

## 8.4 Problem 3

### Learning Objectives

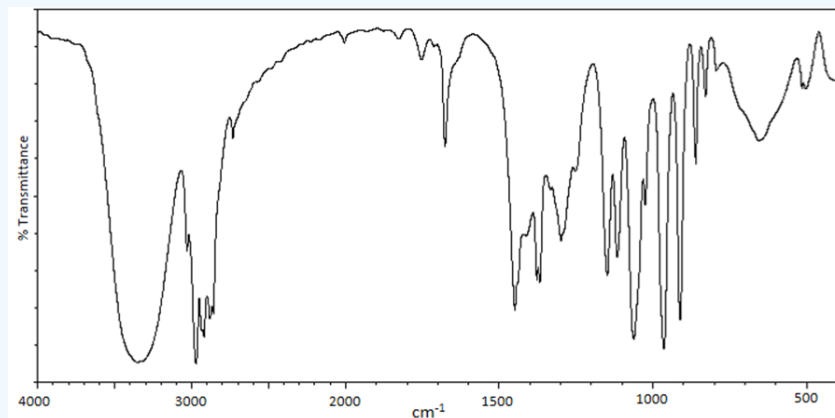
- Determine the structure for the following problem.

### ? Exercise 1

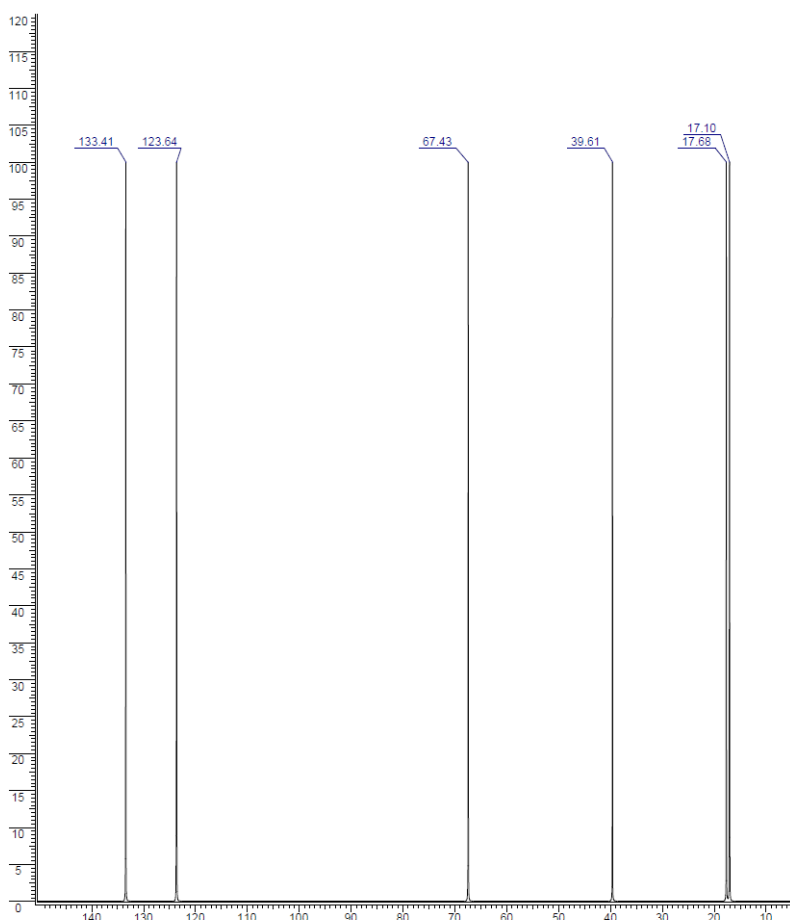
Solve the structure using the following spectral data.

Molecular Formula:  $C_6H_{12}O$

IR spectrum:

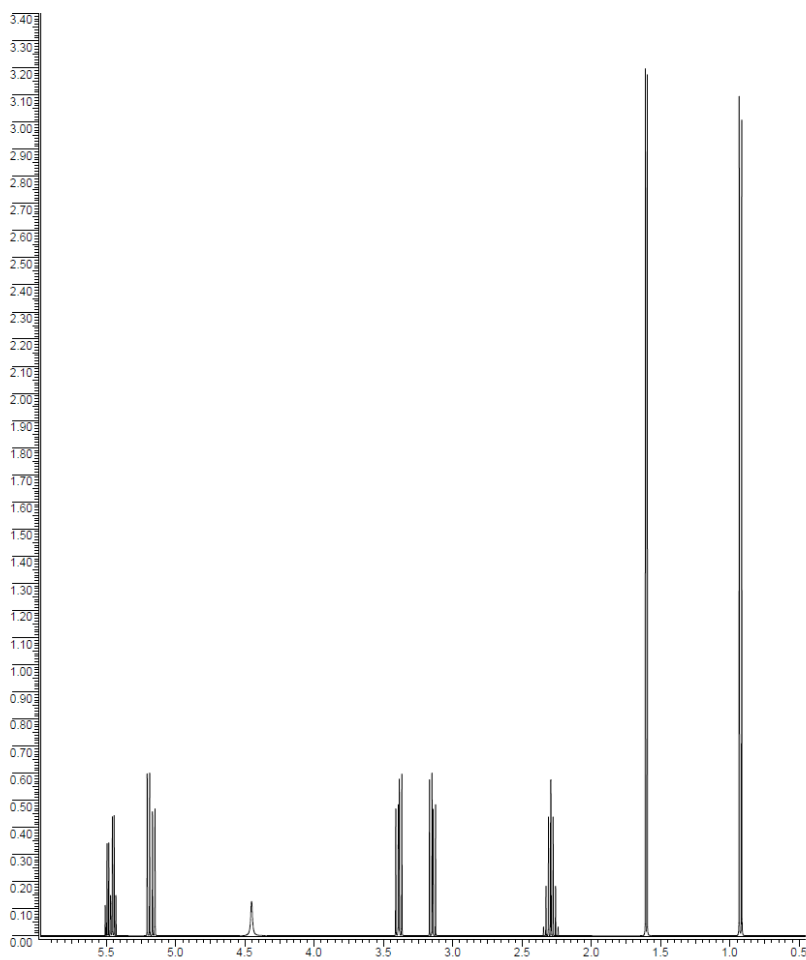


$^{13}C$  Spectrum:

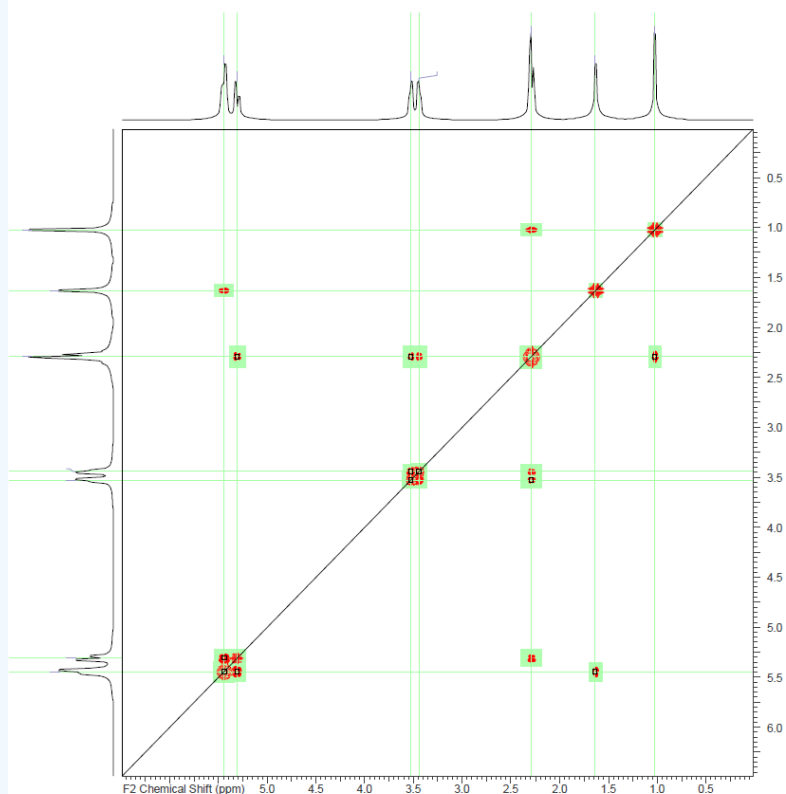


$^1\text{H}$  Spectrum:

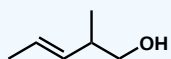
Integration: 1:1:1:1:1:3:3



COSY:



Answer



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