User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/10/2002 Time: 15:39:01

Sample: AE12761
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/10/02 15:38 Ended: 6/10/02 15:38 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 74 | | 10.0 |

**Comments for Sample AE12761 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-10-2002 Time: 15:39:27

The GCMS scan, 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 7 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060602\12761.D Vial: 7
Acq On : 6 Jun 2002 4:11 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 07 08:20:37 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-dichlorobenzene-d4 | 9.90 | 152 | 4477601 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.39 | 136 | 18041069 | 40.00 | ug/L | 0.00 |
| 17) Acenapthalene-d10 | 18.52 | 164 | 9856231 | 40.00 | ug/L | 0.00 |
| 29) Phenanthranene-d10 | 22.91 | 188 | 14734110 | 40.00 | ug/L | 0.00 |
| 37) Chrysene-d12 | 30.75 | 240 | 7318313 | 40.00 | ug/L | 0.00 |
| 43) Perylene-d12 | 34.65 | 264 | 3002226 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.50 | 209 | 2092944 | 29.59 | ug/L | 0.00 |
| Spiked Amount 40.000 | | | Recovery = 73.98% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 6) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 7) 2,2'oxybis(1-Chloropropane | 0.00 | 45 | 0 | N.D. | | |
| 8) N-nitroso-di-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 11) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 12) Isophorone | 0.00 | 82 | 0 | N.D. | | |
| 13) bis(2-Chloroethoxy) methan | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Napthalene | 0.00 | 128 | 0 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 19) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 20) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 21) Acenapthylene | 0.00 | 152 | 0 | N.D. | | |
| 22) Acenapthalene | 0.00 | 153 | 0 | N.D. | | |
| 23) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 24) Diethylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 25) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 26) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzene | 20.50 | 77 | 35256 | N.D. | | |
| 30) Nnitrosodiphenylamine | 20.50 | 169 | 40351 | N.D. | | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 33) Phenanthrene | 0.00 | 178 | 0 | N.D. | | |
| 34) Anthracene | 0.00 | 178 | 0 | N.D. | | |
| 35) Di-n-butylphthalate | 0.00 | 149 | 0 | N.D. | | |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060602\12761.D Vial: 7
Acq On : 6 Jun 2002 4:11 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 07 08:20:37 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

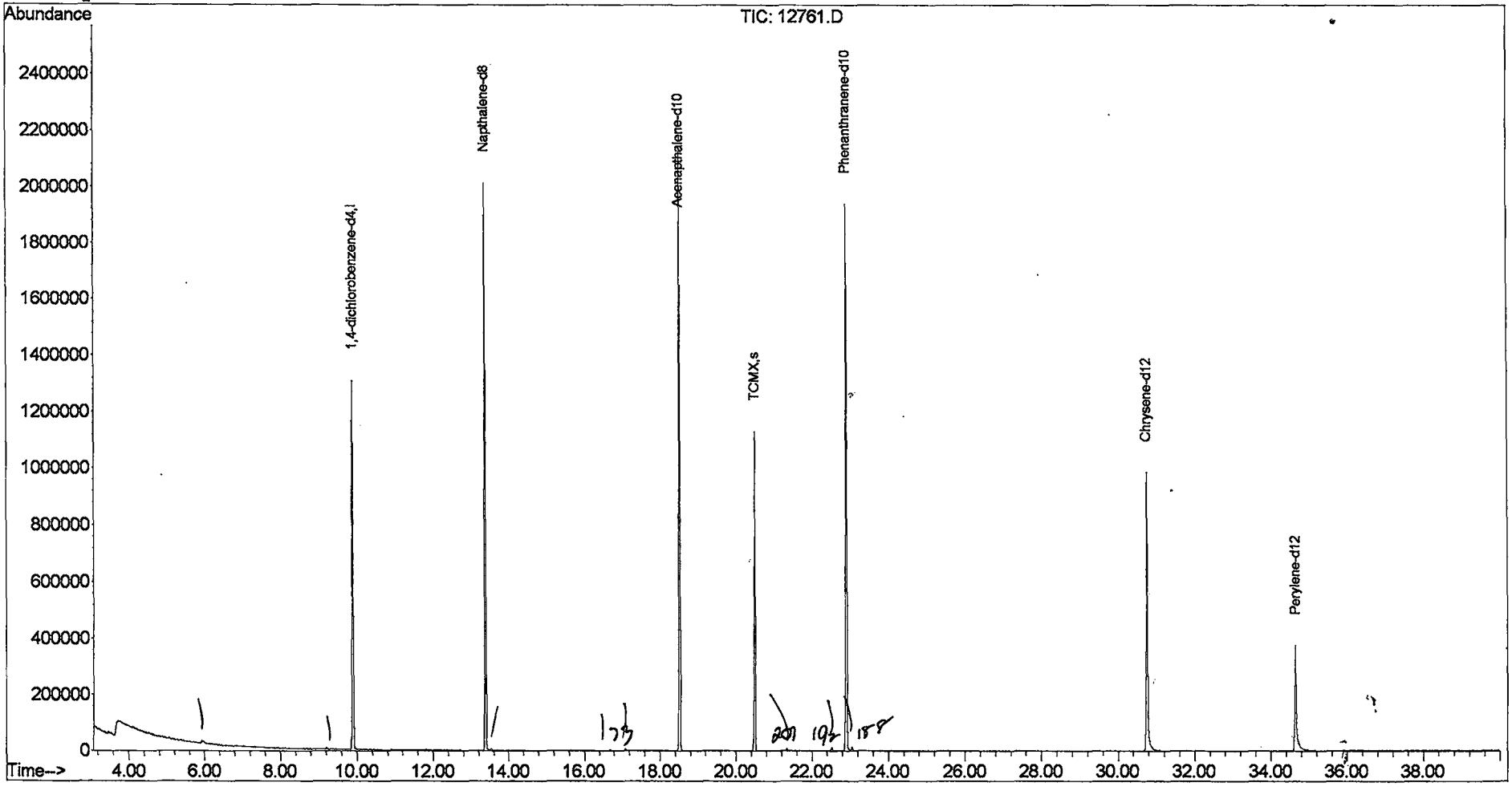
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 0.00 | 202 | 0 | N.D. | |
| 38) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 39) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 40) | Benzo(a)anthracene | 0.00 | 228 | 0 | N.D. | |
| 41) | Bis(2-ethylhexyl)phthalate | 0.00 | 149 | 0 | N.D. | |
| 42) | Chrysene | 0.00 | 228 | 0 | N.D. | |
| 44) | Di-n-octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 45) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 46) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) | Benzo(a)pyrene | 0.00 | 252 | 0 | N.D. | |
| 48) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 49) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 50) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060602\12761.D Vial: 7
Acq On : 6 Jun 2002 4:11 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 7 8:20 2002 Quant Results File: 060302.RES

Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\060602\12761.D Vial: 7
Acq On : 6 Jun 2002 4:11 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

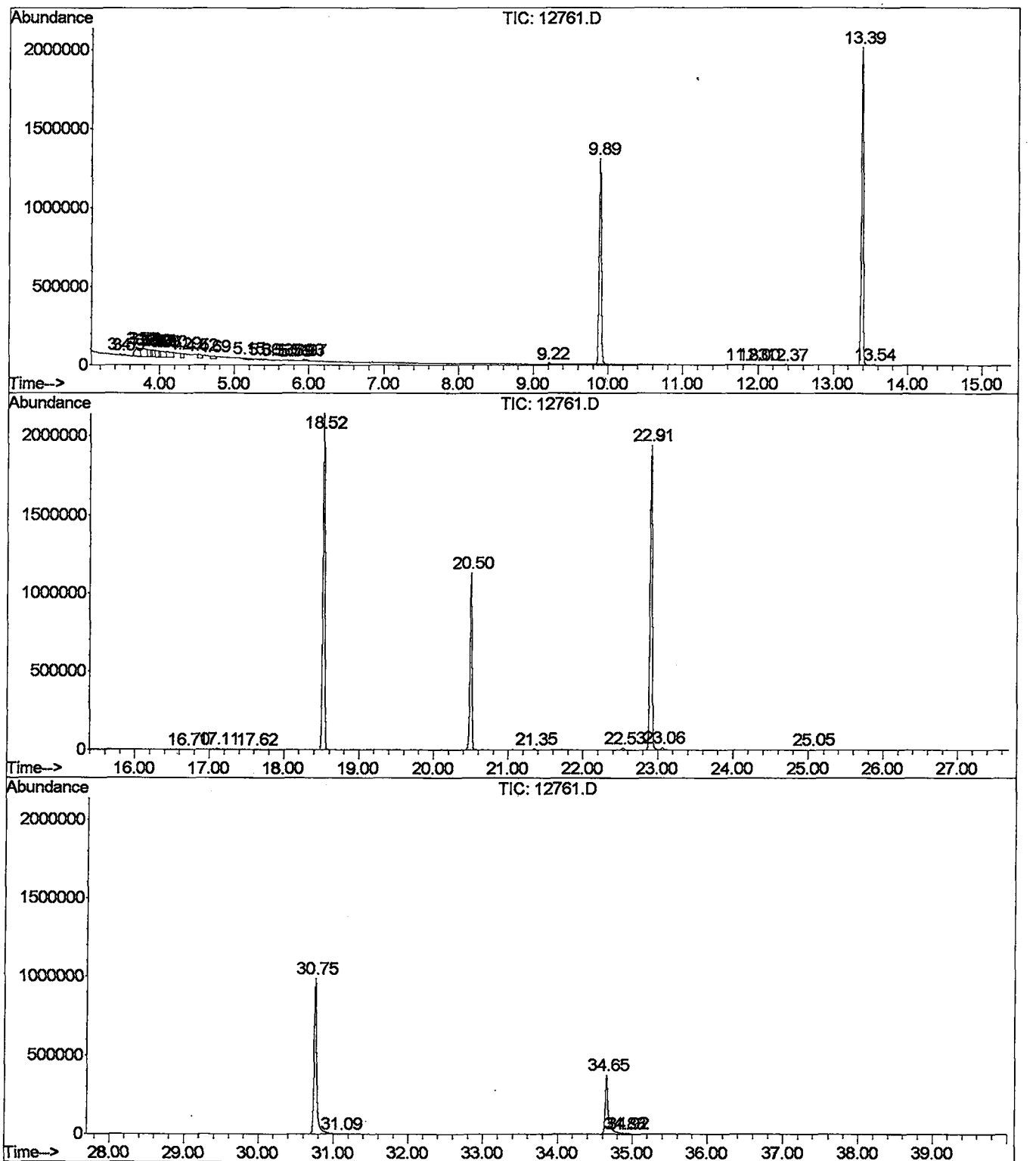
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.473 | 63 | 67 | 75 | PV 5 | 8252 | 204475 | 0.51% | 0.096% |
| 2 | 3.532 | 75 | 77 | 94 | VV 8 | 7026 | 181201 | 0.45% | 0.085% |
| 3 | 3.720 | 94 | 109 | 114 | PV 4 | 52219 | 2531009 | 6.33% | 1.183% |
| 4 | 3.755 | 114 | 115 | 129 | VV 4 | 51764 | 2618162 | 6.55% | 1.224% |
| 5 | 3.843 | 129 | 130 | 137 | VV 5 | 45308 | 1202485 | 3.01% | 0.562% |
| 6 | 3.896 | 137 | 139 | 140 | VV | 43861 | 551941 | 1.38% | 0.258% |
| 7 | 3.914 | 140 | 142 | 147 | VV 4 | 42739 | 944161 | 2.36% | 0.441% |
| 8 | 3.949 | 147 | 148 | 155 | VV 4 | 41570 | 1162422 | 2.91% | 0.543% |
| 9 | 4.002 | 155 | 157 | 159 | VV 2 | 38679 | 536717 | 1.34% | 0.251% |
| 10 | 4.025 | 159 | 161 | 172 | VV 9 | 37187 | 1562558 | 3.91% | 0.730% |
| 11 | 4.108 | 172 | 175 | 189 | VV 8 | 37589 | 1986791 | 4.97% | 0.929% |
| 12 | 4.290 | 204 | 206 | 212 | VV 3 | 27976 | 731323 | 1.83% | 0.342% |
| 13 | 4.519 | 242 | 245 | 253 | VV 6 | 23189 | 815557 | 2.04% | 0.381% |
| 14 | 4.689 | 272 | 274 | 285 | VV 5 | 15529 | 625967 | 1.57% | 0.293% |
| 15 | 5.153 | 348 | 353 | 371 | VV 7 | 7284 | 443912 | 1.11% | 0.208% |
| 16 | 5.365 | 384 | 389 | 397 | VV 7 | 5838 | 215578 | 0.54% | 0.101% |
| 17 | 5.529 | 411 | 417 | 422 | VV 8 | 3199 | 87905 | 0.22% | 0.041% |
| 18 | 5.759 | 452 | 456 | 460 | VV 5 | 2449 | 37167 | 0.09% | 0.017% |
| 19 | 5.794 | 460 | 462 | 467 | VV 3 | 2512 | 38878 | 0.10% | 0.018% |
| 20 | 5.935 | 476 | 486 | 489 | PV 2 | 9802 | 160928 | 0.40% | 0.075% |
| 21 | 5.970 | 489 | 492 | 504 | VV 3 | 7027 | 182225 | 0.46% | 0.085% |
| 22 | 9.213 | 1040 | 1044 | 1049 | PV 3 | 5013 | 78611 | 0.20% | 0.037% |
| 23 | 9.895 | 1141 | 1160 | 1176 | BV | 1307180 | 26584974 | 66.52% | 12.427% |
| 24 | 11.828 | 1483 | 1489 | 1493 | VV 6 | 2524 | 41694 | 0.10% | 0.019% |
| 25 | 11.993 | 1514 | 1517 | 1524 | PV 6 | 1625 | 24931 | 0.06% | 0.012% |
| 26 | 12.369 | 1575 | 1581 | 1588 | VV 4 | 2613 | 44631 | 0.11% | 0.021% |
| 27 | 13.391 | 1745 | 1755 | 1775 | PV | 1979021 | 36227195 | 90.65% | 16.934% |
| 28 | 13.538 | 1775 | 1780 | 1789 | VV 2 | 4619 | 84570 | 0.21% | 0.040% |
| 29 | 16.705 | 2308 | 2319 | 2324 | BV 2 | 2702 | 42922 | 0.11% | 0.020% |
| 30 | 17.104 | 2382 | 2387 | 2394 | VV 4 | 6318 | 98882 | 0.25% | 0.046% |
| 31 | 17.616 | 2469 | 2474 | 2479 | BV 2 | 2375 | 39867 | 0.10% | 0.019% |
| 32 | 18.526 | 2607 | 2629 | 2653 | PV | 2117652 | 39963196 | 100.00% | 18.680% |
| 33 | 20.500 | 2946 | 2965 | 2975 | PV | 1101350 | 20530619 | 51.37% | 9.597% |
| 34 | 21.352 | 3100 | 3110 | 3120 | PV 3 | 7802 | 129050 | 0.32% | 0.060% |
| 35 | 22.533 | 3304 | 3311 | 3323 | VV | 12311 | 237771 | 0.59% | 0.111% |
| 36 | 22.909 | 3364 | 3375 | 3394 | PV 2 | 1921079 | 39431211 | 98.67% | 18.432% |
| 37 | 23.062 | 3394 | 3401 | 3415 | VV | 14058 | 300343 | 0.75% | 0.140% |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 25.048 | 3733 | 3739 | 3746 | PV | 7 | 2870 | 48048 | 0.12% | 0.022% |
| 39 | 30.753 | 4697 | 4710 | 4765 | PV | 2 | 976484 | 22417899 | 56.10% | 10.479% |
| 40 | 31.082 | 4765 | 4766 | 4768 | PV | 2 | 288 | 1483 | 0.00% | 0.001% |
| 41 | 34.649 | 5361 | 5373 | 5411 | PV | | 368843 | 10720800 | 26.83% | 5.011% |
| 42 | 34.878 | 5411 | 5412 | 5418 | VV | 5 | 3794 | 54796 | 0.14% | 0.026% |
| 43 | 34.919 | 5418 | 5419 | 5421 | VV | 2 | 1002 | 7069 | 0.02% | 0.003% |

• Sum of corrected areas: 213931924

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\060602\12761.D
Operator : McLean
Acquired : 6 Jun 2002 4:11 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 6/3 eh
Misc Info :
Vial Number: 7
Quant File :060302.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\060602\12761.D  Vial: 7
Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

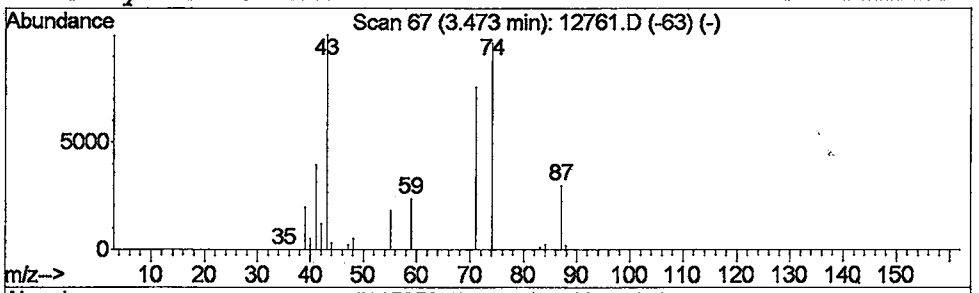
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

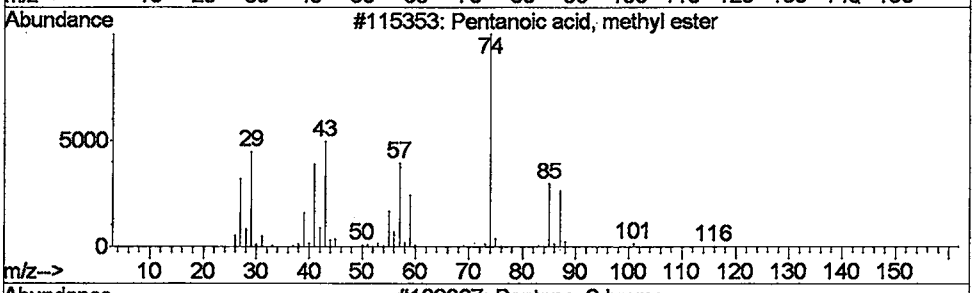
**********

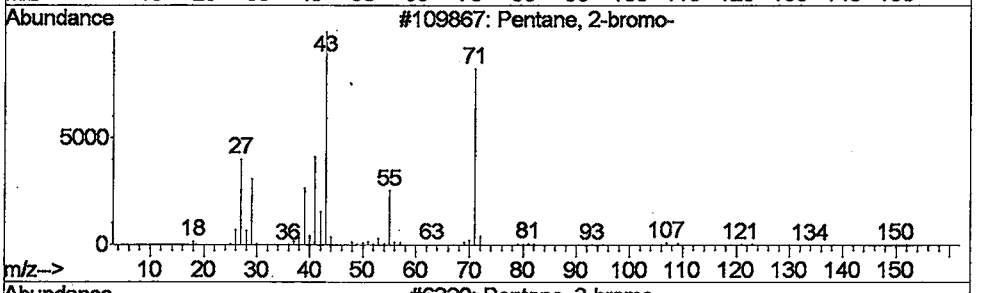
Peak Number 1 Pentanoic acid, methyl ester Concentration Rank 15

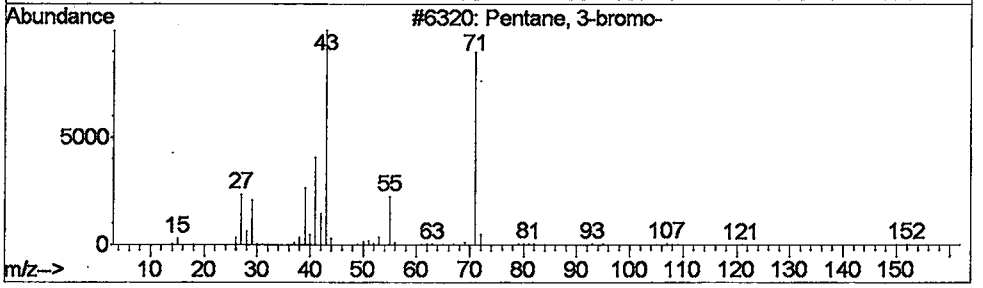
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.47 | 0.31 ug/L | 204475 | 1,4-dichlorobenzene-d4 | 9.90 |

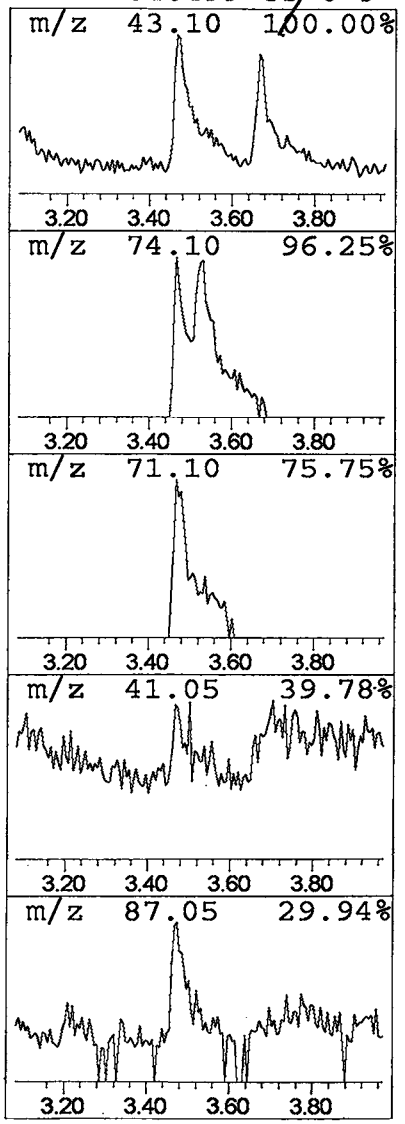
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentanoic acid, methyl ester | 116 | C6H12O2 | 000624-24-8 | 25 |
| 2 | Pentane, 2-bromo- | 150 | C5H11Br | 000107-81-3 | 25 |
| 3 | Pentane, 3-bromo- | 150 | C5H11Br | 001809-10-5 | 17 |
| 4 | 3-Pyrrolidinol | 87 | C4H9NO | 040499-83-0 | 9 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12761.D Vial: 7
Acq On : 6 Jun 2002 4:11 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

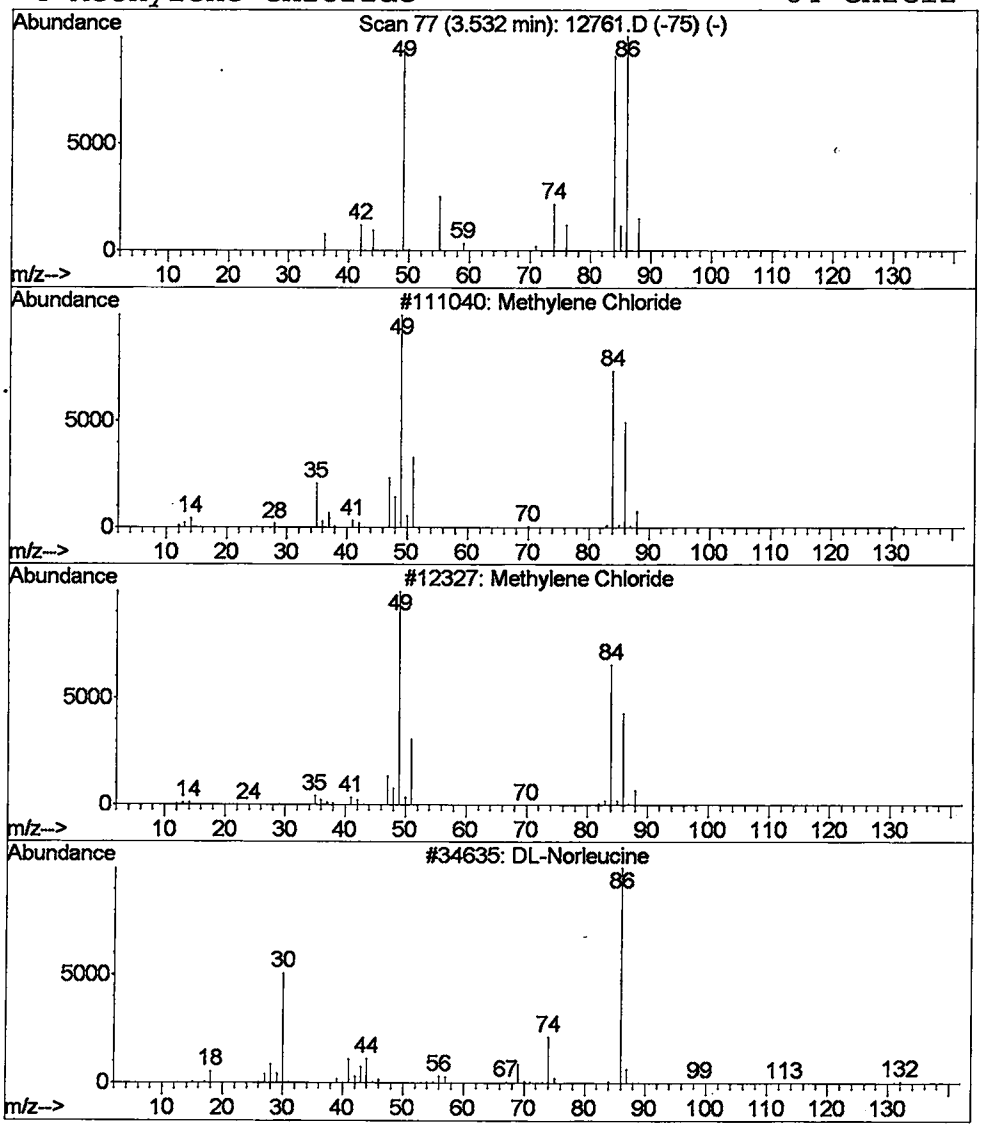
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

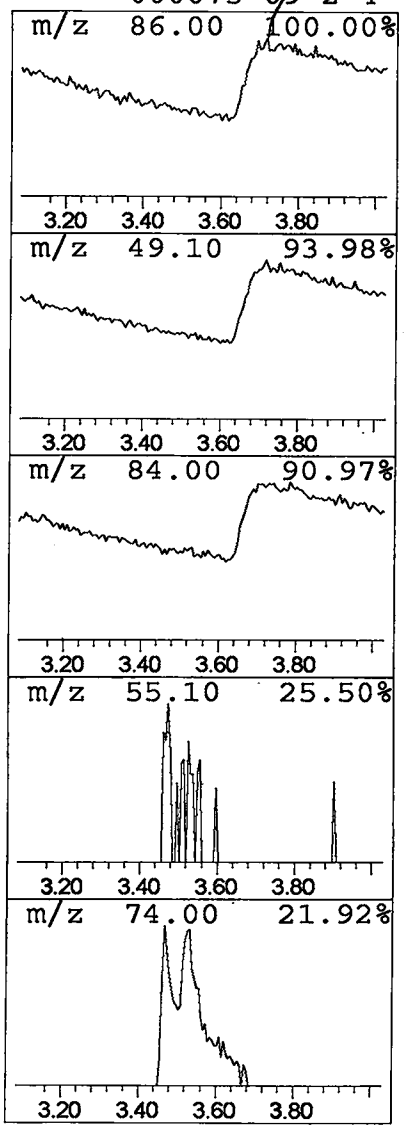
**********

Peak Number 2 Methylene Chloride Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.53 | 0.27 ug/L | 181201 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 50 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 7 |
| 3 | DL-Norleucine | 131 | C6H13NO2 | 000616-06-8 | 4 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 4 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12761.D  Vial: 7
Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

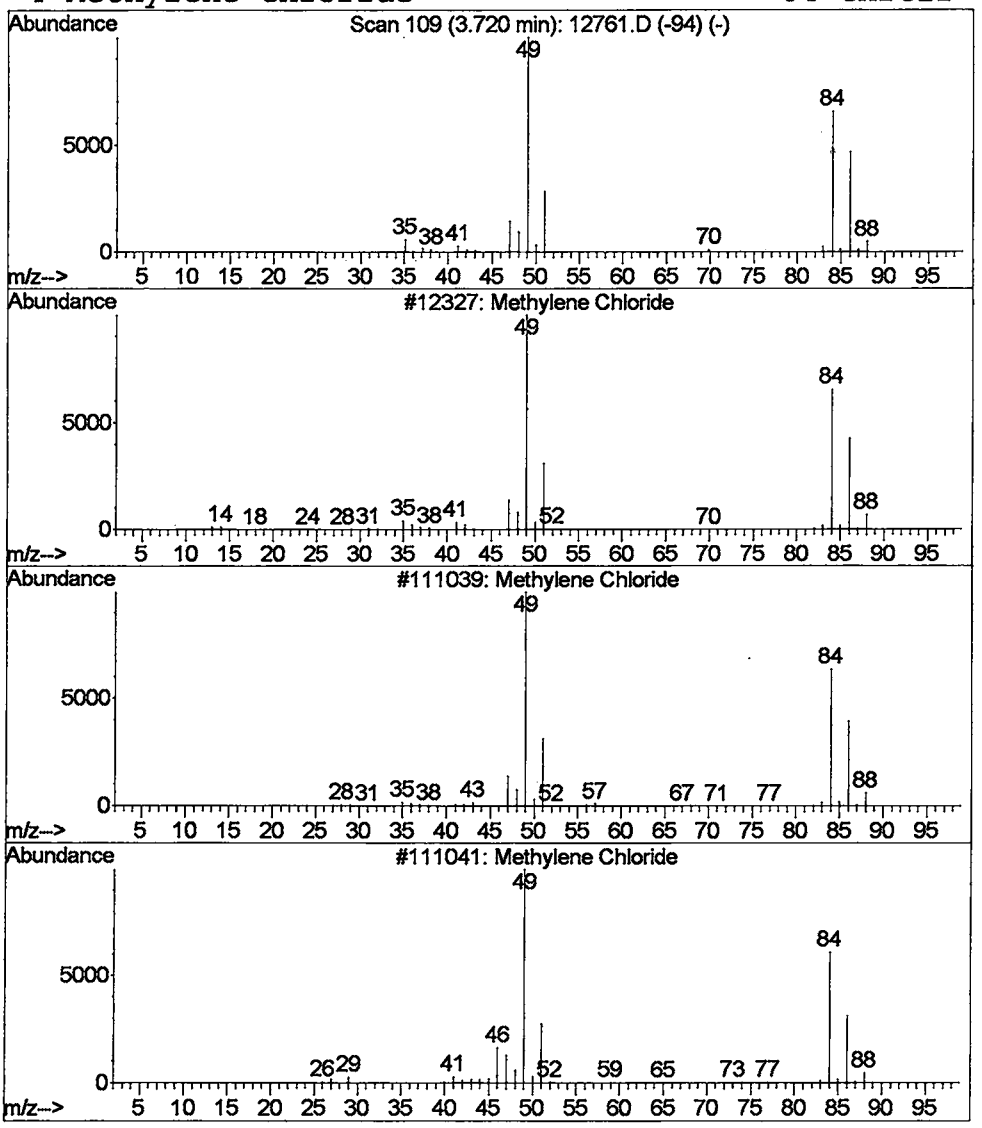
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

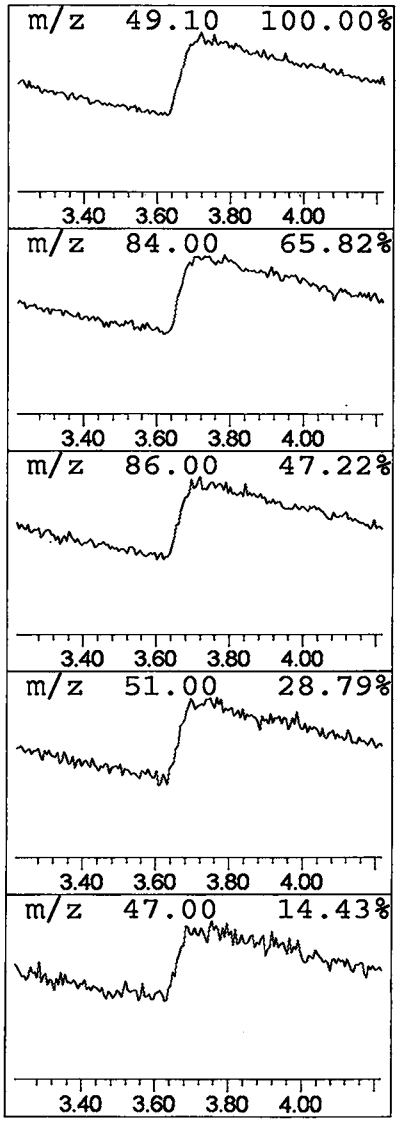
**********

Peak Number 3 Methylene Chloride  Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.72 | 3.81 ug/L | 2531010 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 94 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 91 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 90 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 47 |



Data File : C:\MSDCHEM\1\DATA\060602\12761.D  Vial: 7
Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

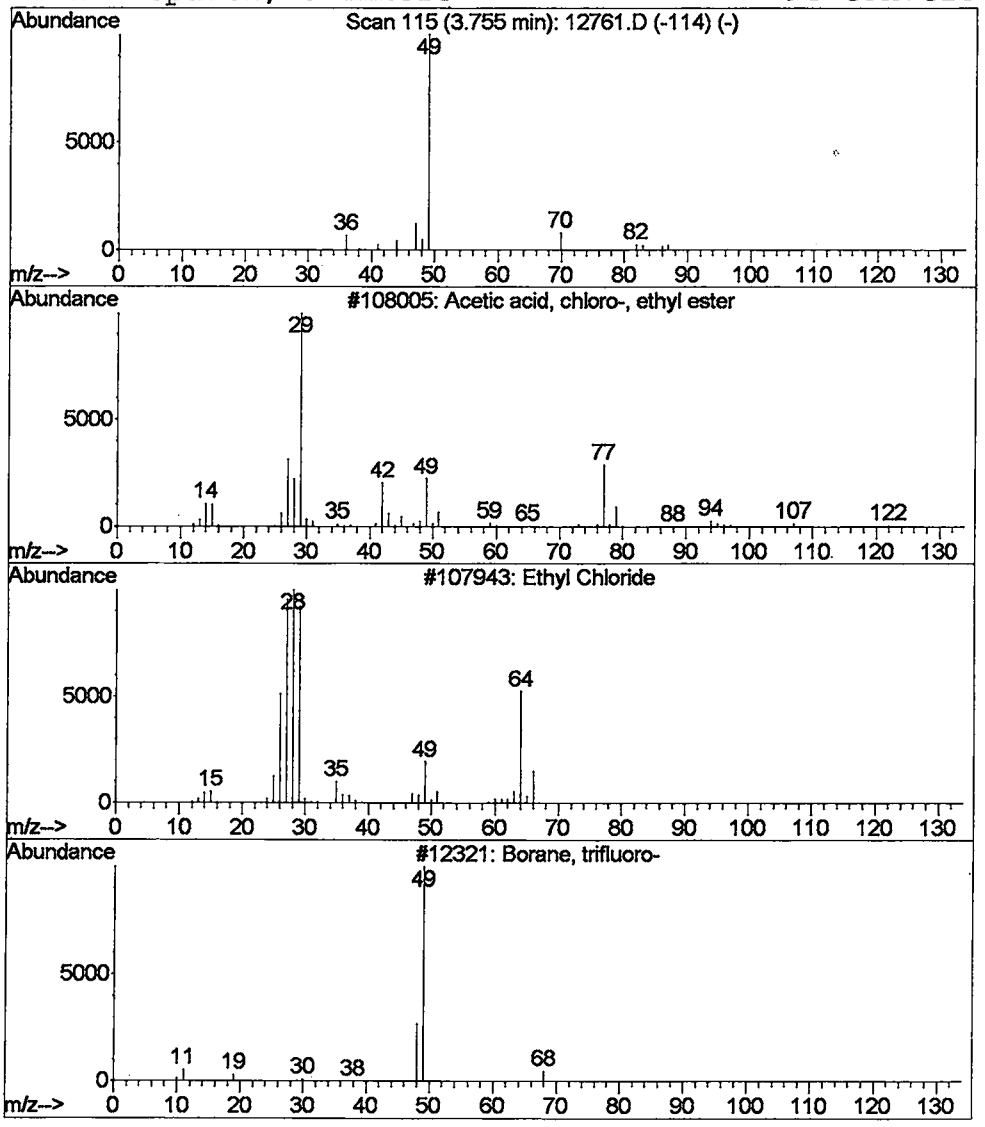
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

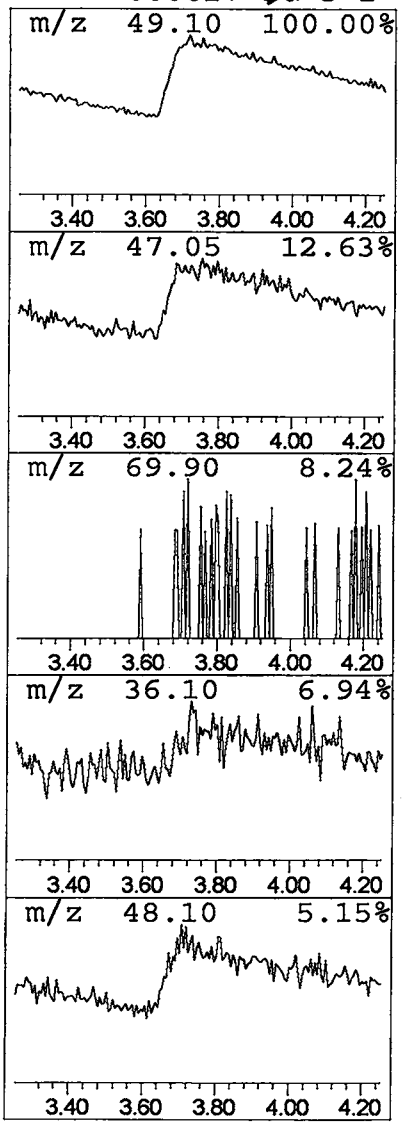
**********

Peak Number 4 Acetic acid, chloro-, ethyl... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.76 | 3.94 ug/L | 2618160 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, chloro-, ethyl ester | 122 | C4H7ClO2 | 000105-39-5 | 1 |
| 2 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 1 |
| 3 | Borane, trifluoro- | 68 | BF3 | 007637-07-2 | 1 |
| 4 | 1-Propanol, 3-chloro- | 94 | C3H7ClO | 000627-30-5 | 1 |



Data File : C:\MSDCHEM\1\DATA\060602\12761.D  Vial: 7
Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

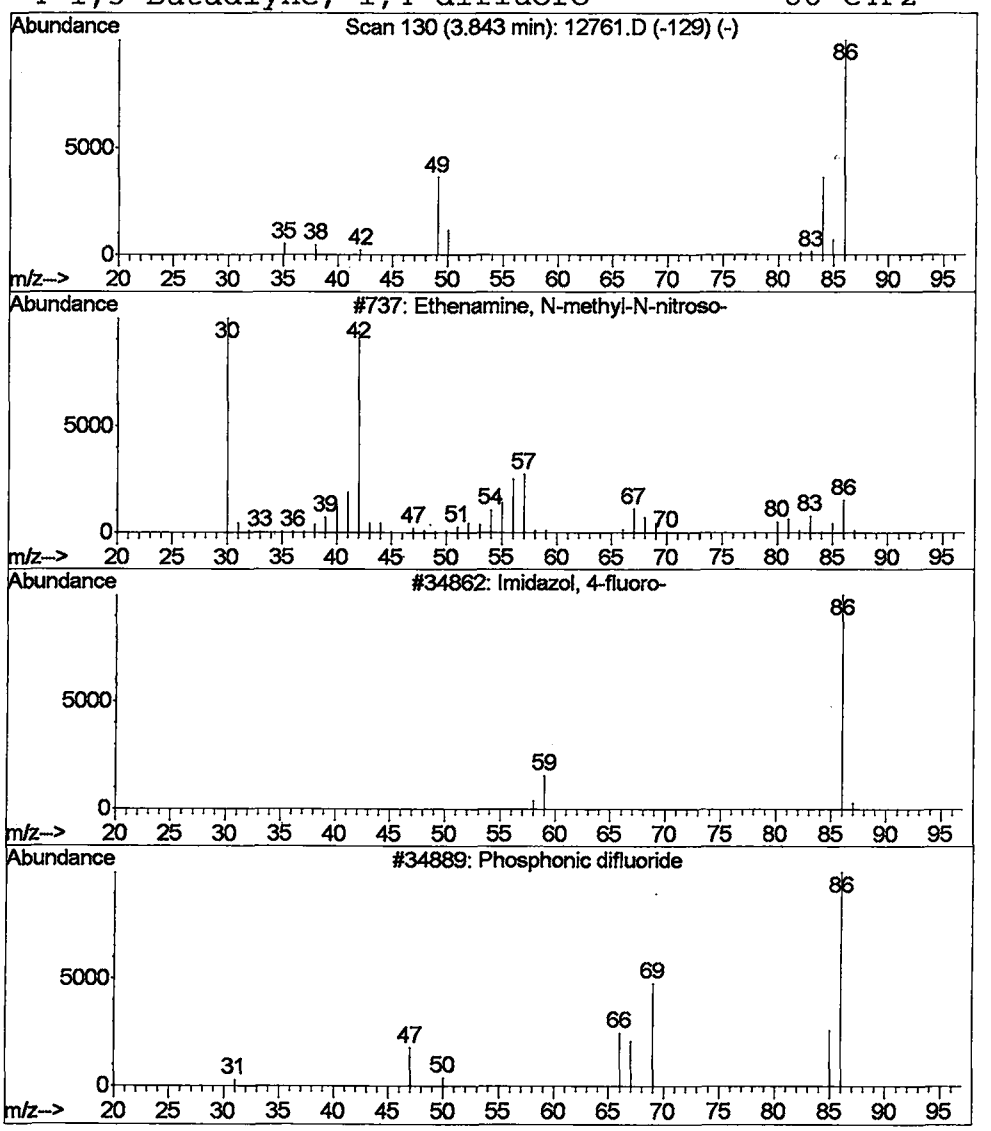
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

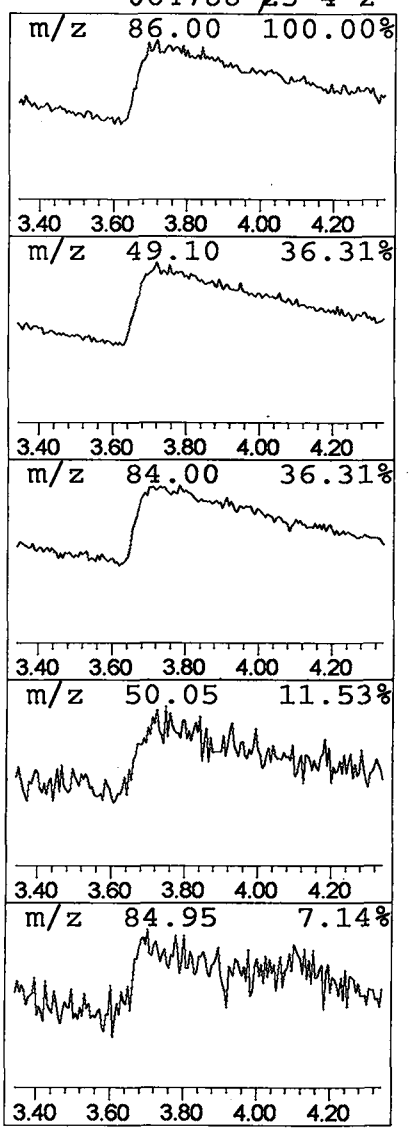
**********

Peak Number 5 Ethenamine, N-methyl-N-nitr... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.84 | 1.81 ug/L | 1202490 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethenamine, N-methyl-N-nitroso- | 86 | C3H6N2O | 004549-40-0 | 3 |
| 2 | Imidazol, 4-fluoro- | 86 | C3H3FN2 | 030086-17-0 | 2 |
| 3 | Phosphonic difluoride | 86 | F2HOP | 014939-34-5 | 2 |
| 4 | 1,3-Butadiyne, 1,4-difluoro- | 86 | C4F2 | 064788-23-4 | 2 |



Library Search Compound Report

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Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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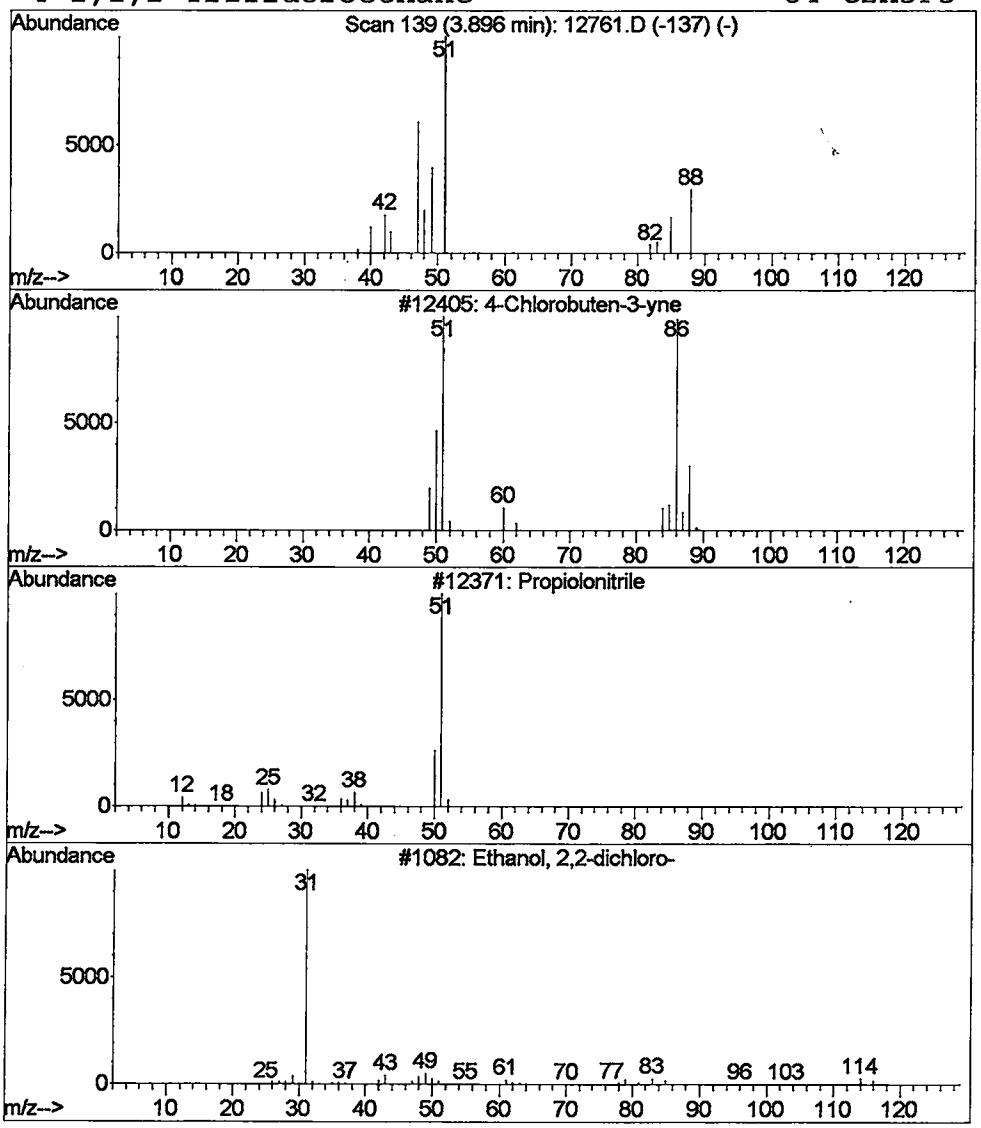
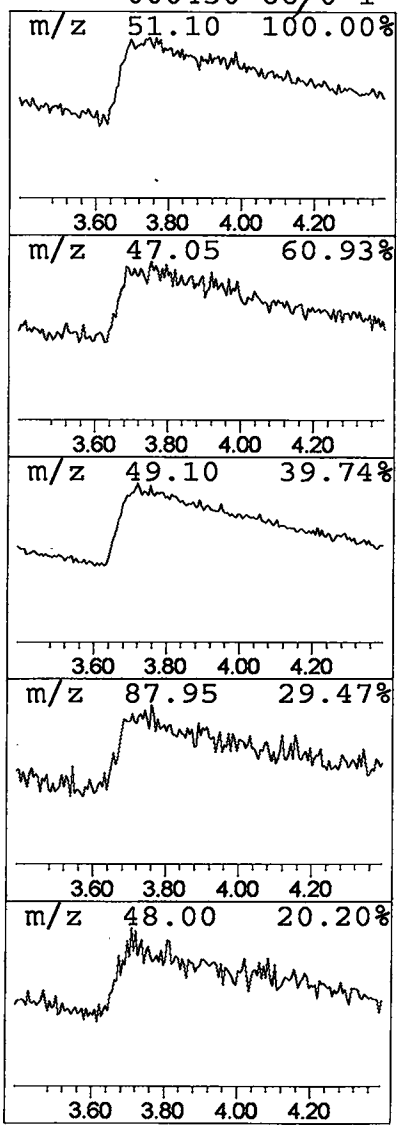
Peak Number 6 4-Chlorobuten-3-yne  Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.89 | 0.83 ug/L | 551941 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chlorobuten-3-yne | 86 | C4H3Cl | 040589-38-6 | 4 |
| 2 | Propiolonitrile | 51 | C3HN | 001070-71-9 | 3 |
| 3 | Ethanol, 2,2-dichloro- | 114 | C2H4Cl2O | 000598-38-9 | 2 |
| 4 | 1,1,2-Trifluoroethane | 84 | C2H3F3 | 000430-66-0 | 1 |



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MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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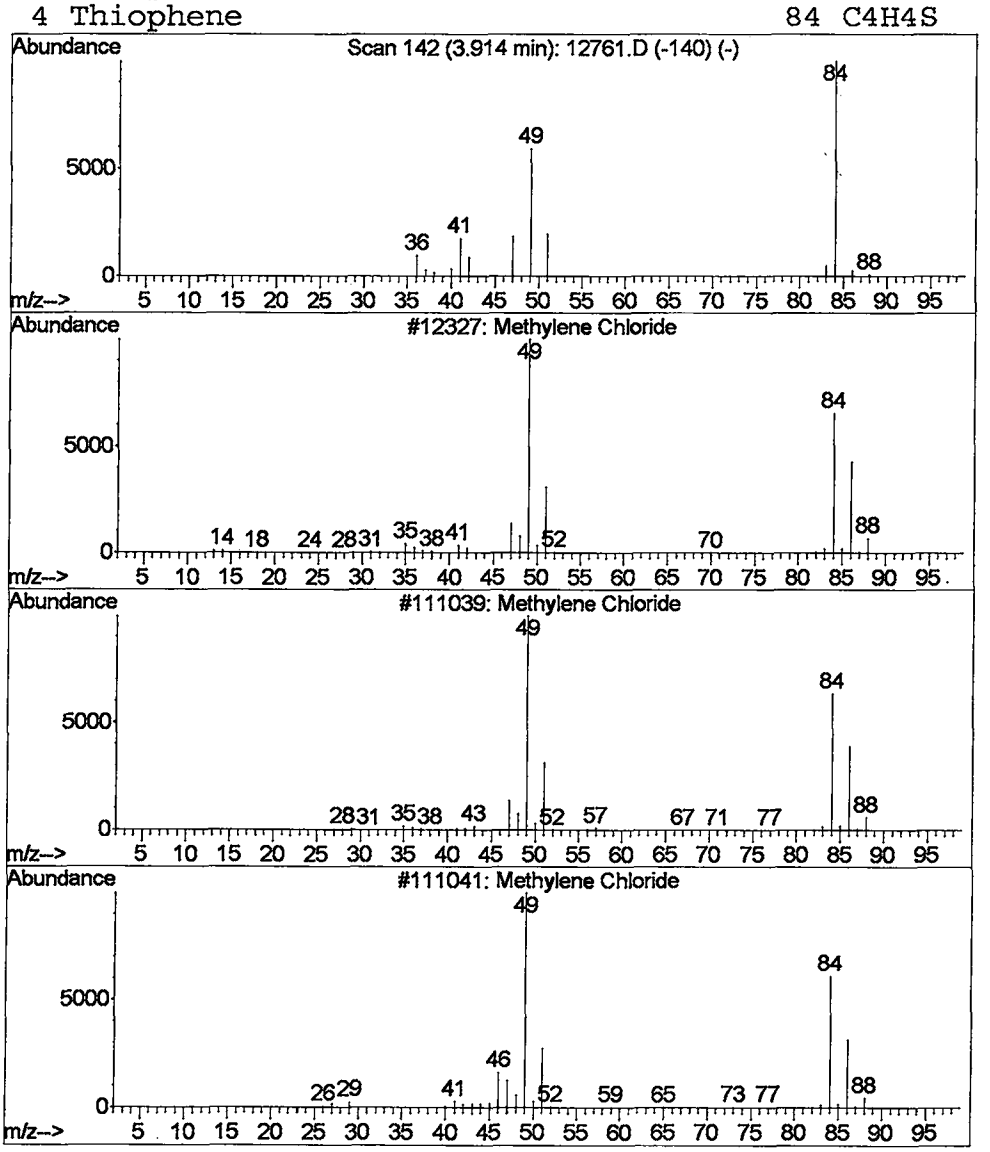
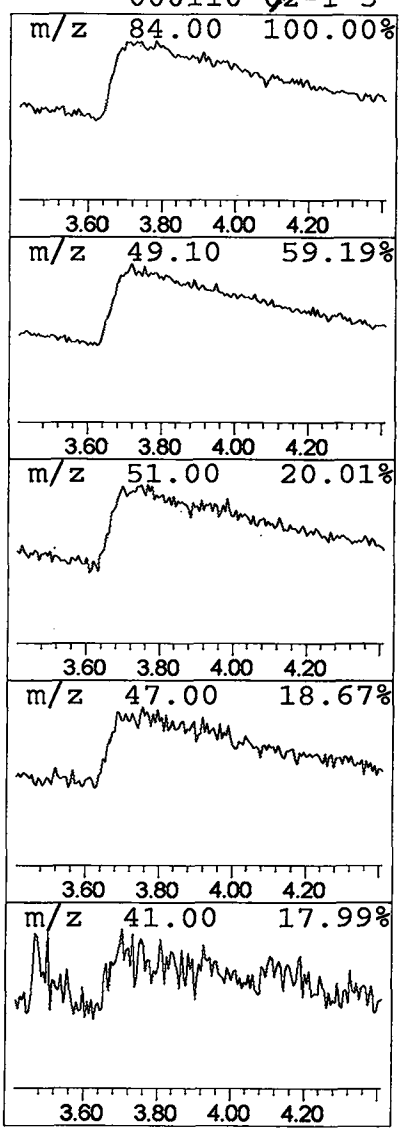
Peak Number 7 Methylene Chloride  Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.92 | 1.42 ug/L | 944161 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 9 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 7 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 7 |
| 4 | Thiophene | 84 | C4H4S | 000110-02-1 | 5 |



Library Search Compound Report

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Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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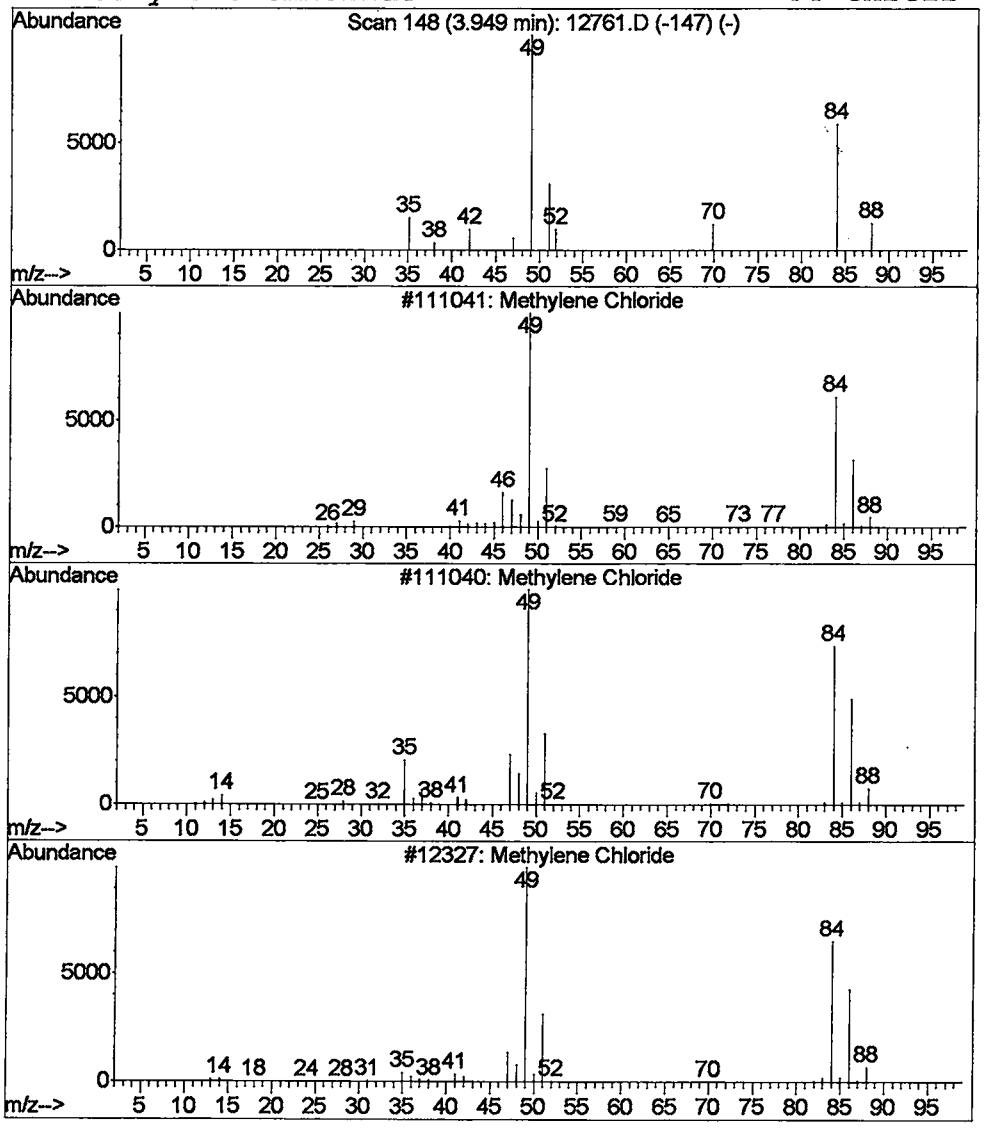
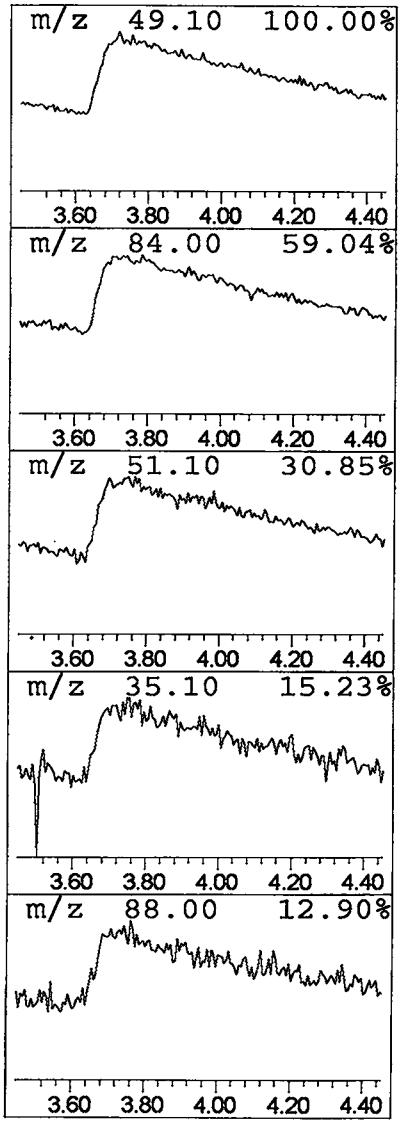
Peak Number 8 Methylene Chloride  Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.95 | 1.75 ug/L | 1162420 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 90 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 83 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 83 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 64 |



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Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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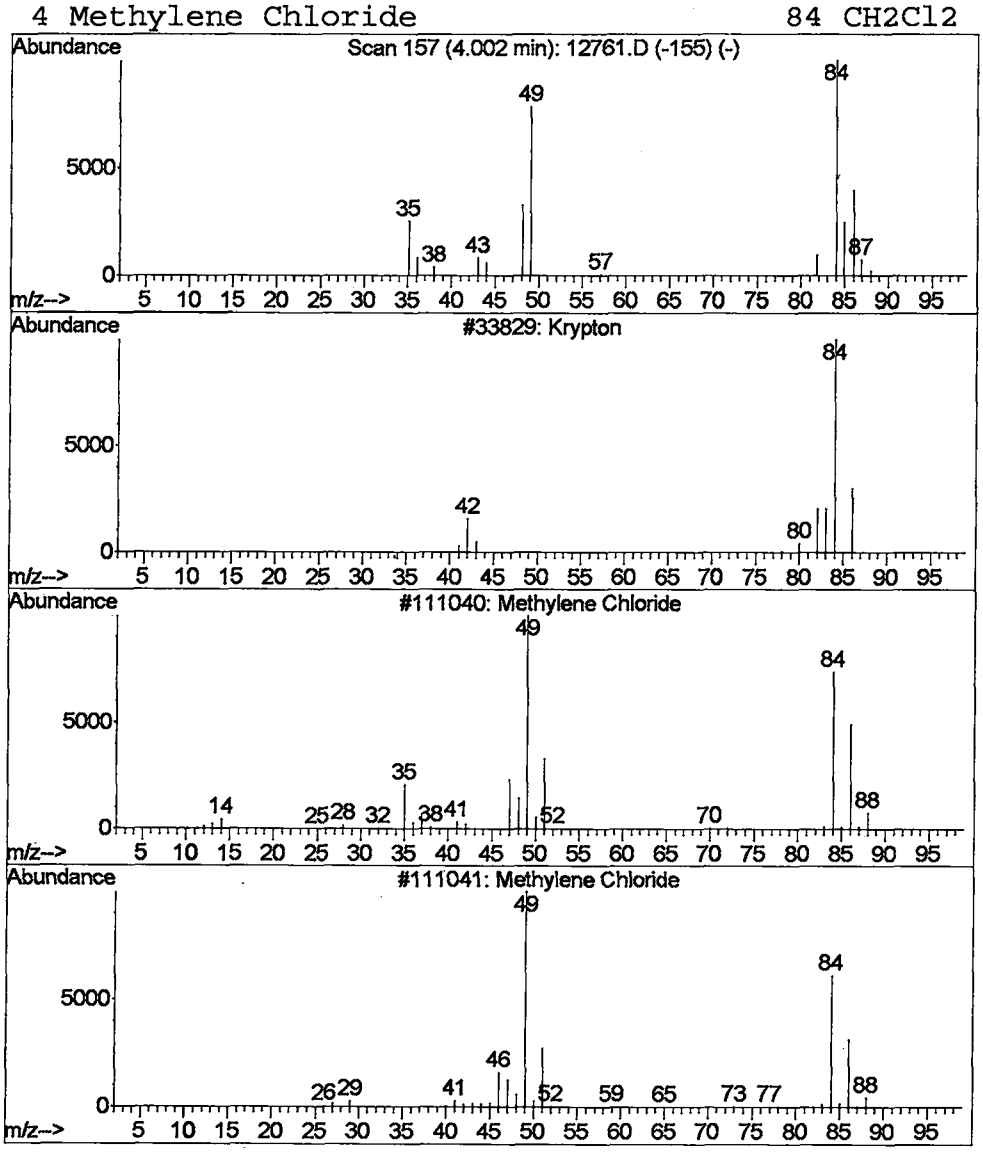
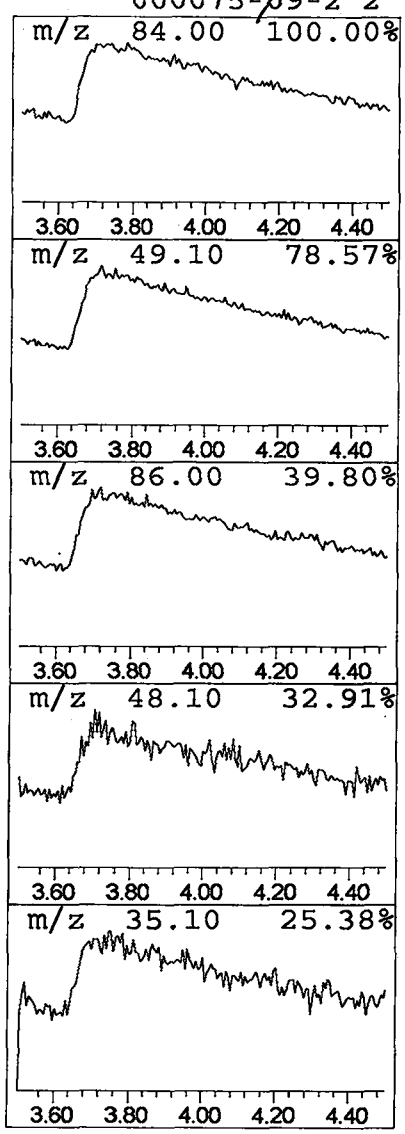
Peak Number 9 Krypton Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.00 | 0.81 ug/L | 536717 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Krypton | 84 | Kr | 007439-90-9 | 7 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 7 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 4 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 2 |



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Sample : 6/3 eh  Inst : Instrumen
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MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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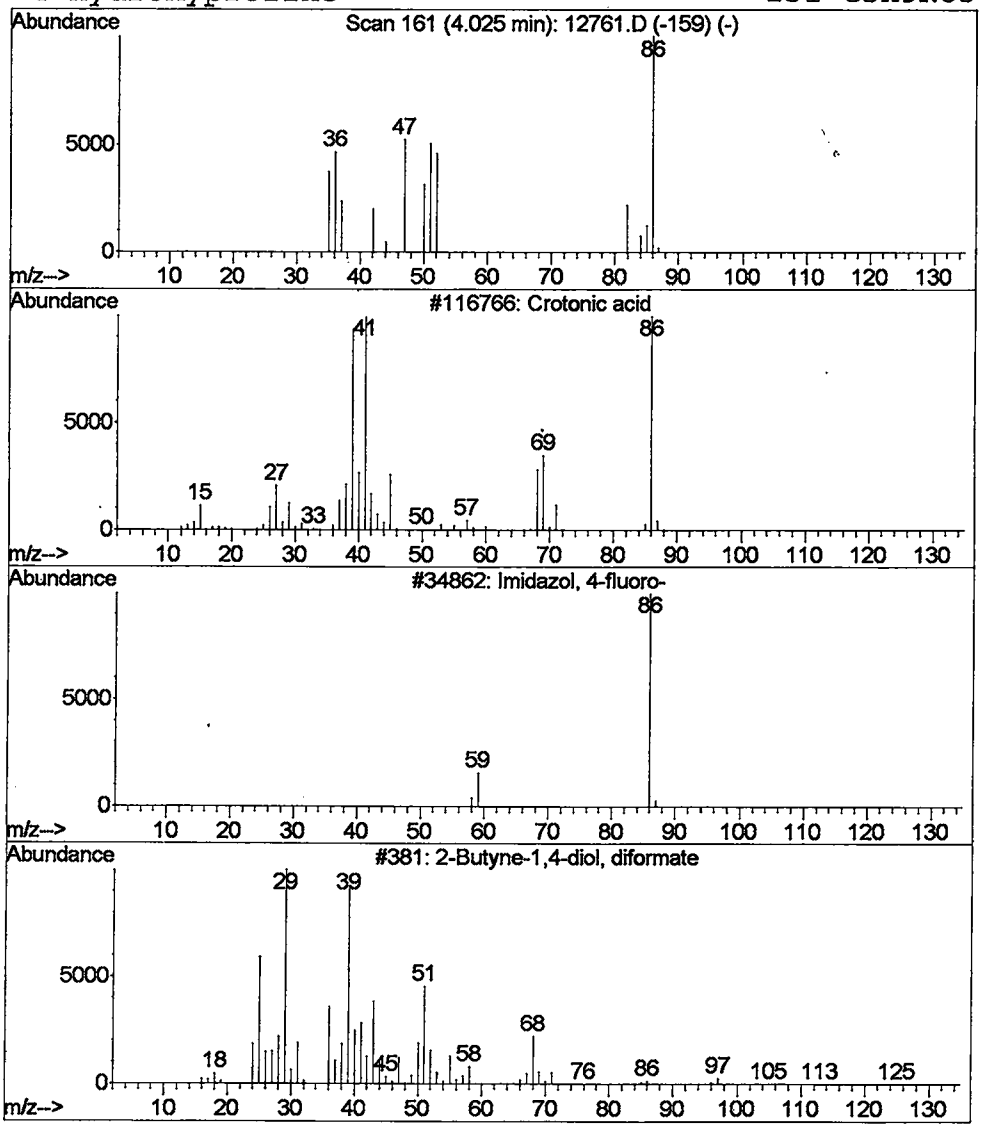
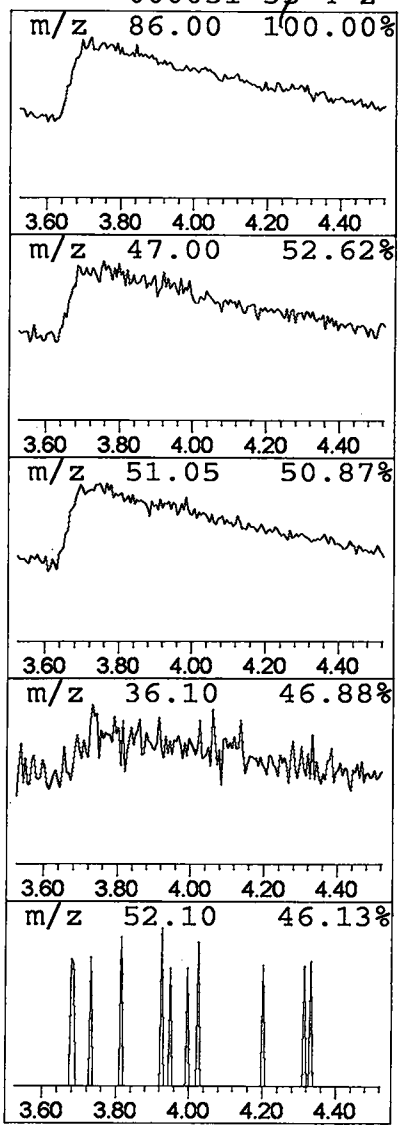
Peak Number 10 Crotonic acid  Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.03 | 2.35 ug/L | 1562560 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Crotonic acid | 86 | C4H6O2 | 003724-65-0 | 4 |
| 2 | Imidazol, 4-fluoro- | 86 | C3H3FN2 | 030086-17-0 | 4 |
| 3 | 2-Butyne-1,4-diol, diformate | 142 | C6H6O4 | 036677-73-3 | 2 |
| 4 | Hydroxyproline | 131 | C5H9NO3 | 000051-35-4 | 2 |



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Acq On : 6 Jun 2002 4:11 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 7
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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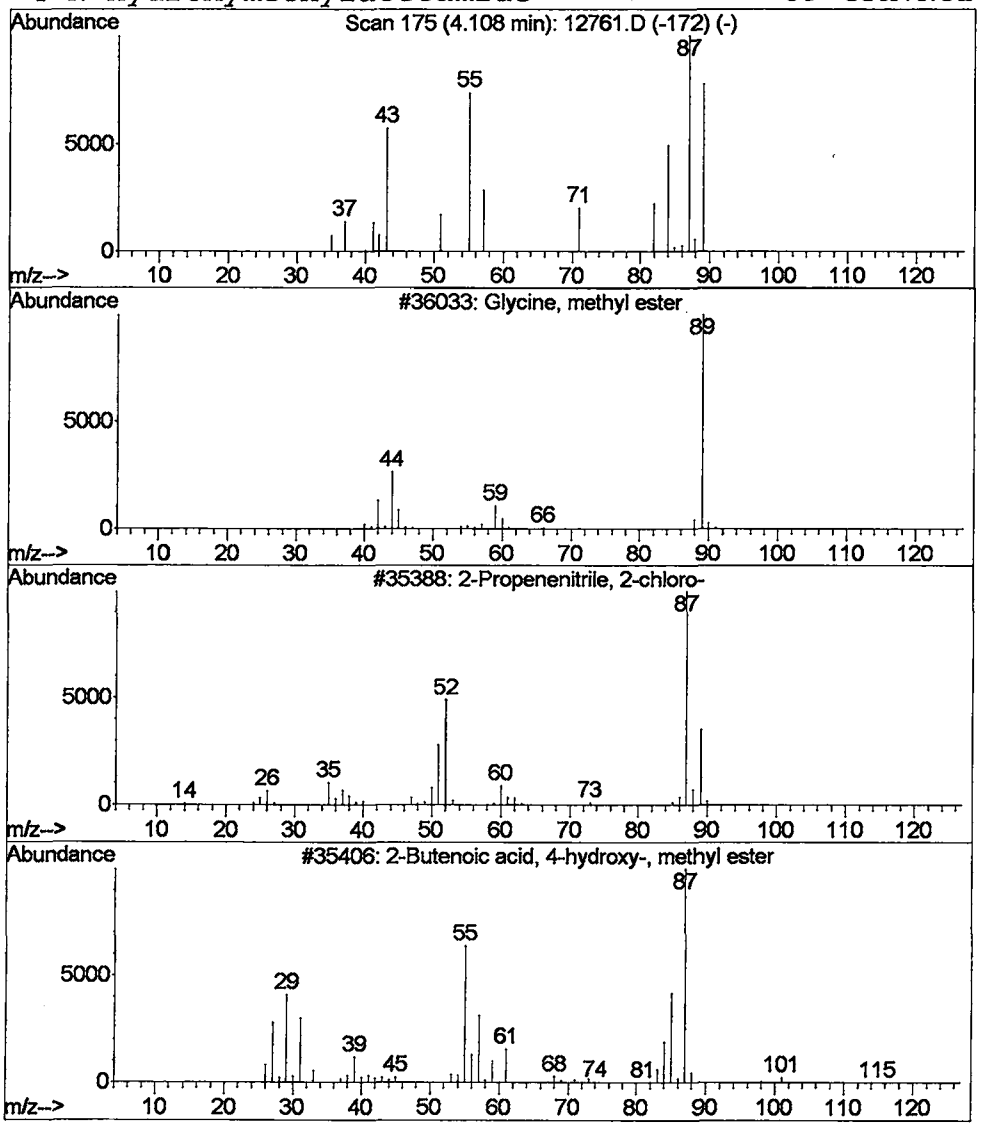
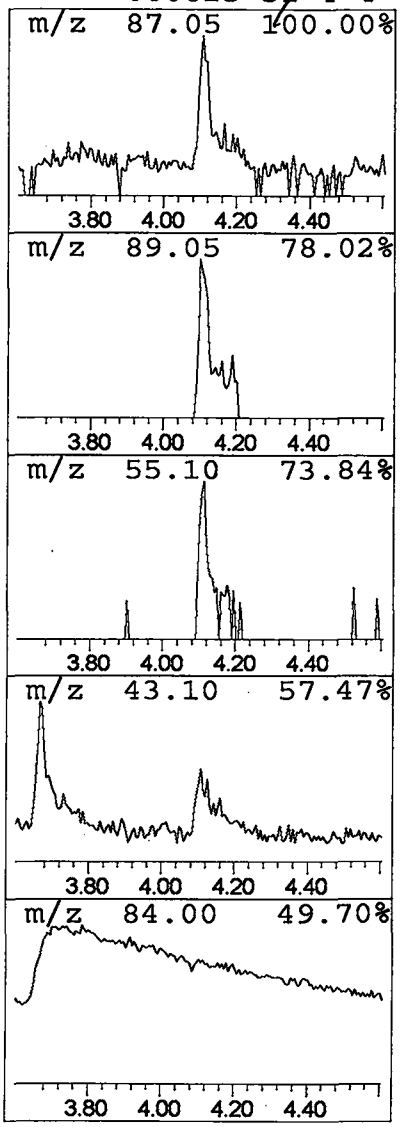
Peak Number 11 Glycine, methyl ester Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.10 | 2.99 ug/L | 1986790 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Glycine, methyl ester | 89 | C3H7NO2 | 000616-34-2 | 4 |
| 2 | 2-Propenenitrile, 2-chloro- | 87 | C3H2ClN | 000920-37-6 | 4 |
| 3 | 2-Butenoic acid, 4-hydroxy-, met... | 116 | C5H8O3 | 004508-99-0 | 4 |
| 4 | N-Hydroxymethylacetamide | 89 | C3H7NO2 | 000625-51-4 | 4 |



Library Search Compound Report

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Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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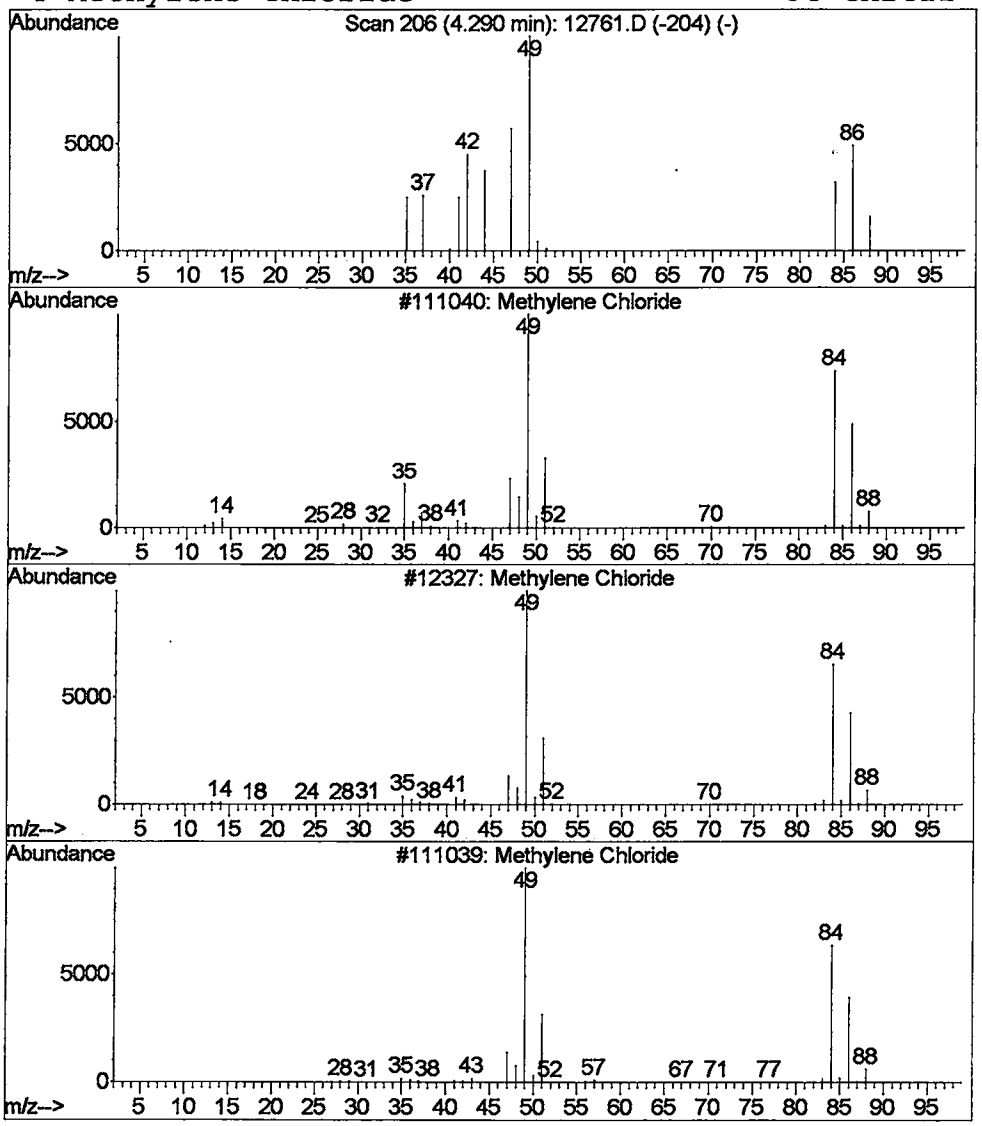
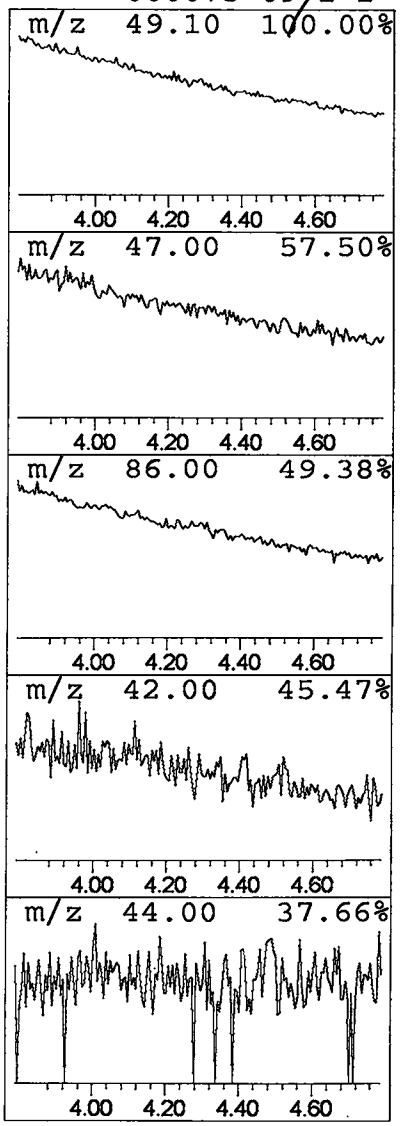
Peak Number 12 Methylene Chloride  Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.29 | 1.10 ug/L | 731323 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 53 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 4 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 4 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 2 |



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Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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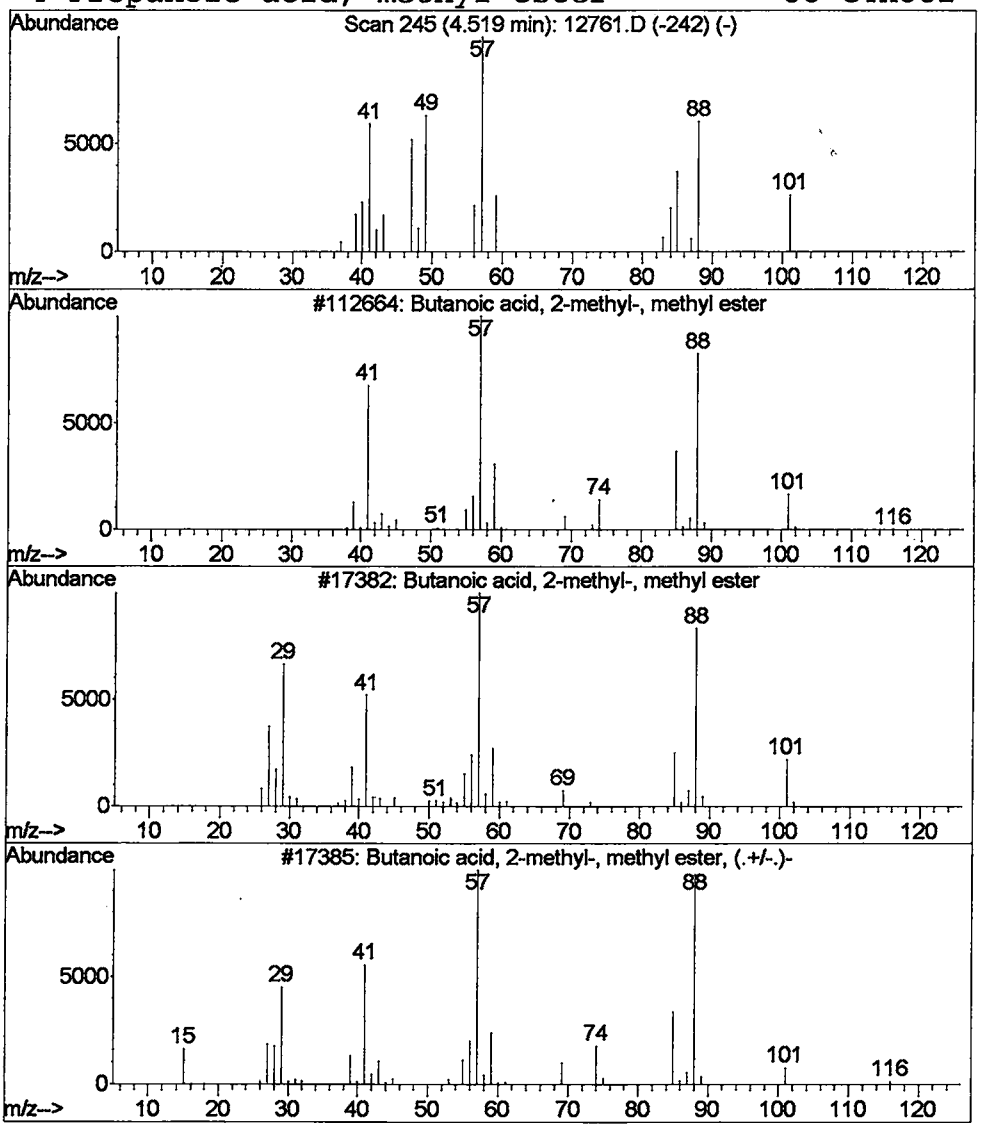
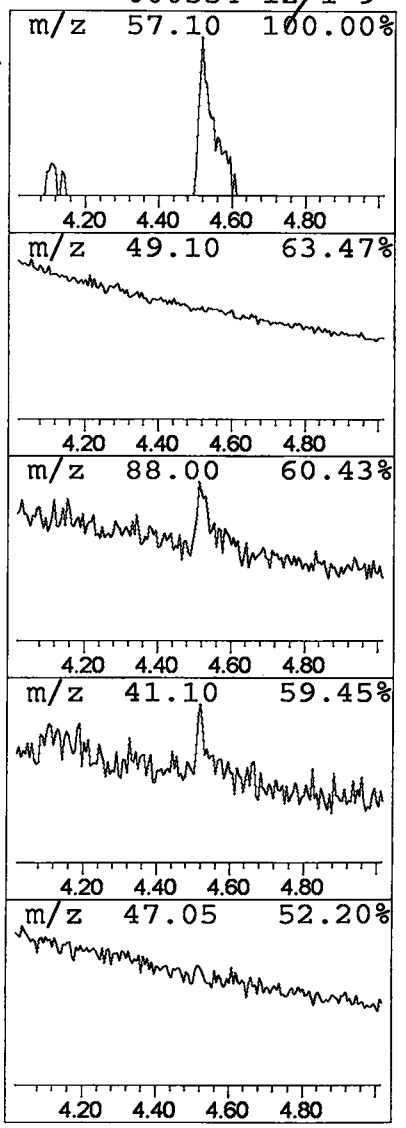
Peak Number 13 Butanoic acid, 2-methyl-, m... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.52 | 1.23 ug/L | 815557 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, 2-methyl-, methyl... | 116 | C6H12O2 | 000868-57-5 | 14 |
| 2 | Butanoic acid, 2-methyl-, methyl... | 116 | C6H12O2 | 000868-57-5 | 12 |
| 3 | Butanoic acid, 2-methyl-, methyl... | 116 | C6H12O2 | 053955-81-0 | 10 |
| 4 | Propanoic acid, methyl ester | 88 | C4H8O2 | 000554-12-1 | 9 |



Library Search Compound Report

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Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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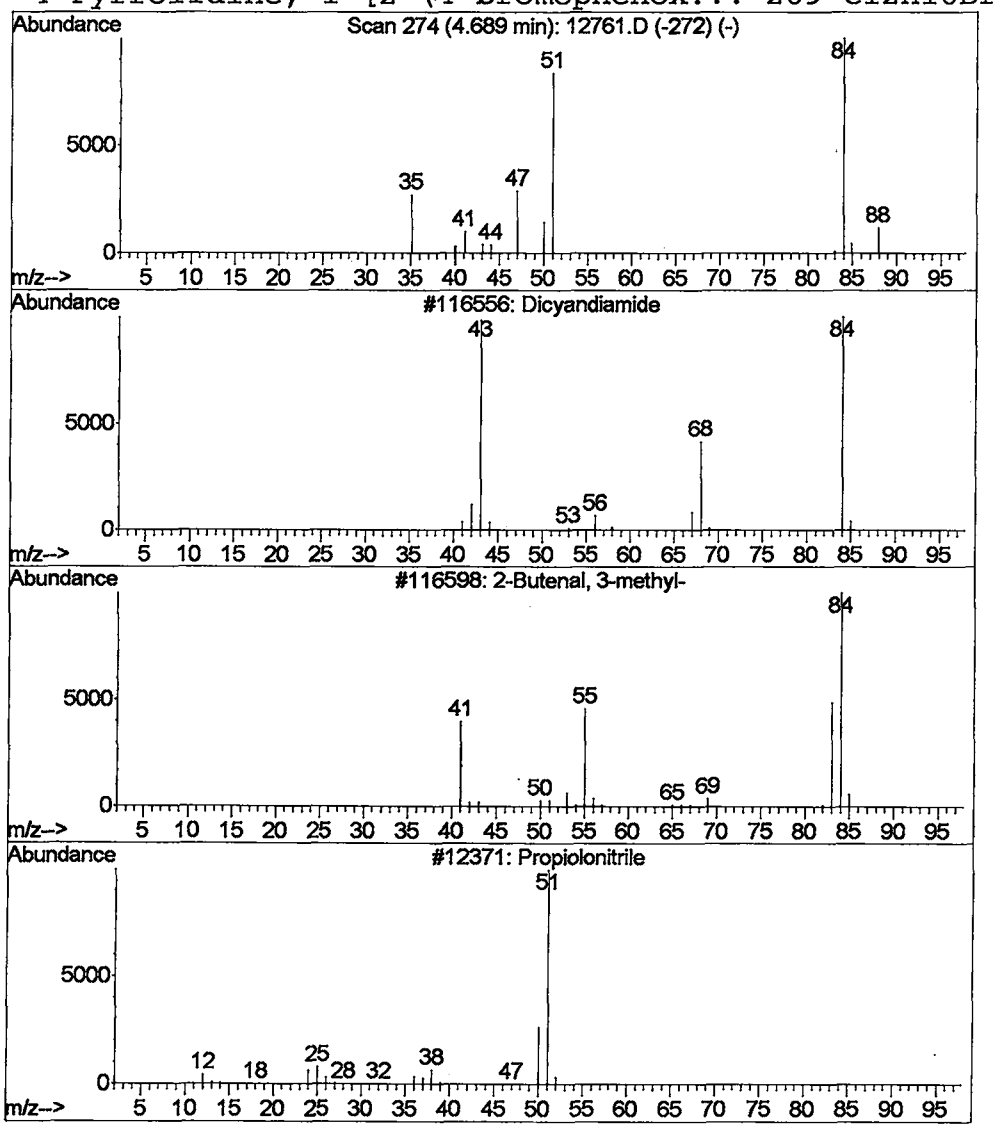
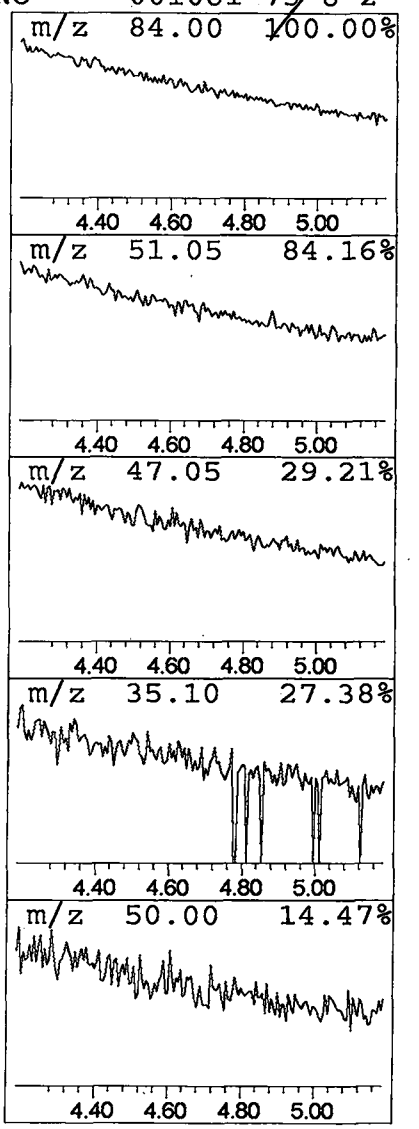
Peak Number 14 Dicyandiamide  Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.69 | 0.94 ug/L | 625967 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dicyandiamide | 84 | C2H4N4 | 000461-58-5 | 5 |
| 2 | 2-Butenal, 3-methyl- | 84 | C5H8O | 000107-86-8 | 4 |
| 3 | Propiolonitrile | 51 | C3HN | 001070-71-9 | 3 |
| 4 | Pyrrolidine, 1-[2-(4-bromophenox... | 269 | C12H16BrNO | 001081-73-8 | 2 |



Library Search Compound Report

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Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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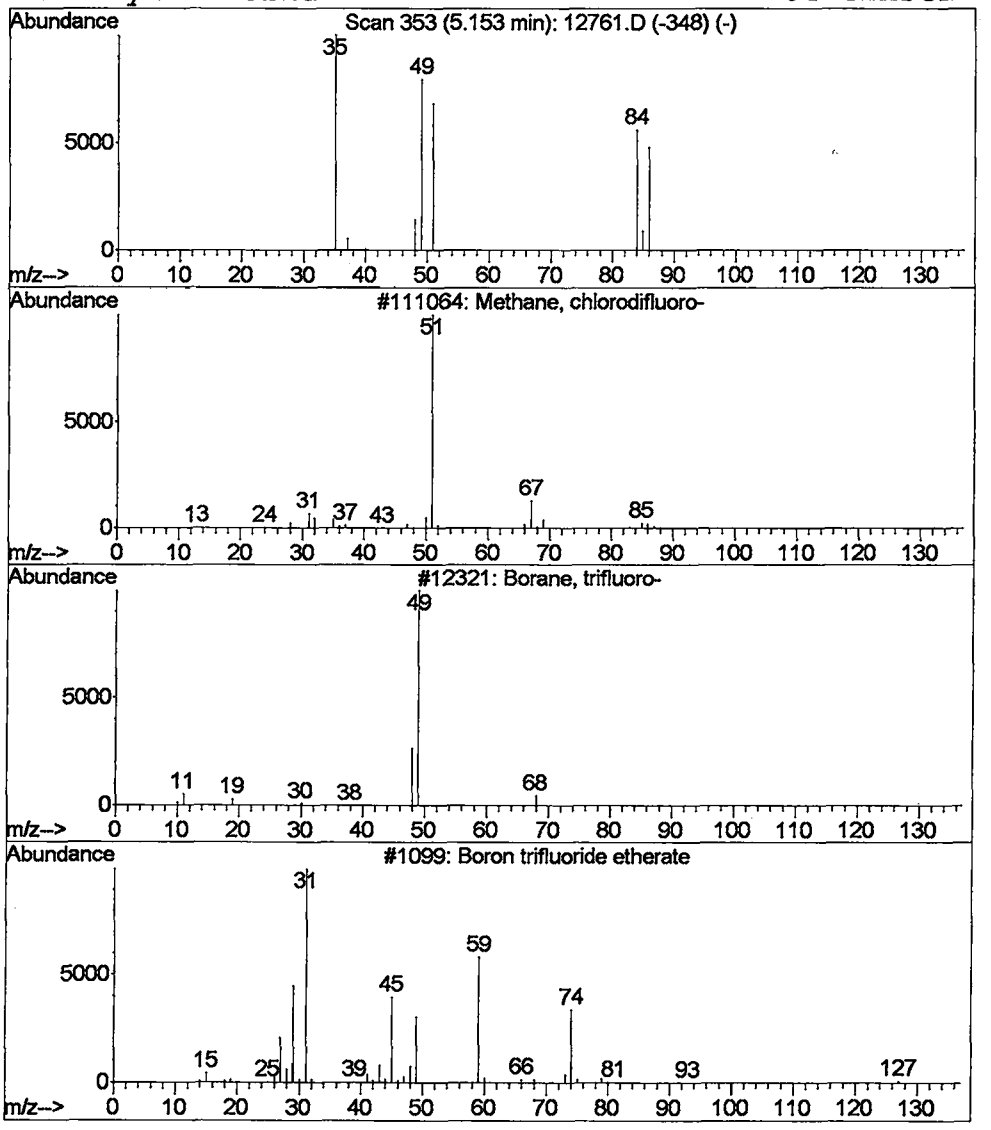
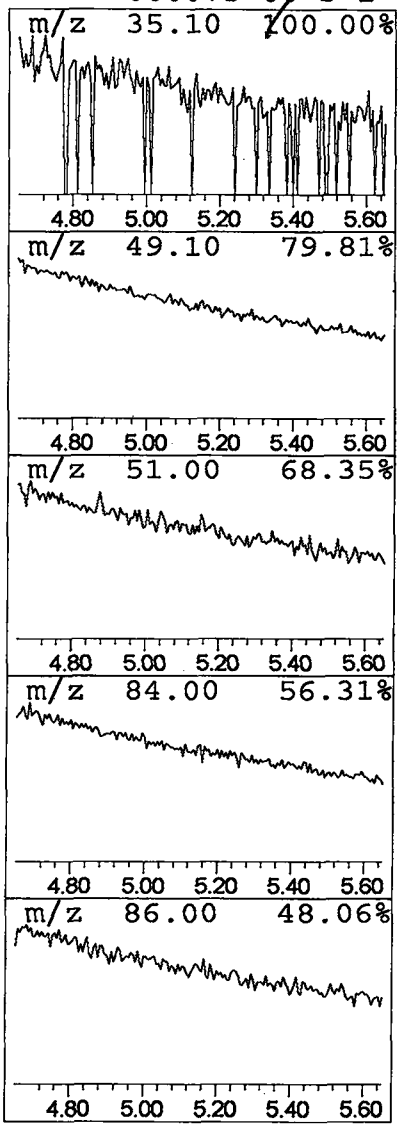
Peak Number 15 Methane, chlorodifluoro- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.15 | 0.67 ug/L | 443912 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methane, chlorodifluoro- | 86 | CHClF2 | 000075-45-6 | 5 |
| 2 | Borane, trifluoro- | 68 | BF3 | 007637-07-2 | 2 |
| 3 | Boron trifluoride etherate | 142 | C4H10BF3O | 000109-63-7 | 2 |
| 4 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 2 |



Library Search Compound Report

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Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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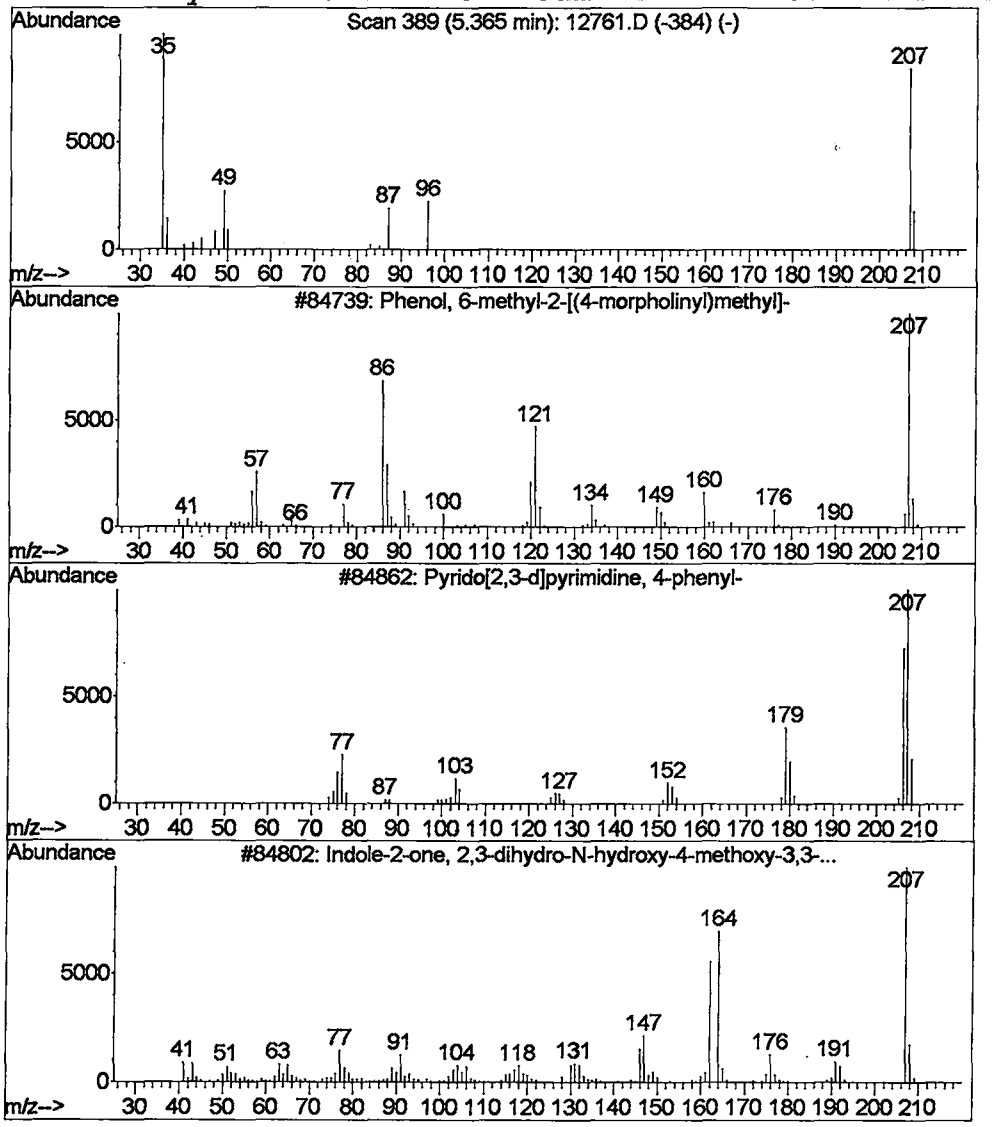
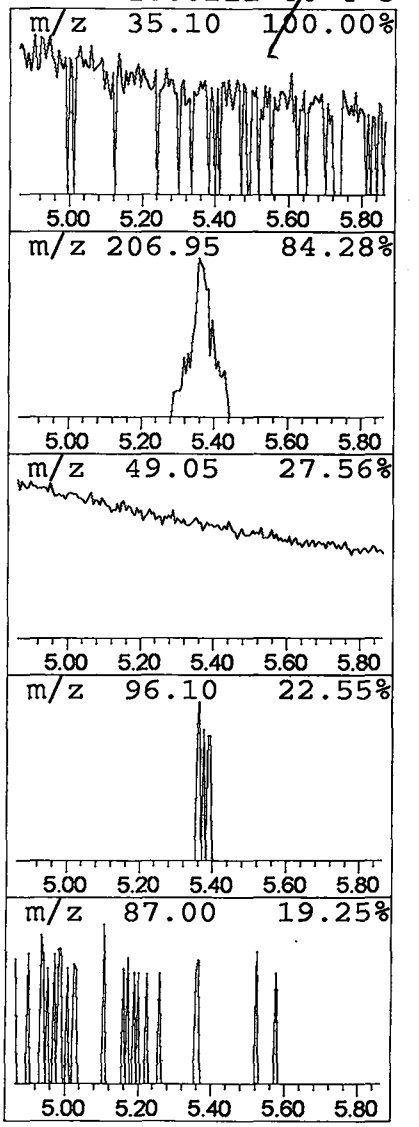
Peak Number 16 Phenol, 6-methyl-2-[(4-morp... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.36 | 0.32 ug/L | 215578 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 6-methyl-2-[(4-morpholin... | 207 | C12H17NO2 | 060460-71-1 | 9 |
| 2 | Pyrido[2,3-d]pyrimidine, 4-phenyl- | 207 | C13H9N3 | 028732-75-4 | 5 |
| 3 | Indole-2-one, 2,3-dihydro-N-hydr... | 207 | C11H13NO3 | 1000129-52-1 | 5 |
| 4 | N-Methyl-1-adamantaneacetamide | 207 | C13H21NO | 1000211-60-4 | 5 |



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Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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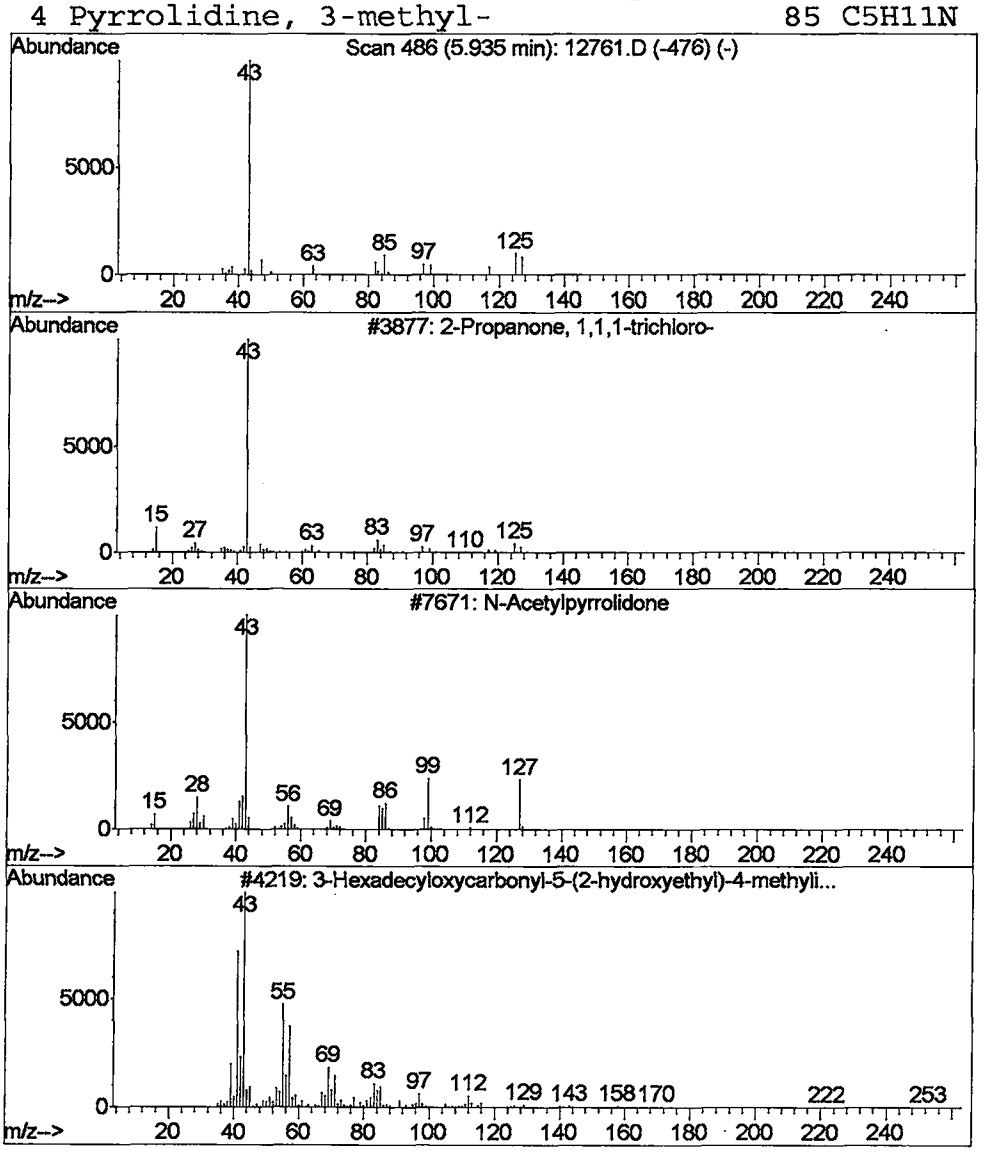
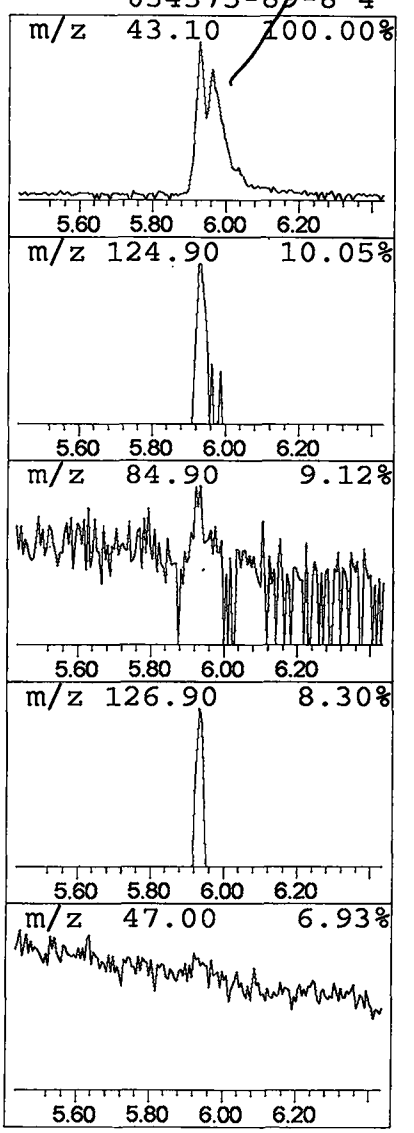
Peak Number 17 2-Propanone, 1,1,1-trichloro- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 0.24 ug/L | 160928 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 40 |
| 2 | N-Acetylpyrrolidone | 127 | C6H9NO2 | 000932-17-2 | 4 |
| 3 | 3-Hexadecyloxycarbonyl-5-(2-hydr... | 409 | C24H45N2O3 | 1000222-82-8 | 4 |
| 4 | Pyrrolidine, 3-methyl- | 85 | C5H11N | 034375-89-8 | 4 |



Library Search Compound Report

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Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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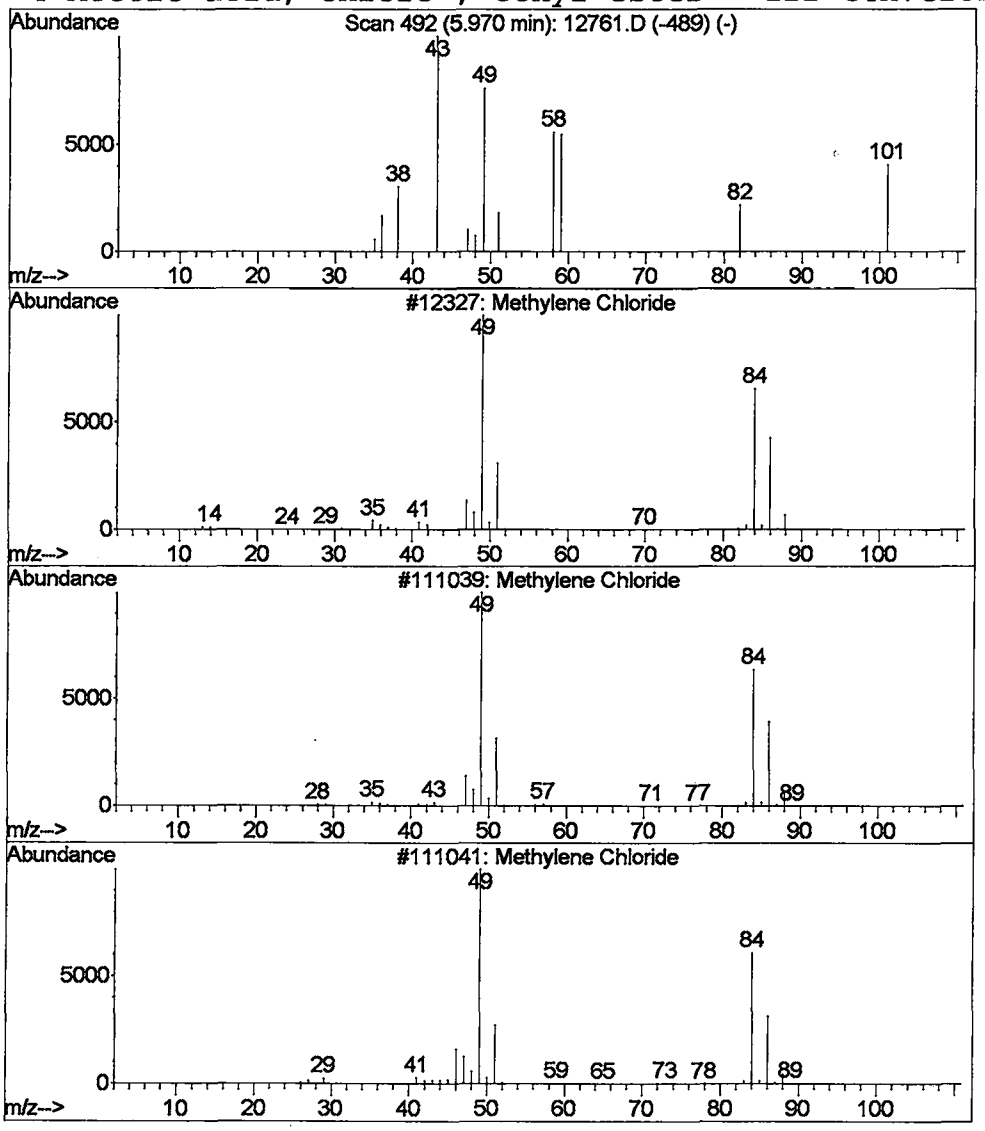
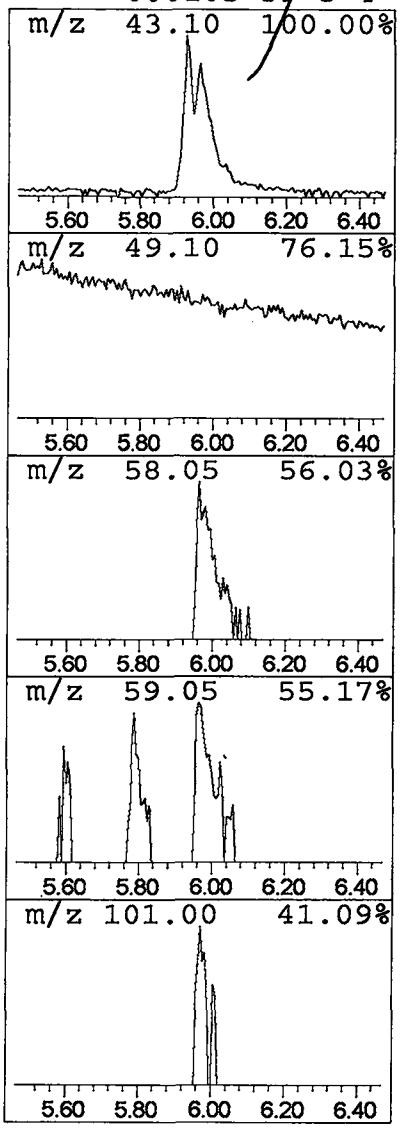
Peak Number 18 Methylene Chloride  Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.97 | 0.27 ug/L | 182225 | 1,4-dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 47 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 47 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 28 |
| 4 | Acetic acid, chloro-, ethyl ester | 122 | C4H7ClO2 | 000105-39-5 | 4 |



Data File : C:\MSDCHEM\1\DATA\060602\12761.D  Vial: 7
Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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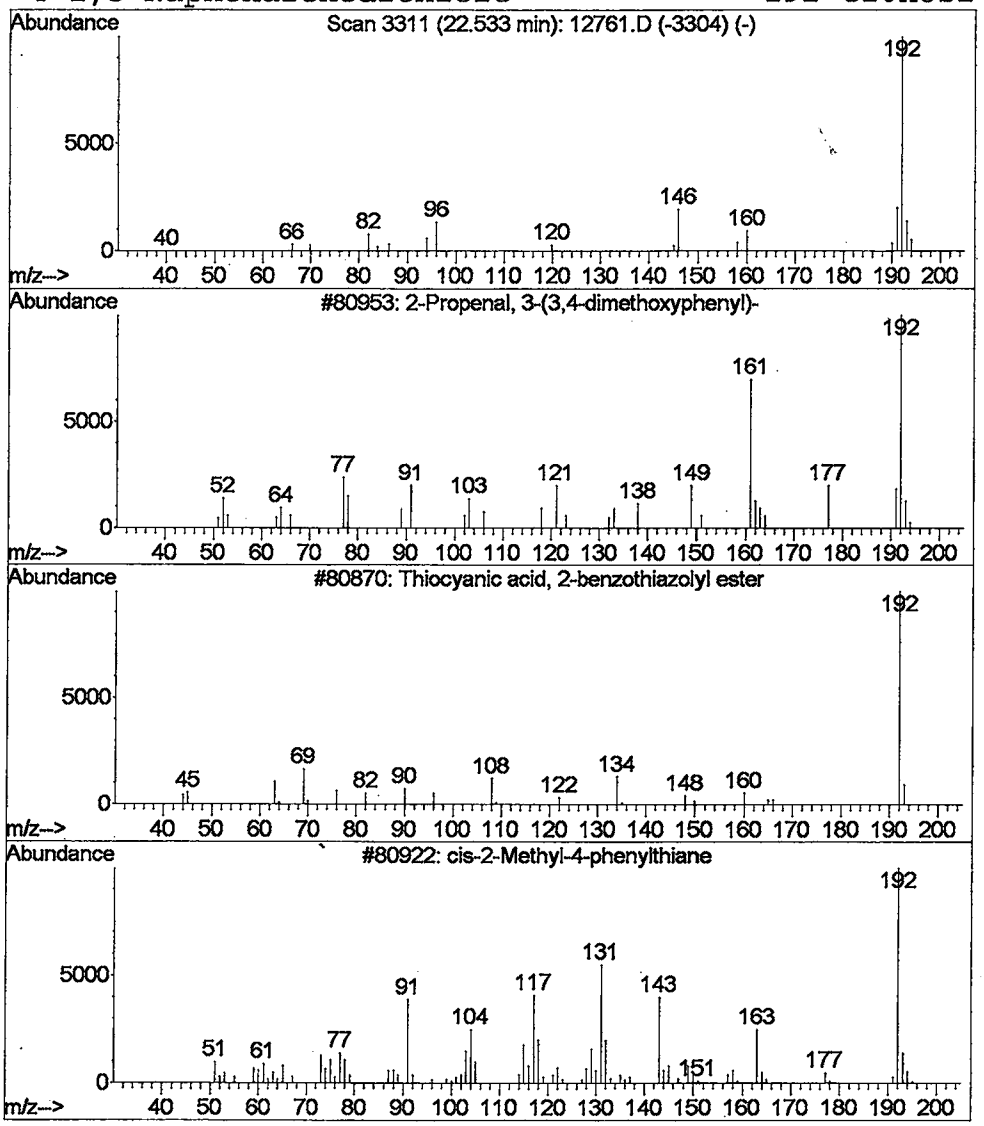
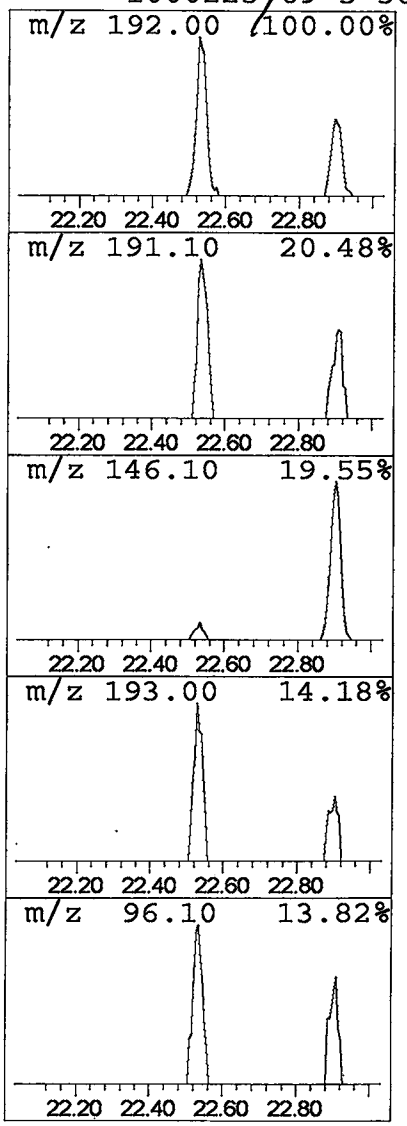
Peak Number 19 2-Propenal, 3-(3,4-dimethox... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.53 | 0.24 ug/L | 237771 | Phenanthranene-d10 | 22.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 3-(3,4-dimethoxyphen... | 192 | C11H12O3 | 004497-40-8 | 40 |
| 2 | Thiocyanic acid, 2-benzothiazoly... | 192 | C8H4N2S2 | 006011-99-0 | 38 |
| 3 | cis-2-Methyl-4-phenylthiane | 192 | C12H16S | 076097-69-3 | 37 |
| 4 | 1,5-Naphthalenedithiole | 192 | C10H8S2 | 1000223-69-5 | 36 |



Data File : C:\MSDCHEM\1\DATA\060602\12761.D  Vial: 7
Acq On : 6 Jun 2002 4:11 pm  Operator: McLean
Sample : 6/3 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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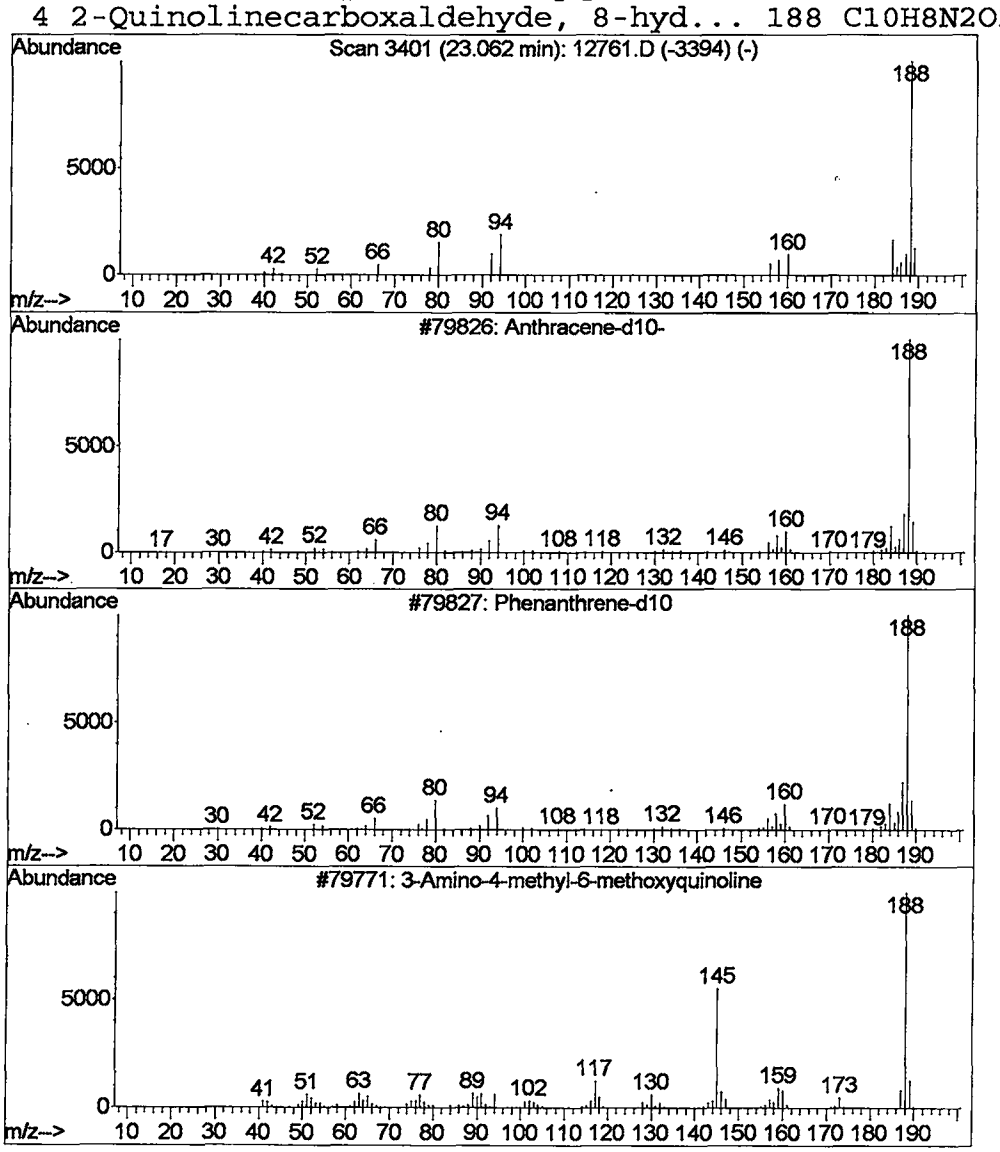
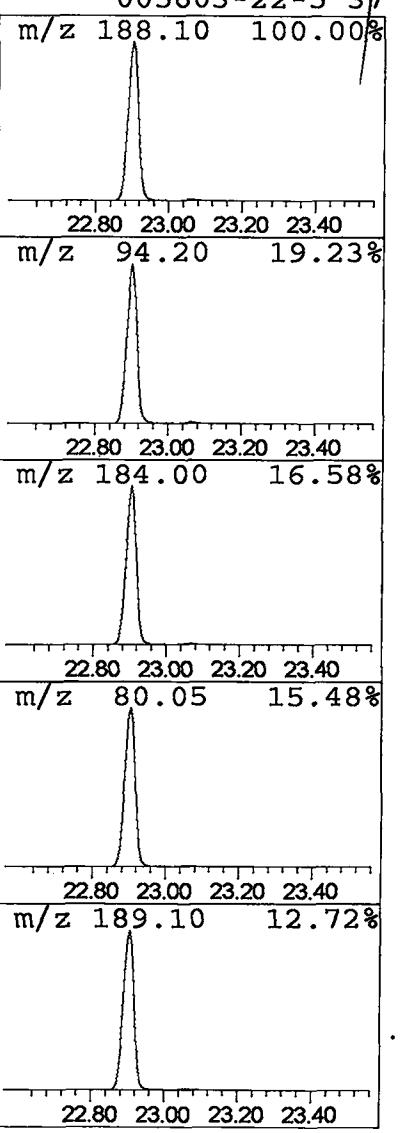
Peak Number 20 Anthracene-d10- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.06 | 0.30 ug/L | 300343 | Phenanthranene-d10 | 22.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 87 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 47 |
| 3 | 3-Amino-4-methyl-6-methoxyquinoline | 188 | C11H12N2O | 1000213-71-3 | 40 |
| 4 | 2-Quinolinecarboxaldehyde, 8-hyd... | 188 | C10H8N2O2 | 005603-22-5 | 37 |



Tentatively Identified Compound (TIC) Summary

Operator ID: McLean Date Acquired: 6 Jun 2002 4:11 pm
Data File: C:\MSDCHEM\1\DATA\060602\12761.D
Name: 6/3 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| Pentanoic acid, m... | 3.47 | 0.3 | ug/L | 204475 | 1 | 9.90 | 26585000 | 40.0 |
| Methylene Chloride | 3.53 | 0.3 | ug/L | 181201 | 1 | 9.90 | 26585000 | 40.0 |
| Methylene Chloride | 3.72 | 3.8 | ug/L | 2531010 | 1 | 9.90 | 26585000 | 40.0 |
| Acetic acid, chlo... | 3.76 | 3.9 | ug/L | 2618160 | 1 | 9.90 | 26585000 | 40.0 |
| Ethenamine, N-met... | 3.84 | 1.8 | ug/L | 1202490 | 1 | 9.90 | 26585000 | 40.0 |
| 4-Chlorobuten-3-yne | 3.89 | 0.8 | ug/L | 551941 | 1 | 9.90 | 26585000 | 40.0 |
| Methylene Chloride | 3.92 | 1.4 | ug/L | 944161 | 1 | 9.90 | 26585000 | 40.0 |
| Methylene Chloride | 3.95 | 1.7 | ug/L | 1162420 | 1 | 9.90 | 26585000 | 40.0 |
| Krypton | 4.00 | 0.8 | ug/L | 536717 | 1 | 9.90 | 26585000 | 40.0 |
| Crotonic acid | 4.03 | 2.4 | ug/L | 1562560 | 1 | 9.90 | 26585000 | 40.0 |
| Glycine, methyl e... | 4.10 | 3.0 | ug/L | 1986790 | 1 | 9.90 | 26585000 | 40.0 |
| Methylene Chloride | 4.29 | 1.1 | ug/L | 731323 | 1 | 9.90 | 26585000 | 40.0 |
| Butanoic acid, 2-... | 4.52 | 1.2 | ug/L | 815557 | 1 | 9.90 | 26585000 | 40.0 |
| Dicyandiamide | 4.69 | 0.9 | ug/L | 625967 | 1 | 9.90 | 26585000 | 40.0 |
| Methane, chlorodi... | 5.15 | 0.7 | ug/L | 443912 | 1 | 9.90 | 26585000 | 40.0 |
| Phenol, 6-methyl-... | 5.36 | 0.3 | ug/L | 215578 | 1 | 9.90 | 26585000 | 40.0 |
| 2-Propanone, 1,1,... | 5.93 | 0.2 | ug/L | 160928 | 1 | 9.90 | 26585000 | 40.0 |
| Methylene Chloride | 5.97 | 0.3 | ug/L | 182225 | 1 | 9.90 | 26585000 | 40.0 |
| 2-Propenal, 3-(3,... | 22.53 | 0.2 | ug/L | 237771 | 4 | 22.91 | 39431200 | 40.0 |
| Anthracene-d10- | 23.06 | 0.3 | ug/L | 300343 | 4 | 22.91 | 39431200 | 40.0 |