

### Chemical Information:

Name: 1,4-Dibromobenzene  
CAS No.: 106-37-6  
Tox21\_ID No.: Tox21\_201288  
NTP\_CID No.: 2150

Supplier: Sigma-Aldrich  
Lot No.: 05203JH  
MW: 235.90 g/mol

Date of Analysis: 14 June 2016

### Purity and Identity Results:

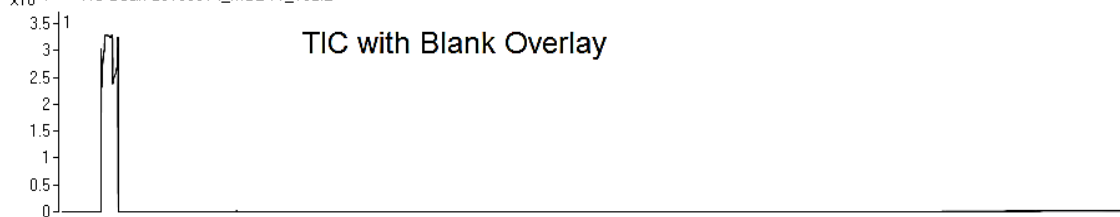
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
1,4-Dibromobenzene	21.81	99.89

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

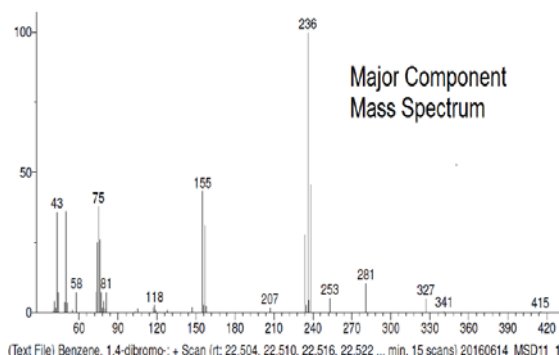
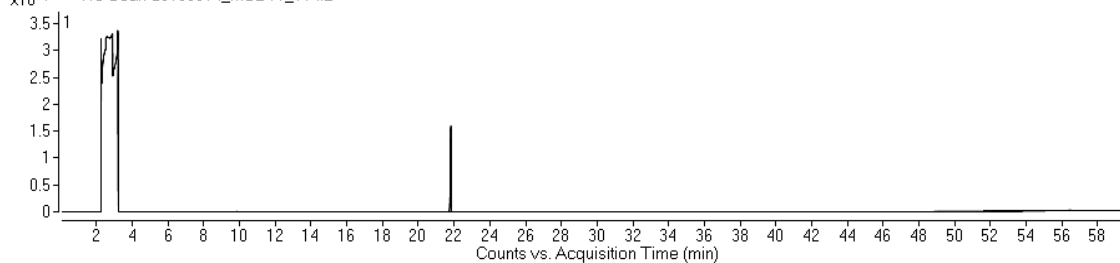
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014

x10<sup>7</sup> + TIC Scan 20160614\_MSD11\_102.D



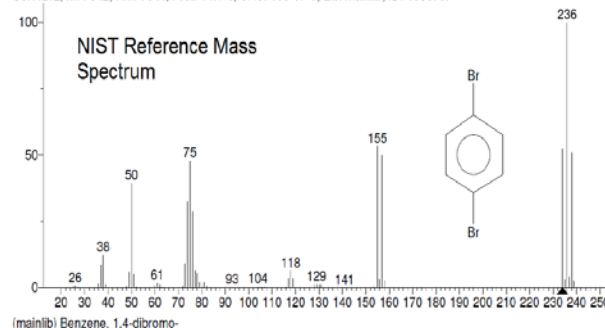
TIC with Blank Overlay

x10<sup>7</sup> + TIC Scan 20160614\_MSD11\_114.D



(Text File) Benzene, 1,4-dibromo- + Scan (t: 22.504, 22.510, 22.516, 22.522 ... min, 15 scans) 20160614\_MSD11\_114.D Subtract

Hit 1: Benzene, 1,4-dibromo-  
C6H4Br2; MF: 842; RMF: 911; Prob 41.1%; CAS: 106-37-6; Lib: mainlib; ID: 160673.



(mainlib) Benzene, 1,4-dibromo-