

**CoreFocus**  
**Report**

**No.474**

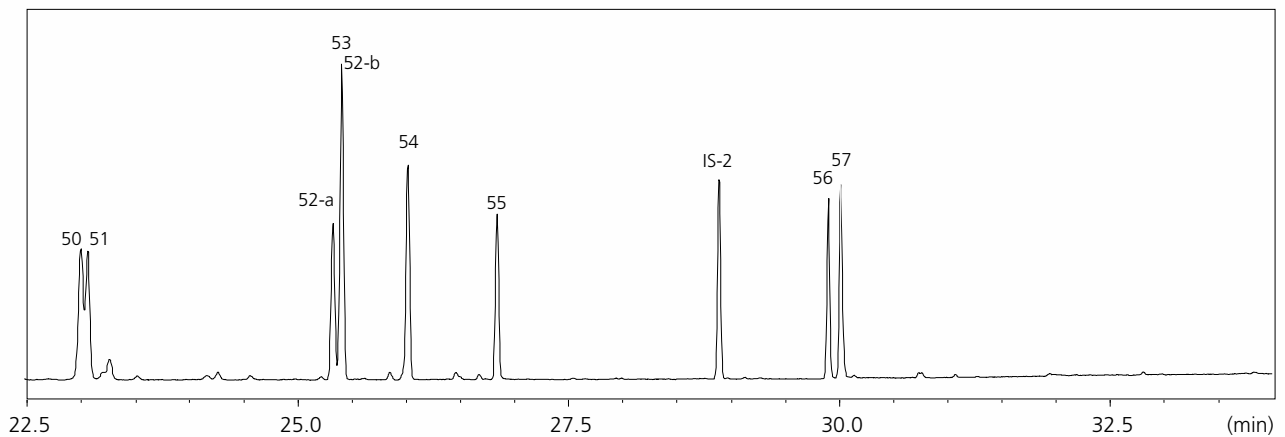
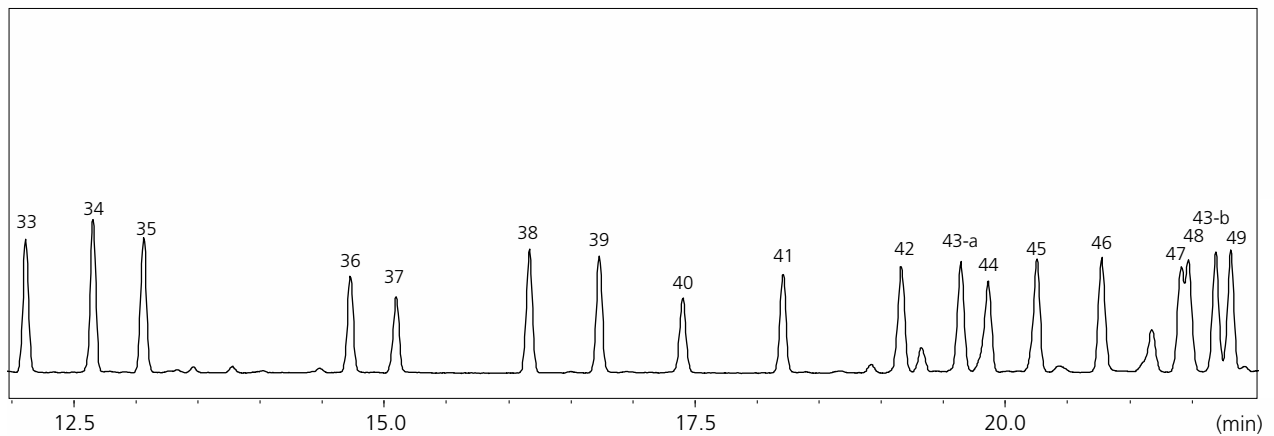
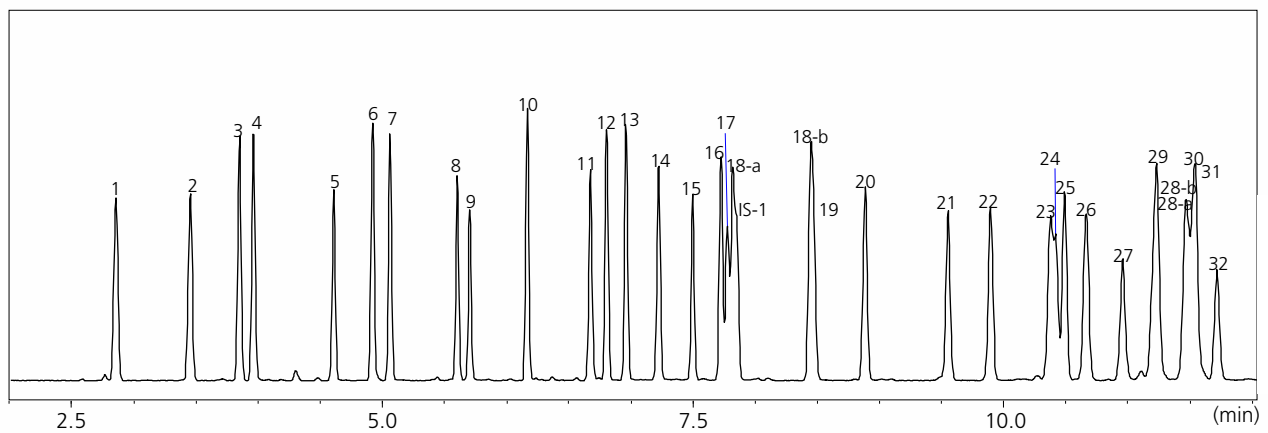
GC-MS

SH Series

**SH-I-17**

**Analysis of Fragrance Allergens**

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



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

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

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GC-MS System	: GCMS-QP™ 2020 NX
Column	: SH-I-17 (30 m x 0.25 mm I.D., 0.25 $\mu$ m), P/N : 221-75907-30
[GC]	
Injection Method	: Split
Injection Volume	: 1 $\mu$ L
Injector Temperature	: 280 °C
Carrier Gas	: He
Carrier Gas Control	: Linear velocity (40 cm/s)
Column Temperature	: 80°C (1 min) -10°C/min -135°C (2 min) - 3°C/min - 170°C (1 min) - 10°C/min - 280°C (2 min)
[MS]	
Ion source Temp.	: 200°C
Interface Temp.	: 280°C
Emission Current	: 20 $\mu$ A

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

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