

Encapsulation and Functionalization of Nanoparticles in Crosslinked Resorcinarene Shells: Electronic Supplementary Information

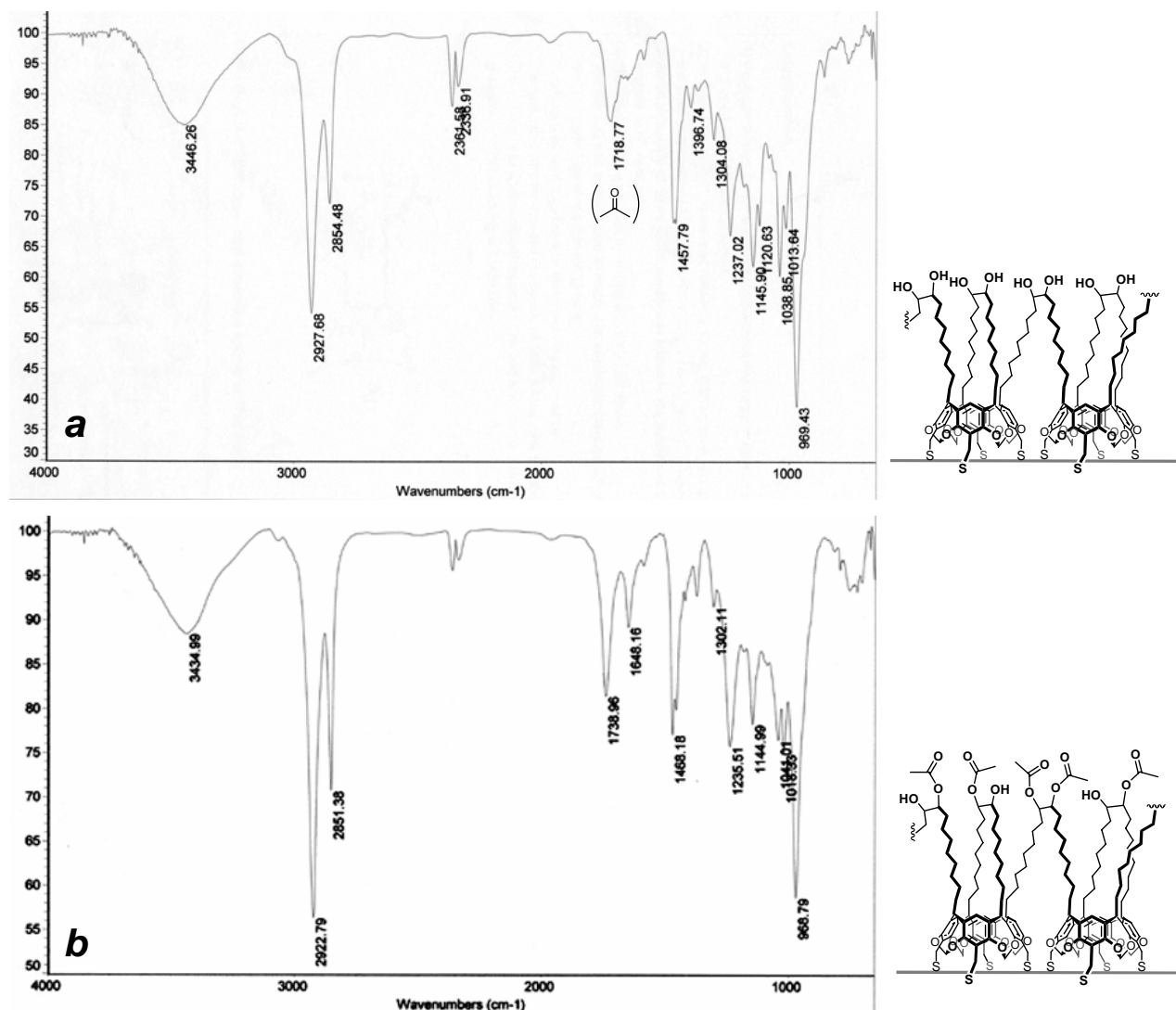
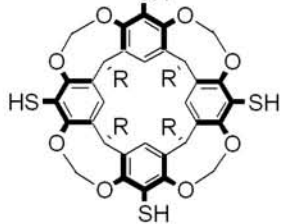
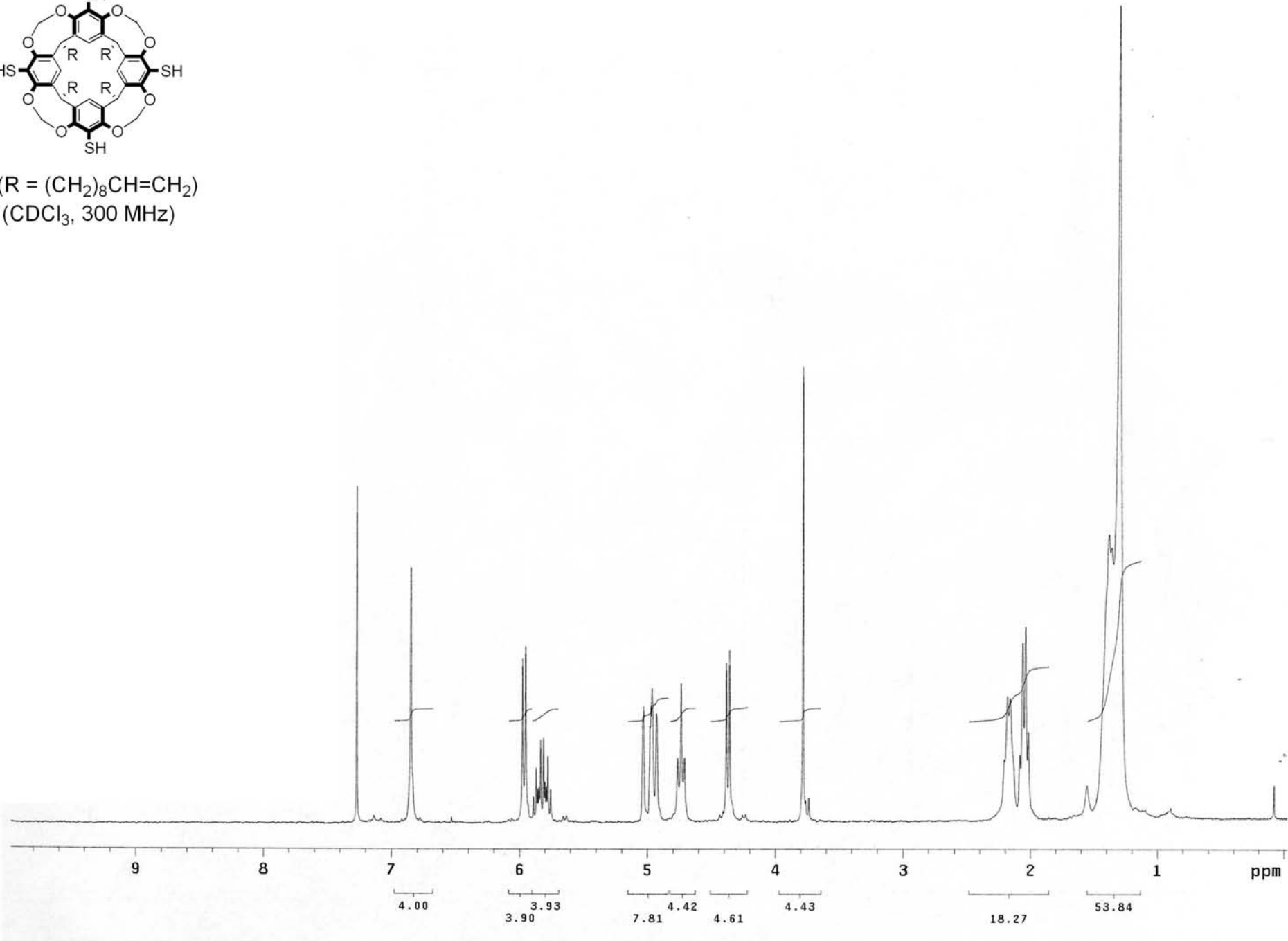
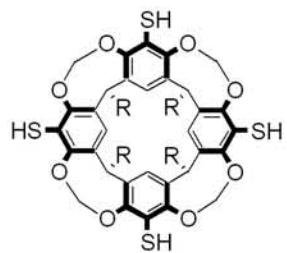


Figure S1. Transmission IR spectra (KBr pellets) of functionalized nanoparticles encapsulated in crosslinked monolayers of tetrabenzylthiol **4**. *a*, after recovery from OsO₄ and NMO in acetone. Peak at 1718 cm⁻¹ due to residual solvent. *b*, after recovery from Ac₂O and DMAP in pyridine.

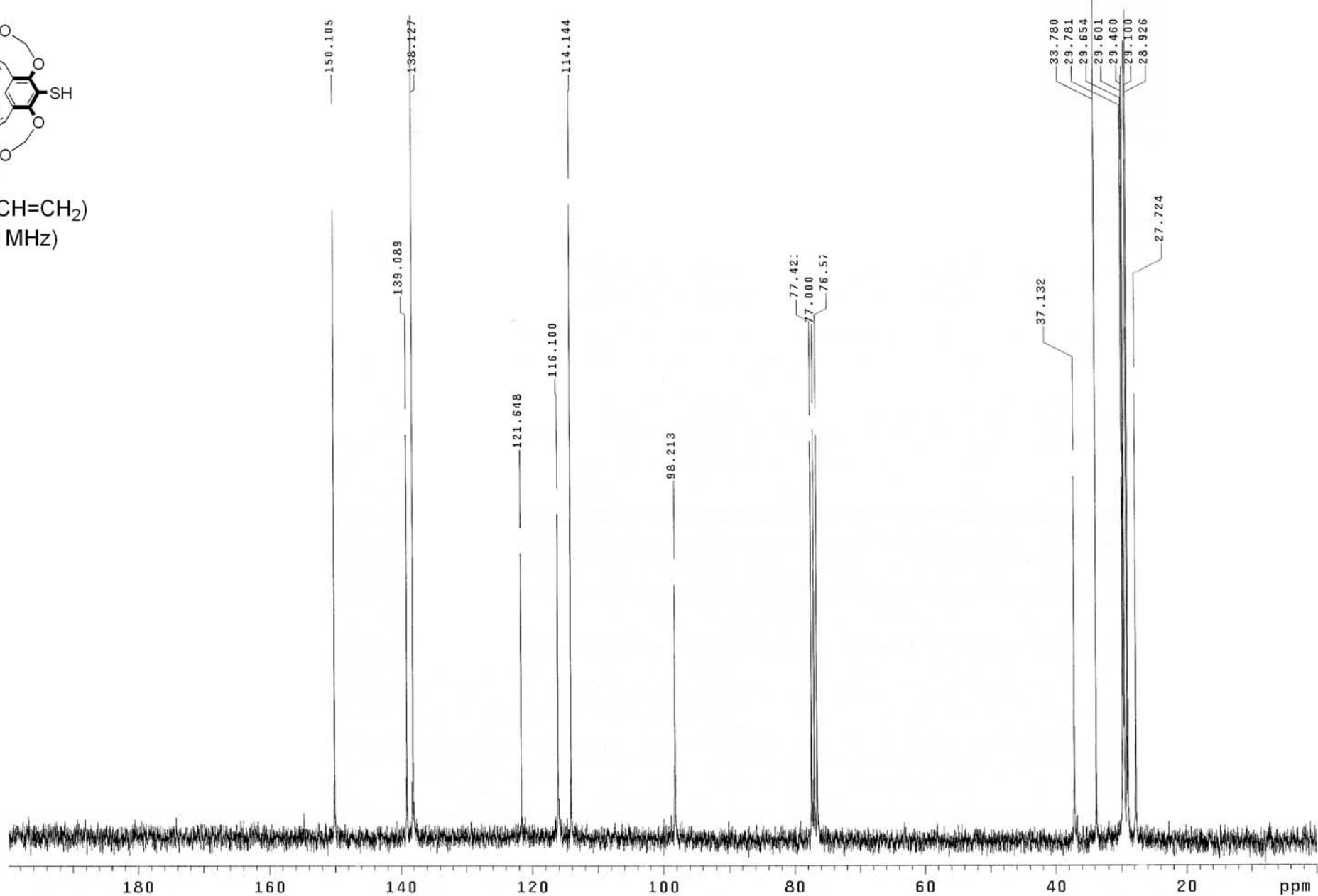


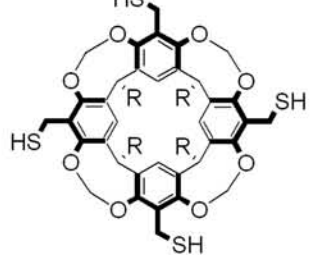
3 ($\text{R} = (\text{CH}_2)_8\text{CH}=\text{CH}_2$)
 (CDCl_3 , 300 MHz)



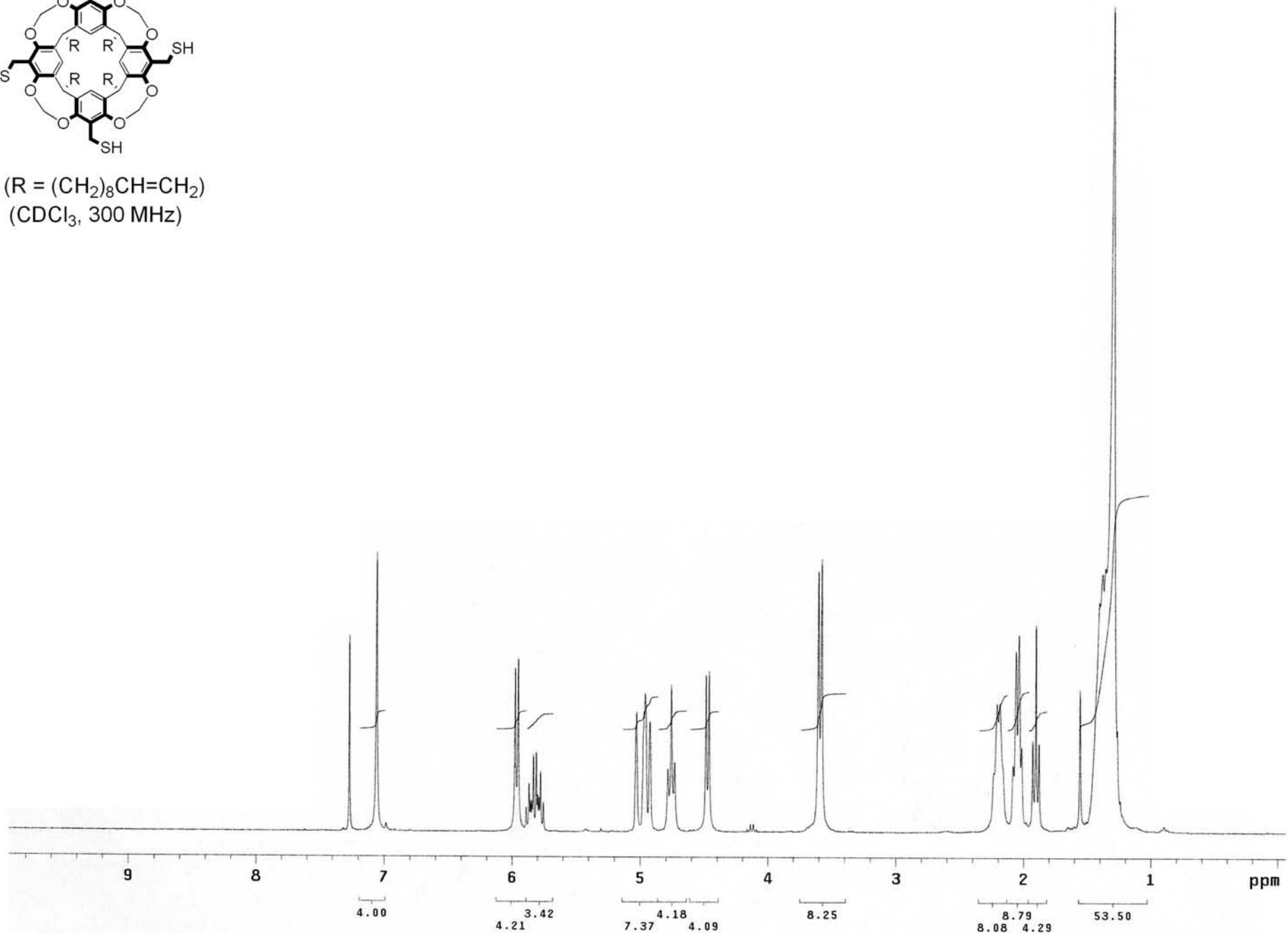


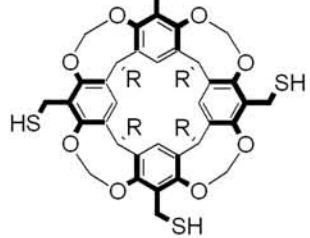
3 (R = (CH₂)₈CH=CH₂)
(CDCl₃, 75 MHz)



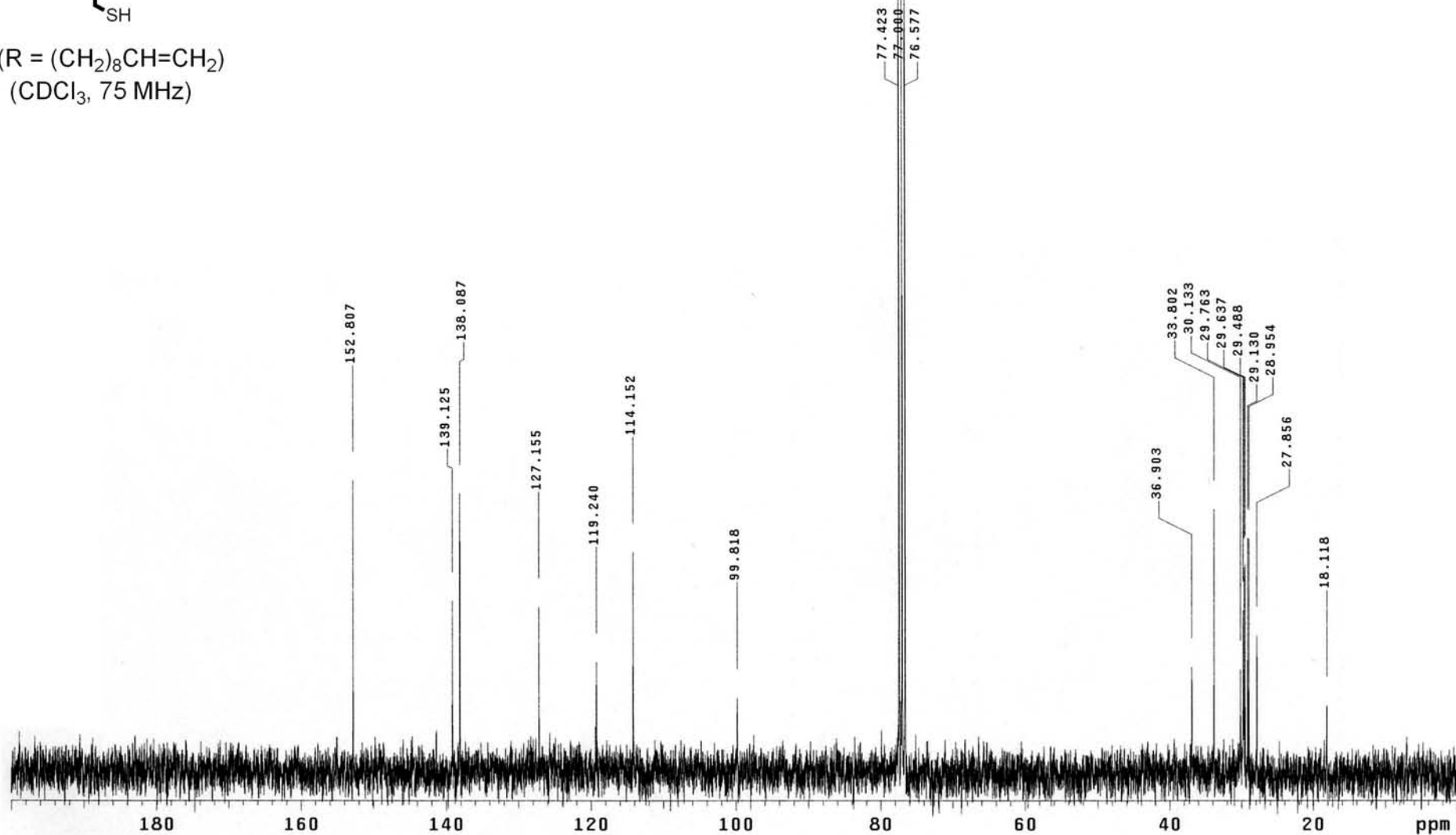


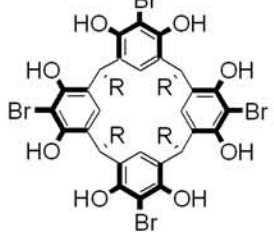
4 ($\text{R} = (\text{CH}_2)_8\text{CH}=\text{CH}_2$)
(CDCl_3 , 300 MHz)



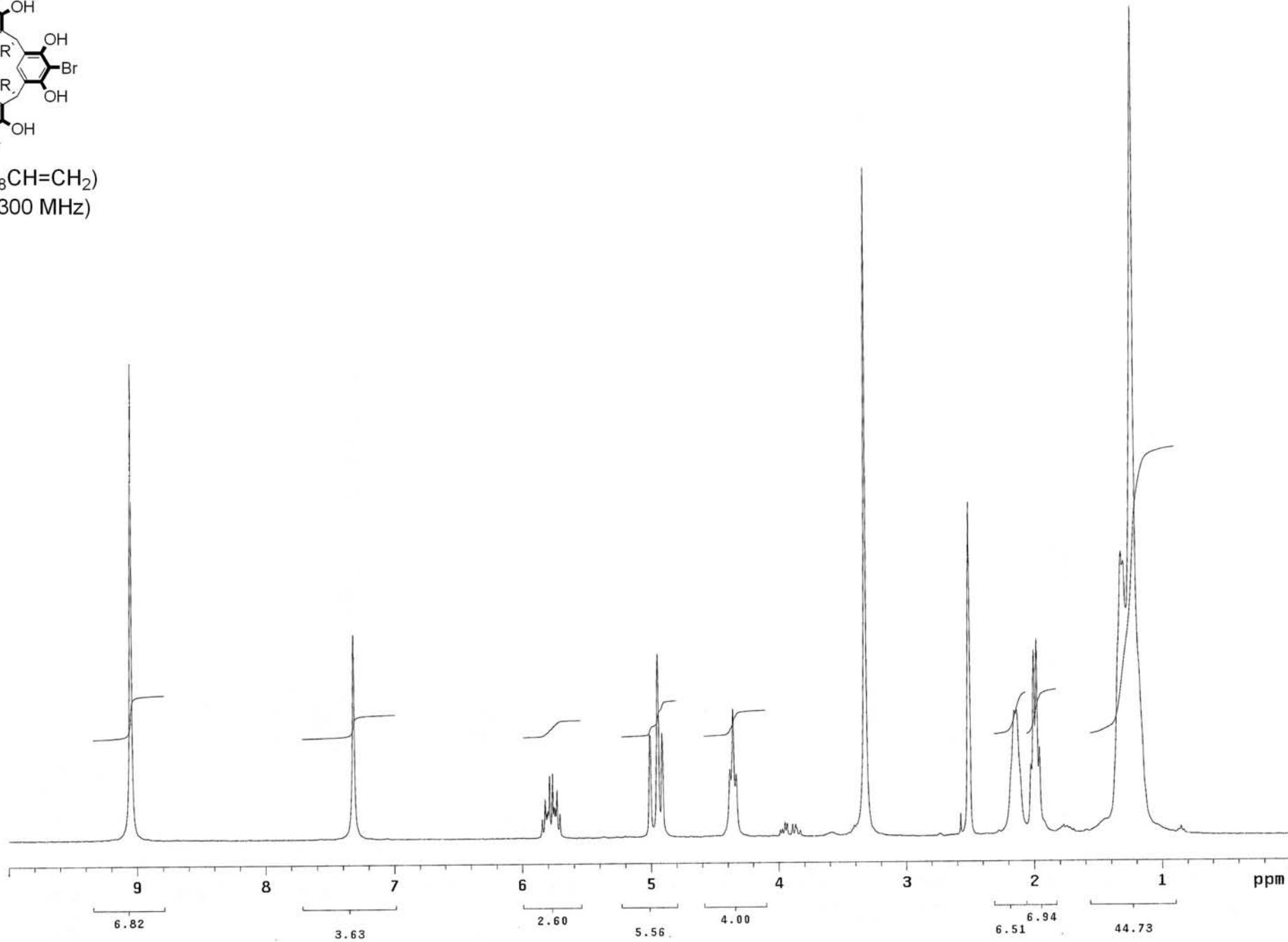


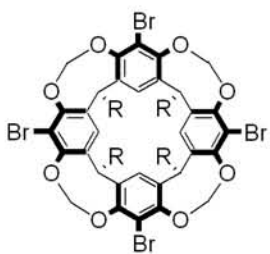
4 (R = (CH₂)₈CH=CH₂)
(CDCl₃, 75 MHz)



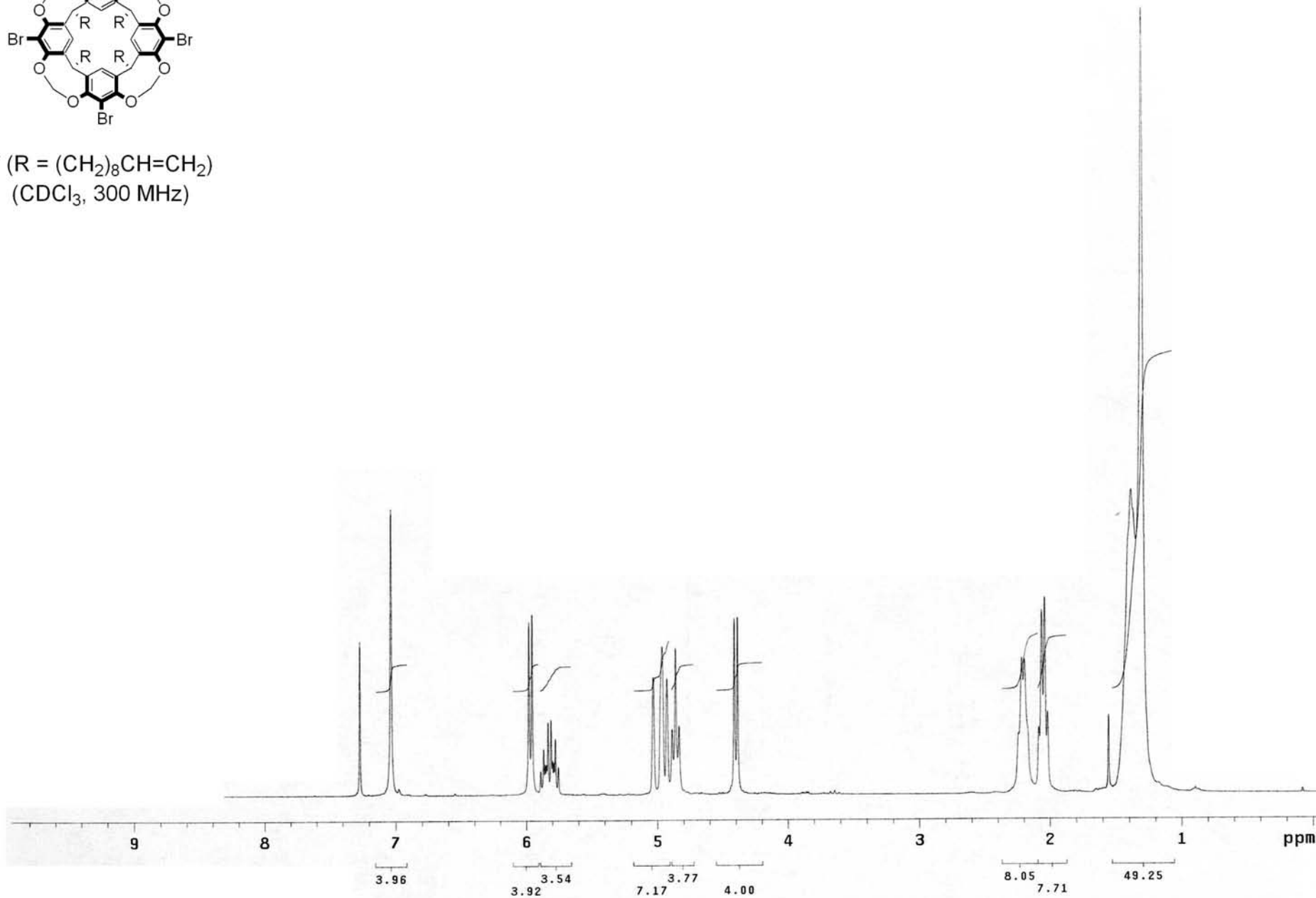


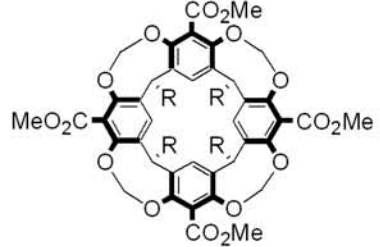
6 ($R = (CH_2)_8CH=CH_2$)
(DMSO- d_6 , 300 MHz)



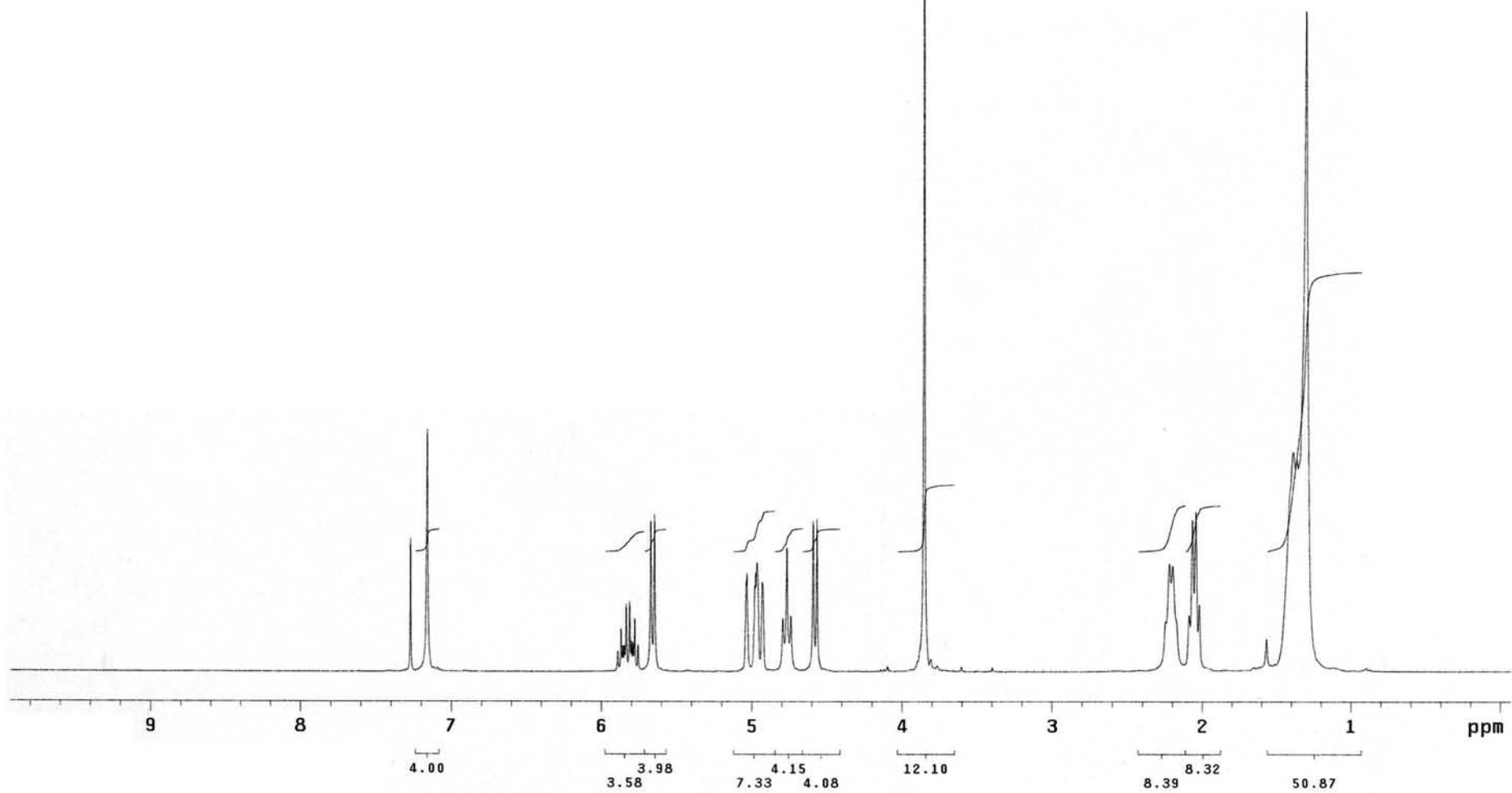


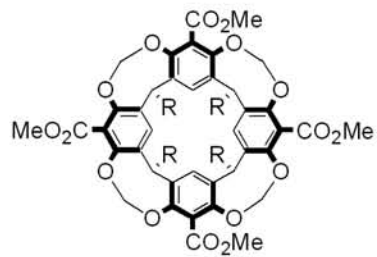
7 (R = (CH₂)₈CH=CH₂)
(CDCl₃, 300 MHz)



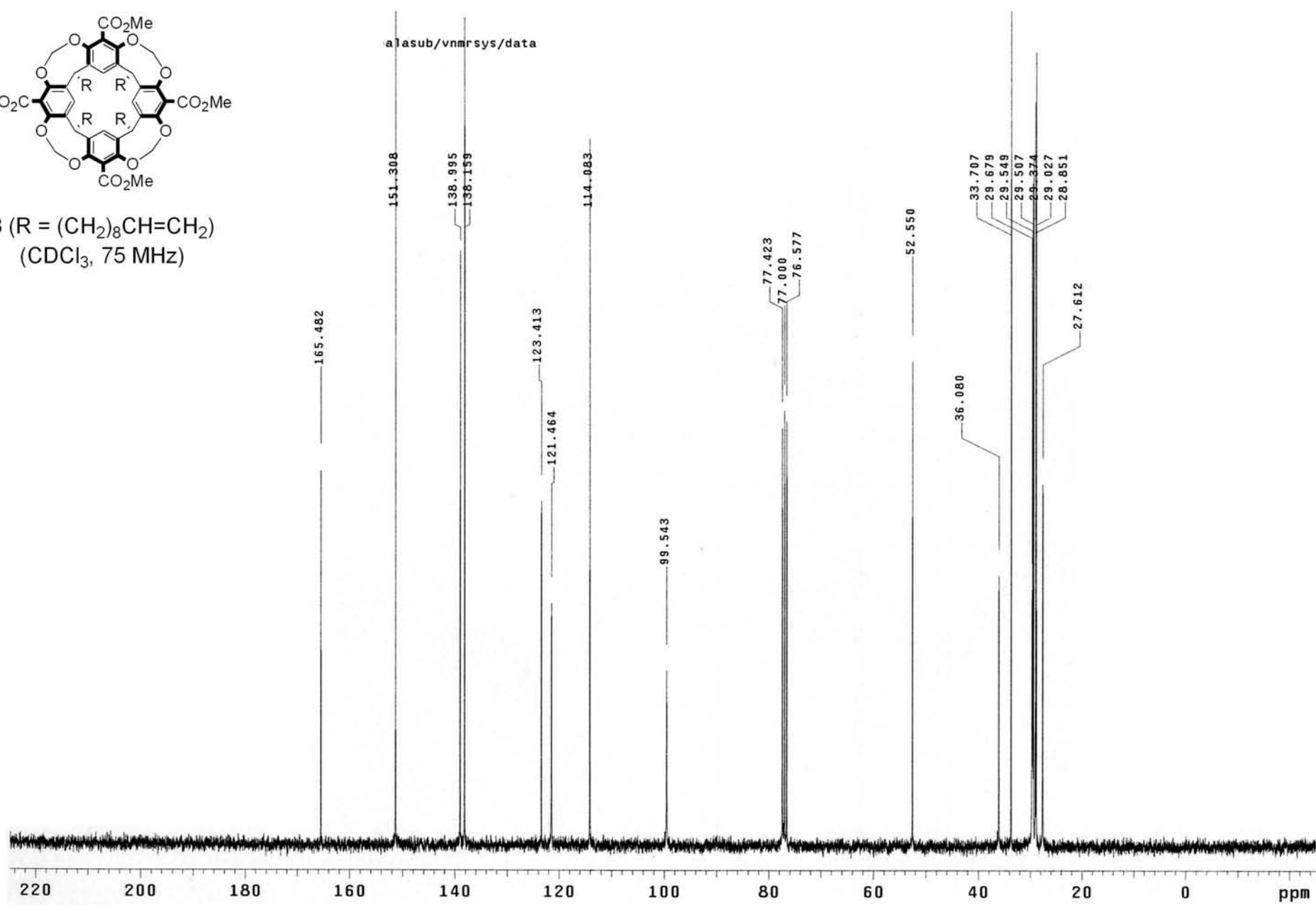


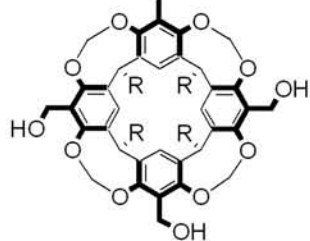
8 (R = (CH₂)₈CH=CH₂)
(CDCl₃, 300 MHz)





8 ($\text{R} = (\text{CH}_2)_8\text{CH}=\text{CH}_2$)
 (CDCl_3 , 75 MHz)





9 (R = (CH₂)₈CH=CH₂)
(CDCl₃, 300 MHz)

