## NEW METHOD OF SYNTHESIS OF TRIFLUOROSTYRENE

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Earlier we suggested 2 ways of synthesis of Trifluorostyrene based on the interaction of cyclohexene with dibromotrifluorochloroethane with the further aromatisation of the cyclohexane ring [1]

As a continuation of the research works for the development of the simple method of synthesis of trifluorostyrene and other aromatic compounds with the trifluoroethylene group, reactions of 1-iodo-1,2-dichlorotrifluoroethane with benzene, toluene and ethylbenzene were studied.

It is fixed that these compounds are alkylated by iododichlorotrifluoroethane (150-180°C, autoclave) with formation of the corresponding trifluorodichloroethyl benzenes. (la-b)

Trifluorostyrenes (II a-b) are formed under treatment of Zn/Cu couple of the compound (I a-b) in different solvents (acetic acid, ethanol, acetone, ethylacetate).

AlK 
$$+ ICFCICF_2CI$$
  $+ ICFCICF_2CI$   $+ ICFCIC$ 

1. S. Igumnov, E. Igumnova, A. Gontar. 16<sup>th</sup> International Symposium, Fluorine Chemistry, Durham, UK. 2000. Pages 2p-8.