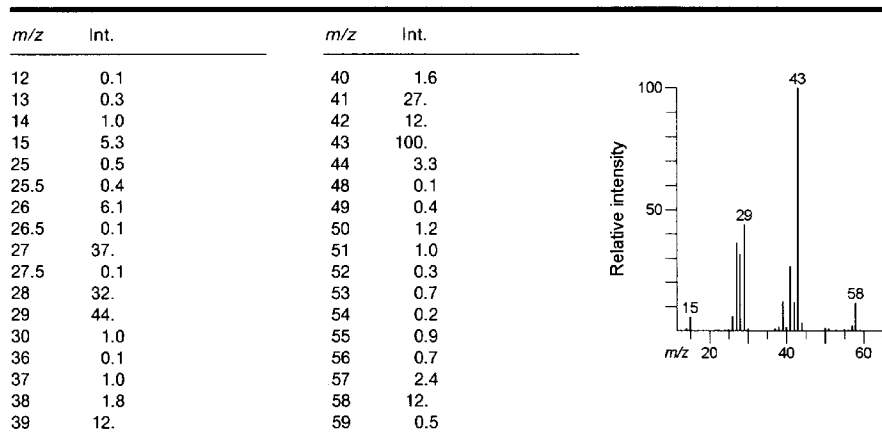


Chemistry 416, Dr. Glaser

Applications of Mass Spectroscopy: Isotope Patterns and Fragmentation.

In Unknown 2.4, calculate (after checking for (M+2) elements) the maximum number of carbon atoms in the ions m/z 43 and 58. The results indicate that m/z 43 is formed from m/z 58 by the loss of what group?

Unknown 2.4



The Unknown 2.5 has a small but important peak at m/z 80. The m/z 79 peak could not be consistently explained if the m/z 80 would be taken as indicative of ^{18}O . Why not. What is this compound?

Unknown 2.5

