

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052225\  
 Data File : VY022393.D  
 Acq On : 22 May 2025 14:09  
 Operator : SY/MD  
 Sample : Q2074-05  
 Misc : 7.77g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-38

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\82Y051525S.M

Title : SW846 8260

Signal : TIC: VY022393.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         | 2.202       | 72            | 79          | 84           | rBV      | 25351          | 43636         | 3.15%           | 0.596%        |
| 2         | 2.501       | 121           | 128         | 137          | rBV8     | 10231          | 38251         | 2.76%           | 0.522%        |
| 3         | 2.848       | 178           | 185         | 197          | rVB      | 92539          | 201872        | 14.59%          | 2.756%        |
| 4         | 3.190       | 233           | 241         | 255          | rVB2     | 27656          | 67012         | 4.84%           | 0.915%        |
| 5         | 4.623       | 466           | 476         | 482          | rBV2     | 16687          | 55454         | 4.01%           | 0.757%        |
| 6         | 5.141       | 548           | 561         | 572          | rBV6     | 5245           | 20797         | 1.50%           | 0.284%        |
| 7         | 5.659       | 635           | 646         | 655          | rBV4     | 8185           | 25759         | 1.86%           | 0.352%        |
| 8         | 7.640       | 962           | 971         | 977          | rBV      | 181959         | 438213        | 31.66%          | 5.982%        |
| 9         | 7.713       | 977           | 983         | 994          | rVB      | 311318         | 722276        | 52.19%          | 9.860%        |
| 10        | 8.073       | 1033          | 1042        | 1054         | rBV      | 170766         | 385527        | 27.86%          | 5.263%        |
| 11        | 8.256       | 1059          | 1072        | 1081         | rVB2     | 9208           | 28651         | 2.07%           | 0.391%        |
| 12        | 8.622       | 1121          | 1132        | 1147         | rBV      | 512925         | 1006449       | 72.72%          | 13.739%       |
| 13        | 10.115      | 1369          | 1377        | 1384         | rBV      | 807085         | 1383987       | 100.00%         | 18.893%       |
| 14        | 10.176      | 1384          | 1387        | 1400         | rVB      | 25098          | 42995         | 3.11%           | 0.587%        |
| 15        | 11.420      | 1584          | 1591        | 1602         | rBV      | 703210         | 1124020       | 81.22%          | 15.344%       |
| 16        | 11.627      | 1619          | 1625        | 1635         | rVB3     | 10951          | 20377         | 1.47%           | 0.278%        |
| 17        | 12.414      | 1746          | 1754        | 1763         | rBV      | 469759         | 766591        | 55.39%          | 10.465%       |
| 18        | 13.353      | 1898          | 1908        | 1916         | rBV      | 544727         | 834934        | 60.33%          | 11.398%       |
| 19        | 13.889      | 1990          | 1996        | 2004         | rVB2     | 74030          | 118583        | 8.57%           | 1.619%        |

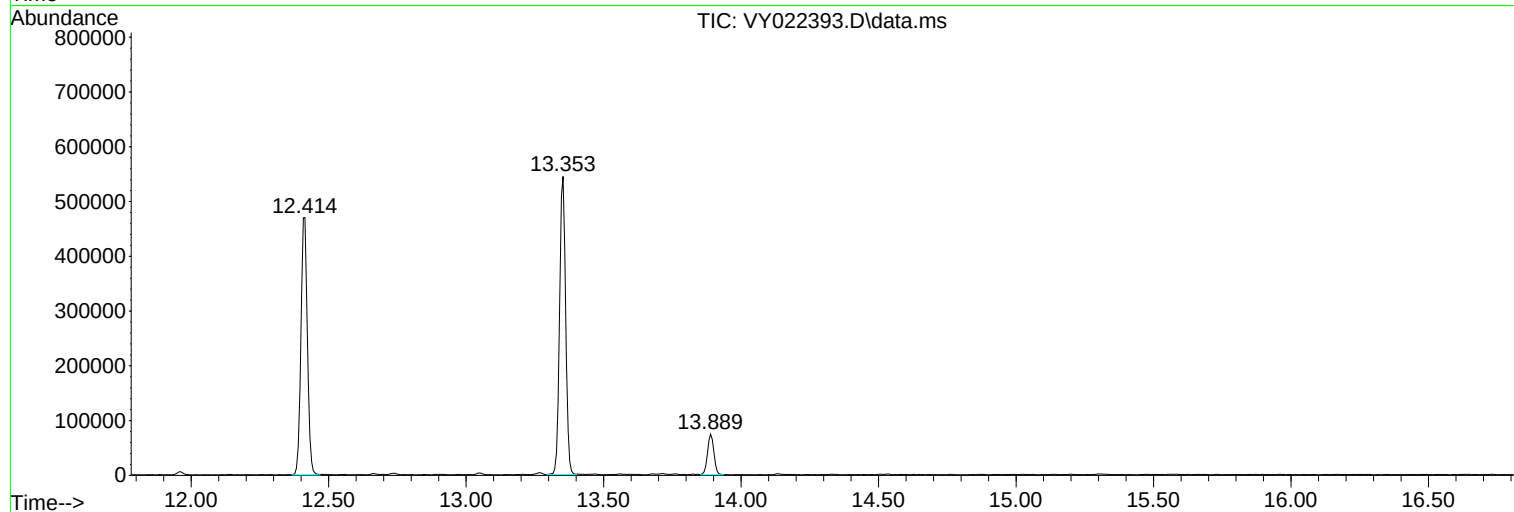
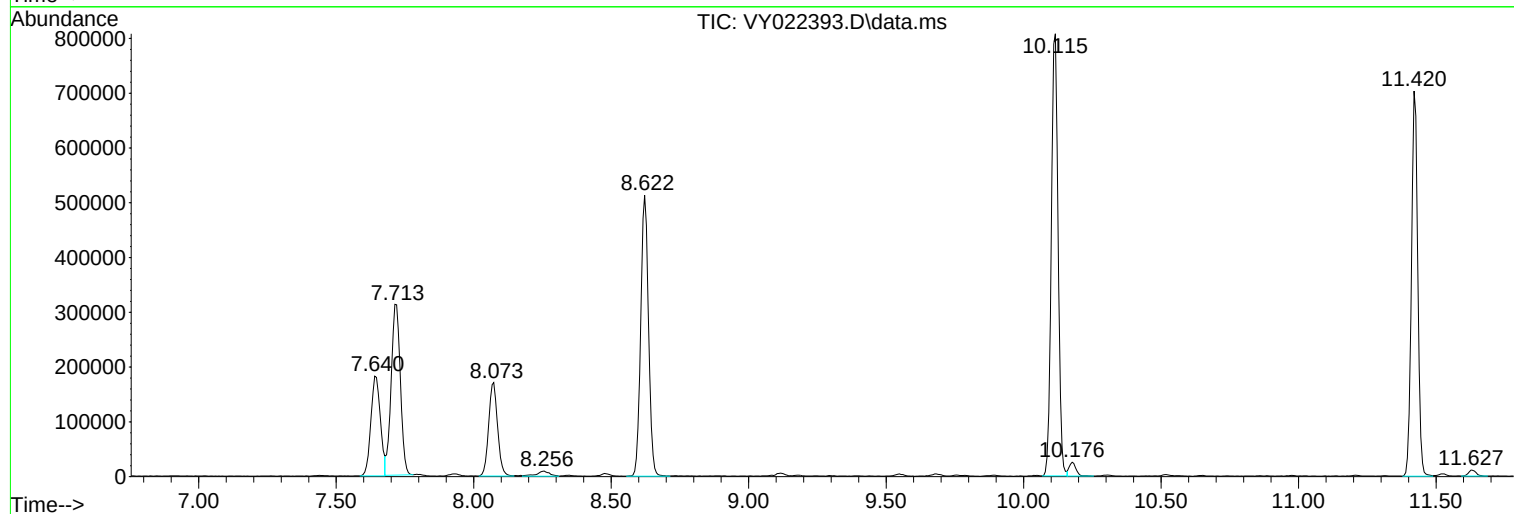
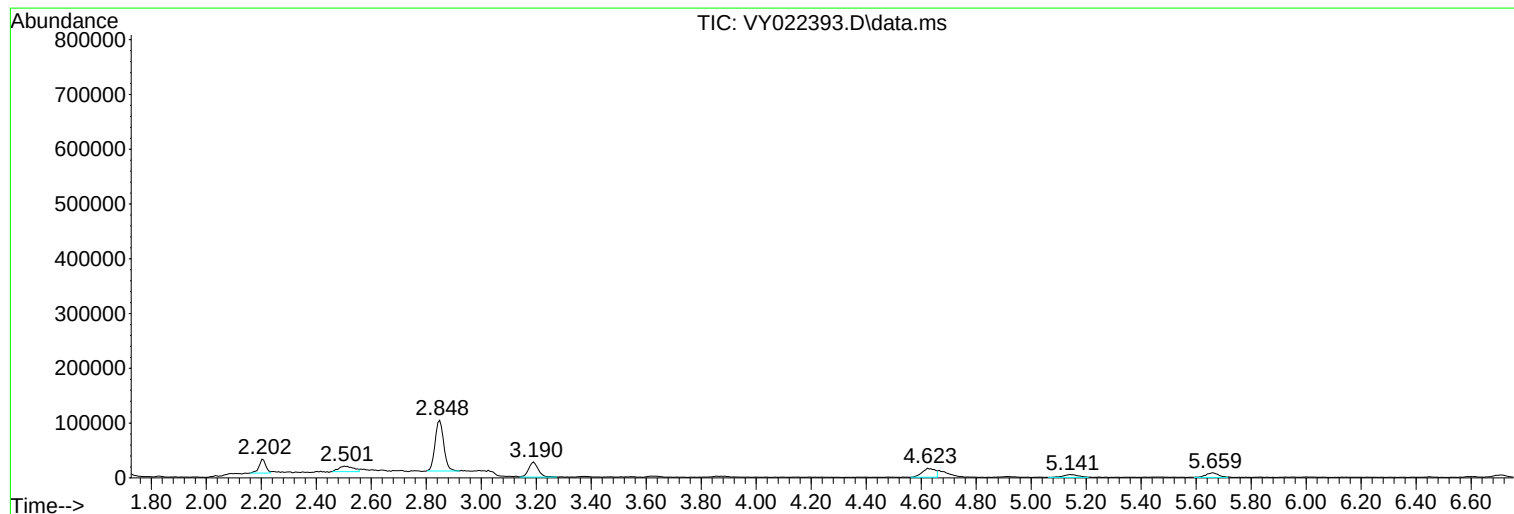
Sum of corrected areas: 7325384

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-38

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
Quant Title : SW846 8260

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



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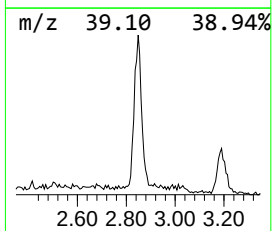
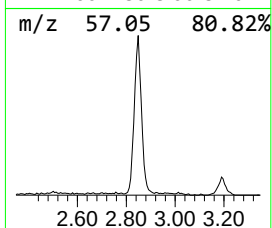
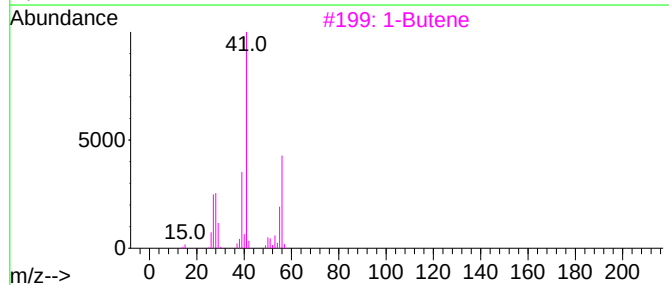
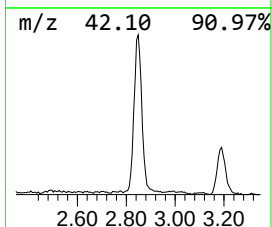
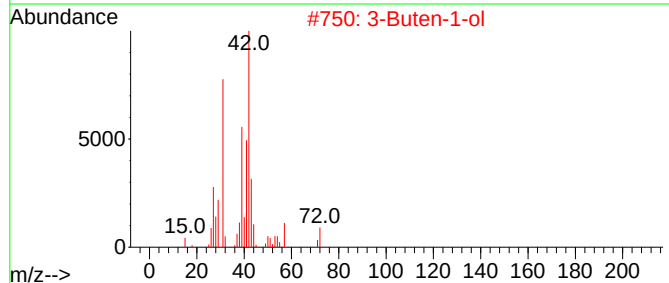
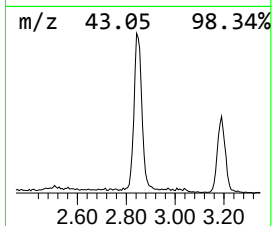
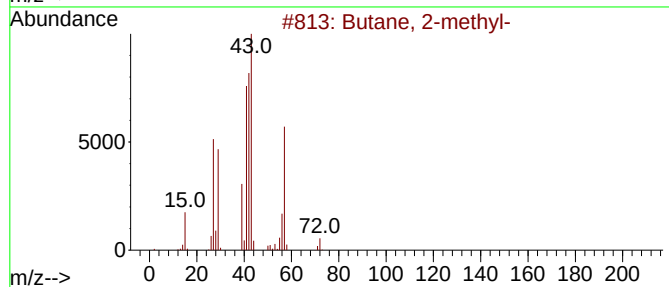
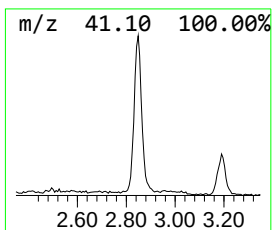
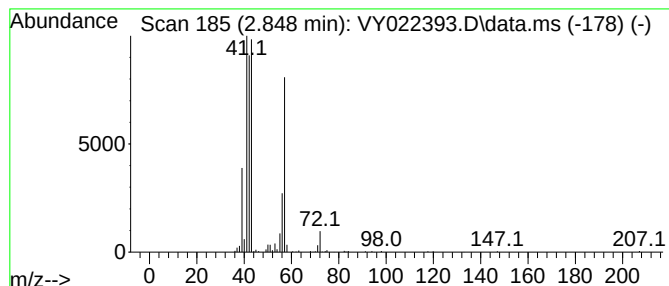
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2-methyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.848 | 13.97 ug/l | 201872 | Pentafluorobenzene | 7.720 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methyl-      | 72  | C5H12    | 000078-78-4 | 64   |
| 2    |    |   | 3-Buten-1-ol           | 72  | C4H8O    | 000627-27-0 | 28   |
| 3    |    |   | 1-Butene               | 56  | C4H8     | 000106-98-9 | 27   |
| 4    |    |   | 1-Propene, 2-methyl-   | 56  | C4H8     | 000115-11-7 | 22   |
| 5    |    |   | 1,1-Diisobutoxy-butane | 202 | C12H26O2 | 013002-16-9 | 17   |



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| TIC Top Hit name  | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|-------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                   |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methyl- | 2.848 | 14.0    | ug/l  | 201872   | 1                     | 7.720 | 722276 | 50.0 |