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技术交流

油松叶与尖叶松叶挥发性化学成分的GC/MS分析

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摘要 采用水蒸汽蒸溜法分别提取油松叶与尖叶松叶挥发性化学成分,气相色谱法分离,质谱法鉴定结构。分别从油松叶和尖叶松叶挥发油中分离并确定出37种和34种化学成分,鉴定出的挥发性化学成分分别占挥发油总量的98.67% 和98.54%。用峰面积归一化法通过化学工作站数据处理系统，得出各化学成分在挥发油中的相对百分含量。

关键词 油松叶 尖叶松叶 挥发油 气相色谱-质谱法

分类号

Analysis of Volatile Constituents in Leaf of Yousong and Jianyesong by GC/MS

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Abstract The volatile componends in leaf of yousong and jianyesong were analyzed.The volatile componends in leaf of yousong and jianyesong were extracted by steam-distillation. The componends were separated by gas chromatography, and identified by mass spectrometry. The results show that 37 and 34 chemical components are identified, respectively. The contents of the identified compounds account for 98.67% and 98.54% in the total volatile substances detected, respectively. The relative contents of the compounds of the volatile oils are determined using the normalization method.

Key words leaf of yousong _ leaf of jianyesong _ volatile oil _ GC/MS

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