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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	section 1. Laboratory analytical instrumentation -- section 2. Portable analytical instrumentation -- section 3. Process analytical instrumentation -- section 4. Miniaturised analytical instrumentation.
Sommario/riassunto	This valuable resource covers the principles of analytical instrumentation used by today's chemists and biologists and presents important advances in instrumentation, such as the drive to miniaturise and lab-on-a-chip devices. In terms of the lab-based analytical instrumentation, the five main categories of technique-spectroscopic, chromatographic, electrochemical, imaging and thermoanalytical, are included and presented in a practical, not theoretical way. Including relevant examples and applications in a number of fields such as healthcare, environment and pharmaceutical industry this book