

ABSTRACT

The diploma thesis focuses on analysis of fatty alcohols with mass spectrometry. Theoretical part describes distribution, main properties, usage and analytical methods for analysis of fatty alcohols. Experimental work focuses on the search for a proper derivatisation procedure for fatty alcohols, which would enable their detection with soft ionisation techniques of mass spectrometry, as well as their structural analysis. The main aim of the structural analysis is to find the methyl branching in the fragmentation spectra of derivatives of the fatty alcohols.