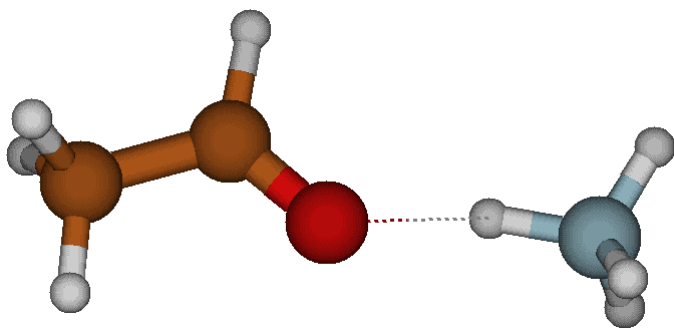
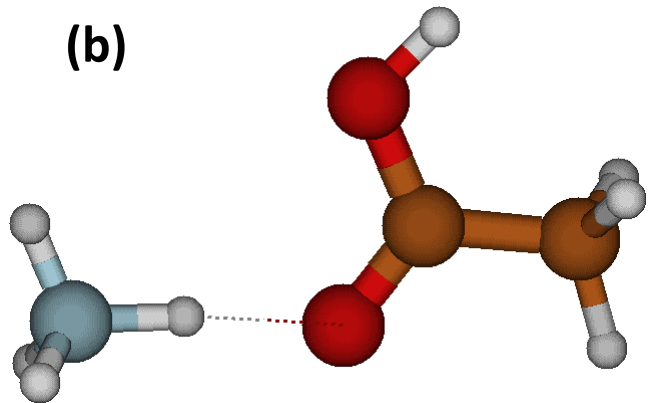


(a)



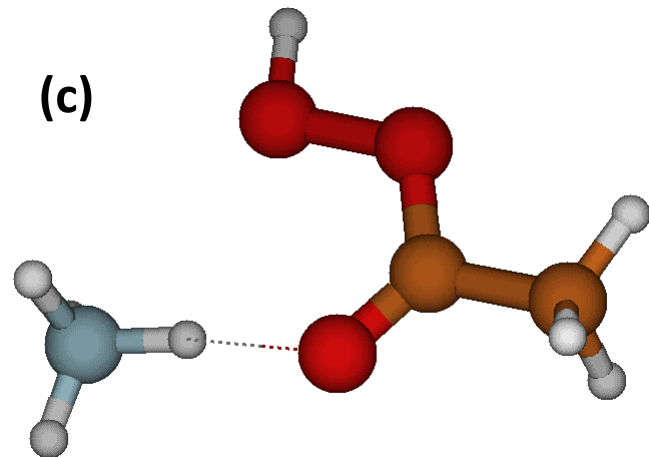
$$\Delta G = -17.98 \text{ kcal mol}^{-1}$$

(b)



$$\Delta G = -17.32 \text{ kcal mol}^{-1}$$

(c)



$$\Delta G = -17.46 \text{ kcal mol}^{-1}$$