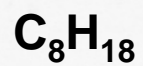


6

^{13}C NMR Spectrum
(50.0 MHz, CDCl_3 solution)



DEPT $\text{CH}_2\downarrow$ $\text{CH}_3\uparrow$ $\text{CH}\uparrow$

proton decoupled

solvent

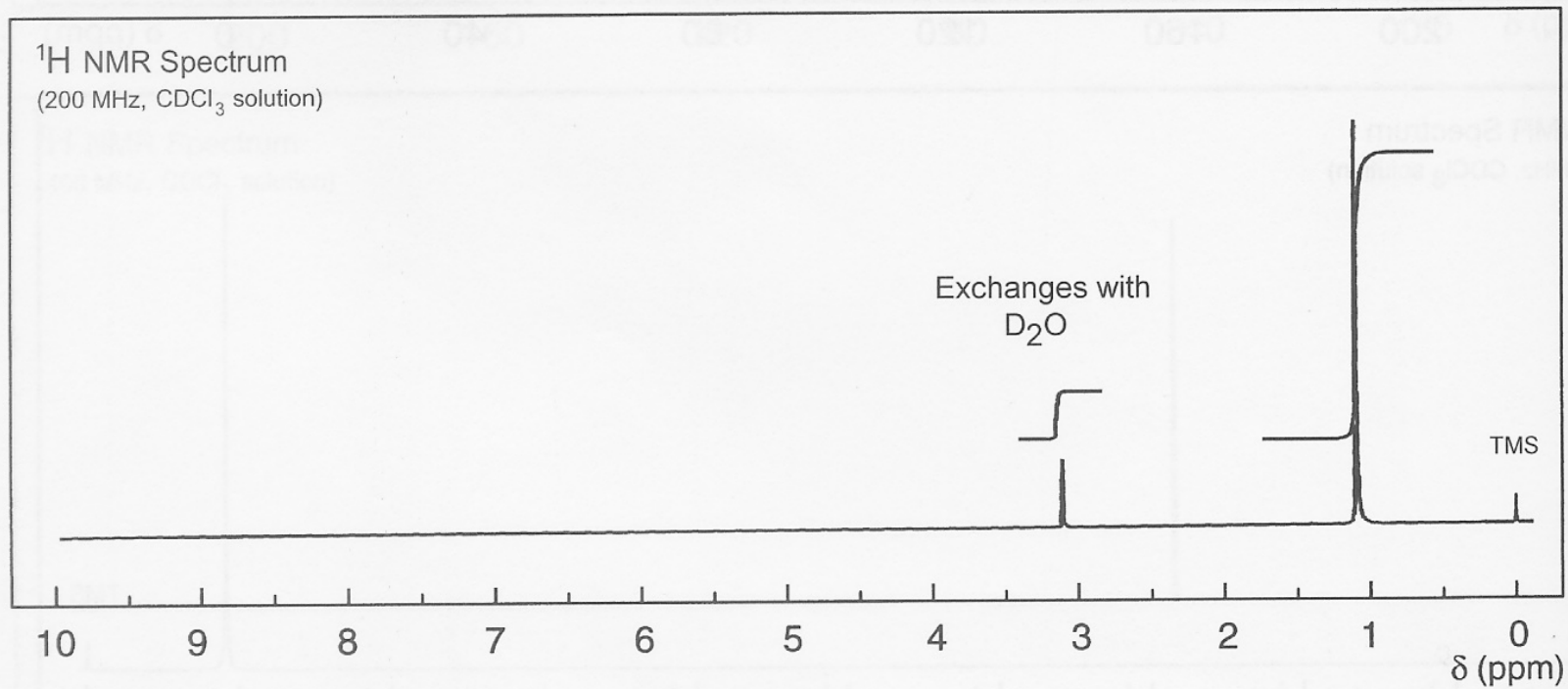
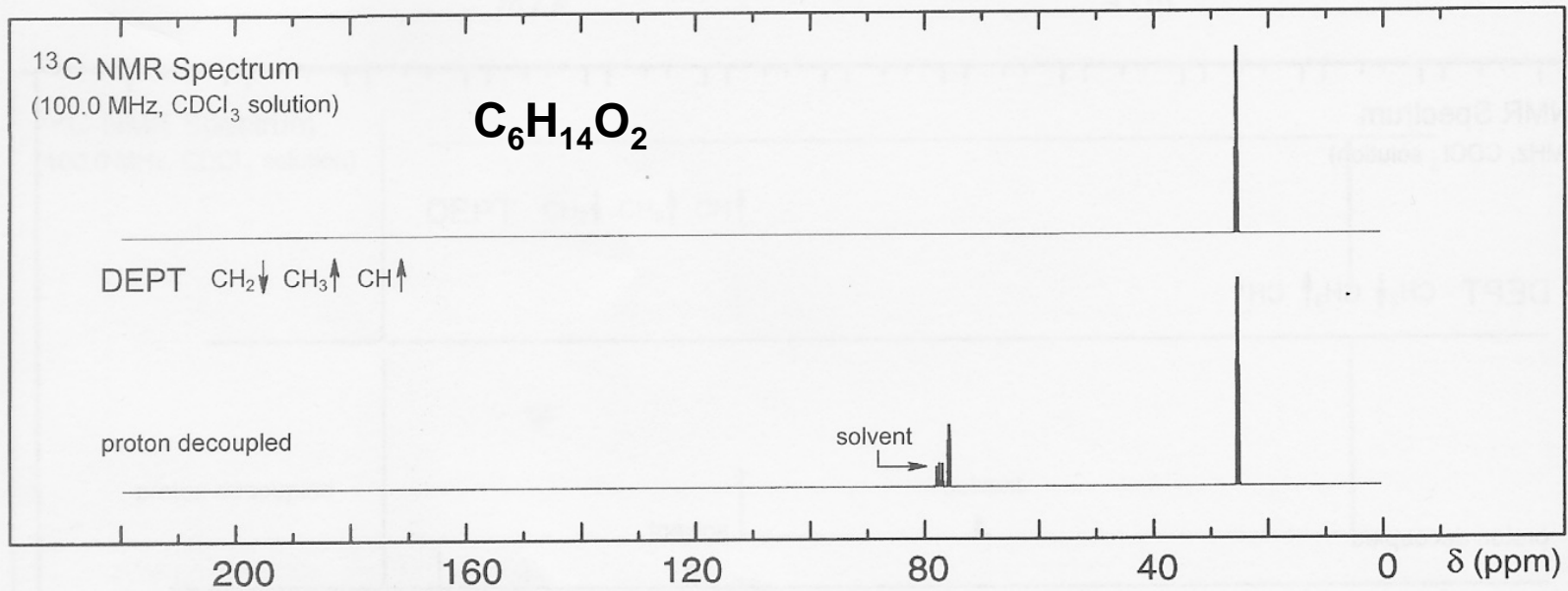
200 160 120 80 40 0 δ (ppm)

^1H NMR Spectrum
(200 MHz, CDCl_3 solution)

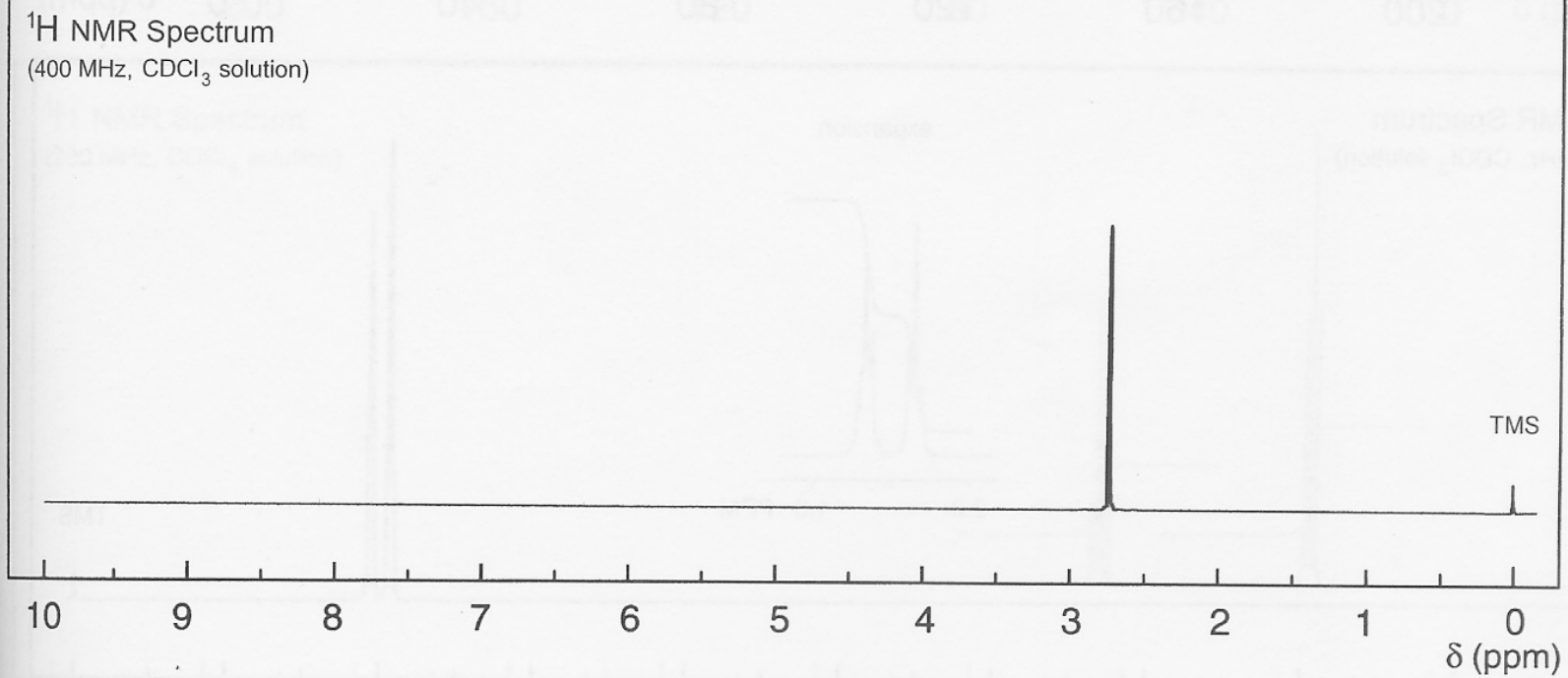
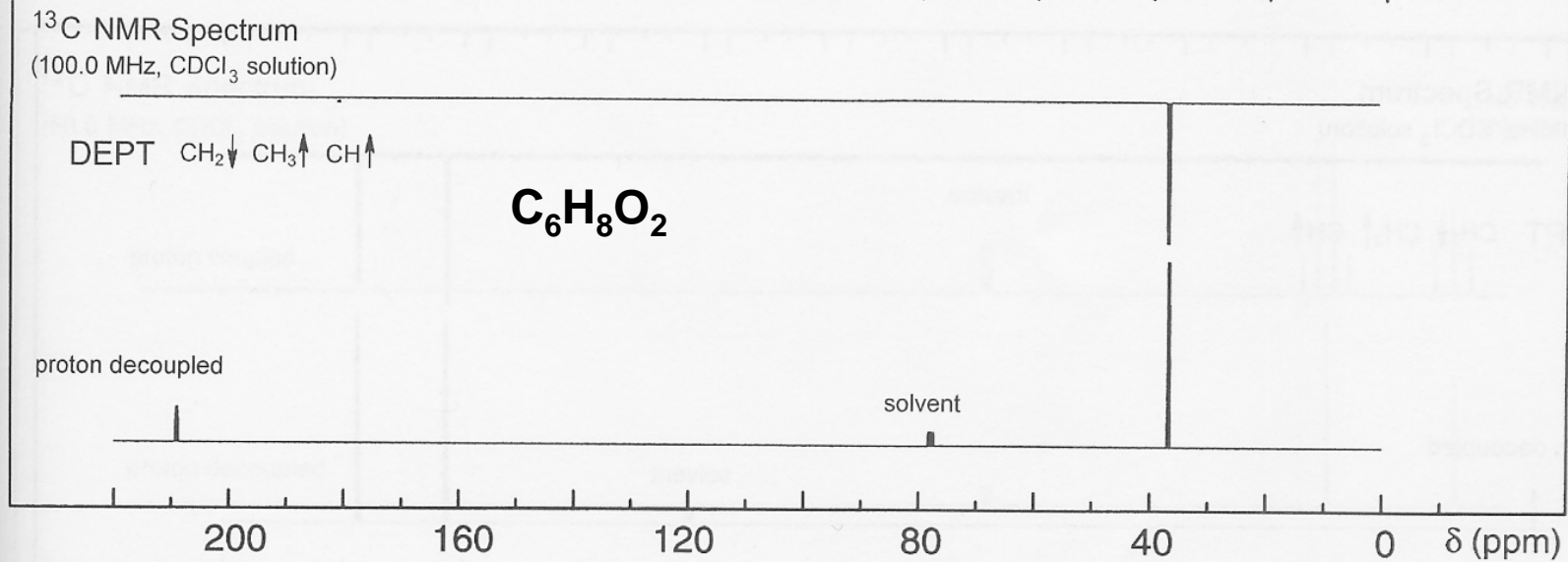
TMS

10 9 8 7 6 5 4 3 2 1 0 δ (ppm)

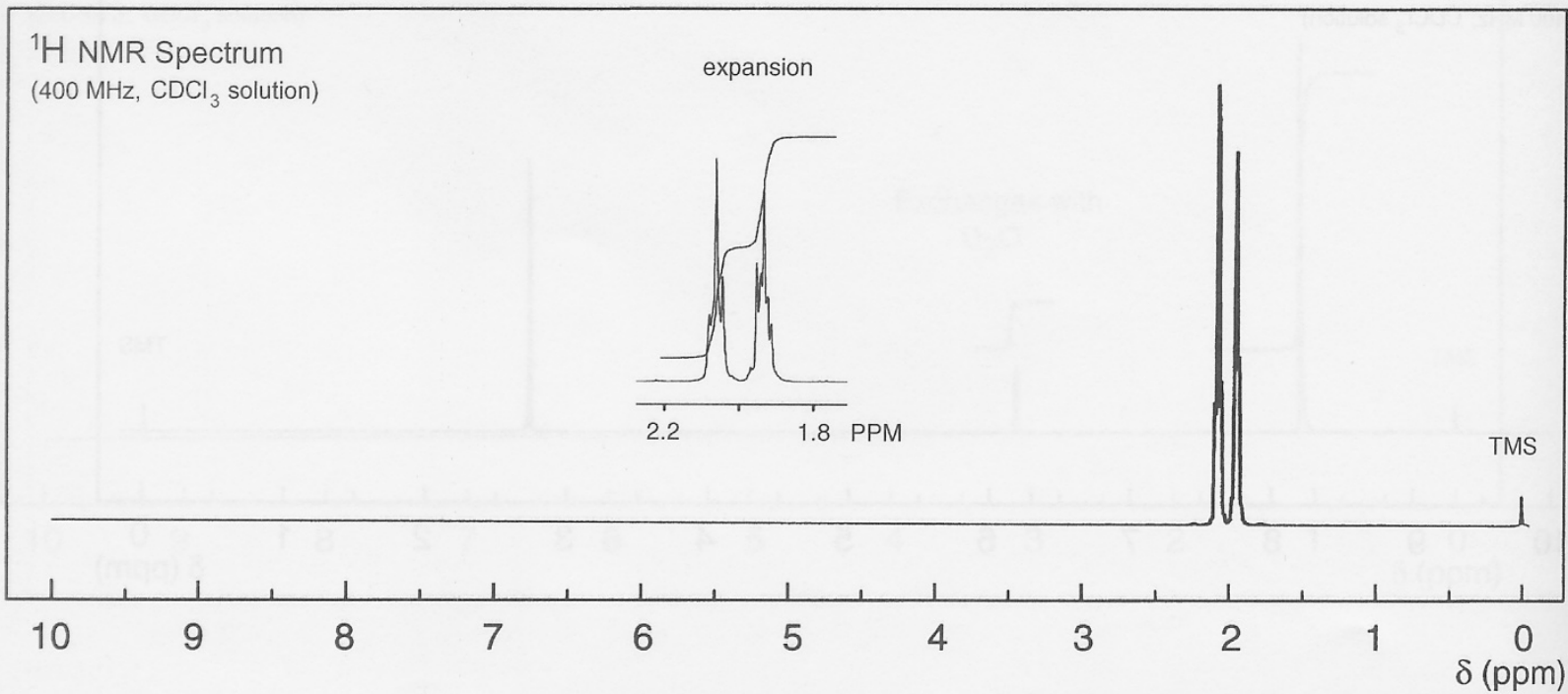
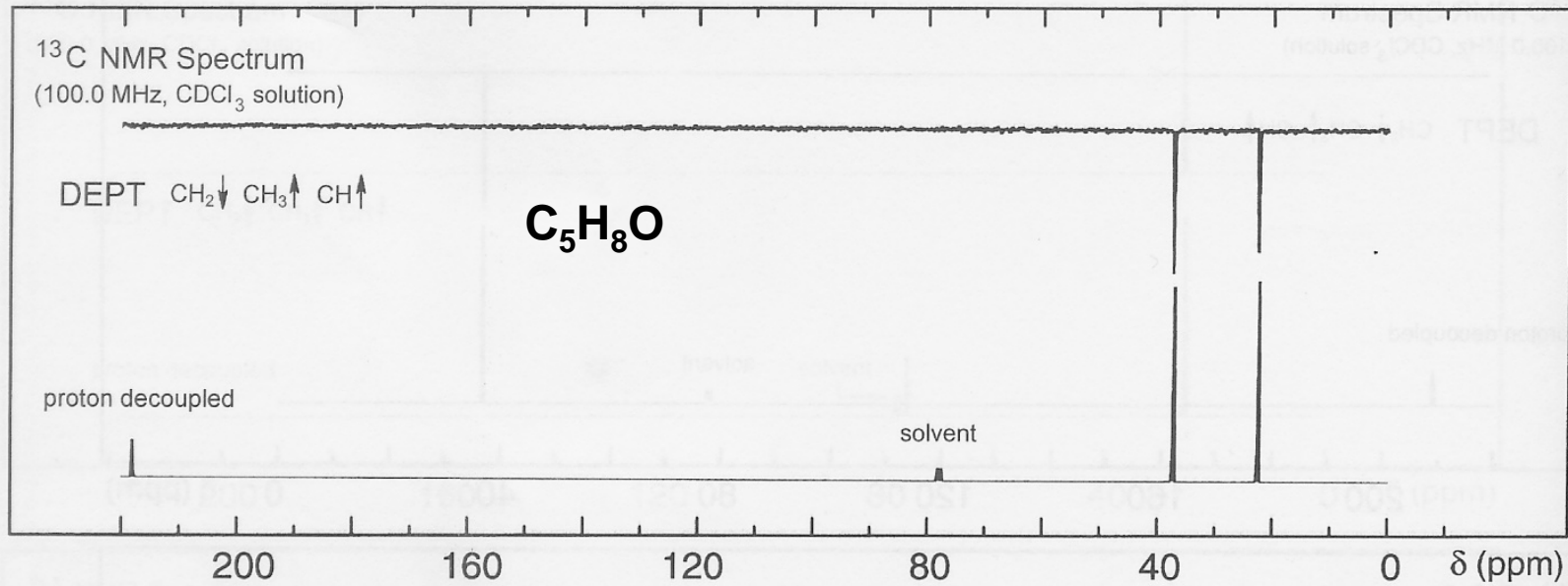
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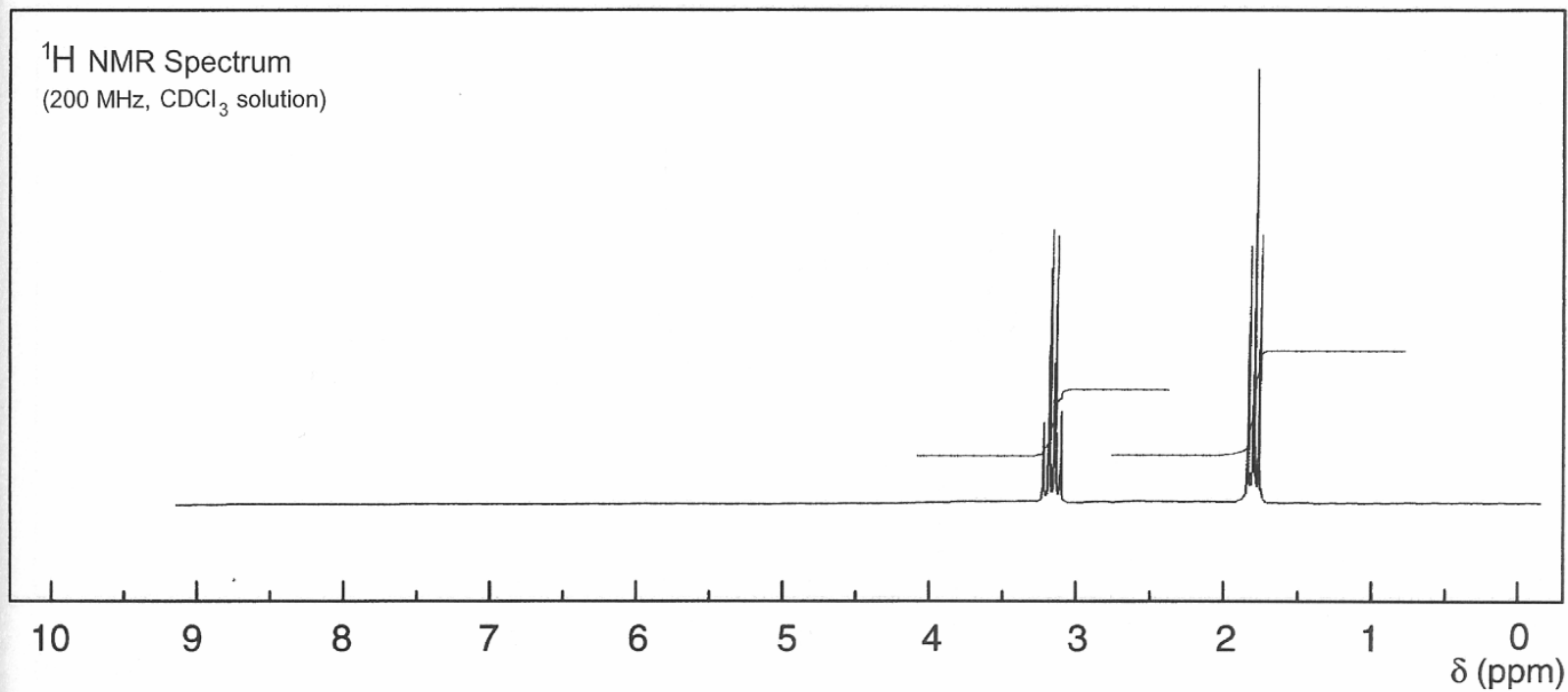
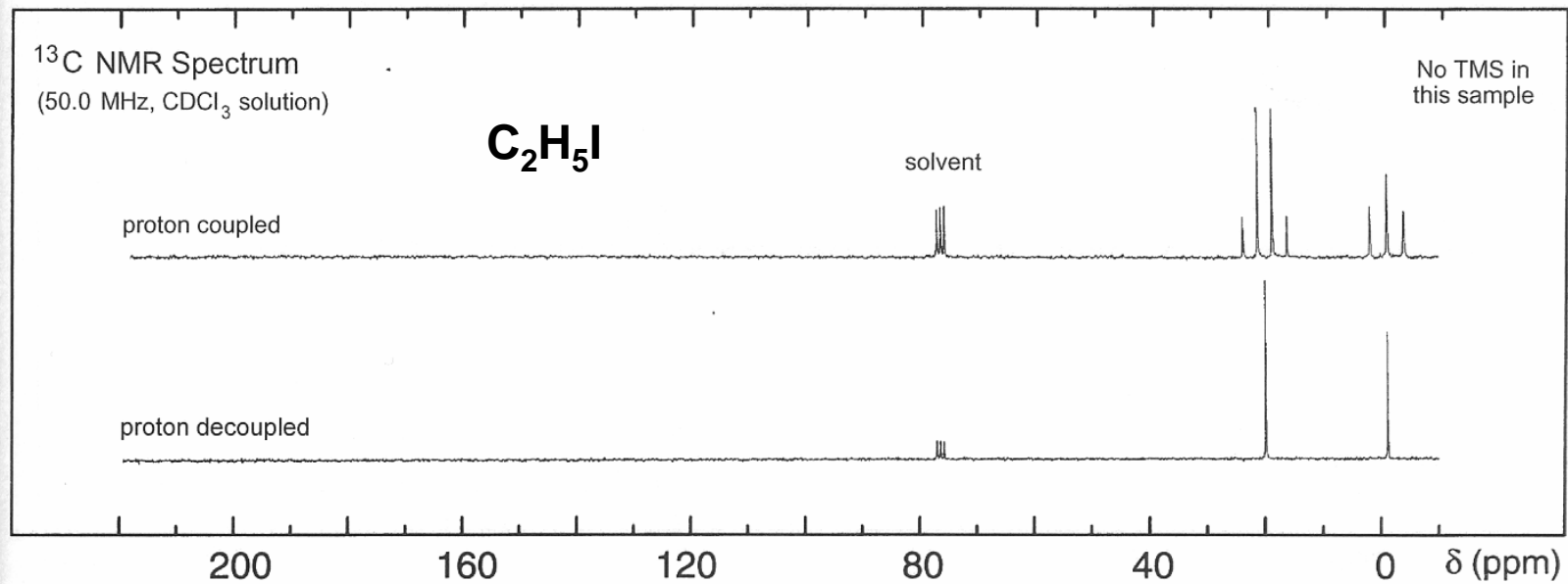
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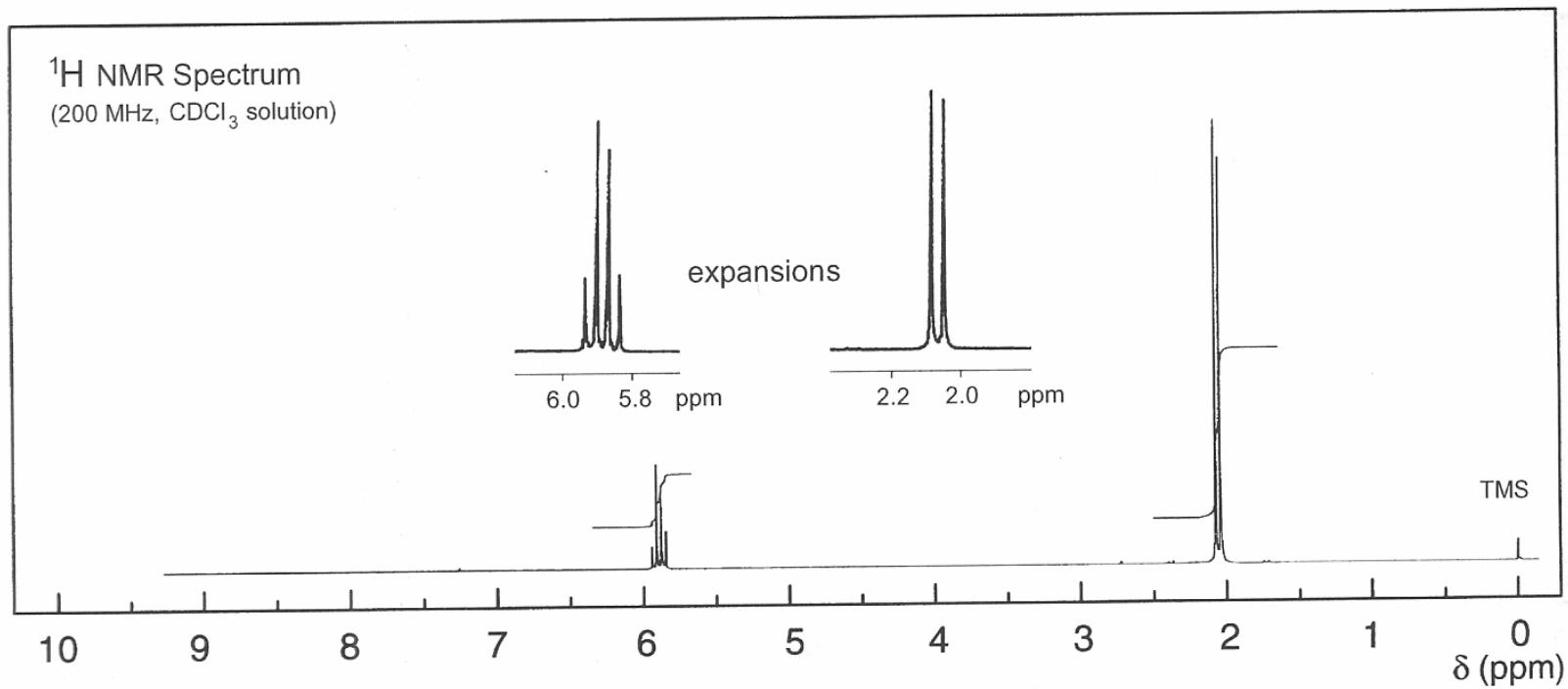
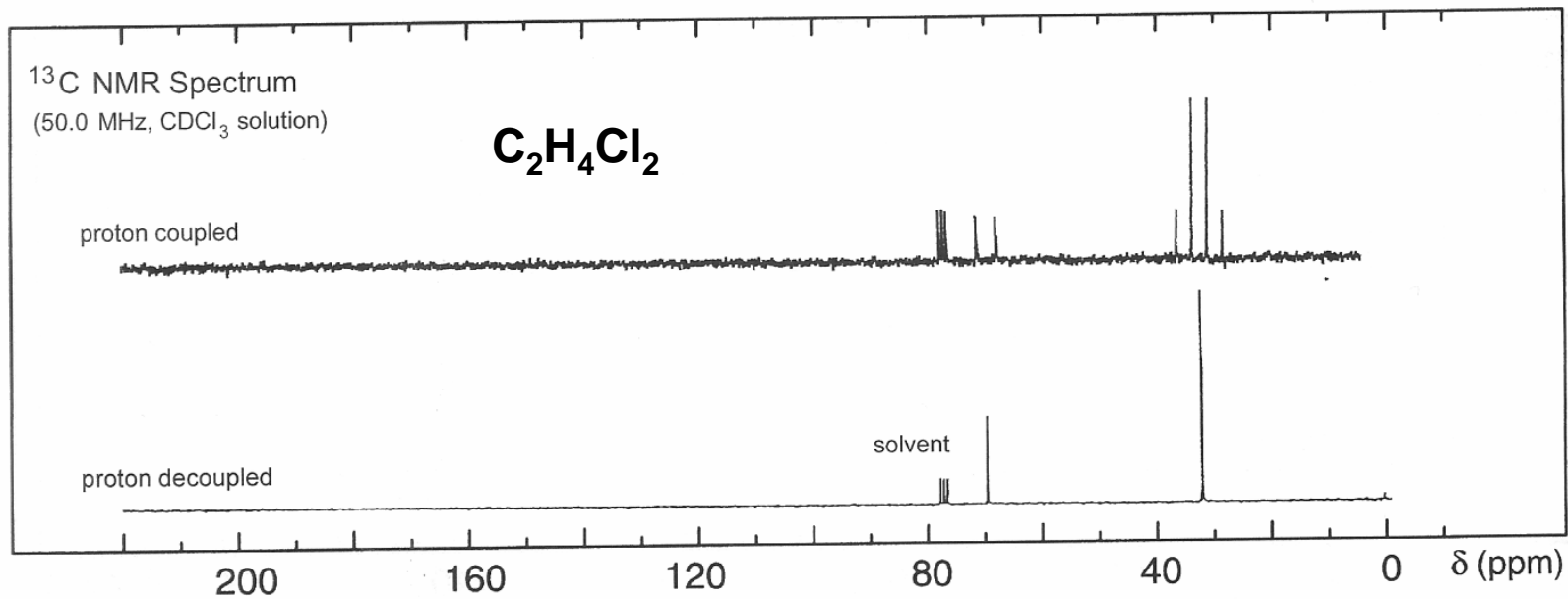


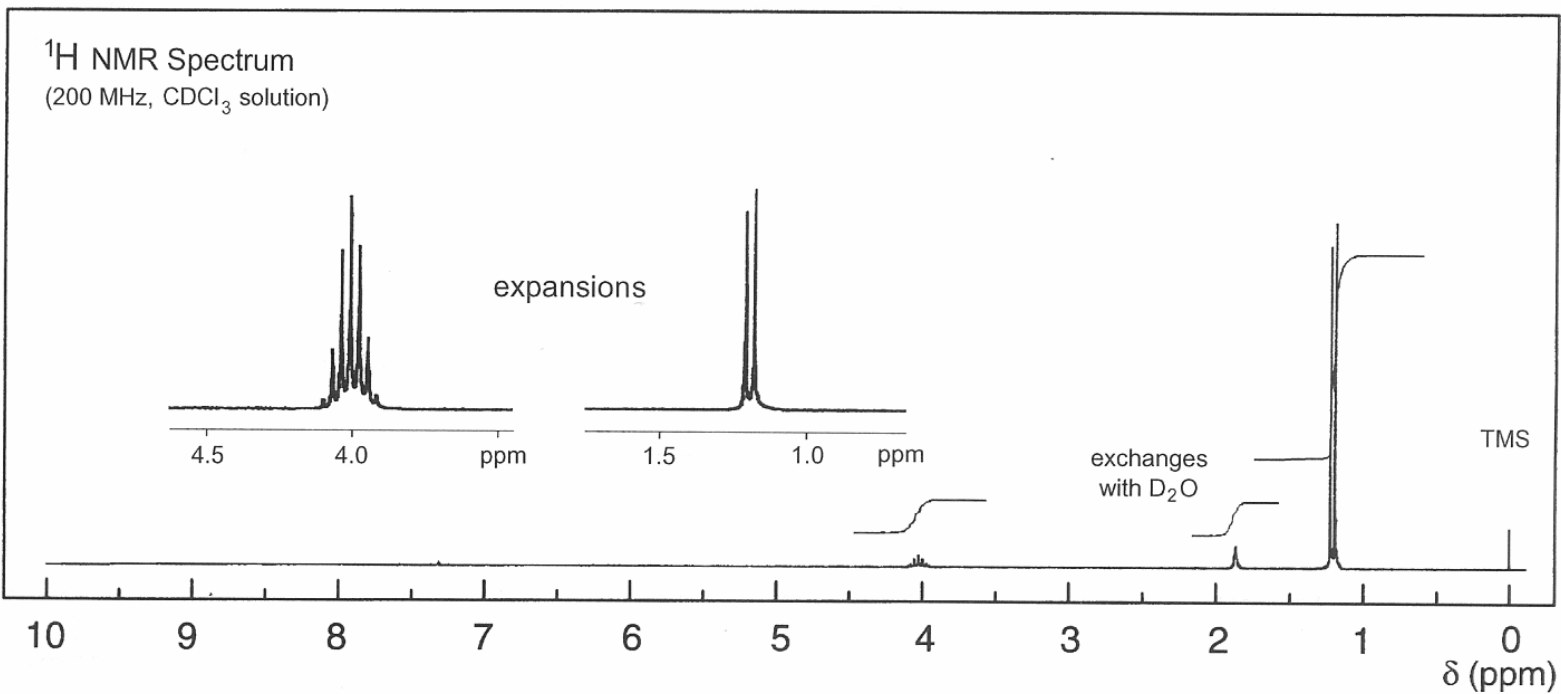
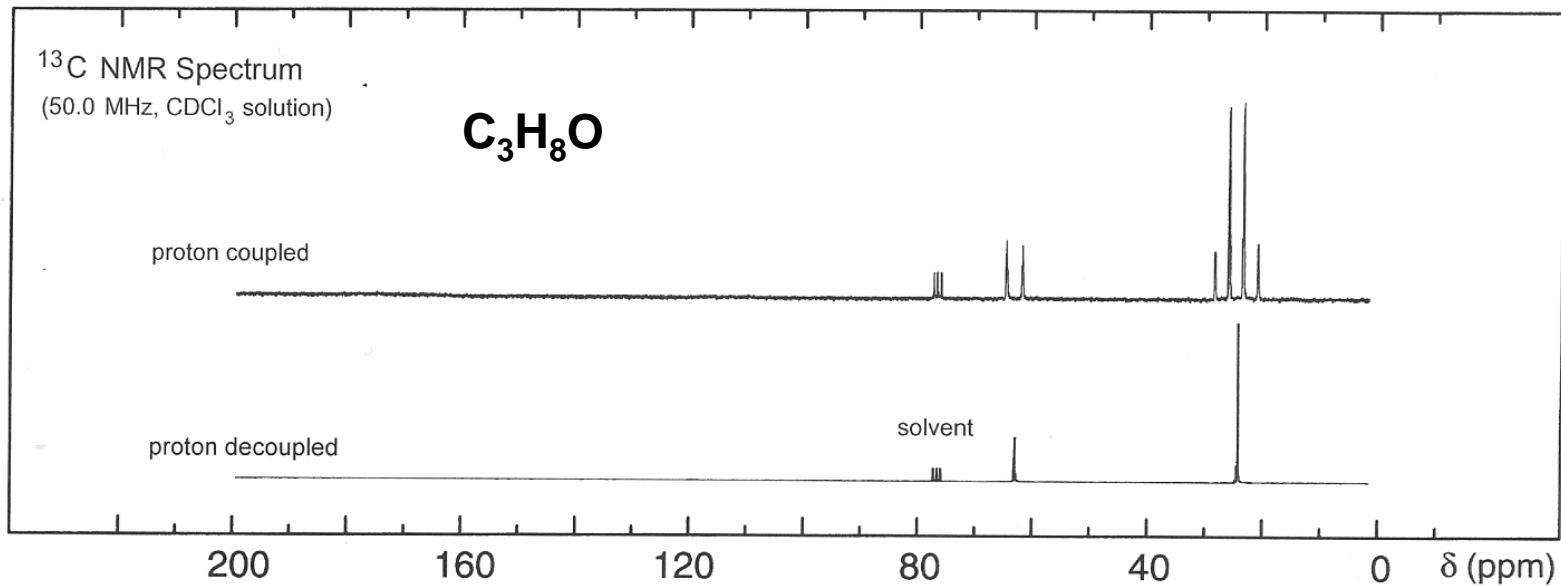
9



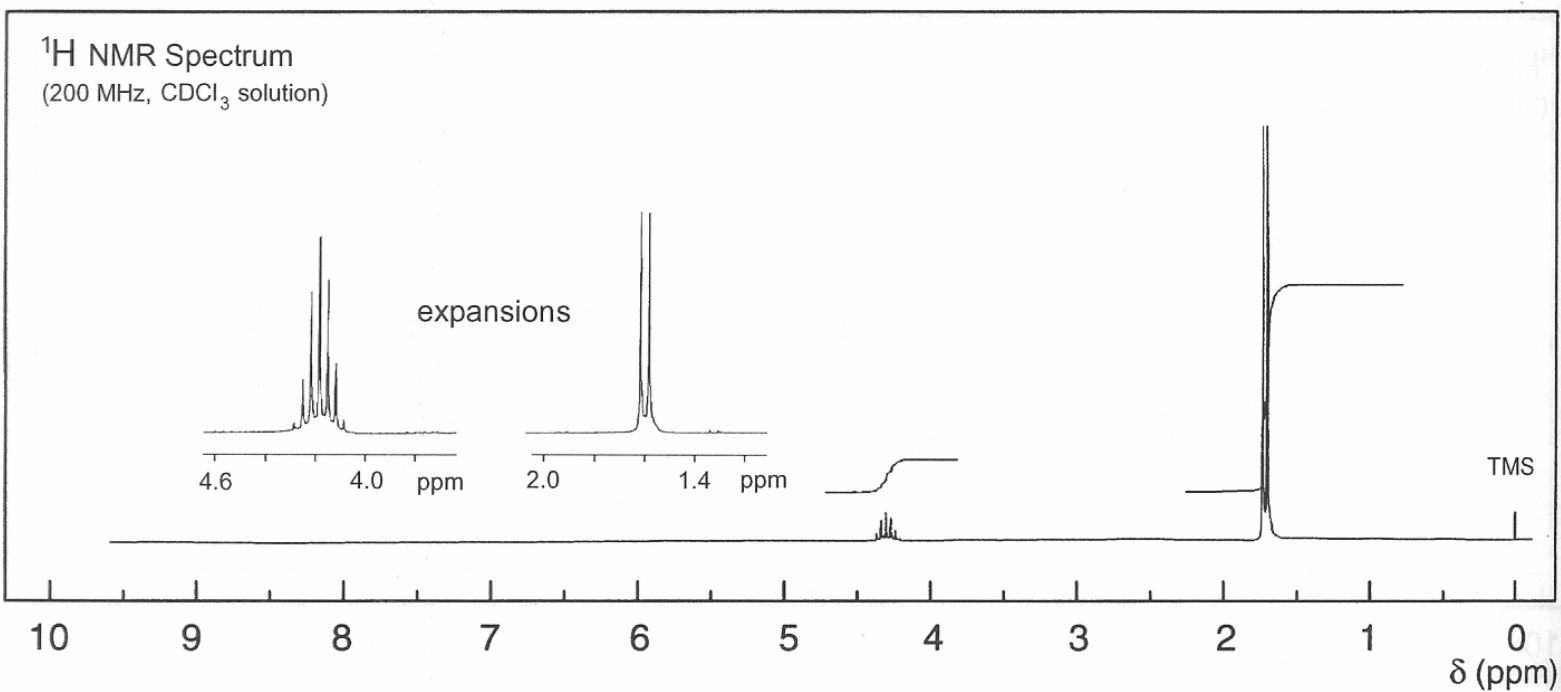
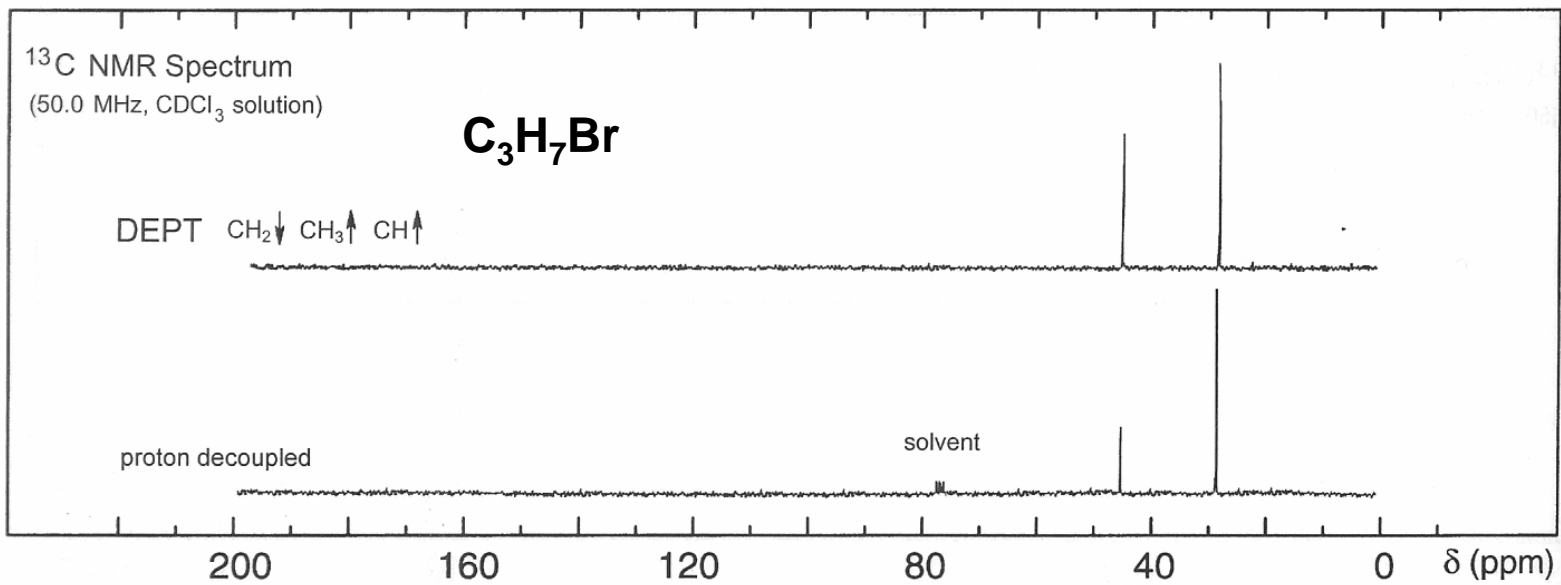
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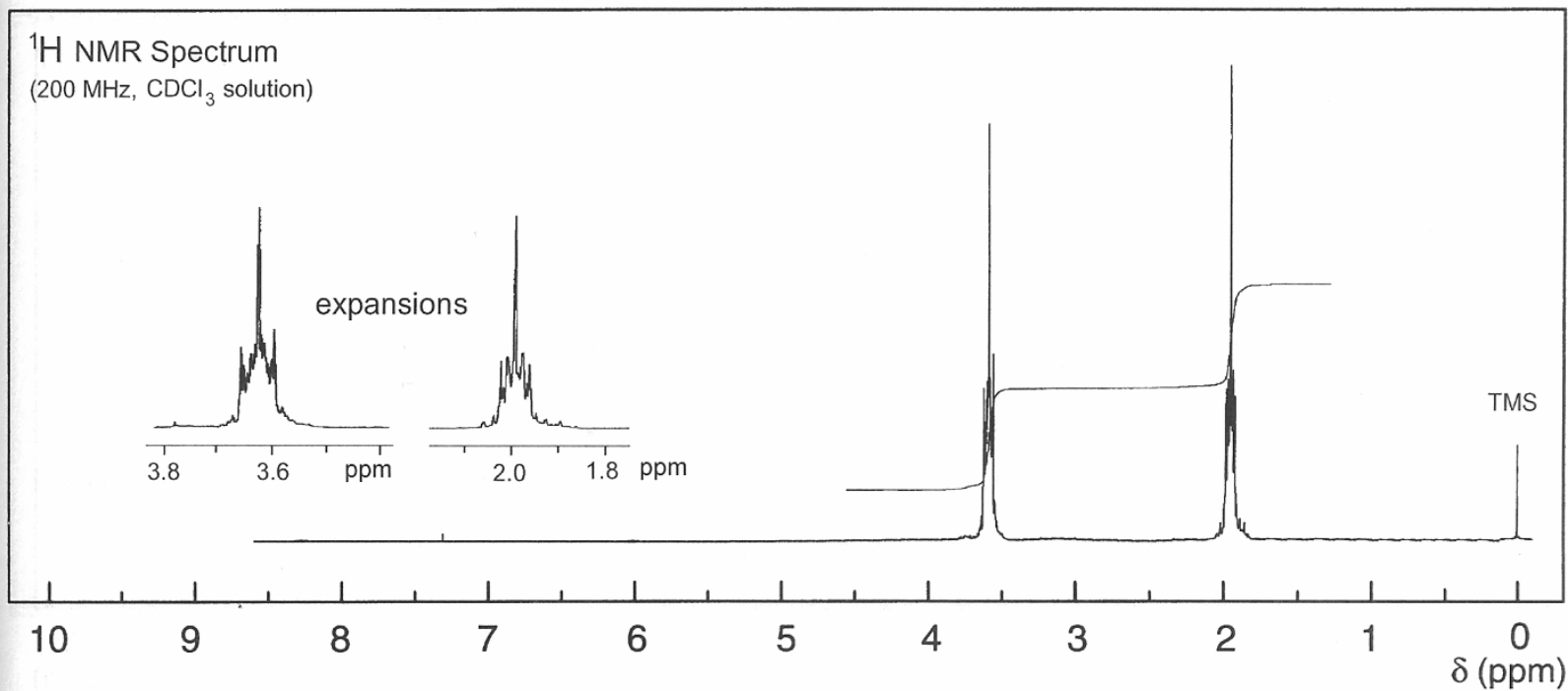
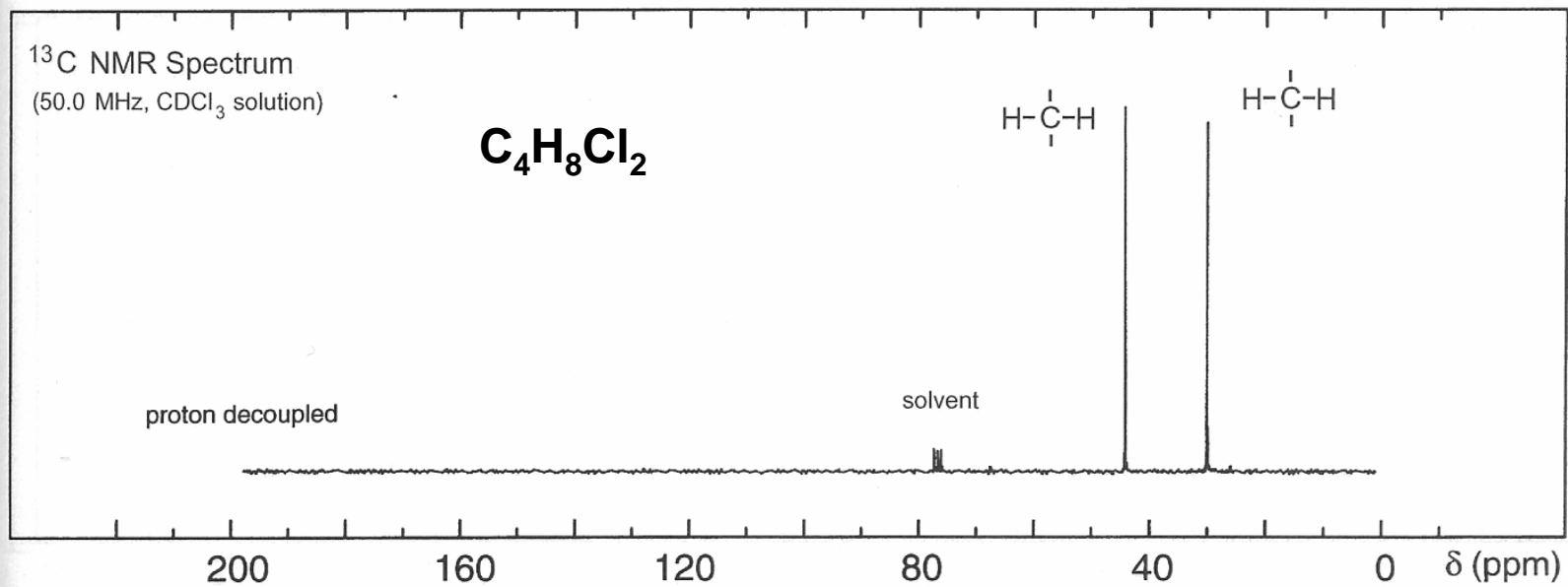




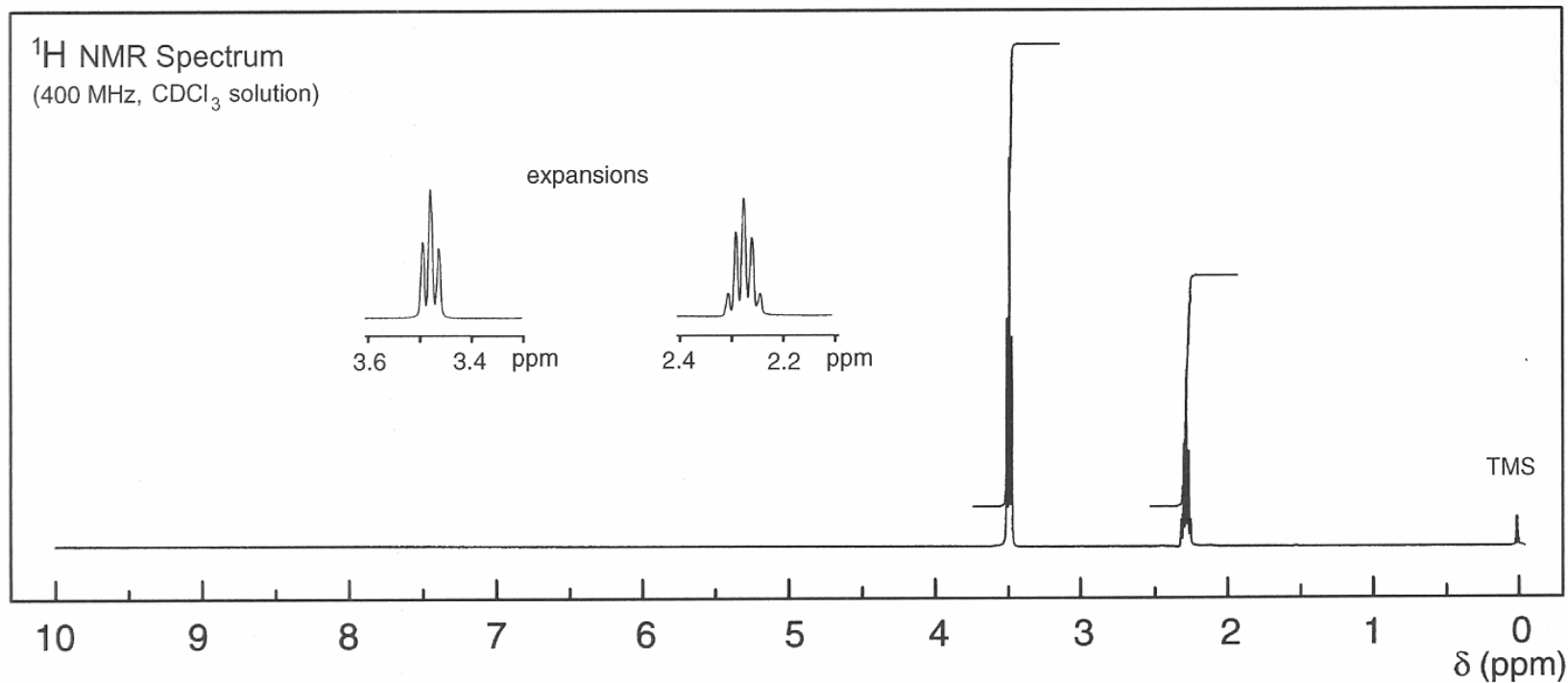
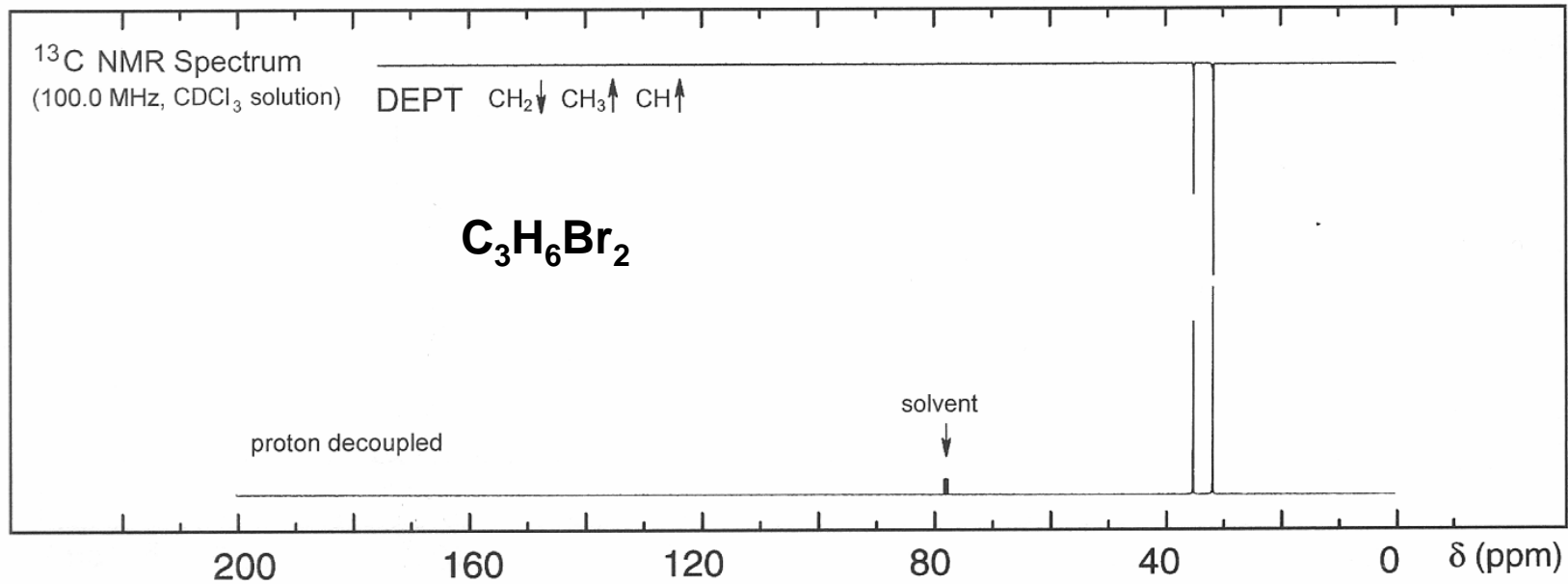


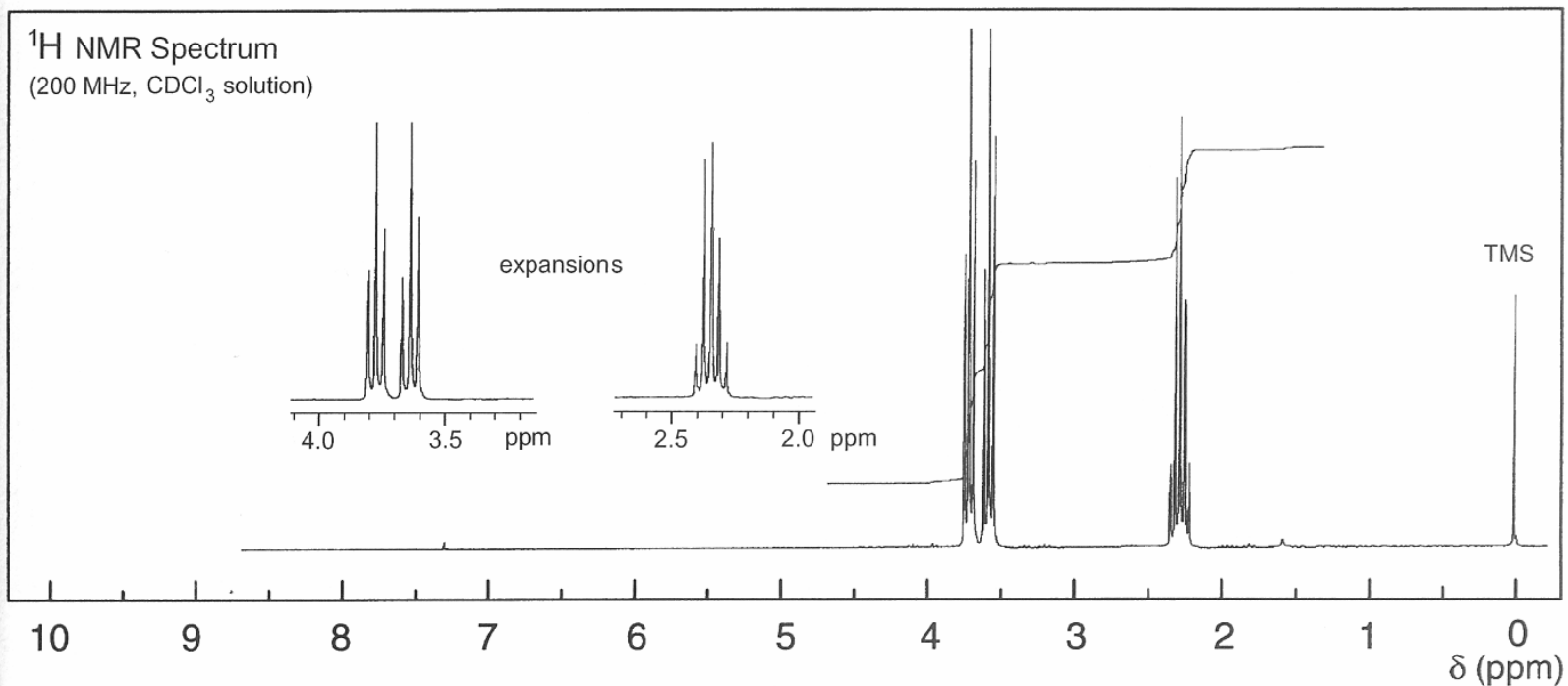
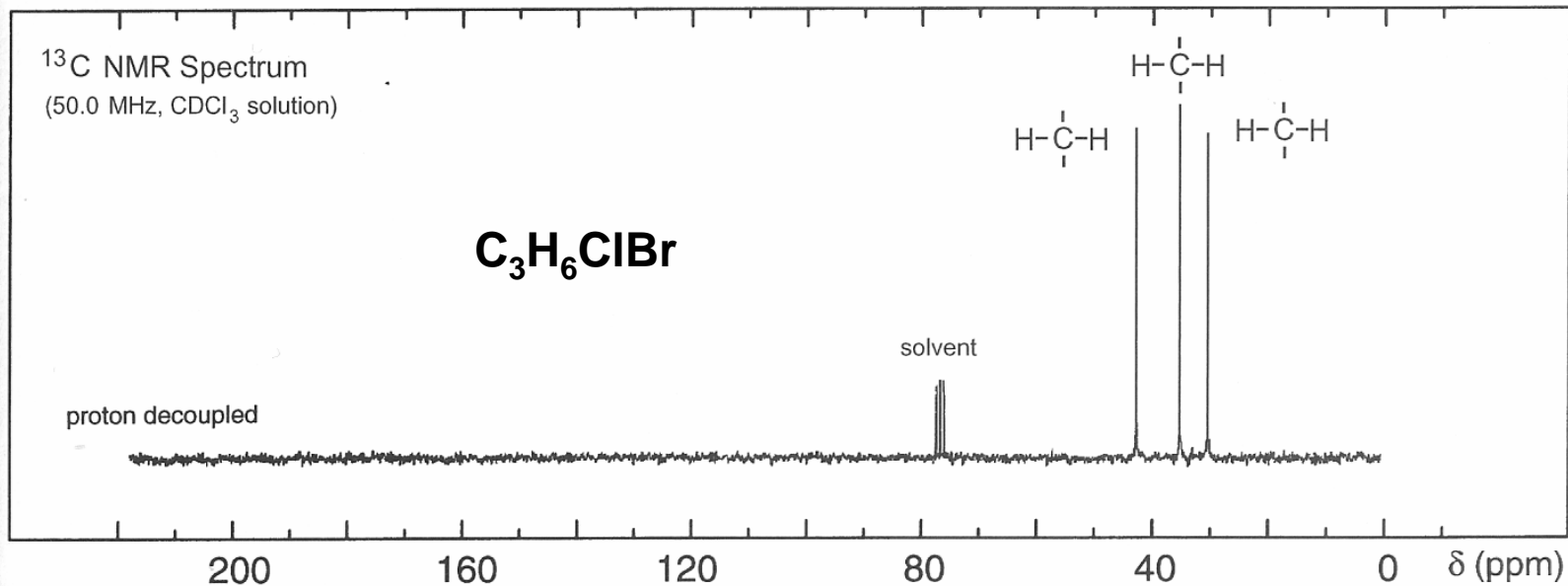
13



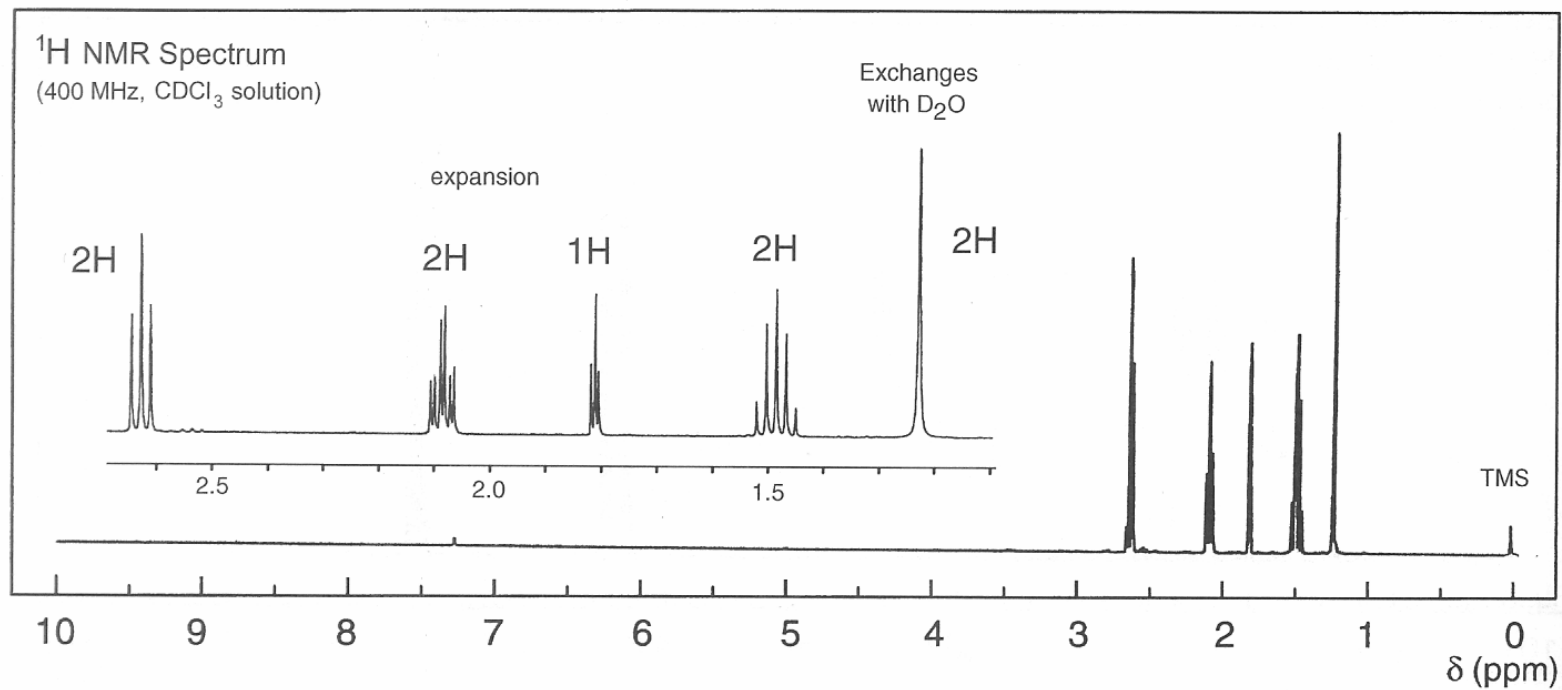
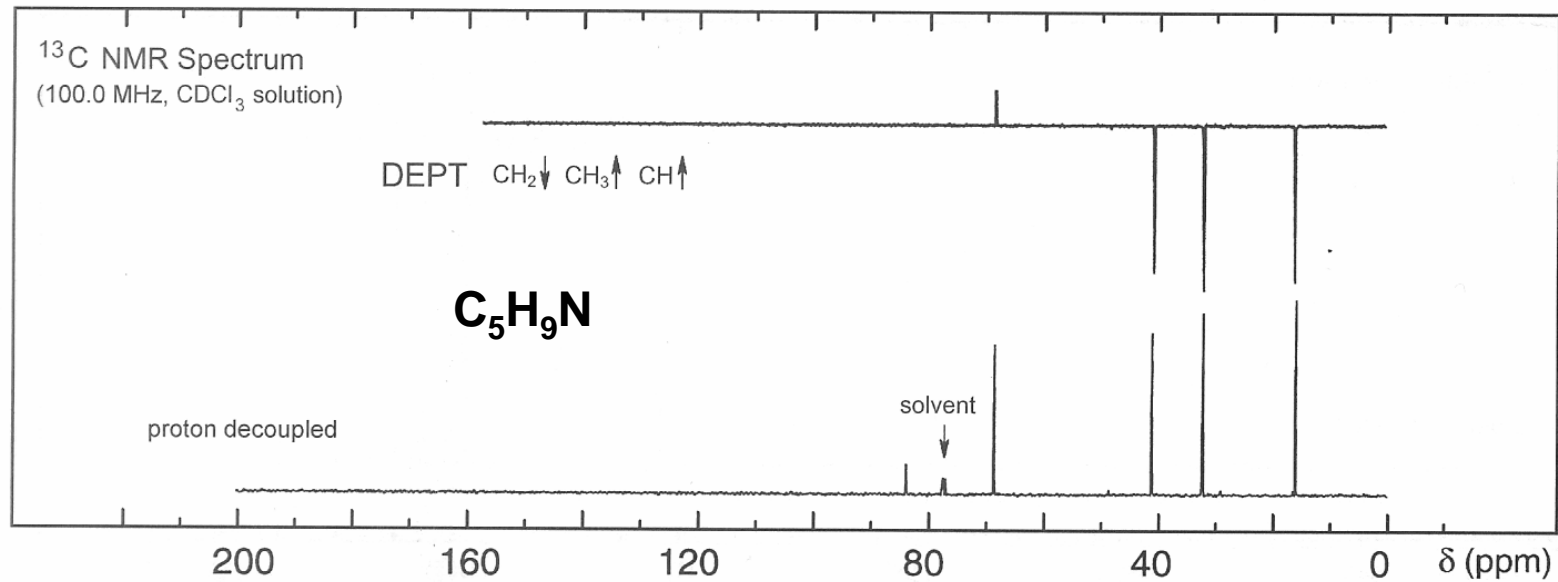


15





17



^{13}C NMR Spectrum
(100.0 MHz, D_2O solution)



DEPT $\text{CH}_2 \downarrow$ $\text{CH}_3 \uparrow$ $\text{CH} \uparrow$

proton decoupled

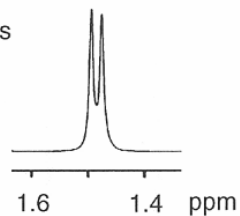
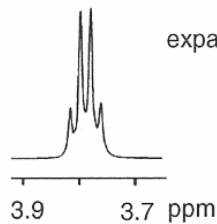
200 160 120 80 40 0 δ (ppm)

^1H NMR Spectrum

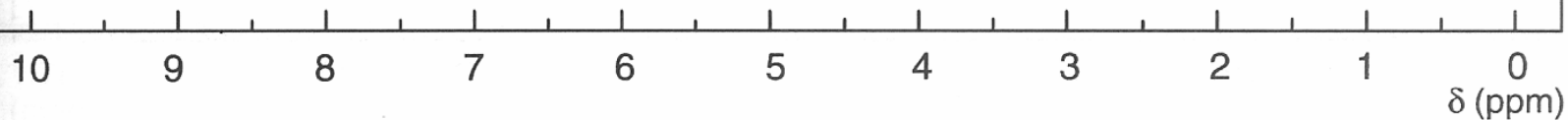
(400 MHz, D_2O solution)

Note: there are 3 protons
which exchange with
the D_2O solvent

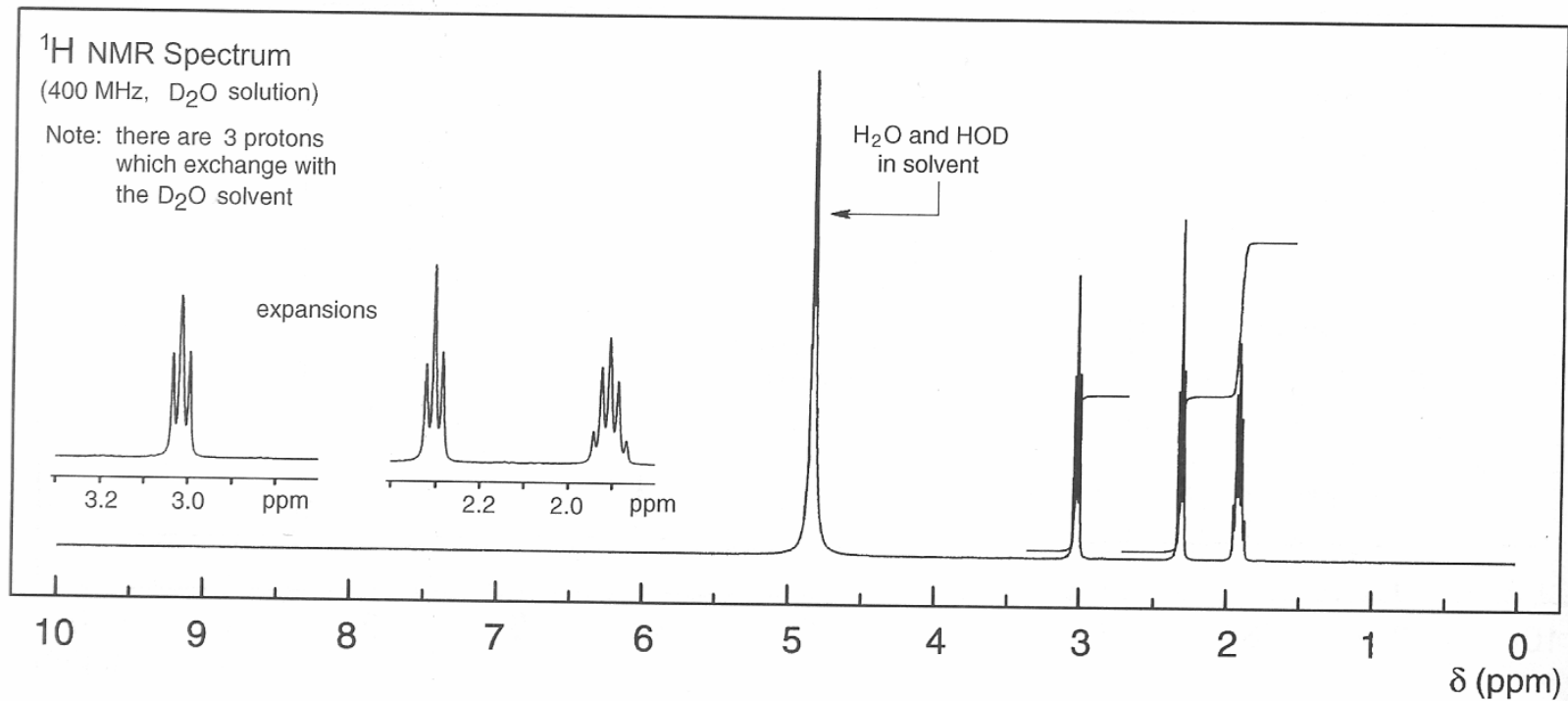
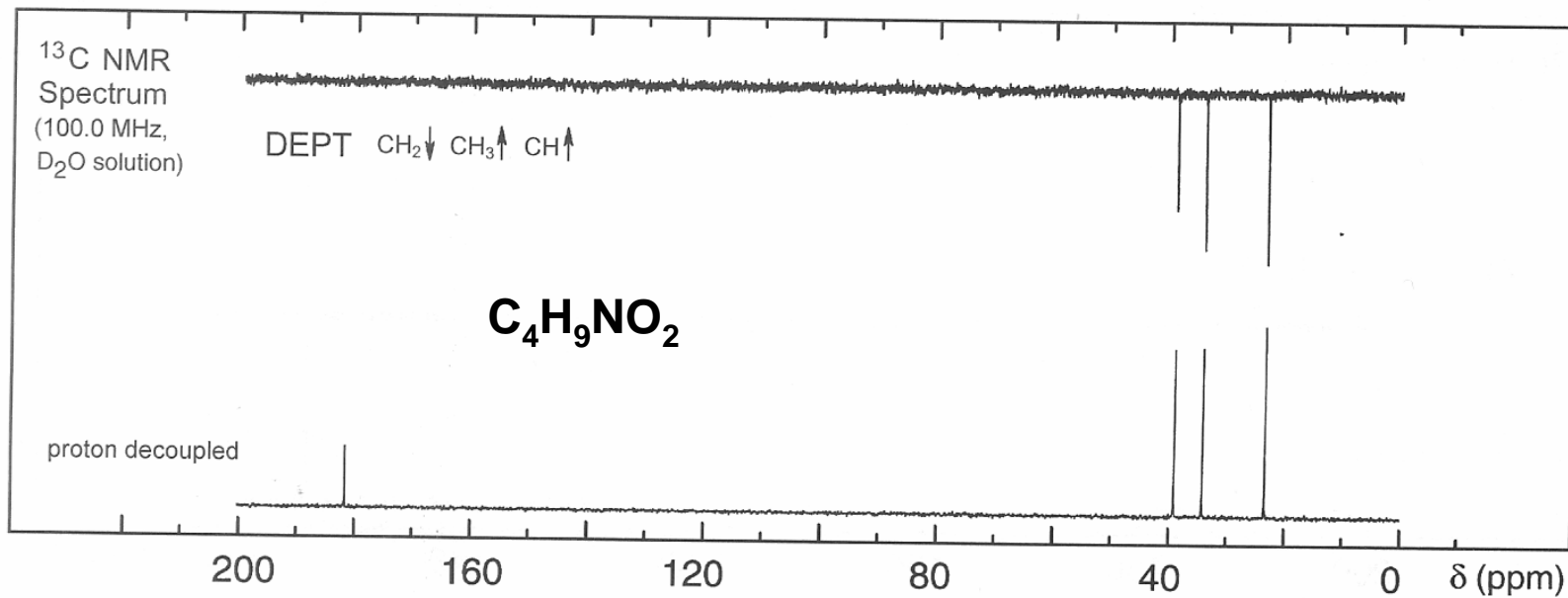
expansions

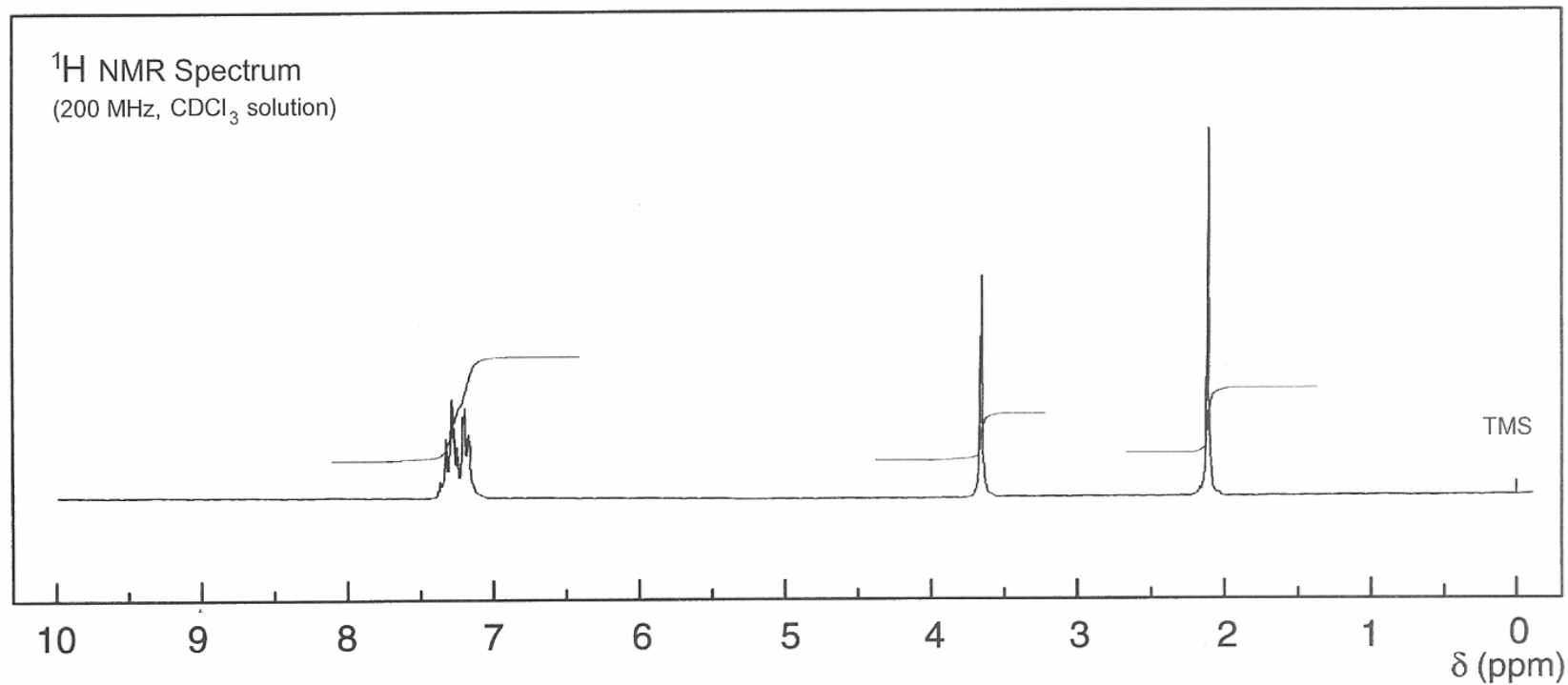
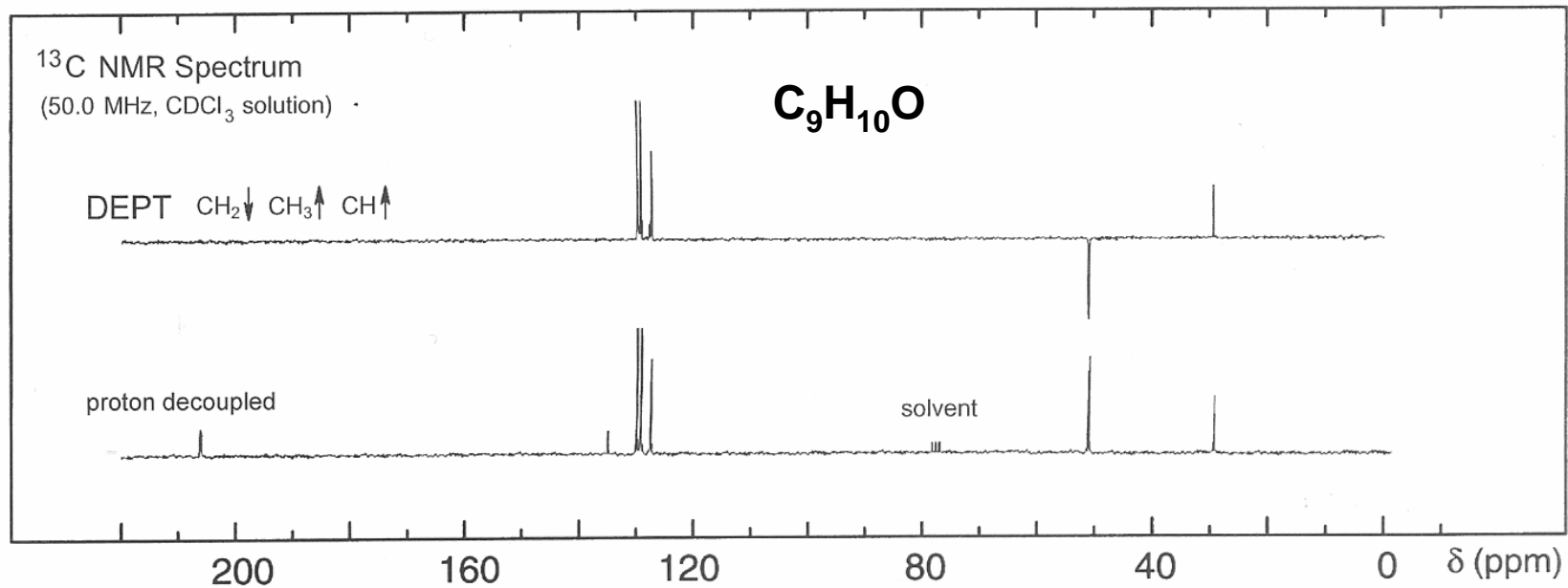


H_2O and HOD
in solvent

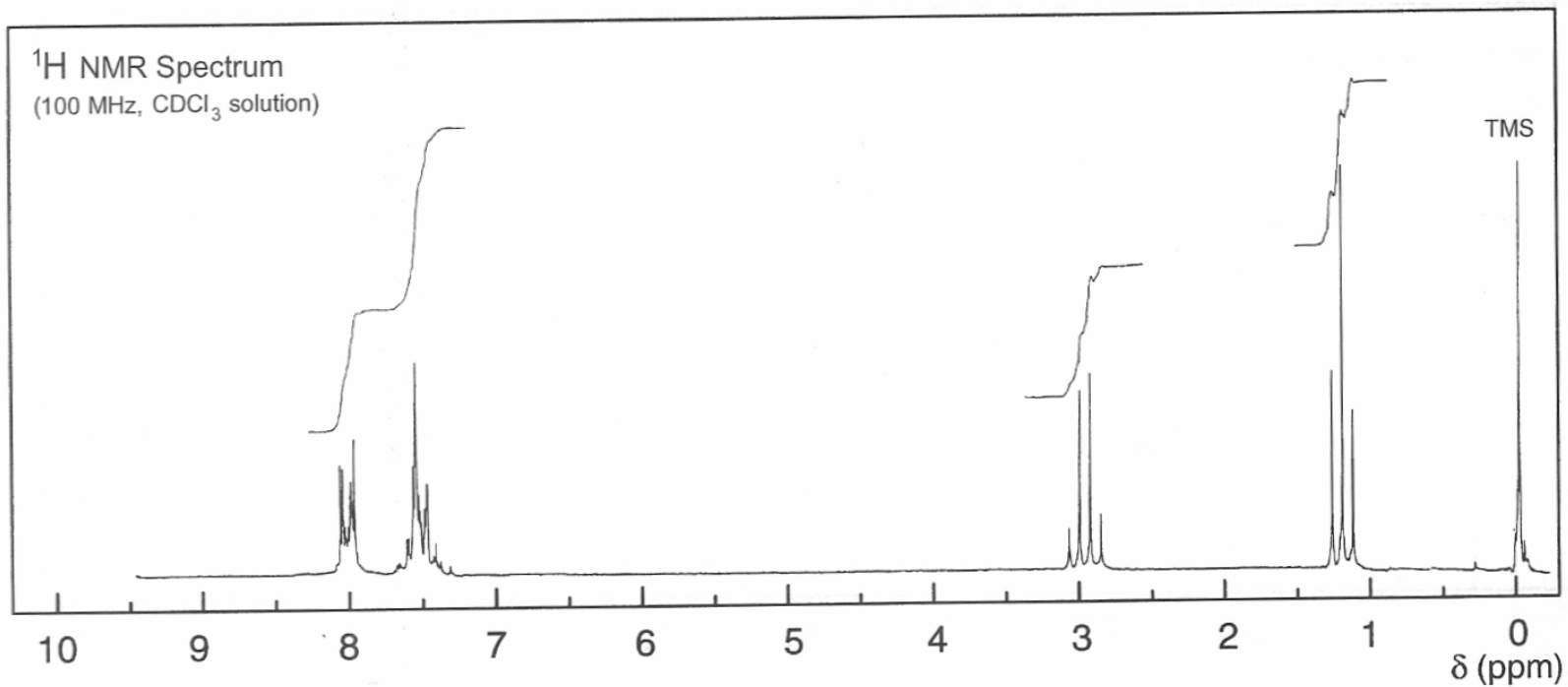
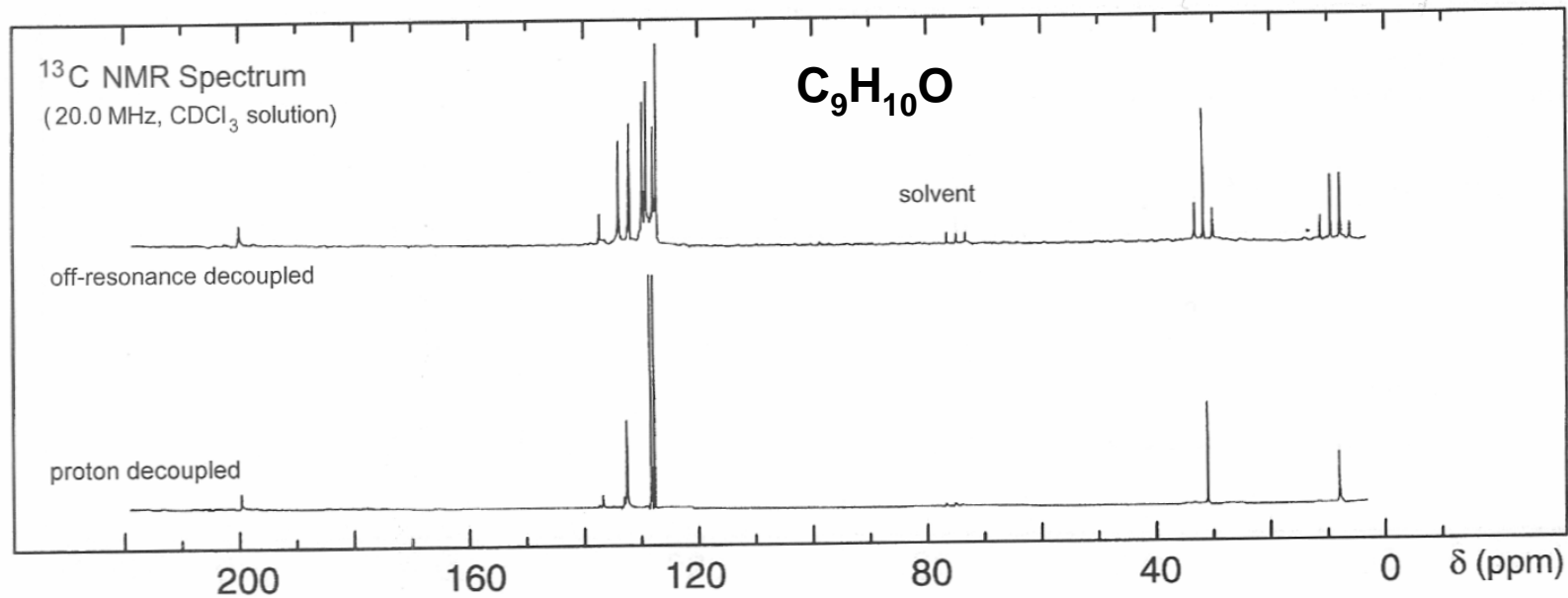


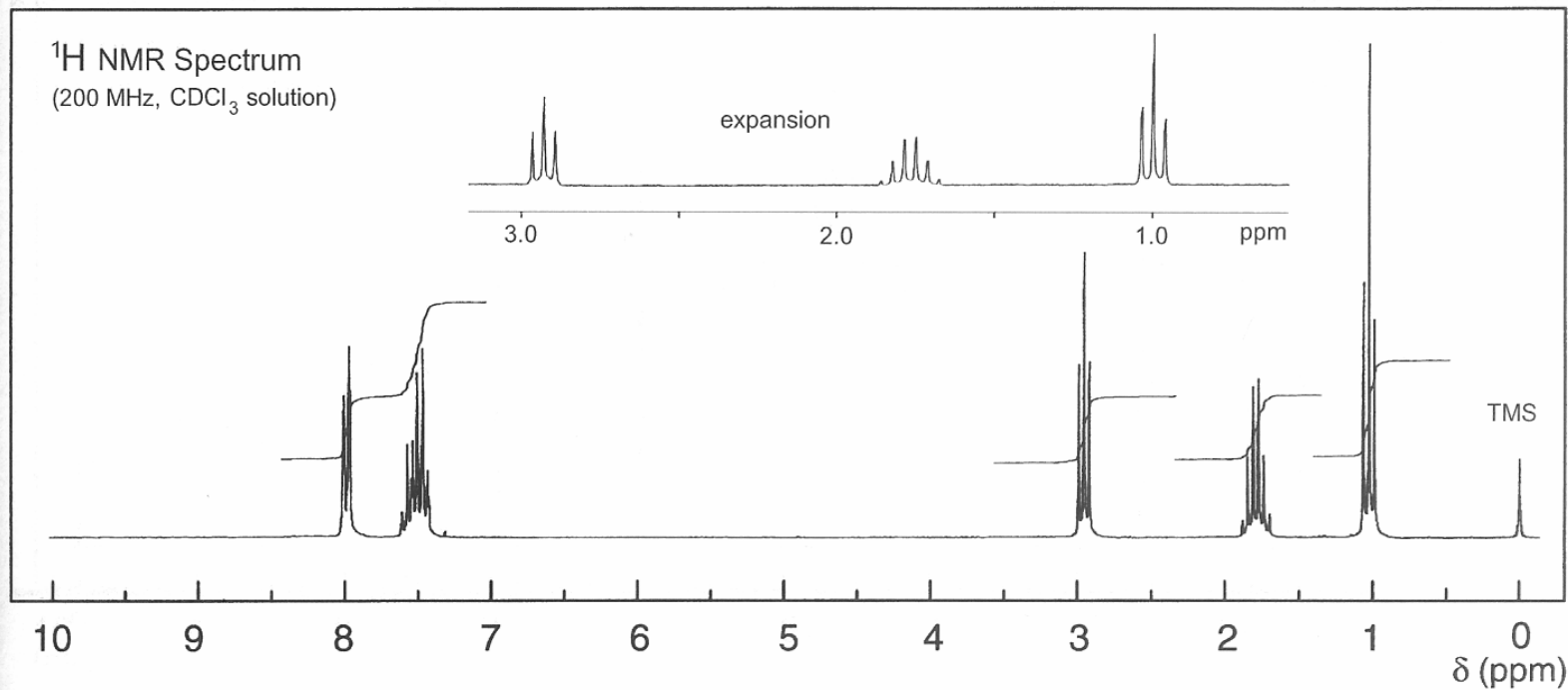
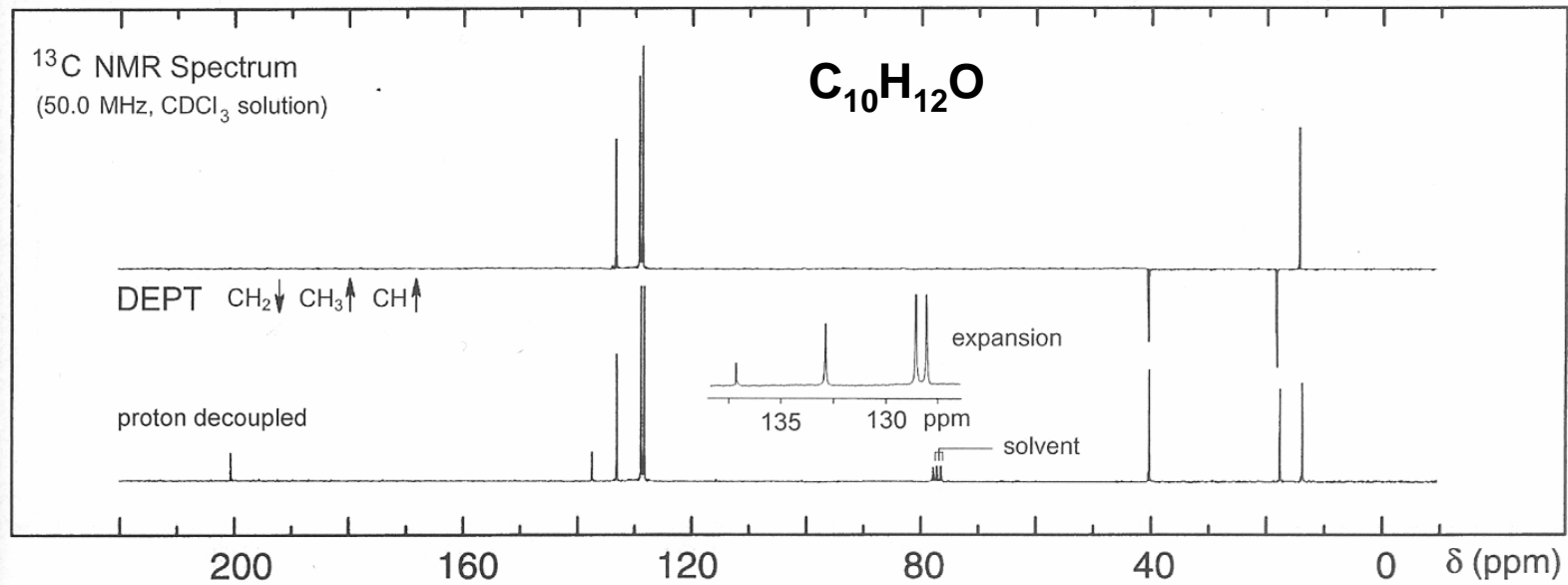
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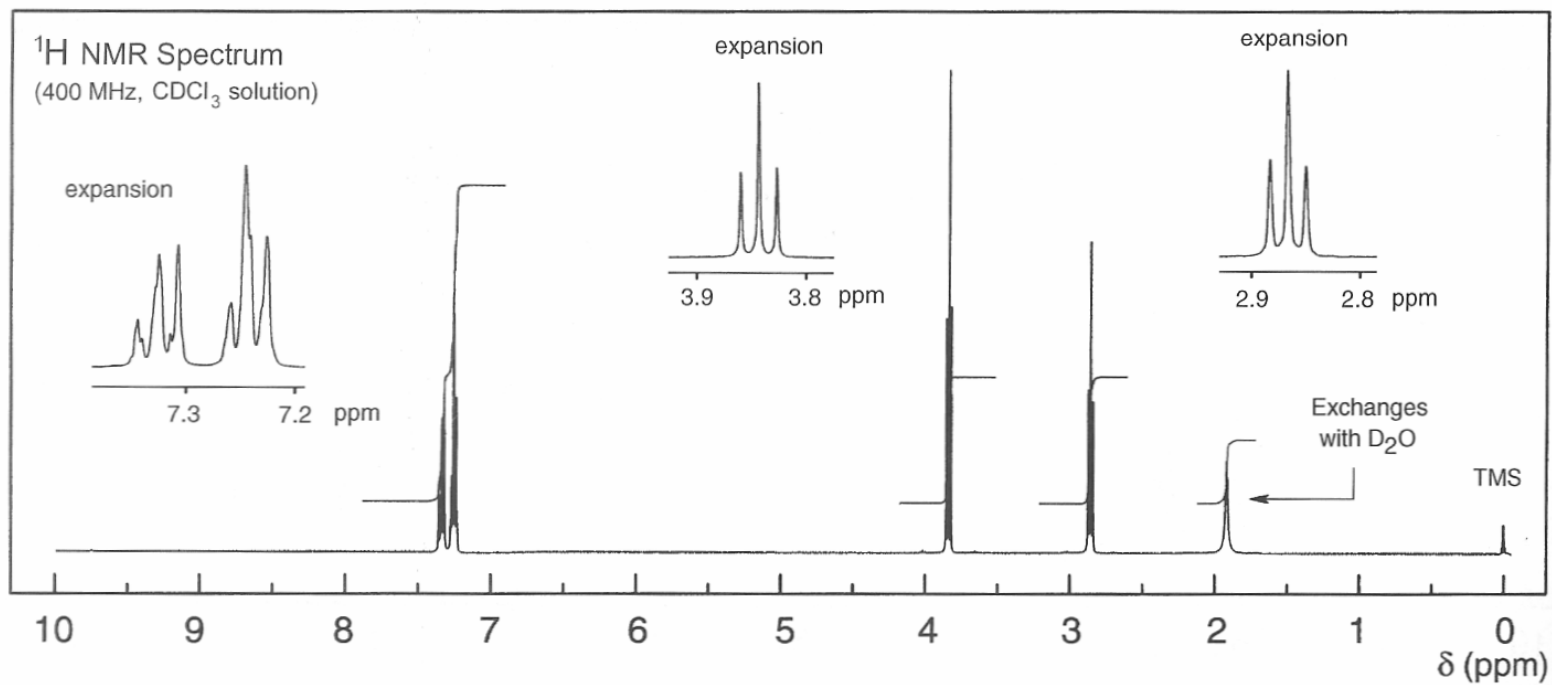
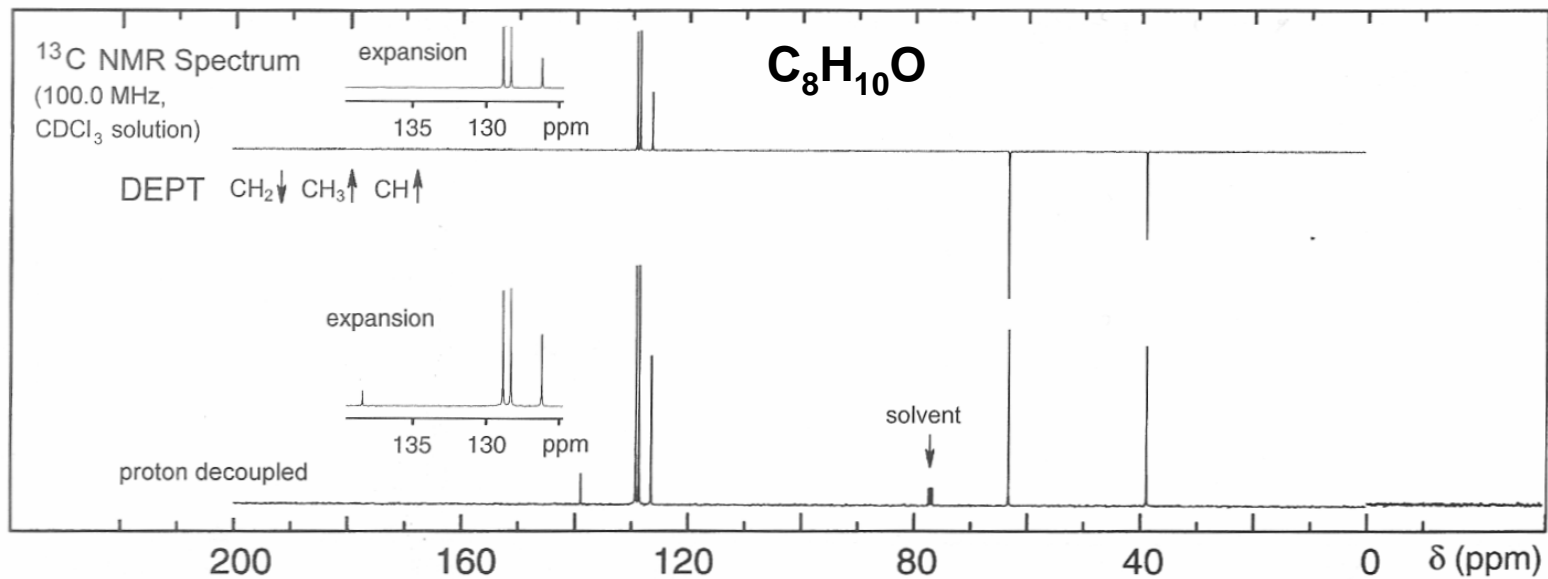


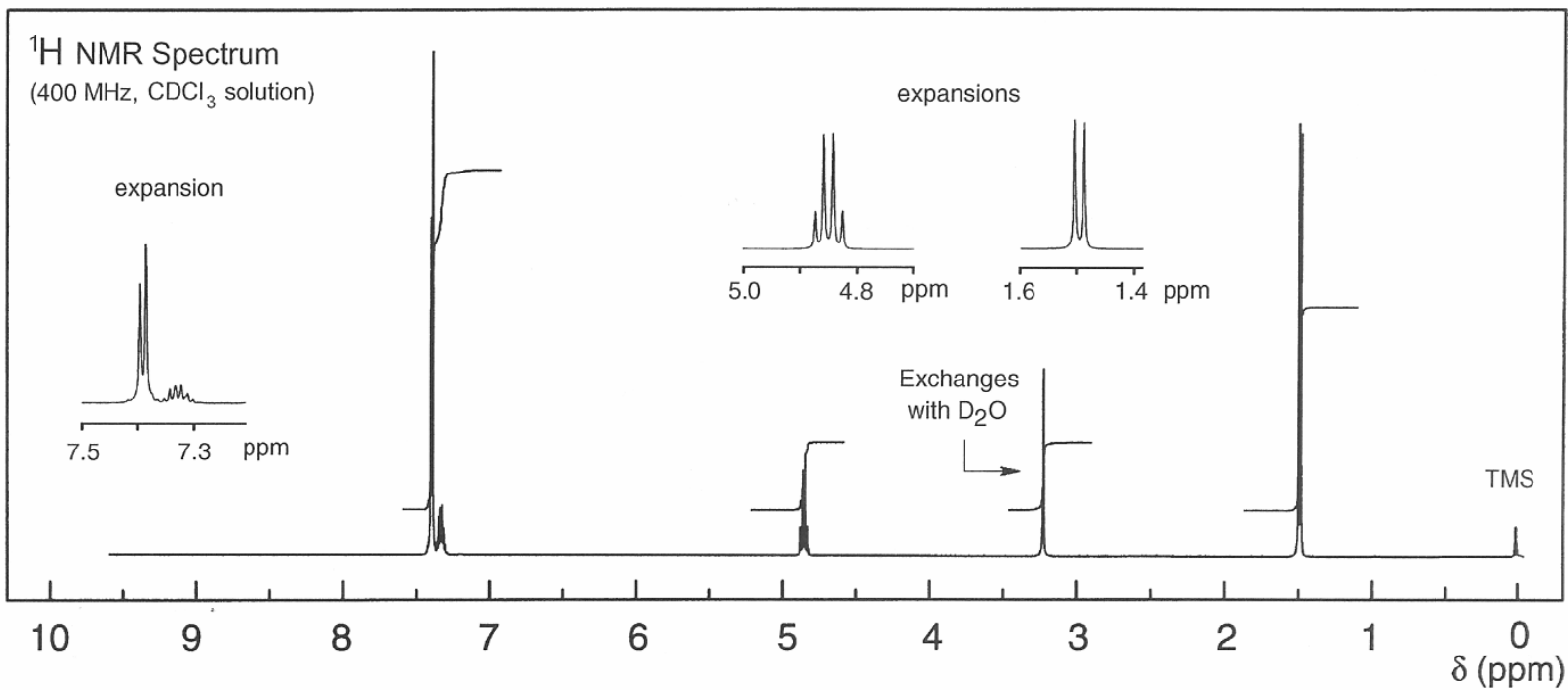
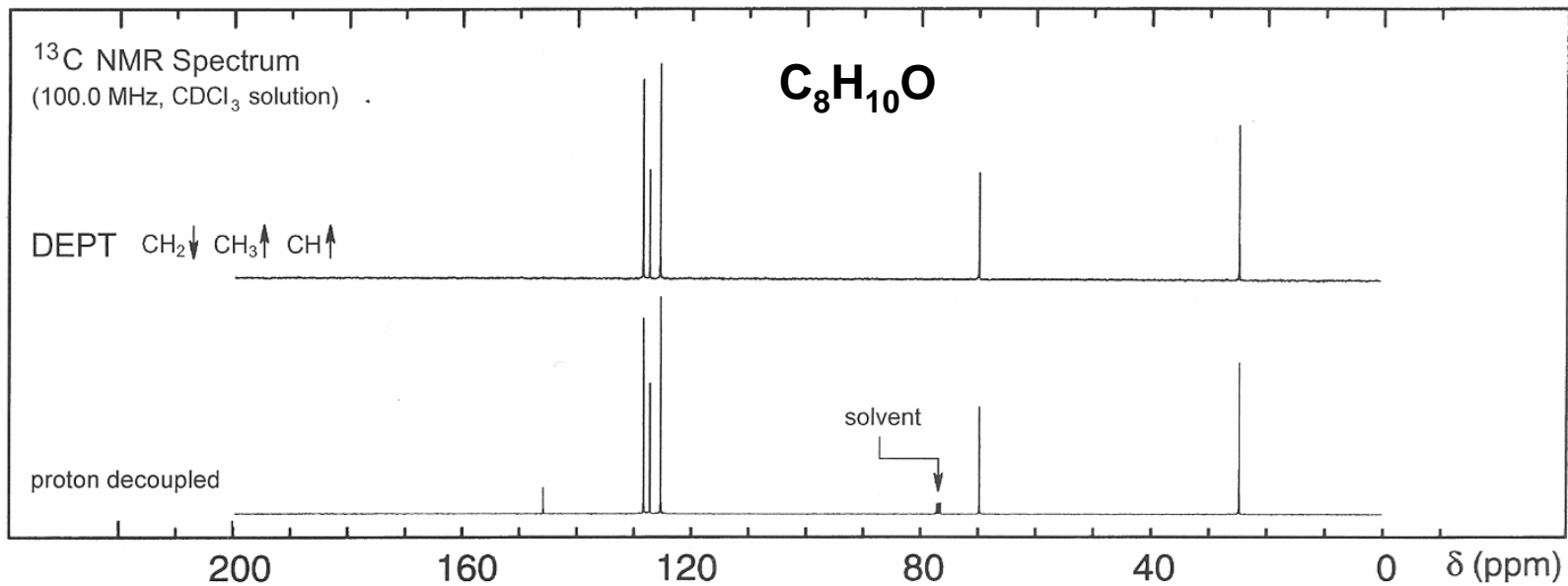


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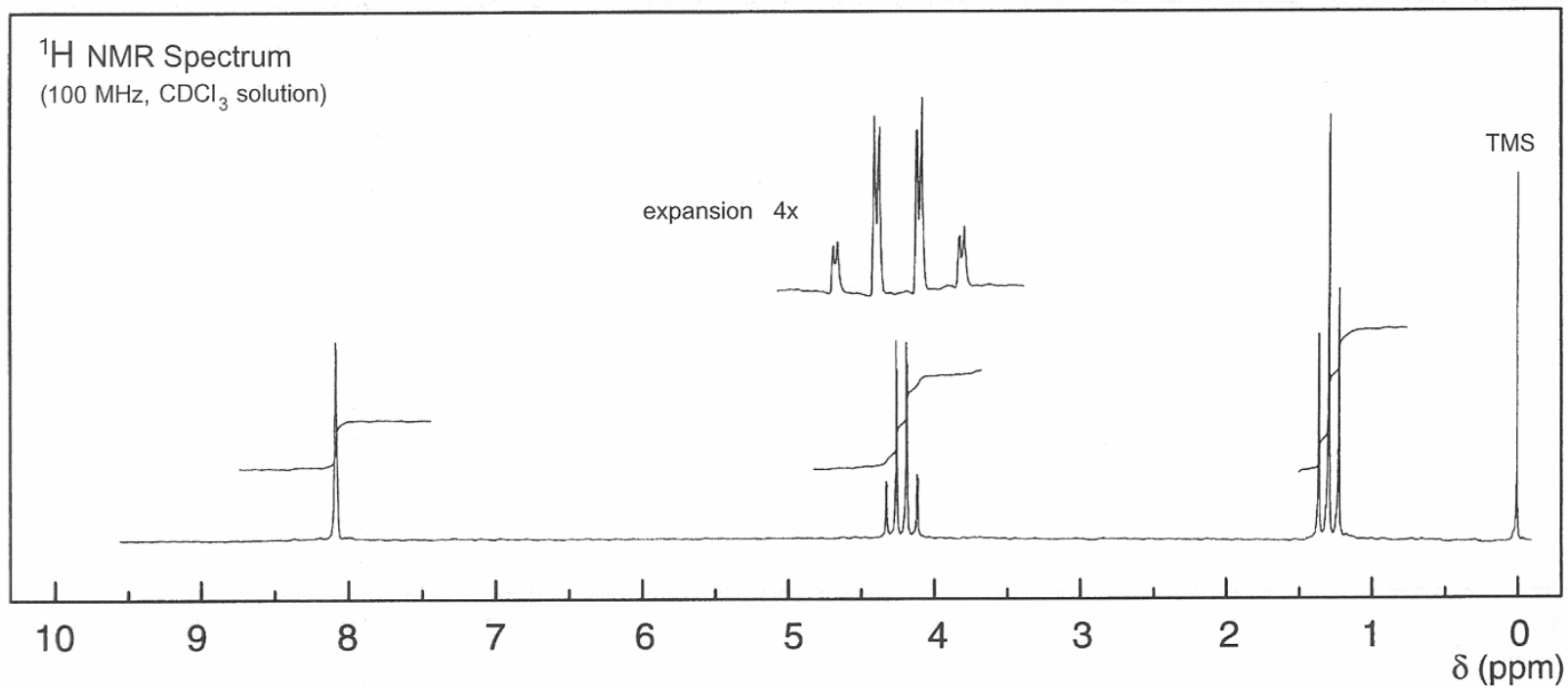
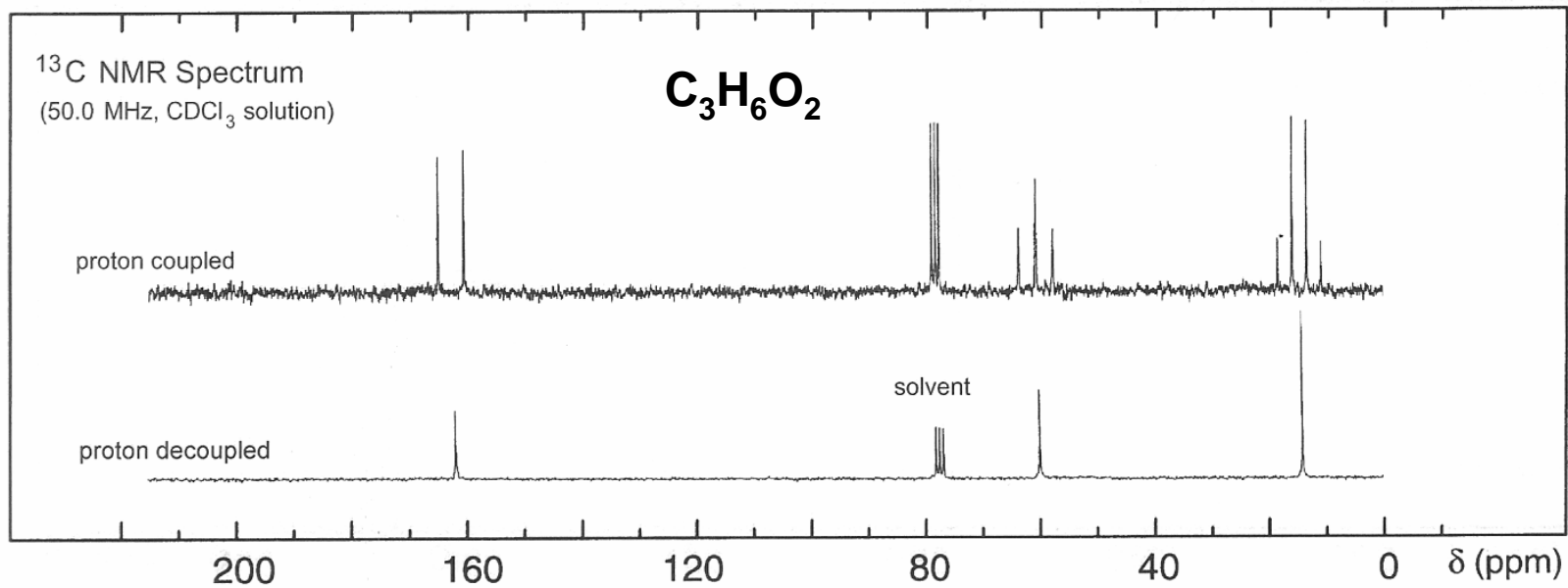




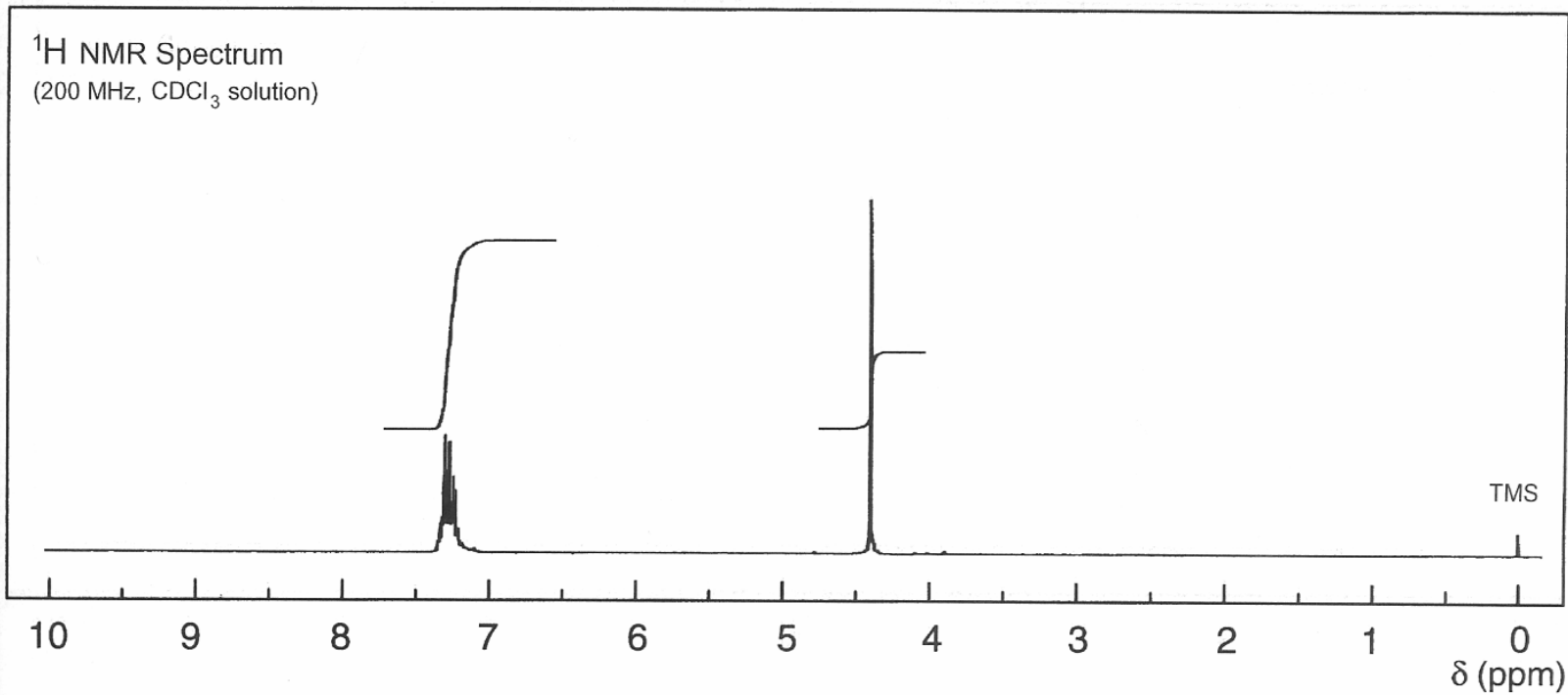
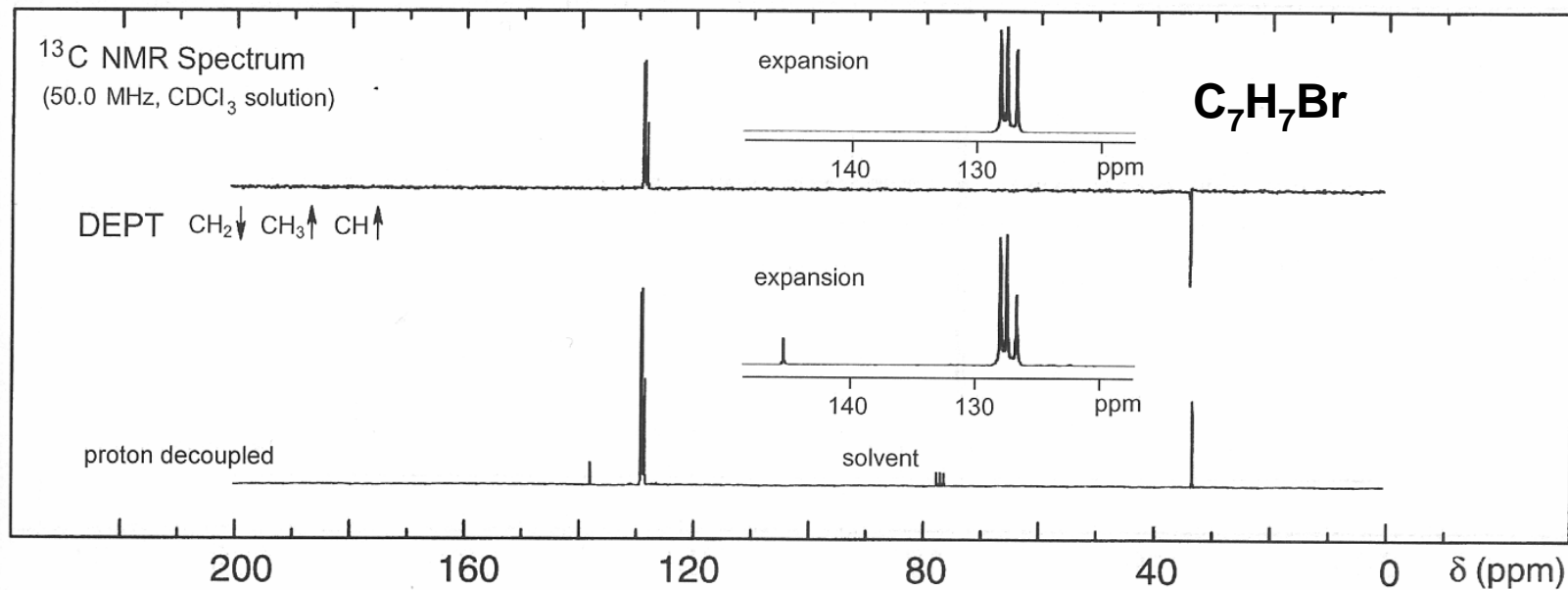




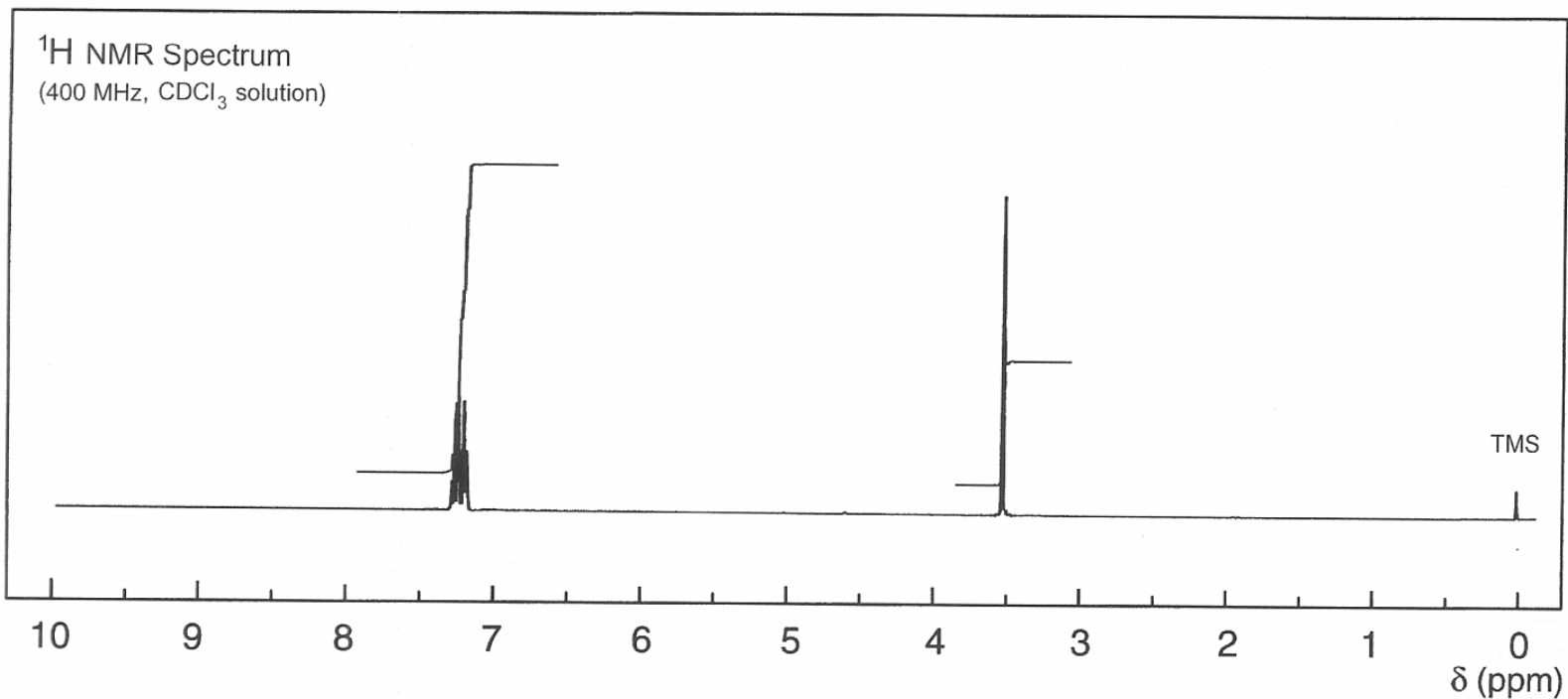
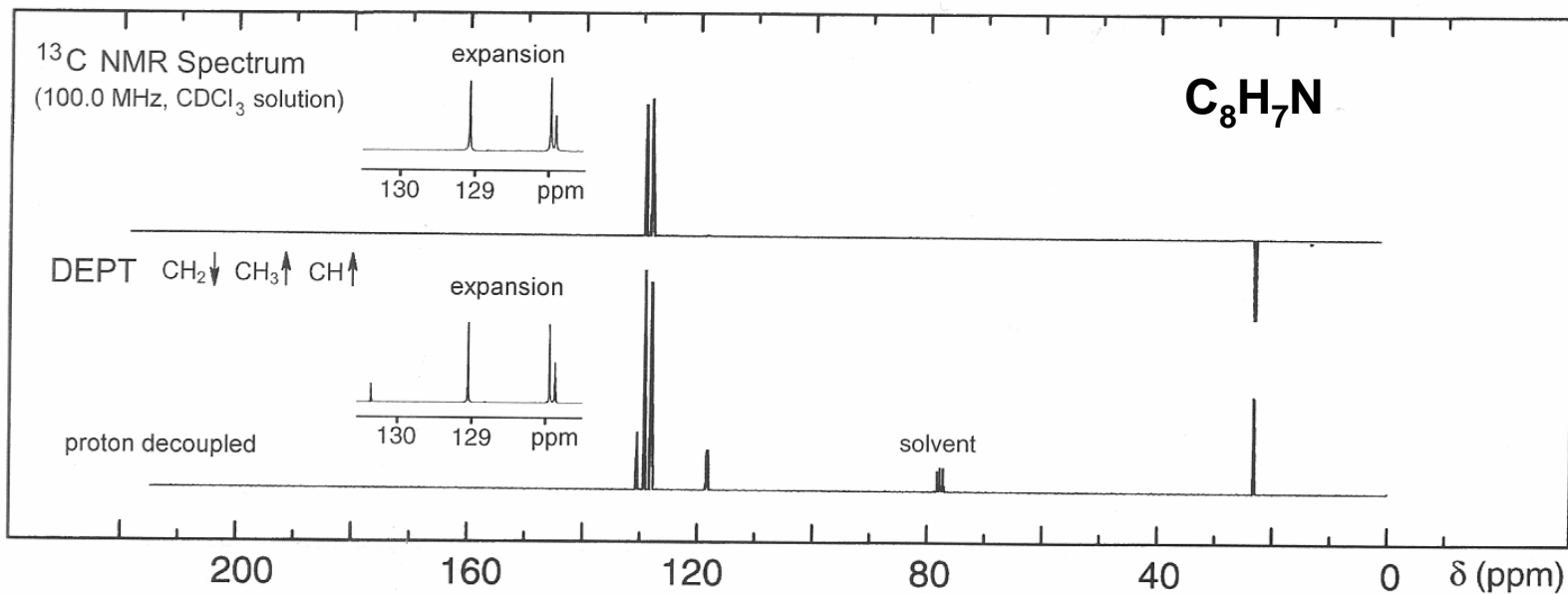
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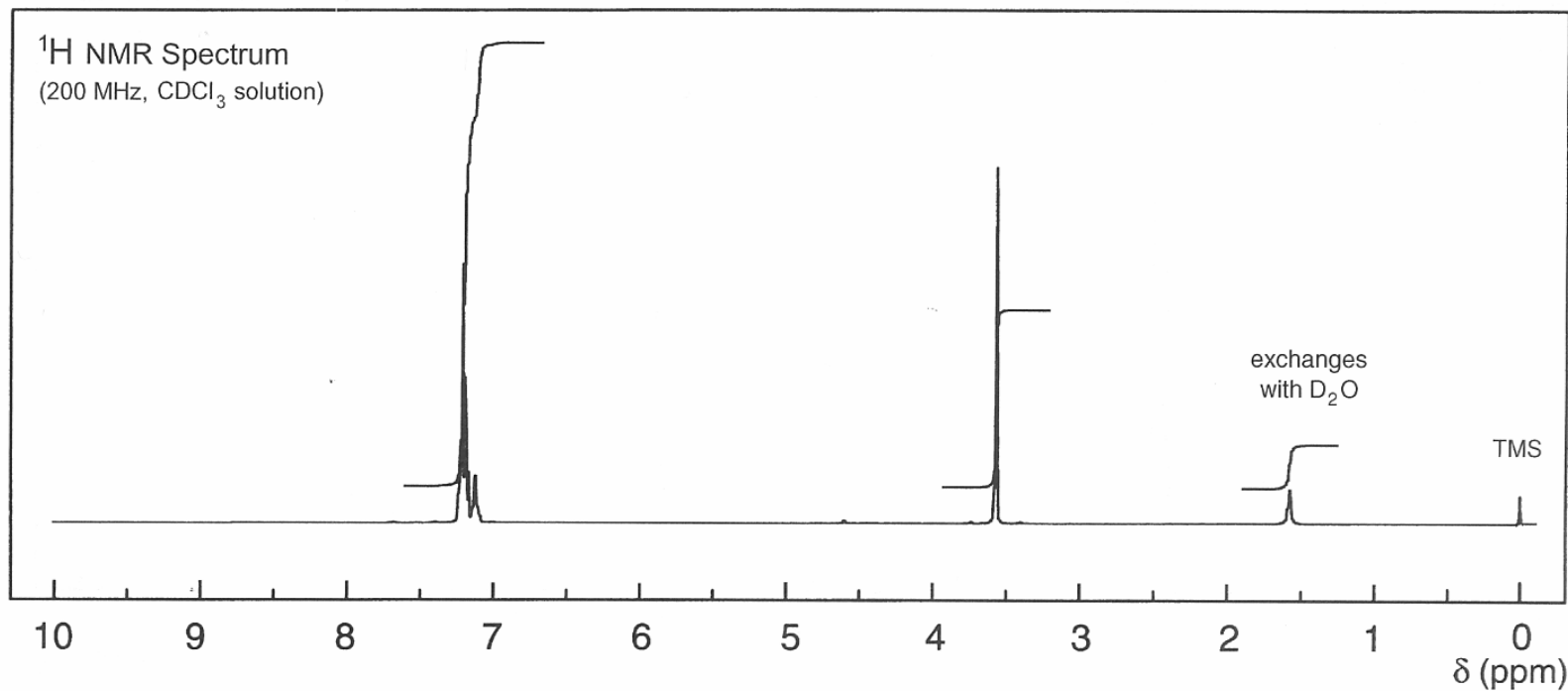
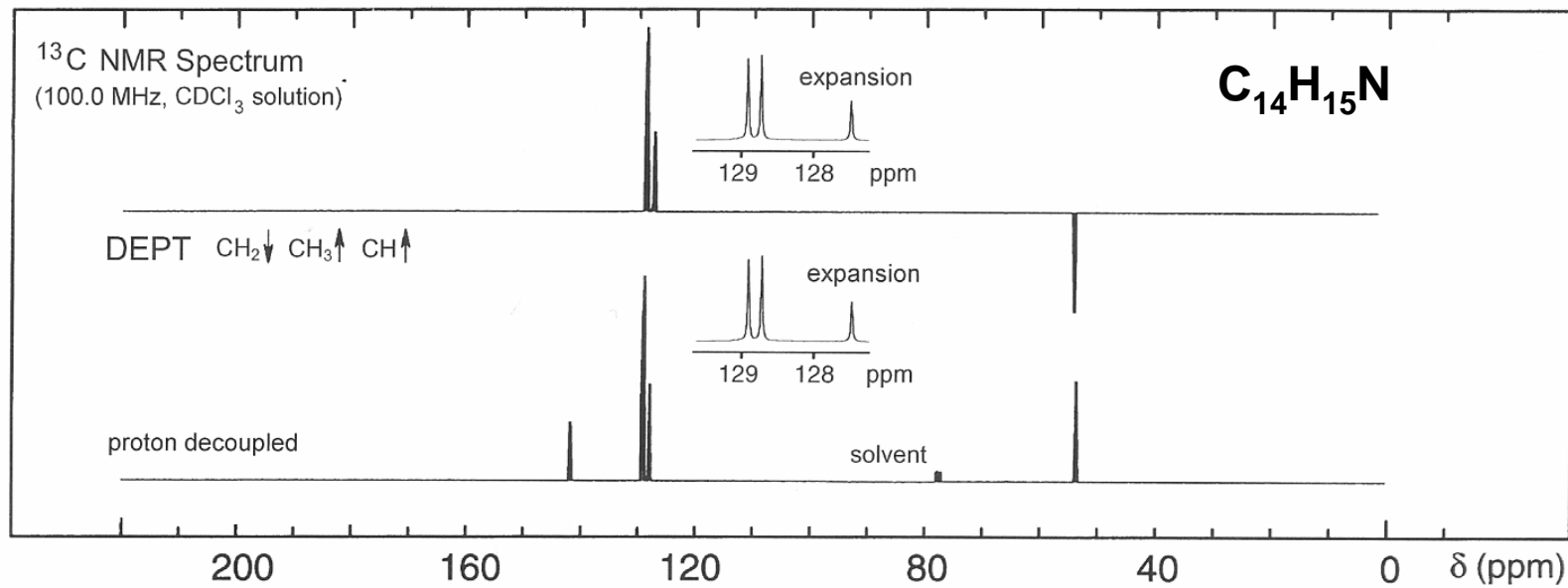
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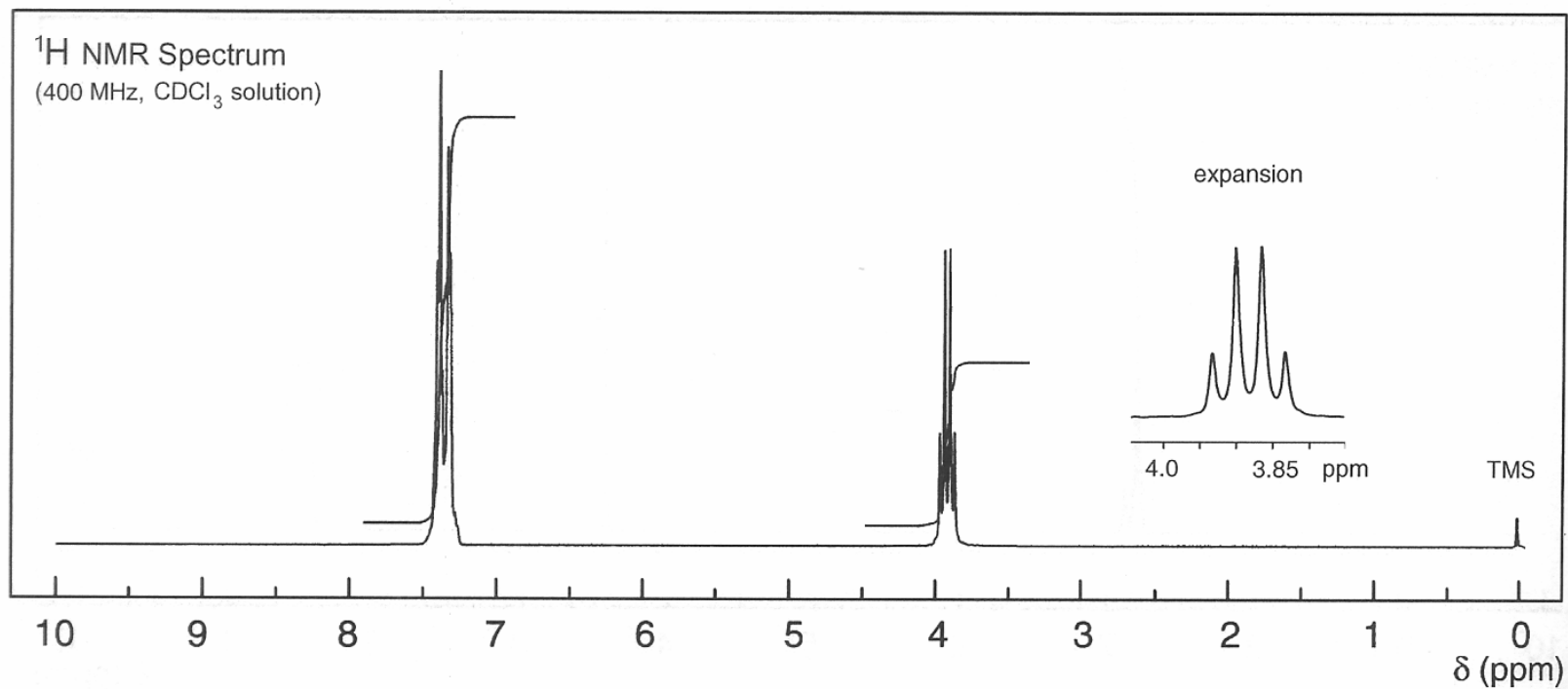
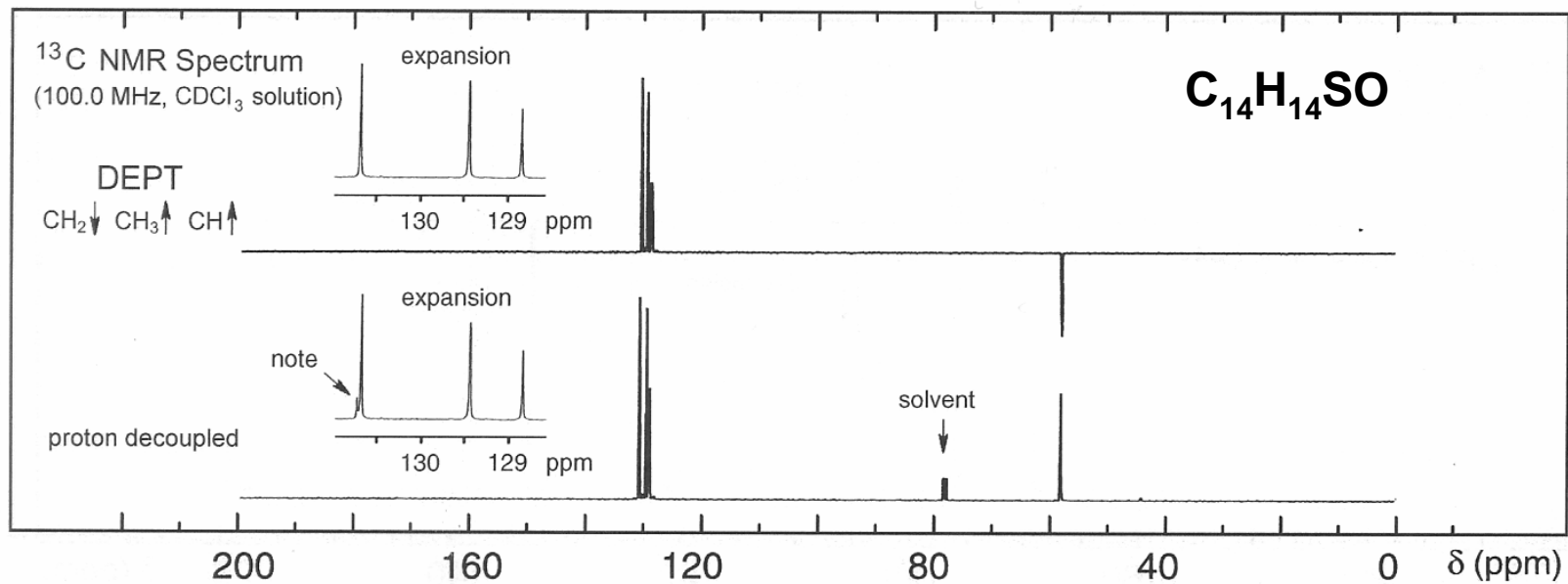
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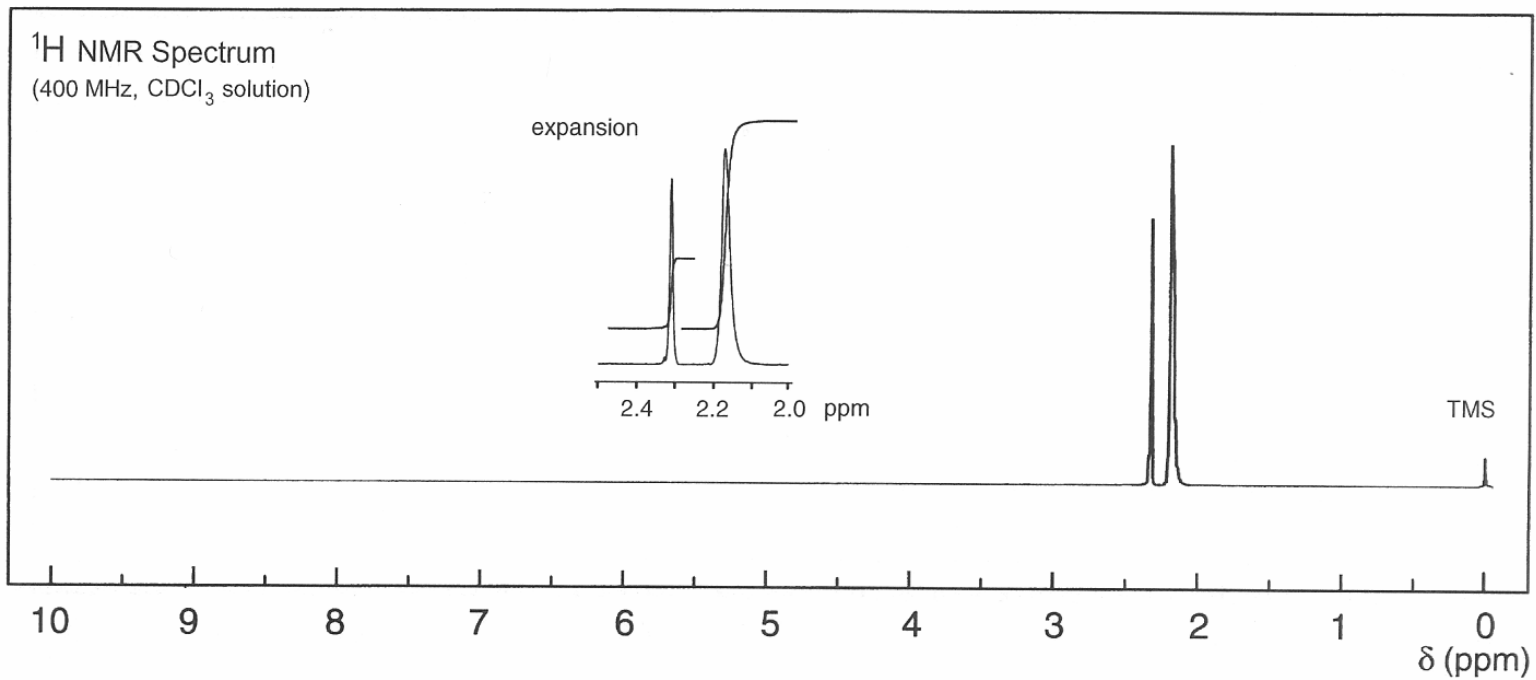
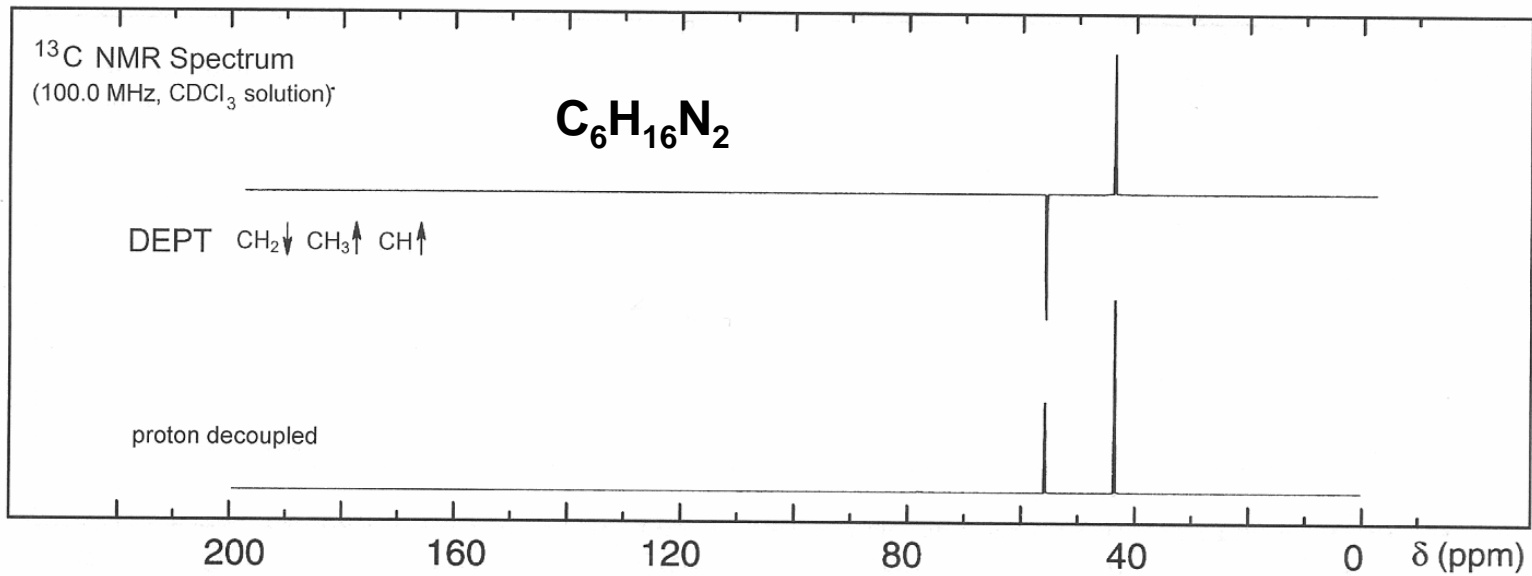
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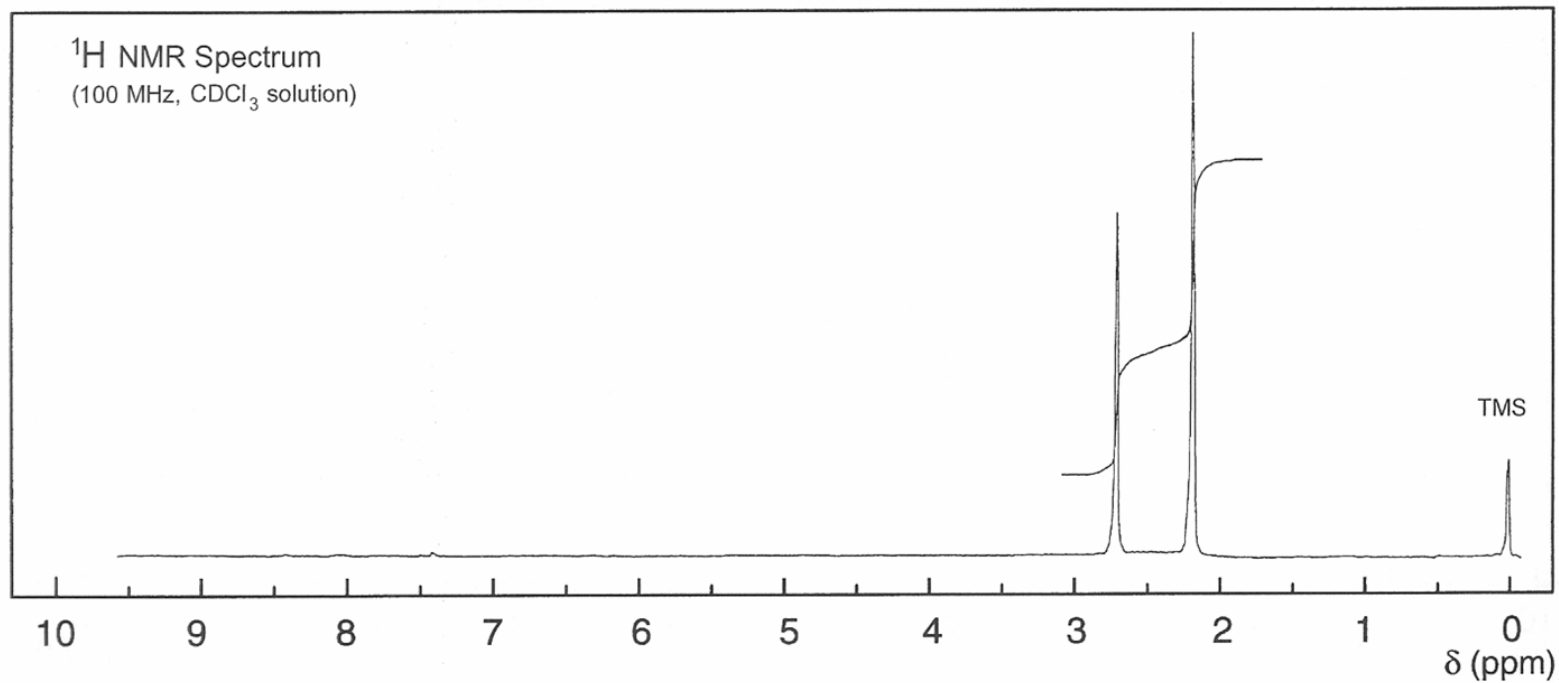
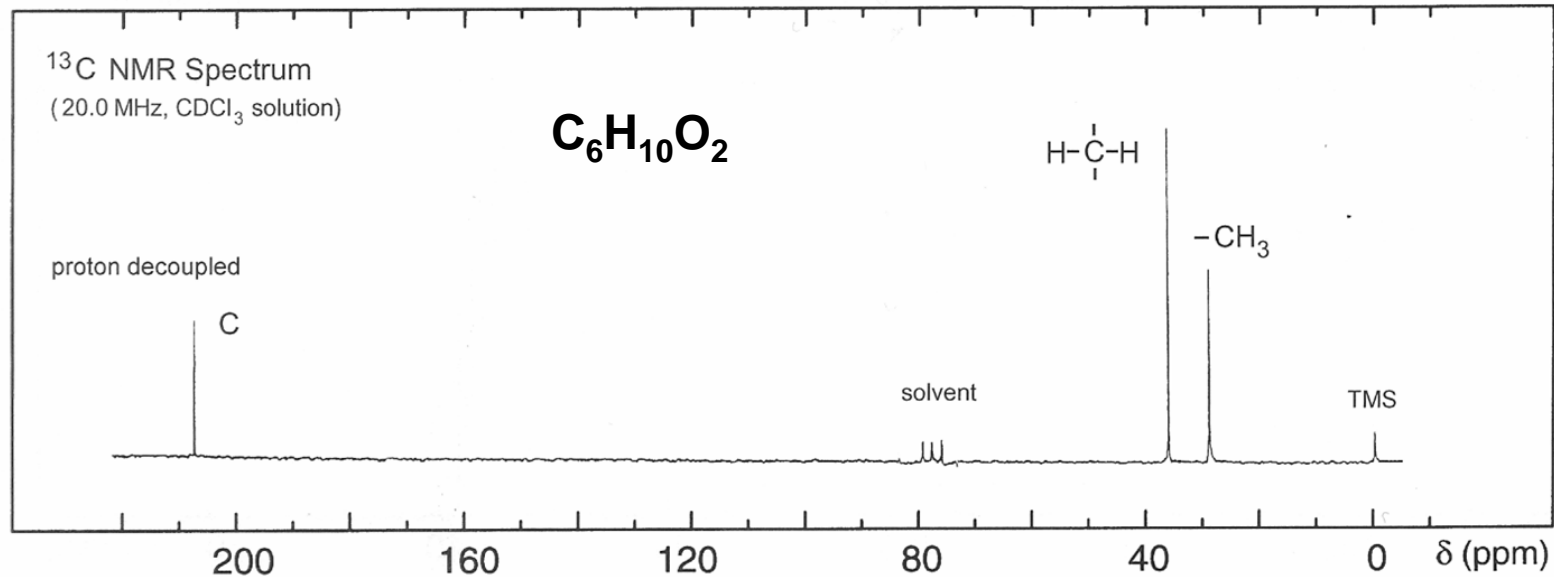
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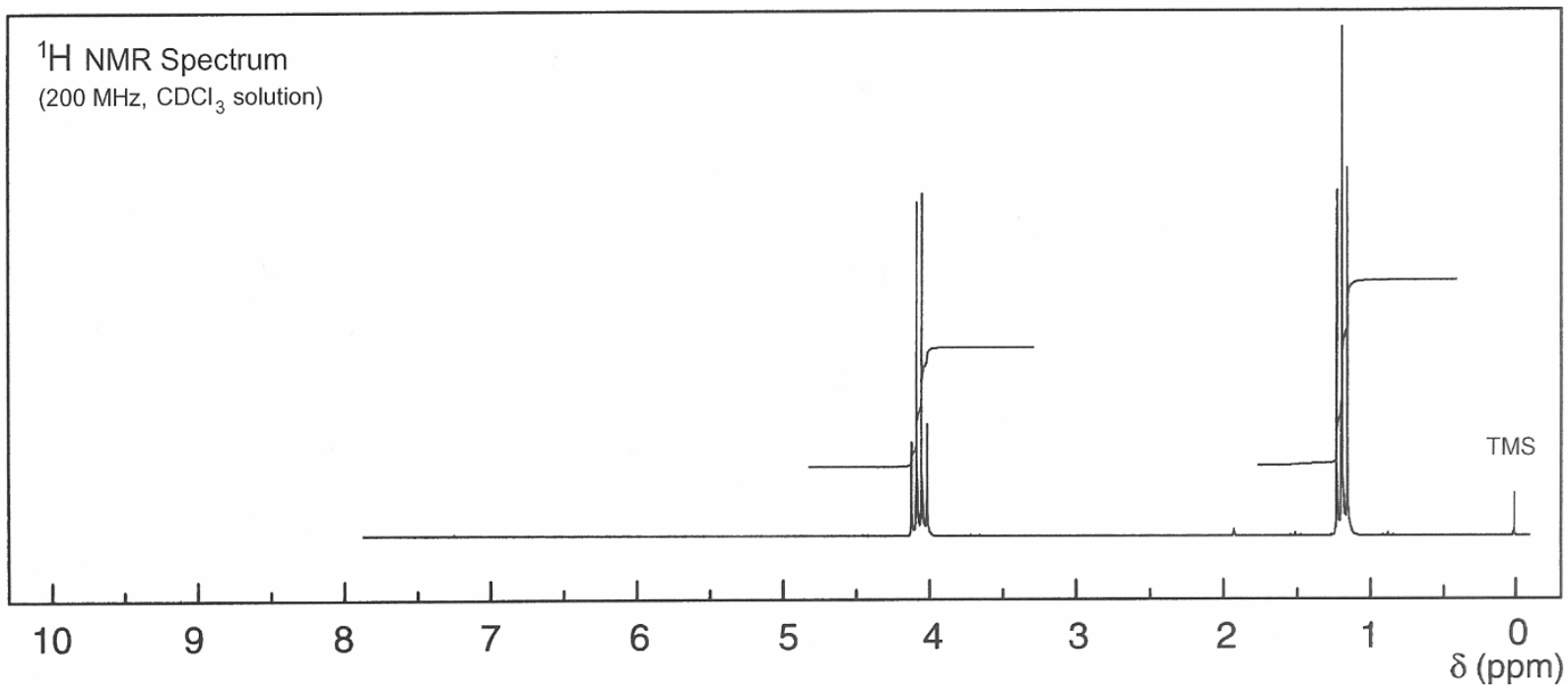
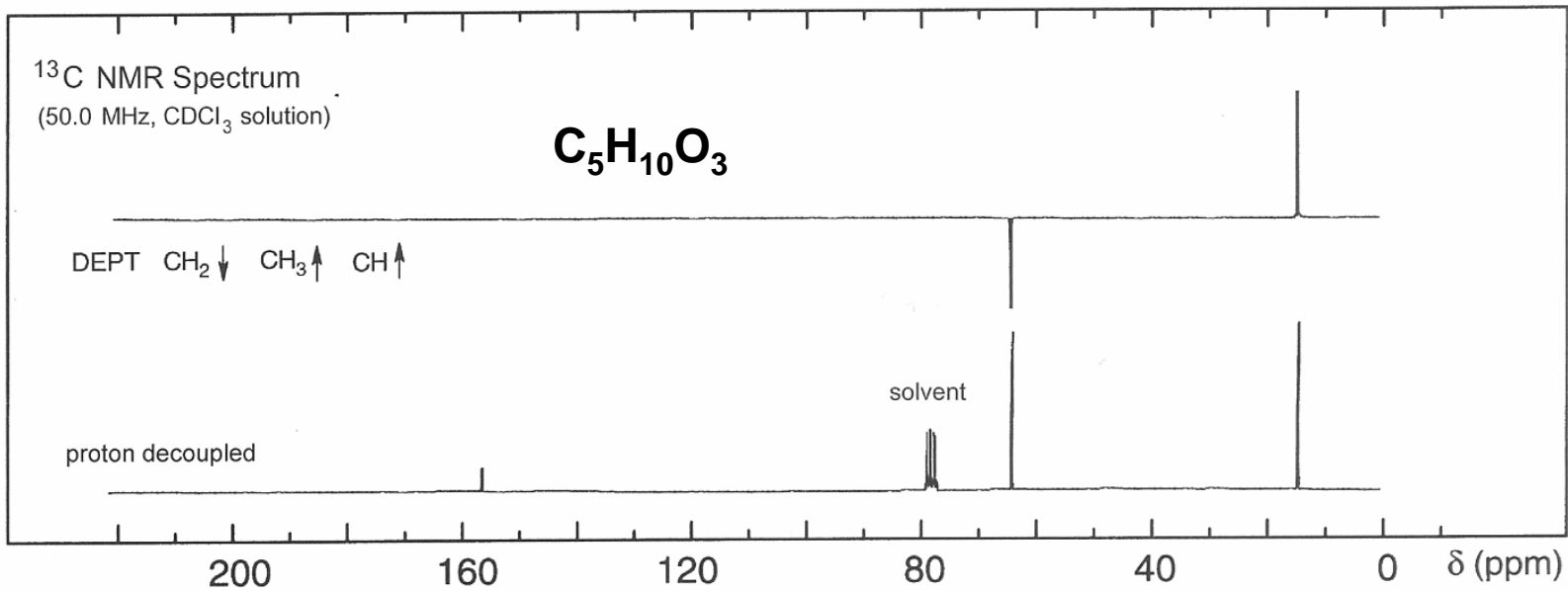


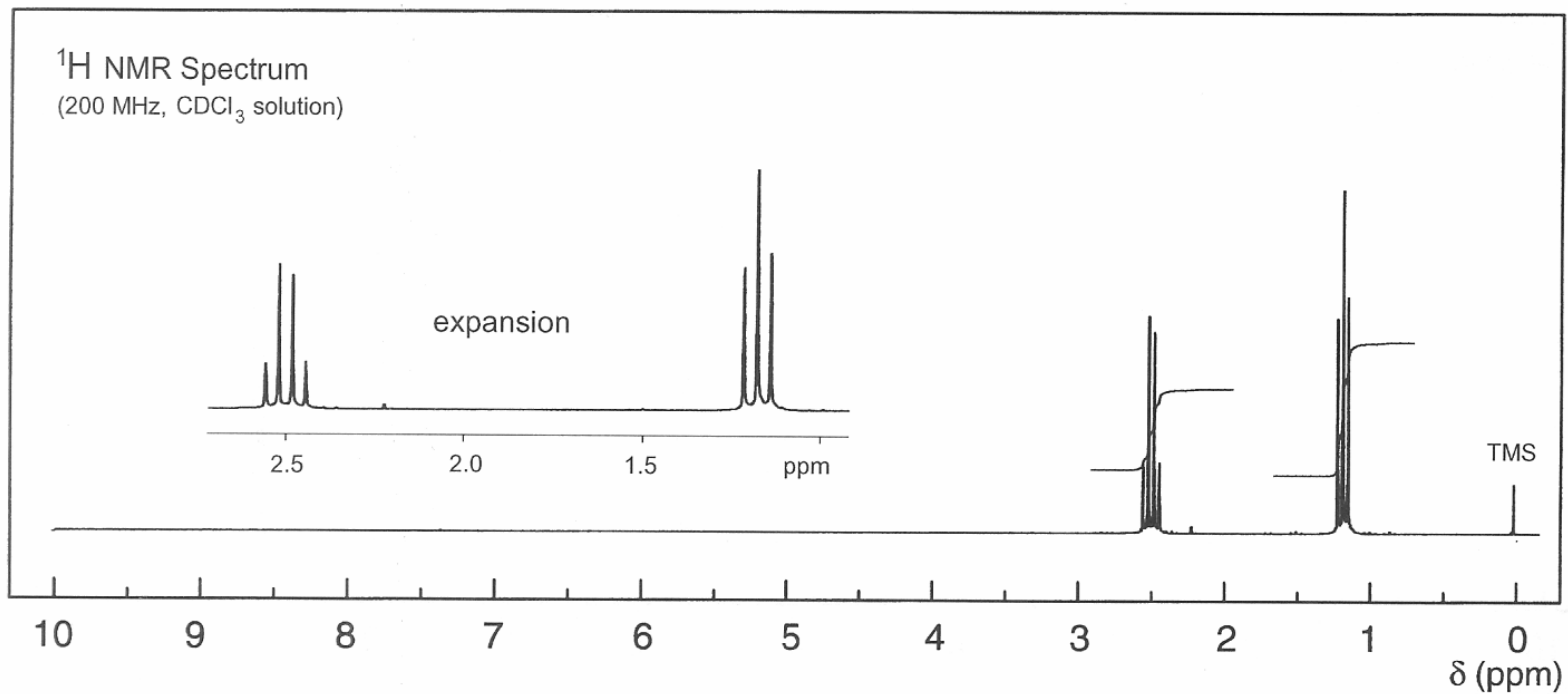
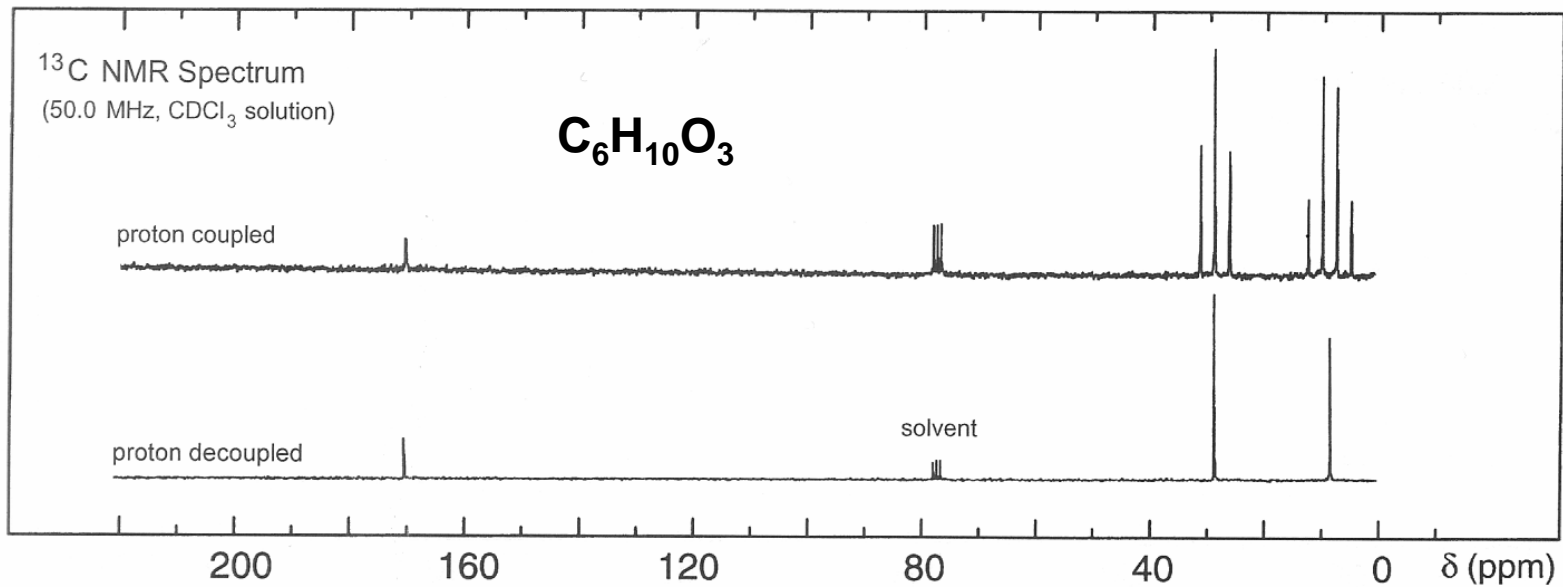
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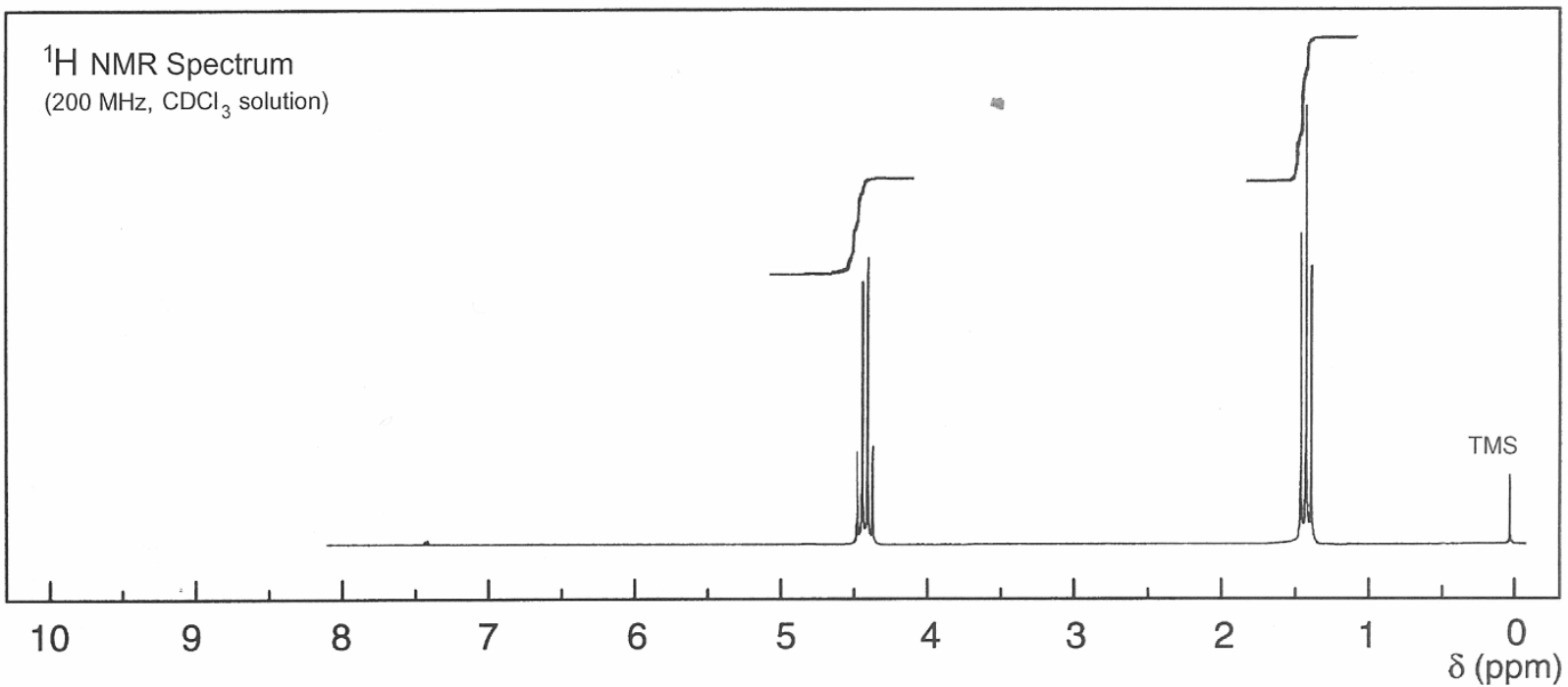
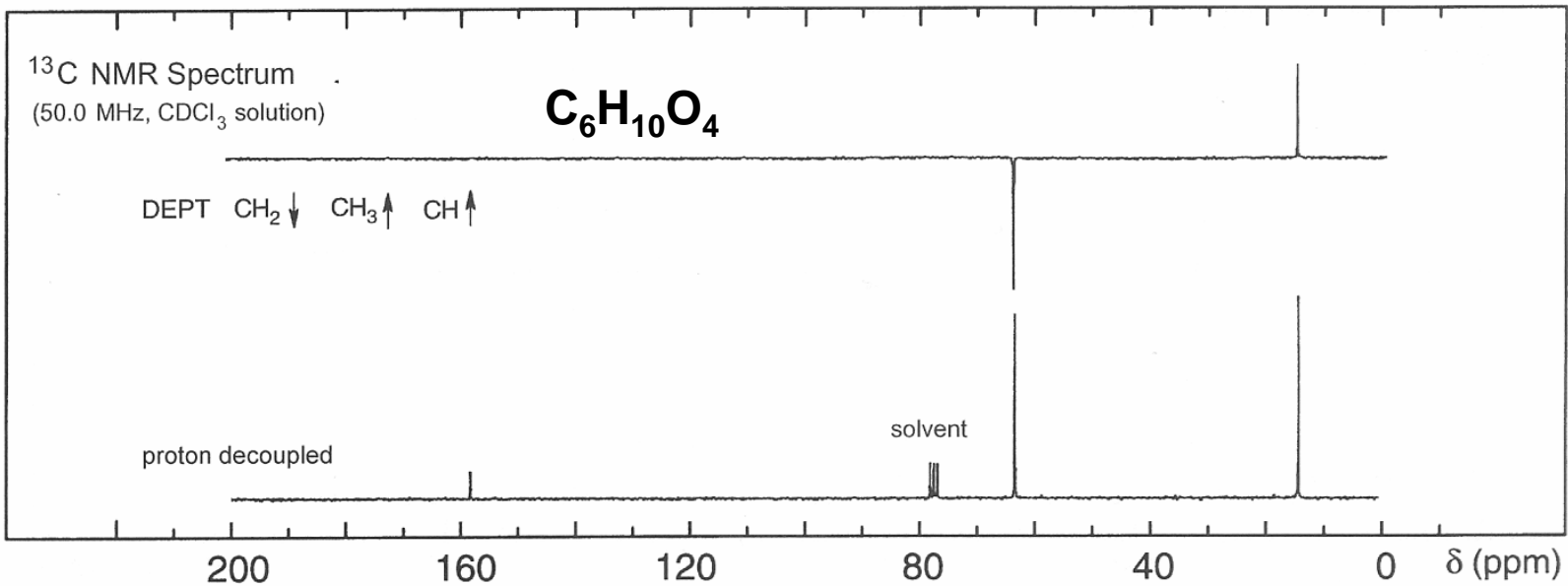
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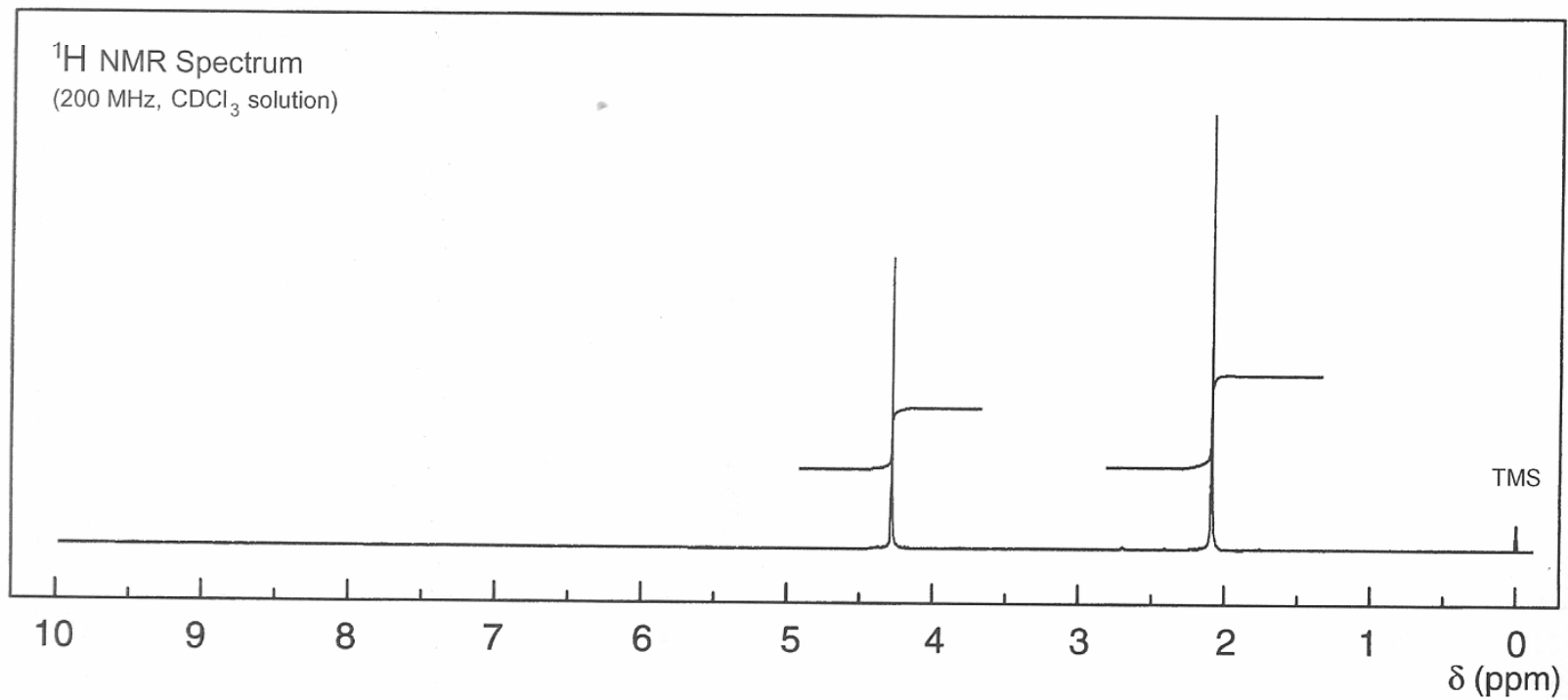
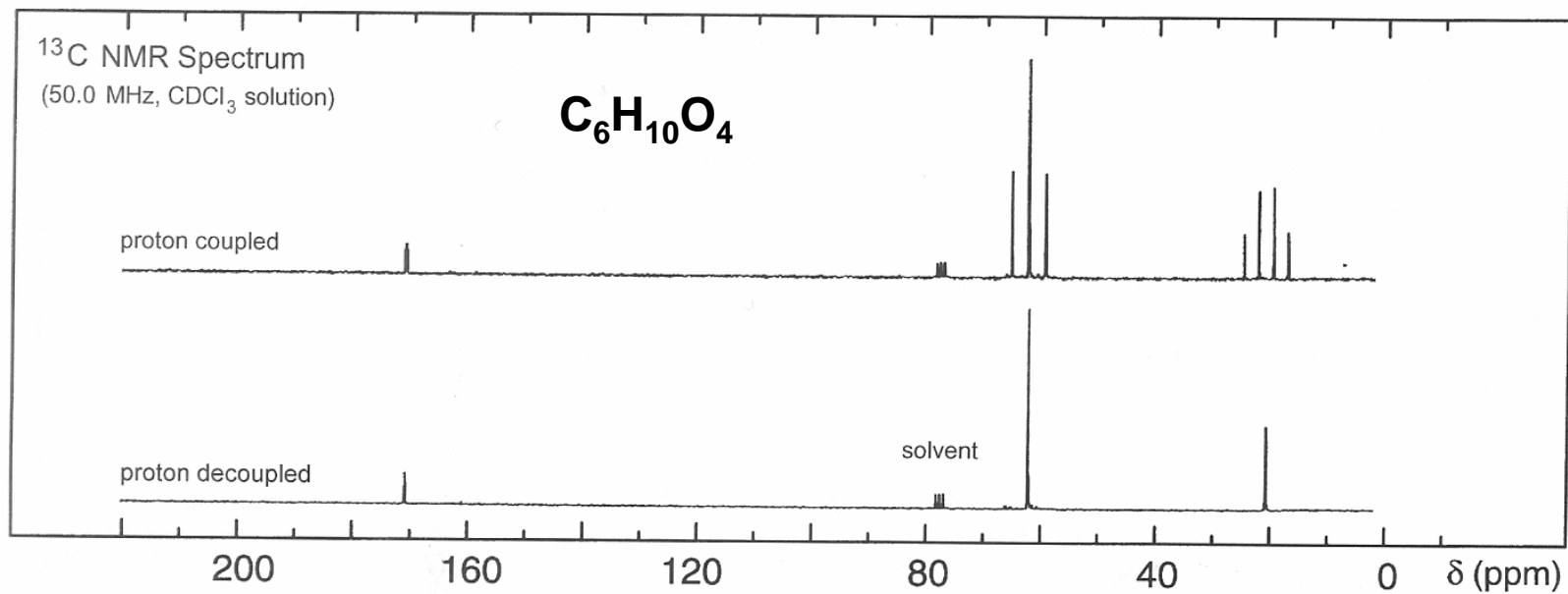


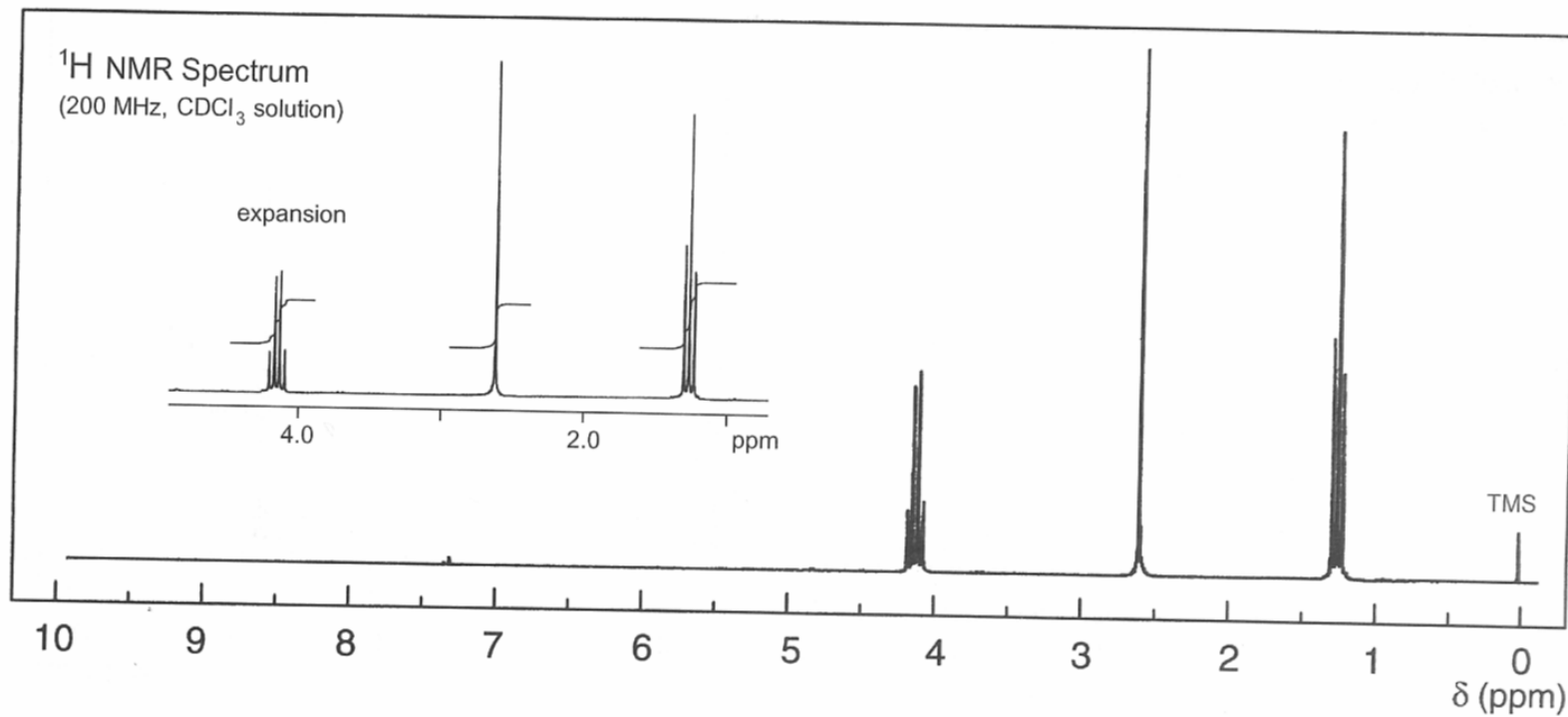
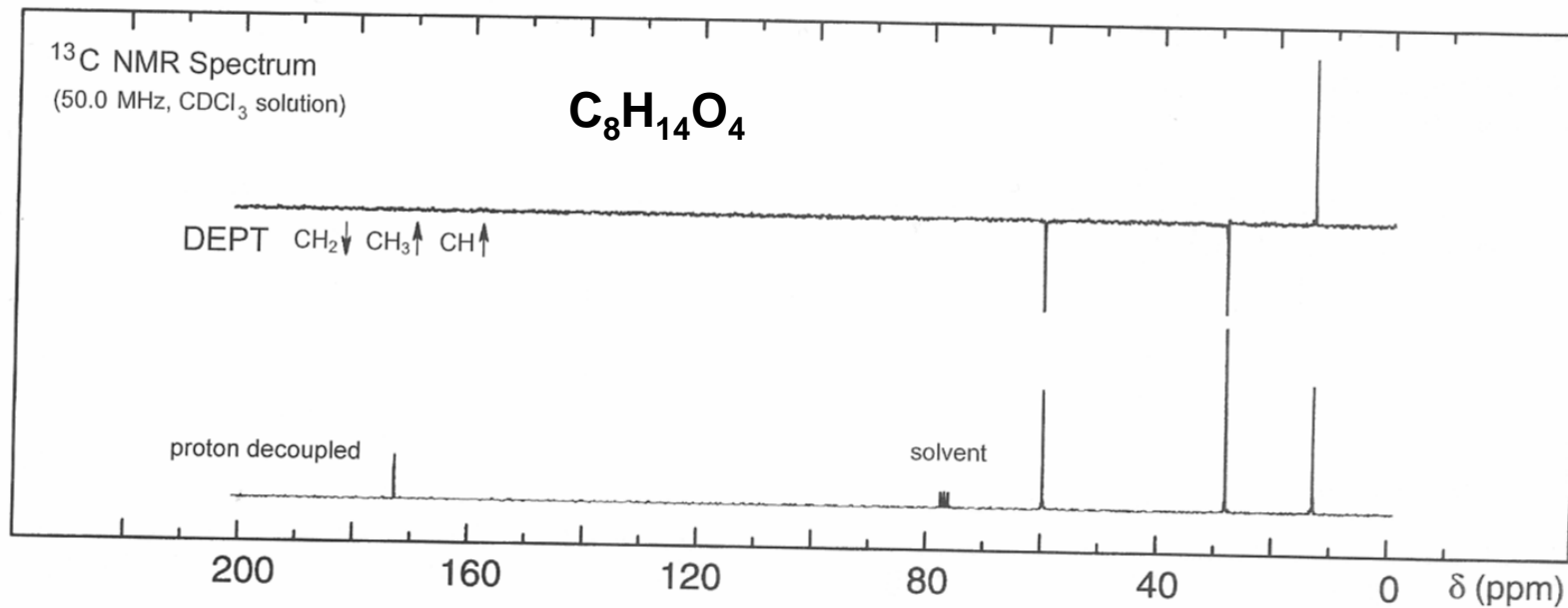




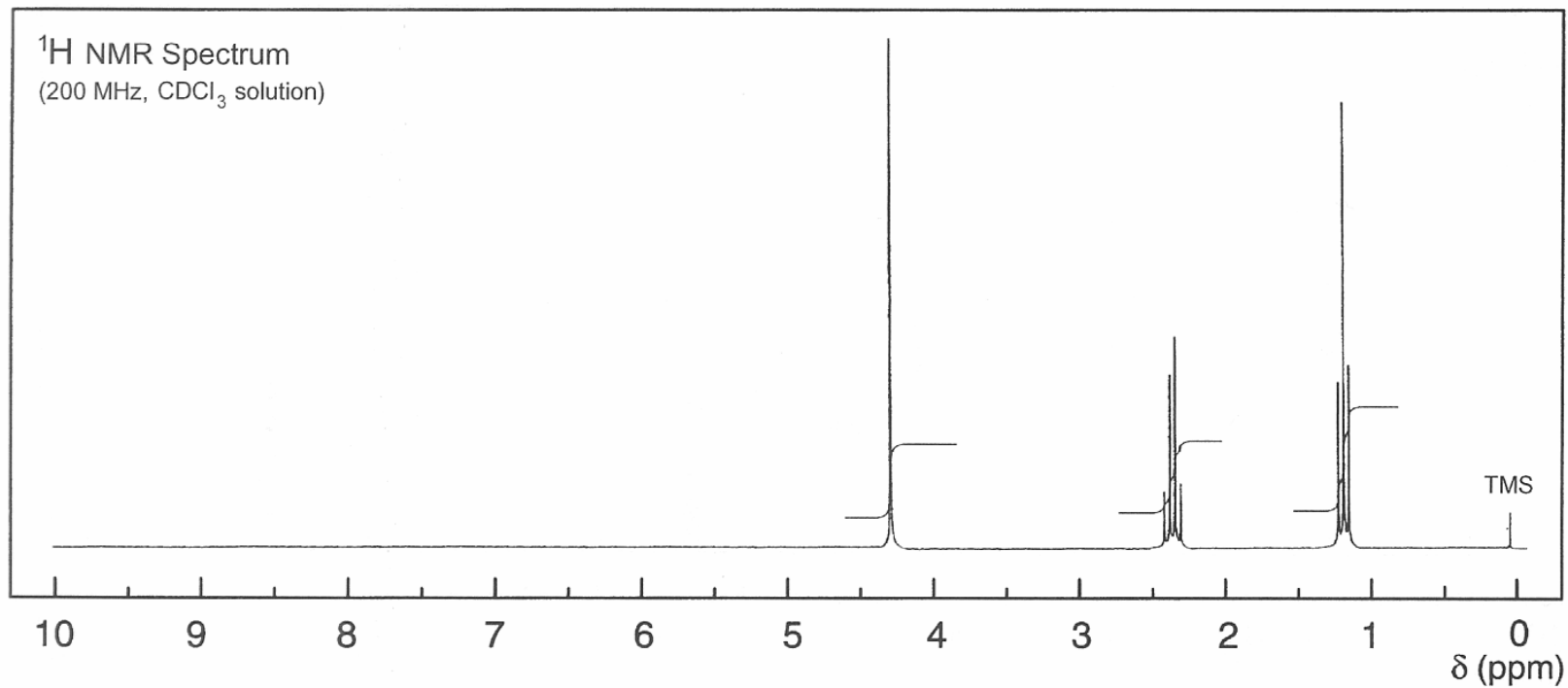
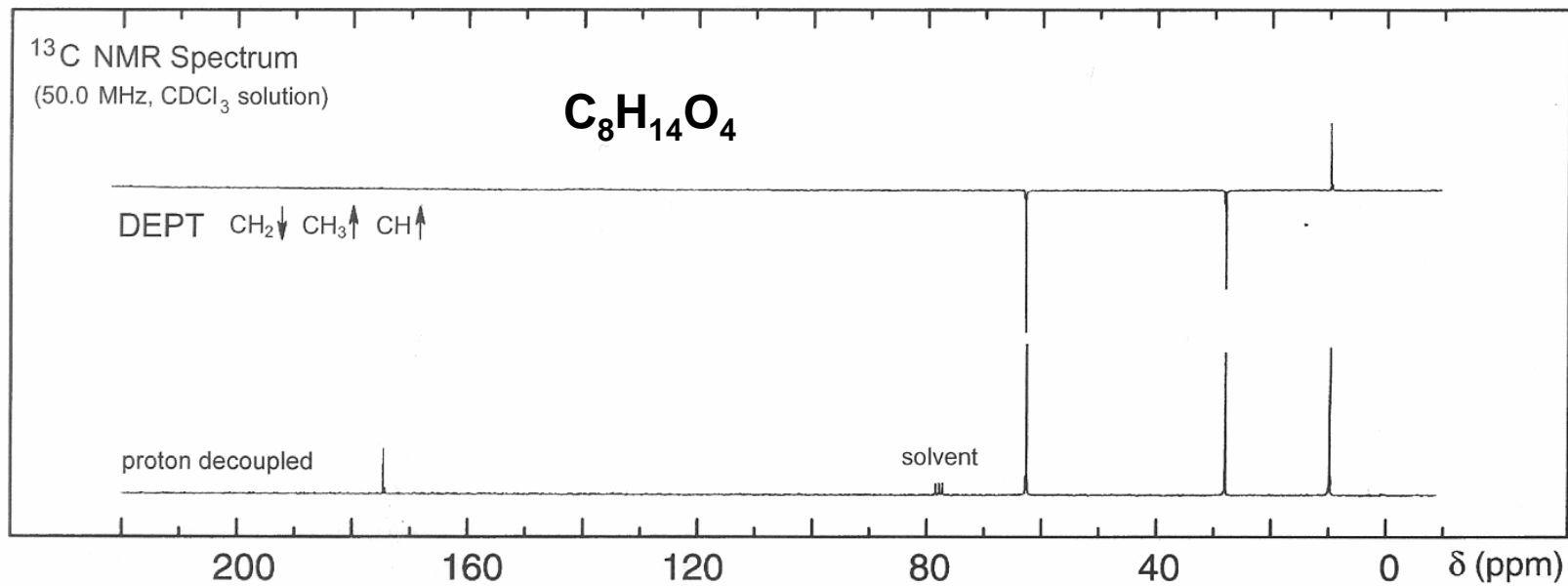
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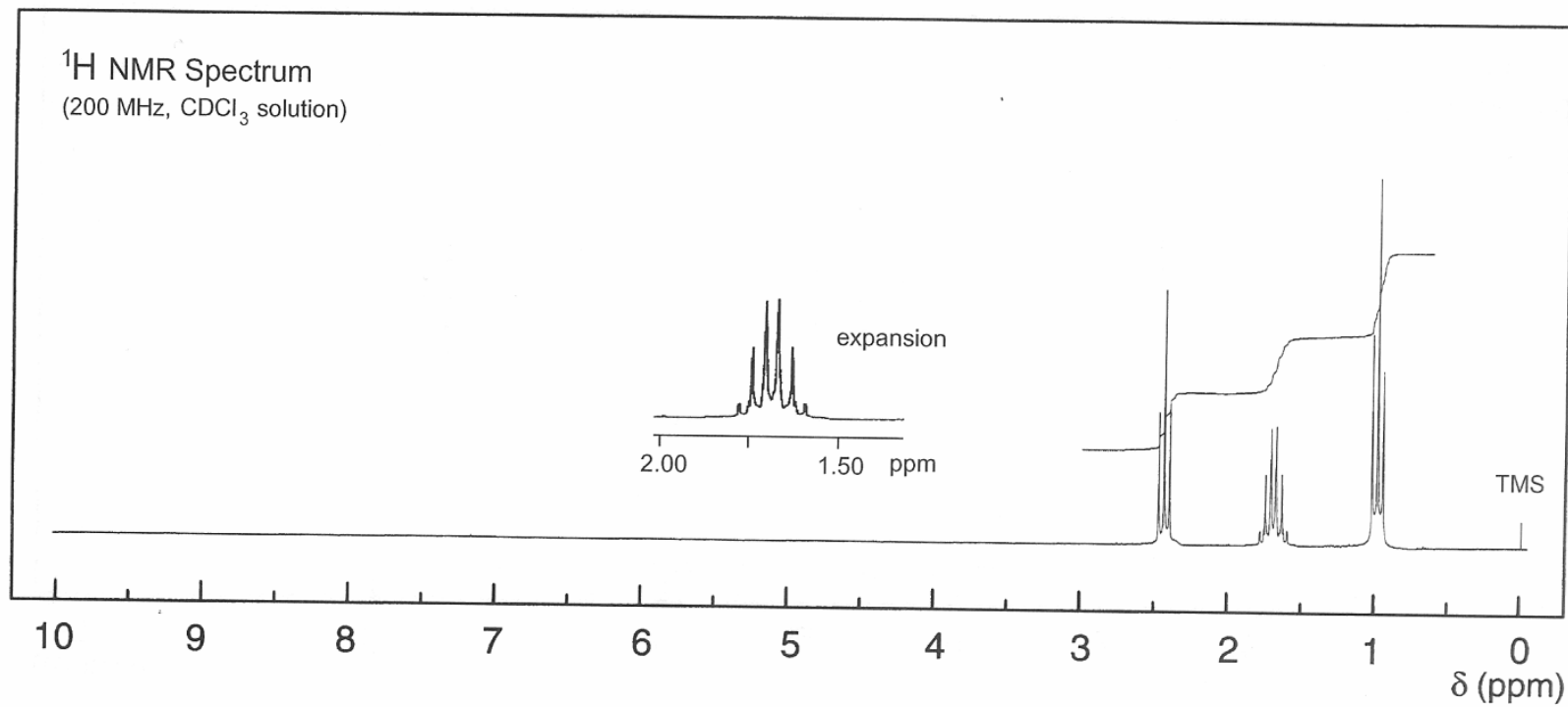
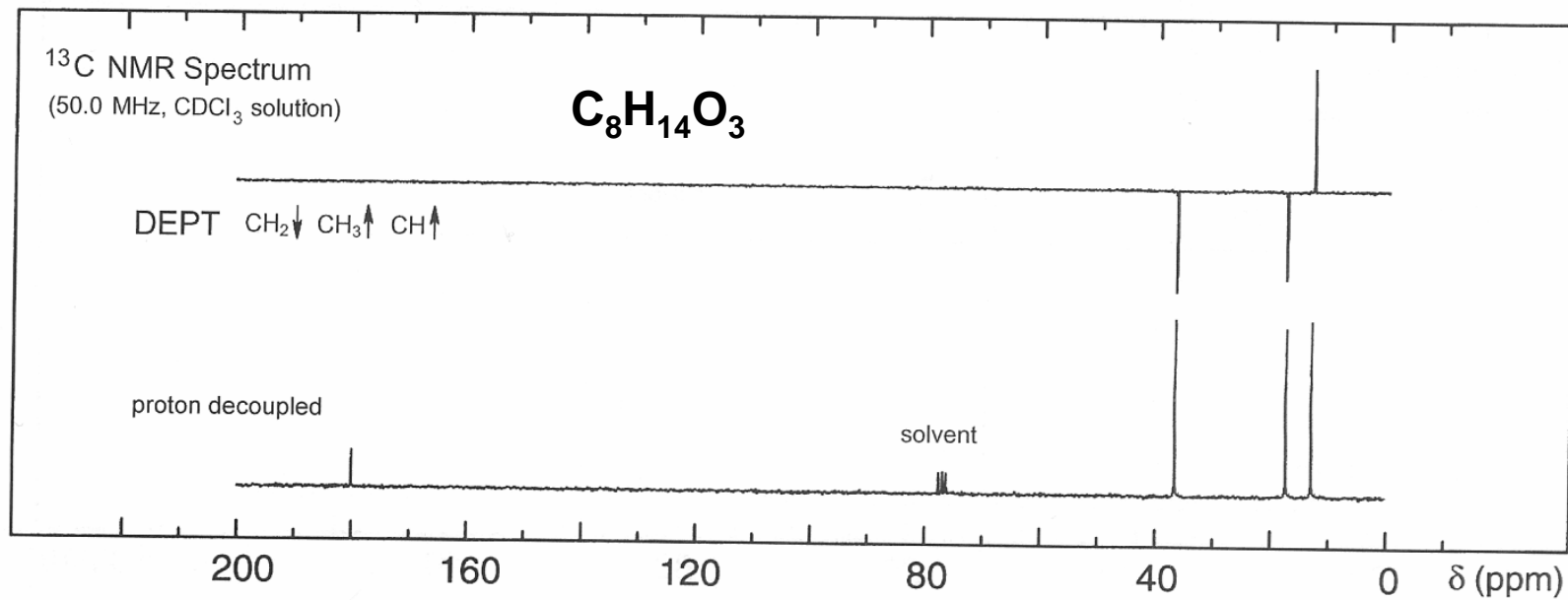




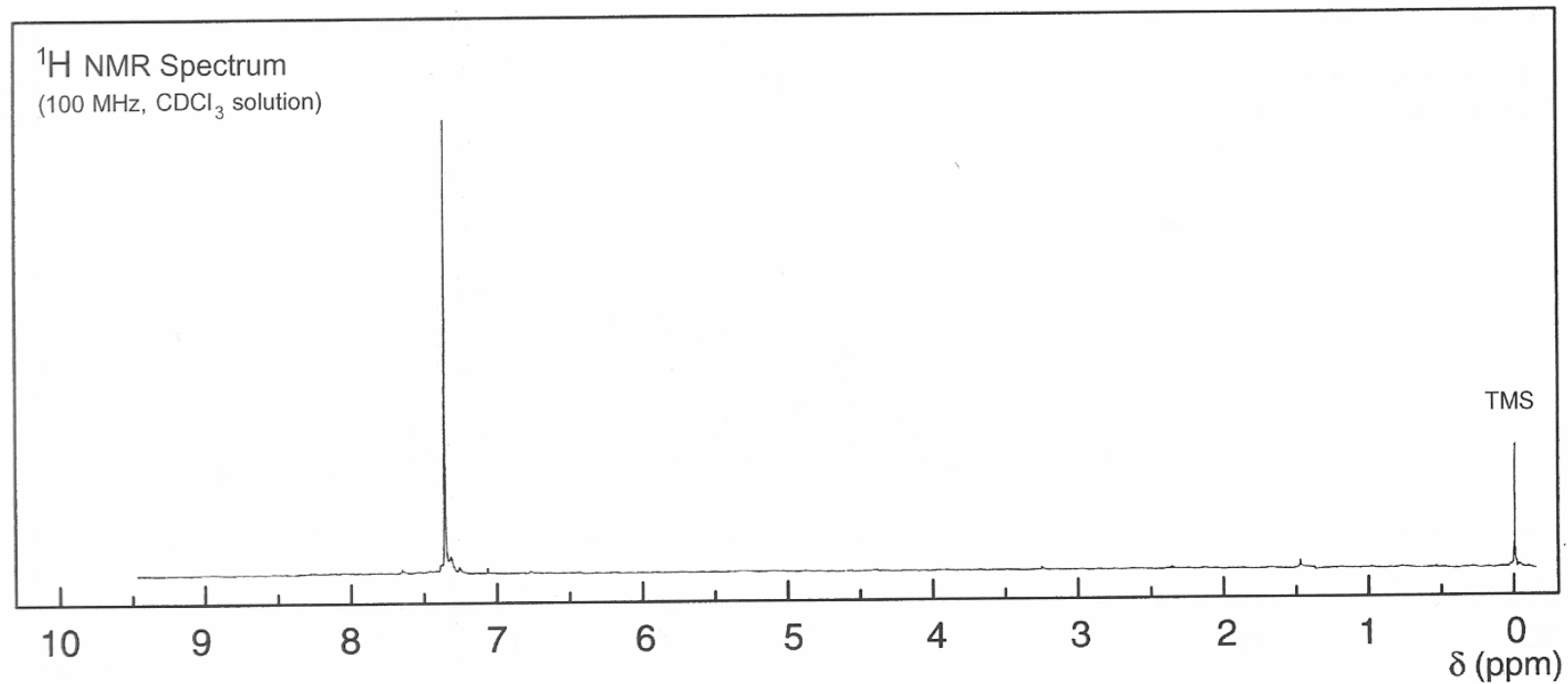
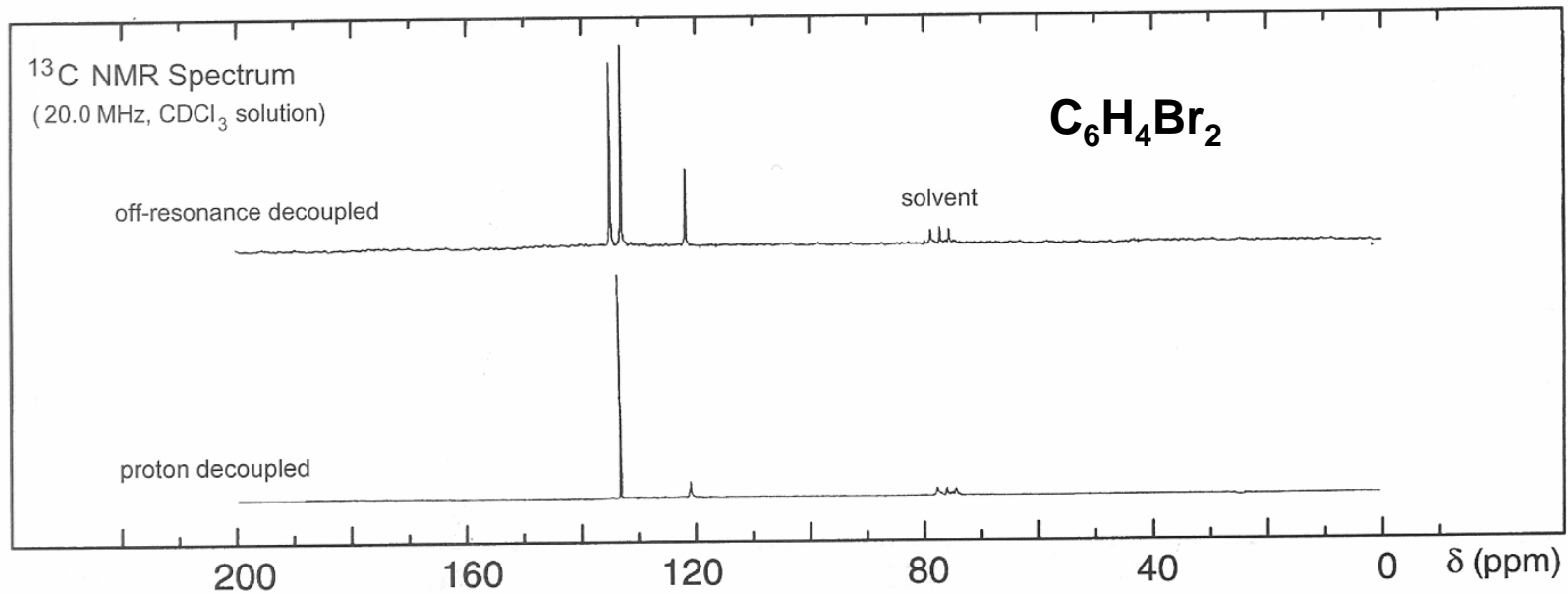
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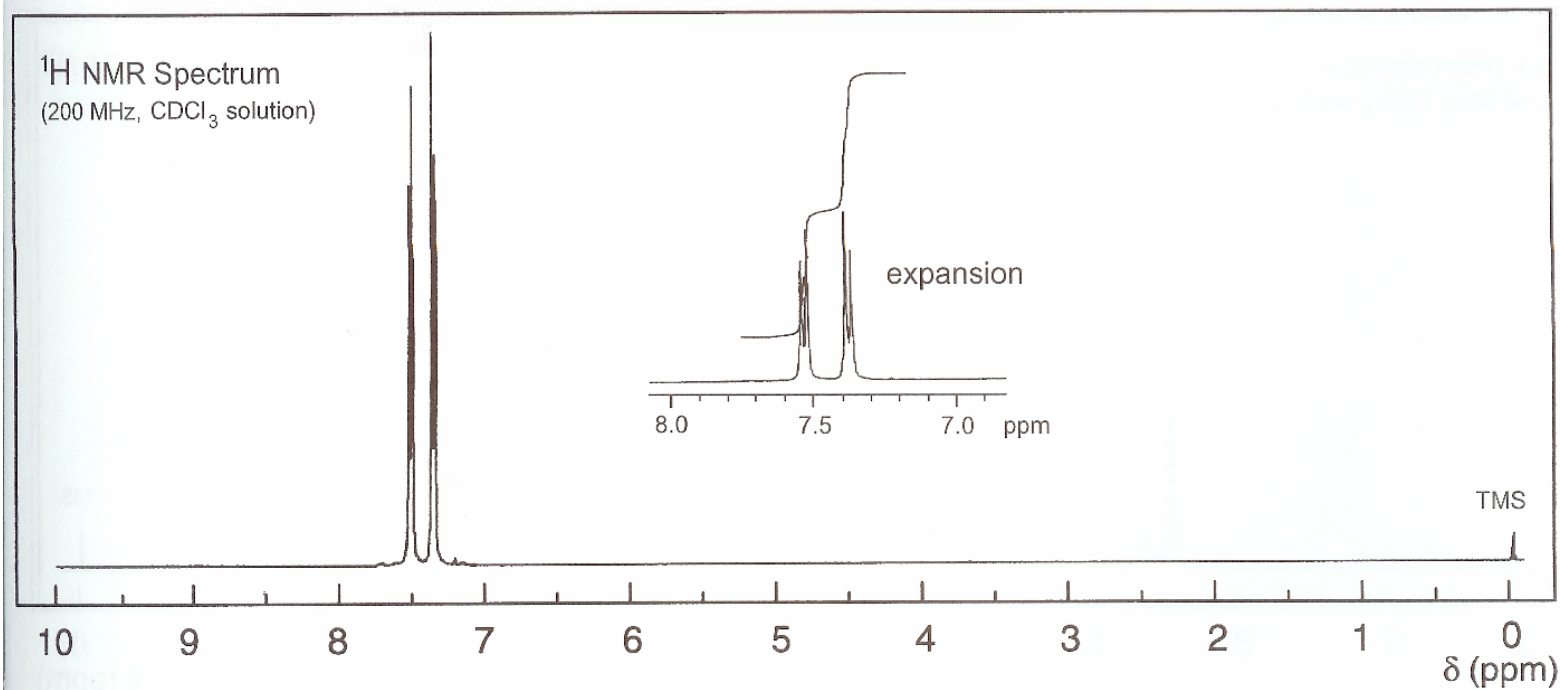
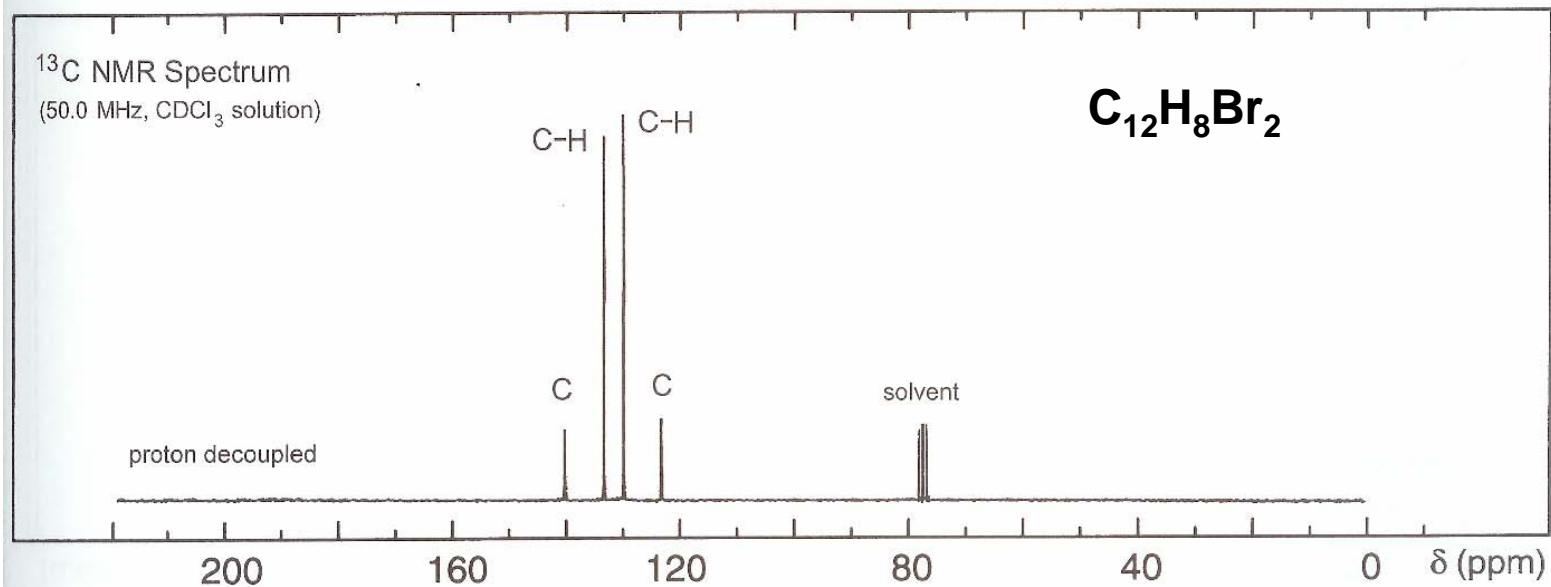
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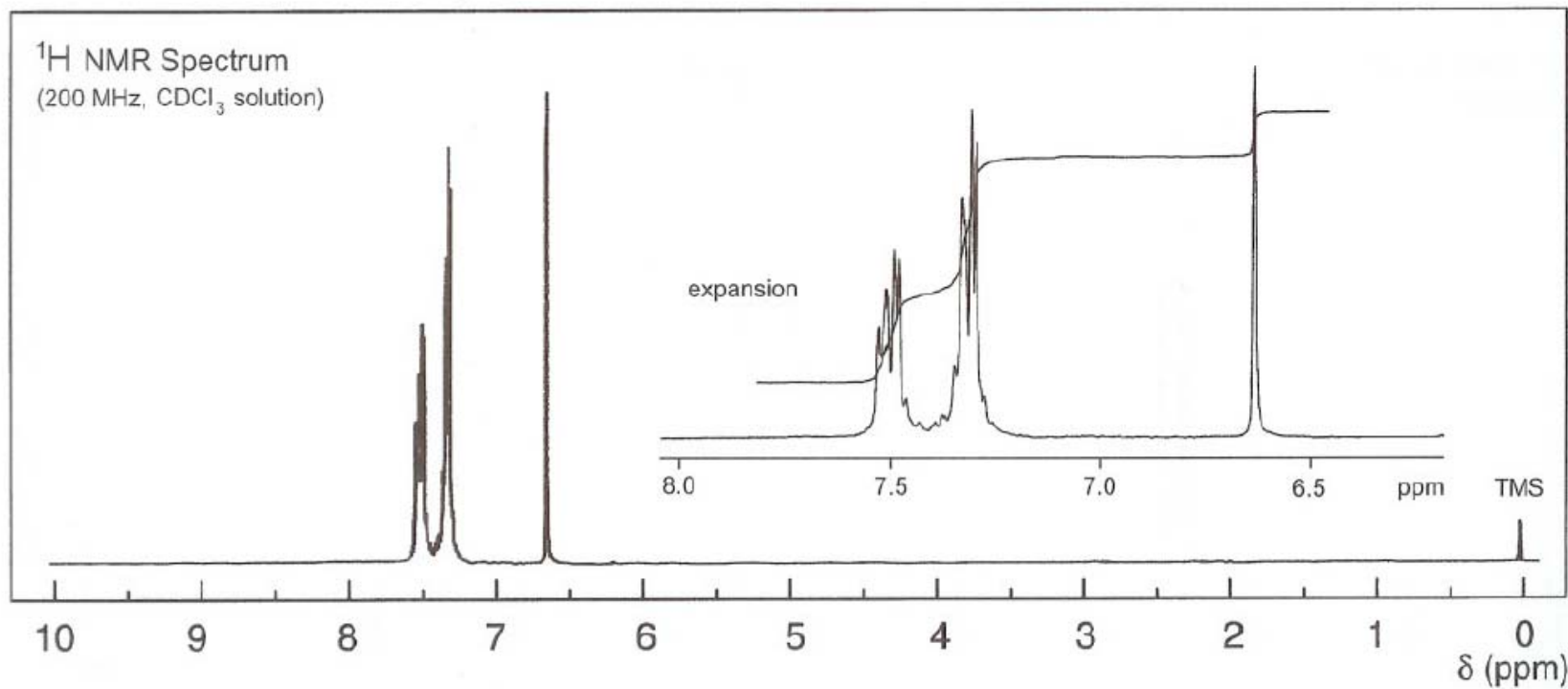
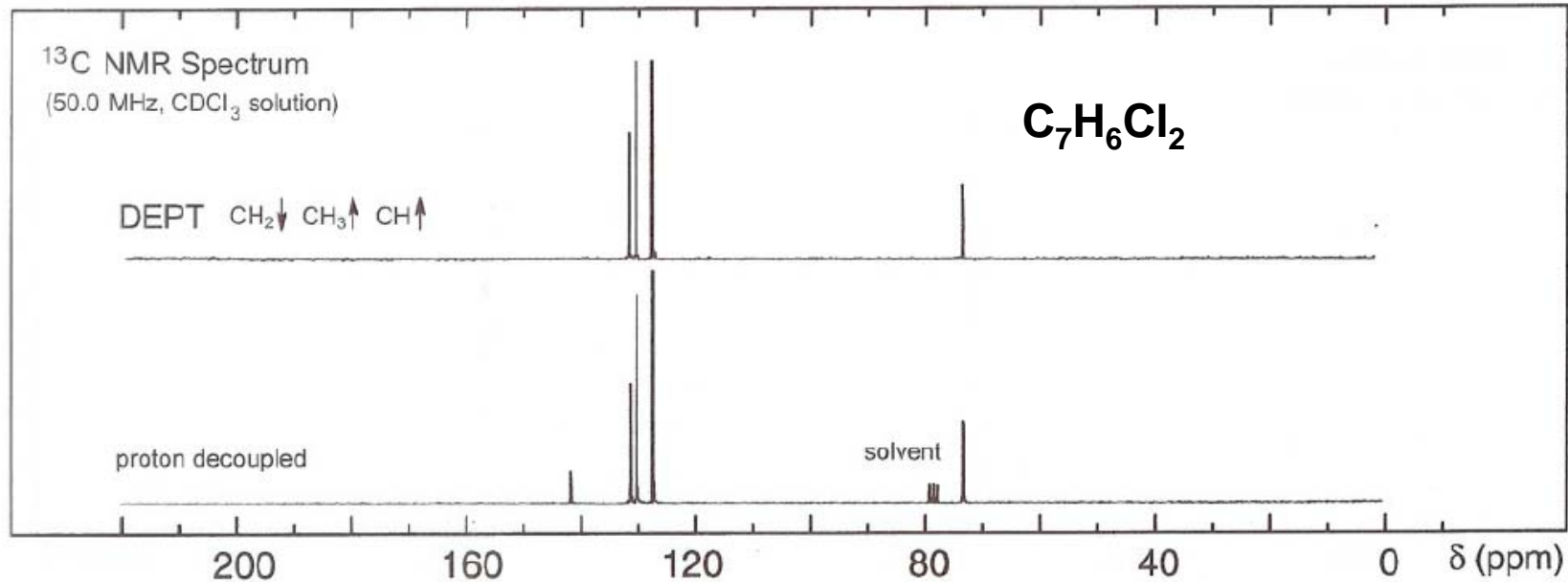


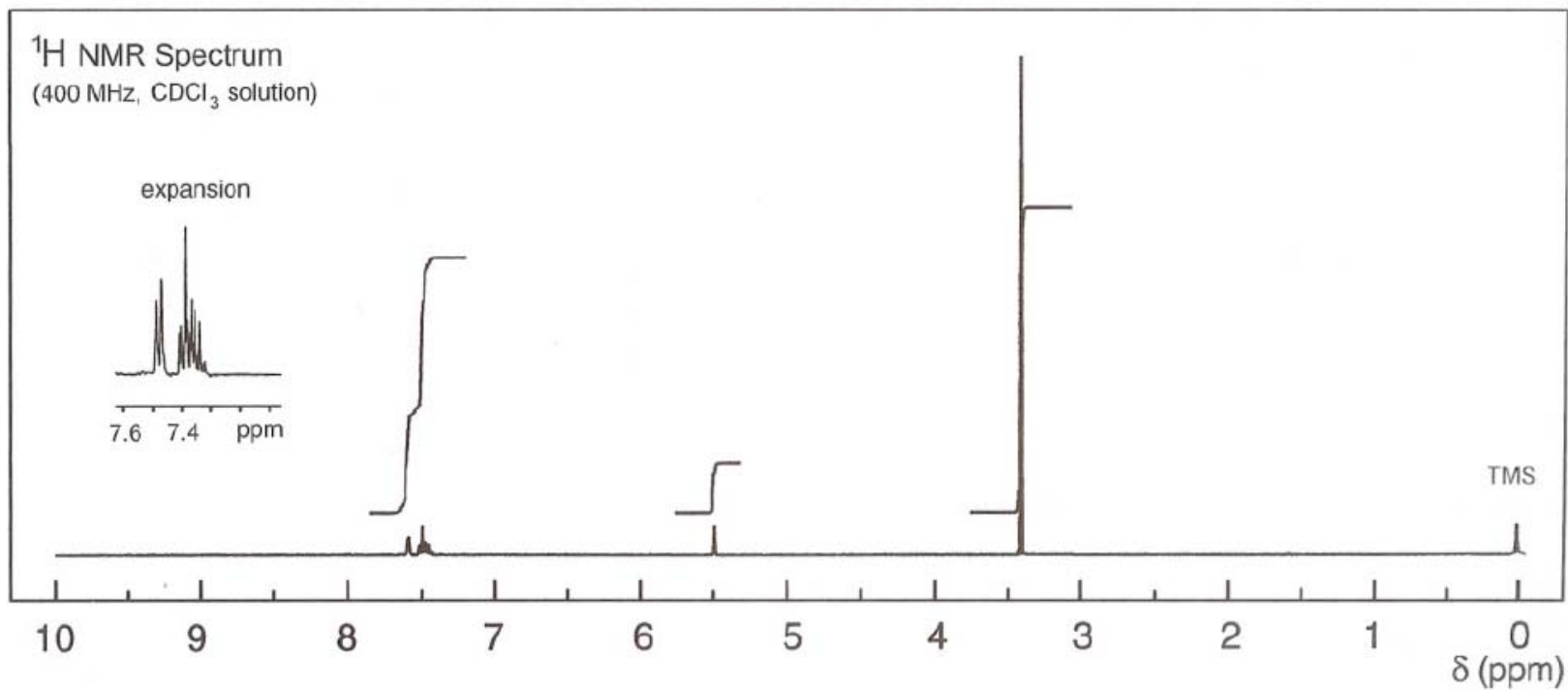
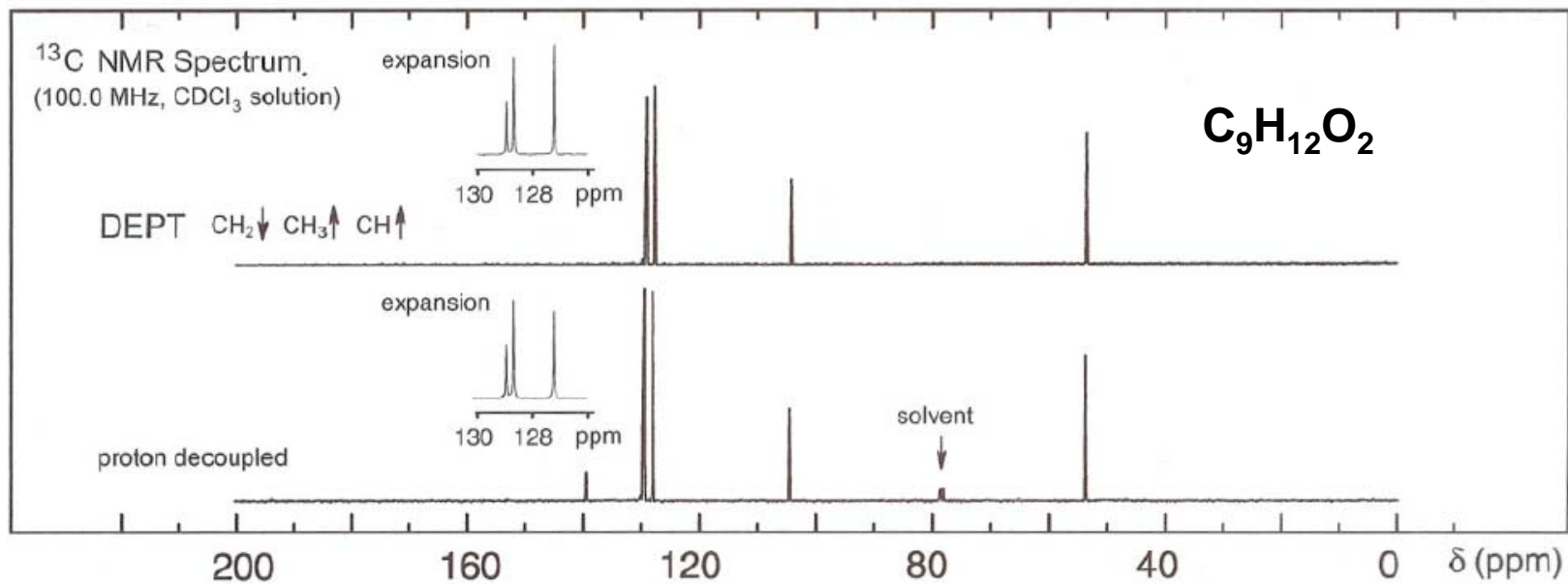
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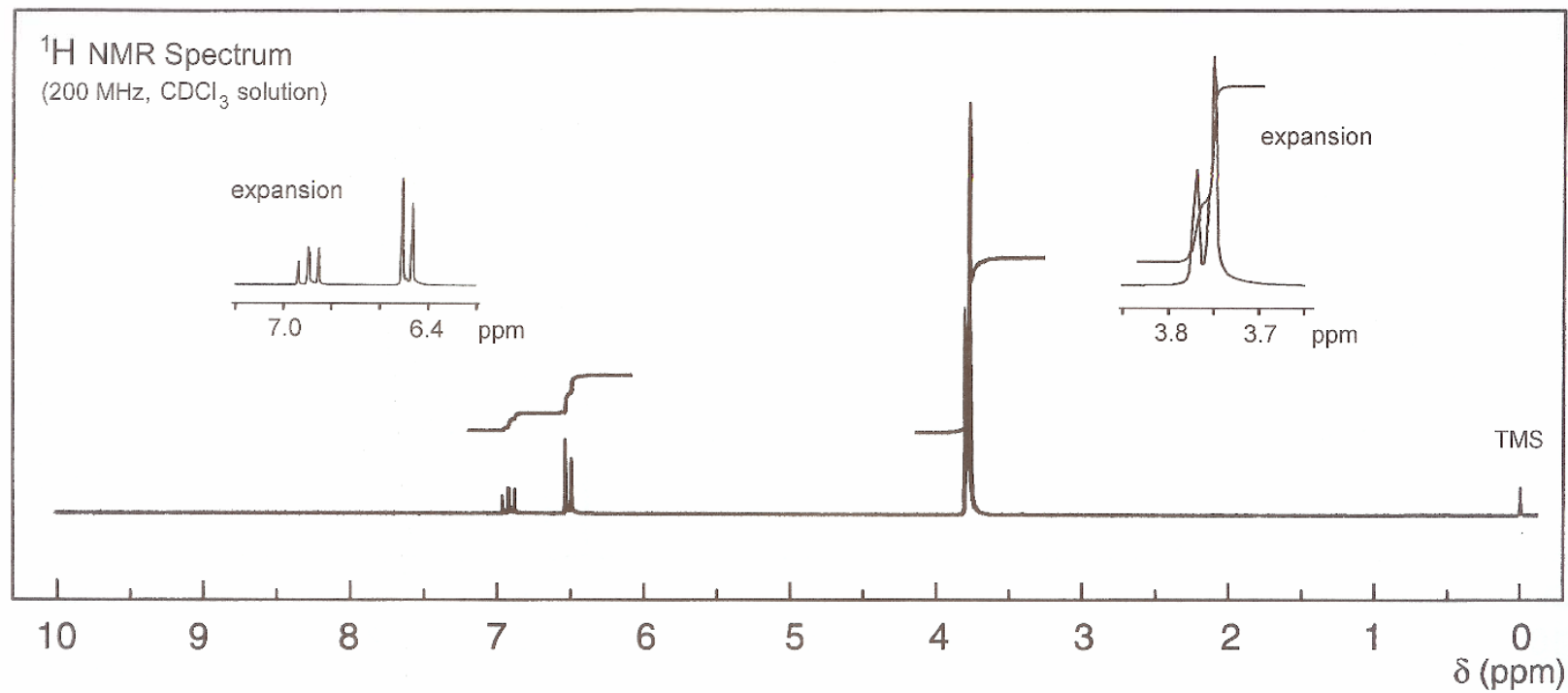
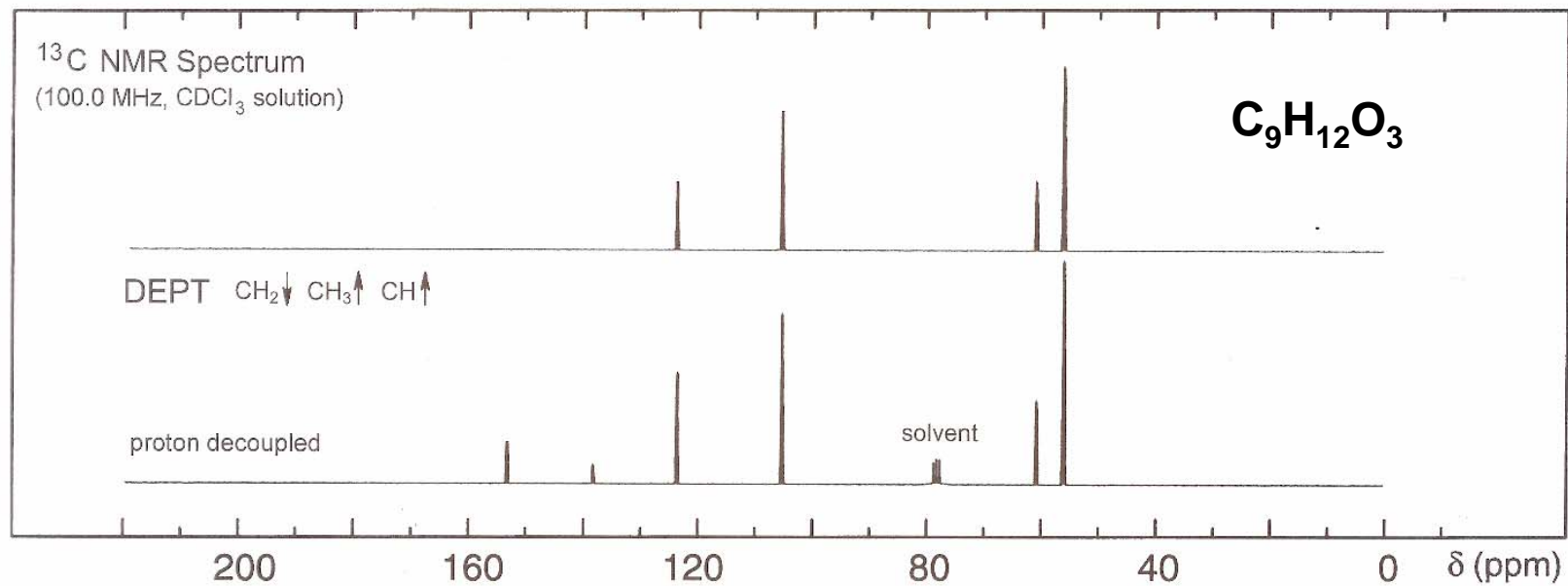
40







43



44

