

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\  
 Data File : VY001700.D  
 Acq On : 19 Feb 2020 15:13  
 Operator : SY/MD  
 Sample : L1581-02  
 Misc : 5.01G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 40712

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.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         | 3.974       | 351           | 367         | 400          | rBV      | 11321624       | 33092694      | 33.91%          | 12.803%       |
| 2         | 7.547       | 935           | 953         | 968          | rBV      | 480998         | 1366063       | 1.40%           | 0.529%        |
| 3         | 7.785       | 976           | 992         | 1001         | rBV      | 9743954        | 23366470      | 23.94%          | 9.040%        |
| 4         | 7.888       | 1001          | 1009        | 1020         | rVV      | 3176517        | 8023928       | 8.22%           | 3.104%        |
| 5         | 8.022       | 1020          | 1031        | 1047         | rVV      | 15286762       | 36881854      | 37.79%          | 14.269%       |
| 6         | 8.284       | 1063          | 1074        | 1081         | rBV2     | 2424188        | 5877190       | 6.02%           | 2.274%        |
| 7         | 8.364       | 1081          | 1087        | 1092         | rVV2     | 622610         | 1474381       | 1.51%           | 0.570%        |
| 8         | 8.431       | 1092          | 1098        | 1109         | rVB      | 871027         | 1954264       | 2.00%           | 0.756%        |
| 9         | 8.565       | 1109          | 1120        | 1134         | rBV2     | 16137009       | 37209171      | 38.13%          | 14.396%       |
| 10        | 9.016       | 1186          | 1194        | 1204         | rVB      | 1022989        | 2072774       | 2.12%           | 0.802%        |
| 11        | 9.193       | 1208          | 1223        | 1229         | rBV2     | 2468144        | 5785843       | 5.93%           | 2.239%        |
| 12        | 9.254       | 1229          | 1233        | 1241         | rVB      | 1028157        | 1856662       | 1.90%           | 0.718%        |
| 13        | 9.376       | 1246          | 1253        | 1260         | rBV      | 1050100        | 1916024       | 1.96%           | 0.741%        |
| 14        | 10.272      | 1390          | 1400        | 1408         | rVB2     | 29754709       | 97591737      | 100.00%         | 37.758%       |

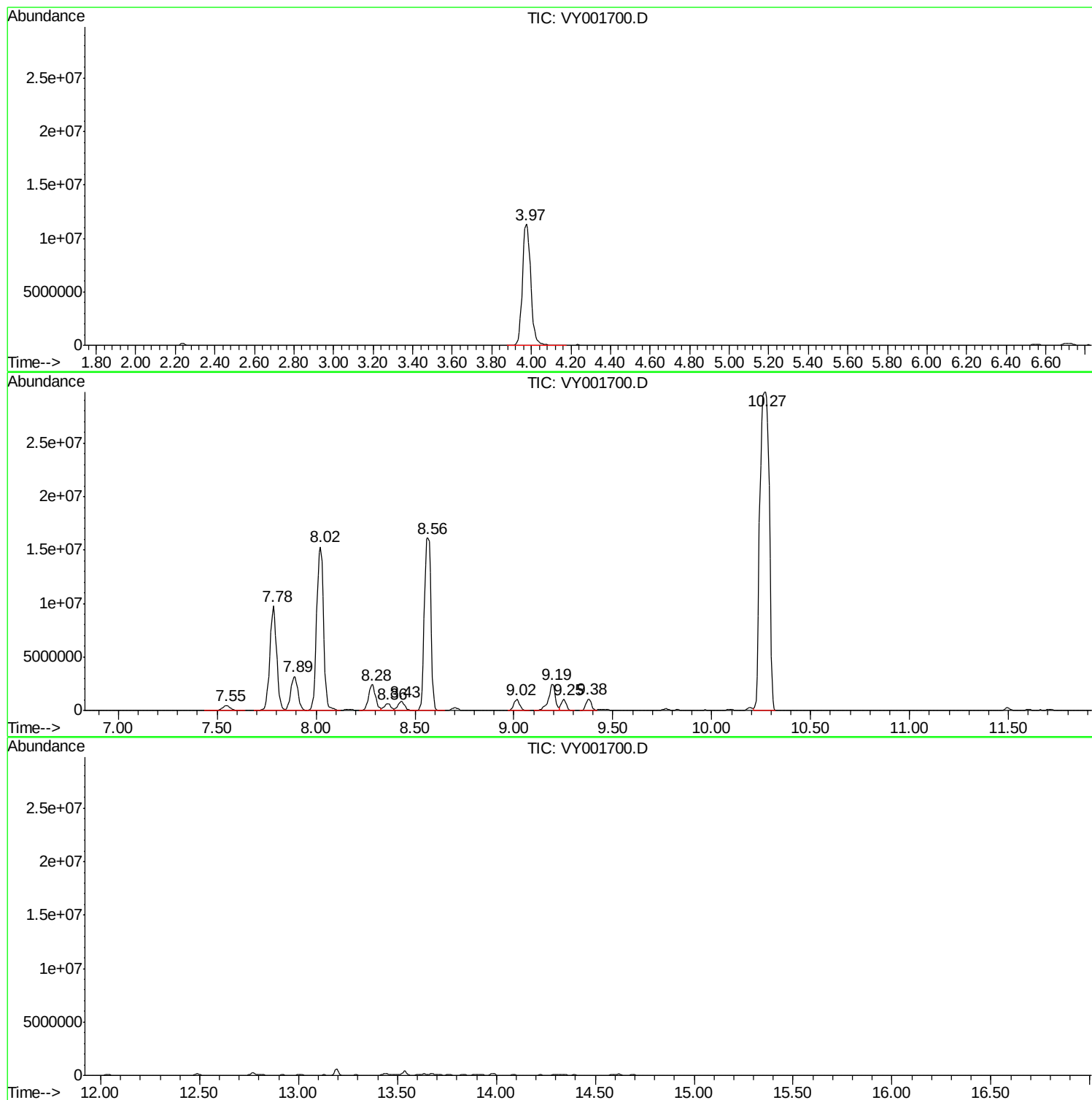
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260

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



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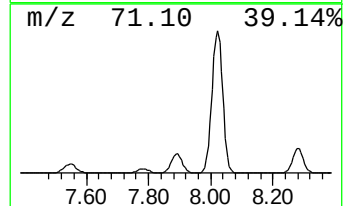
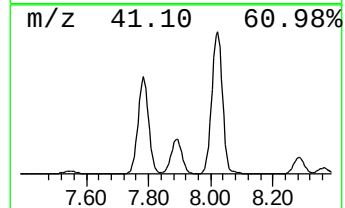
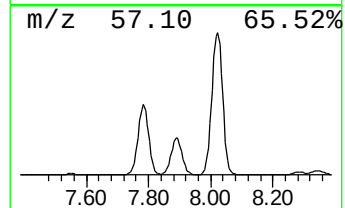
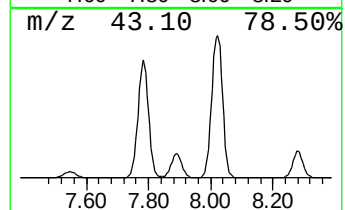
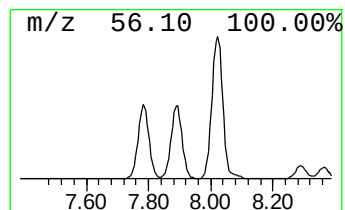
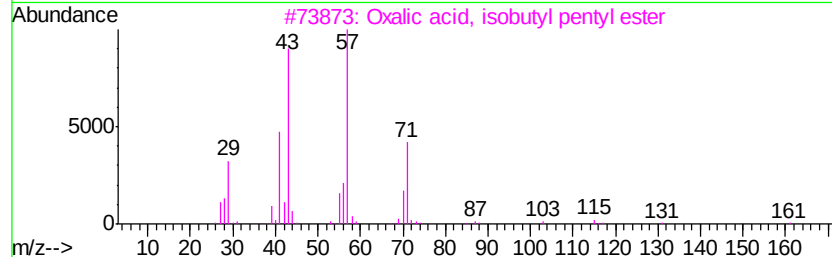
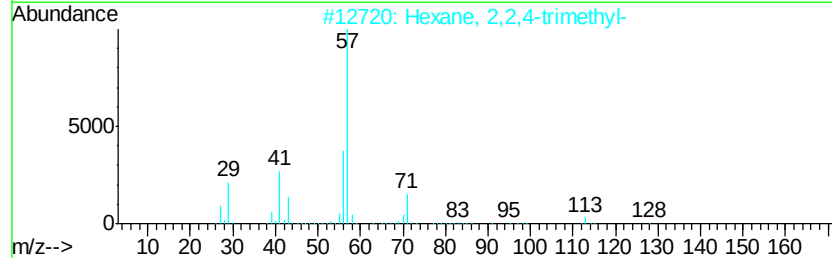
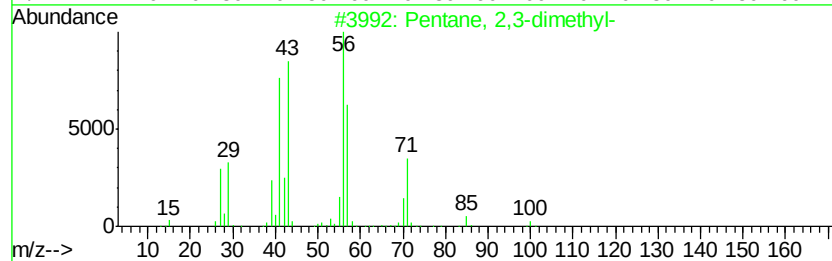
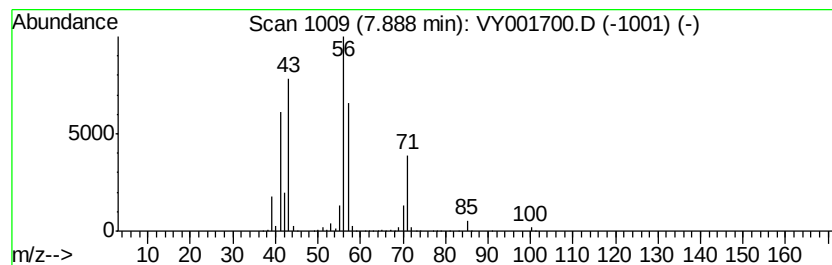
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260

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

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

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 7.89 | 17.17 ug/l | 8023930 | Pentafluorobenzene | 7.81 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Pentane, 2,3-dimethyl-             | 100 | C7H16    | 000565-59-3  | 95   |
| 2    |    | Hexane, 2,2,4-trimethyl-           | 128 | C9H20    | 016747-26-5  | 42   |
| 3    |    | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 38   |
| 4    |    | Hexane, 3-methyl-                  | 100 | C7H16    | 000589-34-4  | 38   |
| 5    |    | Butane, 2,2,3-trimethyl-           | 100 | C7H16    | 000464-06-2  | 37   |



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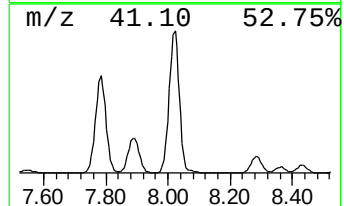
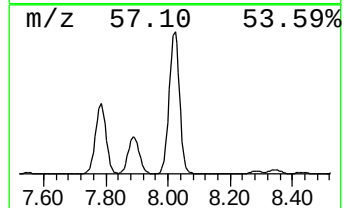
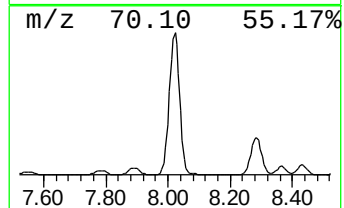
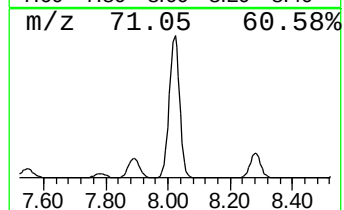
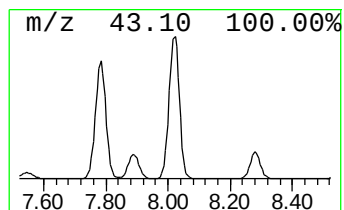
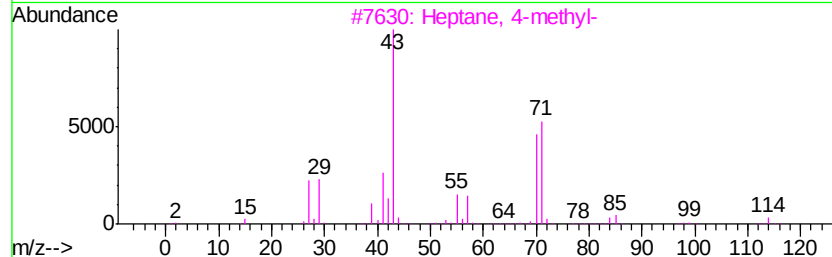
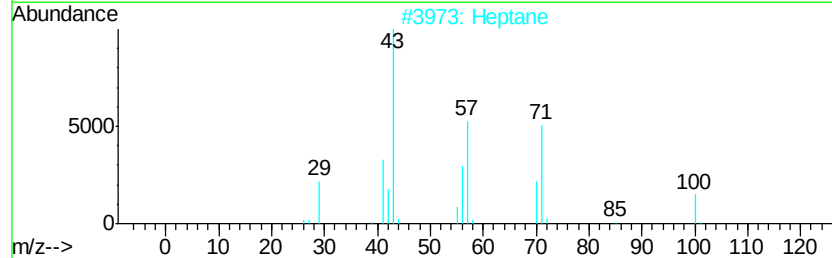
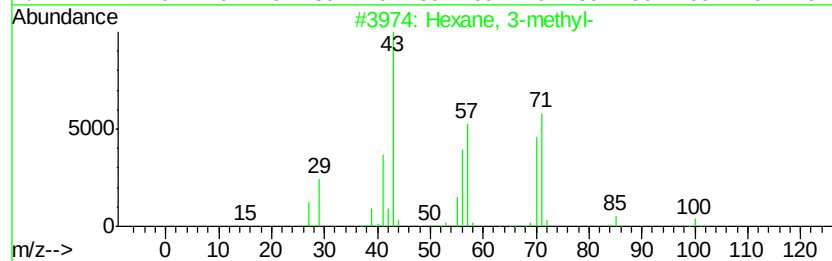
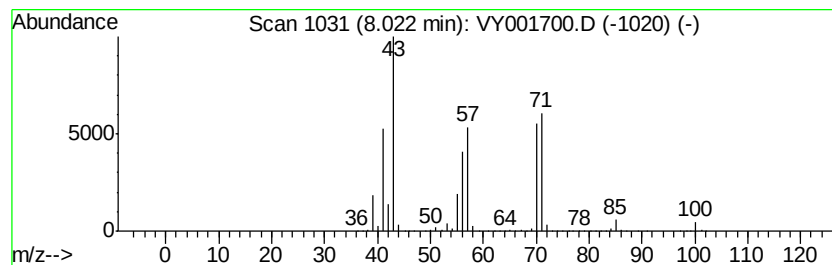
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260

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Peak Number 2 Hexane, 3-methyl- Concentration Rank 1

| R.T. | EstConc    | Area     | Relative to ISTD   | R.T. |
|------|------------|----------|--------------------|------|
| 8.02 | 78.92 ug/l | 36881900 | Pentafluorobenzene | 7.81 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexane, 3-methyl-      | 100 | C7H16   | 000589-34-4 | 94   |
| 2    |    | Heptane                | 100 | C7H16   | 000142-82-5 | 80   |
| 3    |    | Heptane, 4-methyl-     | 114 | C8H18   | 000589-53-7 | 59   |
| 4    |    | Pentane, 3-ethyl-      | 100 | C7H16   | 000617-78-7 | 53   |
| 5    |    | Heptane, 3,4-dimethyl- | 128 | C9H20   | 000922-28-1 | 50   |



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ALS Vial : 13 Sample Multiplier: 1

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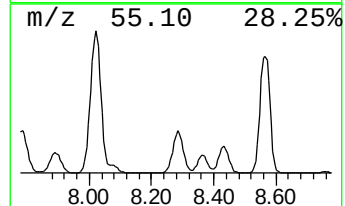
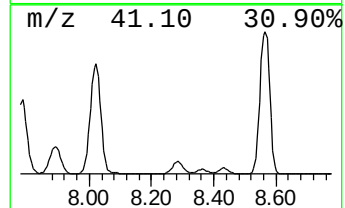
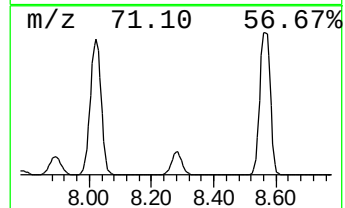
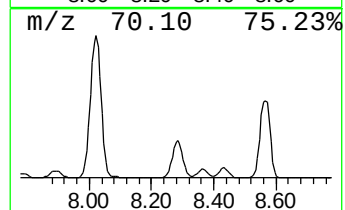
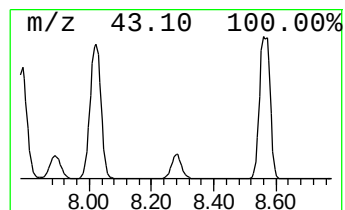
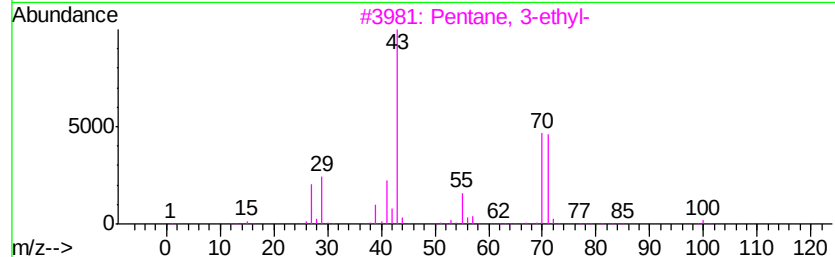
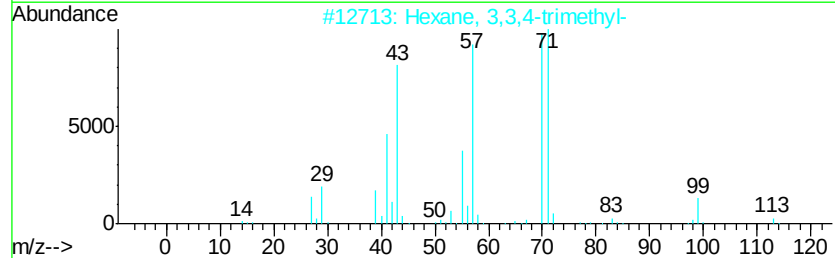
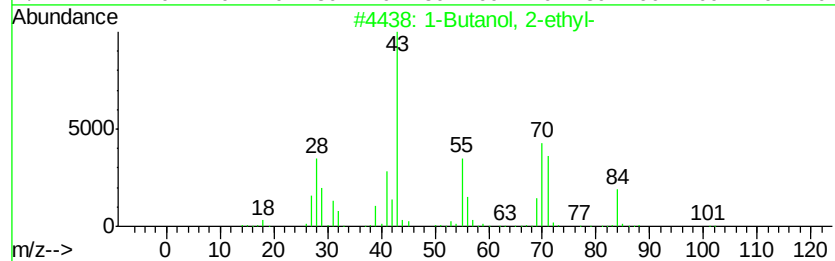
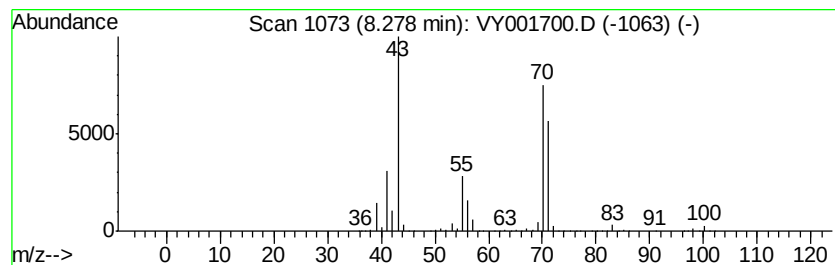
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Quant Title : SW846 8260

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

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Peak Number 3 1-Butanol, 2-ethyl- Concentration Rank 4

| R.T. | EstConc   | Area    | Relative to ISTD    | R.T. |
|------|-----------|---------|---------------------|------|
| 8.28 | 7.90 ug/l | 5877190 | 1,4-Difluorobenzene | 8.71 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Butanol, 2-ethyl-      | 102 | C6H14O  | 000097-95-0 | 64   |
| 2    |    | Hexane, 3,3,4-trimethyl- | 128 | C9H20   | 016747-31-2 | 64   |
| 3    |    | Pentane, 3-ethyl-        | 100 | C7H16   | 000617-78-7 | 59   |
| 4    |    | Octane, 4,5-dimethyl-    | 142 | C10H22  | 015869-96-2 | 50   |
| 5    |    | Heptane, 3,4-dimethyl-   | 128 | C9H20   | 000922-28-1 | 50   |



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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
40712

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260

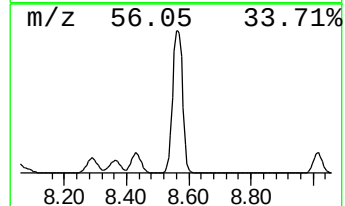
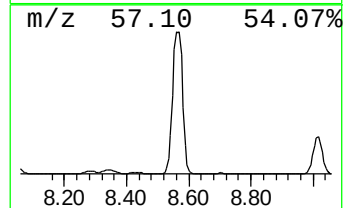
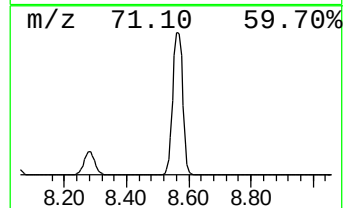
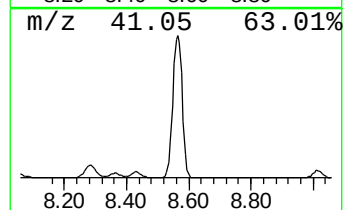
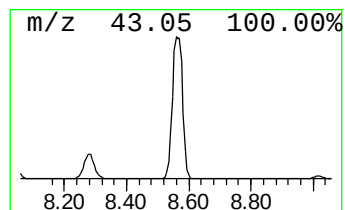
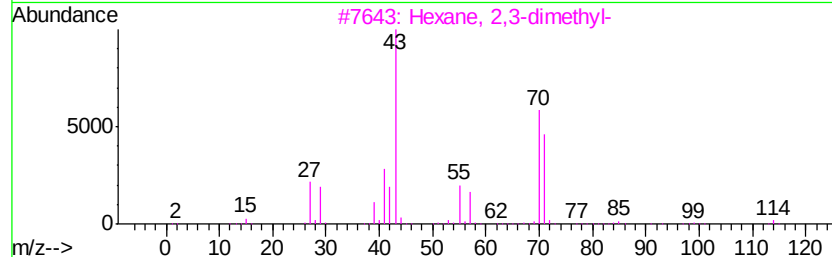
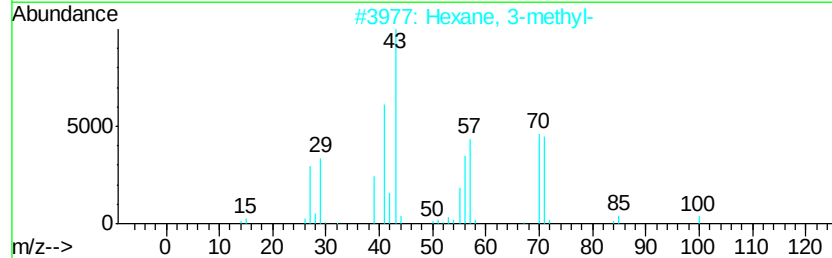
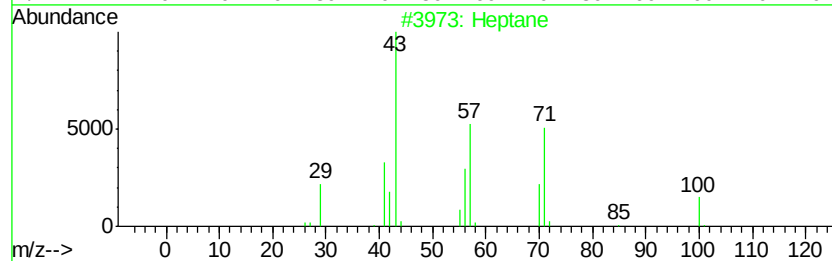
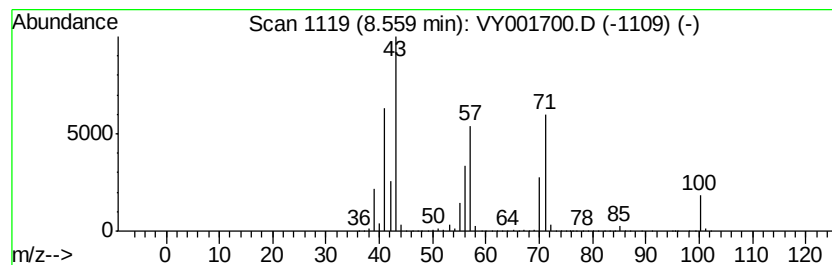
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptane Concentration Rank 2

| R.T. | EstConc    | Area     | Relative to ISTD    | R.T. |
|------|------------|----------|---------------------|------|
| 8.56 | 50.00 ug/l | 37209200 | 1,4-Difluorobenzene | 8.71 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Heptane               |              | 100 | C7H16   | 000142-82-5 | 91   |
| 2       | Hexane, 3-methyl-     |              | 100 | C7H16   | 000589-34-4 | 42   |
| 3       | Hexane, 2,3-dimethyl- |              | 114 | C8H18   | 000584-94-1 | 40   |
| 4       | Butane, 2,2-dimethyl- |              | 86  | C6H14   | 000075-83-2 | 38   |
| 5       | 3-Hexanone            |              | 100 | C6H12O  | 000589-38-8 | 37   |



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Quant Title : SW846 8260

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |          |      |
|----------------------|------|---------|-------|----------|-----------------------|------|----------|------|
|                      |      |         |       |          | #                     | RT   | Resp     | Conc |
| Pentane, 2,3-dime... | 7.89 | 17.2    | ug/l  | 8023930  | 1                     | 7.81 | 23366500 | 50.0 |
| Hexane, 3-methyl-    | 8.02 | 78.9    | ug/l  | 36881900 | 1                     | 7.81 | 23366500 | 50.0 |
| 1-Butanol, 2-ethyl-  | 8.28 | 7.9     | ug/l  | 5877190  | 2                     | 8.71 | 37209200 | 50.0 |
| Heptane              | 8.56 | 50.0    | ug/l  | 37209200 | 2                     | 8.71 | 37209200 | 50.0 |