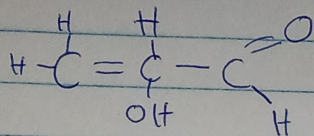
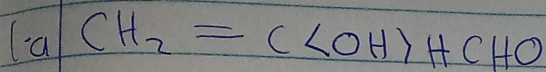


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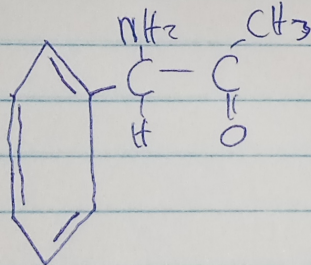
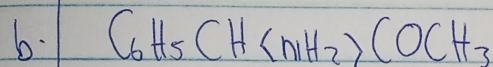


Present functional groups are

i. Double bond (Alkene)

ii. OH - Hydroxyl group

iii. $\text{C}=\text{O}$ - Alkanol

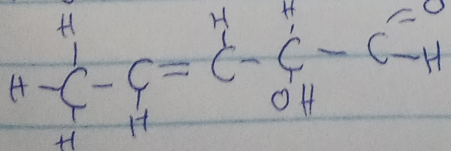
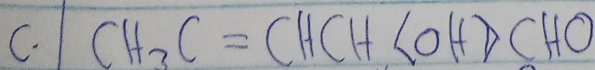


Present functional groups are

i. Phenyl group (C_6H_5) with double bonds

ii. Amine

iii. Alkanone ($\text{C}=\text{O}$)



functional groups are

i. Alkene ($\text{C}=\text{C}$)

ii. Hydroxyl group (OH)

iii. Alkanol ($\text{C}=\text{O}$)

2-

Recall, $[\alpha]_D^{25} = \frac{1}{l} \frac{\phi}{c}$

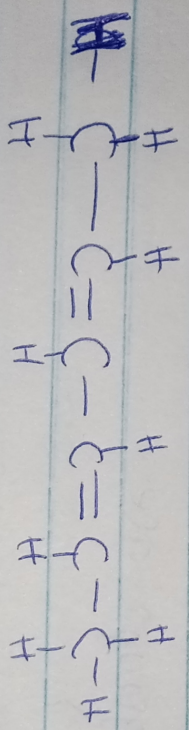
Where l = length, $c = \frac{\text{mass}}{\text{Volume}}$ (g/dm)

α = Observed rotation

$$S_x = \frac{1.0}{1.0 \times \left(\frac{0.856}{10} \right)}$$

$$= \frac{1}{0.0856} = 11.68$$

3i Hexa-2,4-diene



ii 2,3-Dimethyl but-2-ene

