

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY110719\  
 Data File : VY000574.D  
 Acq On : 07 Nov 2019 12:52  
 Operator : SY/MD  
 Sample : K5723-05  
 Misc : 7.42G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 8-B

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Title : SW846 8260

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         | 1.859       | 16            | 20          | 28           | rVB      | 9384           | 16278         | 1.13%           | 0.187%        |
| 2         | 2.225       | 75            | 80          | 89           | rVB5     | 5719           | 15059         | 1.04%           | 0.173%        |
| 3         | 4.724       | 481           | 490         | 500          | rBV3     | 34388          | 105694        | 7.32%           | 1.217%        |
| 4         | 5.761       | 648           | 660         | 667          | rBV3     | 31551          | 99245         | 6.87%           | 1.143%        |
| 5         | 7.730       | 974           | 983         | 989          | rBV      | 190443         | 450363        | 31.17%          | 5.185%        |
| 6         | 7.803       | 989           | 995         | 1007         | rVB      | 316283         | 723125        | 50.05%          | 8.326%        |
| 7         | 8.157       | 1043          | 1053        | 1063         | rBV      | 195968         | 436118        | 30.18%          | 5.021%        |
| 8         | 8.699       | 1133          | 1142        | 1152         | rBV      | 528928         | 1027271       | 71.10%          | 11.828%       |
| 9         | 10.181      | 1378          | 1385        | 1393         | rBV      | 829543         | 1419432       | 98.24%          | 16.343%       |
| 10        | 11.492      | 1594          | 1600        | 1616         | rVB      | 793064         | 1444835       | 100.00%         | 16.636%       |
| 11        | 12.479      | 1756          | 1762        | 1779         | rVB      | 561463         | 1017765       | 70.44%          | 11.718%       |
| 12        | 13.101      | 1857          | 1864        | 1877         | rVB8     | 77374          | 307797        | 21.30%          | 3.544%        |
| 13        | 13.424      | 1912          | 1917        | 1924         | rVB      | 623087         | 935753        | 64.77%          | 10.774%       |
| 14        | 13.778      | 1964          | 1975        | 1986         | rBV4     | 49766          | 221571        | 15.34%          | 2.551%        |
| 15        | 14.680      | 2116          | 2123        | 2127         | rBV9     | 8597           | 21852         | 1.51%           | 0.252%        |
| 16        | 14.869      | 2149          | 2154        | 2161         | rVB9     | 10060          | 20632         | 1.43%           | 0.238%        |
| 17        | 15.101      | 2187          | 2192        | 2202         | rVB9     | 19584          | 60877         | 4.21%           | 0.701%        |
| 18        | 15.216      | 2205          | 2211        | 2221         | rBV10    | 29650          | 104492        | 7.23%           | 1.203%        |
| 19        | 15.540      | 2255          | 2264        | 2270         | rBV10    | 16422          | 53525         | 3.70%           | 0.616%        |
| 20        | 16.027      | 2338          | 2344        | 2349         | rBV7     | 9550           | 22066         | 1.53%           | 0.254%        |
| 21        | 16.155      | 2361          | 2365        | 2372         | rVB2     | 35879          | 55020         | 3.81%           | 0.633%        |
| 22        | 16.222      | 2372          | 2376        | 2383         | rVB8     | 13747          | 25482         | 1.76%           | 0.293%        |
| 23        | 16.485      | 2411          | 2419        | 2424         | rBV10    | 25363          | 71891         | 4.98%           | 0.828%        |
| 24        | 16.753      | 2461          | 2463        | 2470         | rVB8     | 14833          | 29088         | 2.01%           | 0.335%        |

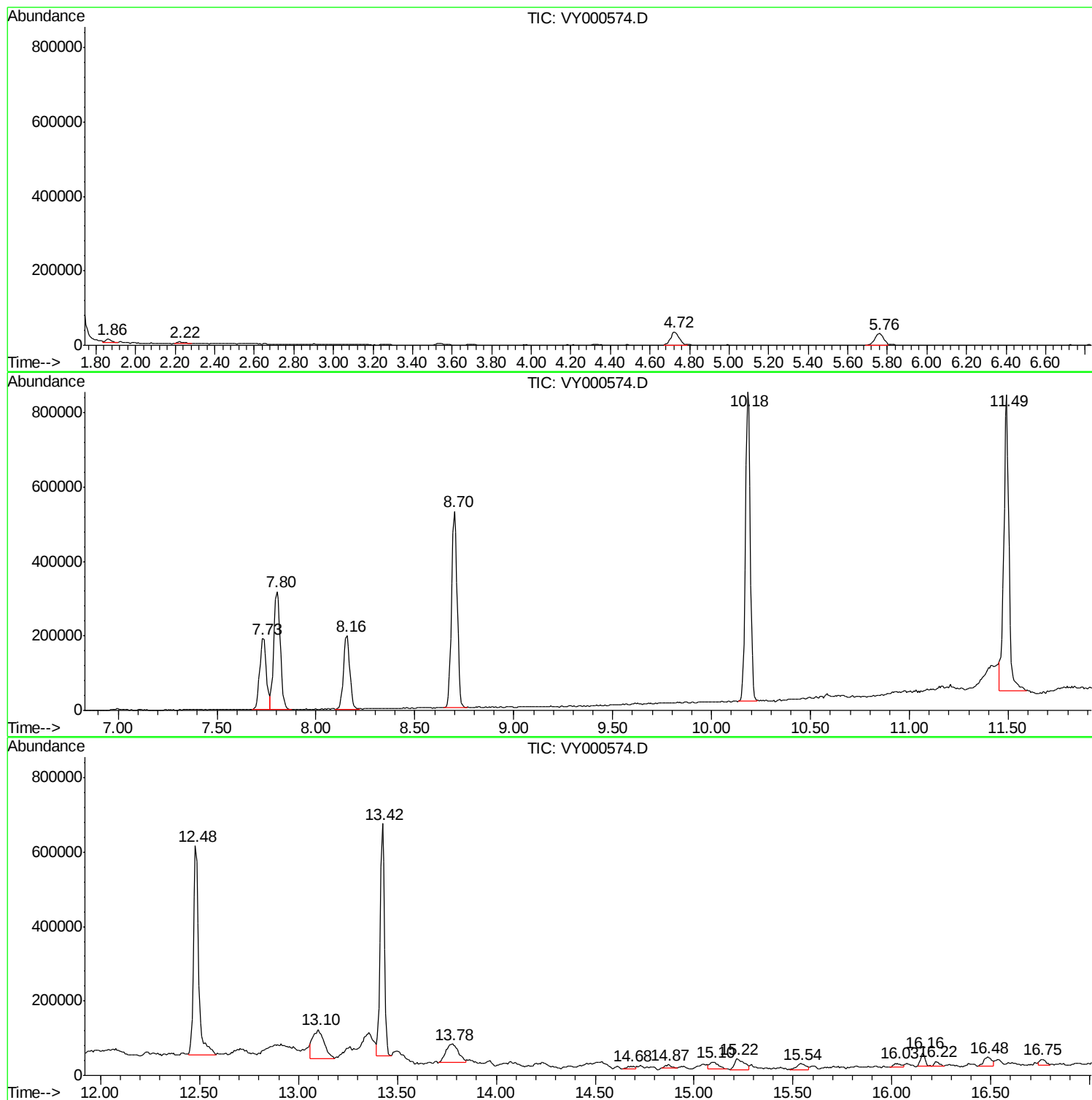
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Sample : K5723-05  
Misc : 7.42G/5ML/MSV0A\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSV0A\_Y  
ClientSampleId :  
8-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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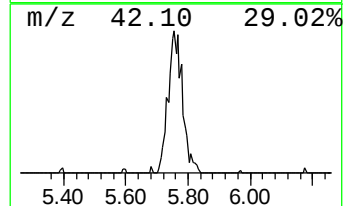
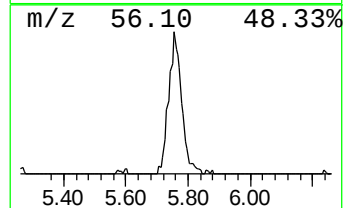
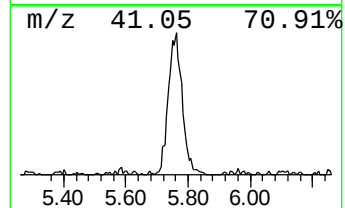
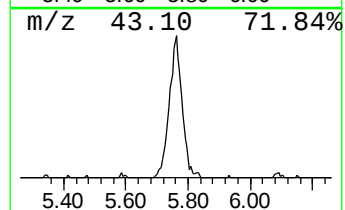
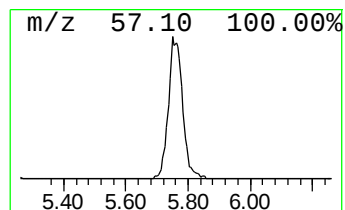
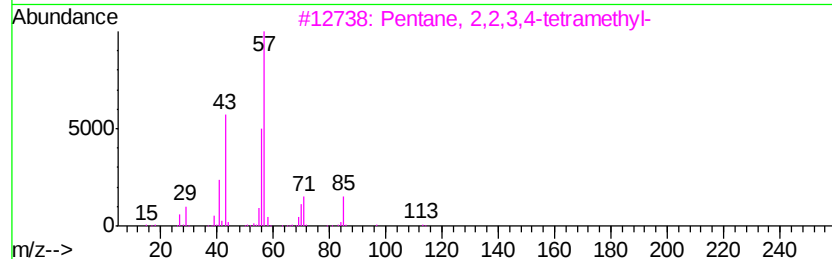
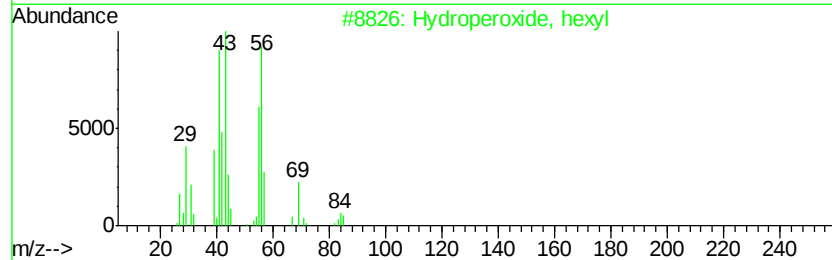
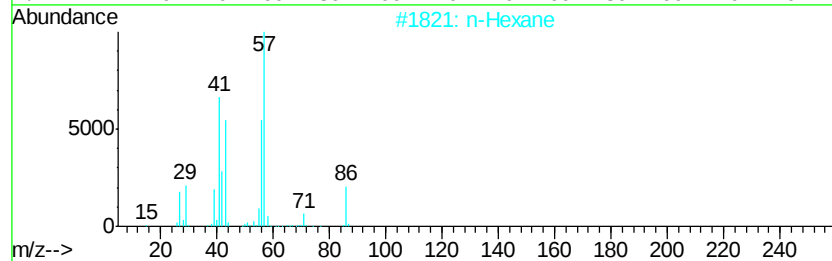
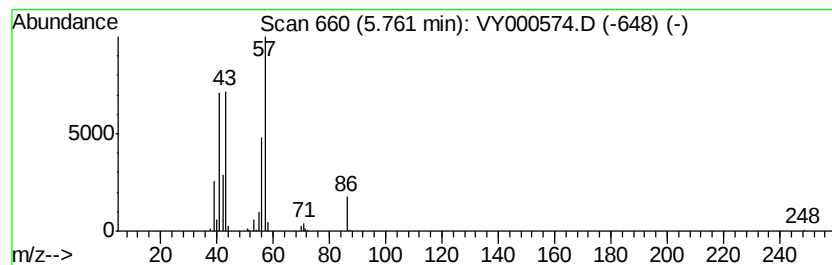
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexane Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 5.76 | 6.86 ug/l | 99245 | Pentafluorobenzene | 7.80 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 91   |
| 2    |    | Hydroperoxide, hexyl          | 118 | C6H14O2 | 004312-76-9 | 40   |
| 3    |    | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20   | 001186-53-4 | 40   |
| 4    |    | 1-Pentene, 4-methyl-          | 84  | C6H12   | 000691-37-2 | 40   |
| 5    |    | Cyclobutanol, 2-ethyl-        | 100 | C6H12O  | 035301-43-0 | 36   |



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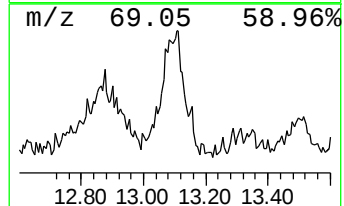
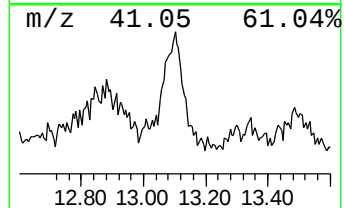
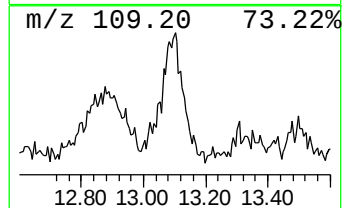
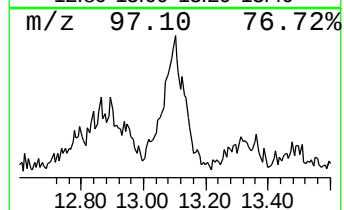
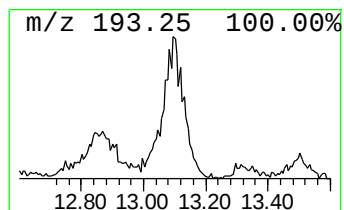
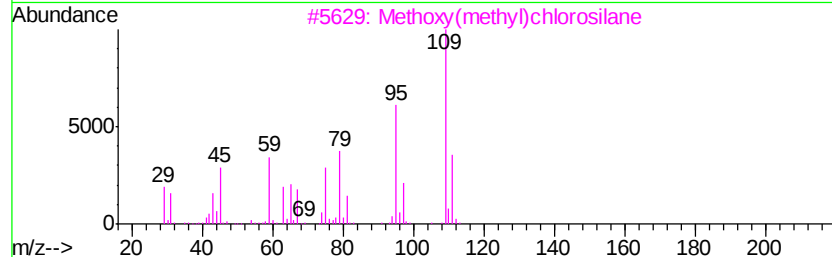
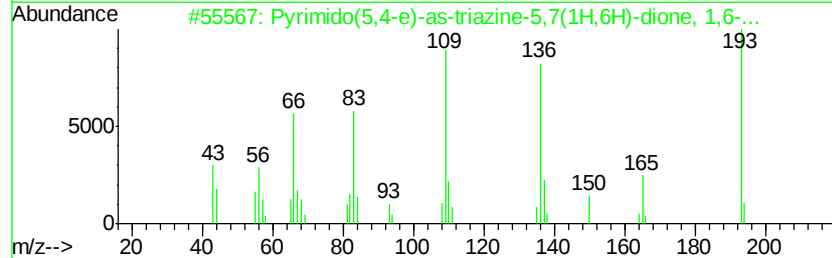
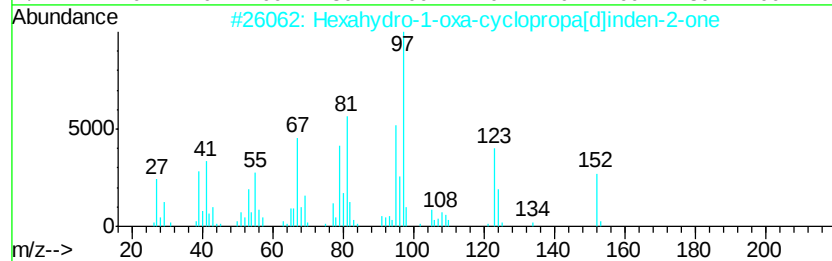
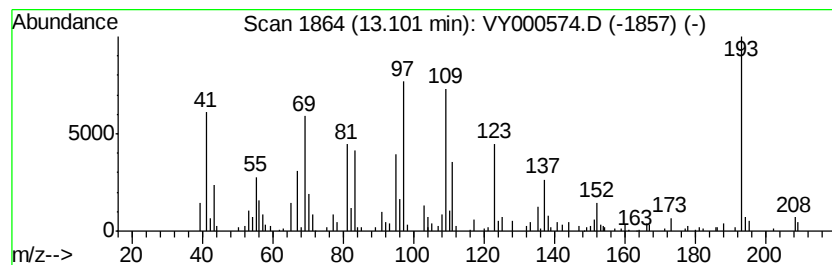
Instrument :  
MSVOA\_Y  
ClientSampleId :  
8-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown13.10 Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.      |              |      |
|---------|------------|-------------------------------------|------------------------|-----------|--------------|------|
| 13.10   | 16.45 ug/l | 307797                              | 1,4-Dichlorobenzene-d4 | 13.42     |              |      |
| Hit# of | 5          | Tentative ID                        | MW                     | MolForm   | CAS#         | Qual |
| 1       |            | Hexahydro-1-oxa-cyclopropa[d]ind... | 152                    | C9H12O2   | 037643-23-5  | 25   |
| 2       |            | Pyrimido(5,4-e)-as-triazine-5,7(... | 193                    | C7H7N5O2  | 000084-82-2  | 22   |
| 3       |            | Methoxy(methyl)chlorosilane         | 110                    | C2H7ClOSi | 018151-27-4  | 22   |
| 4       |            | 2,3-Dimethyl-8-oxo-non-2-enal       | 182                    | C11H18O2  | 1000186-82-6 | 22   |
| 5       |            | [1,2,4]Triazolo[1,5-a]pyrimidin-... | 193                    | C8H11N5O  | 1000351-50-1 | 18   |



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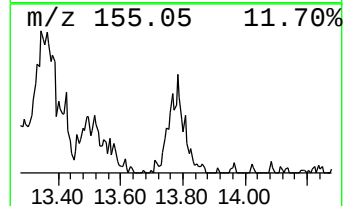
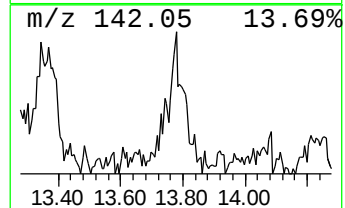
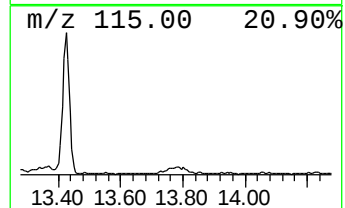
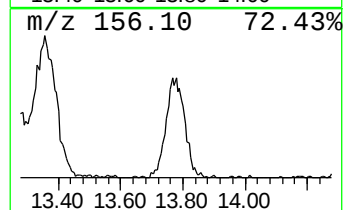
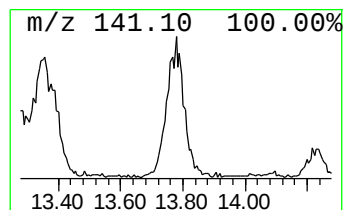
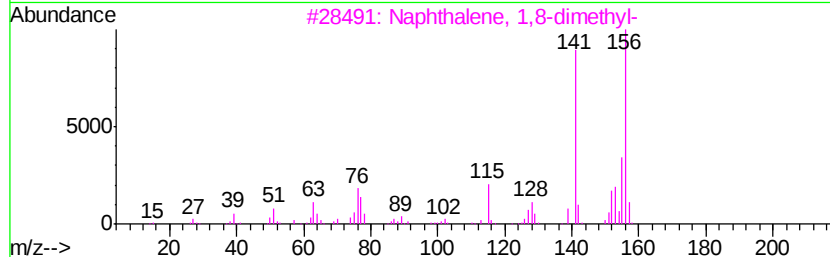
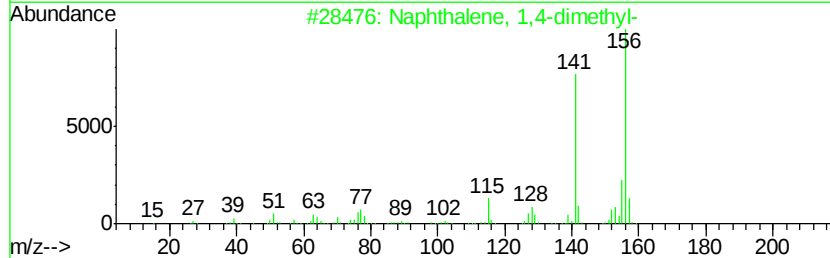
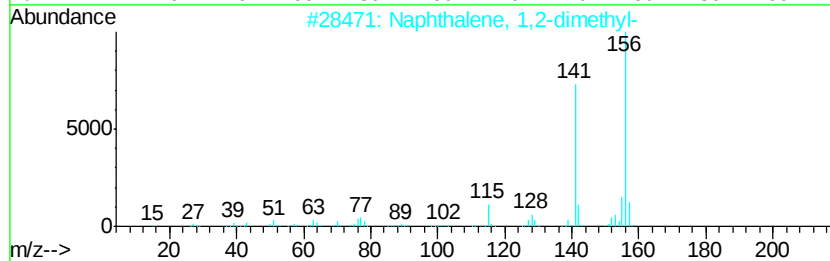
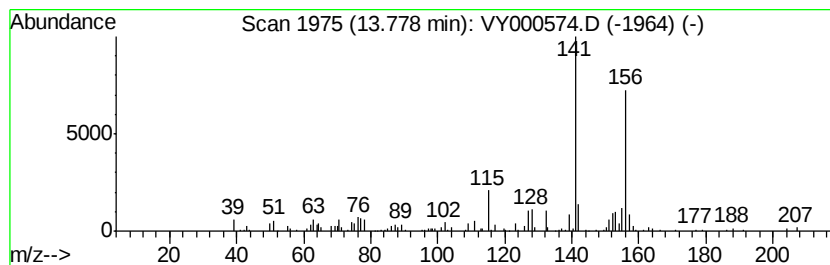
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 1,2-dimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.78 | 11.84 ug/l | 221571 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 93   |
| 2    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 93   |
| 3    |    | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 90   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 90   |
| 5    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 90   |



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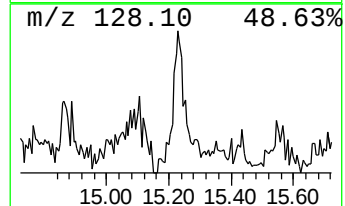
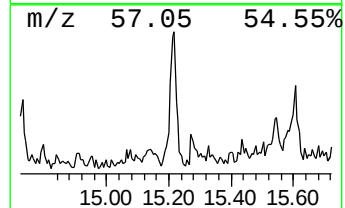
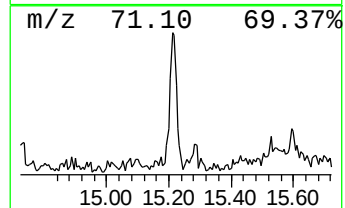
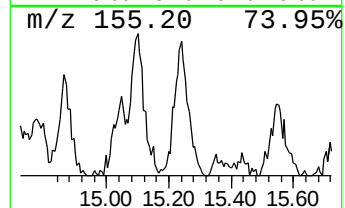
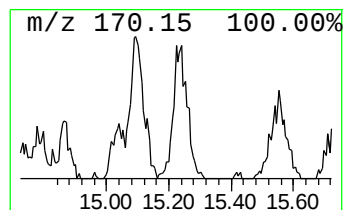
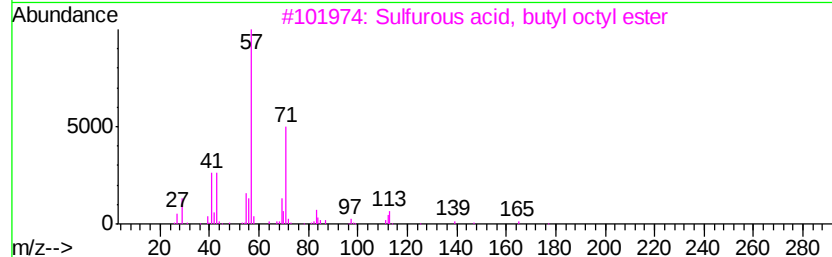
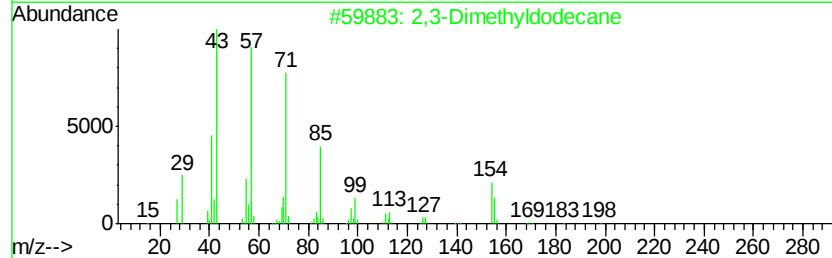
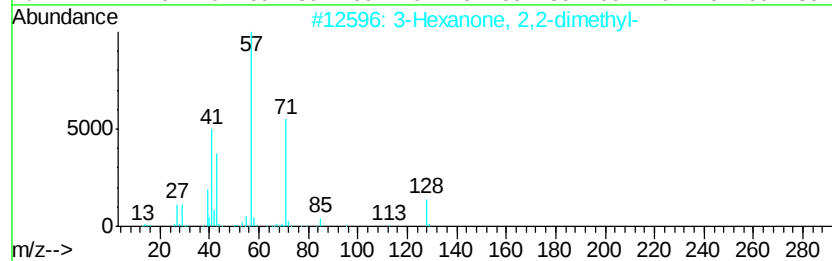
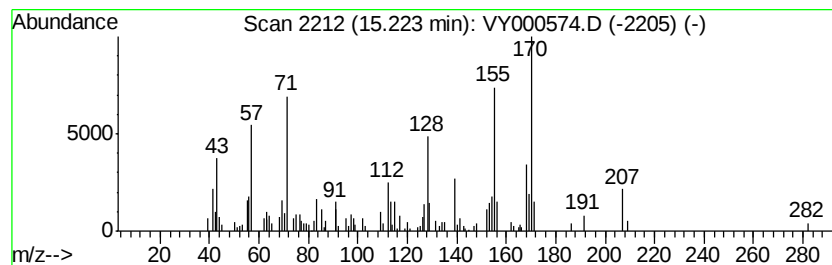
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Peak Number 4 unknown15.22 Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.22 | 5.58 ug/l | 104492 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Hexanone, 2,2-dimethyl-           | 128 | C8H16O    | 005405-79-8  | 27   |
| 2    |    |   | 2,3-Dimethyldodecane                | 198 | C14H30    | 006117-98-2  | 22   |
| 3    |    |   | Sulfurous acid, butyl octyl ester   | 250 | C12H26O3S | 1000309-17-5 | 22   |
| 4    |    |   | Glutaric acid, heptyl tetrahydro... | 314 | C17H30O5  | 1000359-66-3 | 14   |
| 5    |    |   | Sulfurous acid, isobutyl pentyl ... | 208 | C9H20O3S  | 1000309-13-8 | 14   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| n-Hexane             | 5.76  | 6.9     | ug/l  | 99245    | 1                     | 7.80  | 723125 | 50.0 |
| unknown13.10         | 13.10 | 16.4    | ug/l  | 307797   | 4                     | 13.42 | 935753 | 50.0 |
| Naphthalene, 1,2-... | 13.78 | 11.8    | ug/l  | 221571   | 4                     | 13.42 | 935753 | 50.0 |
| unknown15.22         | 15.22 | 5.6     | ug/l  | 104492   | 4                     | 13.42 | 935753 | 50.0 |