

Table III: Instrumental conditions

Item	Manual Injection	Automated Injection
Gas chromatograph	HP 5890	Agilent 6890
Detector	FID	MS (Wilmington, DE), Agilent 5973
Column	30 m widebore	30 m HP-5 MS
Data System	SP 4290 integrator Thermo (Sunnyvale, CA)	PC with Agilent ChemStation software
Microsyringe	Hamilton 7002, 2 μ L and 7105, 5 μ L. Type: sample contained in needle; point #2	Hamilton 1701, 10 μ L, gas tight Needle point #2
GC Temperatures ($^{\circ}$ C)		
Injection	250	250
Detector	250	280
GC Split ratio	5:1	10:1
Automation	N/A	CTC Analytics Combi PAL Sample vial, 20 mL Sample size, 10 mL Wash with NMP, 3 times, 6 μ L Sample temp.: 60 $^{\circ}$ C Stirring rate: 750 rpm Equil. time: 30 min. Drop volume: 1.0 μ L Filling Strokes: 3 Rate of drop expulsion: 0.2 μ L/s Extraction time: 5 min. Drop volume retracted: 1.2 μ L