

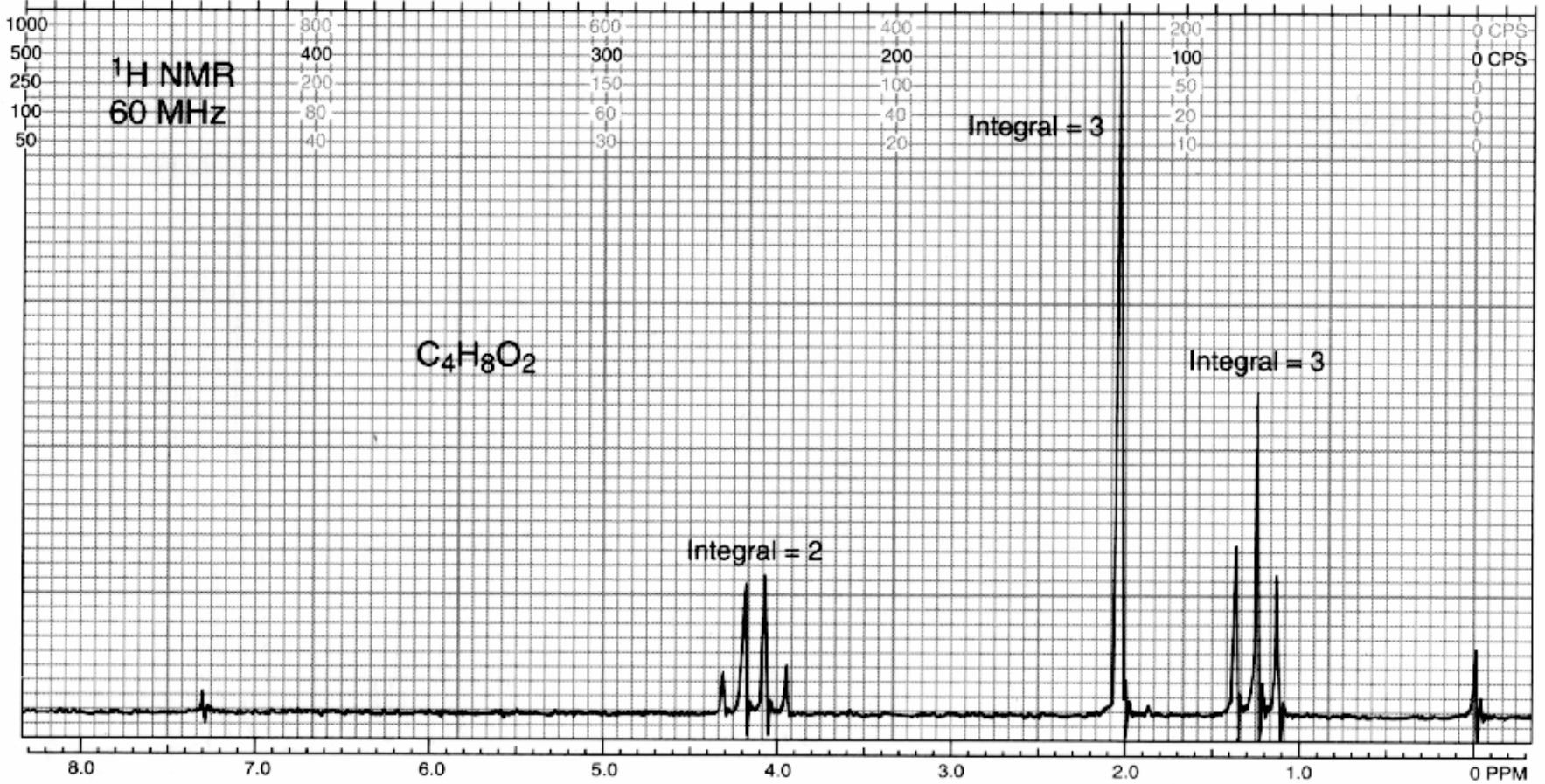
QFL0341 – Estrutura e Propriedades de compostos orgânicos (2019)

11^a Lista de exercícios:

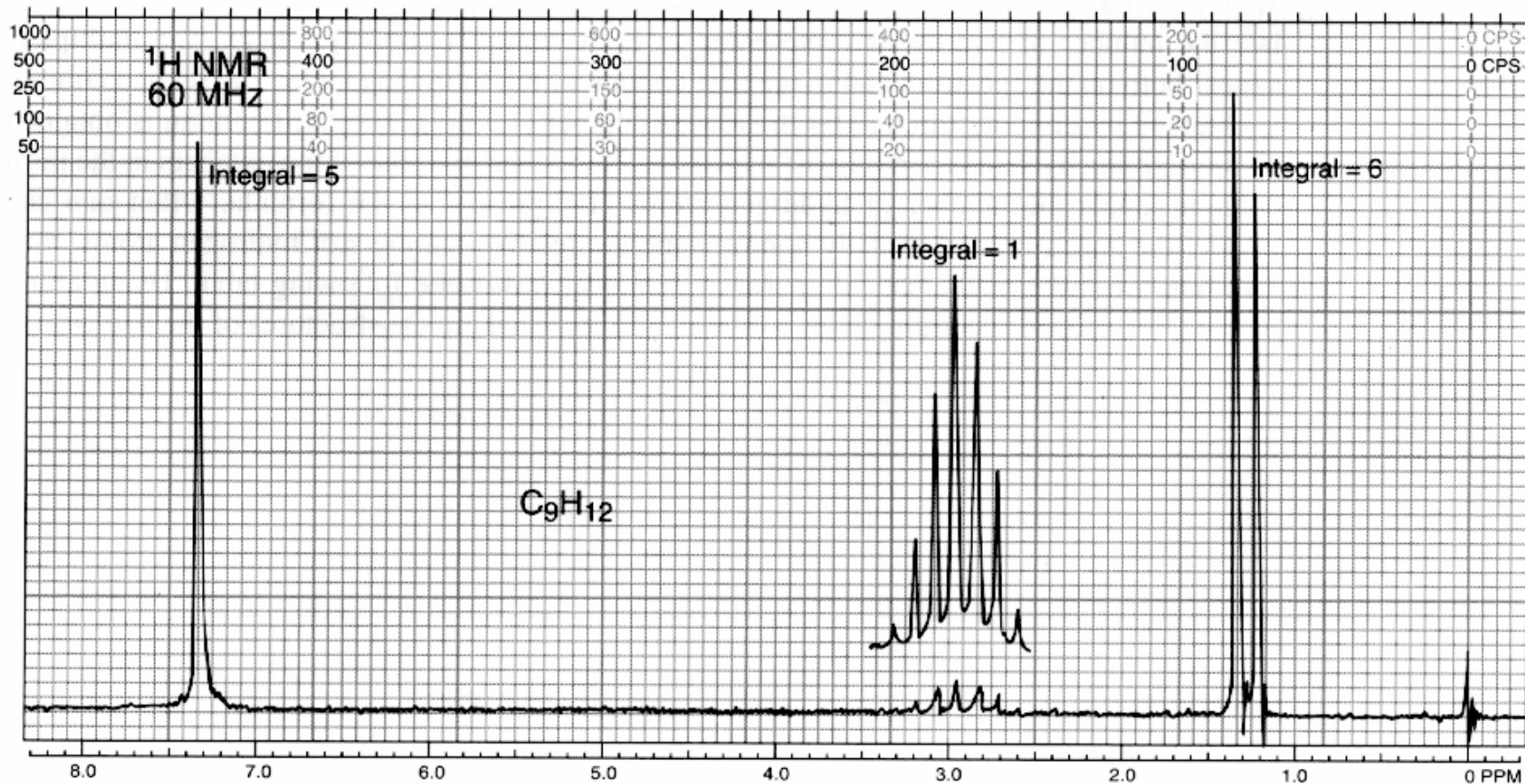
Determine as estruturas dos compostos orgânicos com base na formulas moleculares e espectros de RMN de ^1H (e IV se disponível)

1

Éster - C₄H₈O₂

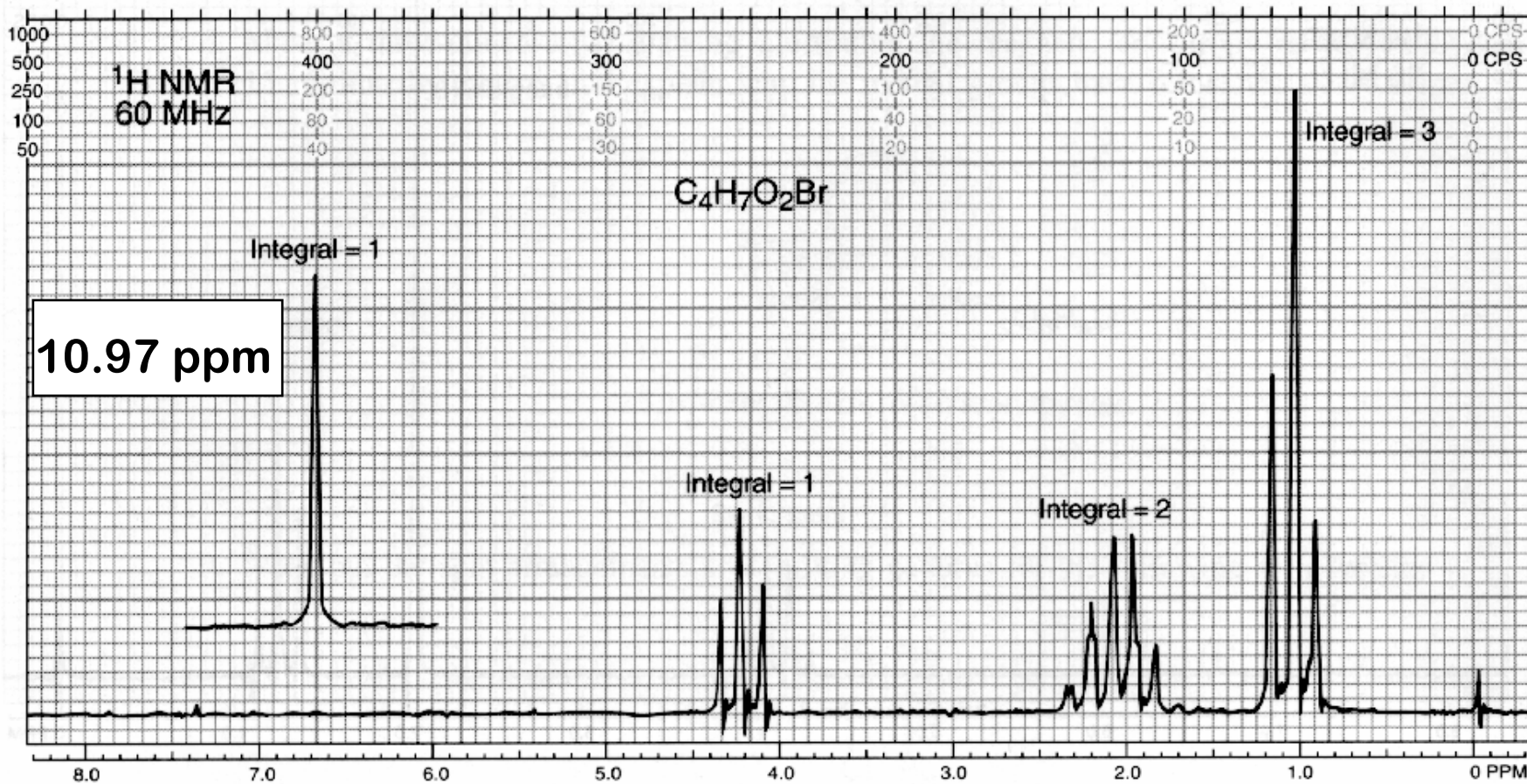


2 Hidrocarboneto aromático monosustituído C_9H_{12}



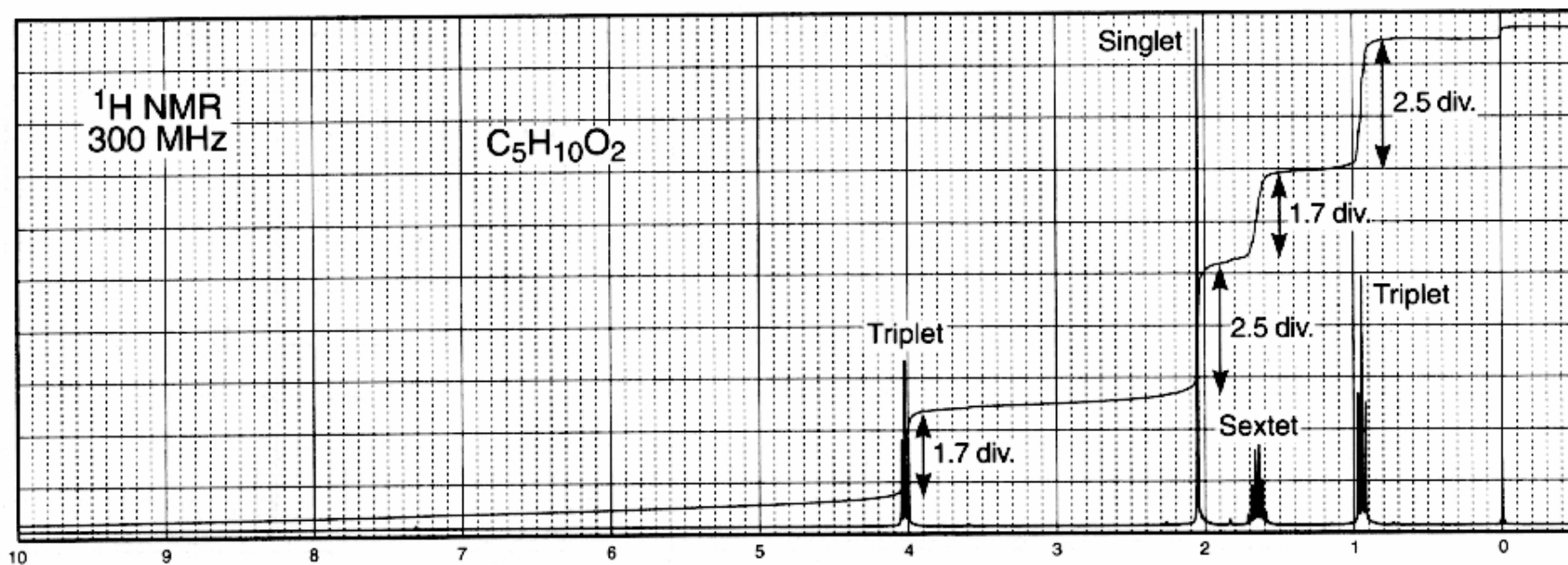
3

Ácido Carboxílico - C₄H₇O₂Br



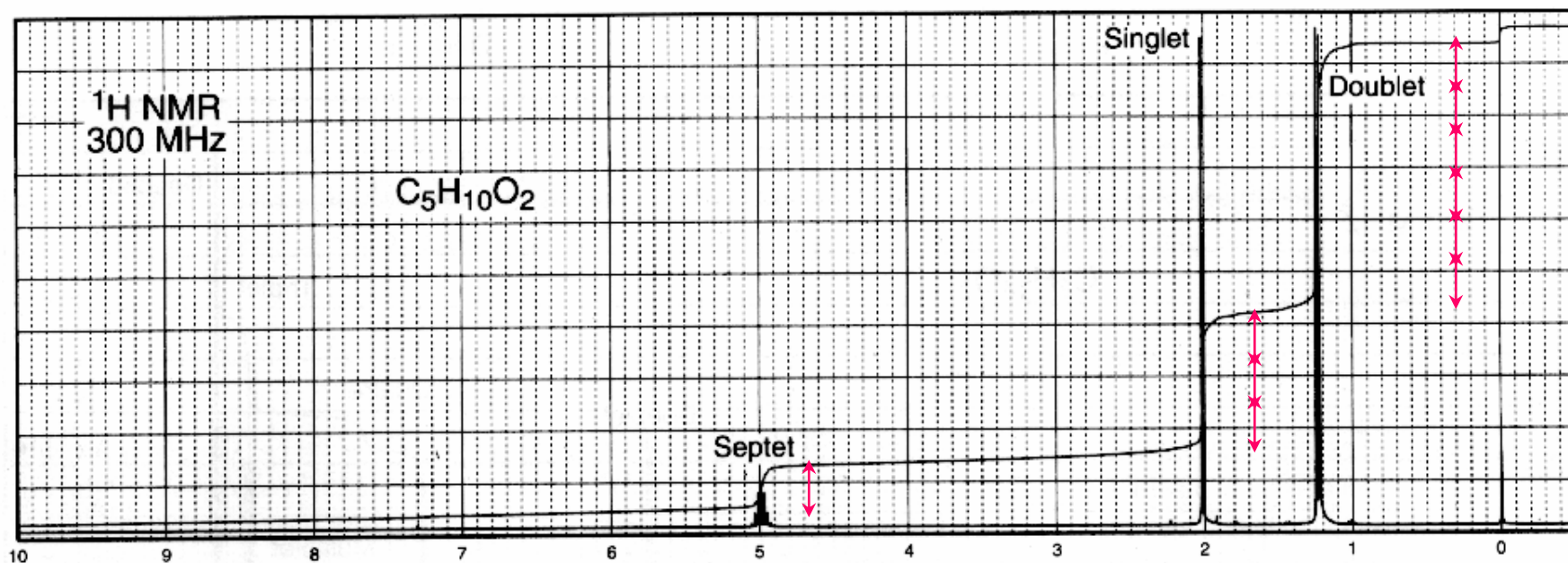
4

Éster ($C_5H_{10}O_2$)



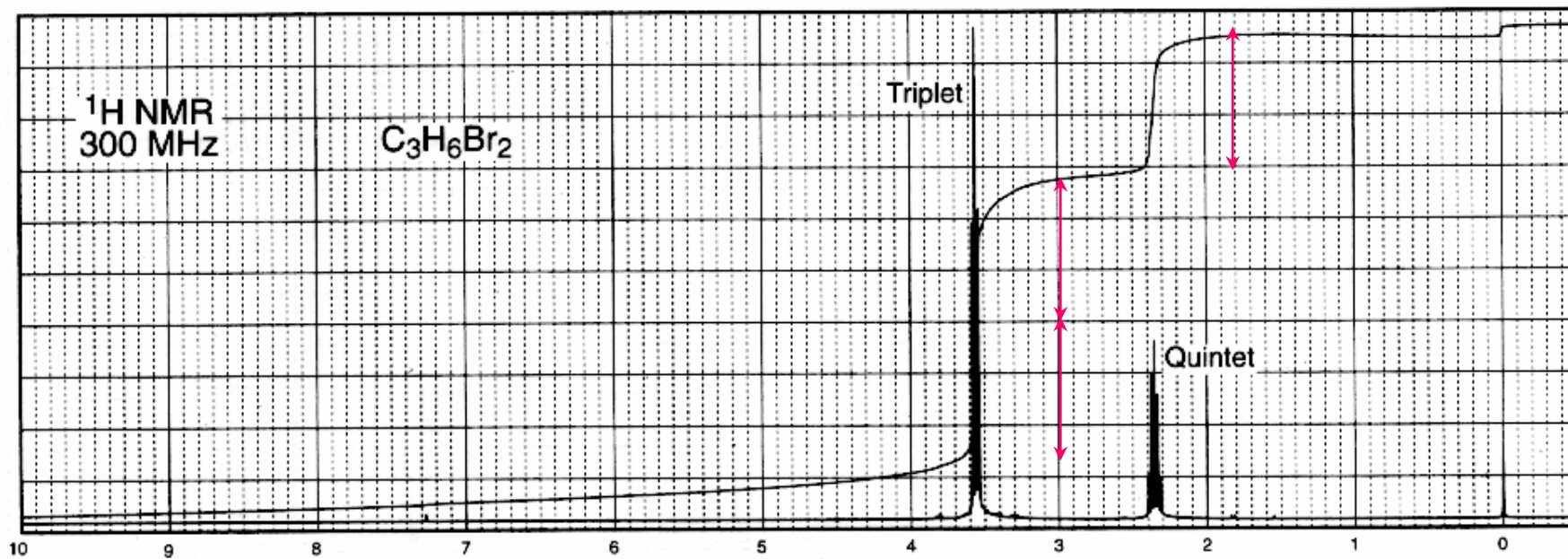
5

Éster ($C_5H_{10}O_2$)



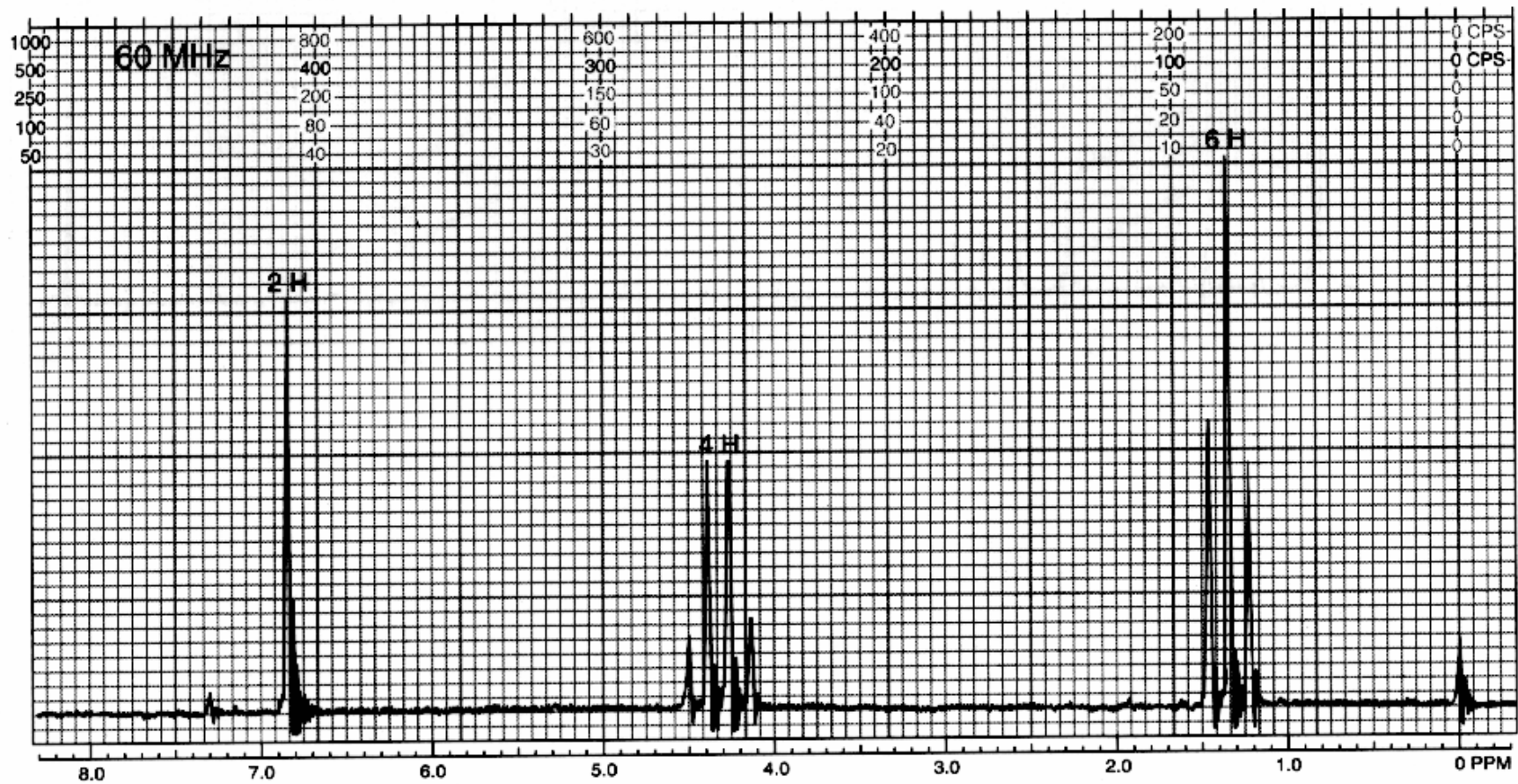
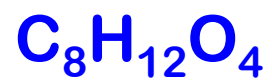
1 : 3 : 6

6

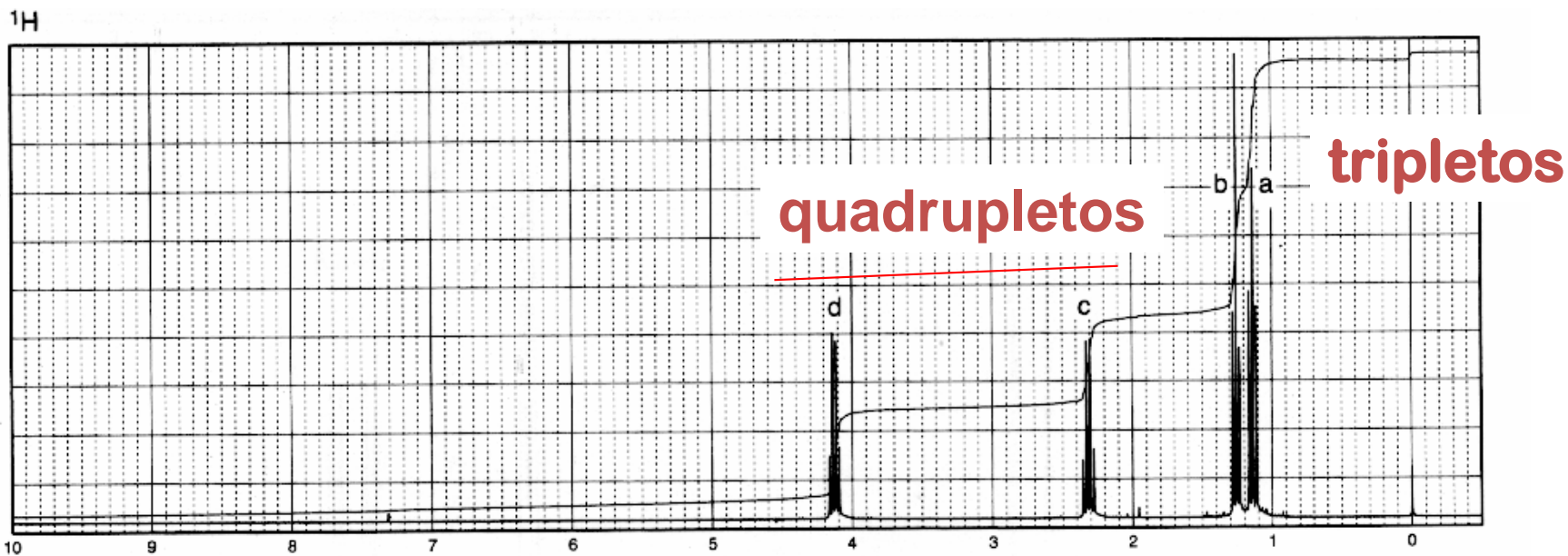
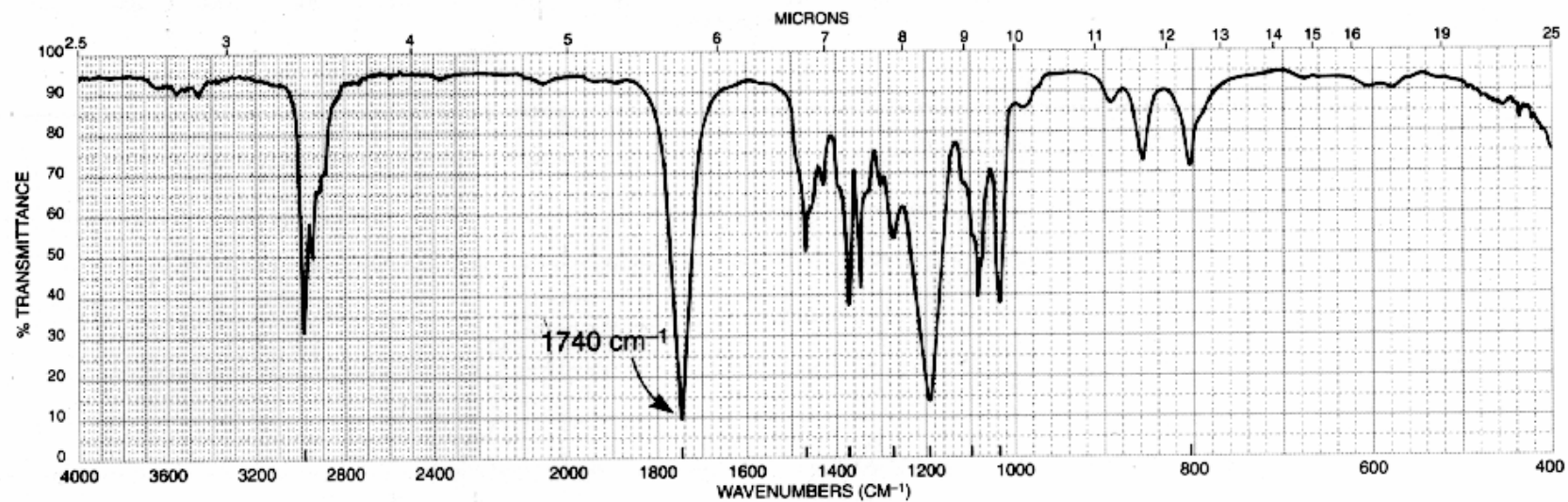
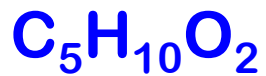


2 : 1

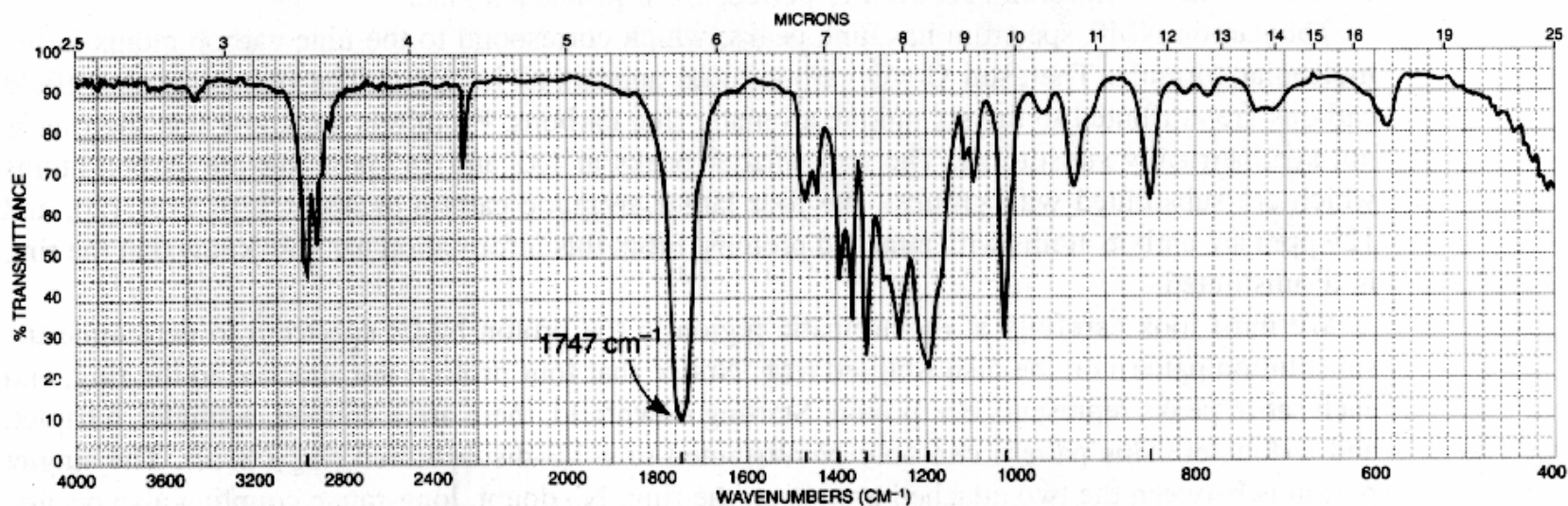
7



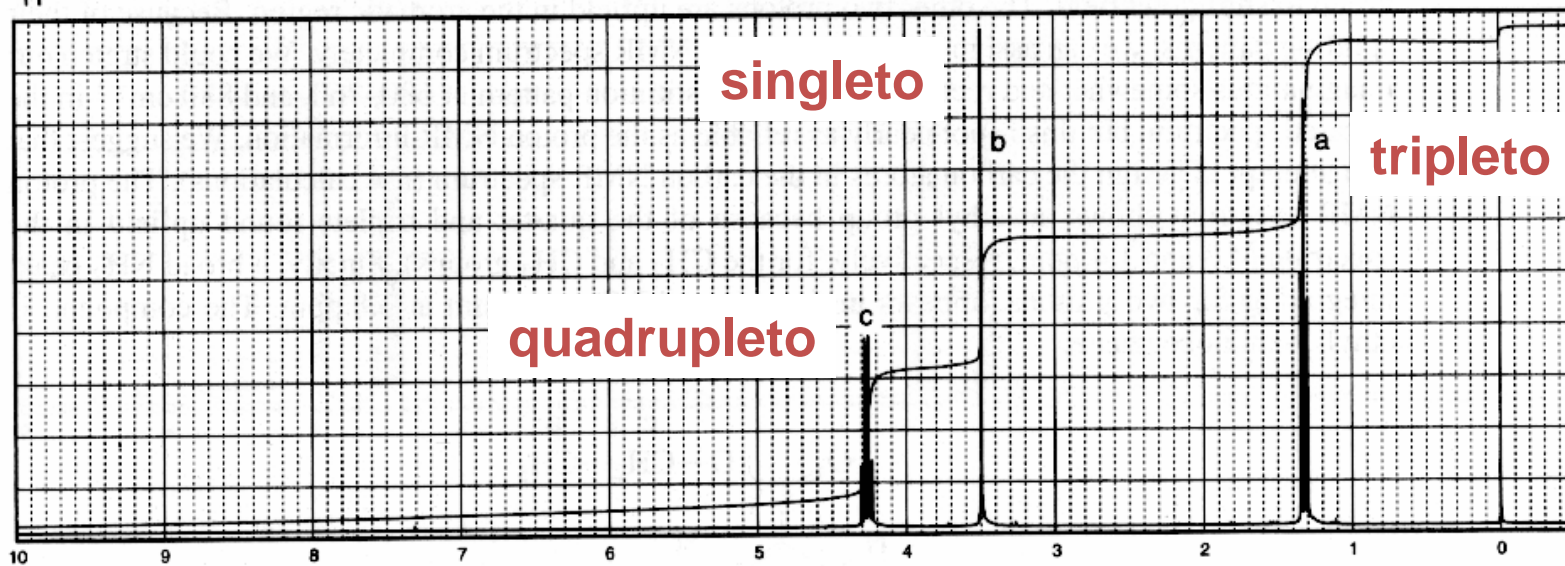
8



9



¹H



10

