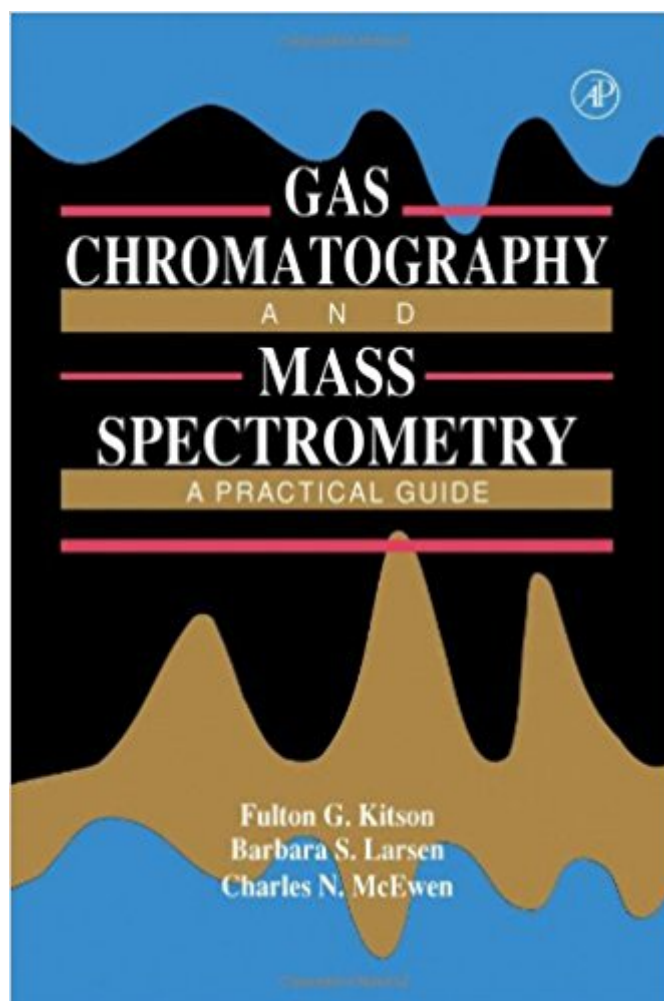




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Gas Chromatography And Mass Spectrometry: A Practical Guide



Synopsis

This guide provides, under one cover, a wealth of practical information designed to facilitate the effectiveness of the GC/MS user. Separation conditions for numerous compound types are provided along with derivatized and underivatized compounds. A section on how to interpret mass spectral data, an extensive correlation of ion masses and neutral losses with possible structures, and examples of mass spectra are provided to further aid structure determination. Also included are basic information on instrumentation, ionization methods, quantitation, tips on the operation of mass spectrometers, the best derivatization procedures for a variety of compound types, troubleshooting techniques, and a variety of other information found to be useful to the practicing user of GC/MS instrumentation. This guide would be immediately valuable to the novice as well as the experienced GC/MS user who may not have the breadth of experience covered in this book. Key Features*

- Condenses and organizes recent and essential information for new and experienced GC/MS users*
- Comprehensively indexed and referenced*
- Includes practical methods of analysis*
- Serves as a text reference for short practical courses on the subject

Book Information

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"The most distressing aspect of GC/MS: A Practical User's Guide is the similarity of its title to Gas Chromatography and Mass Spectrometry: A Practical Guide by Kitson, Larsen, and McEwen.... The Kitson et al. book is very useful to the practicing GC/MS user; and, hopefully, potential readers will not be confused by this similarity in titles."--JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROSCOPY

This guide provides under one cover a wealth of practical information designed to enhance the effectiveness of the GC/MS user. Separation conditions for numerous compound types are provided along with those for derivatized and underivatized compounds. A section on how to interpret mass spectral data, extensive correlations of ion masses and neutral losses with possible structures, and examples of mass spectra are provided to further aid structure determination. Also included are basic information on instrumentation, ionization methods, and quantitation; tips on the operation of mass spectrometers; the best derivatization procedures for a variety of compound types; troubleshooting techniques; and a variety of other information helpful to the practicing user of GC/MS instrumentation. Gas Chromatography and Mass Spectrometry is of immediate value to the novice as well as to the experienced GC/MS user who may not have the breadth of knowledge covered in this book.

This book is by far my number one reference book for initial interpretation of EI data. If you are looking for a book that will help you with chromatography conditions and subsequent interpretation of EI data based on the various classes of compounds, then get this book. I don't think you will be disappointed. If you are looking for a book that delves into instrument theory and trouble shooting, then you will be very disappointed. As the title says this is a "practical guide".

This book did not offer what I was looking for. Mostly, it is a mass spectra interpretation guide but not a practical guide on Gas Chromatography or Mass Spectrometry. Persons wanting to buy this book need to know that there are no references to the troubleshooting of the instrument. This book is just a reference for interpretation of mass spectra not for analytical work.

This is by far the best GC-MS reference book on my bookshelf, and for every job I done on GC-MS to identify unknown compounds, I always can find something useful from the book, especially when the computer-aided MS spectra library search gives you unsure identification.

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