

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
 Data File : VY006736.D  
 Acq On : 15 Nov 2021 17:11  
 Operator : SY/MD  
 Sample : VY1115SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1115SBL01

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\82Y111521S.M  
 Title : SW846 8260

Signal : TIC: VY006736.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         | 2.064       | 37            | 40          | 47           | rBV3     | 3873           | 8290          | 1.03%           | 0.161%        |
| 2         | 4.728       | 467           | 477         | 492          | rBV3     | 7452           | 25593         | 3.18%           | 0.498%        |
| 3         | 4.942       | 500           | 512         | 525          | rBV2     | 3975           | 14024         | 1.74%           | 0.273%        |
| 4         | 7.002       | 838           | 850         | 858          | rBV2     | 6588           | 25474         | 3.16%           | 0.495%        |
| 5         | 7.728       | 959           | 969         | 974          | rBV      | 90506          | 211082        | 26.21%          | 4.106%        |
| 6         | 7.795       | 974           | 980         | 993          | rVB      | 146866         | 343181        | 42.61%          | 6.675%        |
| 7         | 8.136       | 1022          | 1036        | 1050         | rBV3     | 187476         | 630181        | 78.25%          | 12.258%       |
| 8         | 8.697       | 1118          | 1128        | 1139         | rVB      | 250284         | 481753        | 59.82%          | 9.371%        |
| 9         | 10.185      | 1365          | 1372        | 1380         | rBV      | 407095         | 675217        | 83.84%          | 13.134%       |
| 10        | 10.587      | 1428          | 1438        | 1445         | rBV      | 99864          | 189972        | 23.59%          | 3.695%        |
| 11        | 10.959      | 1491          | 1499        | 1508         | rBV      | 26450          | 60900         | 7.56%           | 1.185%        |
| 12        | 11.325      | 1553          | 1559        | 1566         | rVB      | 72956          | 123306        | 15.31%          | 2.398%        |
| 13        | 11.496      | 1579          | 1587        | 1596         | rBV      | 359385         | 593282        | 73.66%          | 11.540%       |
| 14        | 12.343      | 1719          | 1726        | 1734         | rBV      | 124447         | 202653        | 25.16%          | 3.942%        |
| 15        | 12.489      | 1739          | 1750        | 1758         | rBV2     | 449583         | 805392        | 100.00%         | 15.666%       |
| 16        | 12.831      | 1799          | 1806        | 1814         | rBV8     | 6938           | 20108         | 2.50%           | 0.391%        |
| 17        | 13.148      | 1851          | 1858        | 1862         | rBV      | 66201          | 105701        | 13.12%          | 2.056%        |
| 18        | 13.190      | 1862          | 1865        | 1871         | rVB      | 16507          | 23734         | 2.95%           | 0.462%        |
| 19        | 13.373      | 1885          | 1895        | 1898         | rBV3     | 7816           | 14478         | 1.80%           | 0.282%        |
| 20        | 13.428      | 1898          | 1904        | 1911         | rVB      | 327961         | 495526        | 61.53%          | 9.638%        |
| 21        | 13.965      | 1986          | 1992        | 2001         | rBV2     | 26360          | 44478         | 5.52%           | 0.865%        |
| 22        | 14.672      | 2104          | 2108        | 2115         | rVB      | 6245           | 9693          | 1.20%           | 0.189%        |
| 23        | 15.013      | 2159          | 2164        | 2169         | rVB4     | 7920           | 12018         | 1.49%           | 0.234%        |
| 24        | 15.239      | 2195          | 2201        | 2206         | rBV      | 5852           | 10202         | 1.27%           | 0.198%        |
| 25        | 15.428      | 2221          | 2232        | 2238         | rVB3     | 7264           | 14875         | 1.85%           | 0.289%        |

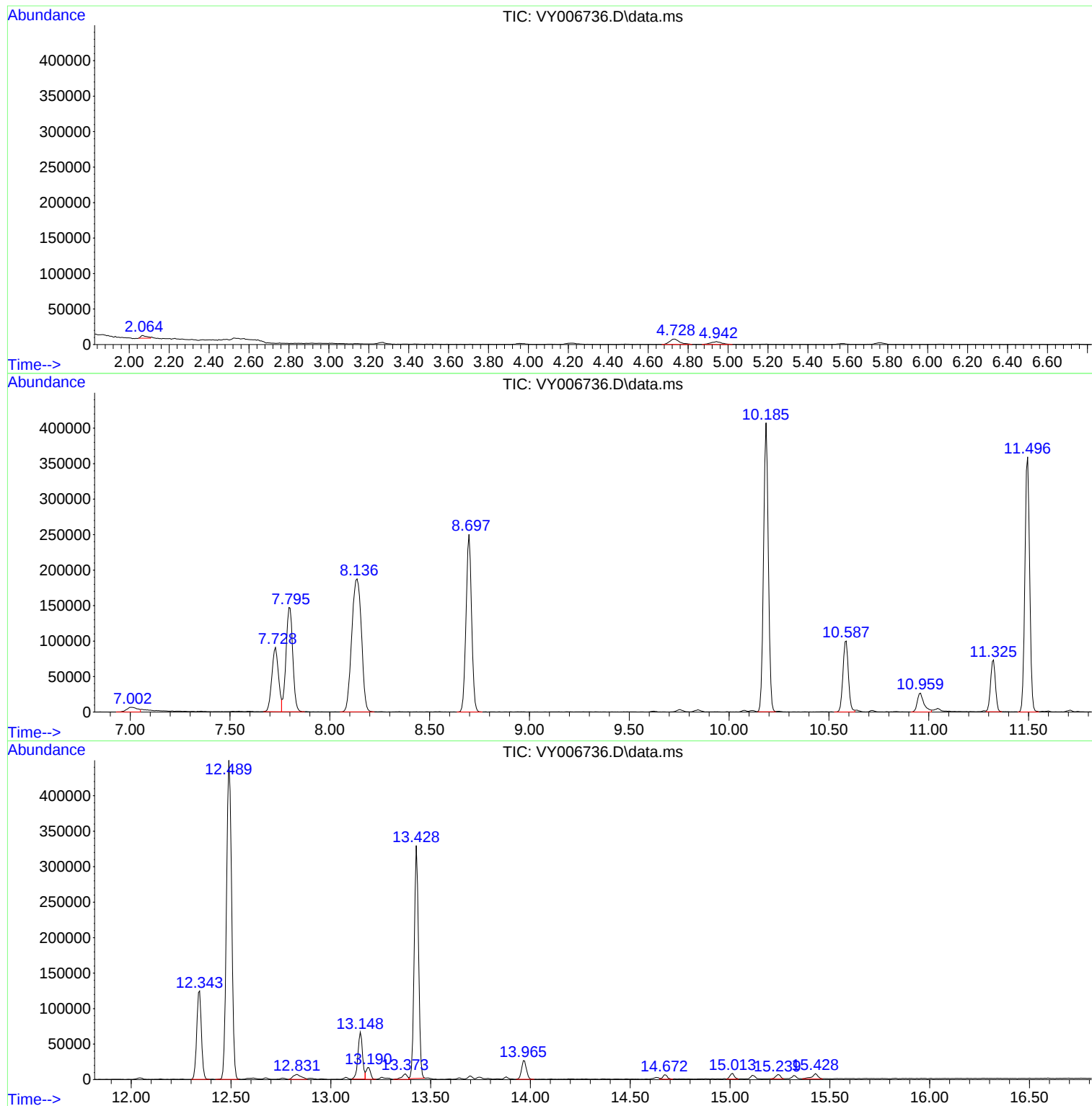
Sum of corrected areas: 5141113

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1115SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
Quant Title : SW846 8260

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



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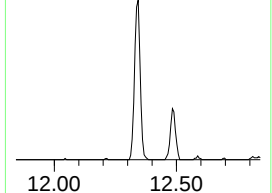
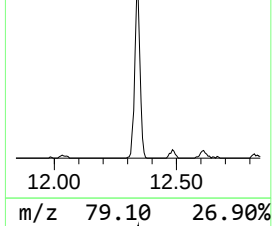
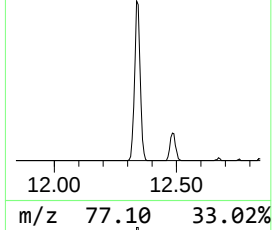
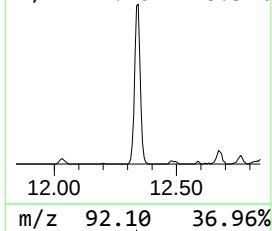
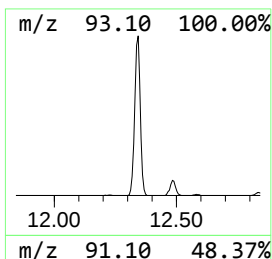
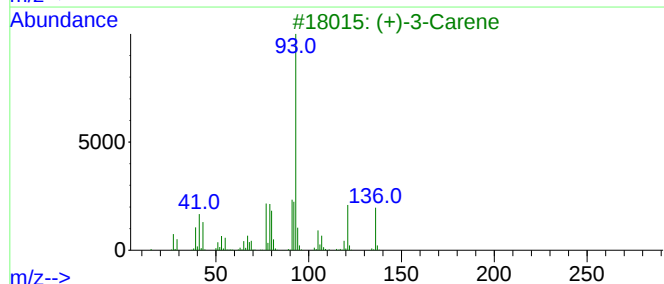
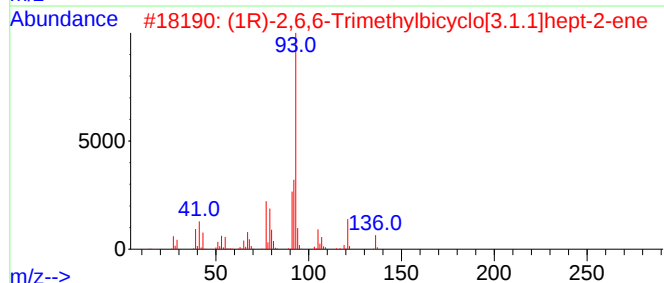
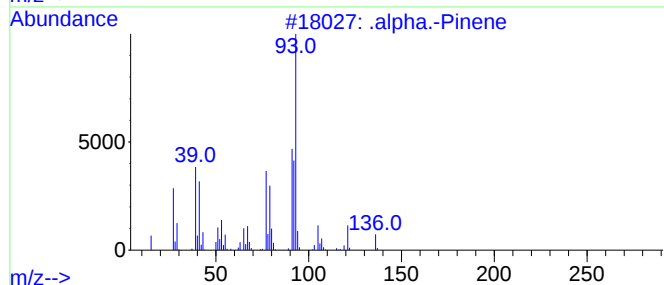
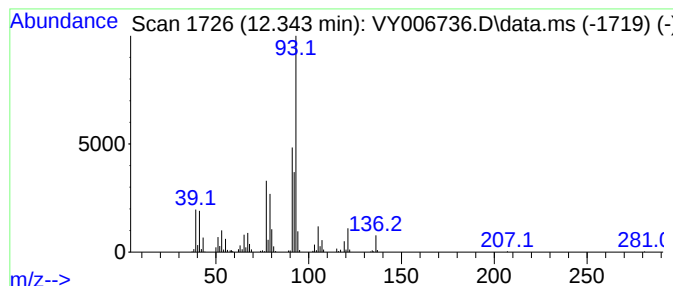
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 .alpha.-Pinene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.343 | 17.08 ug/l | 202653 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | .alpha.-Pinene                               | 136 | C10H16  | 000080-56-8 | 95   |
| 2    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136 | C10H16  | 007785-70-8 | 94   |
| 3    |    |   | (+)-3-Carene                                 | 136 | C10H16  | 000498-15-7 | 91   |
| 4    |    |   | Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-   | 136 | C10H16  | 004889-83-2 | 91   |
| 5    |    |   | 3-Carene                                     | 136 | C10H16  | 013466-78-9 | 90   |



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Quant Title : SW846 8260

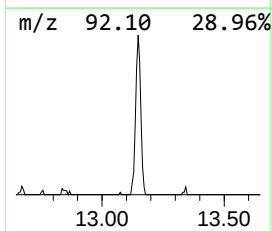
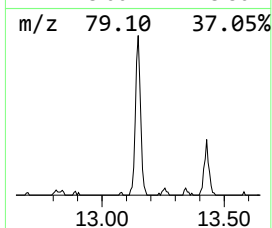
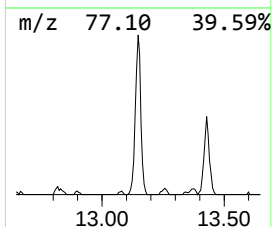
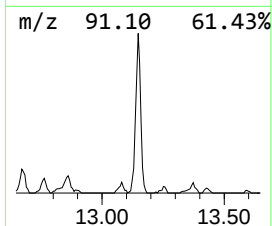
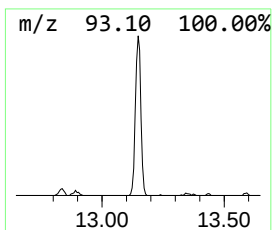
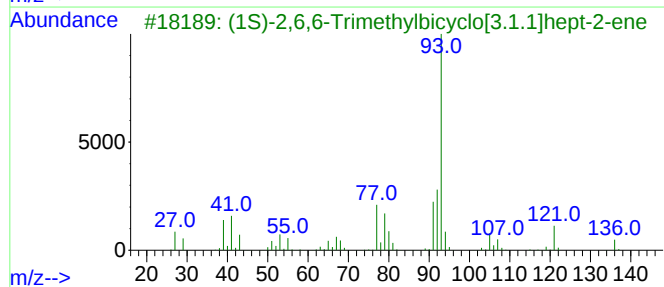
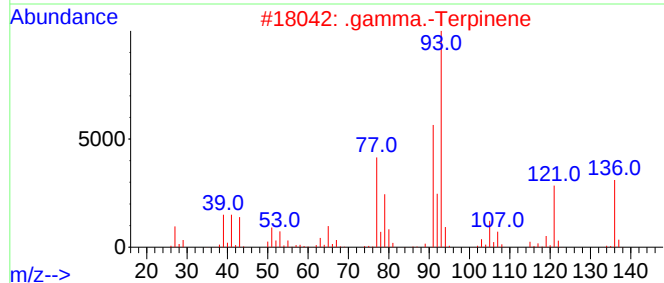
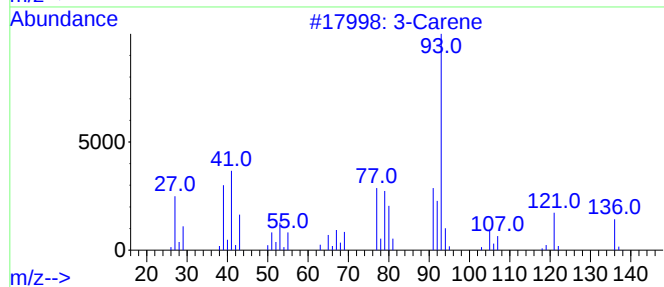
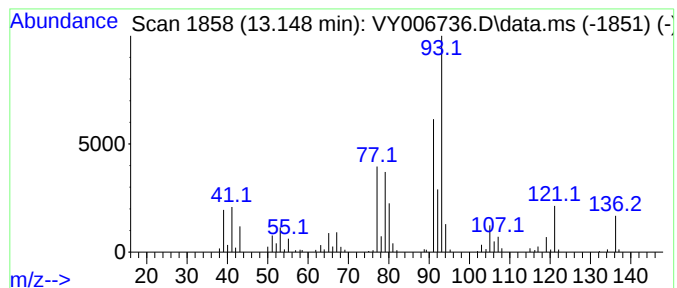
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 3-Carene Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.148 | 10.67 ug/l | 105701 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Carene                            | 136 | C10H16  | 013466-78-9 | 95   |
| 2    |    |   | .gamma.-Terpinene                   | 136 | C10H16  | 000099-85-4 | 93   |
| 3    |    |   | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-26-4 | 91   |
| 4    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-70-8 | 91   |
| 5    |    |   | Cyclopropane, 1,1-dimethyl-2-(3-... | 136 | C10H16  | 068998-21-0 | 91   |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                  |        |         |       |          | #                     | RT     | Resp   | Conc |
| .alpha.-Pinene   | 12.343 | 17.1    | ug/l  | 202653   | 3                     | 11.496 | 593282 | 50.0 |
| 3-Carene         | 13.148 | 10.7    | ug/l  | 105701   | 4                     | 13.428 | 495526 | 50.0 |