Problem R-22F2 (C₃H₆Cl₂)
300 MHz ¹H NMR spectrum in CDCl₃
Source: Aldrich Spectra Collection/Reich g
8. (28) Below are the proton NMR spectra of the four isomers of dichloropropane. Draw these isomers, and put the correct structure in the boxes on each spectrum.

**Problem R-22F** \((\text{C}_3\text{H}_6\text{Cl}_2)\)

300 MHz \(^1\text{H} \) NMR spectrum in \(\text{CDCl}_3\)

Source: Aldrich Spectra Collection/Reich

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**a**

![Structure a](image)

**b**

![Structure b](image)

**c**

![Structure c](image)

**d**

![Structure d](image)