

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\  
 Data File : VN061273.D  
 Acq On : 4 May 2020 13:20  
 Operator : JC/MD  
 Sample : L2467-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS040MW015-200428

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\_N\METHODS\82N042720W.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         | 1.638       | 3             | 15          | 67           | rBV      | 4027775        | 13833293      | 100.00%         | 73.149%       |
| 2         | 7.548       | 1835          | 1853        | 1864         | rBV      | 76461          | 186001        | 1.34%           | 0.984%        |
| 3         | 7.625       | 1865          | 1877        | 1891         | rVV      | 141617         | 331829        | 2.40%           | 1.755%        |
| 4         | 7.985       | 1972          | 1989        | 2010         | rBV      | 98963          | 229061        | 1.66%           | 1.211%        |
| 5         | 8.169       | 2028          | 2046        | 2074         | rVB      | 272339         | 665048        | 4.81%           | 3.517%        |
| 6         | 8.551       | 2149          | 2165        | 2185         | rBV      | 233861         | 483408        | 3.49%           | 2.556%        |
| 7         | 9.487       | 2441          | 2456        | 2473         | rBV      | 158475         | 314361        | 2.27%           | 1.662%        |
| 8         | 9.619       | 2482          | 2497        | 2520         | rBV      | 266838         | 547721        | 3.96%           | 2.896%        |
| 9         | 10.059      | 2622          | 2634        | 2654         | rVB      | 381661         | 685580        | 4.96%           | 3.625%        |
| 10        | 11.381      | 3032          | 3045        | 3065         | rBV      | 350614         | 617182        | 4.46%           | 3.264%        |
| 11        | 12.378      | 3342          | 3355        | 3368         | rVV      | 270553         | 453897        | 3.28%           | 2.400%        |
| 12        | 13.316      | 3627          | 3647        | 3666         | rVB      | 337378         | 563653        | 4.07%           | 2.981%        |

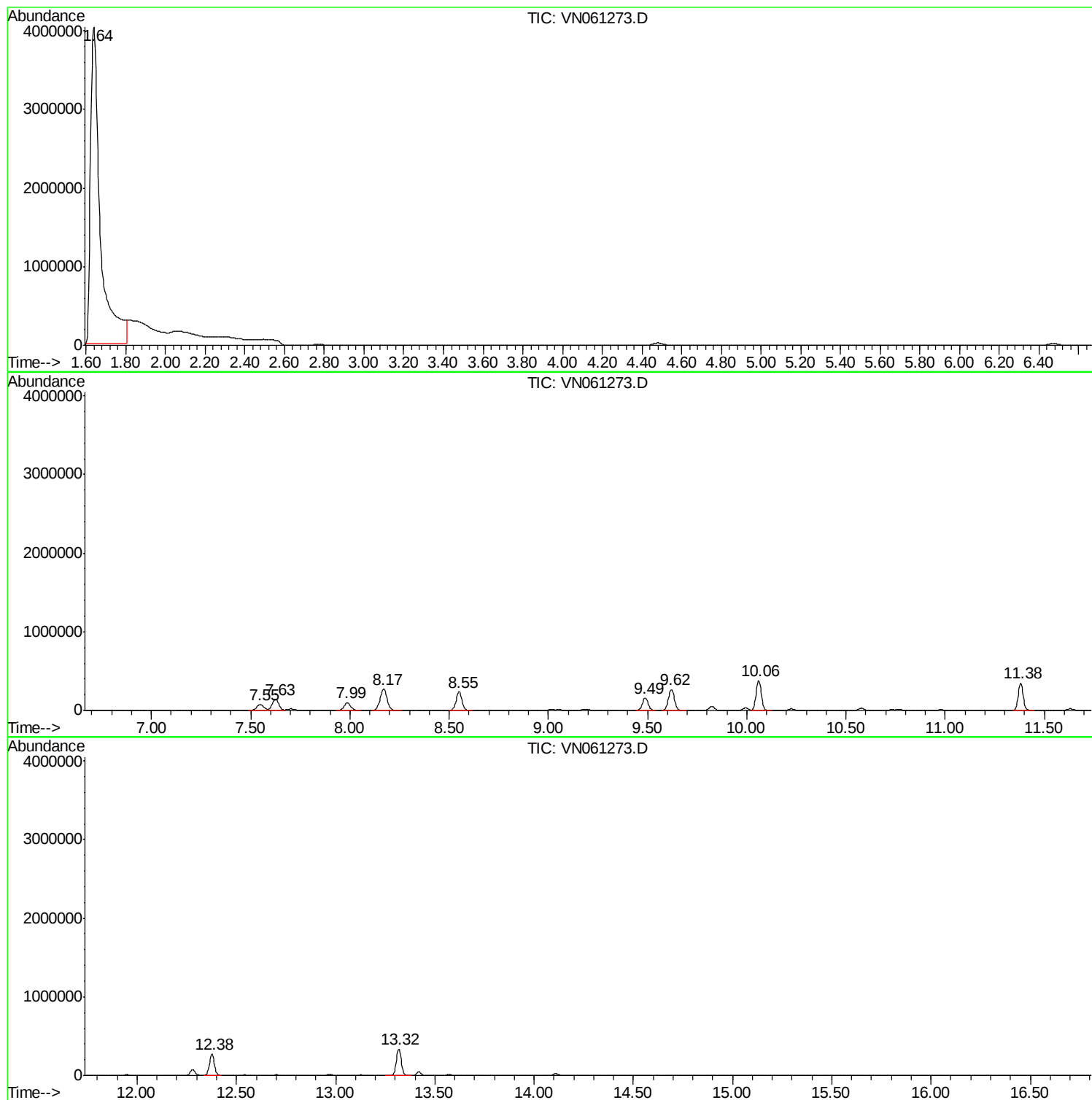
Sum of corrected areas: 18911034

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MSVOA\_N  
ClientSampleId :  
SS040MW015-200428

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
Quant Title : SW846 8260

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



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SS040MW015-200428

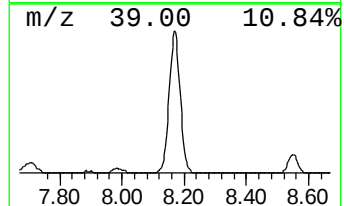
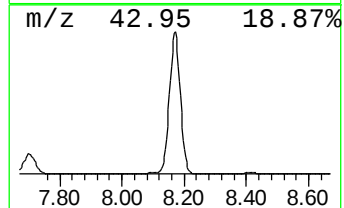
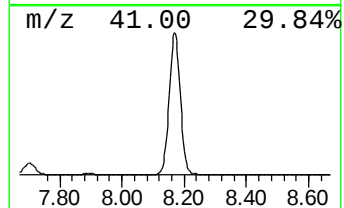
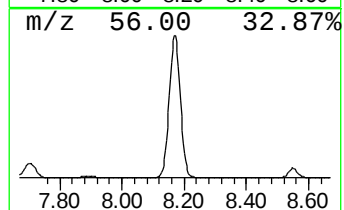
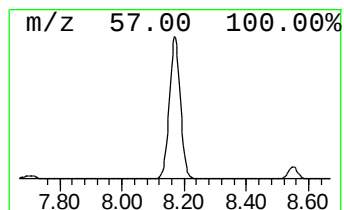
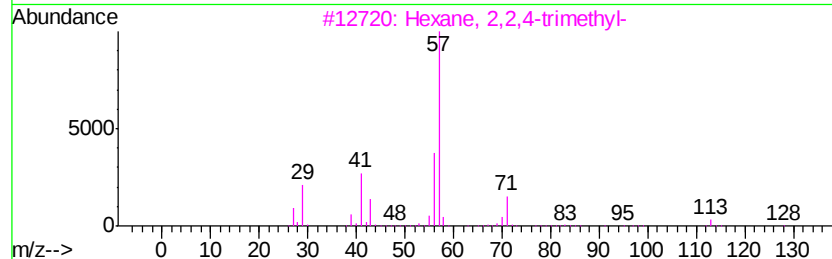
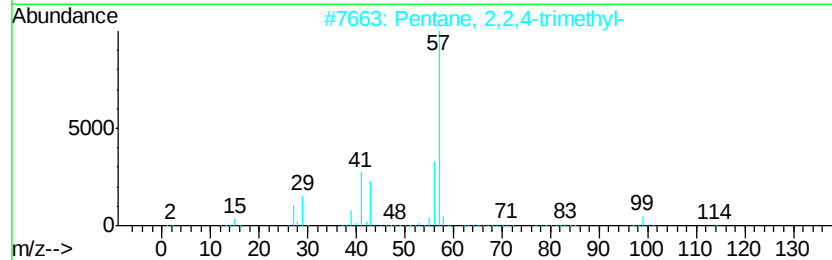
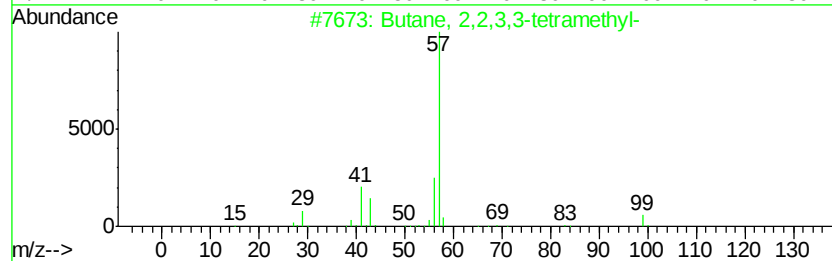
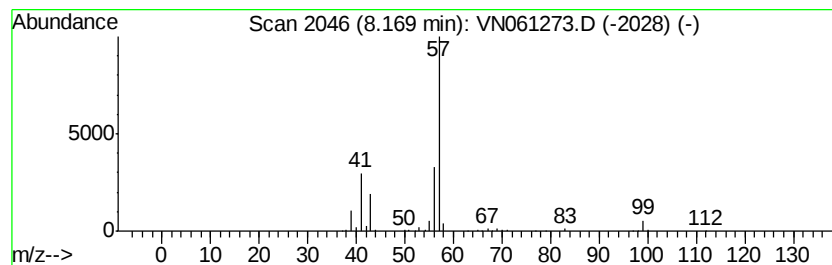
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 8.17 | 68.79 ug/l | 665048 | 1,4-Difluorobenzene | 8.55 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2,2,3,3-tetramethyl-  | 114 | C8H18   | 000594-82-1 | 78   |
| 2    |    | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 72   |
| 3    |    | Hexane, 2,2,4-trimethyl-      | 128 | C9H20   | 016747-26-5 | 64   |
| 4    |    | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 64   |
| 5    |    | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 59   |



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MSVOA\_N  
ClientSampleId :  
SS040MW015-200428

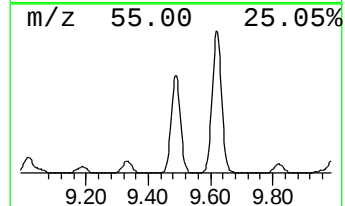
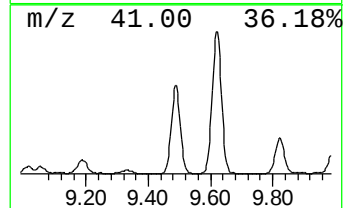
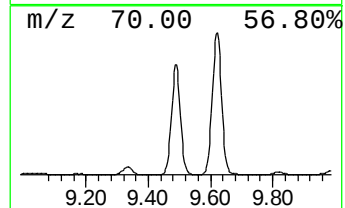
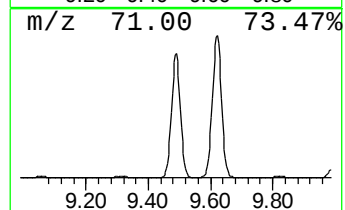
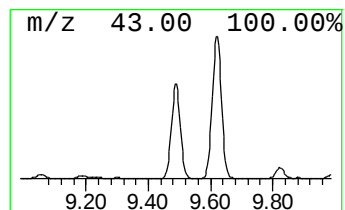
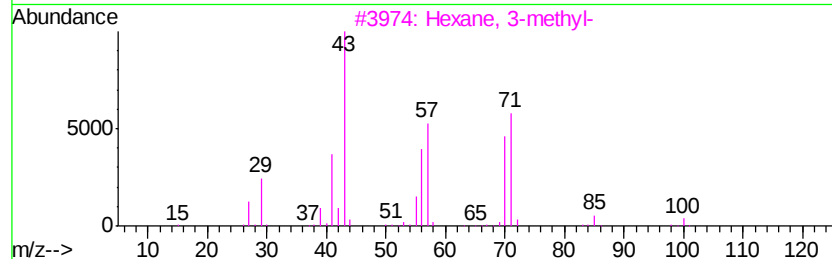
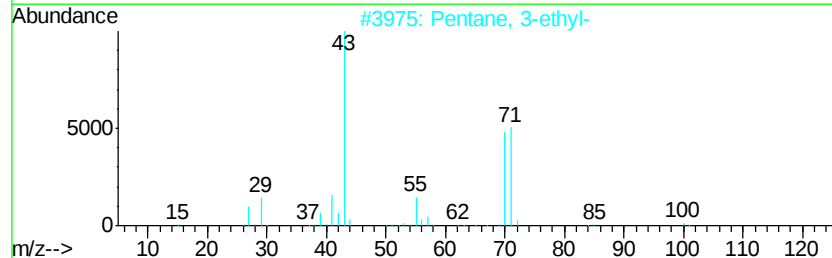
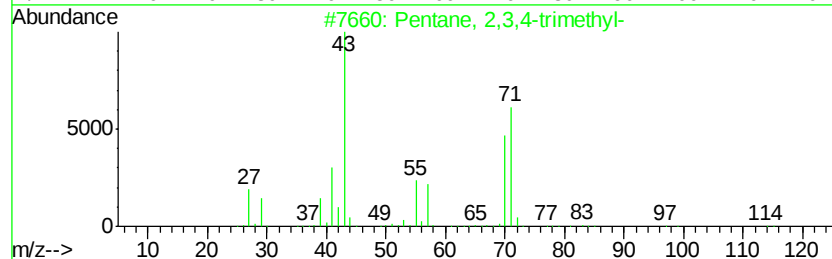
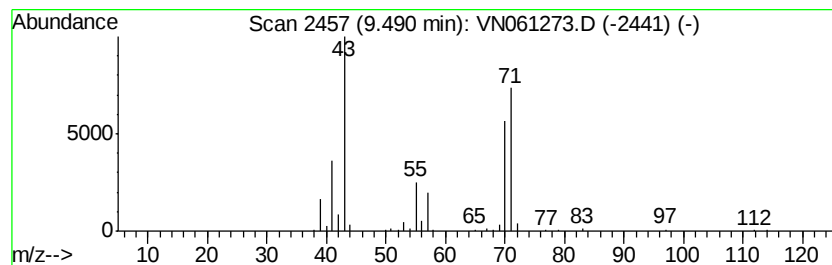
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Quant Title : SW846 8260

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

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Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 9.49 | 32.52 ug/l | 314361 | 1,4-Difluorobenzene | 8.55 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 91   |
| 2    |    | Pentane, 3-ethyl-         | 100 | C7H16   | 000617-78-7 | 83   |
| 3    |    | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 78   |
| 4    |    | Hexane, 3,3,4-trimethyl-  | 128 | C9H20   | 016747-31-2 | 74   |
| 5    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 74   |



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MSVOA\_N  
ClientSampleId :  
SS040MW015-200428

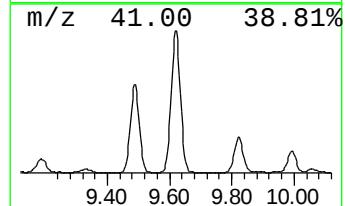
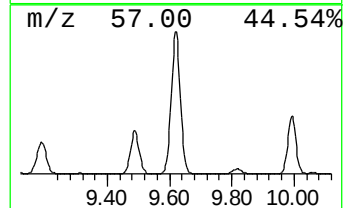
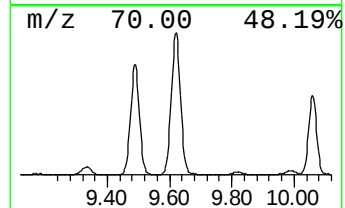
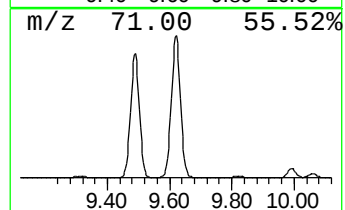
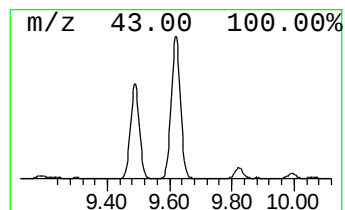
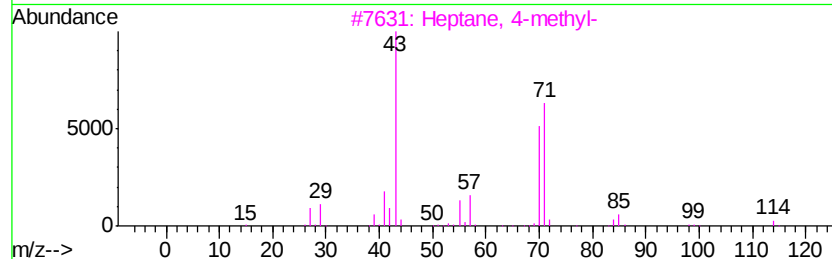
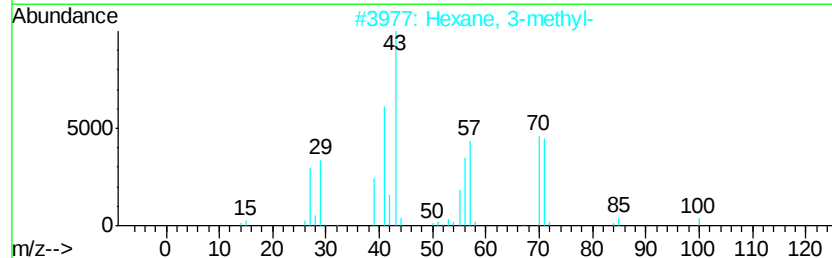
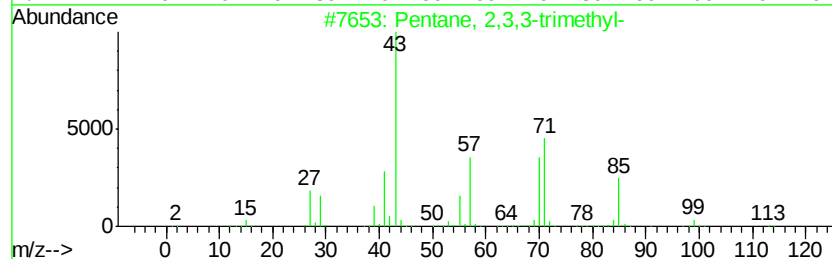
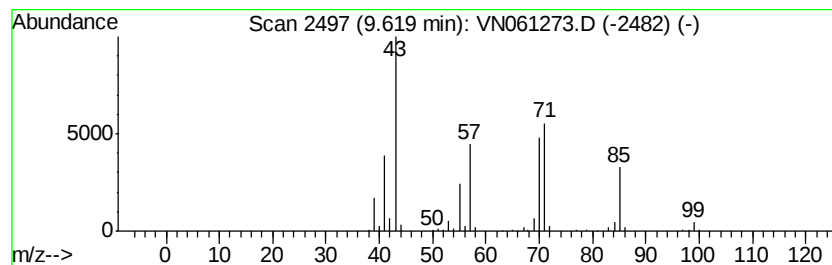
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Quant Title : SW846 8260

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

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Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 9.62 | 56.65 ug/l | 547721 | 1,4-Difluorobenzene | 8.55 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 90   |
| 2    |    | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 64   |
| 3    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 64   |
| 4    |    | Hexane, 2,3,4-trimethyl-  | 128 | C9H20   | 000921-47-1 | 64   |
| 5    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 59   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2,2,3,3-t... | 8.17 | 68.8    | ug/l  | 665048   | 2                     | 8.55 | 483408 | 50.0 |
| Pentane, 2,3,4-tr... | 9.49 | 32.5    | ug/l  | 314361   | 2                     | 8.55 | 483408 | 50.0 |
| Pentane, 2,3,3-tr... | 9.62 | 56.6    | ug/l  | 547721   | 2                     | 8.55 | 483408 | 50.0 |