|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **compound** | **Functional group** | **Published kovats** | **Ms area %** | | | **FID ng/ul** | | | **Reference** |
| *T.patula* | *A.altissima* | *A. clematis* | *T.patula* | *A.altissima* | *A. clematis* |
| 2-pentenol | fatty alcohol | 744 | - | 0.551 | - |  |  |  |  |
| hexanal | fatty aldehyde | 801 | - | 0.812 | - | 0 | 21.5 | 0 |  |
| 2-hexenal | fatty aldehyde | 854 | 0.019 | - | - | 15.1 | 0 | 0 |  |
| 2-hexenol | fatty alcohol | 857 | - | 1.242 | - |  |  |  |  |
| (*E*)-3-hexenol | fatty alcohol | 857 | - | 0.720 | 0.036 | 0 | 21.3 | 3.8 |  |
| 4-methyloctane | alkane | 864 | 0.139 | - | - |  |  |  |  |
| (*Z*)-3-hexenol \* | fatty alcohol | 865 | 2.719 | 61.781 | 7.936 | 24.8 | 785.2 | 519.7 |  |
| 1-hexanol \* | fatty alcohol | 867 | 0.330 | 1.696 | 0.210 | 5.8 | 21.7 | 21.5 |  |
| p-xylene | aromatic | 889 | 0.161 | 0.190 | 0.022 |  |  |  |  |
| 2-heptanol | fatty alcohol | 890 | 0.093 | - | - |  |  |  |  |
| *α*-pinene | monoterpene | 937 | - | 0.086 | 1.063 |  |  |  |  |
| camphene | monoterpene | 953 | - | 0.243 | 1.658 | 0 | 0.7 | 3.7 |  |
| hexanoic acid | carboxylic acid | 961 | - | 0.265 | - |  |  |  |  |
| benzaldehyde | aromatic | 964 | 0.545 | 0.331 | 4.023 |  |  |  |  |
| sabinene | monoterpene | 972 | 0.085 | 0.119 | 0.470 |  |  |  |  |
| *β*-pinene | monoterpene | 981 | - | 0.133 | 0.846 |  |  |  |  |
| 3-octanone | ketone | 982 | - | - | 0.036 |  |  |  |  |
| sulcatone | ketone | 991 | 0.130 | - | - |  |  |  |  |
| *β*-myrcene | monoterpene | 992 | 0.035 | - | 1.039 | 20.5 | 0 | 15.5 |  |
| (*Z*)-3-hexenyl acetate \* | ester | 1001 | 0.019 | 7.740 | 7.314 | 11.6 | 3.7 | 124.6 |  |
| octanal | fatty aldehyde | 1003 | 0.030 | 0.085 | - | 0 | 9.9 | 0 |  |
| *α*-phellandrene | monoterpene | 1003 | 1.626 | - | 0.037 |  |  |  |  |
| o-methylanisole | ether | 1007 | - | - | 0.190 |  |  |  |  |
| 2-hexenyl acetate | ester | 1017 | - | 0.186 | - |  |  |  |  |
| 2-ethylhexanol | fatty alcohol | 1025 | 0.507 | 0.371 | - | 23.2 | 0.5 | 0 |  |
| limonene \* | monoterpene | 1027 | 2.474 | - | 1.288 |  |  |  |  |
| eucalyptol \* | monoterpenoid | 1032 | 2.728 | - | 1.544 | 1.2 | 0 | 7.6 |  |
| benzyl alcohol | aromatic | 1036 | - | 0.156 | - |  |  |  |  |
| (*Z*)-*β*-ocimene \* | monoterpene | 1037 | 10.271 | - | 9.881 | 90.2 | 0 | 39.5 |  |
| lavender lactone | lactone | 1041 | - | - | 0.107 | 0 | 0 | 156.4 |  |
| (E)-*β*-ocimene \* | monoterpene | 1050 | 1.152 | 0.350 | 1.626 | 9.8 | 16.6 | 17.0 |  |
| DMNT \* | monoterpene | 1089 | 2.685 | 2.065 | - | 2.7 | 11.9 | 0 |  |
| *α*-terpinolene | monoterpene | 1092 | 5.359 | - | - |  |  |  |  |
| methyl benzoate | ester | 1093 | - | 0.273 | - |  |  |  |  |
| linalool \* | monoterpenoid | 1101 | 0.707 | 0.159 | 1.446 | 6.7 | 0.4 | 23.7 |  |
| nonanal | fatty aldehyde | 1102 | - | 0.118 | - | 0 | 6.0 | 0 |  |
| p-mentha-1,5,8-triene | monoterpene | 1109 | 2.456 | - | 2.393 | 1.8 | 0 | 63.6 |  |
| 1,3,8-p-menthatriene | monoterpene | 1119 | 0.304 | - | 0.491 |  |  |  |  |
| cosmene | monoterpene | 1132 | 2.440 | - | 3.609 | 15.8 | 0 | 0 |  |
| allo-ocimene | monoterpene | 1132 | 0.444 | - | 2.363 |  |  |  |  |
| myroxide | monoterpenoid | 1138 | 4.207 | - | - | 55.6 | 0 | 0 |  |
| camphor | monoterpene | 1142 | - | - | 4.448 | 0 | 0 | 80.7 |  |
| o-dimethoxybenzene | ether | 1146 | - | - | 0.132 |  |  |  |  |
| p-mentha-1,5-dien-8-ol | monoterpenoid | 1170 | 0.565 | - | 1.816 | 4.1 | 0 | 12.8 |  |
| (*E*)-p-mentha-1(7),8-dien-2-ol | monoterpenoid | 1185 | 0.138 | - | - |  |  |  |  |
| p-cymen-8-ol | monoterpenoid | 1189 | 0.618 | - | - |  |  |  |  |
| *α*-terpineol | monoterpenoid | 1190 | - | - | 0.345 |  |  |  |  |
| methyl salicylate \* | ester | 1192 | 2.344 | 10.129 | - | 9.3 | 17.5 | 0 |  |
| decanal | fatty aldehyde | 1207 | - | 0.123 | - |  |  |  |  |
| (*E,E*)-2,6-dimethyl-3,5,7-octatriene-2-ol | monoterpenoid | 1209 | 3.717 | - | 3.860 |  |  |  |  |
| trans-2-caren-4-ol | monoterpenoid | 1222 | 3.566 | 0.099 | 4.014 |  |  |  |  |
| piperitone \* | monoterpenoid | 1251 | 3.530 | - | - | 117.2 | 0 | 0 |  |
| bornyl acetate | ester | 1285 | - | - | 4.311 | 0 | 0 | 60.5 |  |
| indole | N-heterocyclic compound | 1300 | - | 0.095 | - |  |  |  |  |
| (*Z*)-3-hexenyl tiglate | ester | 1322 | - | 0.214 | - |  |  |  |  |
| myrtenyl acetate | ester | 1335 | - | - | 0.488 |  |  |  |  |
| piperitenone | monoterpenoid | 1340 | 0.386 | - | - |  |  |  |  |
| *α*-cubebene | sesquiterpene | 1348 | - | - | 1.068 |  |  |  |  |
| *α*-copaene \* | sesquiterpene | 1375 | 0.209 | - | 1.029 | 1.9 | 0 | 7.9 |  |
| *β*-isocomene | sesquiterpene | 1384 | 0.245 | - | - |  |  |  |  |
| *β*-elemene | sesquiterpene | 1392 | 1.409 | - | - |  |  |  |  |
| α-cedrene | sesquiterpene | 1398 | 0.178 | - | - |  |  |  |  |
| (*Z*)-jasmone | ketone | 1400 | 0.254 | 0.390 | - |  |  |  |  |
| *β*-caryophyllene \* | sesquiterpene | 1418 | 26.678 | 1.417 | 9.209 | 504.3 | 4.7 | 151.3 |  |
| linalyl butyrate | monoterpenoid | 1422 | 0.191 | - | - |  |  |  |  |
| *α*-caryophyllene | sesquiterpene | 1452 | 0.487 | 0.275 | 1.178 |  |  |  |  |
| *β*-elemene | sesquiterpene | 1452 | - | - | 3.432 |  |  |  |  |
| *β*-farnesene | sesquiterpene | 1459 | 4.820 | - | - |  |  |  |  |
| *α*-curcumene | sesquiterpene | 1484 | 0.173 | - | - |  |  |  |  |
| germacrene d | sesquiterpene | 1485 | 4.062 | 2.507 | 14.376 | 44.7 | 7.6 | 328.1 |  |
| *α*-farnesene | sesquiterpene | 1507 | - | 3.904 | - |  |  |  |  |
| *β*-bisabolene | sesquiterpene | 1511 | 0.267 | - | - |  |  |  |  |
| *β*-cadinene | sesquiterpene | 1515 | - | 0.091 | - |  |  |  |  |
| *δ*-cadinene | sesquiterpene | 1521 | - | - | 0.298 |  |  |  |  |
| *γ*-cadinene | sesquiterpene | 1524 | - | - | 0.369 |  |  |  |  |
| (*Z*)-3-hexenyl benzoate | ester | 1571 | - | 0.542 | - |  |  |  |  |
| dendrolasin | monoterpenoid | 1581 | 1.787 | - | - | 12.5 | 0 | 0 |  |
| caryophyllene oxide | sesquiterpenoid | 1589 | 0.314 | - | - |  |  |  |  |
| methyl jasmonate | ester | 1644 | 0.201 | - | - |  |  |  |  |
| neophytadiene | diterpene | 1837 | 1.982 | - | - |  |  |  |  |