

## Spectrometric Identification Of Organic Compounds 8th

The Systematic Identification of Organic Compounds  
Detection and Identification of Organic Compounds  
Spectrometric Identification of Organic Compounds  
Methods for the Determination of Organic Matter in Air  
Spectrometric Identification of Organic Compounds  
Detection and Identification of Organic Compounds  
The Preparation, Properties, Chemical Behavior and Identification of Organic Chlorine Compounds  
The Systematic Identification of Organic Compounds, Set  
Spectrometric Identification of Organic Compounds  
The Identification of Organic Compounds  
A Method for the identification of pure organic compounds by a systematic analytical procedure based on physical properties and chemical reactions ... v. 1, 1911  
Catalog of Books and Reports in the Bureau of Mines Technical Library, Pittsburgh, Pa  
A manual of organic chemistry, practical and theoretical  
Guide to Spectroscopic Identification of Organic Compounds  
Outlines of Proximate Organic Analysis for the Identification, Separation, and Quantitative Determination of the More Commonly Occuring Organic Compounds  
SPECTROMETRIC IDENTIFICATION OF ORGANIC COMPOUNDS, 6TH ED  
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A Method for the Identification of Pure Organic Compounds by a Systematic Analytical Procedure Based on Physical Properties and Chemical Reactions ...  
Separation and Identification of Organic Compounds  
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Ralph L. Shriner Miroslav Vecera Robert M. Silverstein David Hendricks Bergey Robert M. Silverstein Miroslav Vecera Ernest Hamlin Huntress Christine K. F. Hermann Robert M. Silverstein G.B. Neave Samuel Parsons Mulliken United States. Bureau of Mines. Technical Library, Pittsburgh Hugh Clements Karen Feinstein Albert Benjamin Prescott Robert Silverstein & Francis Webster N. D. Cherouis George Ballingall Neave Samuel Parsons Mulliken Stanley Horwood Tucker  
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a Systematic Analytical Procedure Based on Physical Properties and Chemical Reactions ... Separation and Identification of Organic Compounds Identification of Organic Compounds *Ralph L. Shriner Miroslov Vecera Robert M. Silverstein David Hendricks Bergey Robert M. Silverstein Miroslov Vecera Ernest Hamlin Huntress Christine K. F. Hermann Robert M. Silverstein G.B. Neave Samuel Parsons Mulliken United States. Bureau of Mines. Technical Library, Pittsburgh Hugh Clements Karen Feinstein Albert Benjamin Prescott Robert Silverstein & Francis Webster N. D. Cherouis George Ballingall Neave Samuel Parsons Mulliken Stanley Horwood Tucker*

first written in 1935 shriner remains a classic text in the field coauthor christine hermann has introduced modern methods and topics and completely updated the illustration and photo program the book is ideal for the advanced organic lab and for spectroscopy courses

the american edition of our monograph is not a mere translation of the czech edition which appeared some five years ago we have had to respect the fact that even such a short period has sufficed for progress in this field and that the field of application of methods of organic analysis has widened we have therefore revised a number of chapters in part 1 the general part of the monograph mainly those devoted to chromatographic methods which have been extended and complemented by methods of thin layer chromatography and electrophoresis the chapters on the theory of color reactions and on analytical literature have also been extended the chapter on spectral methods has been extended by including the use of proton magnetic resonance in organic analysis and the list of references has been enlarged by adding books of importance for organic analysis in part 2 the part dealing specifically with various elements and chemical groups we have extended the chapters on solubility and on acids and bases the methods for the detection and identification of given classes of compounds have also been supplemented by references to recent papers

first published over 40 years ago this was the first text on the identification of organic compounds using spectroscopy this text presents a unified approach to the structure determination of organic compounds based largely on mass spectrometry infrared ir spectroscopy as well as multinuclear and multidimensional nuclear magnetic resonance nmr spectroscopy the key strength of this text is the extensive set of practice and real data problems in chapters 7 and 8 even professional chemists use these spectra as reference data spectrometric identification of organic compounds is written by and for organic chemists and emphasizes the synergistic effect resulting from the interplay of spectra this text is characterized by its problem solving approach with numerous practice problems and extensive reference charts and tables

teaches identification of organic compounds from complementary information concerning the following spectra mass infrared proton nmr <sup>13</sup>c nmr and uv covers each area of spectrometry demonstrates the integration of all information in structure elucidation and presents sets of spectra for solution includes extensive reference tables and charts

this book is characterized by its problem solving approach with extensive reference charts and tables first published in 1962 this was the first book on the identification of organic compounds using spectroscopy now considered a classic it can be found on the shelf of every organic chemist the key strength of this text is the extensive set of real data problems in chapters 8 and 9 even professional chemists use these spectra as reference data spectrometric identification of organic compounds is written by and for organic chemists and emphasizes the synergistic effect resulting from the interplay of the spectra

guide to spectroscopic identification of organic compounds is a practical how to book with a general problem solving algorithm for determining the structure of a molecule from complementary spectra or spectral data obtained from ms ir nmr or uv spectrophotometers representative compounds are analyzed and examples are solved solutions are eclectic ranging from simple and straightforward to complex a picture of the relationship of structure to physical properties as well as to spectral features is provided compounds and their derivatives structural isomers straight chain molecules and aromatics illustrate predominant features exhibited by different functional groups practice problems are also included guide to spectroscopic identification of organic compounds is a helpful and convenient tool for the analyst in interpreting organic spectra it may serve as a companion to any organic textbook or as a spectroscopy reference its size allows practitioners to carry it along when other tools might be cumbersome or expensive

market desc organic and analytical in the forensics chemical and pharmaceutical industries special features a how to hands on teaching manual considerably expanded nmr coverage nmr spectra can now be interpreted in exquisite detail new chapters on correlation nmr spectrometry 2 d nmr and spectrometry of other important nuclei uses a problem solving approach with extensive reference charts and tables an extensive set of real data problems offers a challenge to the practicing chemist about the book the book provides a thorough introduction to the three areas of spectrometry most widely used in spectrometric identification mass spectrometry infrared spectrometry and nuclear magnetic resonance spectrometry

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