

## CONTENTS

1. Introduction	1
2. The Identification of Unknowns	6
3. Preliminary Examination	26
4. The Determination of Physical Properties	28
5. Qualitative Analysis for The Elements	62
6. Solubility Behavior	67
7. The Separation of Mixtures	88
8. Application of Classification Tests	108
9. The Use of spectroscopic Methods for Functional Group Determination	178
10. The Preparation of Derivatives	227
11. Tables of Derivatives	306
12. Introduction to the Solution of Structural Problems	383
13. Problems	395
Appendix	412
Index	421