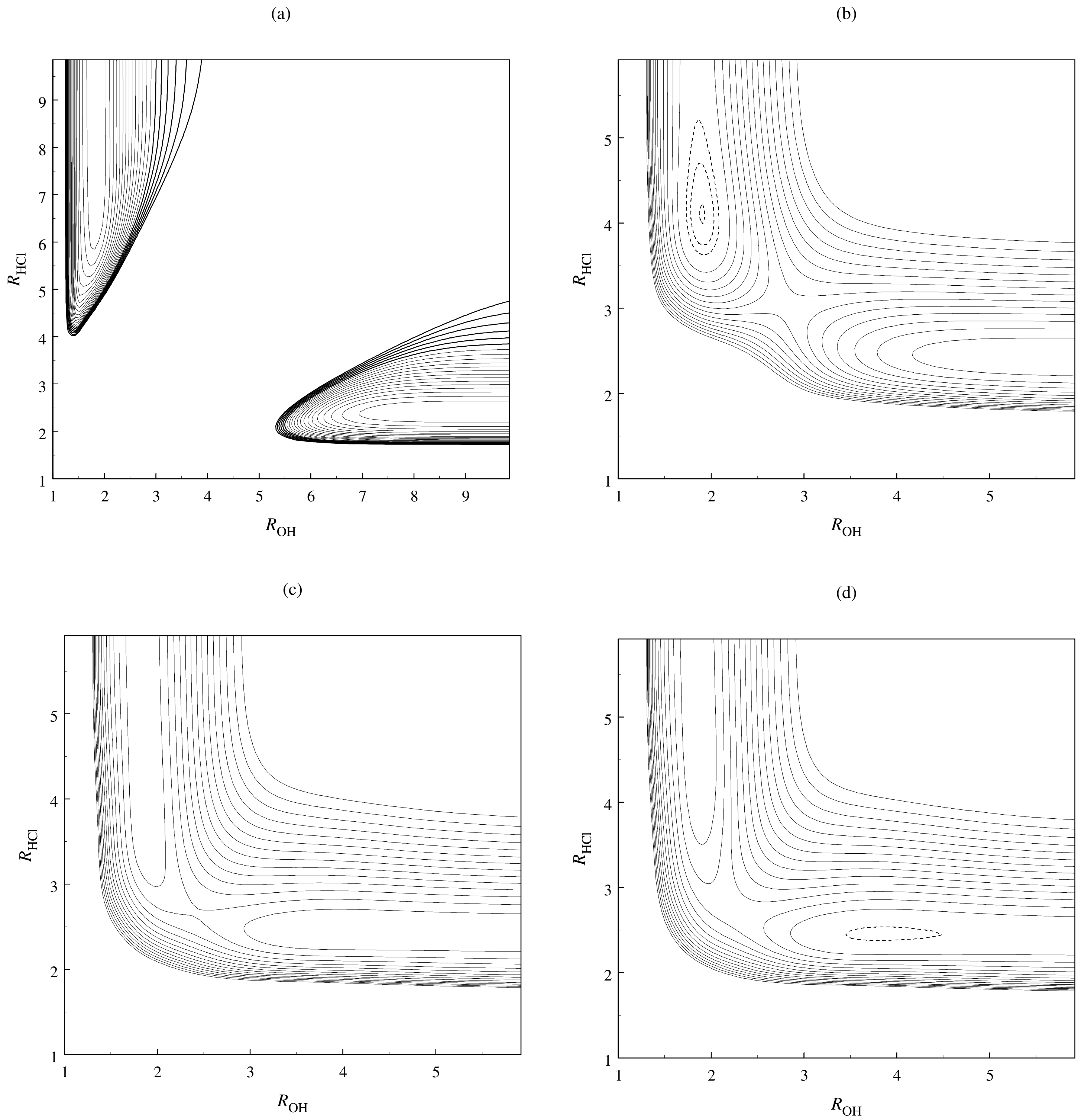

Figure 1. Contours of the S4 Surface at O-H-Cl angles of (a) 10°, (b) 80.4°, (c) 131.4°, and (d) 180°. The dashed contour lines represent negative values with respect to the asymptotic entrance channel minimum. The contours are drawn at –5, –3, –1 kcal/mol and in increments of 5 kcal/mol from 5 to 100 kcal/mol in panel (a) and 5 to 70 kcal/mol in the other three panels.