

Easy Concentration & Analysis of Cigarettes by MonoTrap - Thermal Desorption

Screening analysis of cigarettes' compounds using MonoTrap RGC18TD containing graphite carbon. No need for pre-conditioning with MonoTrap for TD.

Protocol

2pcs of Cigarettes, 2
different kinds

Unwrap the cigarettes and put the leaves into a vial

Head Space Sampling
MonoTrap RGC18TD x1 pcs

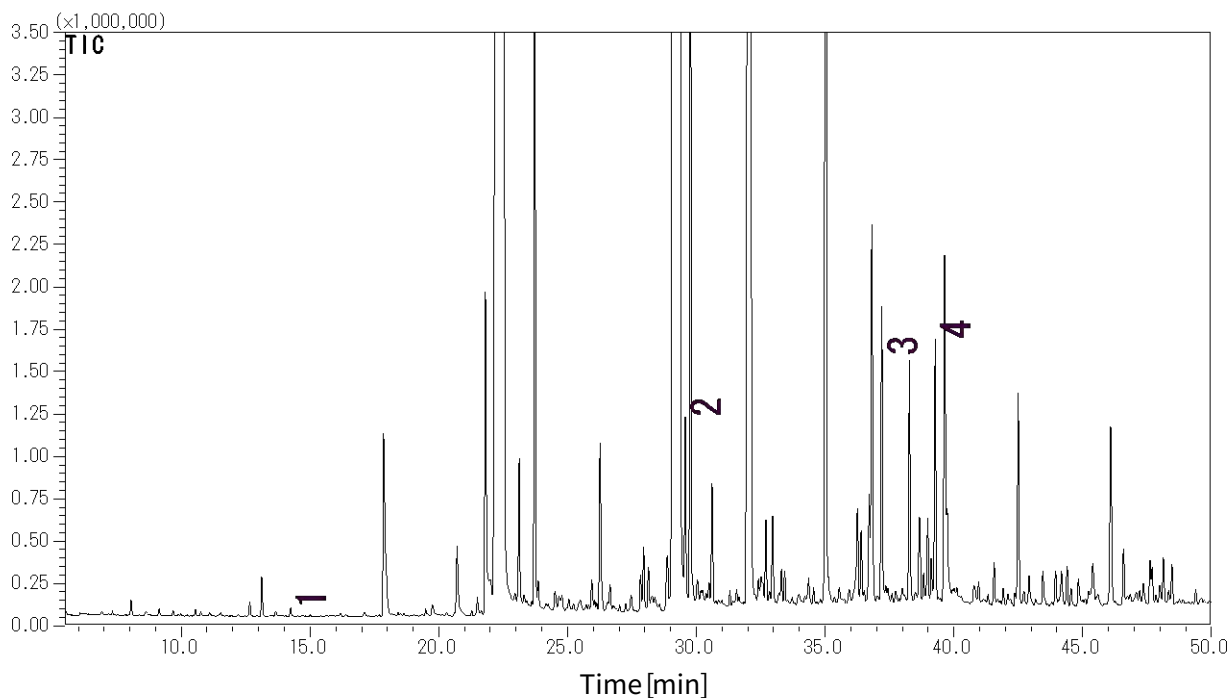
At 60 °C for 90 mins

TD/GC/MS

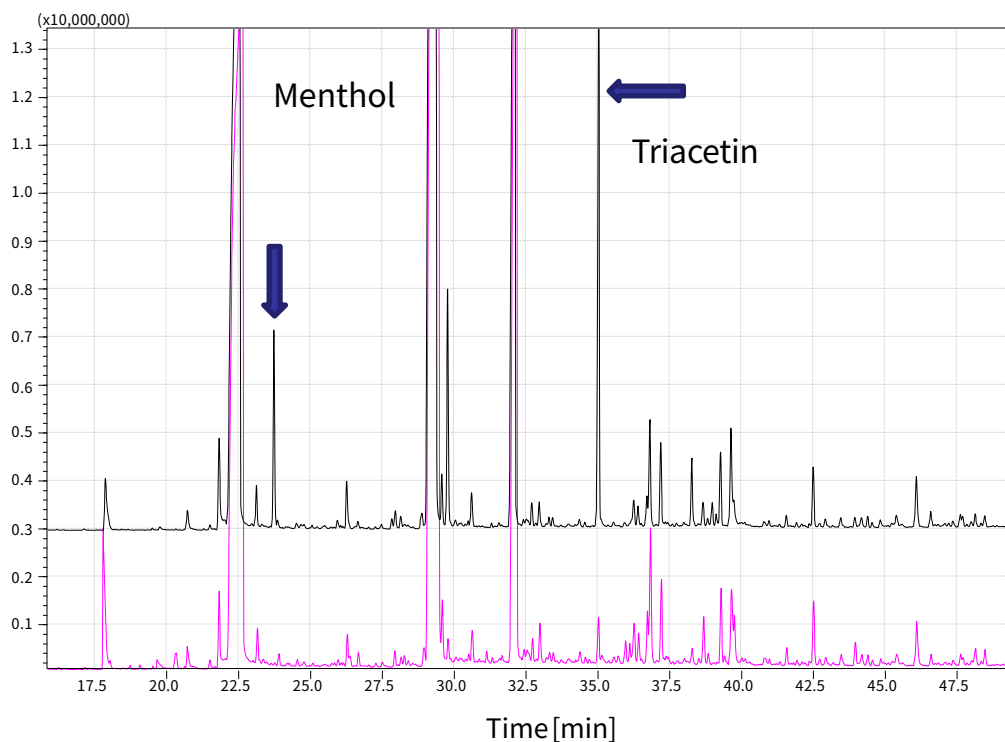


Trapping image

Cigarette A



1. 6-Methyl-5-heptene-2-one
2. *trans*-Geranylacetone
3. Megastigmatrienone
4. Megastigmatrienone



Cigarette A

Cigarette B

GC Conditions

System : GC/MS-Thermal Desorption (T-Dex II)
Column : InertCap Pure-WAX
 0.25 mm I.D. × 30 m, df = 0.25 μm
Col.Temp. : 40 °C (5 min) - 4 °C/min- 250 °C
Carrier Gas : He 1mL/min (constant flow)

Desorb Temp. : 200 °C
Time : 5 min
Flow : 2 mL/min
Split : Splitless
Cryo Trapping : -160 °C
Injection Temp. : 250 °C
Detection : MS Scan (m/z 40 - 600)

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

GL Sciences Inc. Japan

22-1 Nishishinjuku 6-chome
Shinjuku-ku, Tokyo
163-1130, Japan

Phone: +81-3-5323-6620
Fax: +81-3-5323-6621
Email: world@glsc.co.jp
Web: www.glsciences.com

GL Sciences Inc. USA

4733 Torrance Blvd. Suite 255
Torrance, CA 90503
USA

Phone: +1-310-265-4424
Fax: +1-310-265-4425
Email: info@glsciencesinc.com
Web: www.glsciencesinc.com

GL Sciences B.V.

Dillenburgstraat 7C
5652AM, Eindhoven
The Netherlands

Phone: +31-40-254-9531
Email: info@glsciences.eu
Web: www.glsciences.eu

GL Sciences (Shanghai) Limited

Tower B, Room 2003
Far East International Plaza
No.317 Xianxia Road, Changning District
Shanghai, China 200051

Phone: +86-21-62782272
Email: contact@glsciences.com.cn
Web: www.glsciences.com.cn



International Distributors

Visit our Website at www.glsciences.com/distributors