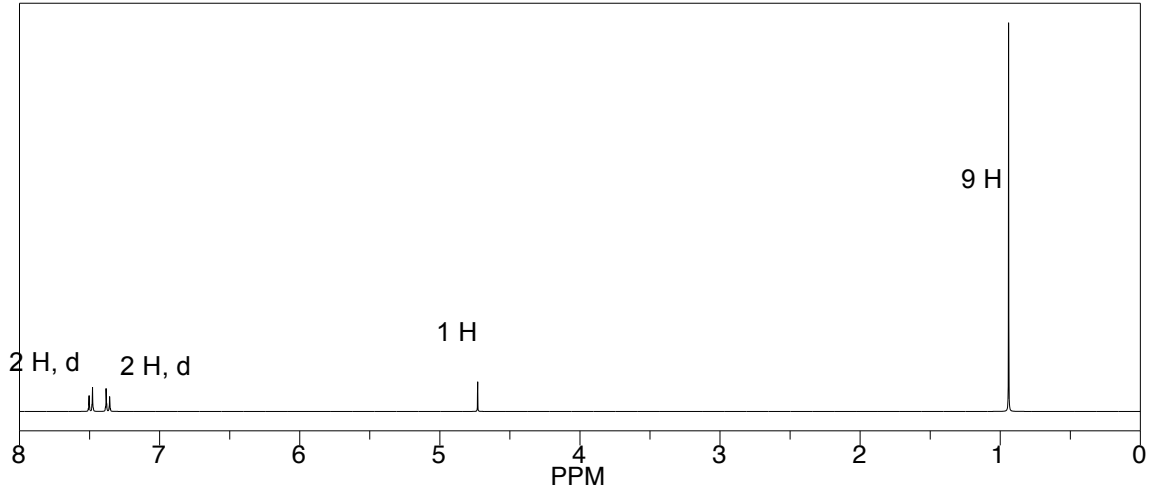
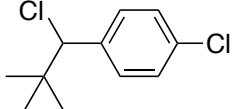
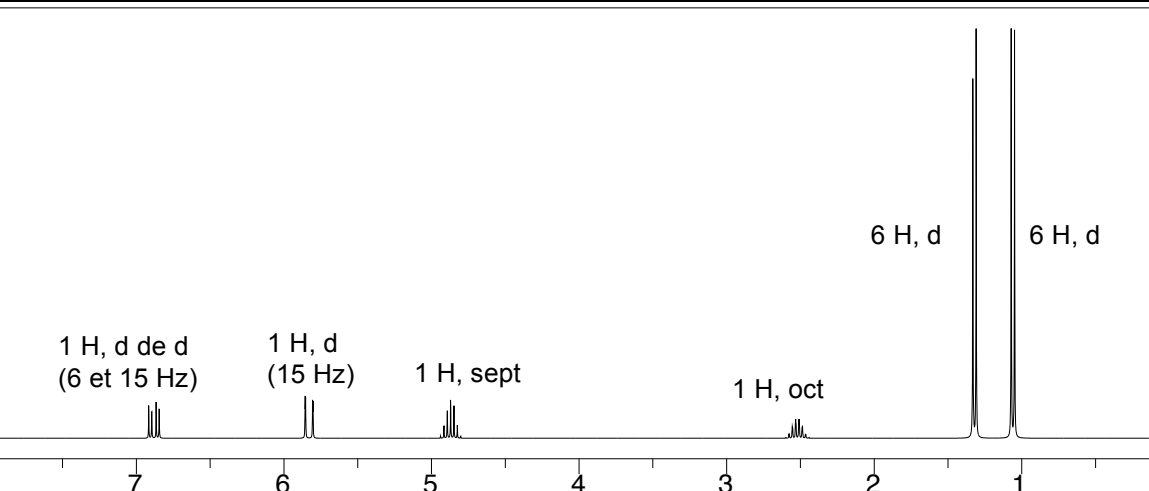
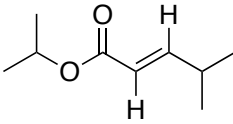
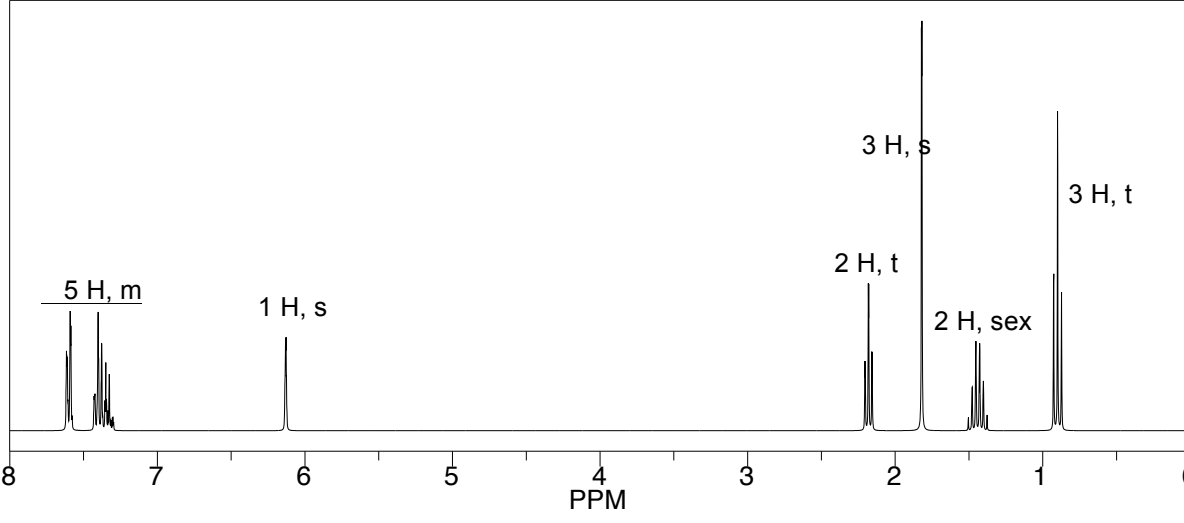
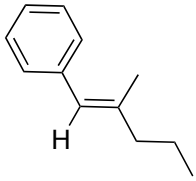
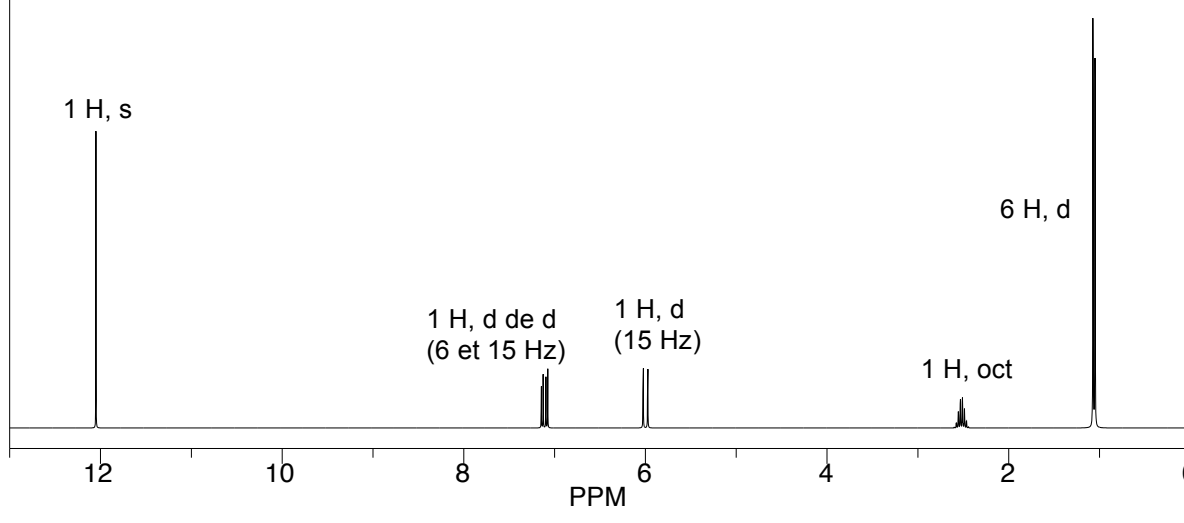
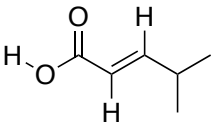
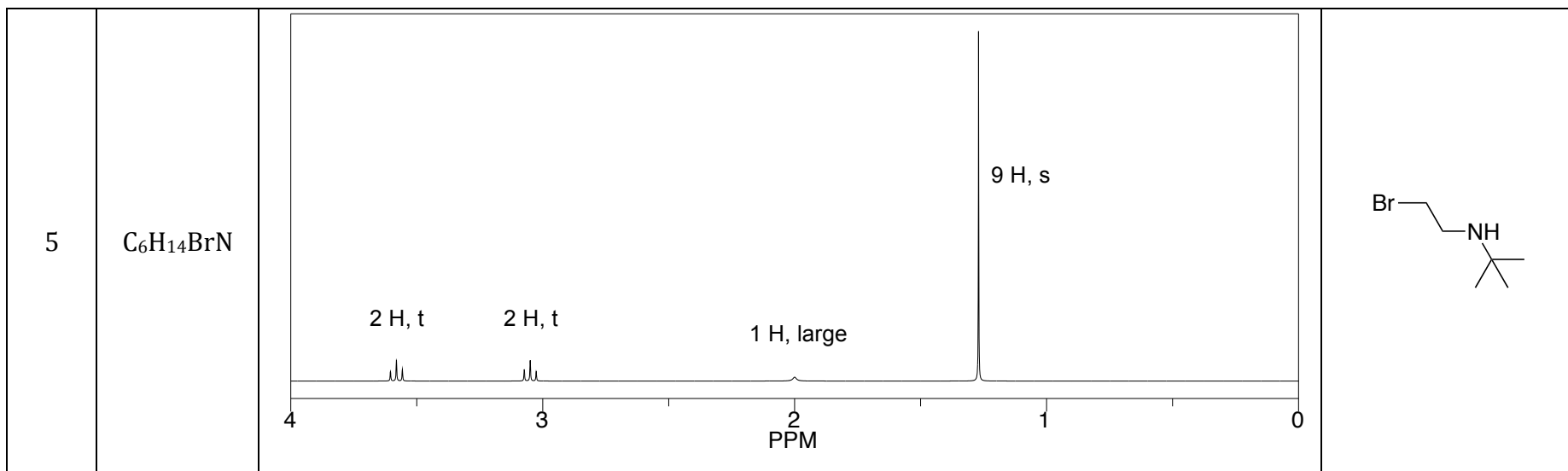


Pour chacun des spectres RMN-¹H des composés inconnus montrés ci-dessous, analysez le spectre et dessinez la structure du composé.

No.	Formule	Spectre	Structure
1	C ₁₁ H ₁₄ Cl ₂	 <p>2 H, d 2 H, d 1 H 9 H</p> <p>8 7 6 5 4 3 2 1 0</p> <p>PPM</p>	
2	C ₉ H ₁₆ O ₂	 <p>1 H, d de d (6 et 15 Hz) 1 H, d (15 Hz) 1 H, sept 1 H, oct 6 H, d 6 H, d</p> <p>8 7 6 5 4 3 2 1 0</p> <p>PPM</p>	

3	C ₁₂ H ₁₆	 <p>1H NMR spectrum of C₁₂H₁₆ showing peaks at approximately 7.2-7.4 ppm (5 H, m), 6.1 ppm (1 H, s), 2.1 ppm (2 H, t), 1.8 ppm (3 H, s), 1.4 ppm (2 H, sex), and 0.9 ppm (3 H, t). The x-axis is labeled PPM from 8 to 0.</p>	 <p>Chemical structure of 1-phenyl-2-methyl-2-butene.</p>
4	C ₆ H ₁₀ O ₂	 <p>1H NMR spectrum of C₆H₁₀O₂ showing peaks at approximately 12.1 ppm (1 H, s), 7.1 ppm (1 H, d de d, 6 et 15 Hz), 6.1 ppm (1 H, d, 15 Hz), 2.5 ppm (1 H, oct), and 1.1 ppm (6 H, d). The x-axis is labeled PPM from 12 to 0.</p>	 <p>Chemical structure of 2-methyl-2-butenoic acid.</p>



Dessinez le spectre RMN-¹H attendu pour la structure ci-dessous:

