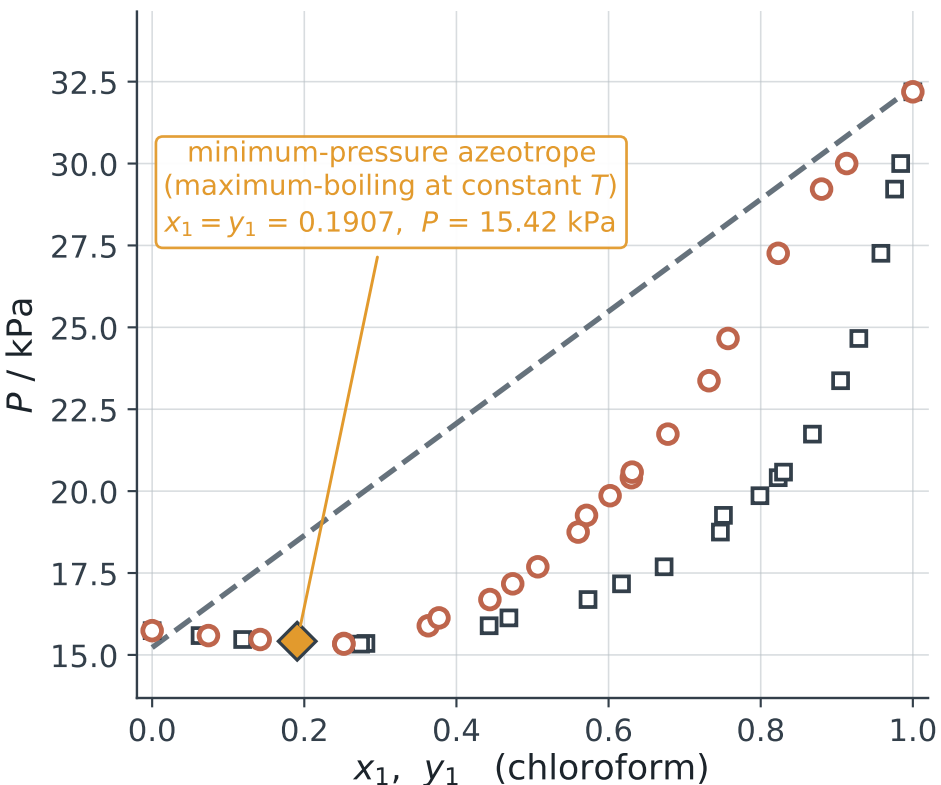


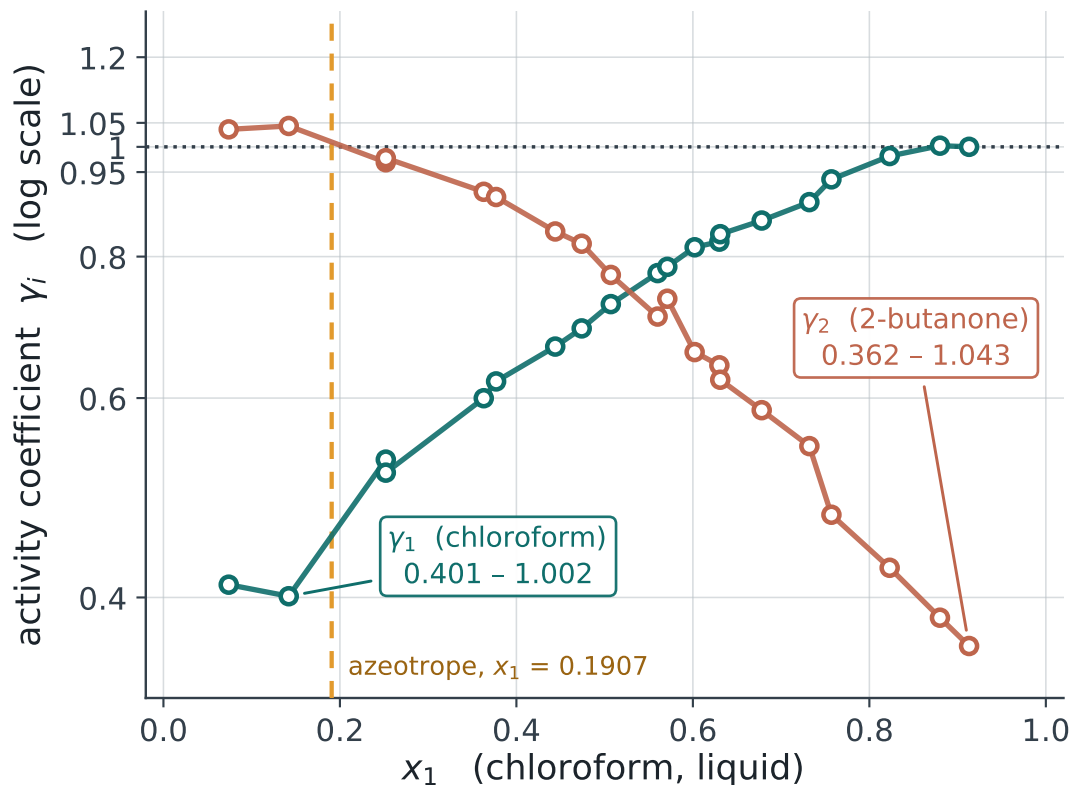
Type 3 — negative deviation — maximum-boiling azeotrope

-- Raoult's law ($\gamma_i = 1$) ○ measured, bubble (x_1) □ measured, dew (y_1) ● γ_1 chloroform ○ γ_2 2-butanone

(a) P - x - y , isothermal, $T = 303.15$ K



(b) γ_1 and γ_2 from the same measurements



chloroform (1) + 2-butanone (2) · 22 points, isothermal, $T = 303.15$ K · doi:10.1021/je060150a

$\gamma_i = y_i P / (x_i P_i^{\text{sat}})$: modified Raoult, ideal vapour, Antoine P_i^{sat} . Nothing here is fitted.