

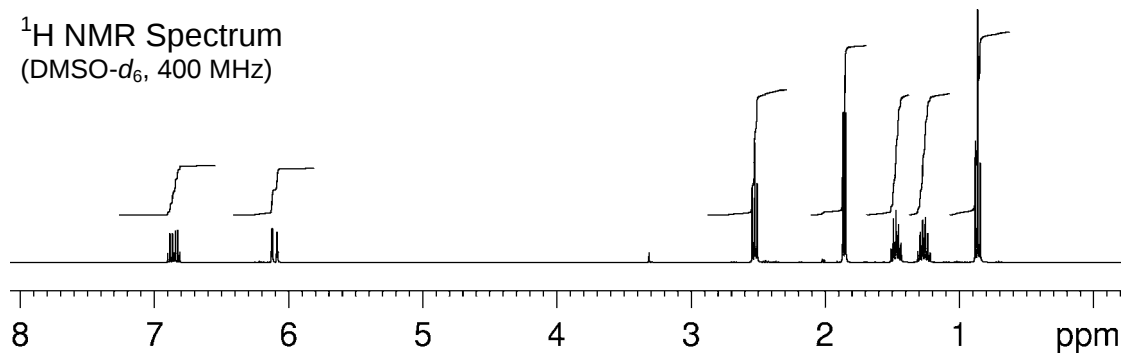
# Problem 11

Identify the following compound.

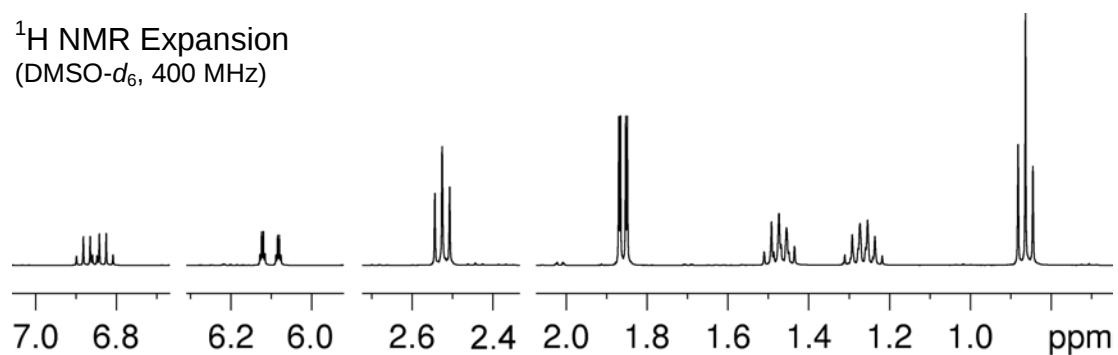
Molecular Formula:  $C_8H_{14}O$

IR:  $1698, 1638\text{ cm}^{-1}$

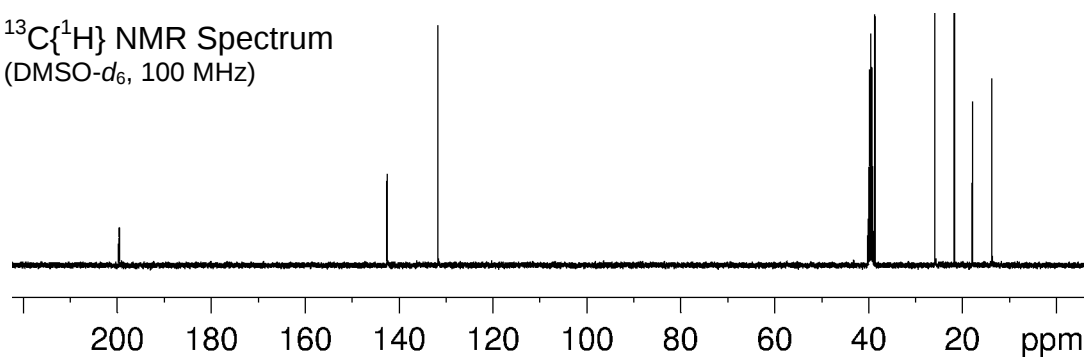
$^1\text{H}$  NMR Spectrum  
(DMSO- $d_6$ , 400 MHz)



$^1\text{H}$  NMR Expansion  
(DMSO- $d_6$ , 400 MHz)



$^{13}\text{C}\{^1\text{H}\}$  NMR Spectrum  
(DMSO- $d_6$ , 100 MHz)



$^{13}\text{C}\{^1\text{H}\}$  NMR Expansion  
(DMSO- $d_6$ , 100 MHz)

