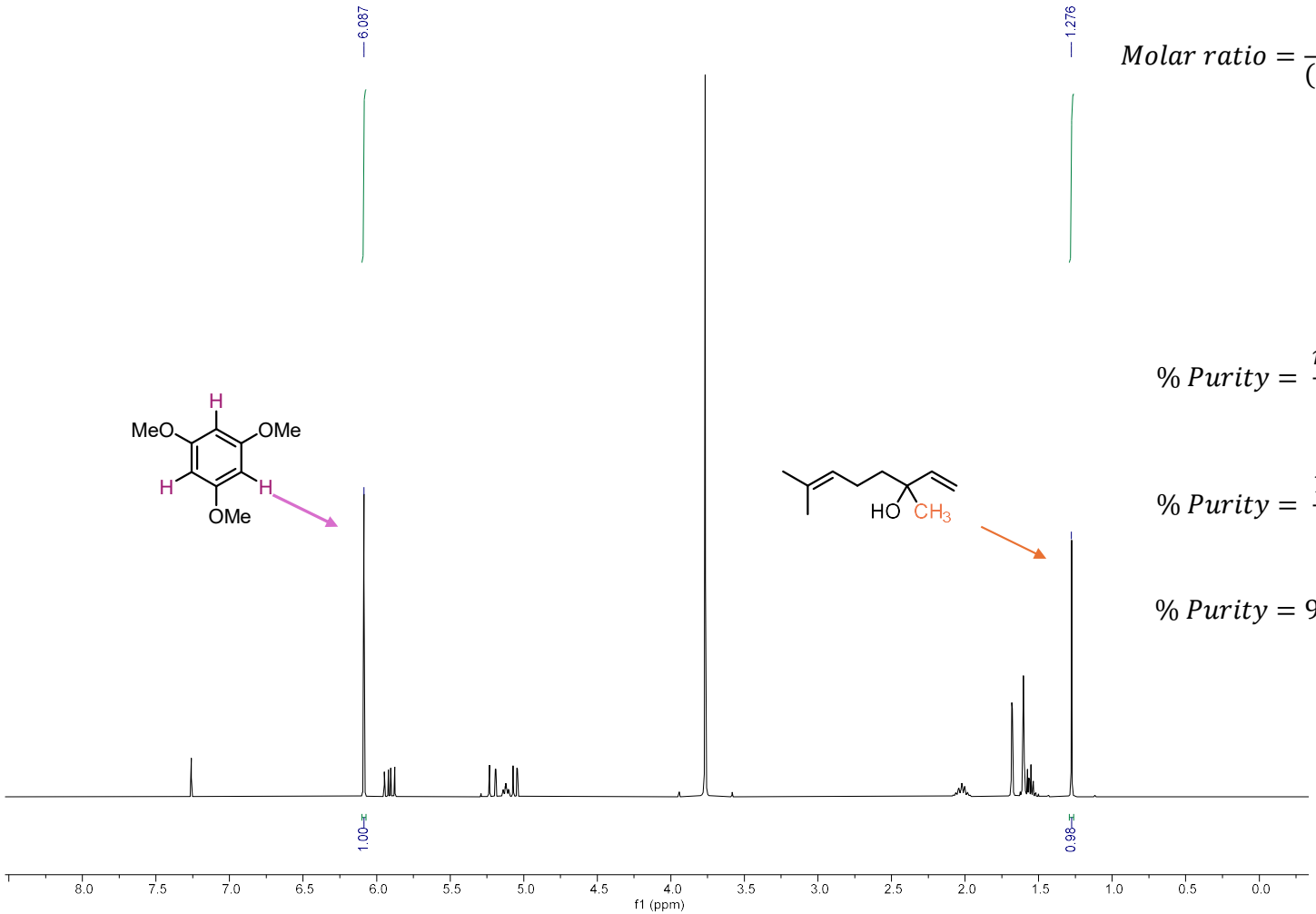

$$Molar\ ratio = \frac{(I_{lin}/\#H_{lin})}{(I_{TMB}/\#H_{TMB})} = \frac{(0.97/3)}{(1.00/3)} = 0.97$$

$$\%\ Purity = \frac{mg_{TMB} \times\ MW_{lin} \times molar\ ratio}{mg_{lin} \times MW_{TMB}} \times 100\%$$

$$\%\ Purity = \frac{18.8\ mg \times 154.25\ g/mol \times 0.97}{16.8\ mg \times 168.19\ g/mol} \times 100\%$$

$$\%\ Purity = 99.5\%$$