User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/03/2002 Time: 13:30:24

Sample: AE06411
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/3/02 13:29 Ended: 5/3/02 13:29 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

**omments for Sample AE06411 - Analysis $GCMS**

Vestchester Dept. of Labs & Research
Iser: Vinci, David L
Iate: 05-03-2002 Time: 13:30:35

he GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual ompounds. The Surrogate Standard recovery for this sample was below 70%. There vas no additional sample available to re-extract. There will be no charge for his analysis.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020409\6411.D Vial: 15
Acq On : 10 Apr 2002 4:11 am Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 26 13:38:20 2002 Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Fri Apr 26 13:24:19 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

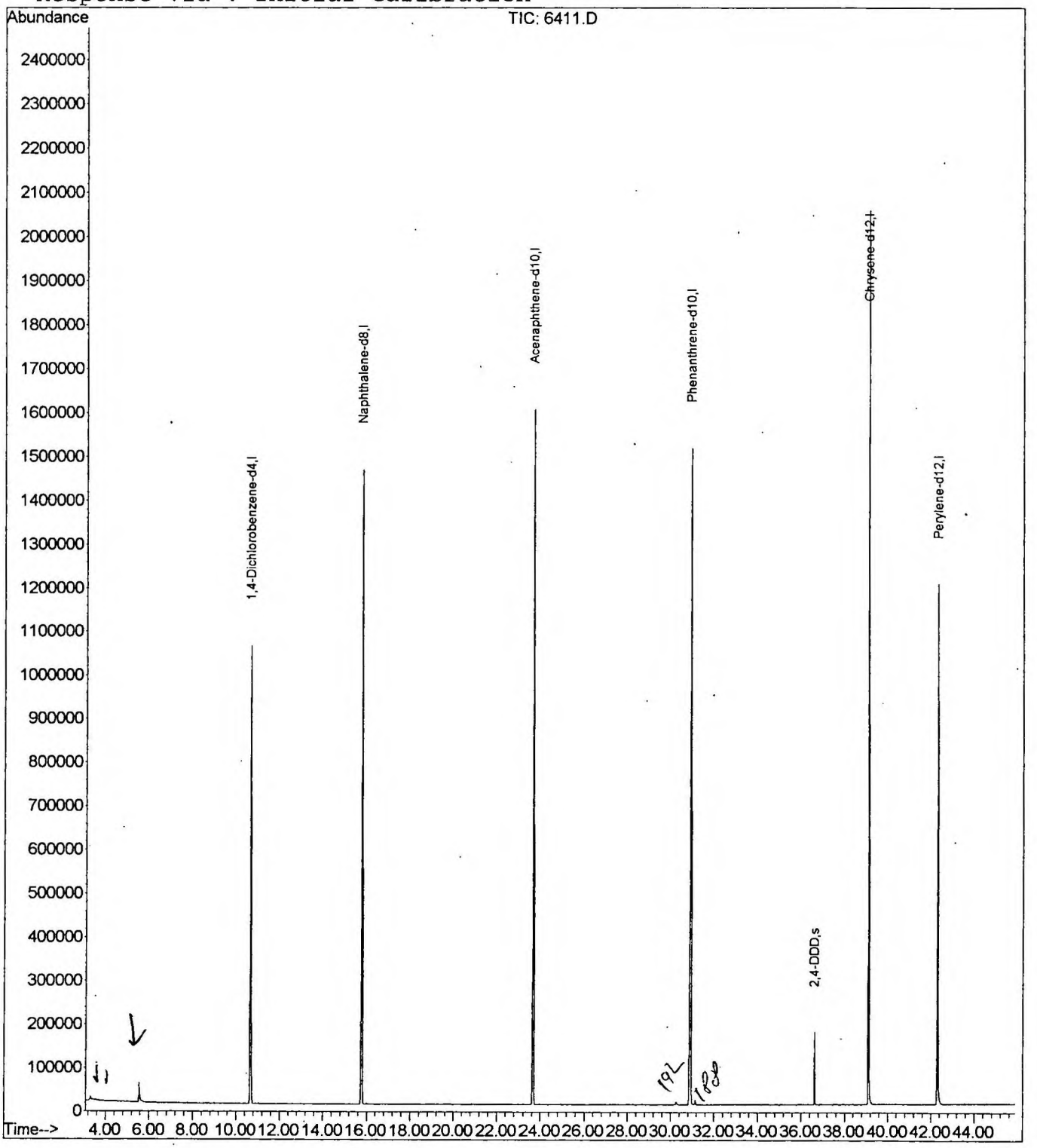
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 10.67 | 152 | 5174179 | 40.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.78 | 136 | 19516885 | 40.00 | ug/l | 0.00 |
| 17) Acenaphthene-d10 | 23.67 | 164 | 11195550 | 40.00 | ug/l | 0.00 |
| 30) Phenanthrene-d10 | 30.91 | 188 | 18196024 | 40.00 | ug/l | 0.01 |
| 38) Chrysene-d12 | 39.11 | 240 | 14143725 | 40.00 | ug/l | -0.01 |
| 44) Perylene-d12 | 42.31 | 264 | 7154197 | 40.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 27) TCMX | 0.00 | 207 | 0 | 0.00 | ug/l | |
| Spiked Amount 4.000 | | | Recovery = | 0.00% | | |
| 37) 2,4-DDD | 36.62 | 235 | 576117 | 2.52 | ug/ml | 0.00 |
| Spiked Amount ~~4.000~~ 5.0 | | | Recovery = | ~~63.00%~~ ~~78.8~~ | | 50%(1 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
6411.D SCANAPR0902.M Fri Apr 26 13:39:16 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020409\6411.D Vial: 15
Acq On : 10 Apr 2002 4:11 am Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 26 13:39 2002 Quant Results File: SCANAPR090

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator
Title : Method 508 GC/MS Scan
Last Update : Fri Apr 26 13:24:19 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020409\6411.D  Vial: 15
Acq On : 10 Apr 2002 4:11 am  Operator: McLean
Sample : 3/18  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan

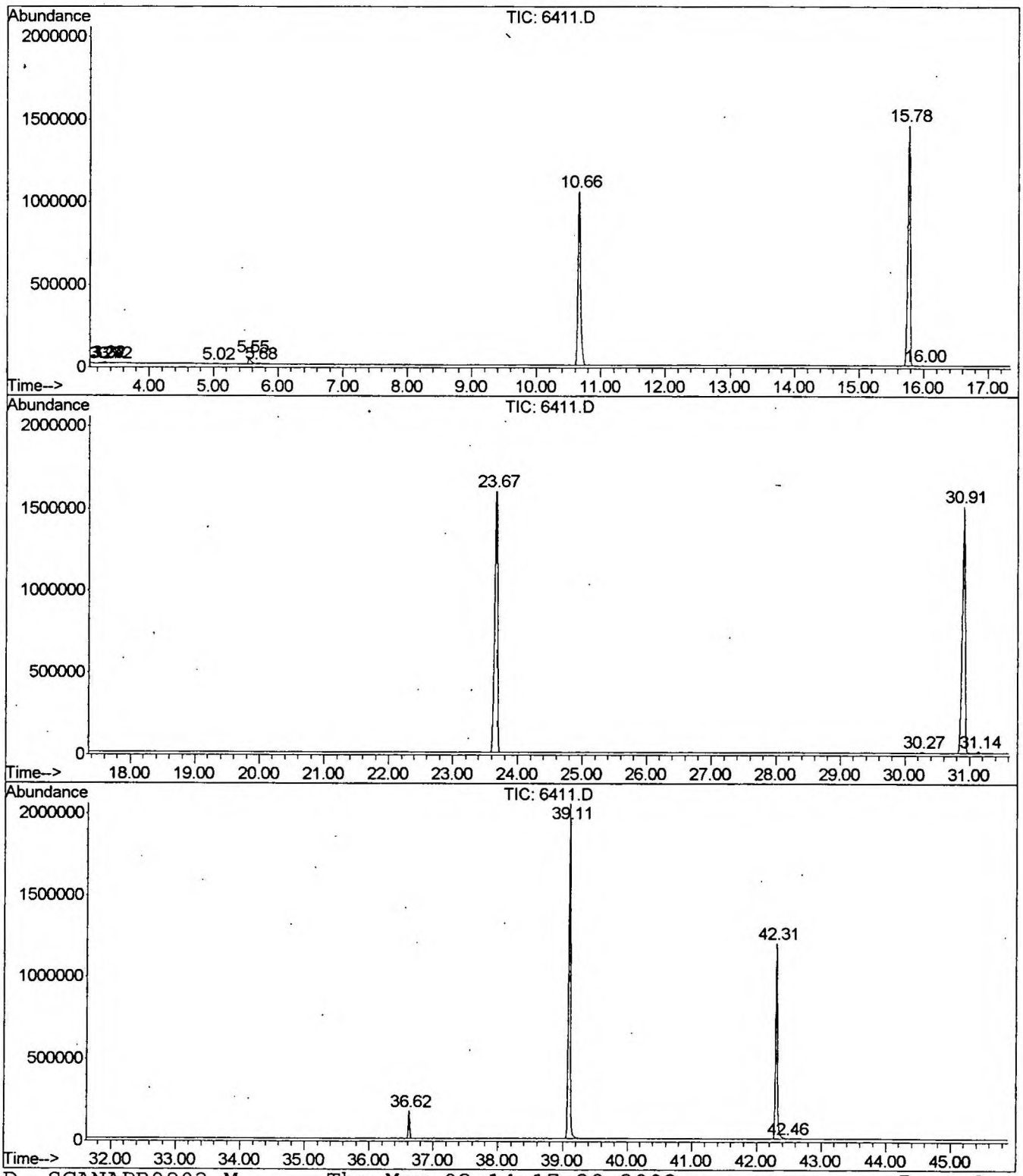
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.267 | 21 | 32 | 33 | PV 3 | 4200 | 103087 | 0.22% | 0.045% |
| 2 | 3.291 | 33 | 36 | 38 | VV 3 | 7369 | 99597 | 0.21% | 0.043% |
| 3 | 3.320 | 38 | 41 | 46 | VV 2 | 10712 | 179719 | 0.38% | 0.078% |
| 4 | 3.420 | 53 | 58 | 64 | VV 2 | 5046 | 155390 | 0.33% | 0.068% |
| 5 | 5.024 | 329 | 331 | 337 | PV 2 | 1901 | 30547 | 0.07% | 0.013% |
| 6 | 5.547 | 417 | 420 | 441 | PV | 43574 | 1074922 | 2.29% | 0.469% |
| 7 | 5.676 | 441 | 442 | 451 | VV 2 | 2471 | 51039 | 0.11% | 0.022% |
| 8 | 10.665 | 1280 | 1291 | 1315 | VV | 1050830 | 29050710 | 61.83% | 12.678% |
| 9 | 15.782 | 2141 | 2162 | 2180 | VV | 1455017 | 38463351 | 81.86% | 16.786% |
| 10 | 16.000 | 2193 | 2199 | 2206 | VV 2 | 2807 | 69451 | 0.15% | 0.030% |
| 11 | 23.673 | 3485 | 3505 | 3516 | PV | 1581152 | 45325138 | 96.46% | 19.780% |
| 12 | 30.266 | 4616 | 4627 | 4636 | VV 3 | 6838 | 190683 | 0.41% | 0.083% |
| 13 | 30.912 | 4719 | 4737 | 4757 | PV 2 | 1479436 | 46988058 | 100.00% | 20.506% |
| 14 | 31.135 | 4767 | 4775 | 4781 | PV 3 | 9515 | 180104 | 0.38% | 0.079% |
| 15 | 36.623 | 5699 | 5709 | 5716 | VV | 168364 | 2703270 | 5.75% | 1.180% |
| 16 | 39.102 | 6113 | 6131 | 6159 | PV 2 | 2008138 | 40702036 | 86.62% | 17.763% |
| 17 | 42.310 | 6667 | 6677 | 6701 | PV 2 | 1184044 | 23701163 | 50.44% | 10.343% |
| 18 | 42.457 | 6701 | 6702 | 6722 | VV 3 | 2536 | 77456 | 0.16% | 0.034% |

Sum of corrected areas: 229145721

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020409\6411.D
Operator : McLean
Acquired : 10 Apr 2002 4:11 am using AcqMethod 508SCAN1
Instrument : Instrumen
Sample Name: 3/18
Misc Info :
Vial Number: 15
Quant File :SCANAPR0902.RES (Chemstation Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6411.D
Acq On : 10 Apr 2002 4:11 am
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

Vial: 15
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

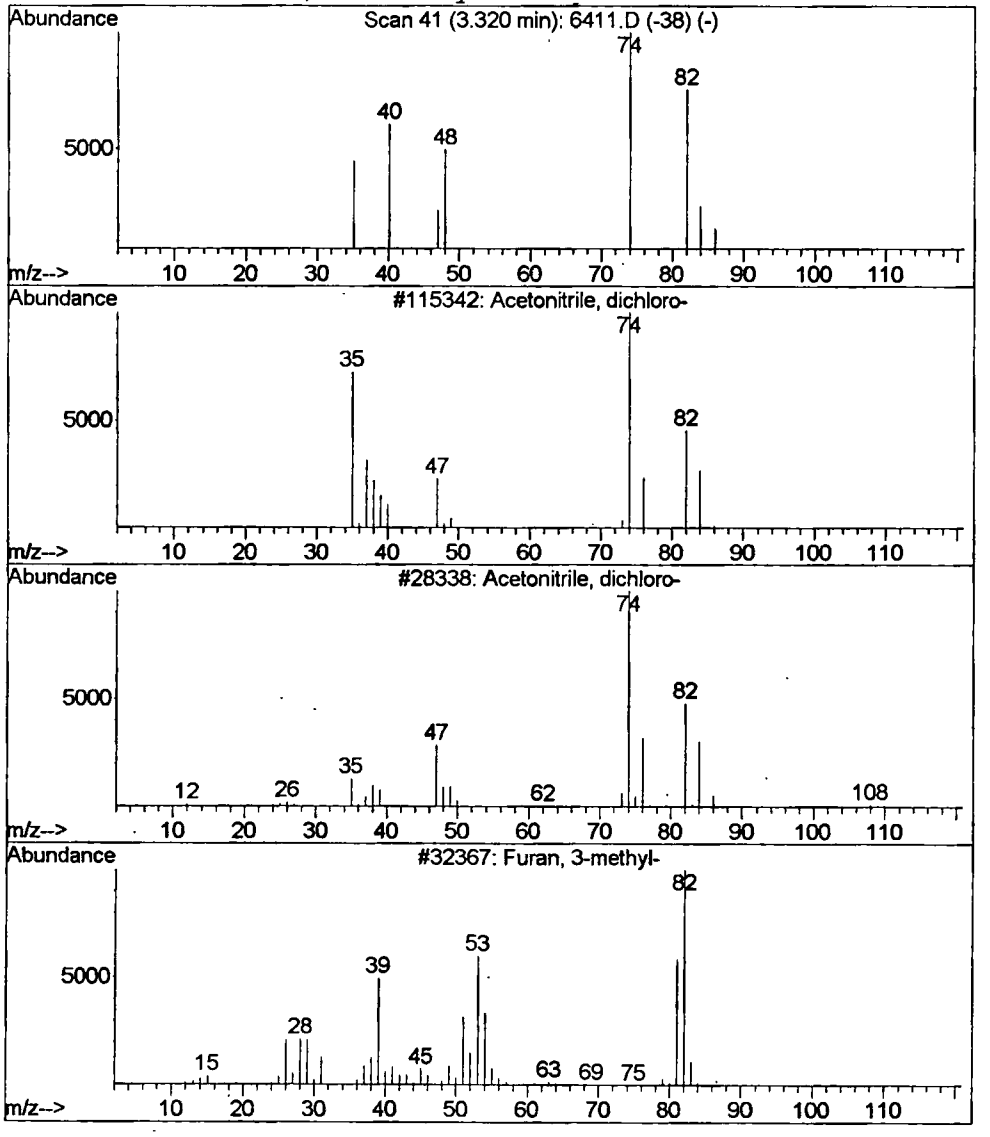
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

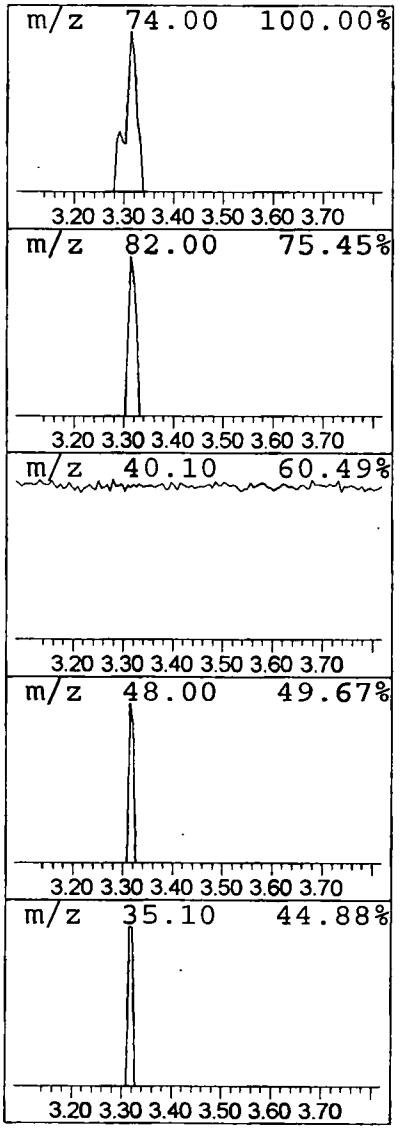
**********

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.32 | 0.25 ug/l | 179719 | 1,4-Dichlorobenzene-d4 | 10.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetonitrile, dichloro- | 109 | C2HCl2N | 003018-12-0 | 39 |
| 2 | Acetonitrile, dichloro- | 109 | C2HCl2N | 003018-12-0 | 10 |
| 3 | Furan, 3-methyl- | 82 | C5H6O | 000930-27-8 | 4 |
| 4 | 1H-Imidazole, 1-methyl- | 82 | C4H6N2 | 000616-47-7 | 2 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6411.D  Vial: 15
Acq On : 10 Apr 2002 4:11 am  Operator: McLean
Sample : 3/18  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

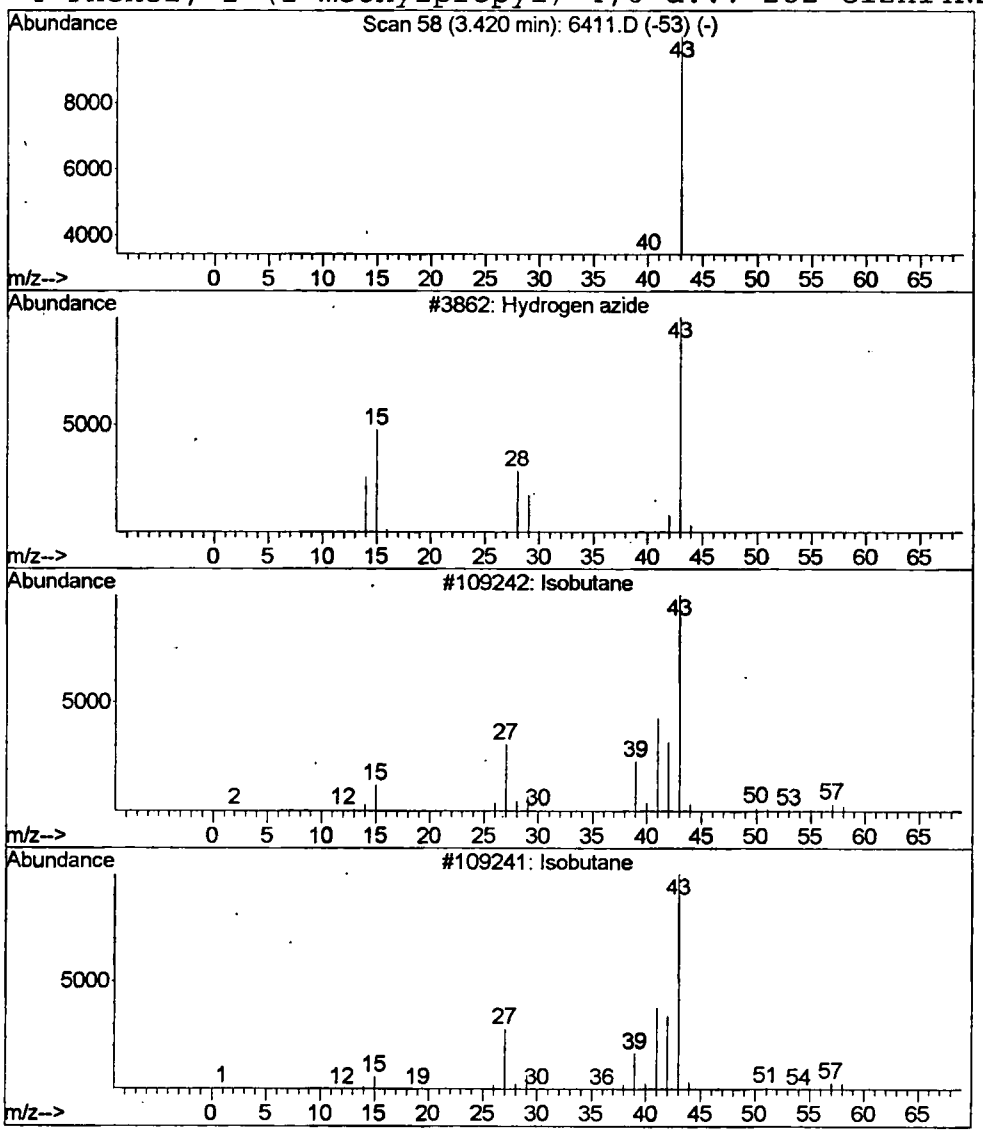
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

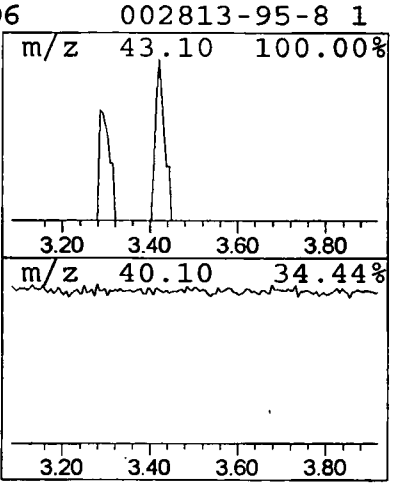
**********

Peak Number 2 Hydrogen azide  Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.42 | 0.21 ug/l | 155390 | 1,4-Dichlorobenzene-d4 | 10.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hydrogen azide | 43 | HN3 | 007782-79-8 | 1 |
| 2 | Isobutane | 58 | C4H10 | 000075-28-5 | 1 |
| 3 | Isobutane | 58 | C4H10 | 000075-28-5 | 1 |
| 4 | Phenol, 2-(1-methylpropyl)-4,6-d... | 282 | C12H14N2O6 | 002813-95-8 | 1 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6411.D
Acq On : 10 Apr 2002 4:11 am
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

Vial: 15
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

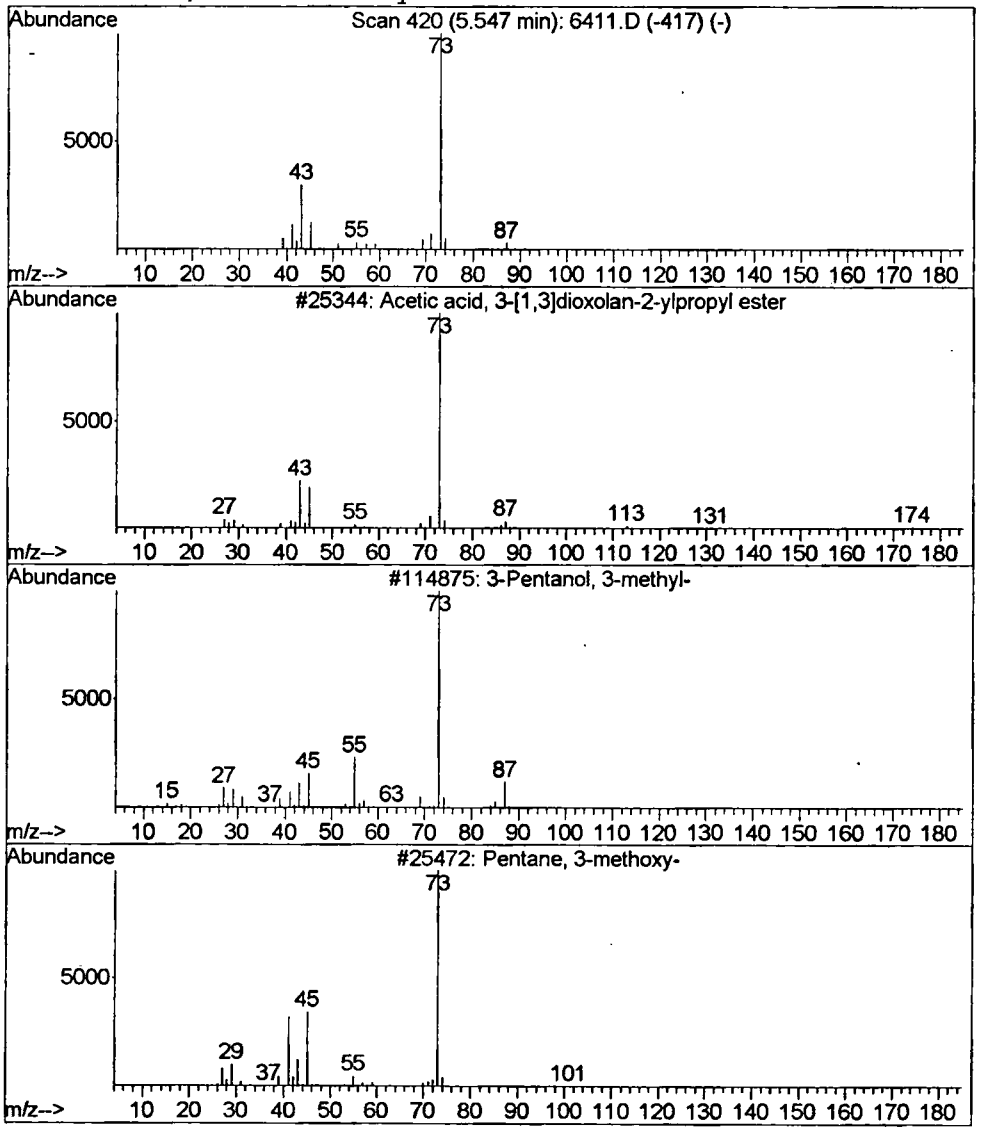
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

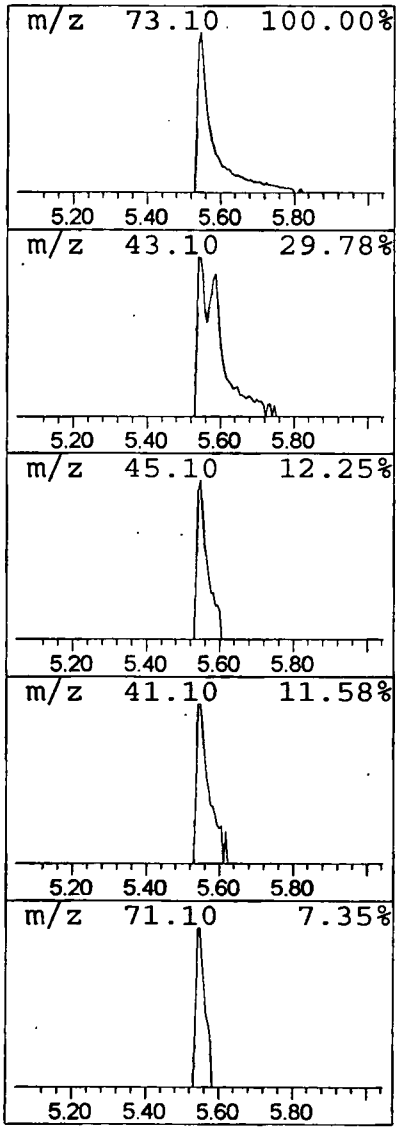
**********

Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.55 | 1.48 ug/l | 1074920 | 1,4-Dichlorobenzene-d4 | 10.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, 3-[1,3]dioxolan-2-y... | 174 | C8H14O4 | 1000186-02-3 | 45 |
| 2 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 36 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: McLean  Date Acquired: 10 Apr 2002  4:11 am
Data File: C:\MSDCHEM\1\DATA\020409\6411.D
Name: 3/18
Misc:
Method: C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title: Method 508 GC/MS Scan
Library Searched: C:\DATABASE\nist98.l

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard--- # | RT | Resp | Conc |
|---|---|---|---|---|---|---|---|---|
| ~~Acetonitrile~~, dic... | 3.32 | 0.2 | ug/l | 179719 | 1 | 10.67 | 29050700 | 40.0 |
| ~~Hydrogen az~~ide | 3.42 | 0.2 | ug/l | 155390 | 1 | 10.67 | 29050700 | 40.0 |
| ~~Acetic acid,~~ 3-[1... | 5.55 | 1.5 | ug/l | 1074920 | 1 | 10.67 | 29050700 | 40.0 |