

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\  
 Data File : VY000460.D  
 Acq On : 28 Oct 2019 17:20  
 Operator : SY/MD  
 Sample : K5576-10  
 Misc : 4.70G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-1-8-2

## 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\82Y101119S.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         | 1.865       | 17            | 21          | 27           | rVB      | 6672           | 10742         | 1.13%           | 0.206%        |
| 2         | 2.908       | 185           | 192         | 198          | rBV3     | 11246          | 22936         | 2.41%           | 0.440%        |
| 3         | 4.724       | 482           | 490         | 495          | rBV5     | 4671           | 12387         | 1.30%           | 0.238%        |
| 4         | 4.816       | 495           | 505         | 524          | rVB3     | 40373          | 143065        | 15.02%          | 2.744%        |
| 5         | 7.730       | 974           | 983         | 989          | rBV2     | 132730         | 316883        | 33.26%          | 6.078%        |
| 6         | 7.803       | 989           | 995         | 1006         | rVB      | 235381         | 530938        | 55.73%          | 10.184%       |
| 7         | 8.157       | 1044          | 1053        | 1064         | rBV      | 142174         | 306307        | 32.15%          | 5.875%        |
| 8         | 8.699       | 1133          | 1142        | 1155         | rBV      | 364164         | 706378        | 74.14%          | 13.549%       |
| 9         | 10.187      | 1378          | 1386        | 1393         | rBV      | 556145         | 952729        | 100.00%         | 18.274%       |
| 10        | 11.492      | 1592          | 1600        | 1611         | rVB      | 487031         | 779253        | 81.79%          | 14.947%       |
| 11        | 12.479      | 1755          | 1762        | 1770         | rVB      | 347285         | 546113        | 57.32%          | 10.475%       |
| 12        | 13.424      | 1910          | 1917        | 1924         | rBV      | 414051         | 623954        | 65.49%          | 11.968%       |
| 13        | 13.625      | 1944          | 1950        | 1954         | rBV5     | 7193           | 11970         | 1.26%           | 0.230%        |
| 14        | 14.680      | 2117          | 2123        | 2128         | rBV6     | 7247           | 12573         | 1.32%           | 0.241%        |
| 15        | 15.235      | 2207          | 2214        | 2219         | rBV      | 80253          | 130273        | 13.67%          | 2.499%        |
| 16        | 16.289      | 2380          | 2387        | 2396         | rVB2     | 27421          | 55944         | 5.87%           | 1.073%        |
| 17        | 16.485      | 2413          | 2419        | 2427         | rVB3     | 24637          | 51064         | 5.36%           | 0.979%        |

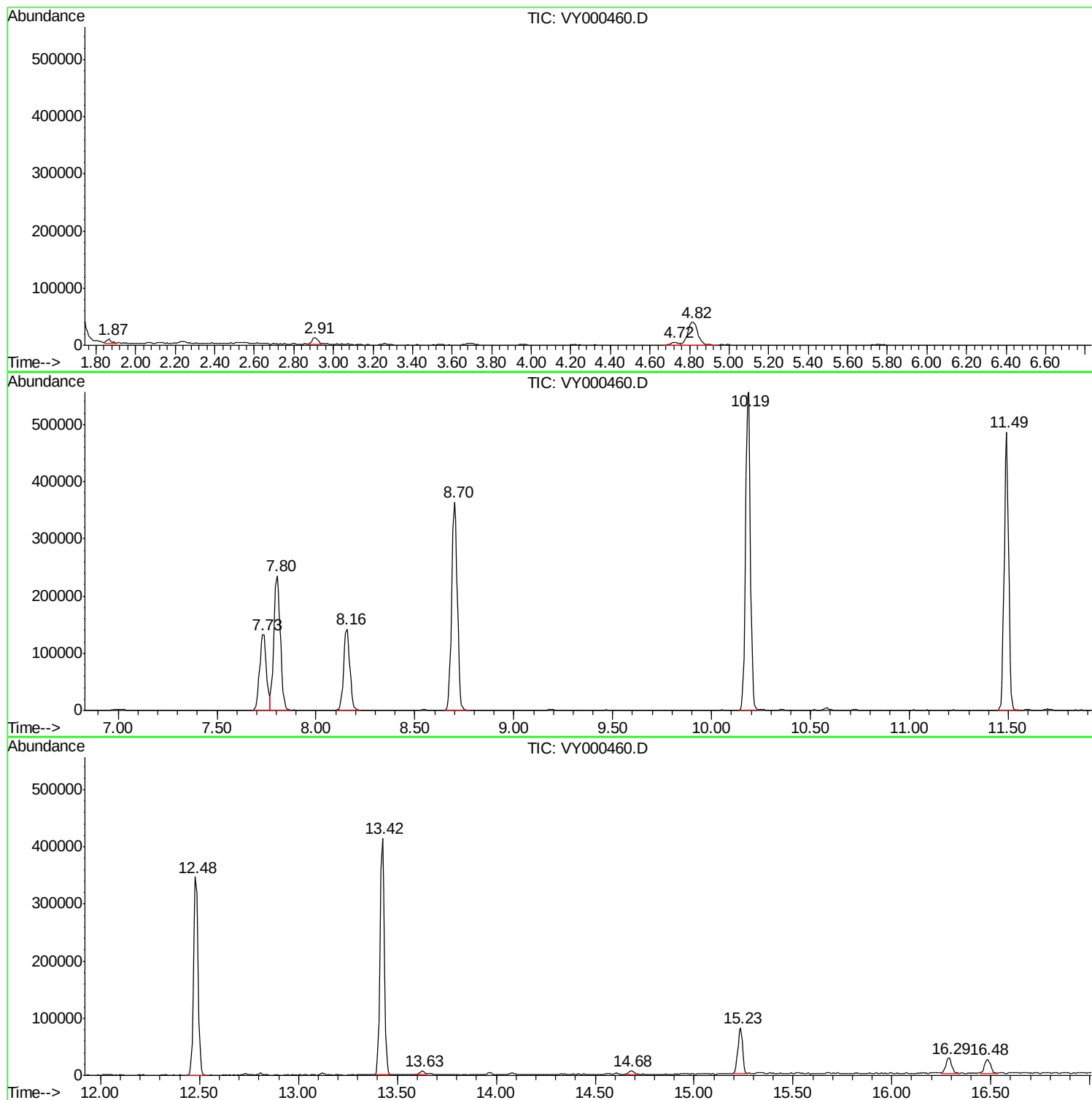
Sum of corrected areas: 5213509

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260

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



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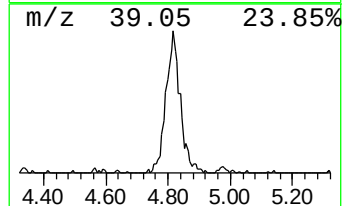
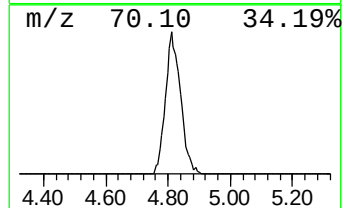
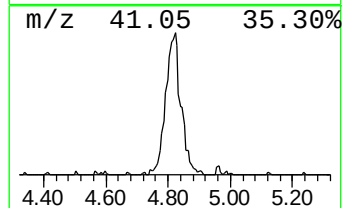
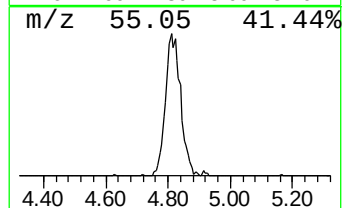
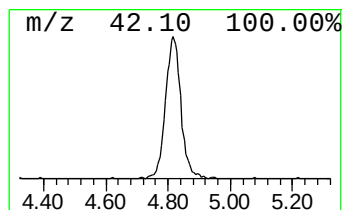
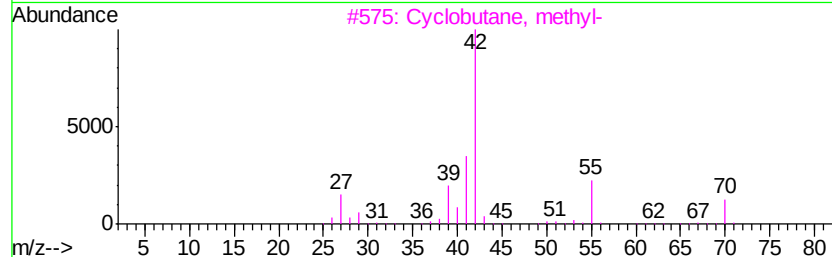
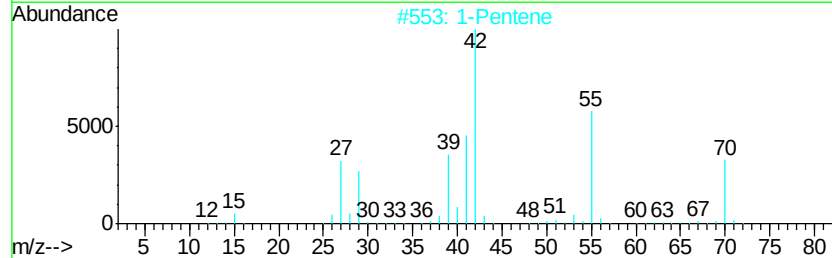
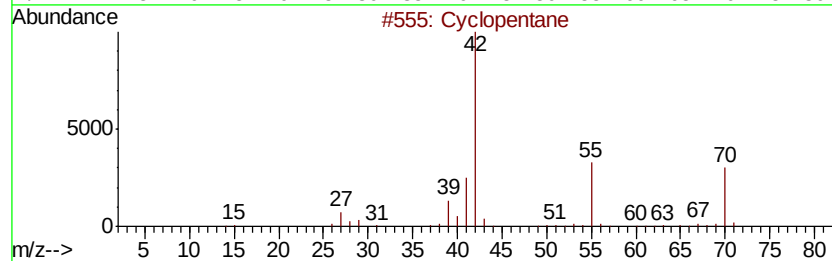
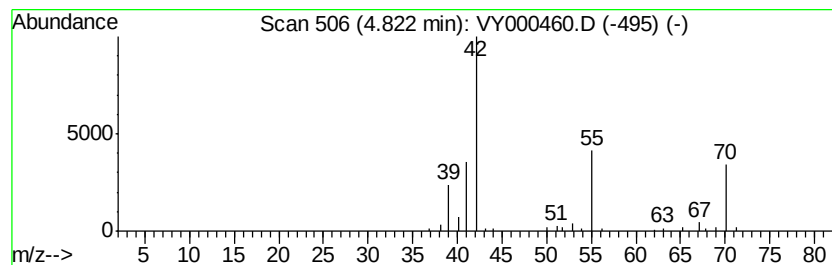
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclopentane Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 4.82 | 13.47 ug/l | 143065 | Pentafluorobenzene | 7.80 |

| Hit# | of | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane           | 70 | C5H10   | 000287-92-3 | 80   |
| 2    |    | 1-Pentene              | 70 | C5H10   | 000109-67-1 | 72   |
| 3    |    | Cyclobutane, methyl-   | 70 | C5H10   | 000598-61-8 | 72   |
| 4    |    | 3-Buten-1-ol           | 72 | C4H8O   | 000627-27-0 | 33   |
| 5    |    | Methyl propargyl ether | 70 | C4H6O   | 000627-41-8 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Cyclopentane     | 4.82 | 13.5    | ug/l  | 143065   | 1                     | 7.80 | 530938 | 50.0 |