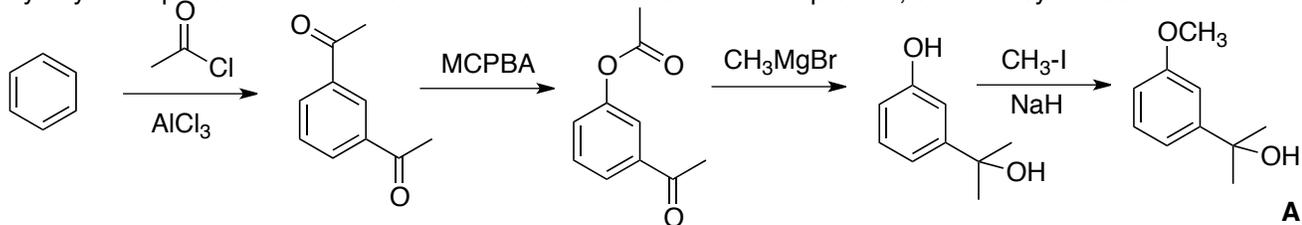
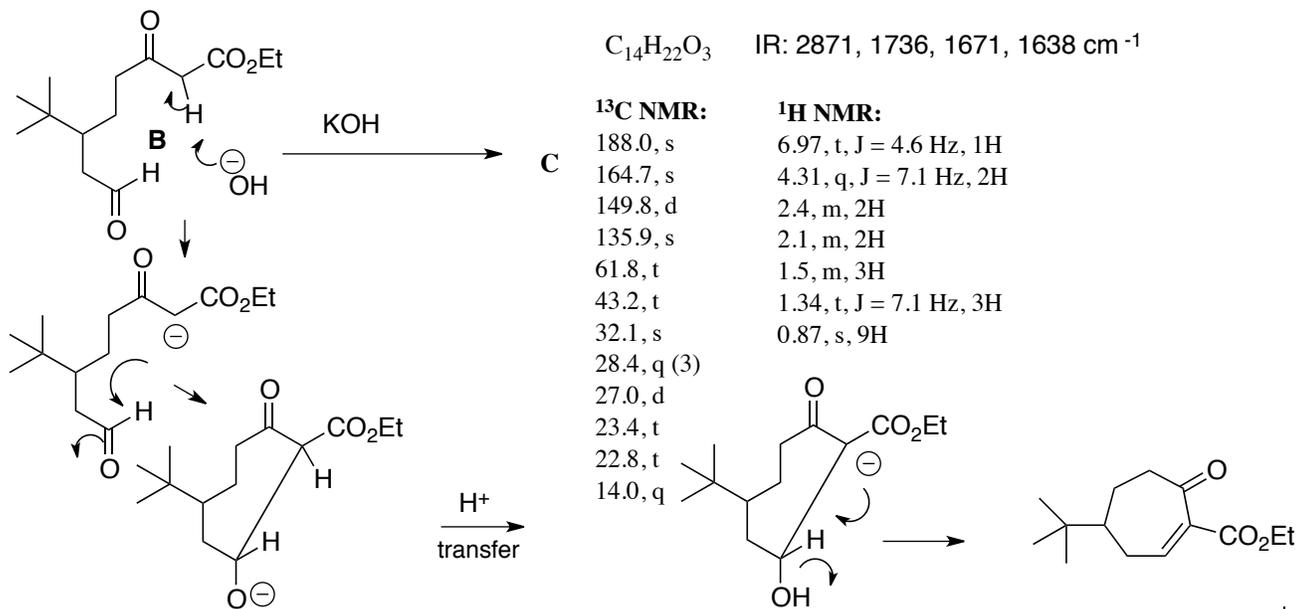


1. (10 points) Using any monosubstituted benzene that contributes six carbons to the final product, and any any other piece that contribute three or fewer carbons to the final product, outline a synthesis of **A**.



2. (10 points) Draw the structure of **C**, and the mechanism for its formation from **B**.



3. (10 points) Outline a mechanism for the transformation of **D** to **E**.

