

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\  
 Data File : VY002729.D  
 Acq On : 20 May 2020 14:57  
 Operator : SY/MD  
 Sample : L2718-02  
 Misc : 6.60G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-12017

## 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\82Y051520S.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 4.724    | 477        | 490      | 503       | rBV2  | 17533       | 55764      | 3.40%        | 0.540%     |
| 2      | 7.724    | 971        | 982      | 988       | rBV2  | 227345      | 548011     | 33.38%       | 5.304%     |
| 3      | 7.797    | 988        | 994      | 1005      | rVB   | 416309      | 927330     | 56.49%       | 8.976%     |
| 4      | 8.151    | 1040       | 1052     | 1063      | rBV   | 199200      | 445063     | 27.11%       | 4.308%     |
| 5      | 8.693    | 1132       | 1141     | 1153      | rBV   | 608911      | 1190142    | 72.50%       | 11.520%    |
| 6      | 10.181   | 1377       | 1385     | 1393      | rBV   | 954576      | 1641601    | 100.00%      | 15.890%    |
| 7      | 11.491   | 1593       | 1600     | 1607      | rVB   | 844613      | 1391188    | 84.75%       | 13.466%    |
| 8      | 11.741   | 1626       | 1641     | 1642      | rBV   | 29194       | 90172      | 5.49%        | 0.873%     |
| 9      | 12.479   | 1745       | 1762     | 1780      | rBV2  | 783846      | 1620081    | 98.69%       | 15.681%    |
| 10     | 12.668   | 1786       | 1793     | 1794      | rBV3  | 38071       | 72098      | 4.39%        | 0.698%     |
| 11     | 13.345   | 1893       | 1904     | 1911      | rBV4  | 38991       | 144115     | 8.78%        | 1.395%     |
| 12     | 13.424   | 1911       | 1917     | 1924      | rVB   | 889243      | 1340099    | 81.63%       | 12.971%    |
| 13     | 13.753   | 1967       | 1971     | 1975      | rBV7  | 12803       | 23172      | 1.41%        | 0.224%     |
| 14     | 13.967   | 2002       | 2006     | 2010      | rVB2  | 22965       | 31796      | 1.94%        | 0.308%     |
| 15     | 14.229   | 2043       | 2049     | 2057      | rBV2  | 11749       | 39126      | 2.38%        | 0.379%     |
| 16     | 14.668   | 2115       | 2121     | 2128      | rBV3  | 67125       | 188562     | 11.49%       | 1.825%     |
| 17     | 14.844   | 2146       | 2150     | 2151      | rBV4  | 19649       | 24670      | 1.50%        | 0.239%     |
| 18     | 15.222   | 2205       | 2212     | 2225      | rBV4  | 59311       | 177057     | 10.79%       | 1.714%     |
| 19     | 15.539   | 2255       | 2264     | 2272      | rBV6  | 29090       | 89914      | 5.48%        | 0.870%     |
| 20     | 16.027   | 2338       | 2344     | 2350      | rBV6  | 24028       | 53764      | 3.28%        | 0.520%     |
| 21     | 16.155   | 2361       | 2365     | 2370      | rBV3  | 16757       | 25162      | 1.53%        | 0.244%     |
| 22     | 16.289   | 2381       | 2387     | 2401      | rVB   | 51767       | 121966     | 7.43%        | 1.181%     |
| 23     | 16.484   | 2413       | 2419     | 2425      | rBV   | 39633       | 90379      | 5.51%        | 0.875%     |

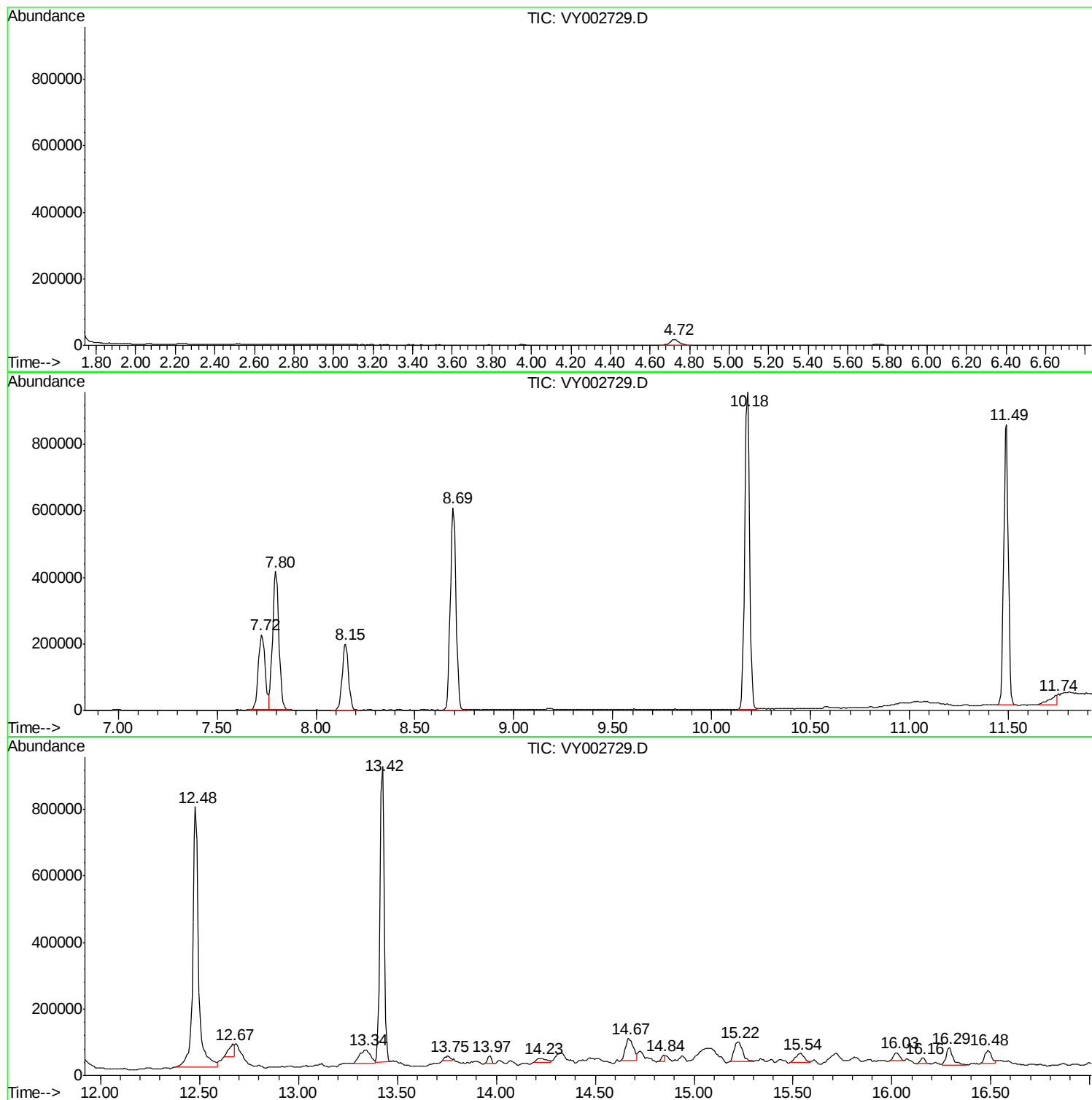
Sum of corrected areas: 10331232

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12017

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260

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



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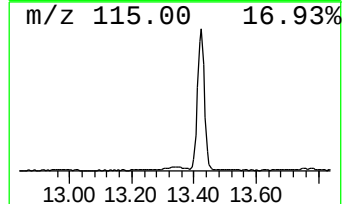
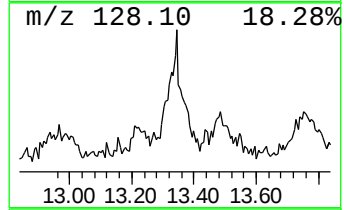
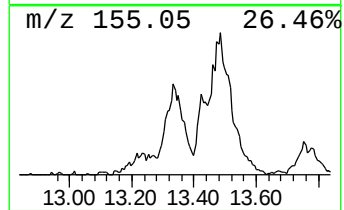
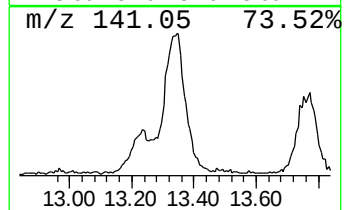
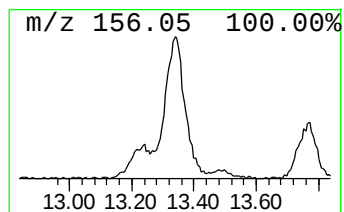
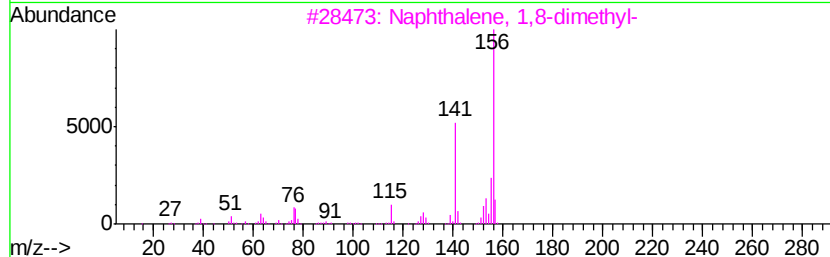
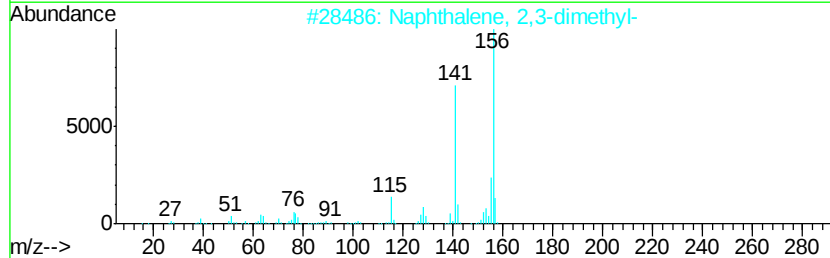
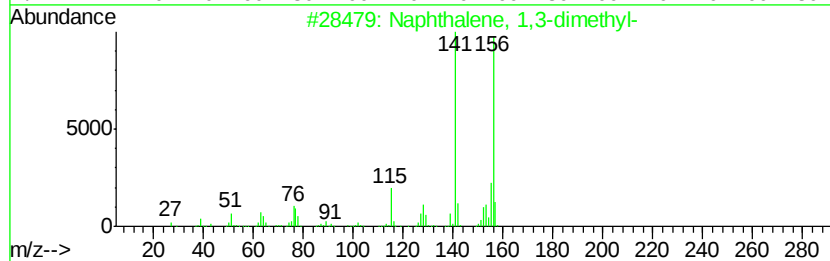
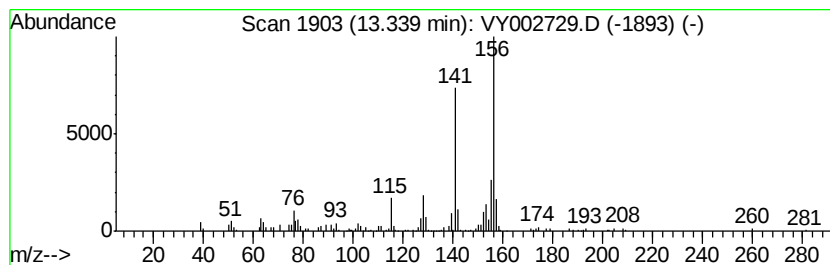
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.34 | 5.38 ug/l | 144115 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 95   |
| 3    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 94   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 93   |
| 5    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 90   |



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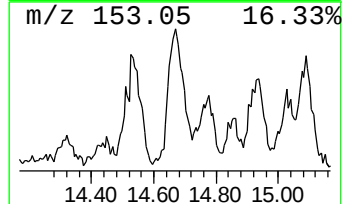
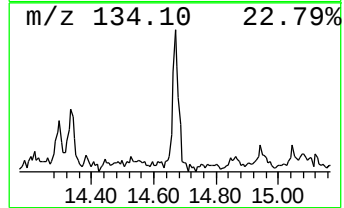
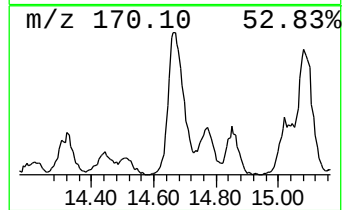
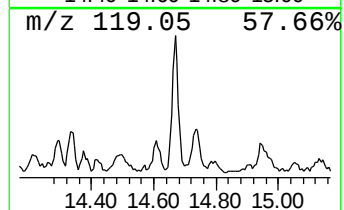
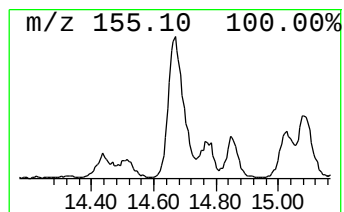
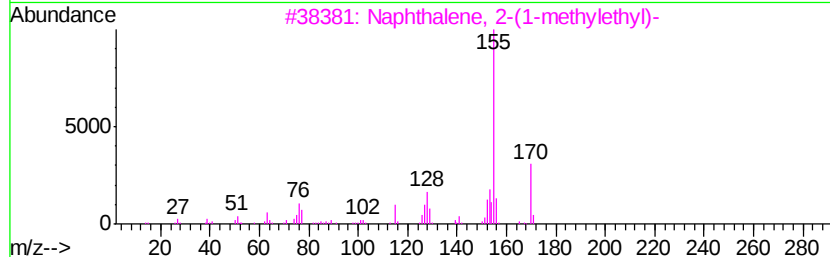
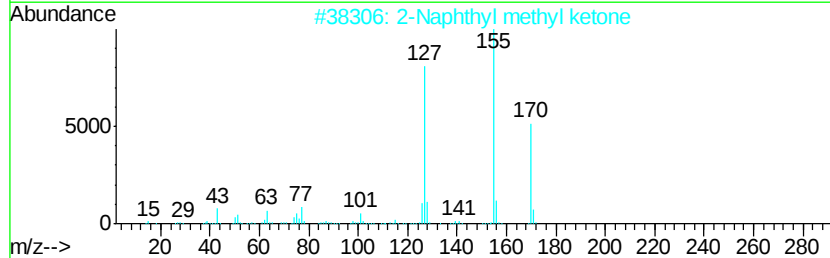
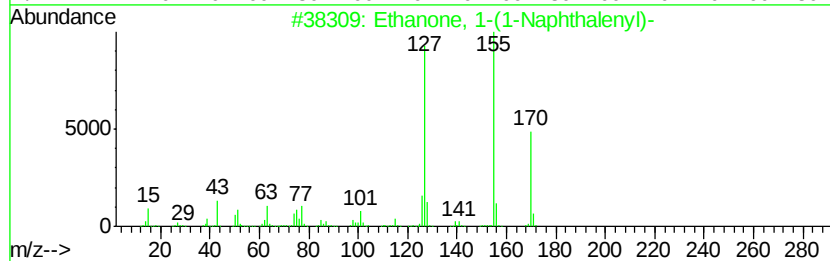
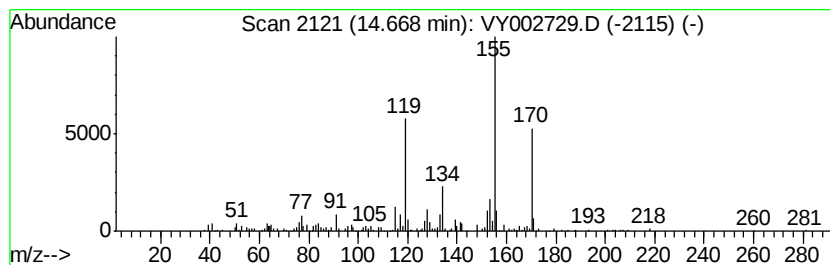
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Peak Number 2 Ethanone, 1-(1-Naphthalenyl)- Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------------|-------------|------|------|
| 14.67   | 7.04 ug/l                           | 188562       | 1,4-Dichlorobenzene-d4 | 13.42       |      |      |
| Hit# of | 5                                   | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Ethanone, 1-(1-Naphthalenyl)-       | 170          | C12H10O                | 000941-98-0 | 53   |      |
| 2       | 2-Naphthyl methyl ketone            | 170          | C12H10O                | 000093-08-3 | 53   |      |
| 3       | Naphthalene, 2-(1-methylethyl)-     | 170          | C13H14                 | 002027-17-0 | 52   |      |
| 4       | Ethanone, 1-(5-chloro-2-hydroxyp... | 170          | C8H7ClO2               | 001450-74-4 | 52   |      |
| 5       | Naphthalene, 1,6,7-trimethyl-       | 170          | C13H14                 | 002245-38-7 | 49   |      |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Naphthalene, 1,3-... | 13.34 | 5.4     | ug/l  | 144115   | 4                     | 13.42 | 1340100 | 50.0 |
| Ethanone, 1-(1-Na... | 14.67 | 7.0     | ug/l  | 188562   | 4                     | 13.42 | 1340100 | 50.0 |