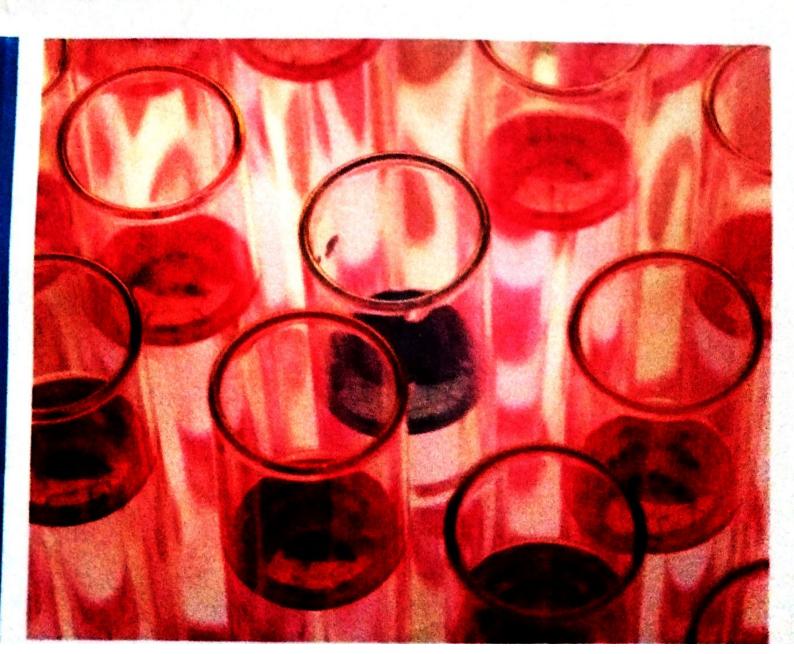
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## Analytical Chemistry

Volume 2

A Modern Approach to Analytical Science Second Edition



## 21 Chromatography

## Chapter Outlook

Chrismatography is a separation technique, which is used for the separation of complex matures into their individual components and for determining quantitatively the matures of those components. In this chapter, the basic principles for the separation of substances by partitioning them between a stationary and a mobile phase are covered. The most important chromatographic methods are gas chromatography (CC), high performance liquid chromatography (HPLC), and thin-layer chromatography (TLC). The basic principles of these techniques, as well as the instrumental aspects, are described. In addition, some of the newer methods, such as supercritical fluid chromatography, capillary electrophoresis, field flow fractionation, and multi-dimensional chromatographic techniques are presented.

14968

Chapter Outlook 523
21.1 Fundamentals of Chromatographic
Separations 524
Questions and Problems 536
21.2 Gas Chromatography 536
Questions and Problems 558
21.3 Liquid Chromatography 558

Questions and Problems 588
21.4 Supercritical Fluid Chromatography 589
Questions and Problems 594
21.5 Multidimensional Chromatographic
Techniques 594
Questions and Problems 605
Recommended Reading 605

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