$$F^{1} - C^{2} - F^{4} \longrightarrow F^{1} - R^{3} + C^{2} - F^{4}$$

$$CF_Radical_Formation_1$$

$$F^{1} - C^{2} - R^{3} \longrightarrow R^{3} + C^{2} - F^{1}$$

$$CF_Radical_Formation_2$$

$$F^{1} - C^{2} - C^{3} \longrightarrow C^{3} = 0^{4} + C^{2} - F^{1}$$

$$CF_Radical_Formation_3$$

$$R - C^{1} - O^{2} - C^{3} - R \longrightarrow R - C^{1} = 0^{2} + F^{4} - C^{3} - R$$

$$CO_CF_Bond_Dissociation$$

$$F - R^{1} - C^{2} \longrightarrow O^{3} = C^{2} = 0^{4} + F - R^{1} - H^{5}$$

$$CO_{2}_Elimination_From_Carboxylic_Acid$$

$$C - O^{1} - C^{2} - C^{3} - F^{4} \longrightarrow C - O^{1} - C^{2} = C^{3}$$

$$Enol_Ether_Formation$$

$$F^{4} - C^{3} \longrightarrow O^{4} = C^{2} = O^{3} + C^{5} = C^{1} - F^{6}$$

$$Lactone_to_Perfluoroalkene$$

$$O^{1} - O^{2} - C^{3} - F^{4} \longrightarrow O^{1} - F^{4} + O^{2} = C^{3}$$

$$OF_Radical_Formation$$