

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041923\  
 Data File : VY013350.D  
 Acq On : 19 Apr 2023 17:05  
 Operator : KP/MD  
 Sample : 02371-11  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-19-8.0-8.5

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\82Y041223S.M

Title : SW846 8260

Signal : TIC: VY013350.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         | 2.125       | 46            | 50          | 51           | rBV2     | 864            | 941           | 1.09%           | 0.172%        |
| 2         | 2.223       | 59            | 66          | 75           | rVB5     | 3659           | 7245          | 8.40%           | 1.321%        |
| 3         | 2.747       | 150           | 152         | 155          | rVB4     | 1030           | 1105          | 1.28%           | 0.201%        |
| 4         | 3.253       | 231           | 235         | 237          | rBV3     | 681            | 924           | 1.07%           | 0.168%        |
| 5         | 3.357       | 250           | 252         | 257          | rVB3     | 692            | 938           | 1.09%           | 0.171%        |
| 6         | 3.948       | 344           | 349         | 354          | rVV3     | 809            | 1242          | 1.44%           | 0.226%        |
| 7         | 4.180       | 382           | 387         | 388          | rBV3     | 713            | 1034          | 1.20%           | 0.189%        |
| 8         | 4.198       | 388           | 390         | 396          | rVB3     | 913            | 1948          | 2.26%           | 0.355%        |
| 9         | 4.290       | 402           | 405         | 410          | rVB2     | 762            | 1248          | 1.45%           | 0.228%        |
| 10        | 4.710       | 465           | 474         | 484          | rBV2     | 6316           | 21187         | 24.57%          | 3.863%        |
| 11        | 5.740       | 636           | 643         | 645          | rBV4     | 1994           | 3566          | 4.14%           | 0.650%        |
| 12        | 6.972       | 835           | 845         | 857          | rBV2     | 7123           | 20142         | 23.36%          | 3.672%        |
| 13        | 7.716       | 958           | 967         | 973          | rBV2     | 16746          | 39737         | 46.08%          | 7.245%        |
| 14        | 7.789       | 973           | 979         | 989          | rVB2     | 27205          | 61805         | 71.68%          | 11.268%       |
| 15        | 8.142       | 1029          | 1037        | 1047         | rVB2     | 15558          | 34937         | 40.52%          | 6.370%        |
| 16        | 8.691       | 1119          | 1127        | 1135         | rBV      | 35914          | 69629         | 80.75%          | 12.694%       |
| 17        | 10.179      | 1364          | 1371        | 1379         | rBV      | 48266          | 86227         | 100.00%         | 15.721%       |
| 18        | 10.575      | 1434          | 1436        | 1439         | rBV2     | 851            | 960           | 1.11%           | 0.175%        |
| 19        | 10.941      | 1494          | 1496        | 1502         | rBV4     | 647            | 1344          | 1.56%           | 0.245%        |
| 20        | 11.313      | 1553          | 1557        | 1562         | rVB3     | 1476           | 1989          | 2.31%           | 0.363%        |
| 21        | 11.489      | 1579          | 1586        | 1597         | rBV2     | 44231          | 75159         | 87.16%          | 13.703%       |
| 22        | 12.483      | 1744          | 1749        | 1760         | rVB2     | 30991          | 55217         | 64.04%          | 10.067%       |
| 23        | 13.343      | 1884          | 1890        | 1893         | rBV3     | 826            | 1245          | 1.44%           | 0.227%        |
| 24        | 13.428      | 1897          | 1904        | 1915         | rVV2     | 30905          | 50126         | 58.13%          | 9.139%        |
| 25        | 13.965      | 1988          | 1992        | 1996         | rBV2     | 918            | 1576          | 1.83%           | 0.287%        |
| 26        | 15.239      | 2198          | 2201        | 2204         | rBV2     | 976            | 1580          | 1.83%           | 0.288%        |
| 27        | 15.312      | 2210          | 2213        | 2219         | rBV5     | 1759           | 2547          | 2.95%           | 0.464%        |
| 28        | 15.495      | 2241          | 2243        | 2247         | rVB2     | 763            | 874           | 1.01%           | 0.159%        |
| 29        | 16.001      | 2325          | 2326        | 2333         | rVB5     | 693            | 1158          | 1.34%           | 0.211%        |
| 30        | 16.610      | 2423          | 2426        | 2428         | rBV3     | 791            | 870           | 1.01%           | 0.159%        |

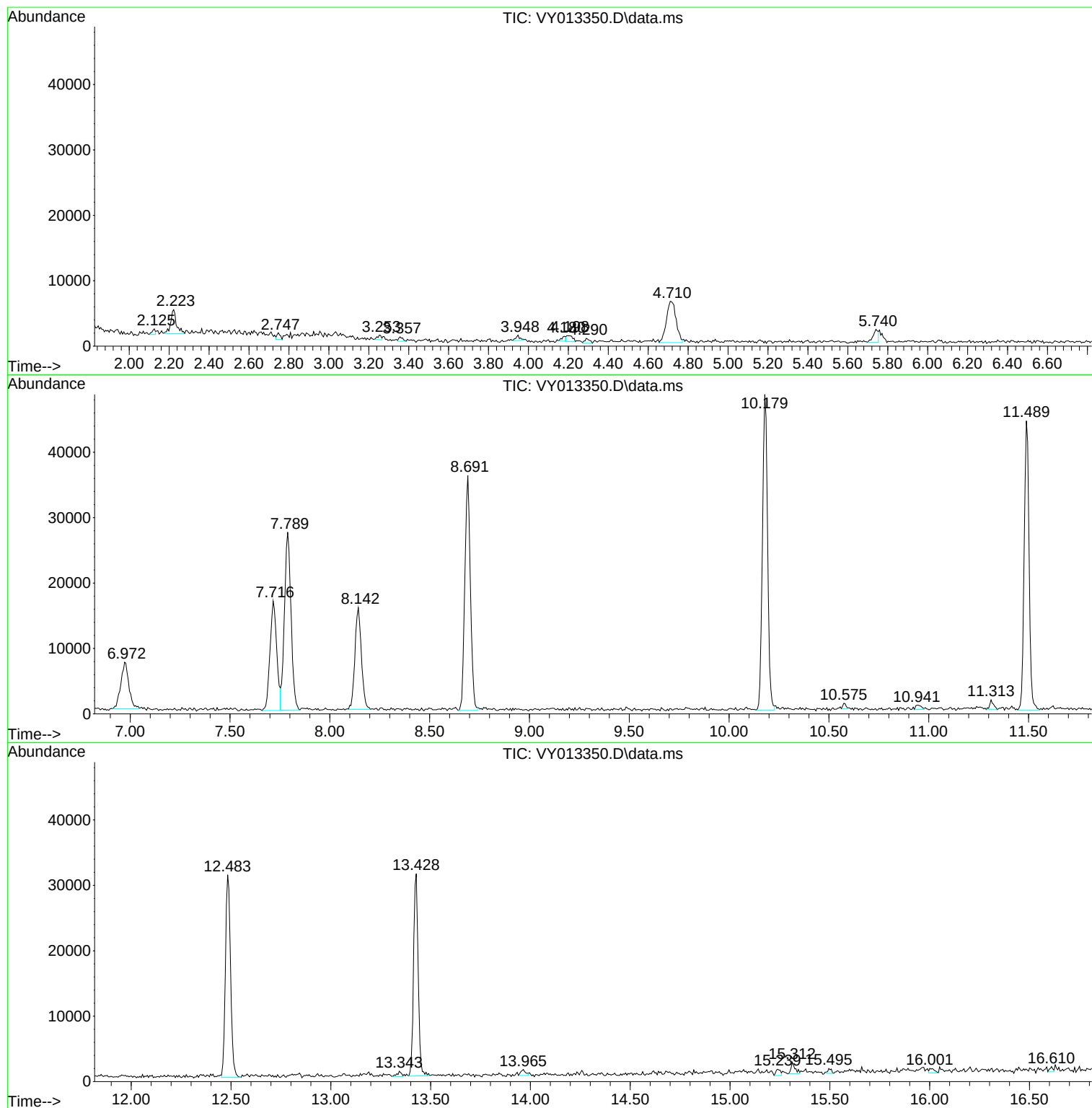
Sum of corrected areas: 548500

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041223S.M  
Quant Title : SW846 8260

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



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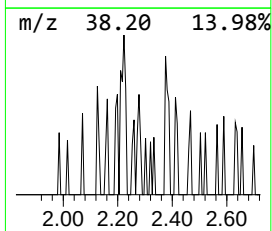
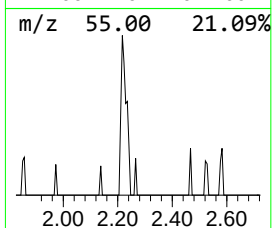
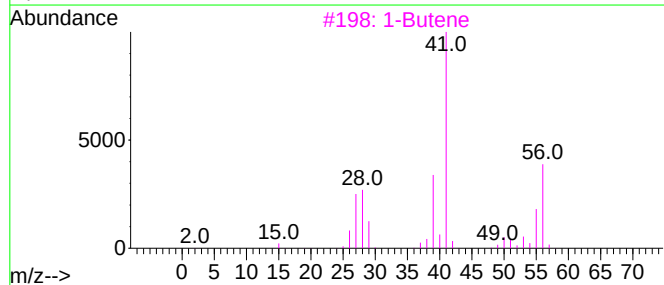
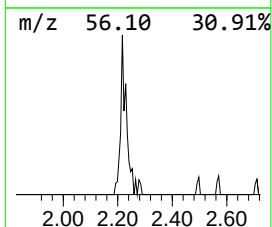
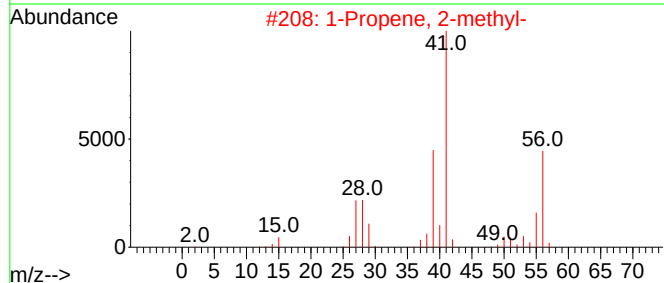
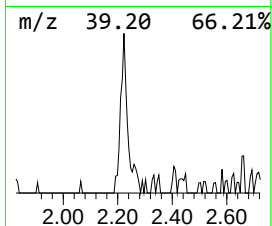
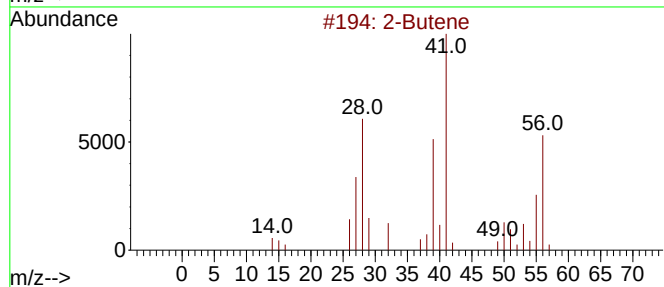
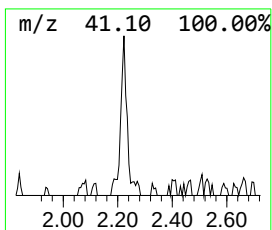
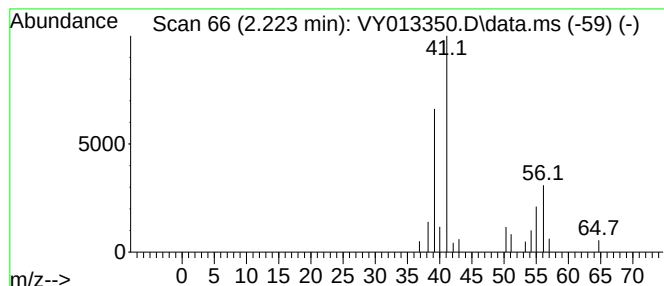
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Butene Concentration Rank 2

| R.T.  | EstConc   | Area | Relative to ISTD   | R.T.  |
|-------|-----------|------|--------------------|-------|
| 2.223 | 5.86 ug/l | 7245 | Pentafluorobenzene | 7.789 |

| Hit# | of                     | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|------------------------|---|--------------|----|---------|-------------|------|
| 1    | 2-Butene               |   |              | 56 | C4H8    | 000107-01-7 | 64   |
| 2    | 1-Propene, 2-methyl-   |   |              | 56 | C4H8    | 000115-11-7 | 45   |
| 3    | 1-Butene               |   |              | 56 | C4H8    | 000106-98-9 | 9    |
| 4    | 2-Butene, (Z)-         |   |              | 56 | C4H8    | 000590-18-1 | 9    |
| 5    | Acetonitrile, hydroxy- |   |              | 57 | C2H3NO  | 000107-16-4 | 5    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |       |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|-------|------|
|                  |       |         |       |          | #                     | RT    | Resp  | Conc |
| 2-Butene         | 2.223 | 5.9     | ug/l  | 7245     | 1                     | 7.789 | 61805 | 50.0 |