

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031221\  
 Data File : VD068610.D  
 Acq On : 12 Mar 2021 16:58  
 Operator : VA/SY  
 Sample : M1678-02  
 Misc : 5.21G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 D2470-D2800(SOIL)-A

Integration Parameters: RTEINT.P

Integrator: RTE

Smoother: 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\_D\Method\82D022621S.M

Title : SW846 8260

Signal : TIC: VD068610.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         | 4.414       | 412           | 424         | 434          | rBV      | 84090          | 233654        | 1.84%           | 0.727%        |
| 2         | 7.214       | 890           | 900         | 912          | rBV      | 106163         | 282655        | 2.23%           | 0.880%        |
| 3         | 7.920       | 1009          | 1020        | 1024         | rBV3     | 82365          | 199551        | 1.58%           | 0.621%        |
| 4         | 7.979       | 1024          | 1030        | 1042         | rVB      | 362971         | 813964        | 6.42%           | 2.534%        |
| 5         | 8.332       | 1080          | 1090        | 1099         | rBV      | 190285         | 435158        | 3.43%           | 1.355%        |
| 6         | 8.867       | 1169          | 1181        | 1191         | rBV      | 545092         | 1110426       | 8.76%           | 3.457%        |
| 7         | 10.338      | 1421          | 1431        | 1439         | rBV      | 889763         | 1608721       | 12.70%          | 5.008%        |
| 8         | 11.643      | 1645          | 1653        | 1659         | rBV      | 822124         | 1413524       | 11.16%          | 4.400%        |
| 9         | 11.743      | 1664          | 1670        | 1680         | rVV      | 1836019        | 2988077       | 23.58%          | 9.302%        |
| 10        | 11.849      | 1680          | 1688        | 1707         | rVB      | 7153750        | 12669687      | 100.00%         | 39.440%       |
| 11        | 12.179      | 1735          | 1744        | 1761         | rVB      | 3756066        | 6067765       | 47.89%          | 18.888%       |
| 12        | 12.485      | 1785          | 1796        | 1804         | rBV2     | 366908         | 610045        | 4.81%           | 1.899%        |
| 13        | 12.632      | 1812          | 1821        | 1828         | rBV      | 727240         | 1174705       | 9.27%           | 3.657%        |
| 14        | 13.514      | 1960          | 1971        | 1975         | rBV      | 401234         | 761049        | 6.01%           | 2.369%        |
| 15        | 13.573      | 1975          | 1981        | 1988         | rVB      | 1021618        | 1619646       | 12.78%          | 5.042%        |
| 16        | 15.396      | 2284          | 2291        | 2297         | rBV      | 75821          | 135663        | 1.07%           | 0.422%        |

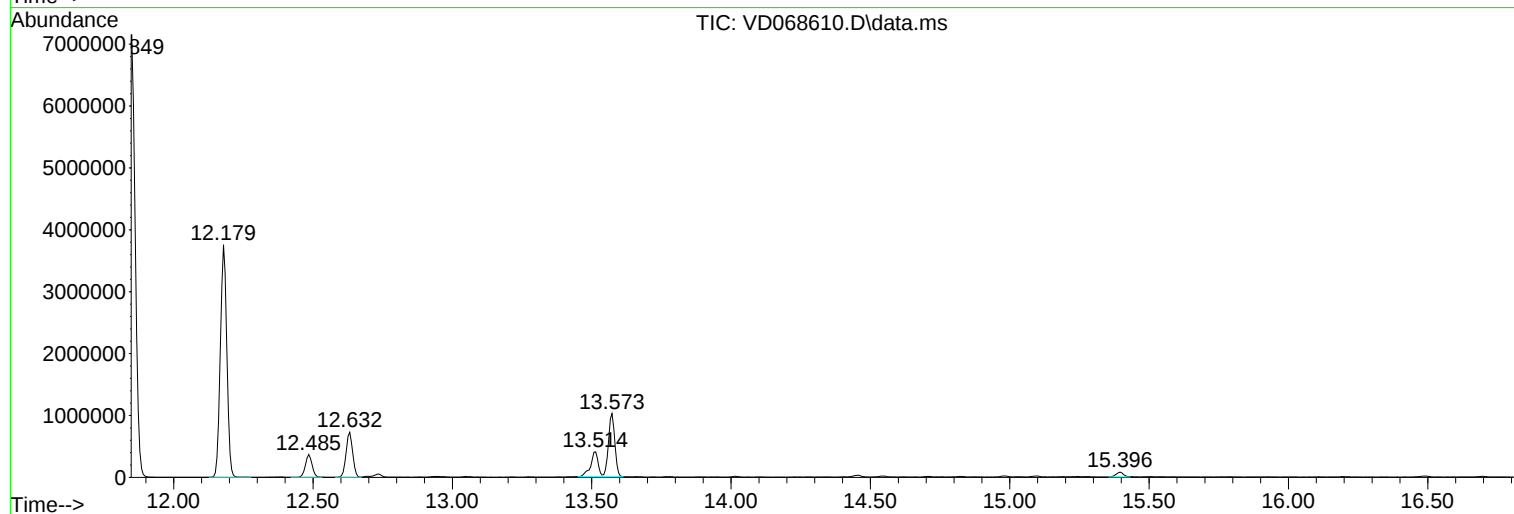
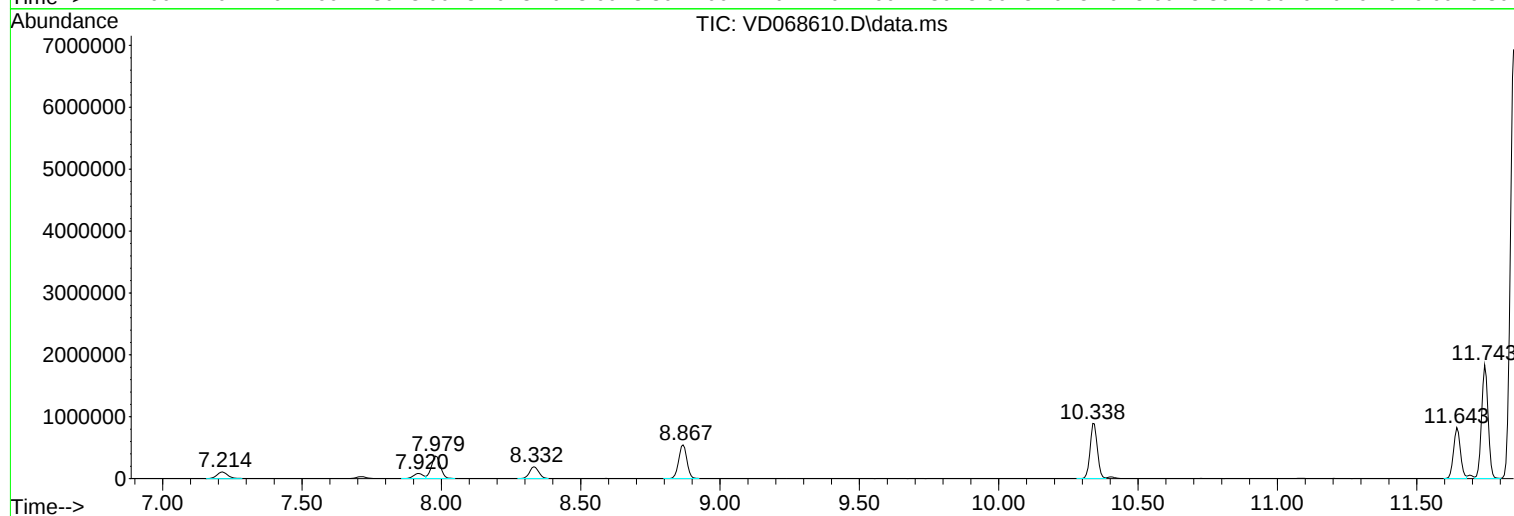
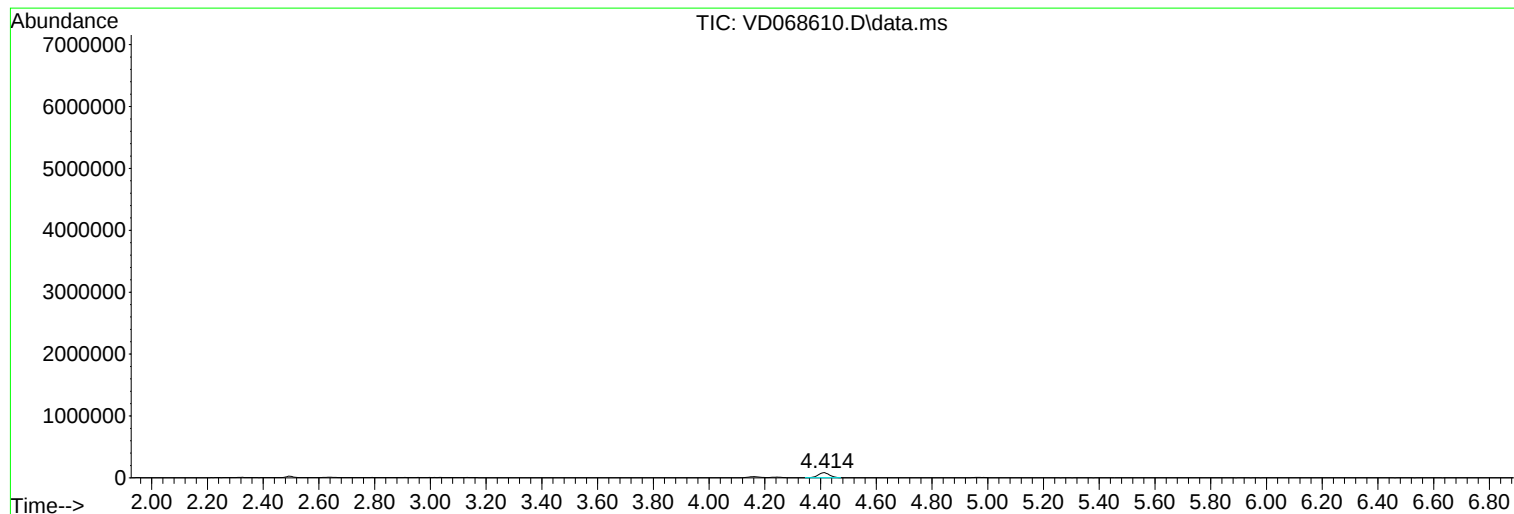
Sum of corrected areas: 32124290

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MSVOA\_D  
ClientSampleId :  
D2470-D2800(SOIL)-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260

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



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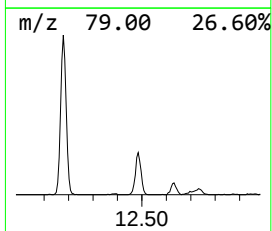
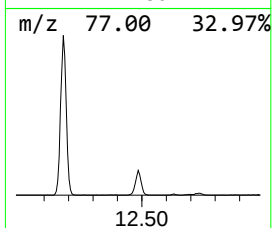
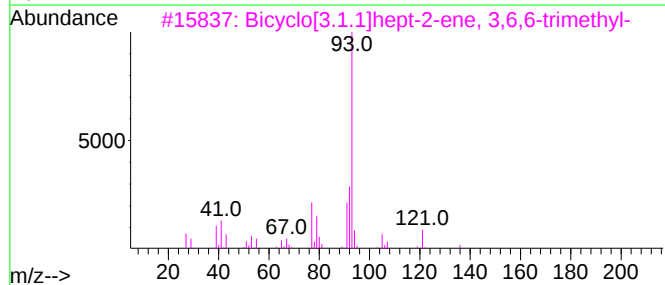
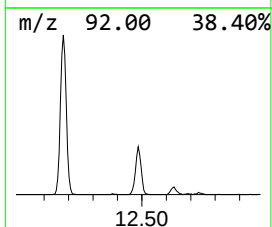
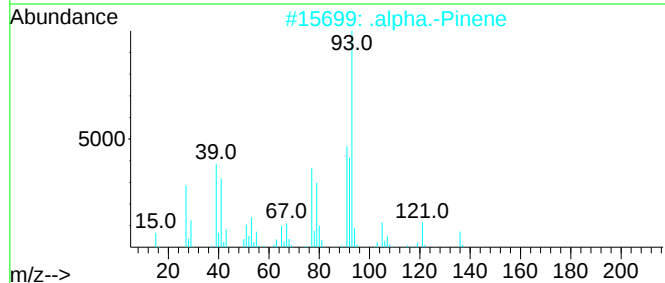
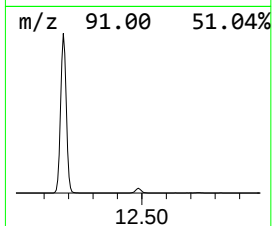
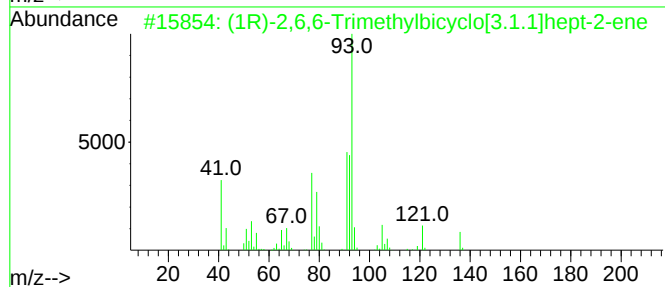
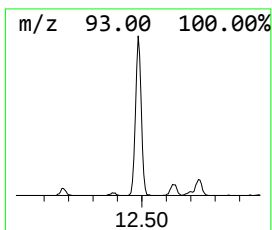
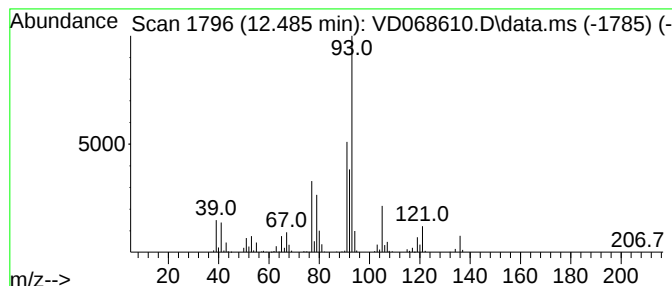
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260

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

| R.T.      | EstConc                                      | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------------------|--------|------------------|-------------|------|
| 12.485    | 21.58 ug/l                                   | 610045 | Chlorobenzene-d5 | 11.643      |      |
| 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 | 93   |
| 2         | .alpha.-Pinene                               | 136    | C10H16           | 000080-56-8 | 93   |
| 3         | Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-   | 136    | C10H16           | 004889-83-2 | 90   |
| 4         | (1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136    | C10H16           | 007785-26-4 | 80   |
| 5         | Bicyclo[3.1.1]heptane, 6,6-dimethyl-         | 136    | C10H16           | 018172-67-3 | 70   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| (1R)-2,6,6-Trim... | 12.485 | 21.6    | ug/l  | 610045   | 3                     | 11.643 | 1413520 | 50.0 |