

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082824\  
 Data File : VY019331.D  
 Acq On : 28 Aug 2024 15:36  
 Operator : SY/MD  
 Sample : P3660-05  
 Misc : 7.24g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-906-J-0-0.5-081624

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\82Y081524S.M  
 Title : SW846 8260

Signal : TIC: VY019331.D\data.ms

| 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         | 2.623       | 140           | 148         | 163          | rVB      | 107387         | 204790        | 29.05%          | 5.066%        |
| 2         | 3.159       | 228           | 236         | 244          | rBV3     | 5107           | 10891         | 1.54%           | 0.269%        |
| 3         | 3.854       | 339           | 350         | 360          | rBV      | 11733          | 30601         | 4.34%           | 0.757%        |
| 4         | 4.372       | 425           | 435         | 443          | rBV2     | 5957           | 16754         | 2.38%           | 0.414%        |
| 5         | 4.604       | 462           | 473         | 484          | rVB2     | 9740           | 30505         | 4.33%           | 0.755%        |
| 6         | 5.634       | 635           | 642         | 650          | rVB5     | 2846           | 7720          | 1.10%           | 0.191%        |
| 7         | 6.884       | 840           | 847         | 860          | rBV2     | 3679           | 9786          | 1.39%           | 0.242%        |
| 8         | 7.622       | 958           | 968         | 974          | rBV      | 105032         | 252075        | 35.76%          | 6.236%        |
| 9         | 7.695       | 974           | 980         | 996          | rVB      | 168469         | 384702        | 54.57%          | 9.516%        |
| 10        | 8.049       | 1030          | 1038        | 1050         | rBV      | 92080          | 208920        | 29.64%          | 5.168%        |
| 11        | 8.610       | 1120          | 1130        | 1140         | rBV      | 268659         | 531102        | 75.34%          | 13.138%       |
| 12        | 9.902       | 1338          | 1342        | 1352         | rBV2     | 5190           | 9061          | 1.29%           | 0.224%        |
| 13        | 10.103      | 1367          | 1375        | 1383         | rBV      | 427563         | 704926        | 100.00%         | 17.438%       |
| 14        | 11.414      | 1582          | 1590        | 1600         | rBV      | 412111         | 637564        | 90.44%          | 15.772%       |
| 15        | 12.261      | 1724          | 1729        | 1735         | rVB2     | 9063           | 15374         | 2.18%           | 0.380%        |
| 16        | 12.408      | 1746          | 1753        | 1763         | rBV      | 283516         | 440325        | 62.46%          | 10.892%       |
| 17        | 12.816      | 1812          | 1820        | 1829         | rVB      | 60518          | 94763         | 13.44%          | 2.344%        |
| 18        | 13.346      | 1901          | 1907        | 1916         | rVB      | 304194         | 452631        | 64.21%          | 11.197%       |

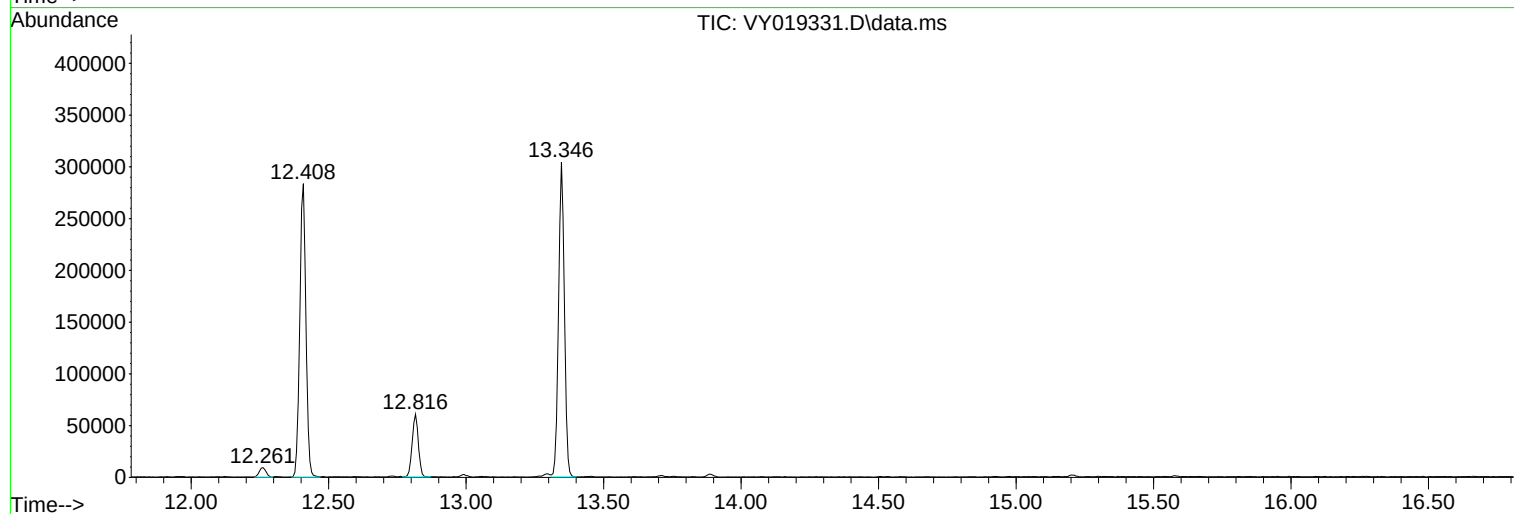
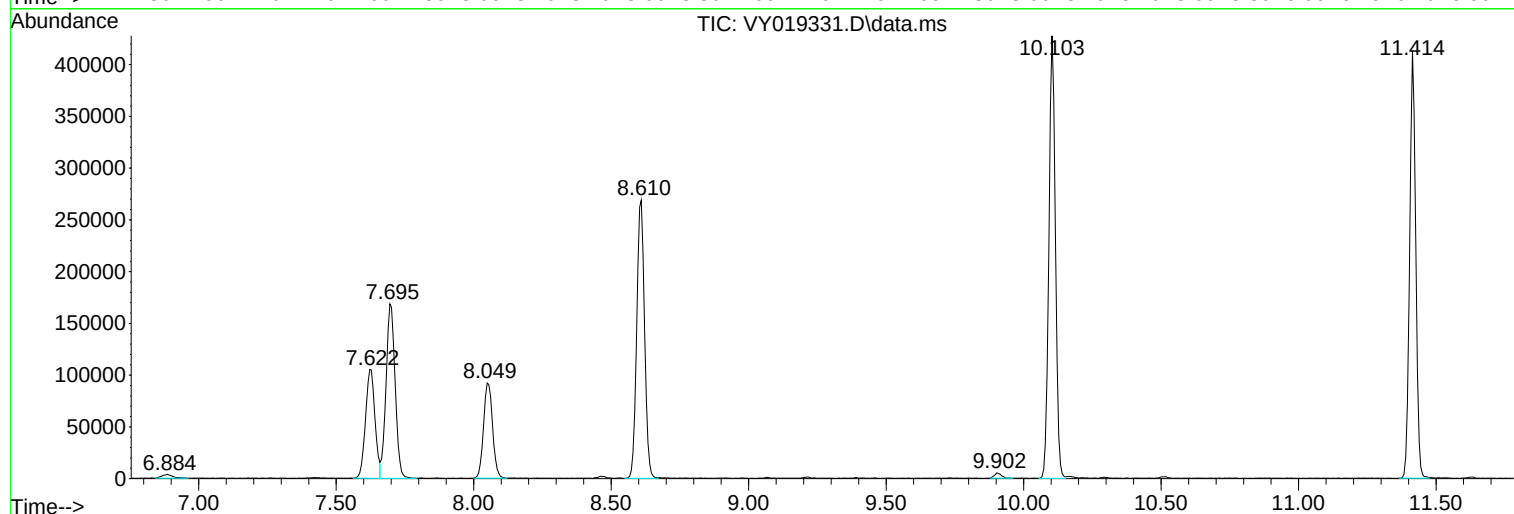
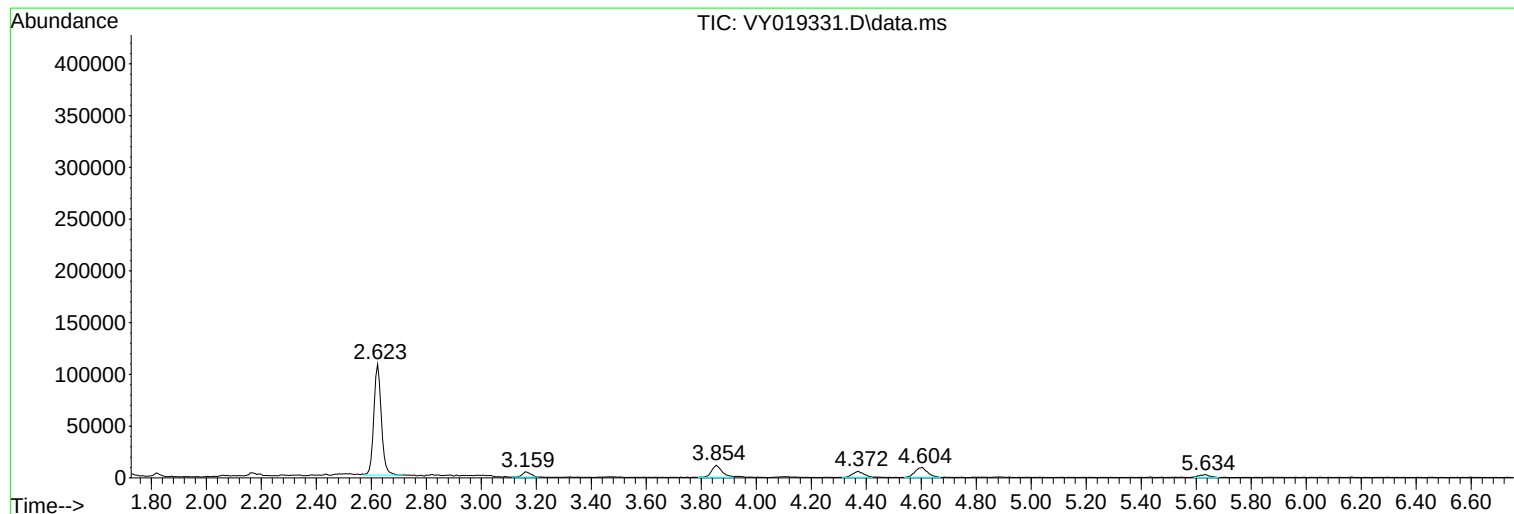
Sum of corrected areas: 4042490

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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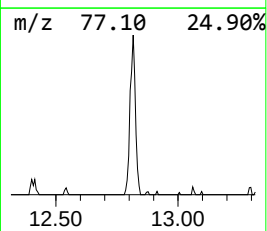
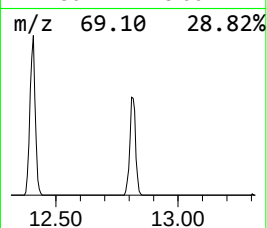
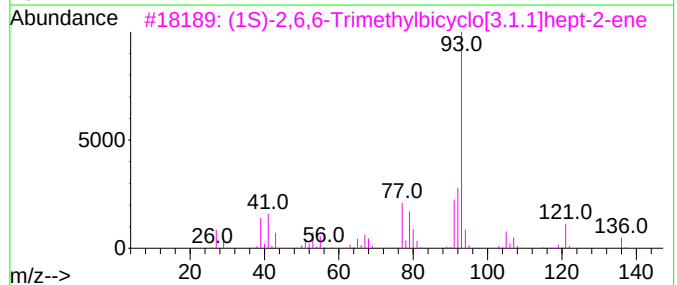
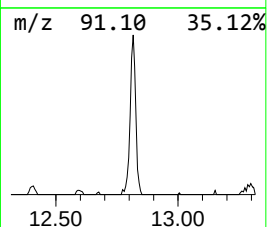
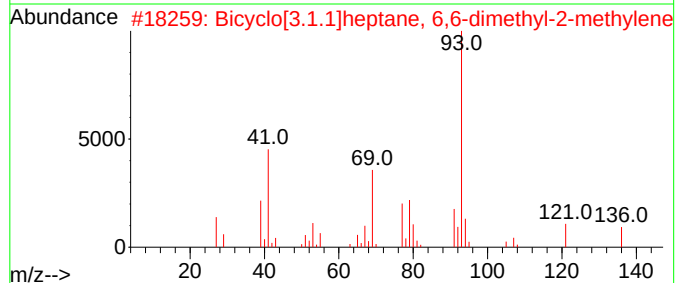
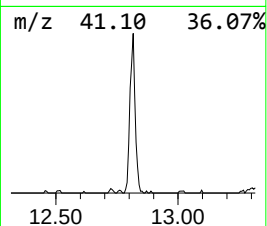
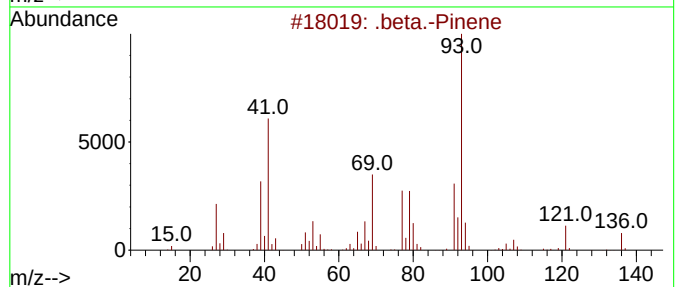
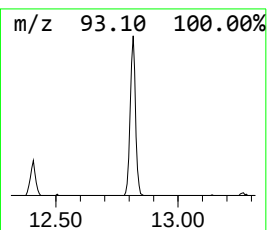
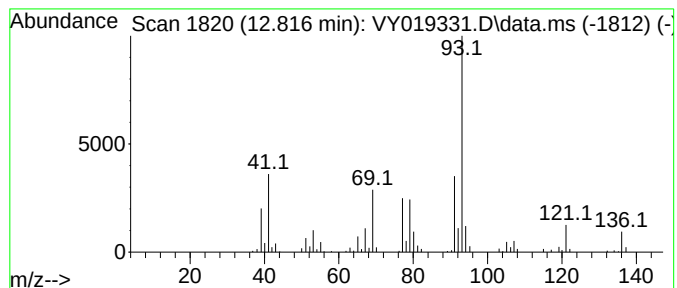
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Peak Number 2 .beta.-Pinene Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 12.816 | 10.47 ug/l | 94763 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | .beta.-Pinene                       | 136 | C10H16  | 000127-91-3 | 97   |
| 2    |      | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16  | 018172-67-3 | 97   |
| 3    |      | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-26-4 | 93   |
| 4    |      | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-70-8 | 93   |
| 5    |      | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 93   |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                  |        |         |       |          | #                     | RT     | Resp   | Conc |
| .beta.-Pinene    | 12.816 | 10.5    | ug/l  | 94763    | 4                     | 13.347 | 452631 | 50.0 |