flow X2 containing a non-aromatic hydrocarbon, a mixed hydrocarbons flow M of an aromatic hydrocarbon having less than or equal to 7 carbon numbers and/or a part or all of the flow K containing a non-aromatic hydrocarbon to the aromatization reactor in iii); vii) optionally, reacting the C_9^+ aromatic hydrocarbons flow L in at least one reactor selected from a transalkylation reactor and a dealkylation reactor to obtain a C_8 aromatic hydrocarbon flow L1. The method of the present invention solves the above problems relatively greatly and can be used in industrial production of aromatic hydrocarbon with oxygenates as raw material(s).

[No suitable figure]