豚草及三裂叶豚草挥发物成分的GC和GC/MS分析

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Abstract GC and GC/MS Analysis of Volatile of Ambrosia artemissifolia and A. trifida\$\$\$\$Wa ng Dali; Zhu Xinru(Research Center for Eco-Environment Science, Chinese Academy of Science s,Beijing, P. O. Box 2871, 100085, China)Abstract: Volatile of Ambrosia artemisiafolia and A. trifida was researched in this paper. Firstly, the absorbility of Amberlite XAD-4 and GDX 104 resins was compared. Wefound these two kinds resins had the same ability in absorbing volatile of A. artemissifolia and A. trifida, and all suit for allelopathy research. Secondly, the components of A. artemissifolia and A. trifida were analysed by GC and GC/MS methods. As a result, wefound their components were different although they were belong to the same Gunes Ambrosia. The major components of A. artemissifolia . volatile were α-pinene, β-pinene, bornylene and carene. Heptane, 2, 4-dimethyl, α-pinene, decane, 2, 6, 7-trimethyl, nonane, 5-methyl and bornylene were the components of A. trifida. Keyword: Volatile, Ambrosia artemissifolia, A. trifida, GC, GC/MS

Key words

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