1 Introduction

1.1 Monoterpenes in the atmosphere

The biosphere of Earth emits large quantities of volatile organic compounds (VOCs). The natural flux of VOCs to the atmosphere exceeds the anthropogenic one, and accounts for 75…90 % of the total VOC flux (Messina et al., 2016). Due to its biogenic nature, VOCs from biogenic sources are often referred to as biogenic volatile organic compounds (BVOCs).

1.2 Iodine in the atmosphere

1.2.1 Iodine cycle and sources of atmospheric iodine

1.2.2 Atmospheric chemistry of iodine

1.3 Organic iron complexes and iodine

1.4 Current state of research

1.5 Relevant instrumentation