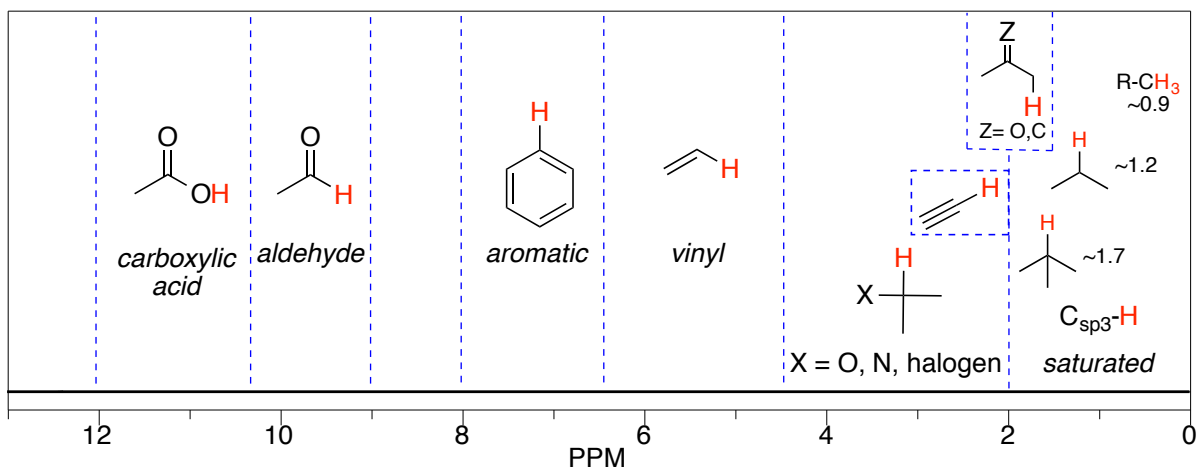


Proton NMR Chemical Shift Regions



Representative Values for the Saturated Region

Methyl	Methylene	Methine
<chem>CH4</chem>	<chem>CH2</chem>	<chem>CH</chem>
~0.9 ppm	~1.2 ppm	~1.7 ppm

Representative Values - Neighboring Electronegative Atom

<chem>OC</chem>	<chem>ClC</chem>	<chem>BrC</chem>	<chem>IC</chem>	<chem>NCC</chem>
~3.4 ppm	3.1 ppm	2.7 ppm	2.2 ppm	2.4 ppm

Carbon-13 NMR Chemical Shift Regions

