

CoreFocus
Report

No.476

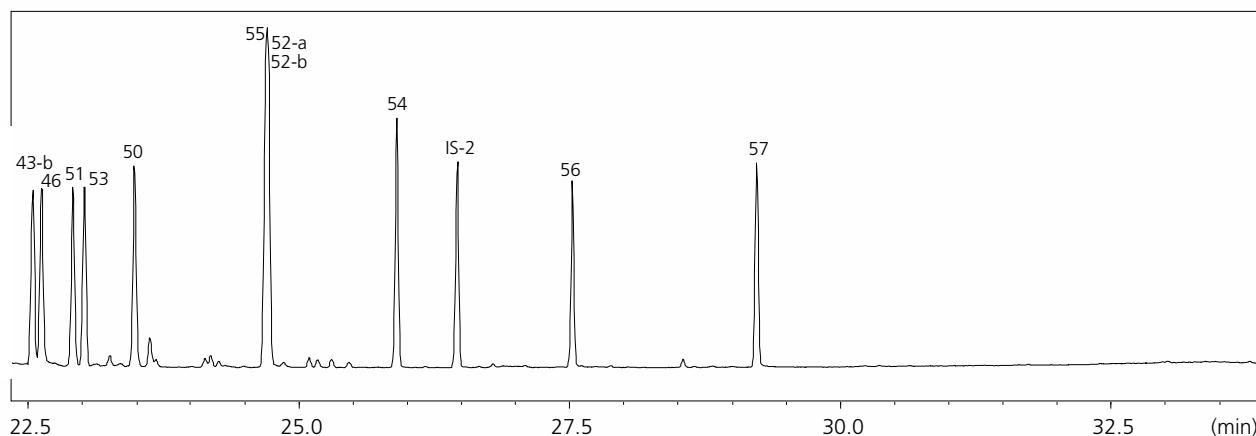
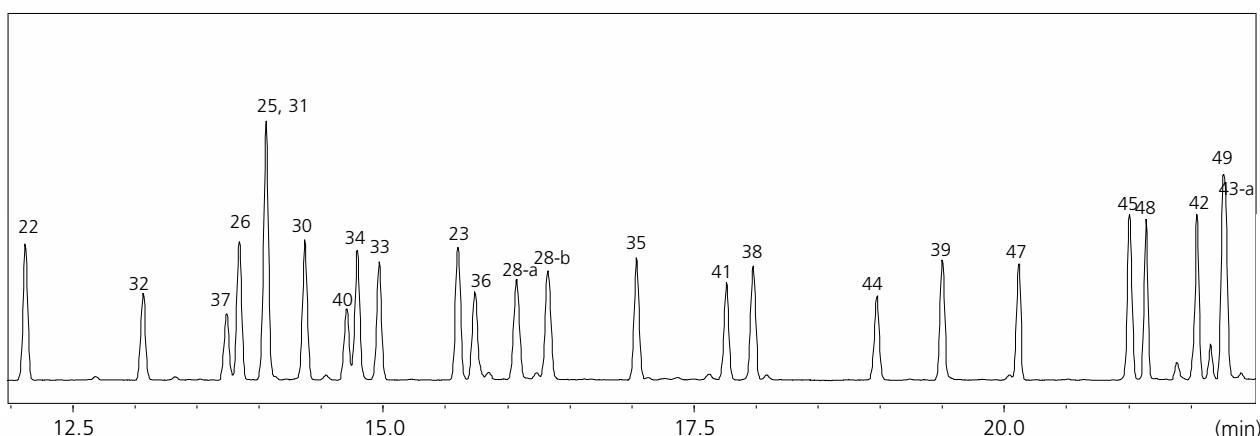
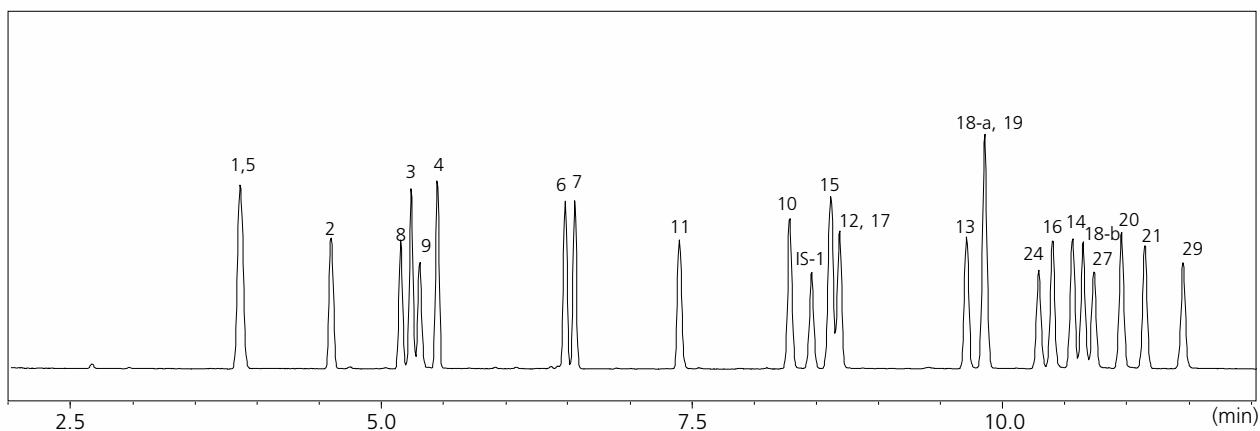
GC-MS

SH Series

SH-1

Analysis of Fragrance Allergens

Keywords: EC 1223/2009, G/TBT/N/EU/ 924, IFRA



| ID | Compounds |
|------|--------------------------------|
| 1 | α -Pinene |
| 2 | β -Pinene |
| 3 | α -Terpinene |
| 4 | Limonene |
| 5 | Benzaldehyde |
| 6 | Terpinolene |
| 7 | Linalool |
| 8 | Benzyl alcohol |
| 9 | Salicylaldehyde |
| 10 | Menthol |
| 11 | Camphor |
| 12 | α -Terpineol |
| 13 | Citronellol |
| 14 | Linalyl acetate |
| 15 | Methyl 2-octenoate |
| 16 | Geraniol |
| 17 | Methyl salicylate |
| 18-a | Neral |
| 18-b | Geranial |
| 19 | Carvone |
| 20 | Hydroxycitronellal |
| 21 | trans-Anethole |
| 22 | Dimethylbenzylcarbinyl acetate |
| 23 | β -Caryophyllene |
| 24 | Cinnamaldehyde |
| 25 | Geranyl acetate |
| 26 | δ -Damascone |
| 27 | Anise alcohol |
| 28-a | Ebanol 1 |
| 28-b | Ebanol 2 |
| 29 | Cinnamyl alcohol |
| 30 | α -Damascone |

| ID | Compounds |
|------|--|
| 31 | β -Damasconone |
| 32 | Eugenol |
| 33 | β -Damascone (E) |
| 34 | Trimethyl-benzenepropanol |
| 35 | α -Isomethylionone |
| 36 | Isoeugenol |
| 37 | Vanillin |
| 38 | Butylphenyl methylpropional |
| 39 | Amyl salicylate |
| 40 | Coumarin |
| 41 | Eugenyl acetate |
| 42 | β -Tetramethylacetylloctahydronaphthalene |
| 43-a | α -Santalol |
| 43-b | β -Santalol |
| 44 | 3-Propylidene phthalide |
| 45 | α -Amyl cinnamaldehyde |
| 46 | trans,trans-Farnesol |
| 47 | Isoeugenyl acetate |
| 48 | Hydroxyisohexyl 3-cyclohexene carboxaldehyde (major) |
| 49 | α -Amylcinnamyl alcohol |
| 50 | α -Acetyl cedrene |
| 51 | α -Hexylcinnamaldehyde |
| 52-a | Galaxolide 1 |
| 52-b | Galaxolide 2 |
| 53 | Benzyl benzoate |
| 54 | Hexadecanolactone |
| 55 | Benzyl salicylate |
| 56 | Benzyl cinnamate |
| 57 | Sclareol |

GC-MS System : GCMS-QP™ 2020 NX
 Column : SH-1
 (30 m x 0.25 mm I.D., 0.25 μ m) , P/N : 221-75719-30

[GC]
 Injection Method : Split
 Injection Volume : 1 μ L
 Injector Temperature : 280°C
 Carrier Gas : He
 Carrier Gas Control : Linear velocity (40 cm/s)
 Column Temperature : 80°C (4 min) -15°C/min -105°C (2 min) - 4°C/min - 150°C (1 min) - 10°C/min - 280°C (2 min)

[MS]
 Ionsource Temp. : 200°C
 Interface Temp. : 280°C
 Emission Current : 20 μ A

Source : Application News 01-00526 ([JP](#), [ENG](#))

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