

Chemical Information:

Name: 2-Bromoacetophenone
CAS No.: 70-11-1 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_202941 Lot No.: 1279526V
NTP_CID No.: 6564 MW: 199.04 g/mol

Date of Analysis: 04 January 2017

Purity and Identity Results:

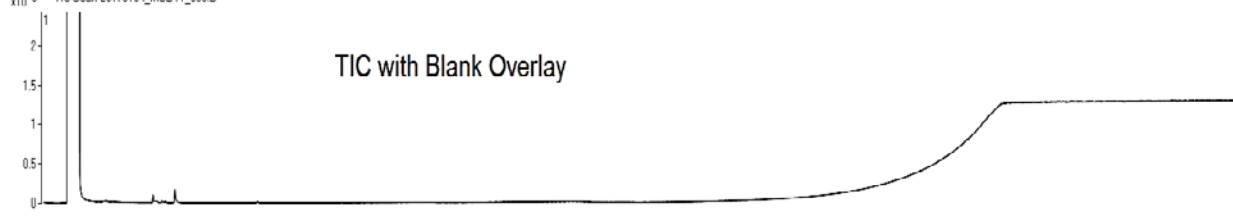
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	15.16	2.00
Unknown	21.75	2.14
2-Bromoacetophenone	24.01	95.61

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

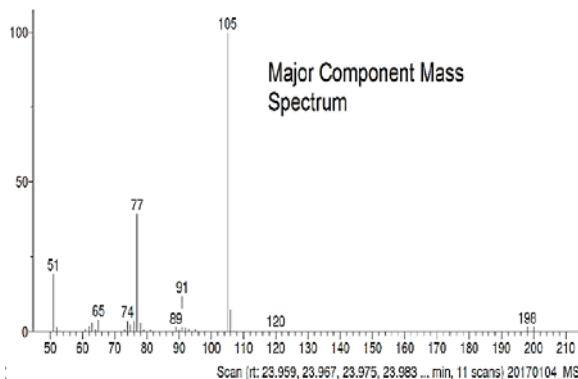
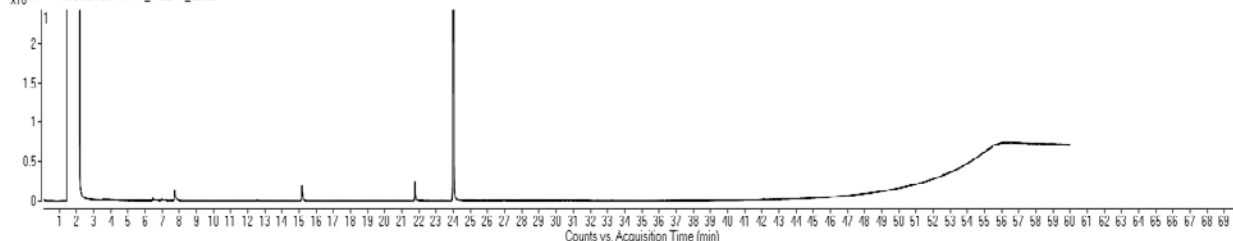
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 15 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	50 – 400 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2f Build 2014

x10⁶ • TIC Scan 20170104_MSD11_003.D



TIC with Blank Overlay

x10⁶ • TIC Scan 20170104_MSD11_028.D



Major Component Mass Spectrum

Hit 1: Ethanone, 2-bromo-1-phenyl-
C8H7BrO; MF: 950; RMF: 950; Prob 53.3%; CAS: 70-11-1; Lib: mainlib; ID: 66800.

NIST Reference Mass Spectrum

