

User: Vinci, David L  
 Westchester Dept. of Labs & Research  
 Date: 04/18/2002 Time: 14:15:17

Sample: AE07771  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 4/18/2002 14:14 Ended: 4/18/2002 14:14 Analyst: DLV  
 Page: 1

|   | Component Name          | Viol | Result | MDL |
|---|-------------------------|------|--------|-----|
| 1 | Other unknown compounds |      | .      |     |
| 2 | Surr_2,4-DDD            |      | 99     | 5.0 |

**Comments for Sample AE07771 - Analysis \$GCMS**

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-18-2002 Time: 14:15:42

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020404\07771.D Vial: 25  
Acq On : 5 Apr 2002 5:17 am Operator: Nefliu  
Sample : sample Inst : Instrumen  
Misc : Multiplr: 1.00  
MS Integration Params: EVENTS.E  
Quant Time: Apr 05 14:35:13 2002 Quant Results File: SCAN020403.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
Title : Method 508 GC/MS Scan  
Last Update : Fri Apr 05 14:03:06 2002  
Response via : Initial Calibration  
DataAcq Meth : 508SCAN1

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 10.66 | 152  | 2543024  | 20.00 | ug/l  | 0.00     |
| 10) Naphthalene-d8        | 15.77 | 136  | 9389718  | 20.00 | ug/l  | 0.00     |
| 17) Acenaphthene-d10      | 23.66 | 164  | 5424138  | 20.00 | ug/l  | -0.01    |
| 31) Phenanthrene-d10      | 30.89 | 188  | 8885039  | 20.00 | ug/l  | 0.00     |
| 39) Chrysene-d12          | 39.09 | 240  | 6923537  | 20.00 | ug/l  | -0.02    |
| 45) Perylene-d12          | 42.30 | 264  | 3735003  | 20.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|               |       |     |          |      |        |      |
|---------------|-------|-----|----------|------|--------|------|
| 28) TCMX      | 26.73 | 207 | 210348   | 3.96 | ug/l   | 0.00 |
| Spiked Amount | 4.000 |     | Recovery | =    | 99.00% |      |

## Target Compounds

Qvalue

-----  
(#) = qualifier out of range (m) = manual integration (+) = signals summed  
07771.D SCAN020403.M Fri Apr 05 14:35:31 2002 Page 1

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020404\07771.D

Acq On : 5 Apr 2002 5:17 am

Sample : sample

Misc :

MS Integration Params: EVENTS.E

Quant Time: Apr 5 14:35 2002

Vial: 25

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

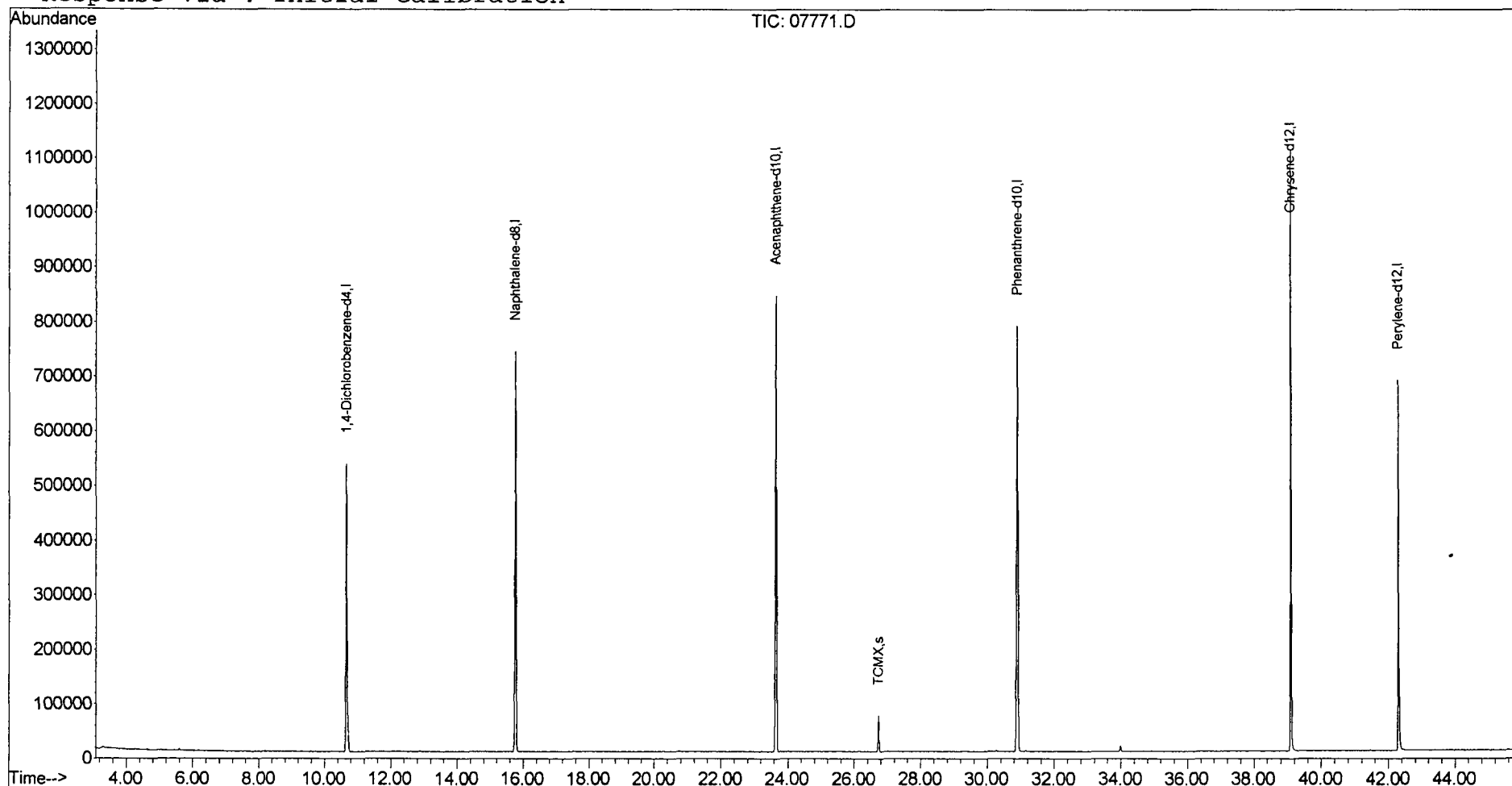
Quant Results File: SCAN020403.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Fri Apr 05 14:03:06 2002

Response via : Initial Calibration



## LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020404\07771.D

Acq On : 5 Apr 2002 5:17 am

Sample : sample

Misc :

MS Integration Params: LSCINT.e

Vial: 25

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

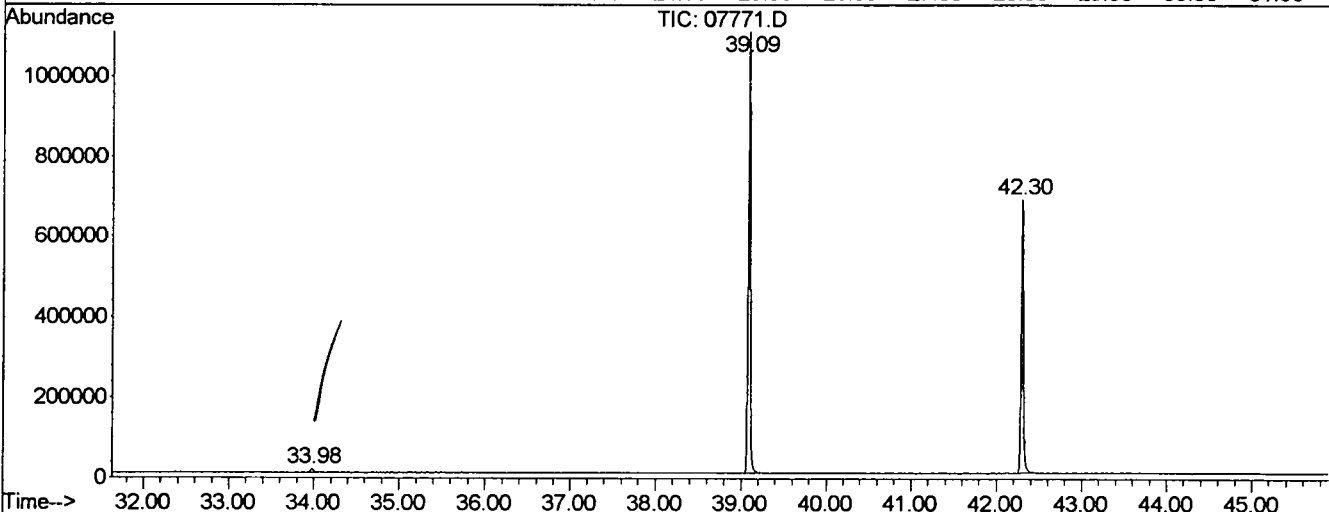
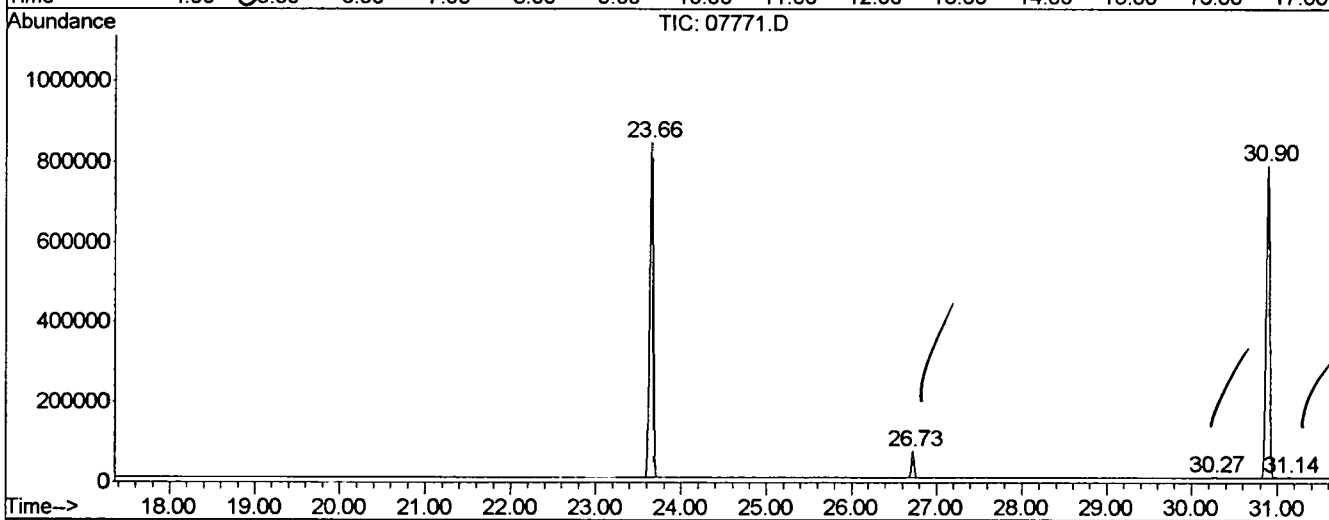
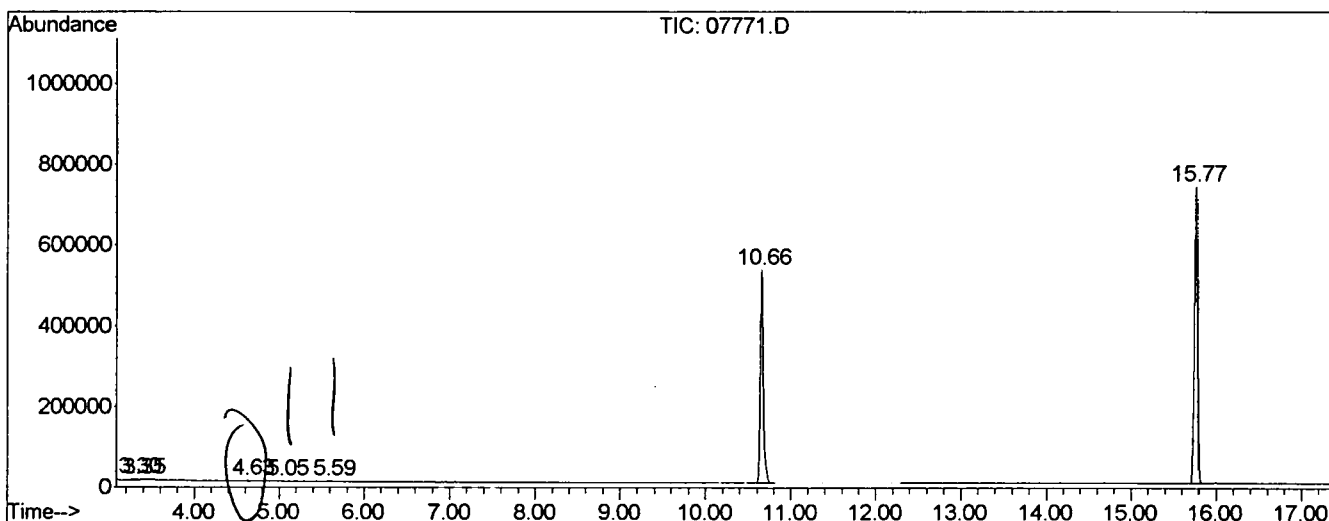
Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.302       | 20            | 38          | 45           | PV 5     | 4124           | 234213        | 1.07%           | 0.218%        |
| 2         | 3.355       | 45            | 47          | 50           | VV 3     | 2986           | 48616         | 0.22%           | 0.045%        |
| 3         | 4.630       | 261           | 264         | 268          | VV 2     | 2798           | 33639         | 0.15%           | 0.031%        |
| 4         | 5.047       | 331           | 335         | 340          | VV 2     | 1921           | 29534         | 0.13%           | 0.027%        |
| 5         | 5.594       | 421           | 428         | 432          | PV 3     | 2187           | 49133         | 0.22%           | 0.046%        |
| 6         | 10.659      | 1274          | 1290        | 1314         | PV       | 528733         | 13342423      | 60.95%          | 12.403%       |
| 7         | 15.770      | 2146          | 2160        | 2178         | PV       | 727538         | 17688691      | 80.81%          | 16.444%       |
| 8         | 23.655      | 3485          | 3502        | 3518         | PV 2     | 828992         | 21075590      | 96.28%          | 19.592%       |
| 9         | 26.728      | 4015          | 4025        | 4036         | PV 2     | 65911          | 1452057       | 6.63%           | 1.350%        |
| 10        | 30.271      | 4620          | 4628        | 4637         | PV 2     | 2073           | 66248         | 0.30%           | 0.062%        |
| 11        | 30.894      | 4718          | 4734        | 4757         | VV 2     | 771269         | 21889778      | 100.00%         | 20.349%       |
| 12        | 31.141      | 4767          | 4776        | 4782         | PV 2     | 2298           | 56720         | 0.26%           | 0.053%        |
| 13        | 33.979      | 5252          | 5259        | 5268         | PV       | 9887           | 206308        | 0.94%           | 0.192%        |
| 14        | 39.096      | 6113          | 6130        | 6160         | BV 2     | 1069175        | 19187830      | 87.66%          | 17.838%       |
| 15        | 42.299      | 6660          | 6675        | 6706         | PV       | 661943         | 12209202      | 55.78%          | 11.350%       |

Sum of corrected areas: 107569982

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020404\07771.D  
 Operator : Nefliu  
 Acquired : 5 Apr 2002 5:17 am using AcqMethod 508SCAN1  
 Instrument : Instrumen  
 Sample Name: sample  
 Misc Info :  
 Vial Number: 25  
 Quant File :SCAN020403.RES (Chemstation Integrator)



## Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020404\07771.D  
Acq On : 5 Apr 2002 5:17 am  
Sample : sample  
Misc :  
MS Integration Params: LSCINT.e

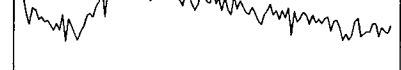
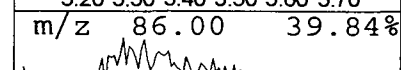
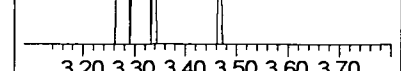
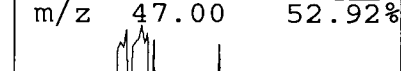
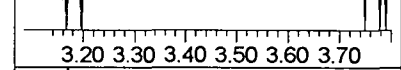
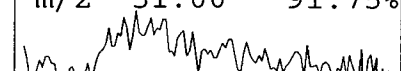
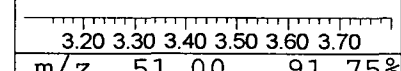
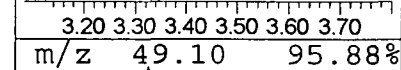
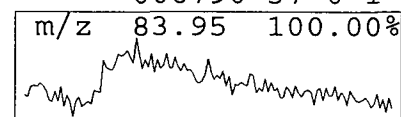
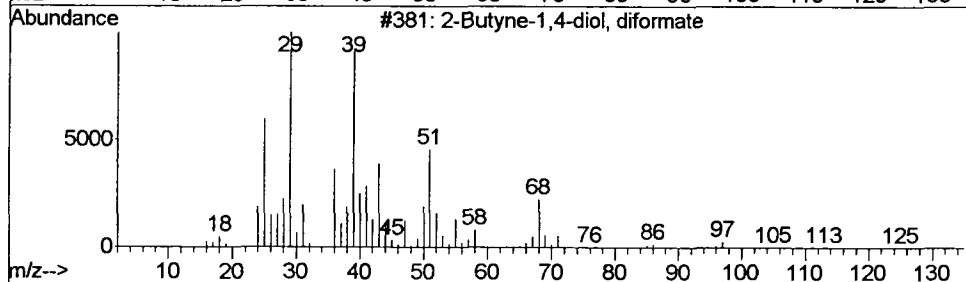
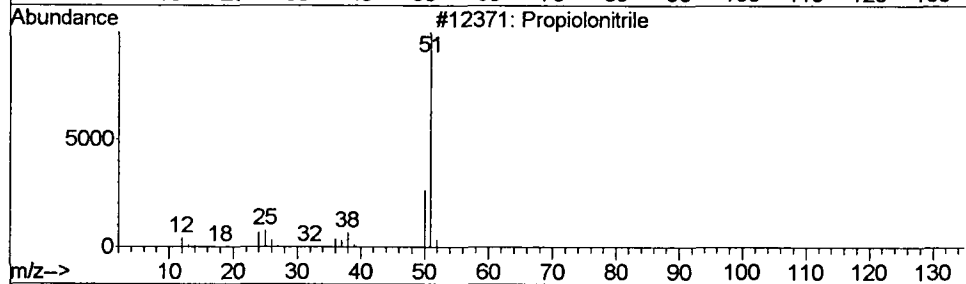
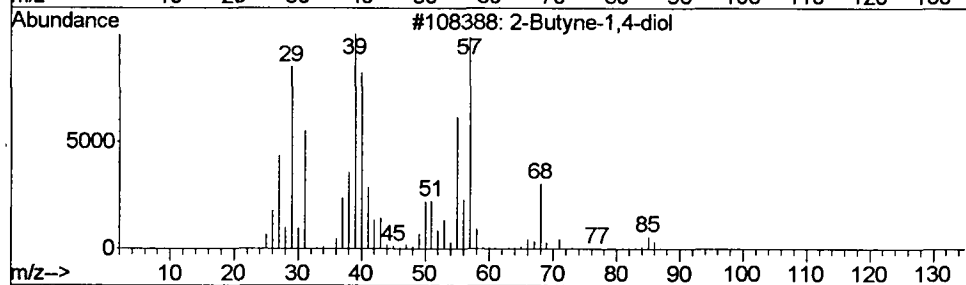
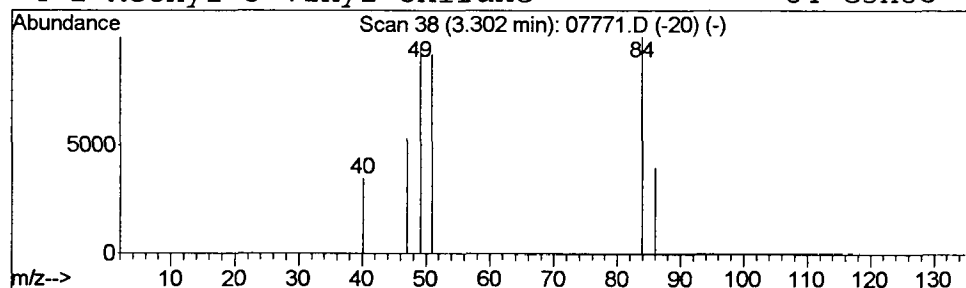
Vial: 25  
Operator: Nefliu  
Inst : Instrumen  
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
Title : Method 508 GC/MS Scan  
Library : C:\DATABASE\nist98.1

\*\*\*\*\*  
Peak Number 1 2-Butyne-1,4-diol Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 3.30 | 0.35 ug/l | 234213 | 1,4-Dichlorobenzene-d4 | 10.66 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Butyne-1,4-diol            | 86  | C4H6O2  | 000110-65-6 | 3    |
| 2    |    |   | Propiolonitrile              | 51  | C3HN    | 001070-71-9 | 3    |
| 3    |    |   | 2-Butyne-1,4-diol, diformate | 142 | C6H6O4  | 036677-73-3 | 1    |
| 4    |    |   | 2-Methyl-3-vinyl-oxirane     | 84  | C5H8O   | 006790-37-0 | 1    |



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Acq On : 5 Apr 2002 5:17 am  
Sample : sample  
Misc :  
MS Integration Params: LSCINT.e

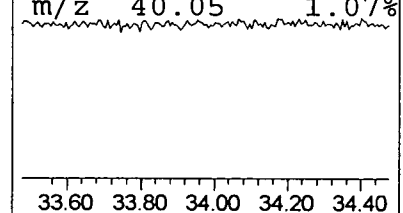
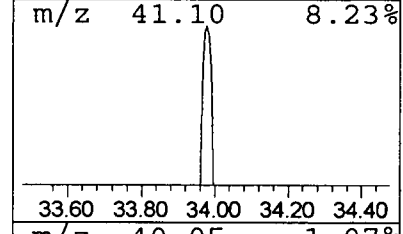
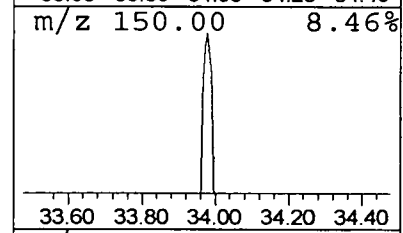
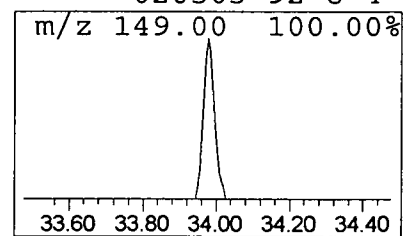
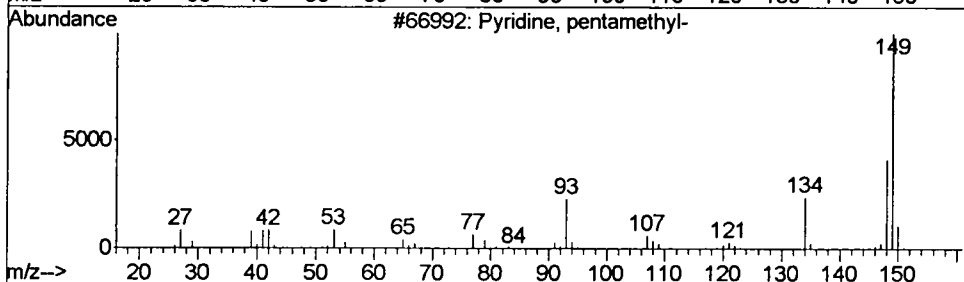
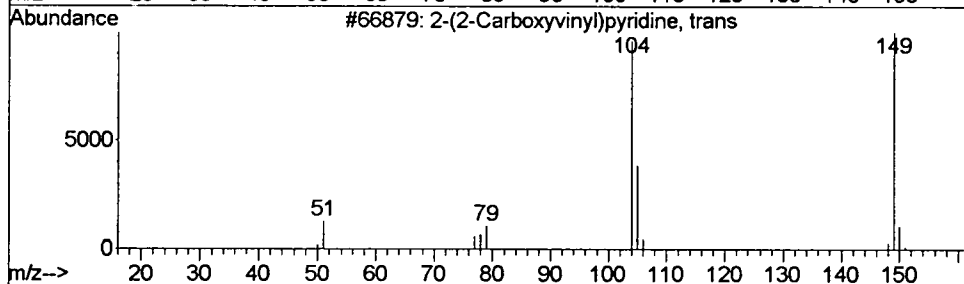
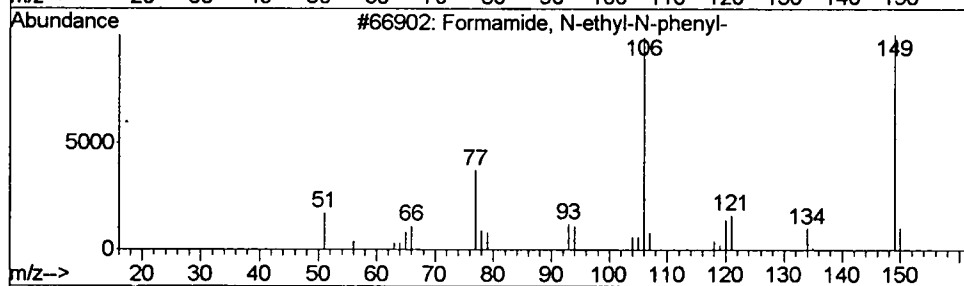
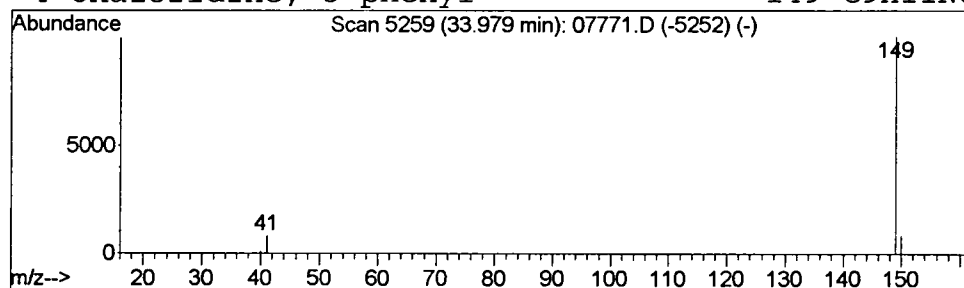
Vial: 25  
Operator: Nefliu  
Inst : Instrumen  
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
Title : Method 508 GC/MS Scan  
Library : C:\DATABASE\nist98.1

\*\*\*\*\*  
Peak Number 2 Formamide, N-ethyl-N-phenyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 33.98 | 0.19 ug/l | 206308 | Phenanthrene-d10 | 30.89 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Formamide, N-ethyl-N-phenyl-      | 149 | C9H11NO | 005461-49-4 | 4    |
| 2    |    |   | 2-(2-Carboxyvinyl)pyridine, trans | 149 | C8H7NO2 | 007340-22-9 | 4    |
| 3    |    |   | Pyridine, pentamethyl-            | 149 | C10H15N | 003748-83-2 | 4    |
| 4    |    |   | Oxazolidine, 3-phenyl-            | 149 | C9H11NO | 020503-92-8 | 4    |



## Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 5 Apr 2002 5:17 am  
Data File: C:\MSDCHEM\1\DATA\020404\07771.D  
Name: sample  
Misc:  
Method: C:\MSDCHEM\1\METHODS\SCAN020403.M (Chemstation Integrator)  
Title: Method 508 GC/MS Scan  
Library Searched: C:\DATABASE\nist98.1

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |          |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|----------|------|
|                      |       |         |       |          | #                     | RT    | Resp     | Conc |
| 2-Butyne-1,4-diol    | 3.30  | 0.4     | ug/l  | 234213   | 1                     | 10.66 | 13342400 | 20.0 |
| Formamide, N-ethy... | 33.98 | 0.2     | ug/l  | 206308   | 4                     | 30.89 | 21889800 | 20.0 |