1. Record Nr. UNINA9911019442503321

Autore	Boyd Bob <1938->
Titolo	Trace quantitative analysis by mass spectrometry / / Robert K. Boyd, Cecilia Basic, Robert A. Bethem
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, N.J., : John Wiley & Sons, c2008
ISBN	9786612138126 9781119964391 1119964393 9781282138124 128213812X 9780470727140 0470727144 9780470727157 0470727152
Descrizione fisica	1 online resource (750 p.)
Altri autori (Persone)	BasicCecilia BethemRobert
Disciplina	543.65 543/.65
Soggetti	Mass spectrometry Analytical chemistry - Quantitative
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [685]-707) and index.
Nota di contenuto	Trace Quantitative Analysis by Mass Spectrometry; Contents; Preface; Acknowledgements; 1 Measurement, Dimensions and Units; 2 Tools of the Trade I. The Classical Tools; 3 Tools of the Trade II. Theory of Chromatography; 4 Tools of the Trade III. Separation Practicalities; 5 Tools of the Trade IV. Interfaces and Ion Sources for Chromatography-Mass Spectrometry; 6 Tools of the Trade V. Mass Analyzers for Quantitation: Separation of Ions by m/z Values; 7 Tools of the Trade VI. Ion Detection and Data Processing; 8 Tools of the Trade VII: Statistics of Calibration, Measurement and Sampling 9 Method Development and Fitness for Purpose10 Method Validation

	and Sample Analysis in a Controlled Laboratory Environment; 11 Examples from the Literature; Epilog; References; Index
Sommario/riassunto	This book provides a serious introduction to the subject of mass spectrometry, providing the reader with the tools and information to be well prepared to perform such demanding work in a real-life laboratory. This essential tool bridges several subjects and many disciplines including pharmaceutical, environmental and biomedical analysis that are utilizing mass spectrometry: Covers all aspects of the use of mass spectrometry for quantitation purposesWritten in textbook style to facilitate understanding of this topicPresents fundamentals and real-world examples in a 'learning-t