

Towards the identification of the alarm pheromone of the common wasp, *Vespula vulgaris*

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The venom of the queen common wasp, *Vespula vulgaris* was examined by Gas chromatography/electroantennographic detection (GC/EAD) and Gas Chromatograph/Mass Spectrometer (GC/MS). Two compounds from the queen venom consistently elicited an antennal response in both males and workers. The two compounds were synthesised and their identity positively confirmed by GC/MS analysis on two different capillary columns. One of these compounds is novel and described for the first time from any source. These compounds were tested in field trapping trials in a beech forest for the attraction and repulsion of social wasps. Results will be discussed in this presentation.

