

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\  
 Data File : VY002377.D  
 Acq On : 16 Apr 2020 19:00  
 Operator : SY/MD  
 Sample : L2271-04  
 Misc : 3.84G/5ML/MSVOA Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BG-4

## 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\82Y040820S.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         | 4.743       | 486           | 493         | 502          | rVB4     | 1057           | 2767          | 1.59%           | 0.308%        |
| 2         | 7.004       | 853           | 864         | 877          | rBV2     | 3660           | 11263         | 6.48%           | 1.252%        |
| 3         | 7.736       | 973           | 984         | 990          | rBV      | 21020          | 49064         | 28.24%          | 5.456%        |
| 4         | 7.809       | 990           | 996         | 1010         | rVB      | 42629          | 95829         | 55.16%          | 10.656%       |
| 5         | 8.163       | 1044          | 1054        | 1062         | rVB3     | 18433          | 46291         | 26.65%          | 5.148%        |
| 6         | 8.705       | 1135          | 1143        | 1153         | rVB      | 67013          | 126205        | 72.65%          | 14.034%       |
| 7         | 10.193      | 1379          | 1387        | 1395         | rBV      | 99259          | 173728        | 100.00%         | 19.319%       |
| 8         | 10.589      | 1446          | 1452        | 1458         | rVB2     | 4238           | 7359          | 4.24%           | 0.818%        |
| 9         | 11.327      | 1569          | 1573        | 1582         | rVB3     | 4194           | 6770          | 3.90%           | 0.753%        |
| 10        | 11.498      | 1595          | 1601        | 1610         | rBV      | 77604          | 128943        | 74.22%          | 14.339%       |
| 11        | 12.345      | 1734          | 1740        | 1747         | rVB2     | 36550          | 58812         | 33.85%          | 6.540%        |
| 12        | 12.491      | 1757          | 1764        | 1771         | rBV      | 56343          | 87862         | 50.57%          | 9.770%        |
| 13        | 12.900      | 1827          | 1831        | 1837         | rVB4     | 1931           | 2976          | 1.71%           | 0.331%        |
| 14        | 13.436      | 1913          | 1919        | 1925         | rBV      | 66656          | 99285         | 57.15%          | 11.041%       |
| 15        | 14.497      | 2087          | 2093        | 2097         | rVB3     | 1299           | 2111          | 1.22%           | 0.235%        |

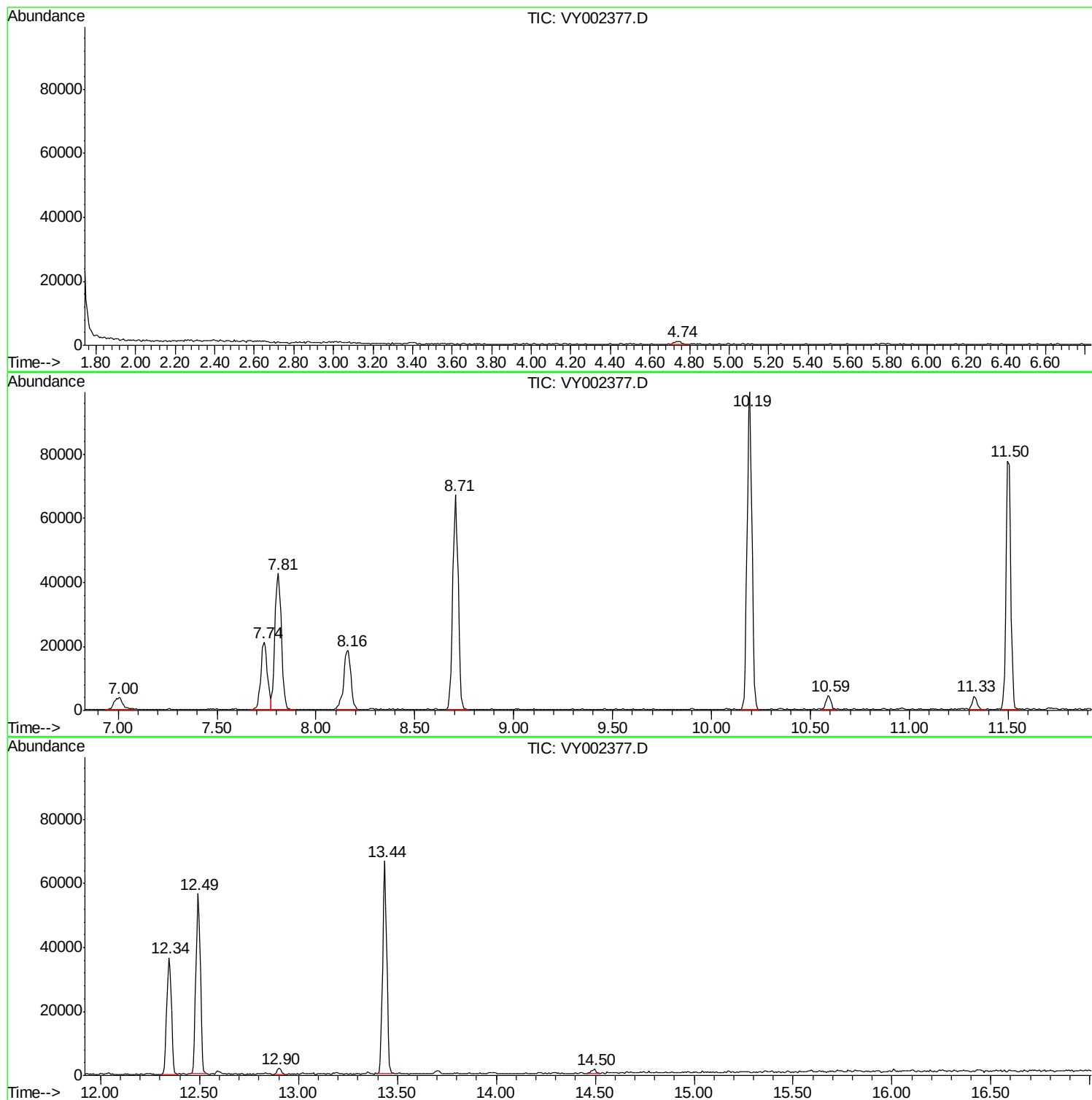
Sum of corrected areas: 899265

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
Quant Title : SW846 8260

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



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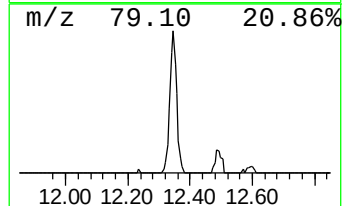
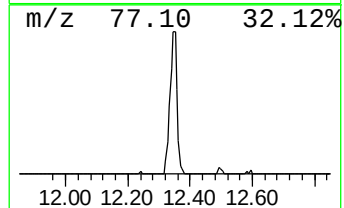
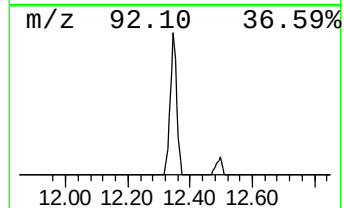
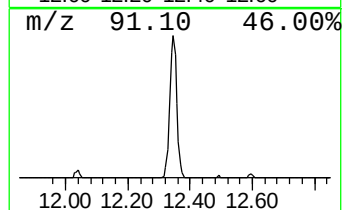
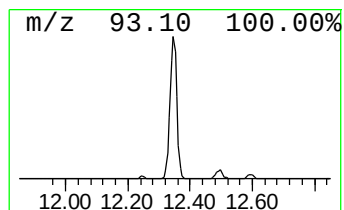
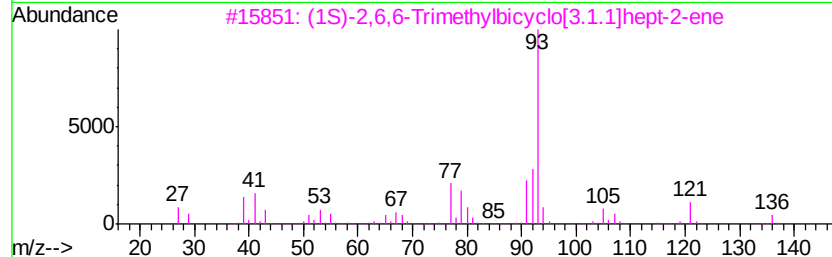
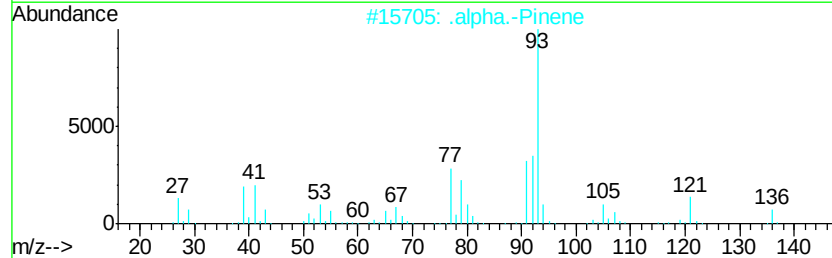
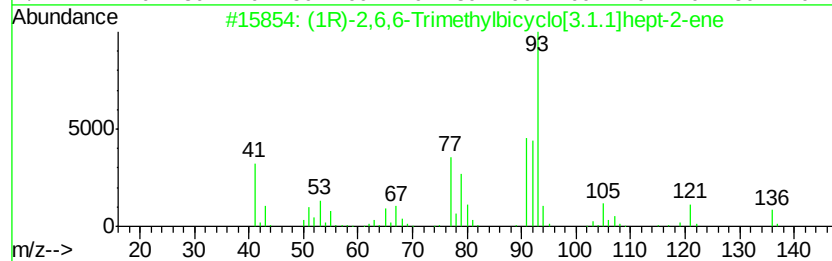
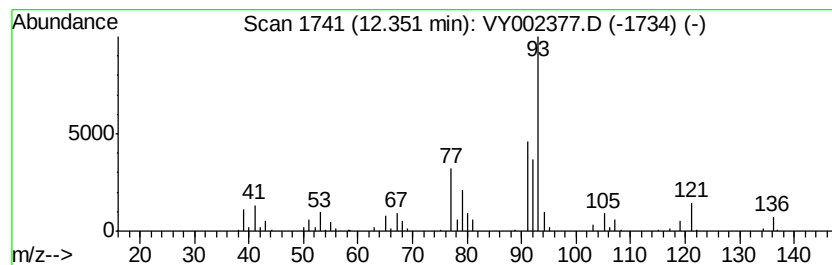
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
Quant Title : SW846 8260

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

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Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

| R.T.    | EstConc                                      | Area         | Relative to ISTD | R.T.        |      |      |
|---------|----------------------------------------------|--------------|------------------|-------------|------|------|
| 12.35   | 22.81 ug/l                                   | 58812        | Chlorobenzene-d5 | 11.50       |      |      |
| Hit# of | 5                                            | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | (1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136          | C10H16           | 007785-70-8 | 95   |      |
| 2       | .alpha.-Pinene                               | 136          | C10H16           | 000080-56-8 | 93   |      |
| 3       | (1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136          | C10H16           | 007785-26-4 | 90   |      |
| 4       | .gamma.-Terpinene                            | 136          | C10H16           | 000099-85-4 | 87   |      |
| 5       | 3-Carene                                     | 136          | C10H16           | 013466-78-9 | 83   |      |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (1R)-2,6,6-Trimet... | 12.35 | 22.8    | ug/l  | 58812    | 3                     | 11.50 | 128943 | 50.0 |