544.926 MAY

CONTENTS

1 Gas Chromatography

History

Principles of the Technique

Involatile Samples

Detectors

Columns

References for Chapter 1

2 Pyrolysis Apparatus

For Solids and Involatiles Liquids

For Gases and Volatile Liquids

Tandem G.C. System

Comparative Studies of Available Techniques

References for Chapter 2

3 Applications of Pyrolysis-Gas Chromatography

Synthetic Polymers

Involatile Non-polymeric Organic Materials

Volatile Compounds

Biochemical and Biological Materials

References for Chapter 3

4 Identification of Peaks

From Retention Times

By Chemical Means

By Trapping followed by Spectroscopy

By Linked g.c.-m.s. Techniques

References for Chapter 4

5 Standardisation in Pyrolysis-Gas Chromatography

Instruments

Column Packing and Operating Condition

A Standard System

The Pyrogram Library

References for Chapter 5