

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\  
 Data File : VW008333.D  
 Acq On : 17 Jan 2019 17:31  
 Operator : SY/VA  
 Sample : K1191-01  
 Misc : 10.23G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SITE4-01

## 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\_W\METHOD\82W011719S.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         | 2.635       | 113           | 120         | 122          | rBV7     | 5649           | 10619         | 1.85%           | 0.290%        |
| 2         | 3.032       | 179           | 185         | 194          | rVB7     | 6986           | 16583         | 2.89%           | 0.454%        |
| 3         | 3.379       | 236           | 242         | 249          | rBV3     | 5864           | 14059         | 2.45%           | 0.384%        |
| 4         | 4.117       | 353           | 363         | 374          | rBV      | 32508          | 87397         | 15.23%          | 2.390%        |
| 5         | 5.001       | 494           | 508         | 526          | rVV2     | 67279          | 256097        | 44.63%          | 7.004%        |
| 6         | 5.171       | 528           | 536         | 547          | rVB3     | 5649           | 18515         | 3.23%           | 0.506%        |
| 7         | 7.141       | 849           | 859         | 861          | rBV2     | 7430           | 16195         | 2.82%           | 0.443%        |
| 8         | 7.884       | 972           | 981         | 986          | rBV2     | 70030          | 172409        | 30.04%          | 4.715%        |
| 9         | 7.945       | 986           | 991         | 1001         | rVB      | 135560         | 294844        | 51.38%          | 8.063%        |
| 10        | 8.305       | 1041          | 1050        | 1062         | rBV      | 78867          | 173896        | 30.30%          | 4.756%        |
| 11        | 8.841       | 1128          | 1138        | 1147         | rBV      | 209206         | 409500        | 71.36%          | 11.199%       |
| 12        | 10.323      | 1372          | 1381        | 1388         | rBV      | 320463         | 573853        | 100.00%         | 15.694%       |
| 13        | 10.847      | 1462          | 1467        | 1474         | rVB2     | 8113           | 13500         | 2.35%           | 0.369%        |
| 14        | 11.408      | 1553          | 1559        | 1566         | rBV5     | 3612           | 7841          | 1.37%           | 0.214%        |
| 15        | 11.634      | 1588          | 1596        | 1603         | rBV      | 290301         | 485782        | 84.65%          | 13.285%       |
| 16        | 11.841      | 1623          | 1630        | 1632         | rBV6     | 3202           | 6628          | 1.15%           | 0.181%        |
| 17        | 12.152      | 1670          | 1681        | 1682         | rBV9     | 3418           | 8750          | 1.52%           | 0.239%        |
| 18        | 12.365      | 1708          | 1716        | 1722         | rBV10    | 2604           | 7532          | 1.31%           | 0.206%        |
| 19        | 12.475      | 1729          | 1734        | 1742         | rVB5     | 6030           | 12268         | 2.14%           | 0.336%        |
| 20        | 12.621      | 1751          | 1758        | 1766         | rBV      | 234023         | 378901        | 66.03%          | 10.362%       |
| 21        | 12.865      | 1791          | 1798        | 1802         | rBV5     | 5136           | 10573         | 1.84%           | 0.289%        |
| 22        | 12.944      | 1805          | 1811        | 1815         | rVB6     | 8863           | 16947         | 2.95%           | 0.463%        |
| 23        | 13.255      | 1857          | 1862        | 1866         | rBV2     | 6733           | 9218          | 1.61%           | 0.252%        |
| 24        | 13.450      | 1887          | 1894        | 1897         | rBV9     | 2456           | 5821          | 1.01%           | 0.159%        |
| 25        | 13.560      | 1905          | 1912        | 1921         | rVV      | 291440         | 480668        | 83.76%          | 13.145%       |
| 26        | 13.877      | 1959          | 1964        | 1970         | rBV5     | 8730           | 13925         | 2.43%           | 0.381%        |
| 27        | 14.212      | 2014          | 2019        | 2021         | rBV5     | 3572           | 6107          | 1.06%           | 0.167%        |
| 28        | 14.389      | 2044          | 2048        | 2052         | rBV7     | 4255           | 6055          | 1.06%           | 0.166%        |
| 29        | 14.731      | 2100          | 2104        | 2110         | rVB6     | 6299           | 10080         | 1.76%           | 0.276%        |
| 30        | 14.798      | 2110          | 2115        | 2122         | rBV7     | 5526           | 14624         | 2.55%           | 0.400%        |
| 31        | 15.371      | 2201          | 2209        | 2216         | rBV      | 21876          | 44381         | 7.73%           | 1.214%        |
| 32        | 15.505      | 2225          | 2231        | 2236         | rBV3     | 3748           | 8121          | 1.42%           | 0.222%        |
| 33        | 15.566      | 2236          | 2241        | 2247         | rVB8     | 6351           | 10965         | 1.91%           | 0.300%        |
| 34        | 15.877      | 2288          | 2292        | 2297         | rVB8     | 3492           | 7021          | 1.22%           | 0.192%        |

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SITE4-01

## 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\_W\METHOD\82W011719S.M  
Title : SW846 8260

|    |        |      |      |      |      |      |       |       |        |
|----|--------|------|------|------|------|------|-------|-------|--------|
| 35 | 16.383 | 2370 | 2375 | 2381 | rBV9 | 4165 | 9908  | 1.73% | 0.271% |
| 36 | 16.450 | 2381 | 2386 | 2393 | rVV4 | 7946 | 15994 | 2.79% | 0.437% |
| 37 | 16.657 | 2413 | 2420 | 2428 | rBV5 | 7776 | 20981 | 3.66% | 0.574% |

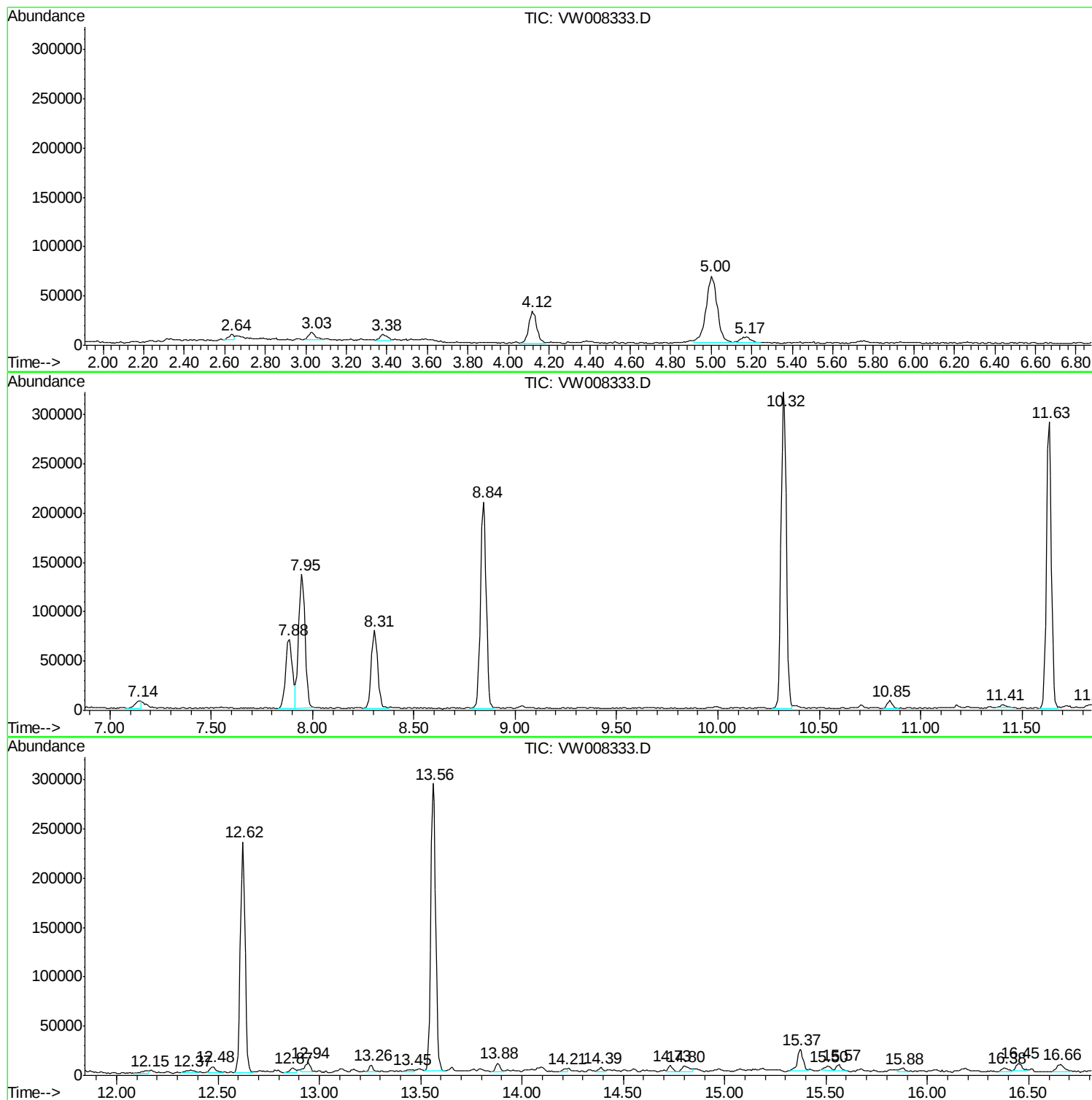
Sum of corrected areas: 3656558

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W011719S.M  
Quant Title : SW846 8260

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



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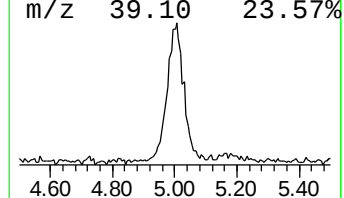
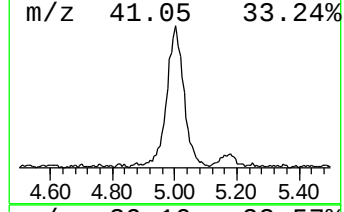
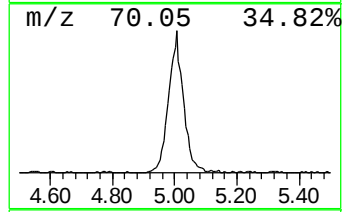
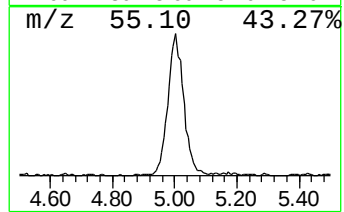
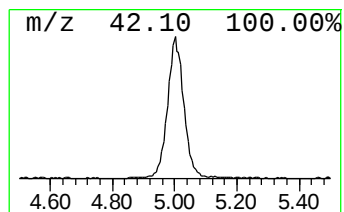
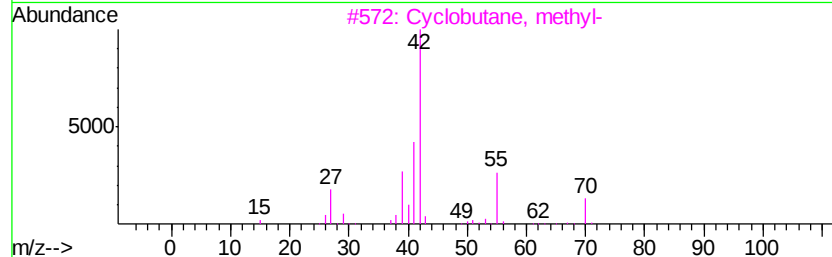
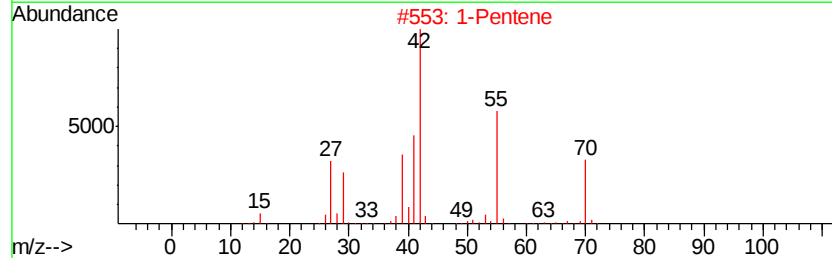
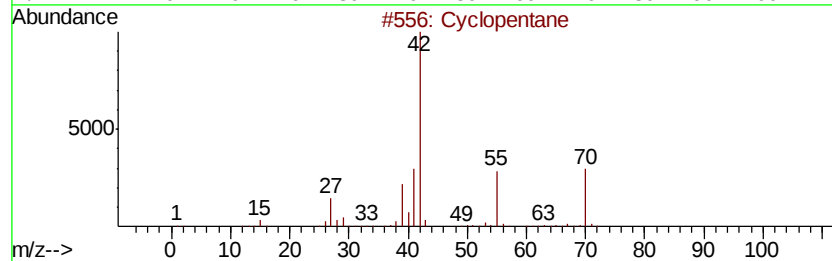
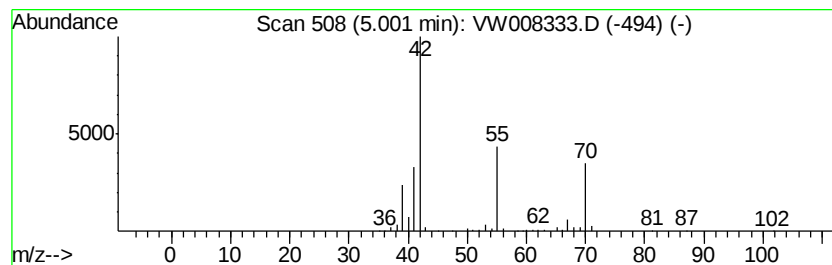
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W011719S.M  
Quant Title : SW846 8260

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. |
|------|------------|--------|--------------------|------|
| 5.00 | 43.43 ug/l | 256097 | Pentafluorobenzene | 7.95 |

| 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 | 78   |
| 3    |    | Cyclobutane, methyl- | 70 | C5H10   | 000598-61-8 | 72   |
| 4    |    | 3-Buten-1-ol         | 72 | C4H8O   | 000627-27-0 | 40   |
| 5    |    | n-Propyl chloride    | 78 | C3H7Cl  | 000540-54-5 | 36   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Cyclopentane     | 5.00 | 43.4    | ug/l  | 256097   | 1                     | 7.95 | 294844 | 50.0 |