Protocol

Sample

← Red Wine 20ml

HS Sampling

← MonoTrap®;DCC18 1pcs
@ 60℃、**30 mins**

Solvent Extraction

← Dichloromethane 300uL,
Ultrasonication 5mins

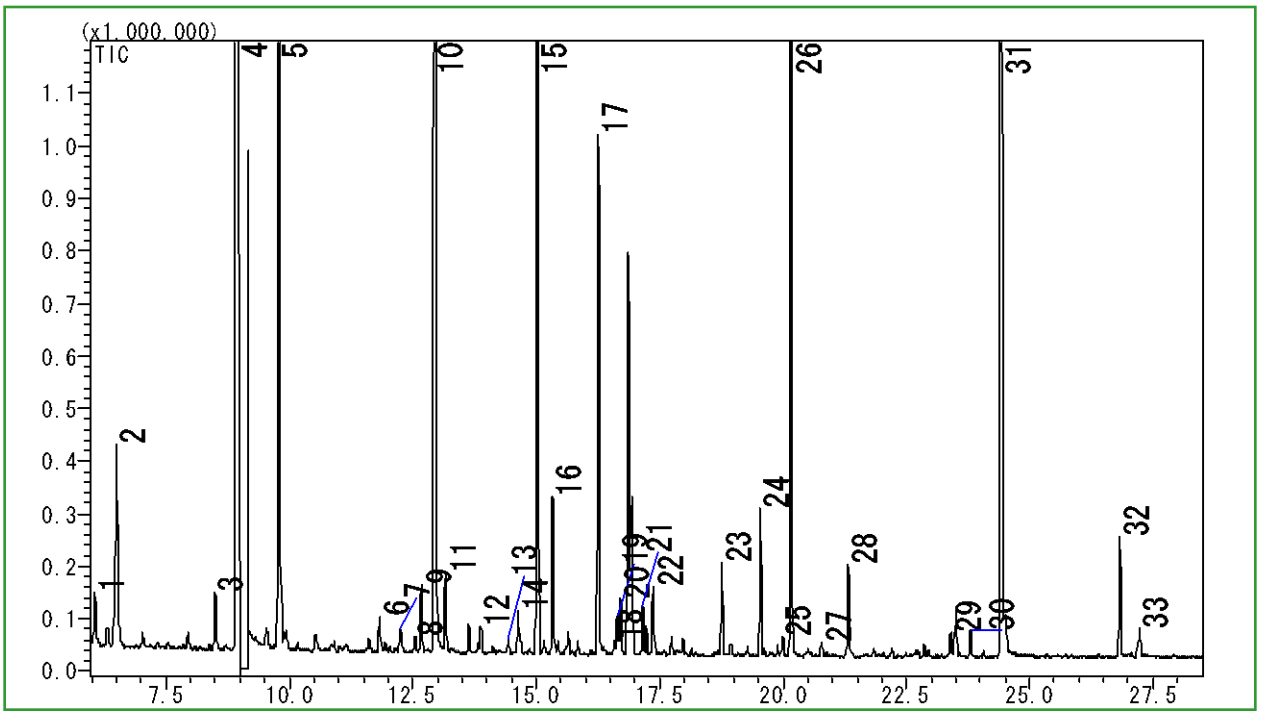
GC/MS

③MT Extract Cup with Vial
(Start UP-Kit)

GC Condition

System :SHIMADZU GC-2010、GCMS-QP2010
Column :InertCap Pure-WAX(Cat.1010-68142)
0.25mmI.D.×30m df=0.25μ m
Column Temp :40℃(5min)→6℃/min→250℃(5min)
Carrier Gas :He 95kPa
Injection :Split /Splitless,1uL
250℃
Detection :MS Scan (m/z;55-400)

Ultra inert WAX column **InertCap Pure-WAX** is highly recommended to analyze aromatic compounds together with **MonoTrap®**



1 2,2,6-Trimethyl-6-vinyltetrahydropyran
2 Isoamyl acetate
3 Limonene
4 1-Pentanol
5 Ethyl hexanoate
6 Maleic anhydride
7 3-Methylpentanol
8 1,1-Dimethoxy-2-propanol
9 Ethyl 2-hexenoate
10 1-Hexanol
11 cis-3-Hexen-1-ol
12 Nonanal
13 cis-2-Hexen-1-ol
14 Ethyl 2-hydroxy-3-methylbutanoate
15 Ethyl octanoate
16 Furfural
17 2-Ethyl-1-hexanol
18 Benzaldehyde
19 3-Ethyl-4-methylpentanol
20 2-Bornene
21 n-Propyl propionate
22 Ethyl dl-2-hydroxycaproate
23 β -Cyclocitral
24 Ethyl decanoate
25 α -D-Galactopyranose methyl glycoside
26 Diethyl succinate
27 3-(Methylthio)-1-propanol
28 1,5,8-Trimethyl-1,2-dihydronaphthalene
29 Hexanoic acid
30 Benzyl Alcohol
31 Phenylethyl Alcohol
32 Diethyl dl-malate
33 Octanoic Acid

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Structures are created using Chemistry 4-D Draw which is provided by ChemInnovayion Software, Inc.