

CONTENTS

Part One: General Principles	15
Chapter 1. Sampling and Treatment of samples	15
Chapter 2. Basic Physical Properties and Their Determination	21
Chapter 3. Procedure for the Analysis of AN Unknown Sample	30
Chapter 4. Quantitative Analysis of Two and Three-Component Mixtures	57
Chapter 5. GAS Chromatography	67
Part Two: The Individual Solvent Classes	89
Chapter 6. Alkanes and Cycloalkanes	89
Chapter 7. Alkenes	105
Chapter 8. Aromatic Hydrocarbons	107
Chapter 9. Terpenes	128
Chapter 10. Aliphatic Halogenated Hydrocarbons	134
Chapter 11. Aromatic Halogenated Hydrocarbons	163
Chapter 12. Alcohols	170
Chapter 13. Ethers	244
Chapter 14. Ketones	260
Chapter 15. Aldehydes	278
Chapter 16. Esters	285
Chapter 17. Aliphatic Nitro Compounds	308
Chapter 18. Aromatic Nitro Compounds	314
Chapter 19. Amines	318
Chapter 20. Amides	330
Appendices	339
Index	445