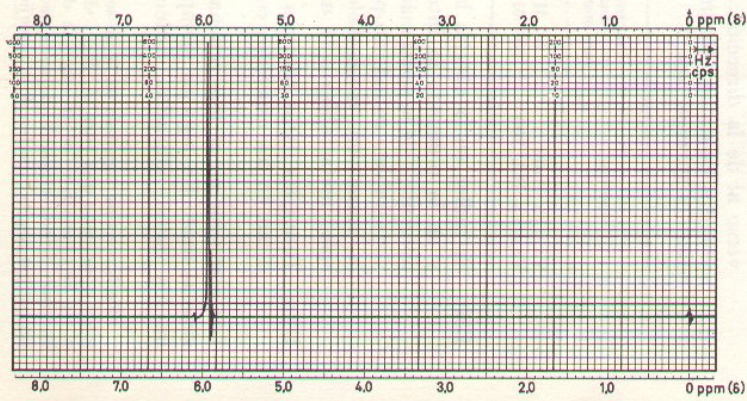
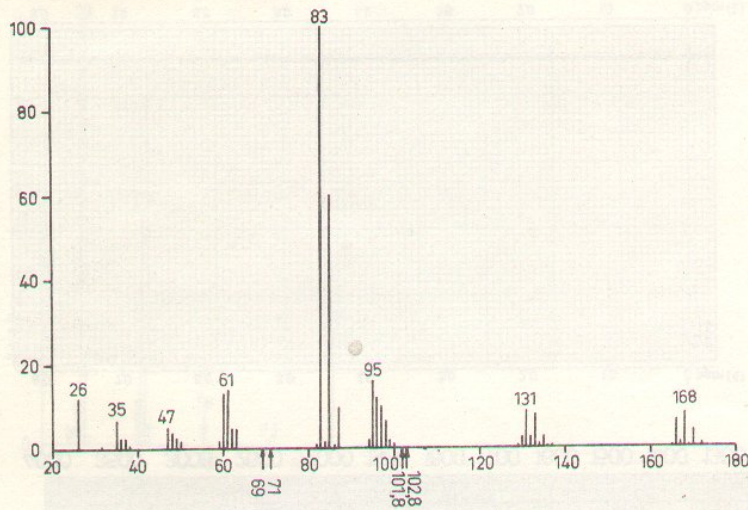


IR: Perkin-Elmer  
Mod. 21  
Film líquido

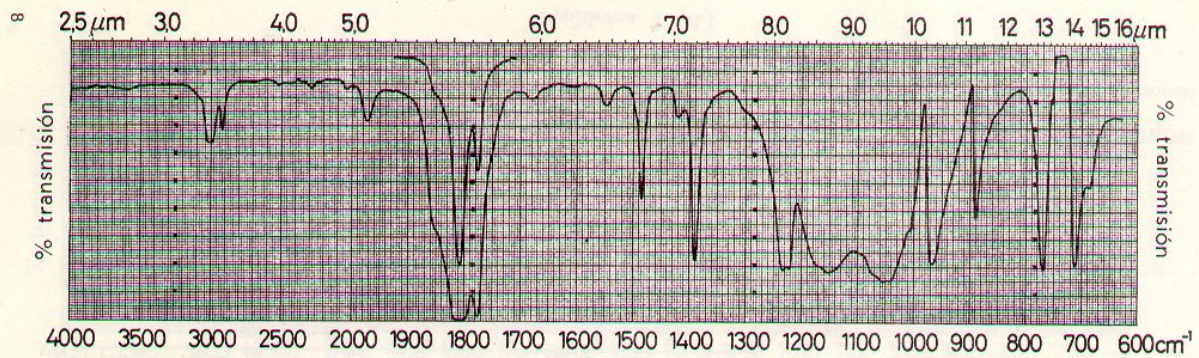


RMN: Varian  
Mod. A-60  
Medido en  $\text{CCl}_4$   
Amplitud de barrido:  
500 Hz

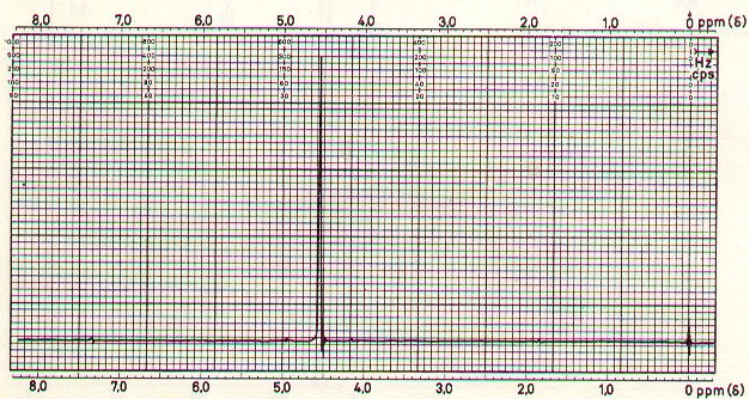


EM: Hitachi Perkin-  
Elmer  
Mod. RMU-6A

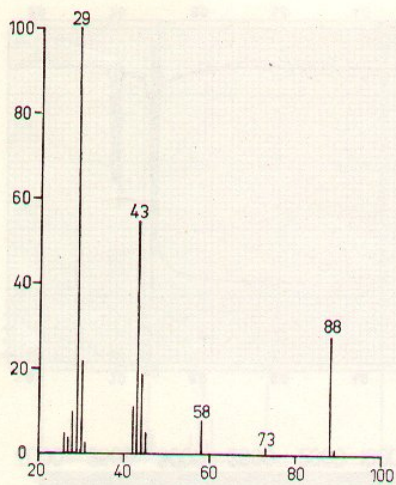
UV: Perkin-Elmer  
Mod. 137 UV  
Medido en  $\text{C}_2\text{H}_5\text{OH}$   
> 210 nm  
Absorción terminal



IR: Perkin-Elmer  
 Mod. 21  
 Medido en  $\text{CHCl}_3$ :  
 $4000 \dots 1330 \text{ cm}^{-1}$   
 $d = 0,1 \text{ mm}$ .  
 Medido en nujol:  
 $1330 \dots 630 \text{ cm}^{-1}$

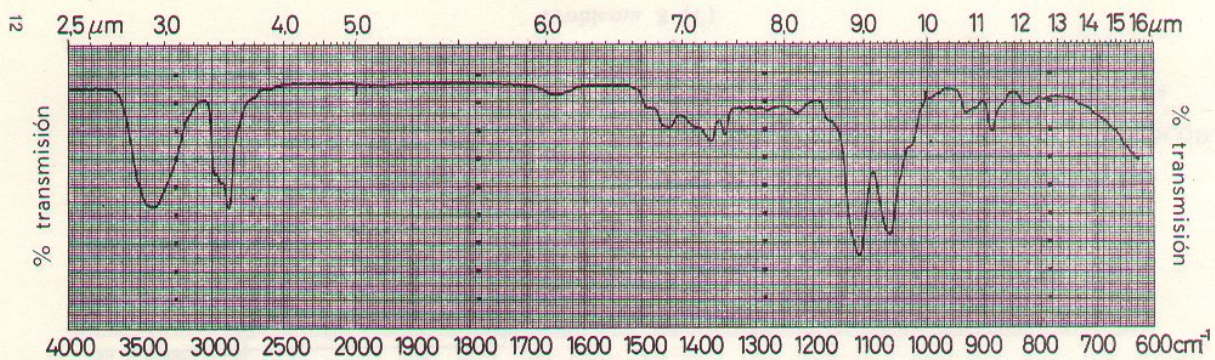


RMN: Varian  
 Mod. A-60  
 Medido en  $\text{CDCl}_3$   
 Amplitud de barrido:  
 $500 \text{ Hz}$

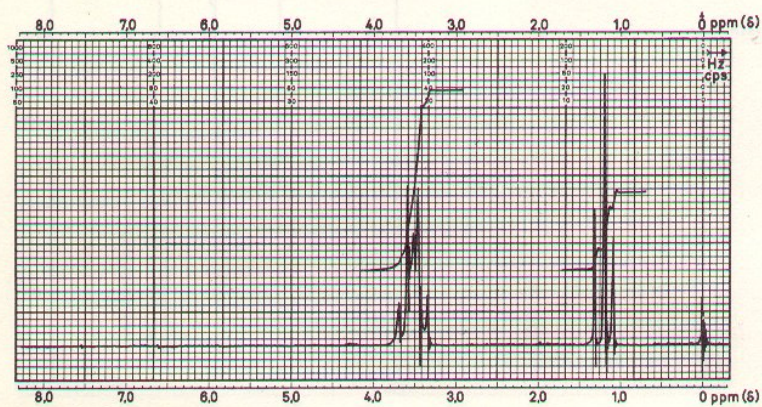


EM: Hitachi Perkin-  
 Elmer  
 Mod. RMU-6D

UV: Perkin-Elmer  
 Mod. 137 UV  
 Medido en  $\text{C}_2\text{H}_5\text{OH}$   
 $> 210 \text{ nm}$  transparente

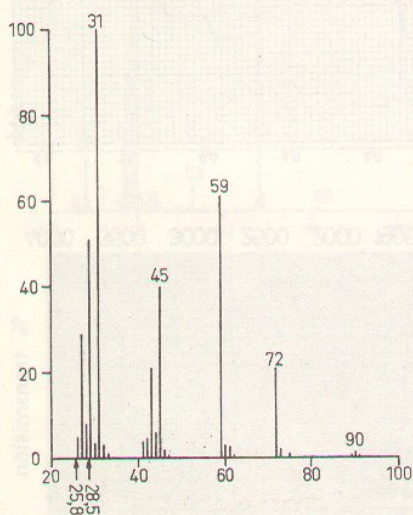
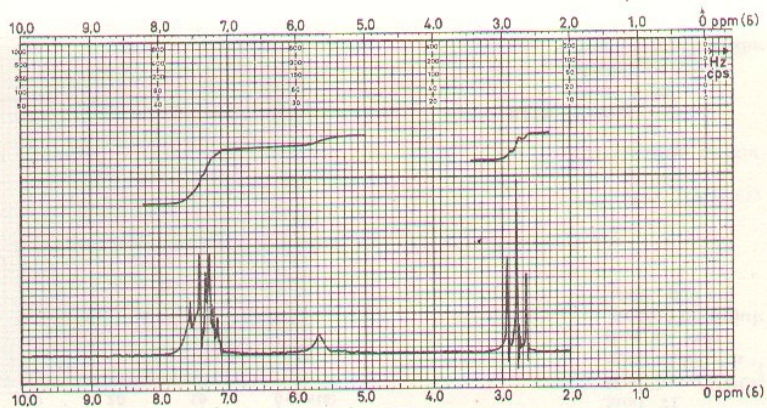


IR: Perkin-Elmer  
Mod. 21  
Film líquido



RMN: Varian  
Mod. A-60  
Medido en  $\text{CCl}_4$   
Amplitud de barrido:  
500 Hz

RMN: Varian  
Mod. HA 100  
Medido en  $\text{CCl}_4$   
Amplitud de barrido:  
500 Hz.



EM: Hitachi Perkin-Elmer  
Mod. RMU-6A

UV: Perkin-Elmer  
Mod. 137 UV  
Medido en  $\text{C}_2\text{H}_5\text{OH}$   
> 210 nm transparente

Problema 4 (A)