A

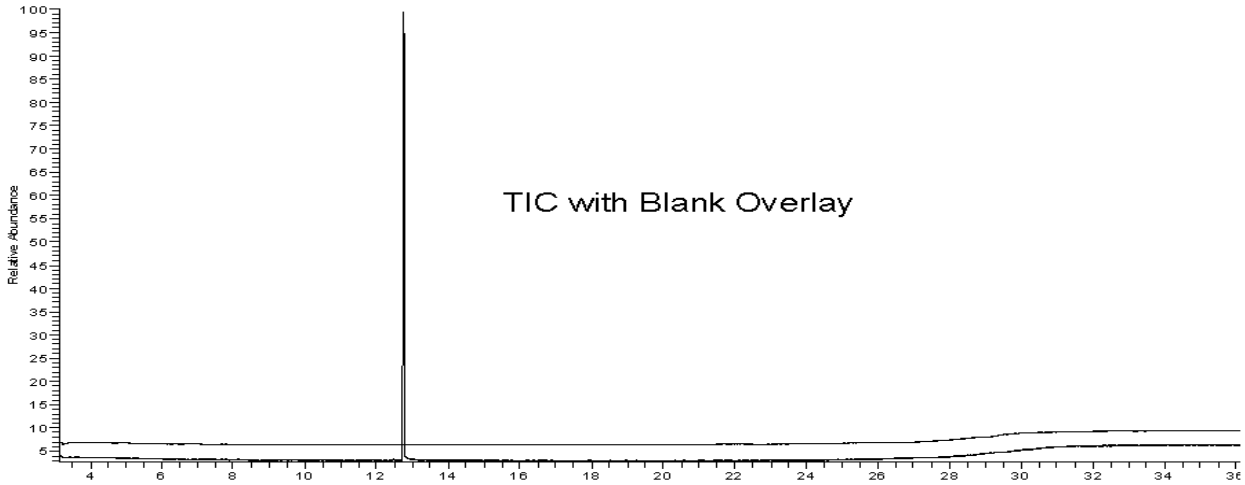
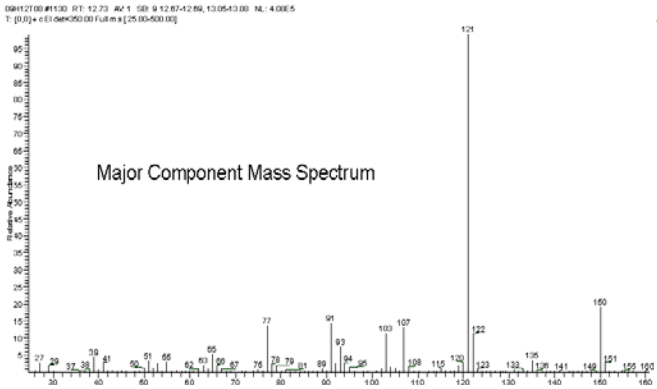
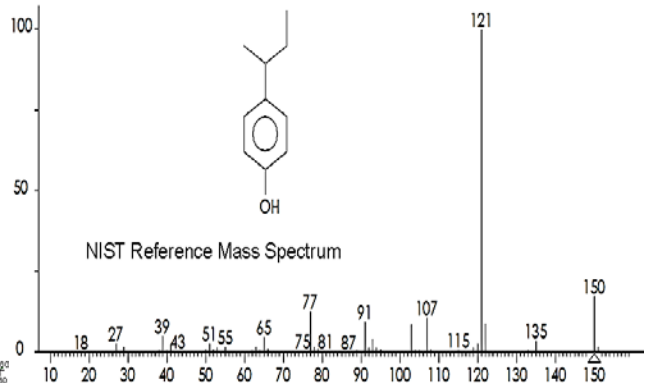
Chemical Information:

Name:	Phenol, 4-(1-methylpropyl)-			Date of Analysis: 12 August 2009
CAS No.:	99-71-8	Supplier:	Sigma-Aldrich	
Tox21_ID No.:	Tox21_200416	Lot No.:	08704MD	
NTP_CID No.:	2398	MW:	150.22 g/mol	

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area)[a]
Phenol, 4-(1-methylpropyl)-	12.77	100.00

[a] Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-µm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008