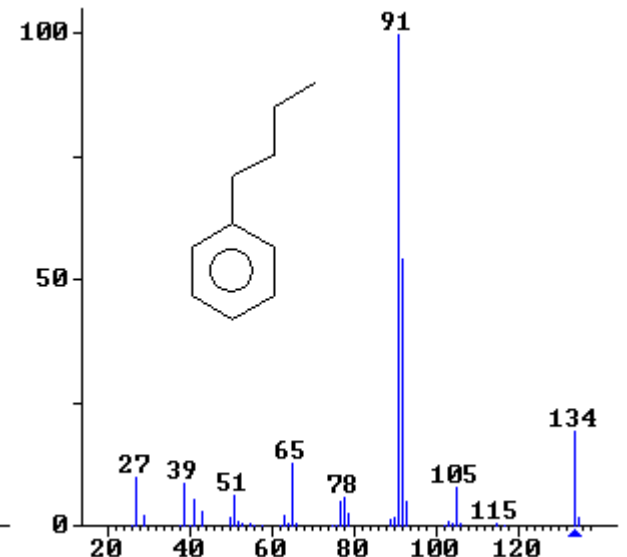
(M)Benzene, propyl-



(M)Benzene, (1-methylethyl)-

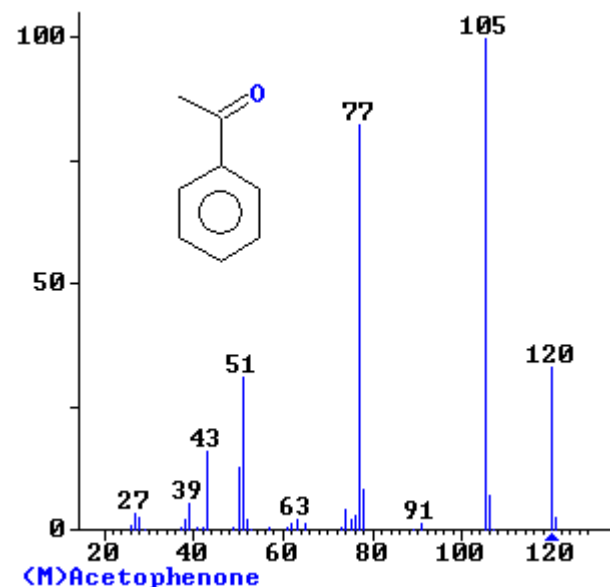
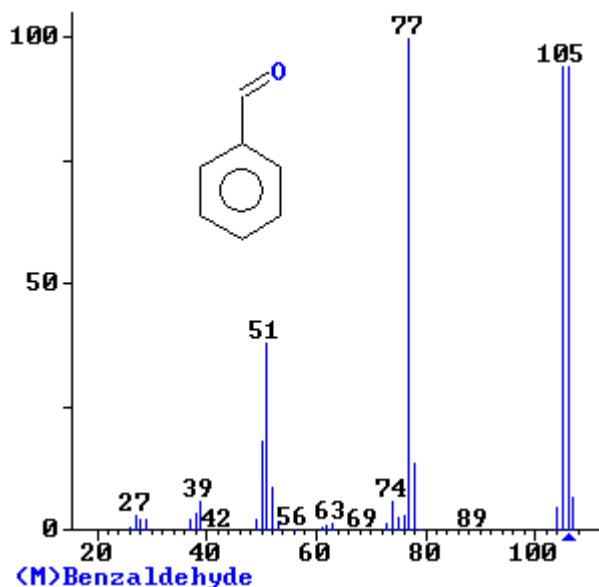
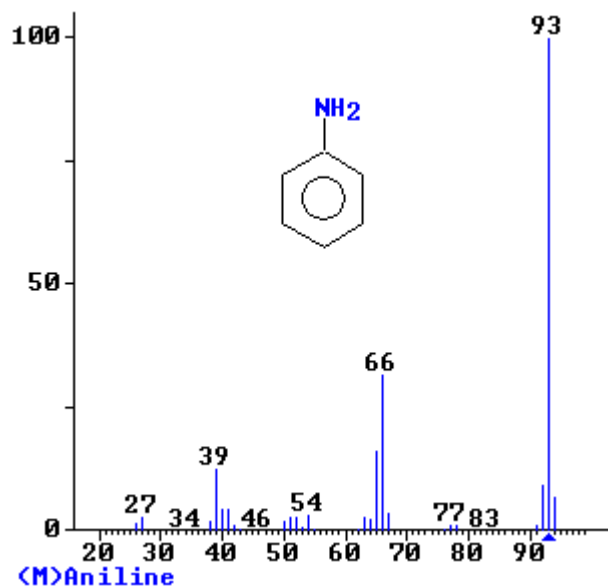
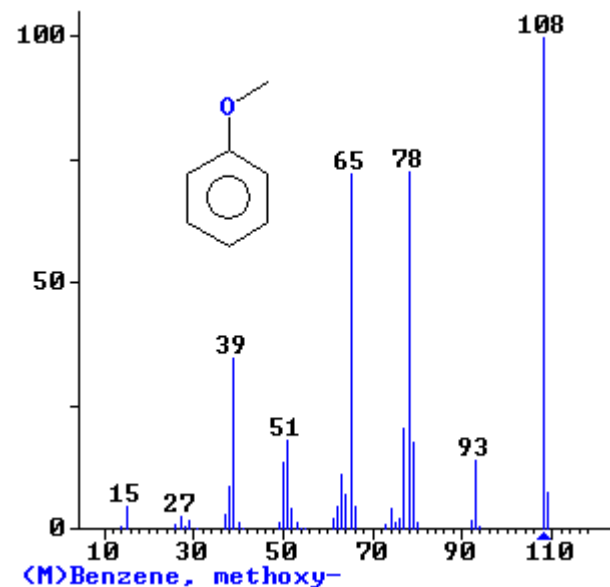
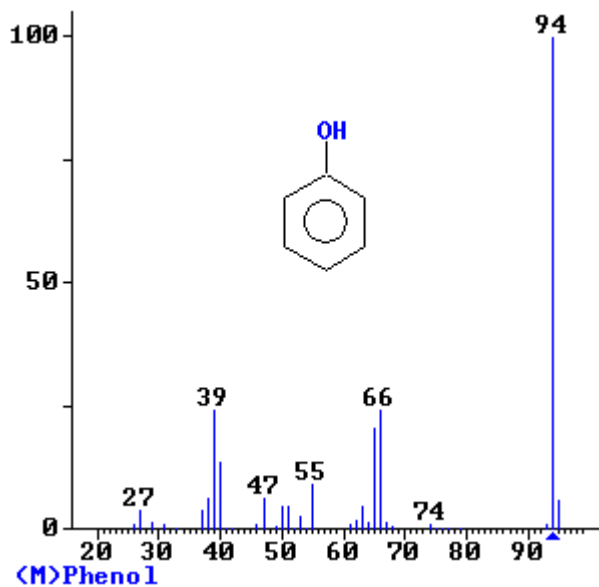
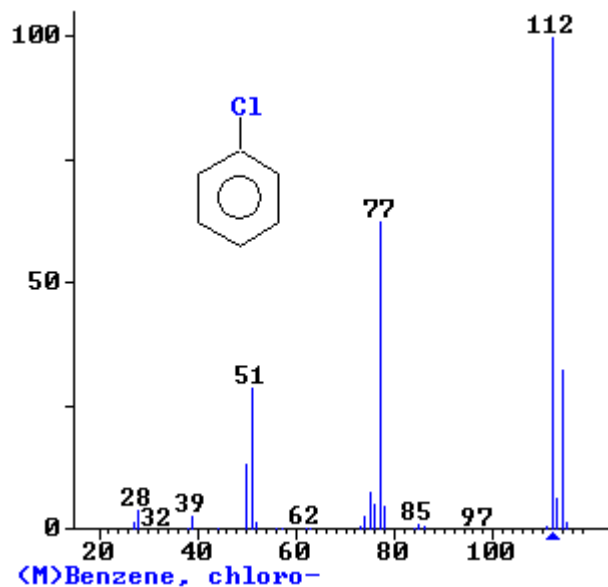


(M)Benzene, butyl-

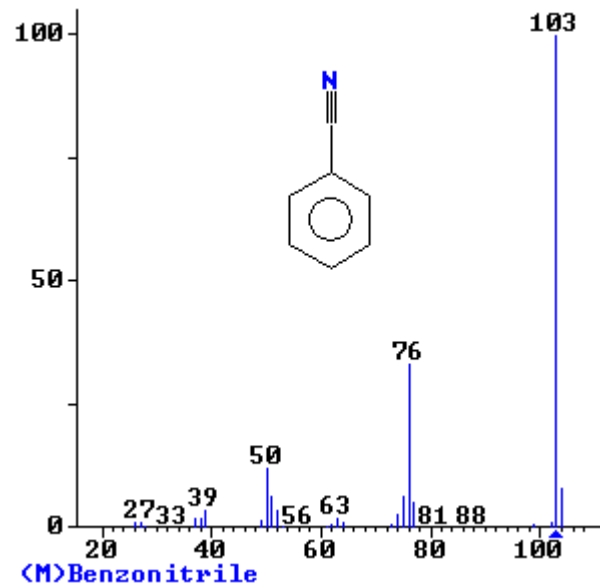
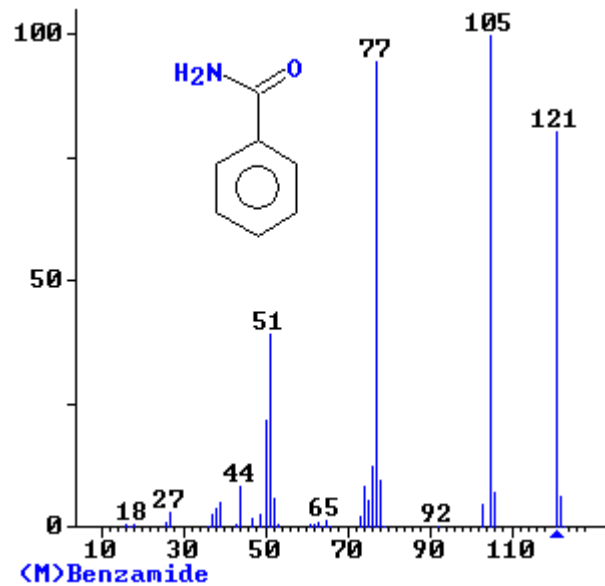
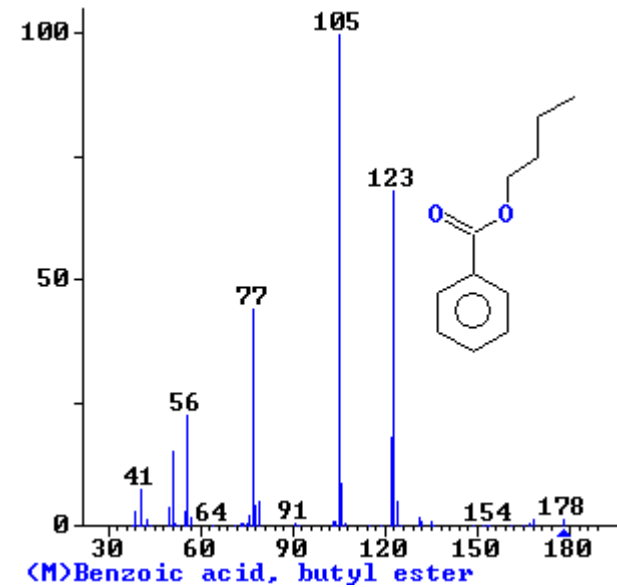
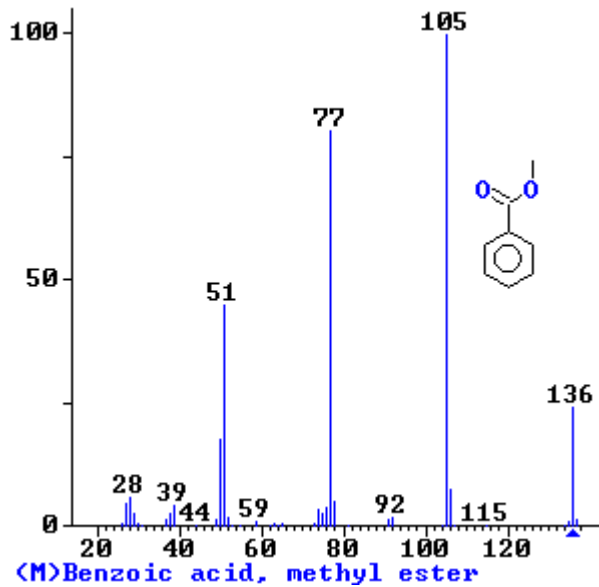
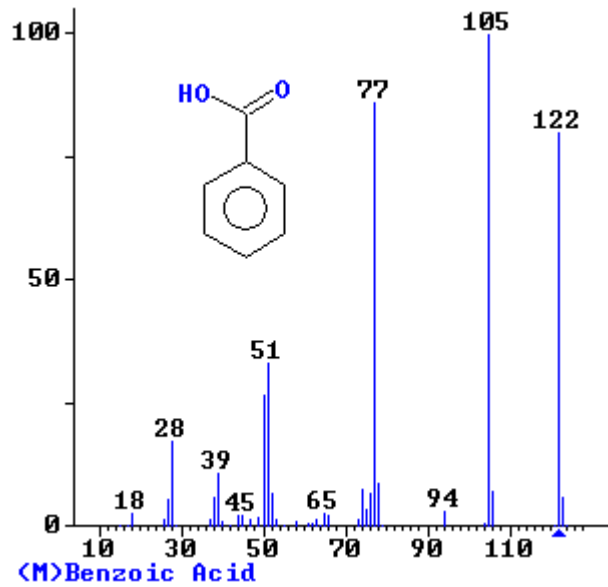


(M)Benzene, butyl-

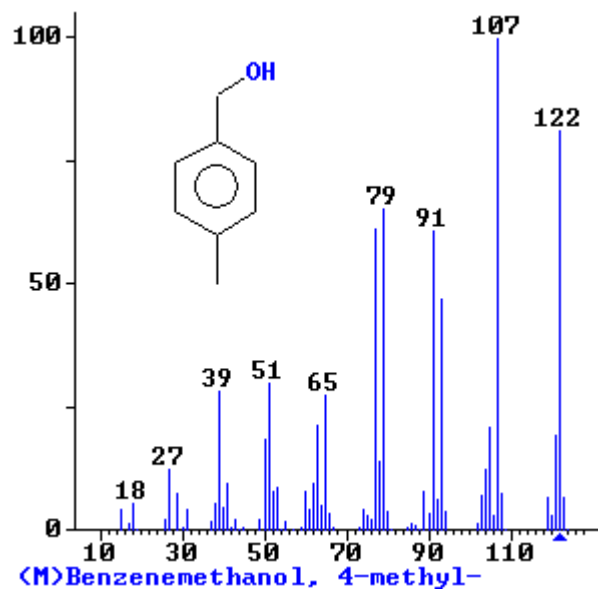
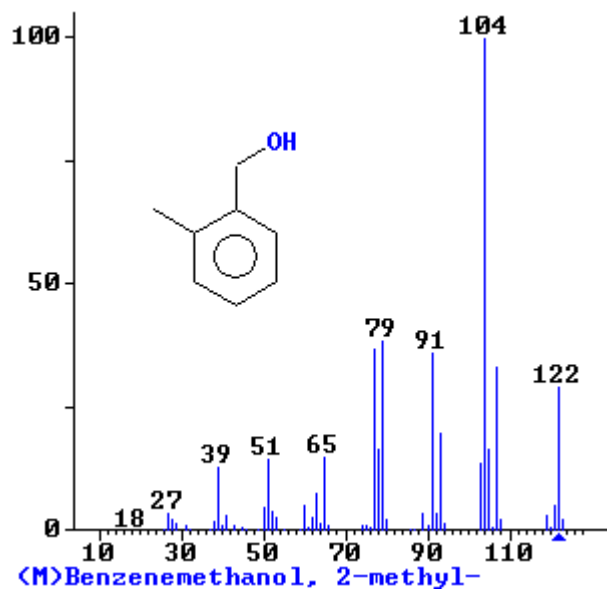
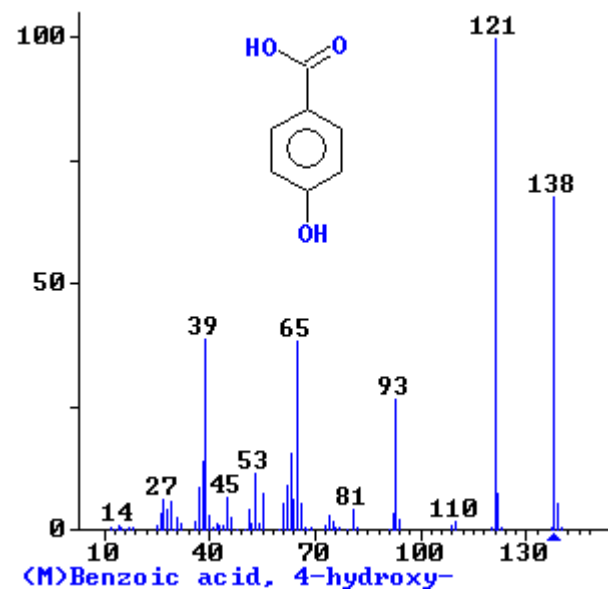
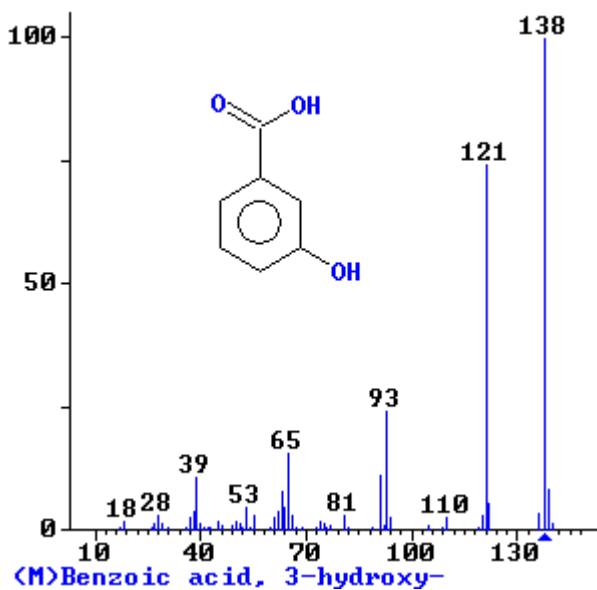
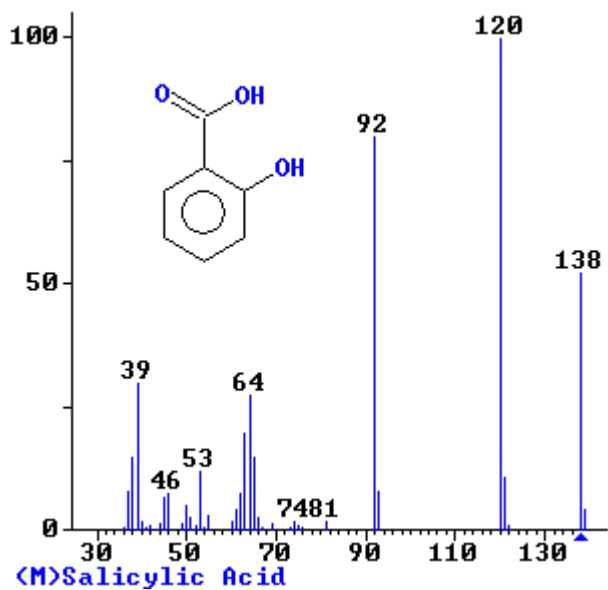
Monopodstawione benzeny



Monopodstawione benzeny



Dipodstawione benzeny



Dipodstawione benzeny

