

SUPPLEMENTARY INFORMATION

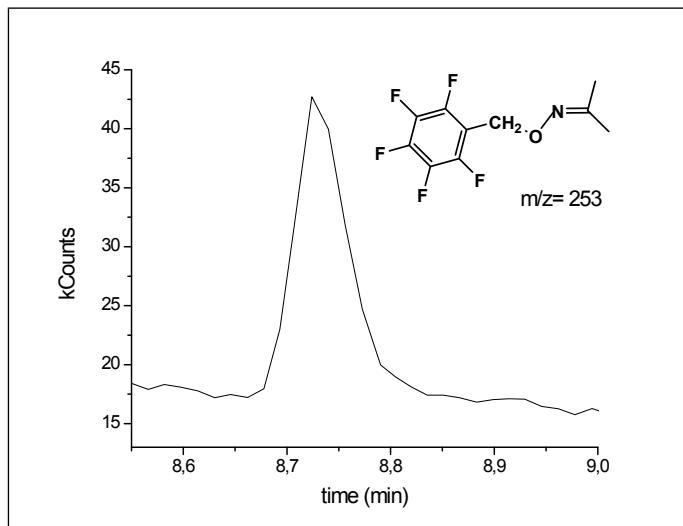
Atmospheric sink of  $\beta$ -ocimene and camphene initiated by Cl atoms: kinetics and products at NO<sub>x</sub> free-air

Elizabeth Gaona-Colmán<sup>a</sup>, María B. Blanco<sup>a\*</sup>, Ian Barnes<sup>b</sup>, Peter Wiesen<sup>b</sup>, Mariano A. Teruel<sup>a\*</sup>

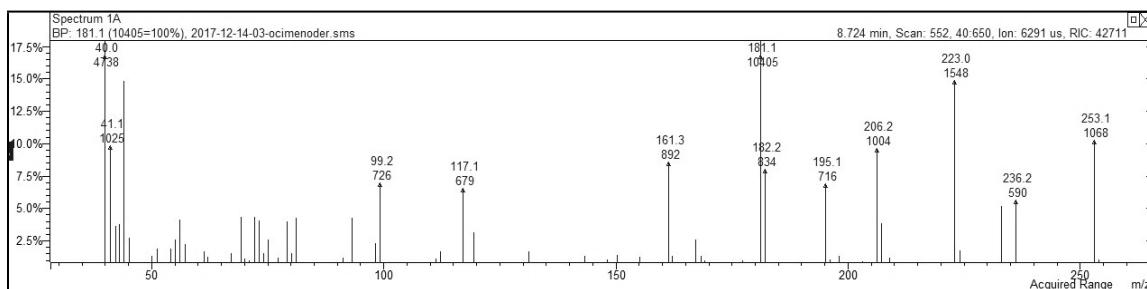
<sup>a</sup>Instituto de Investigaciones en Fisicoquímicas de Córdoba (INFIQC). Dpto.deFisicoquímica,  
Facultad de CienciasQuímicas,

Universidad Nacional de Córdoba. Ciudad Universitaria, 5000 Córdoba, Argentina. E-mails:  
[mteruel@fcq.unc.edu.ar](mailto:mteruel@fcq.unc.edu.ar); [mblanco@fcq.unc.edu.ar](mailto:mblanco@fcq.unc.edu.ar); Tel.: +54-351-4334169; Fax: +54-351-4334180.

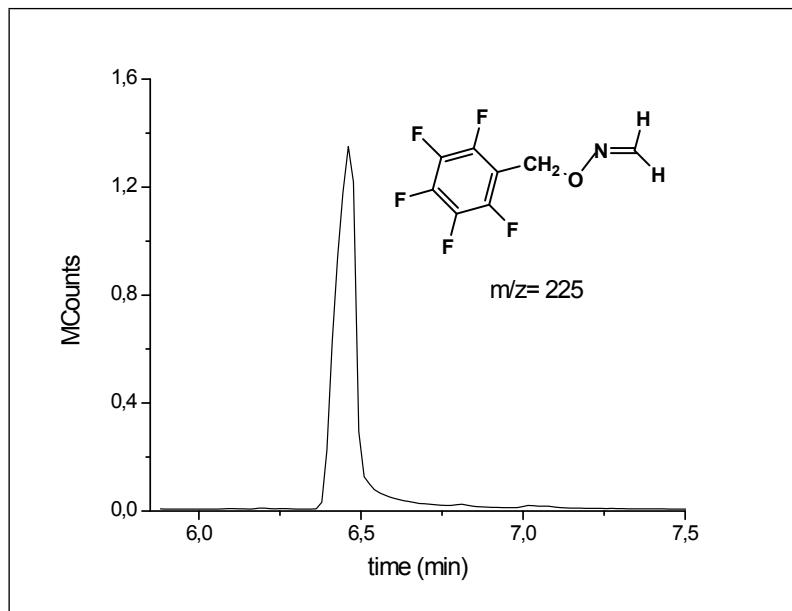
<sup>b</sup>PhysikalischeChemie/FBC, BergischeUniversitaet Wuppertal, 42119 Wuppertal, Germany



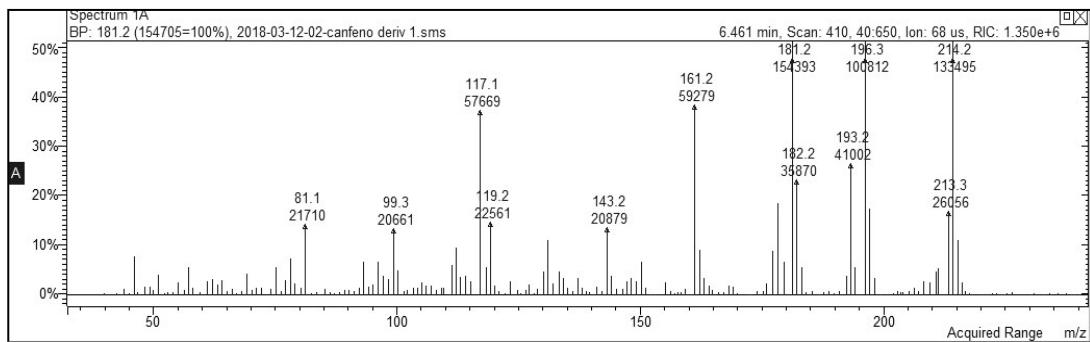
**Figure S1a:**GC chromatogram of acetoxime formed due to reaction of  $\beta$ -ocimene and Cl atoms in air at 298 K and atmospheric pressure



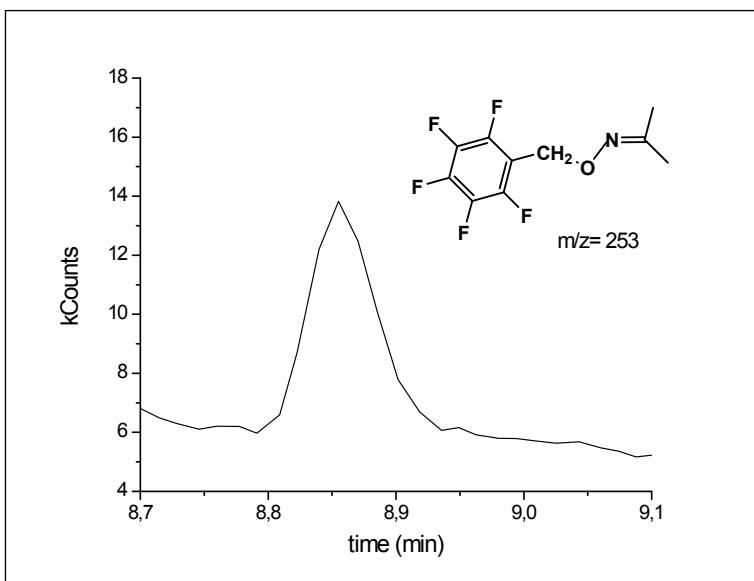
**Figure S1b:**Mass spectrum of acetoxime formed during reaction of  $\beta$ -ocimene and Cl atoms in air at 298 K and atmospheric pressure.



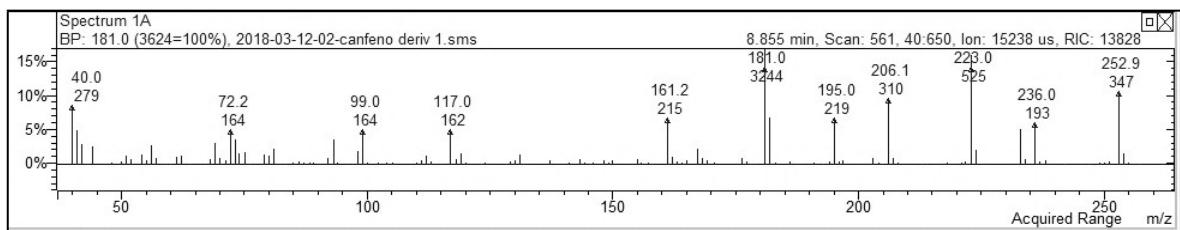
**Figure S2a:**GC chromatogram of formaldoxime formed during the reaction of camphene with Cl atoms in air at 298 K and atmospheric pressure



**Figure S2b:**Mass spectrum of formaldoxime formed during the reaction of camphene with Cl atoms in air at 298 K and atmospheric pressure



**Figure S3a:** GC chromatogram of acetoxime formed during the reaction of camphene and Cl atoms in air at 298 K and atmospheric pressure.



**Figure S3b:** Mass spectrum of acetoxime formed during reaction of camphene and Cl atoms in air at 298 K and atmospheric pressure.