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Edizione	[Second, Pearson new international edition.]
Descrizione fisica	1 online resource (463 pages)
Collana	Always Learning
Disciplina	547.122
Soggetti	Organic compounds - Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover -- Table of Contents -- 1. Introduction -- 2. Introduction to Structural Spectroscopy -- 3. The Chemical Shift -- 4. The Coupling Constant -- 5. Further Topics in One-Dimensional NMR -- 6. Two-Dimensional NMR Spectroscopy -- 7. Mass Spectrometry: Instrumentation -- 8. Fragmentation and Ion Activation Methods -- 9. Interpretation of Mass Spectra -- 10. Quantitative Applications -- 11. Introduction to Infrared and Raman Spectroscopy -- 12. Group Frequencies -- 13. Introduction and Experimental Methods -- 14. Structural Analysis -- Index -- 1 -- 2.
Sommario/riassunto	Organic Structural Spectroscopy authoritatively presents the fundamentals of all four principal spectroscopic methods: nuclear magnetic resonance spectroscopy, mass spectrometry, infrared spectroscopy, and ultraviolet-visible spectroscopy. Each topic is examined in depth by an experienced author who is a practicing expert in that area. The material is easy to grasp, beginning at the most elementary level and progressing to the level required for organic research. Among many other enhancements, the Second Edition offers an entirely new discussion of mass spectrometry, with comprehensive coverage of new ionization and fragmentation methods, and treatment of NMR from the basics to advanced 2D methods.