

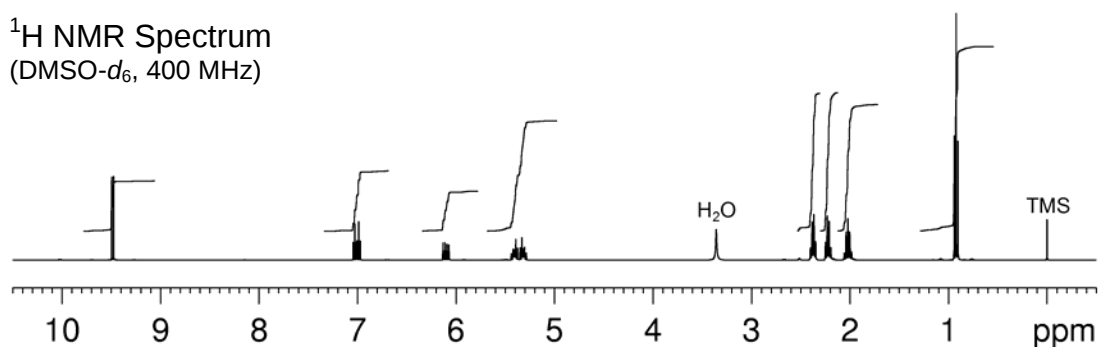
# Problem 31

Identify the following compound.

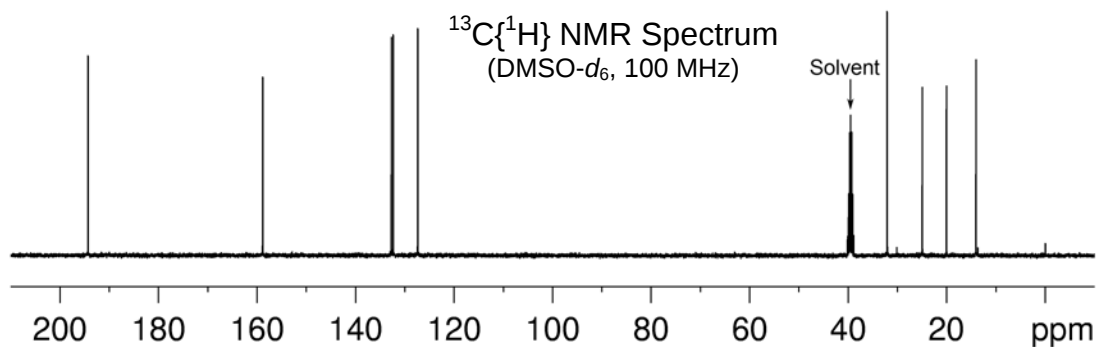
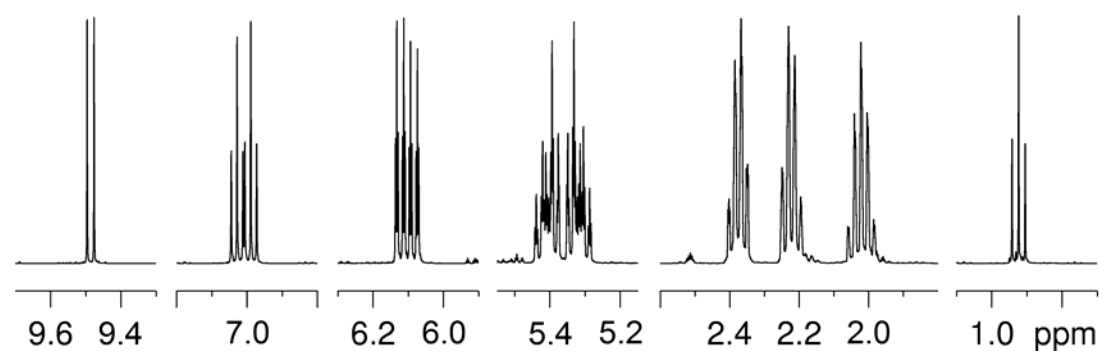
Molecular Formula:  $C_9H_{14}O$

IR:  $1693\text{ cm}^{-1}$

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



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



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

