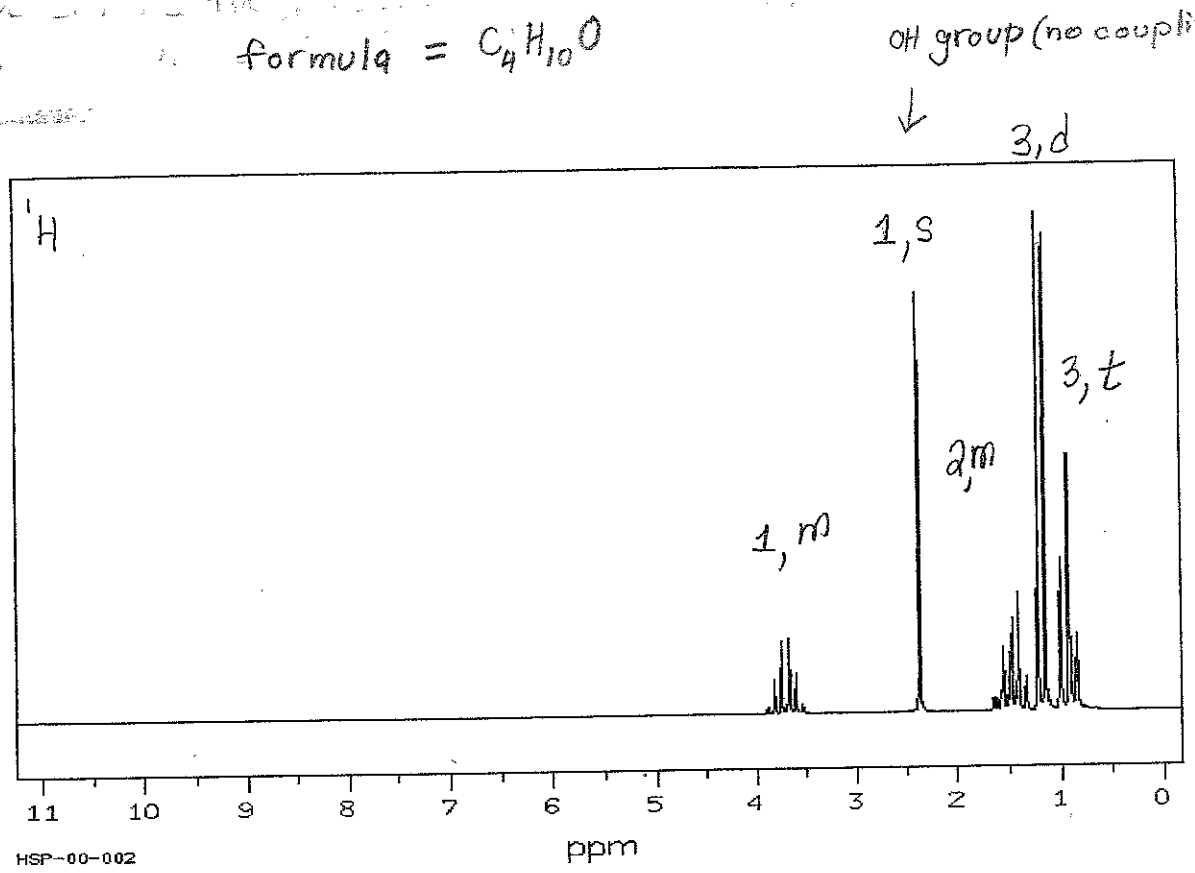
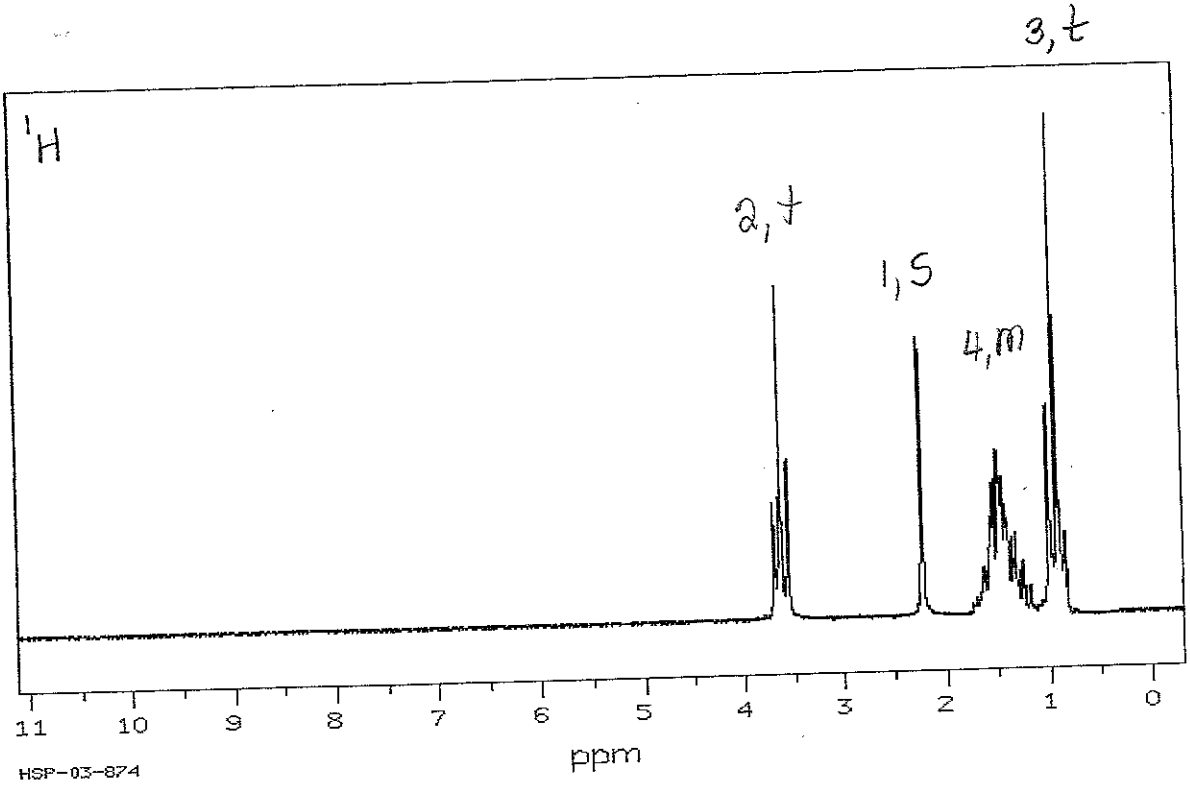
Chapter 13. Proton NMR Advanced Practice

#1. formula = $C_4H_{10}O$



#2. formula = $C_4H_{10}O$



3. Formula = $C_4H_{10}O_2$

^1H NMR:

3.25δ (S,6H), 3.45δ (S,4H)

4. Formula = $C_5H_{10}O$

^1H NMR:

1.10δ (d,6H), 2.10δ (S,3H), 2.5δ (septet, 1H)

5. Formula = C_6H_{12}

^1H NMR:

0.9δ (t,3H), 1.6δ (S,3H), 1.7δ (S,3H), 2.0δ (m,2H), 5.1δ (t,1H)

6. Formula = $C_{10}H_{14}O$

^1H NMR:

1.2δ (S,6H), 1.6δ (S,1H), 2.7δ (S,2H), 7.2δ (m, S,5H)