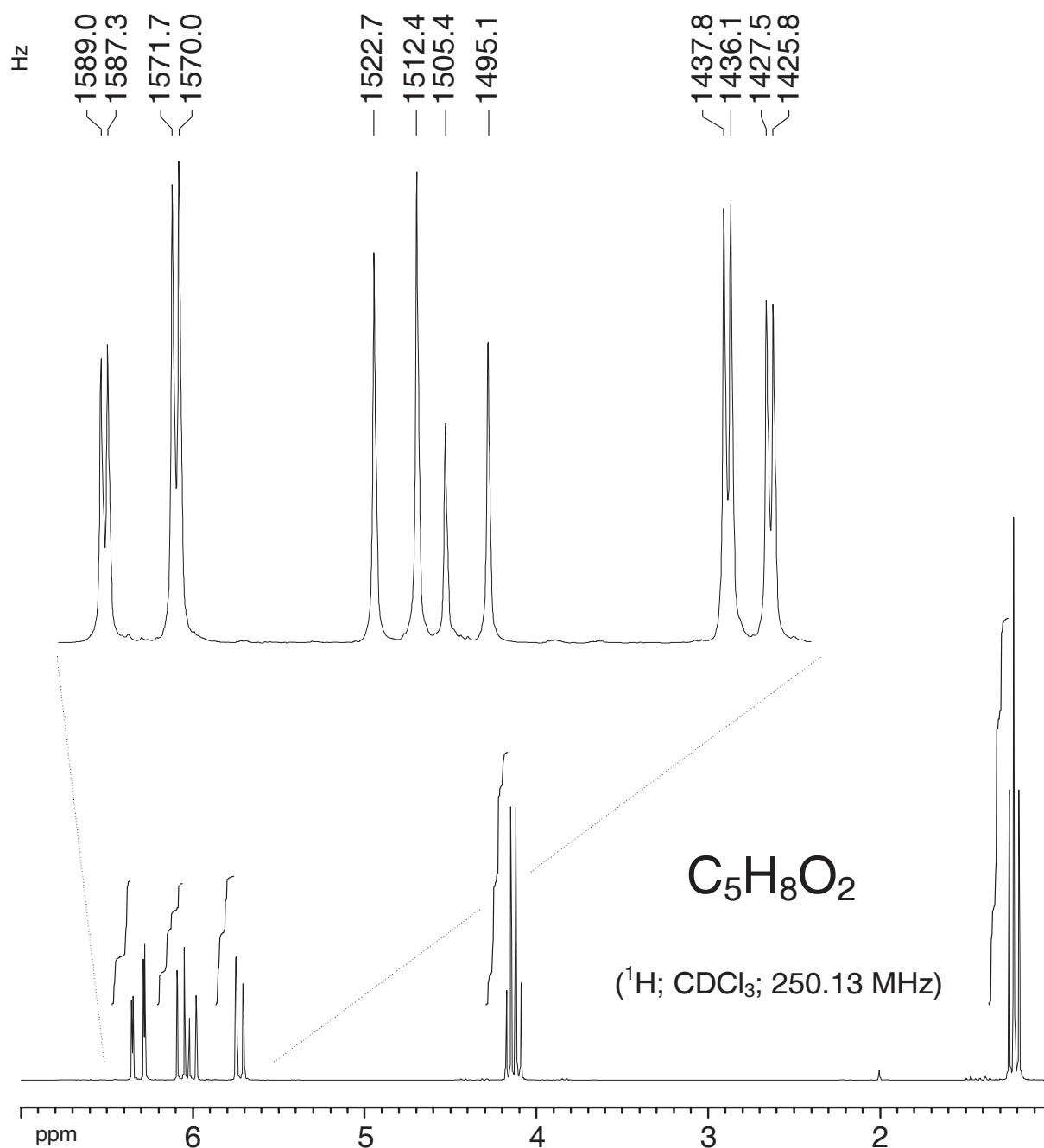
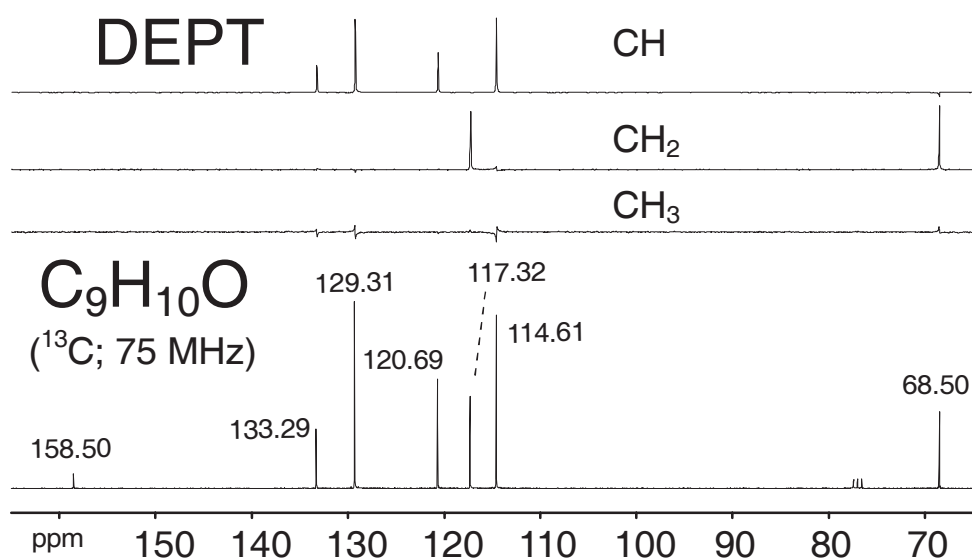
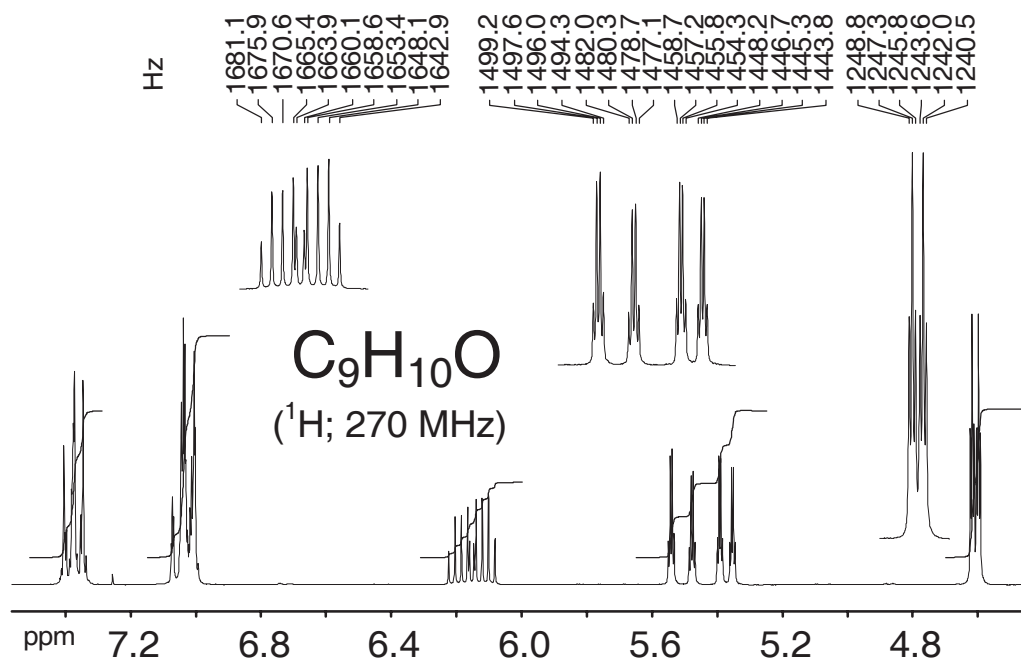


Problem 4



Exercises, problem 4: Four of the most common coupling constants are found in this compound. Determine the structure! Extract three of the coupling constants! Make stereochemically correct assignments of as many of the protons as possible to the NMR signals! Note: the integrals have been shifted slightly to the left for clarity.

Problem 7



Exercises, problem 7: Determine the structure and conformation of the compound! Determine all coupling constants between the non-aromatic protons! Make stereochemically correct assignments of all non-aromatic protons!