DESCRIPTION

Due to its enormous sensitivity and ease of use, mass spectrometry has grown into the analytical tool of choice in most industries and areas of research. This unique reference provides an extensive library of methods used in mass spectrometry, covering applications of mass spectrometry in fields as diverse as drug discovery, environmental science, forensic science, clinical analysis, polymers, oil composition, doping, cellular research, semiconductor, ceramics, metals and alloys, and homeland security. The book provides the reader with a protocol for the technique described (including sampling methods) and explains why to use a particular method and not others. Essential for MS specialists working in industrial, environmental, and clinical fields.

ABOUT THE AUTHOR

Mike S. Lee is President of Milestone Development Services where he consults and develops workshops and symposia to support industry with innovative technologies and solutions. His research interests include the application of mass spectrometry for the analysis of proteins, natural products, drug metabolites, impurities, and degradants. Recently, he has been involved in the development of automated orthogonal control systems for electrospray ionization and the development of digital separation devices for sampling, separation, and enrichment.