

# Supplementary Information

## Identification of (1R, 2S)-Grandisal and (1R, 2S)-Grandisol in *Pissodes castaneus* Male-Produced Volatiles: Evidence of a Sex Pheromone

Francisco A. Marques,<sup>\*,a</sup> Scheila R. M. Zaleski,<sup>b</sup> Sonia M. N. Lazzari,<sup>b</sup>  
Gustavo Frensch,<sup>a</sup> Grece A. Senhorini,<sup>a</sup> Beatriz H. L. N. S. Maia,<sup>a</sup>  
Armin Tröger,<sup>c</sup> Wittko Francke,<sup>c</sup> Edson T. Iede<sup>d</sup> and Kenji Mori<sup>e</sup>

<sup>a</sup>Departamento de Química, Universidade Federal do Paraná, P.O. Box 19081, 81531-990 Curitiba-PR, Brazil

<sup>b</sup>Departamento de Zoologia, Universidade Federal do Paraná, P.O. Box 19020, 81531-980 Curitiba-PR, Brazil

<sup>c</sup>Institute of Organic Chemistry, University of Hamburg, Martin-Luther-King-Platz 6, D-20146, Hamburg, Germany

<sup>d</sup>Laboratório de Entomologia, Empresa Brasileira de Pesquisa Agropecuária, P.O.Box 319, 83411-000, Colombo-PR, Brazil

<sup>e</sup>Photosensitive Materials Research Center, Toyo Gosei Co., Ltd., 4-2-1 Wakahagi, Inzai-shi, Chiba 270-1609, Japan

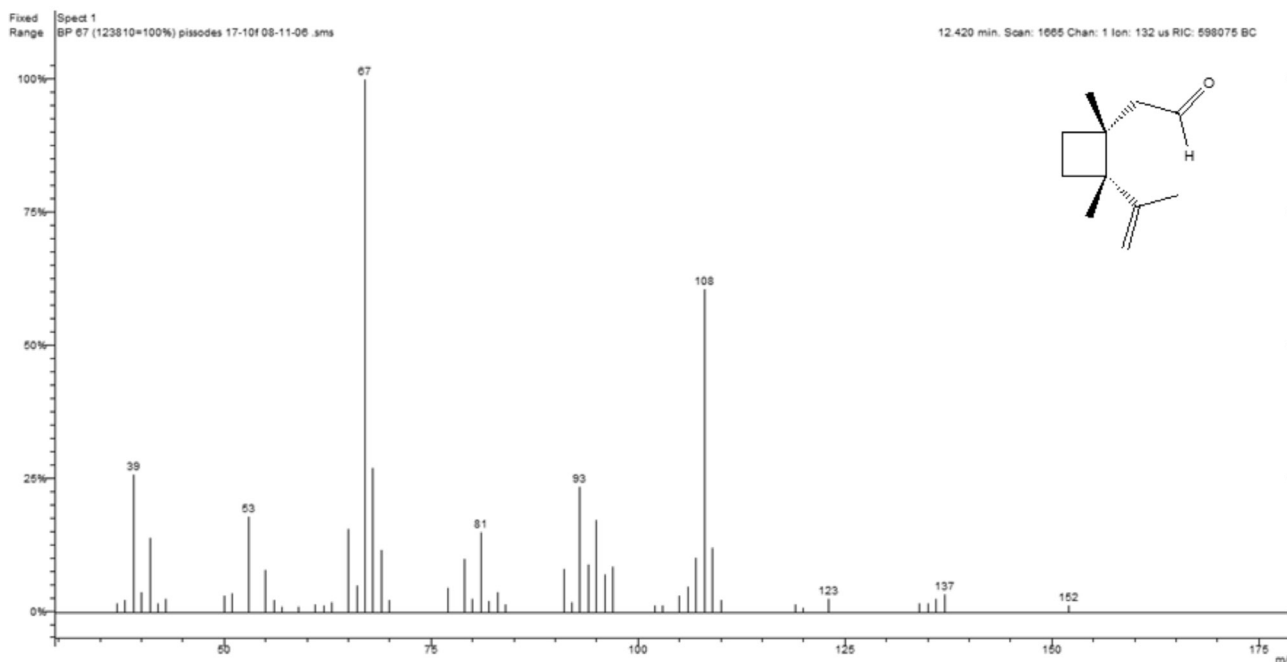
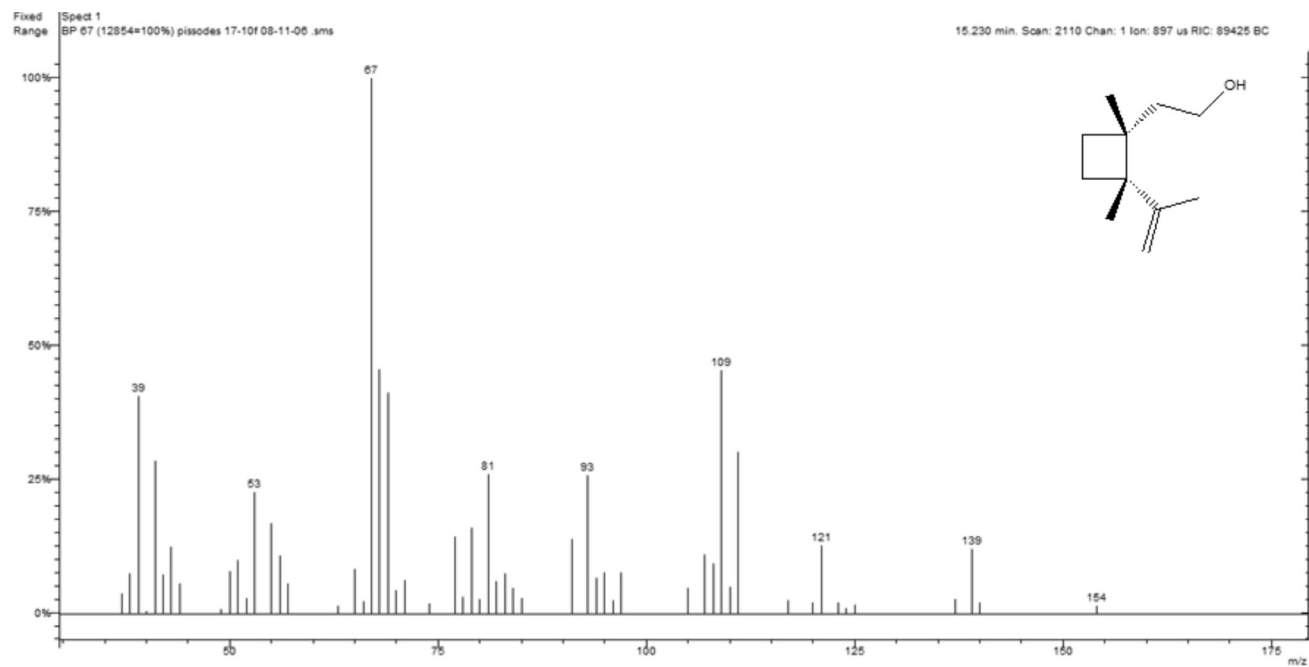


Figure S1. Mass spectrum of grandisal.



**Figure S2.** Mass spectrum of grandisol.