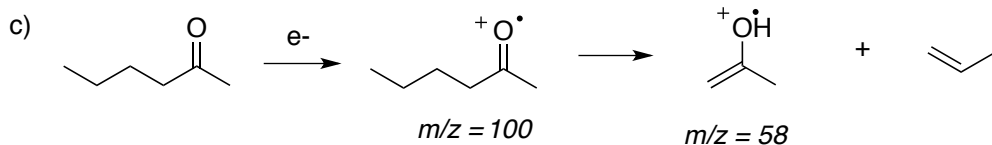
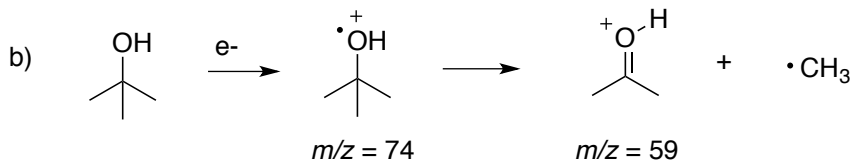
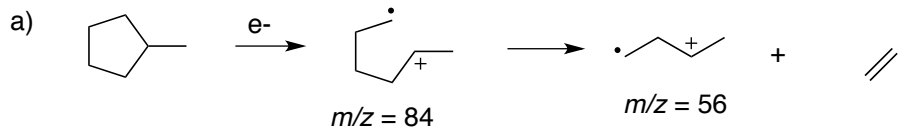
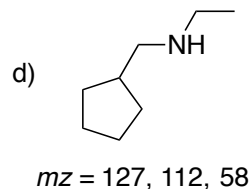
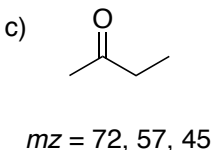
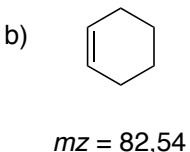
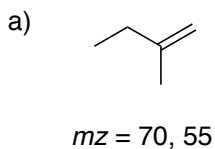


1) Using a mechanism, show how the following fragmentations take place.



2) Predict the fragments associated with the following compounds ionization peaks.



3) A molecule with the molecular formula $C_6H_{12}O$ shows a strong absorption by IR at 1700 cm^{-1} , and has fragmentation patterns of $mz = 100, 99, 57, 44, 29$. What is the compound?