## Glucose-assisted redox hydrothermal route to prepare Mn-Doped CeO<sub>2</sub> Catalyst for the Total Catalytic Oxidation of VOCs

Nga Hang Thi Phan<sup>1</sup>, Chinh Chien Nguyen<sup>2,3</sup>, Minh Tuan Nguyen Dinh\*<sup>4</sup>

<sup>&</sup>lt;sup>1</sup> The University of Danang, School of Medicine and Pharmacy, Danang 550000, Vietnam

<sup>&</sup>lt;sup>2</sup> Institute of Research and Development, Duy Tan University, Danang city 550000, Vietnam.

<sup>&</sup>lt;sup>3</sup> Faculty of Environmental and Chemical Engineering, Duy Tan University, Da Nang 550000, Vietnam

<sup>&</sup>lt;sup>4</sup> The University of Danang, University of Science and Technology, 54, Nguyen Luong Bang, Danang city, Viet Nam

<sup>\*</sup> Corresponding author: ndmtuan@dut.udn.vn

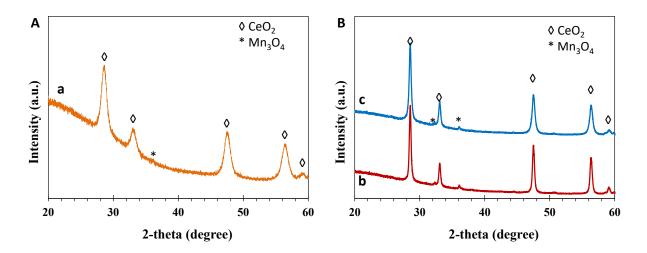


Figure S1: XRD pattern of A) Mn-CeO<sub>2</sub>-R catalysts after TGA analysis at 700 °C in nitrogen; B) b) Mn-CeO<sub>2</sub>-C and c) Mn-CeO<sub>2</sub>-R obtained after TGA analysis at 900 °C in nitrogen atmosphere.

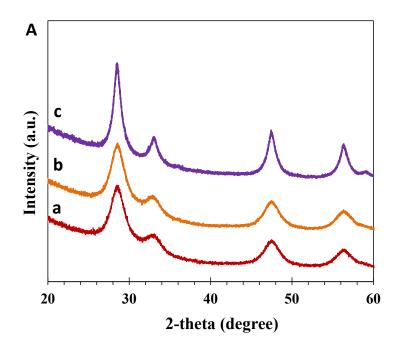


Figure S2. XRD pattern of Mn-CeO<sub>2</sub>-R sample a) fresh, b) after HCHO test, and c) after toluene test.