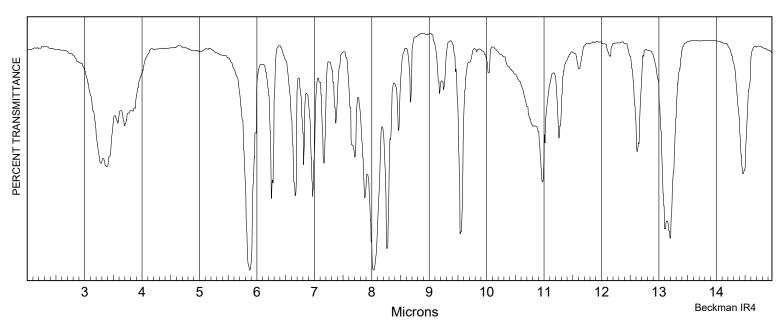
Problem N-80-1

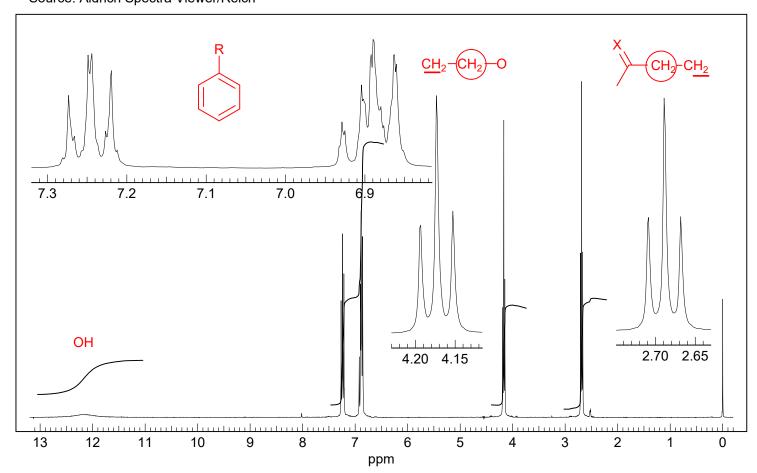
Observed protons are circled protons causing splitting are underlined

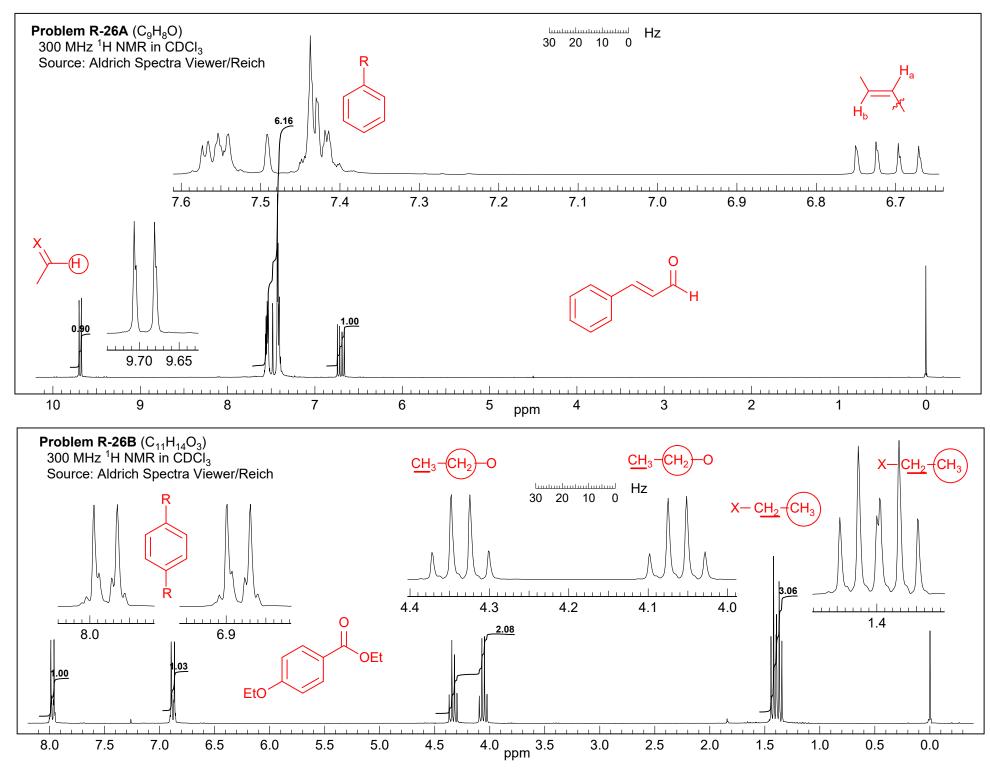
- a. DBE____
- b. Identify IR peaks. Give functionality by marking them on the spectrum.

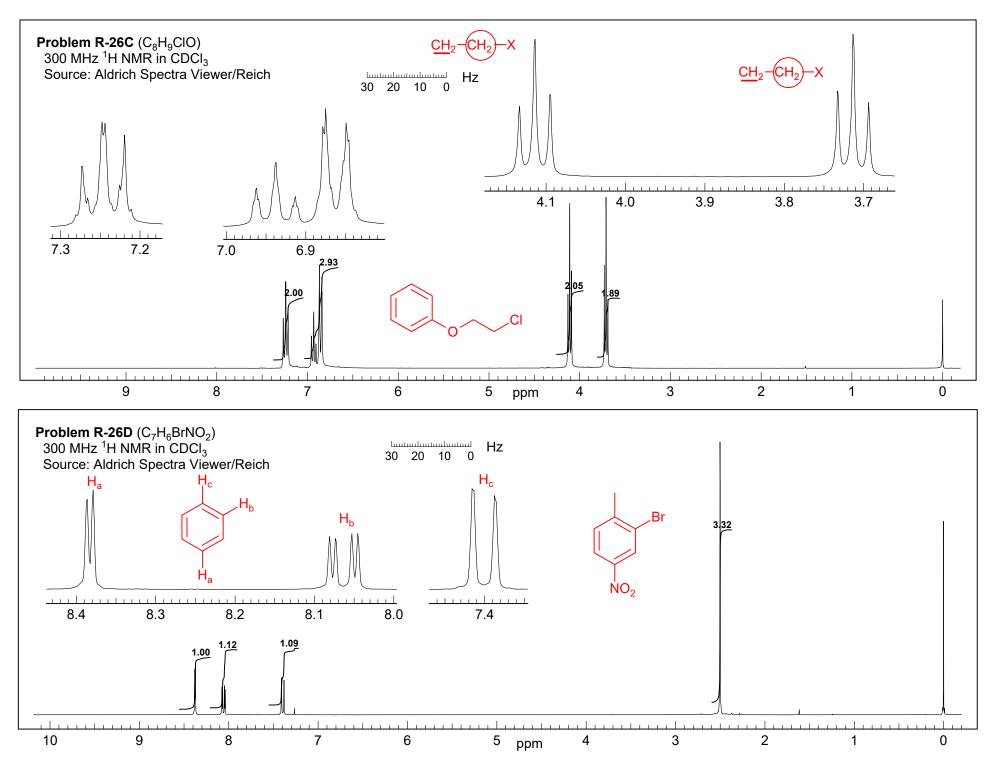


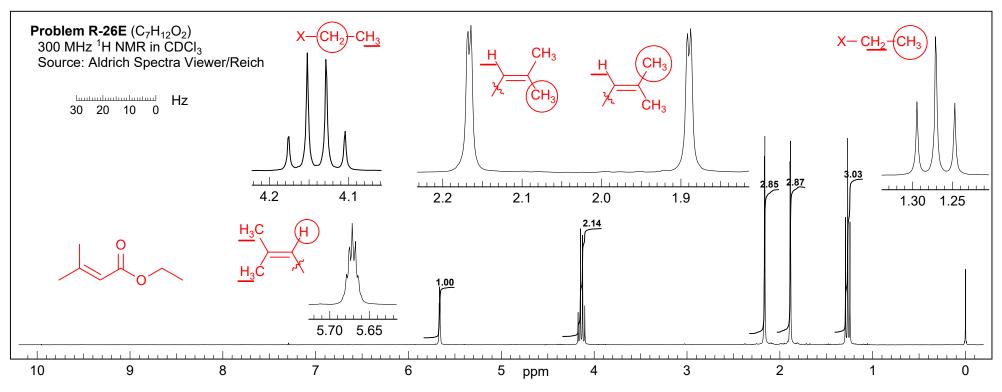
c. Identify fragments from the ¹H NMR spectrum.

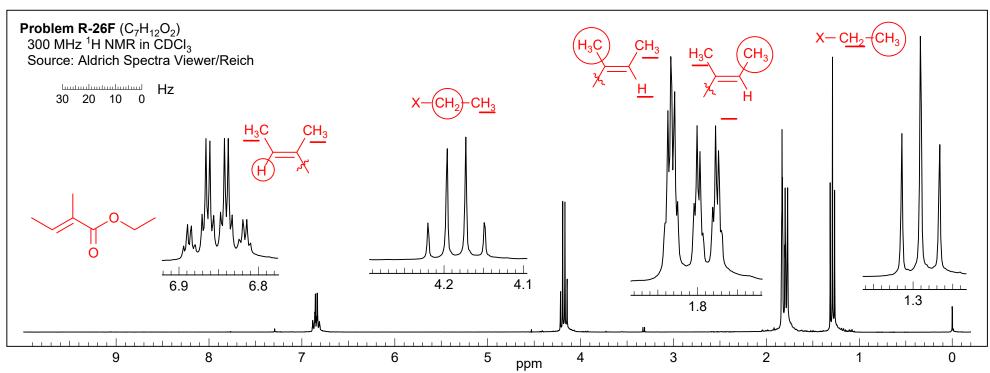
Problem N-80-1 C₉H₁₀O₃ 300 MHz ¹H NMR spectrum in CDCl₃/DMSO-d₆ Source: Aldrich Spectra Viewer/Reich





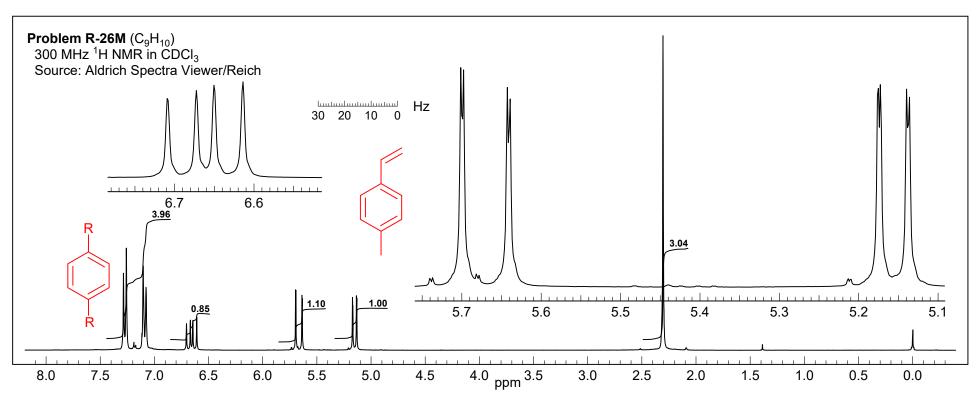


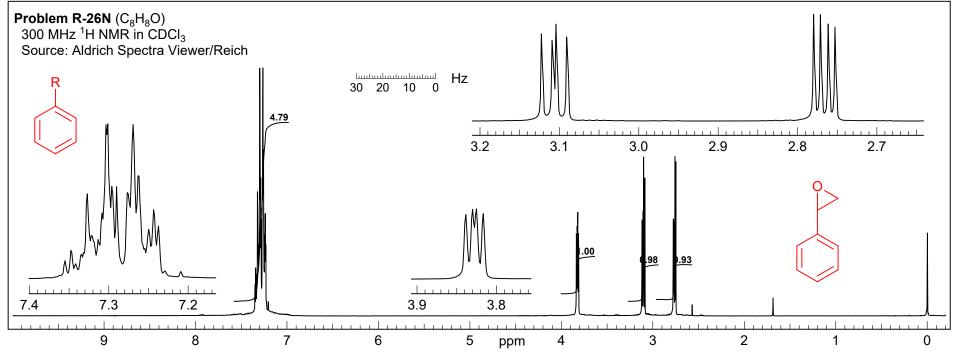




https://organicchemistrydata.org

Part of the Hans Reich Collection





Problem R-301-A: Extracting *J* couplings from First Order Spectra

Each pattern is caused by a single proton. Analyze each in terms of J values for protons splitting the ones observed, and in the standard fashion (eg, tdt, J = 12, 3, 2 Hz). Draw a "coupling tree."



