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Ionic rearrangements of fluoroaliphatic compounds

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The presentation will systematize some data concerning rearrangements of fluoroaliphatic compounds catalyzed by Lewis acids or related compounds.

Driving forces of these processes can be various factors, such as:

- thermodynamic instability of systems containing fluorine atoms at sp^2 -hybridized carbon atoms;
- mobility of fluorine atoms in allylic or benzylic position (σ, π -conjugation);
- activity of fluorine atoms at α -position to heteroatoms bearing an unshared electron pair (p, π -conjugation);
- energy gain of stable ions formation (allylic cations, stable complex counterions - SbF_6^- , BF_4^- etc.)