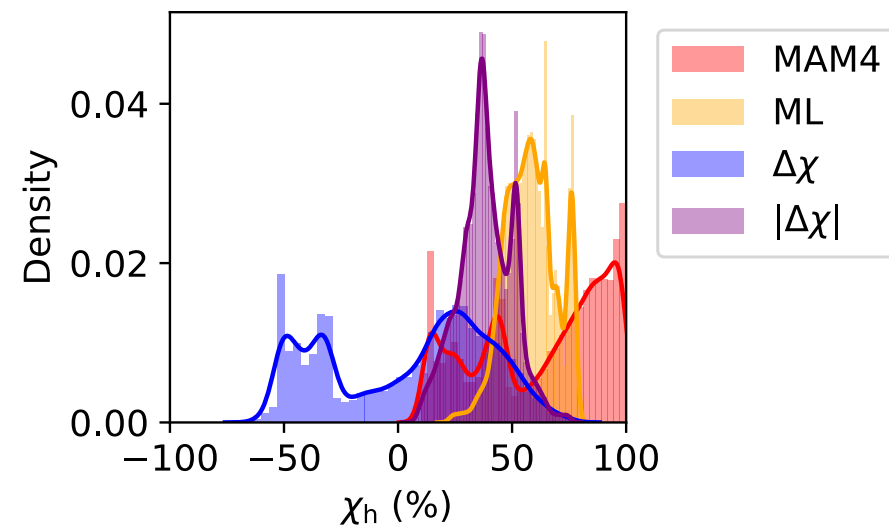
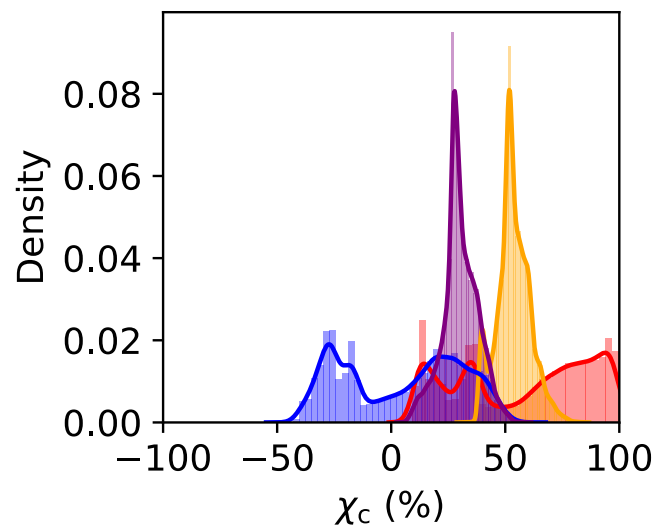
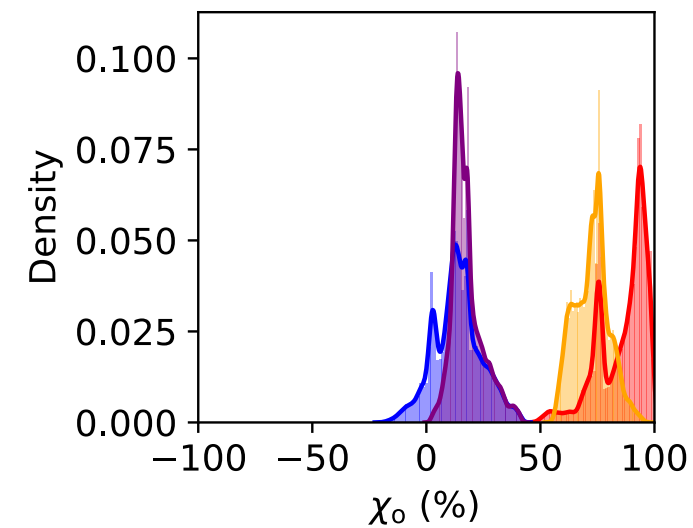


optical  $\chi_o$ carbon  $\chi_c$ hygroscopic  $\chi_h$ 

(a)

(b)

(c)



(d)

(e)

(f)

