

Introduction to Mass Spectral Interpretation II

Agilent Chemical Analysis Training Courses

H5319A

One Day Lecture Only

Description

Offers an understanding of fundamental fragmentation mechanisms to help identify unknown compounds from mass spectra.

Aids accurate and efficient compound identification by introducing two common decomposition mechanisms responsible for many fragment ions in mass spectra. Using these mechanisms can help determine an appropriate structure from among a number of possible isomers.

Course Outline

- Introduction of Alpha and Inductive Cleavage Mechanisms
- Application of these Mechanisms (to determine the structure of esters, keton, ethers, aldehydes, amines, halocarbons, acids, hydrocarbons, and alcohols)

Prerequisites

Introduction to Mass Spectral Interpretation I (H5313A) or equivalent. Students who cannot calculate molecular formulae from isotopic abundances will not be able to complete 50 percent of class problems.

Students should bring a calculator to aid problem solving.

Student Profile

Anyone performing mass spectral interpretation who can calculate a molecular formula and propose possible molecular structures.

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