

Concentration and Analysis of Flavor Components of Fabric Softeners - Using MonoTrap Simple Enrichment Tools

MonoTrap RGC18TD, a simple enrichment tool was used to screen and analyze the flavor components in fabric softeners. MonoTrap RGC18TD is a dedicated heat-desorption type MonoTrap, it is packaged individually in ampoules and does not require conditioning before use.

Preliminary processing procedure

Fabric softener

Place 10 mL in a 40 mL vial

GC Conditions

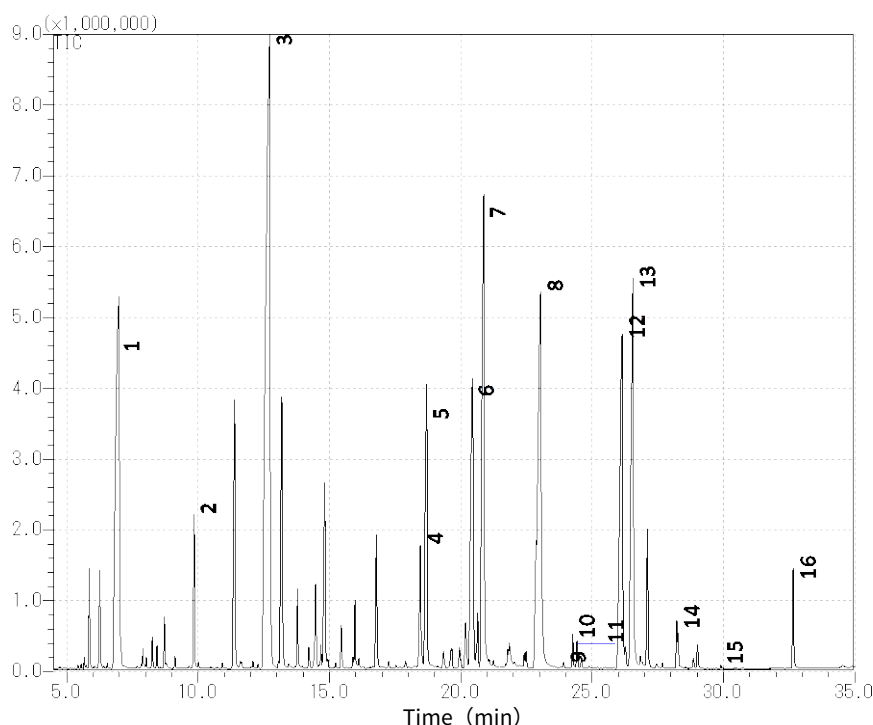
System : GC - MS - Thermal Desorption
Column : InertCap Pure-WAX
 0.25 mm I.D. x 30 m, df = 0.25 µm
Col.Temp. : 40 °C(3 min) - 6 °C/min - 250 °C
Carrier Gas : He 1 mL/min (constant flow)

Collection (HS)
One MonoTrap RGC18TD

37 °C for 2 h

Desorb Temp. : 200 °C
Time : 5 min
Mode : Split (Split ratio 5:1)
Cryo Trapping : -150 °C
Injection Temp. : 250 °C
Detection : MS Scan (*m/z*: 29- 600)

TD/GC/MS



- | | |
|----------------------------------|--|
| 1. Limonene | 9. 1-Isobutyl-4-(1-methyl-2-propenyl)benzene |
| 2. <i>cis</i> -3-Hexenyl Acetate | 10. γ -Decalactone |
| 3. 3,7-Dimethyl-3-octanol | 11. Ambrox |
| 4. Geraniol acetate | 12. Muskalactone |
| 5. Citronellol | 13. Methyl dihydrojasmonate |
| 6. Jasmacyclene | 14. 5-Cyclohexadecenone |
| 7. Phenethyl alcohol | 15. Vanillin |
| 8. Lilial | 16. Benzyl salicylate |

※According to library search results

Products

Absorbent

Description : MonoTrap RGC18TD

Cat.No. : 1050-74201

* Shipped in ample tube.



MonoTrap RGC18TD



MonoTrap Trial Kit for TD

Contents	Cat.No.
● MonoTrap TD 10 pcs (Select one from 3 types as below) MonoTrap RSC18 TD, RGC18 TD, RGPS TD ● Glass Tube 1 pc (Select a tube for OPTIC / LINE, or for T-Dex / ATD / TD-20) ● MT Holder 1 pc ● CLEAN PIN HOLE SEPTUM WITH VIAL 1 pc	1050-07800

GC Capillary Columns

Description : InertCap Pure-WAX

Size : 0.25 mm I.D. × 30 m, df = 0.25 μm

Cat.No. : 1010-68142



InertCap Pure-WAX

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