Numerical Simulation and Modelling of the Dispersion in Tubing and Sample Loops Used in (Multidimensional) Liquid Chromatography

Jesús Ara Bernad

Master thesis submitted under the supervision of

Prof. Dr. Ir. Ken Broeckhoven

And the co-supervision of

Ir. Ali Moussa

Academic year

2020-2021

In order to be awarded the Master's Degree in

Chemical and Materials Engineering

Contents