OBSERVATION AND ANALYSIS OF IR AND RAMAN SPECTRA OF SOME SOLUTIONS AT HIGH PRESSURES

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Simultaneous transitions in IR absorption spectra of binary and ternary solutions with CO2, CS2, CHCl3 and alcohols at high pressures and temperatures were measured. With the purpose of study of a degree of effect of pressure on a half-width and intensity in solutions of Raman spectra lines 606cm-1 of benzene, 261cm-1 of chloroform and their 90% solutions in cyclohexane were studied. In solutions the degree of reduction of a half-width of lines is little bit more than in pure liquids, in identical pressures range. We revealed the correlation of parameters of the simultaneous transition bands and Raman spectra.