

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091823\  
 Data File : VY015618.D  
 Acq On : 18 Sep 2023 16:35  
 Operator : SY/MD  
 Sample : 04419-18  
 Misc : 6.69g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-08(37-40)

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\82Y082923S.M  
 Title : SW846 8260

Signal : TIC: VY015618.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         | 1.863       | 3             | 7           | 21           | rVB3     | 75393          | 109340        | 14.53%          | 2.041%        |
| 2         | 2.113       | 45            | 48          | 55           | rVB      | 7266           | 10234         | 1.36%           | 0.191%        |
| 3         | 2.223       | 59            | 66          | 75           | rBV2     | 40013          | 94270         | 12.52%          | 1.760%        |
| 4         | 2.387       | 87            | 93          | 98           | rVV      | 10775          | 18307         | 2.43%           | 0.342%        |
| 5         | 2.454       | 98            | 104         | 115          | rVB5     | 6527           | 14105         | 1.87%           | 0.263%        |
| 6         | 2.899       | 170           | 177         | 185          | rBV3     | 4512           | 9895          | 1.31%           | 0.185%        |
| 7         | 3.162       | 213           | 220         | 226          | rBV      | 8215           | 16284         | 2.16%           | 0.304%        |
| 8         | 3.253       | 228           | 235         | 247          | rVB4     | 7442           | 25181         | 3.35%           | 0.470%        |
| 9         | 3.832       | 321           | 330         | 341          | rBV2     | 4064           | 11094         | 1.47%           | 0.207%        |
| 10        | 3.966       | 341           | 352         | 360          | rBV2     | 4139           | 13083         | 1.74%           | 0.244%        |
| 11        | 4.192       | 378           | 389         | 403          | rBV2     | 41723          | 115887        | 15.40%          | 2.163%        |
| 12        | 4.716       | 464           | 475         | 490          | rBV      | 16446          | 53650         | 7.13%           | 1.001%        |
| 13        | 5.588       | 605           | 618         | 629          | rVB6     | 3961           | 14579         | 1.94%           | 0.272%        |
| 14        | 5.753       | 634           | 645         | 653          | rVV4     | 3556           | 10918         | 1.45%           | 0.204%        |
| 15        | 6.710       | 792           | 802         | 812          | rBV3     | 4105           | 12549         | 1.67%           | 0.234%        |
| 16        | 6.996       | 837           | 849         | 858          | rBV4     | 3290           | 9396          | 1.25%           | 0.175%        |
| 17        | 7.716       | 955           | 967         | 973          | rBV2     | 109428         | 262161        | 34.83%          | 4.894%        |
| 18        | 7.789       | 973           | 979         | 996          | rVB      | 187168         | 421034        | 55.94%          | 7.859%        |
| 19        | 8.142       | 1029          | 1037        | 1048         | rBV      | 122725         | 272316        | 36.18%          | 5.083%        |
| 20        | 8.691       | 1118          | 1127        | 1136         | rBV      | 284829         | 558029        | 74.14%          | 10.417%       |
| 21        | 10.179      | 1363          | 1371        | 1377         | rBV      | 439972         | 752704        | 100.00%         | 14.051%       |
| 22        | 10.246      | 1377          | 1382        | 1395         | rVB      | 246843         | 426585        | 56.67%          | 7.963%        |
| 23        | 10.935      | 1487          | 1495        | 1503         | rBV2     | 15718          | 26335         | 3.50%           | 0.492%        |
| 24        | 11.489      | 1579          | 1586        | 1597         | rBV      | 415389         | 670054        | 89.02%          | 12.508%       |
| 25        | 11.703      | 1617          | 1621        | 1632         | rVB5     | 3827           | 8498          | 1.13%           | 0.159%        |
| 26        | 12.209      | 1697          | 1704        | 1712         | rBV      | 40374          | 63736         | 8.47%           | 1.190%        |
| 27        | 12.483      | 1742          | 1749        | 1759         | rVB      | 335456         | 532173        | 70.70%          | 9.934%        |
| 28        | 12.959      | 1822          | 1827        | 1837         | rBV2     | 9337           | 18013         | 2.39%           | 0.336%        |
| 29        | 13.166      | 1856          | 1861        | 1868         | rVV      | 36439          | 53145         | 7.06%           | 0.992%        |
| 30        | 13.257      | 1869          | 1876        | 1884         | rVB8     | 3054           | 8834          | 1.17%           | 0.165%        |
| 31        | 13.422      | 1897          | 1903        | 1916         | rVB      | 413098         | 652601        | 86.70%          | 12.182%       |
| 32        | 13.526      | 1916          | 1920        | 1927         | rVB2     | 5354           | 7683          | 1.02%           | 0.143%        |
| 33        | 13.629      | 1932          | 1937        | 1941         | rVV      | 8293           | 14219         | 1.89%           | 0.265%        |
| 34        | 13.672      | 1941          | 1944        | 1950         | rVB3     | 11044          | 17606         | 2.34%           | 0.329%        |
| 35        | 13.965      | 1986          | 1992        | 1998         | rVB2     | 20014          | 32186         | 4.28%           | 0.601%        |
| 36        | 14.208      | 2026          | 2032        | 2037         | rBV4     | 5299           | 8337          | 1.11%           | 0.156%        |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-08(37-40)

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\82Y082923S.M  
Title : SW846 8260

|    |        |      |      |      |      |      |       |       |        |
|----|--------|------|------|------|------|------|-------|-------|--------|
| 37 | 14.580 | 2085 | 2093 | 2097 | rBV5 | 6157 | 12013 | 1.60% | 0.224% |
|----|--------|------|------|------|------|------|-------|-------|--------|

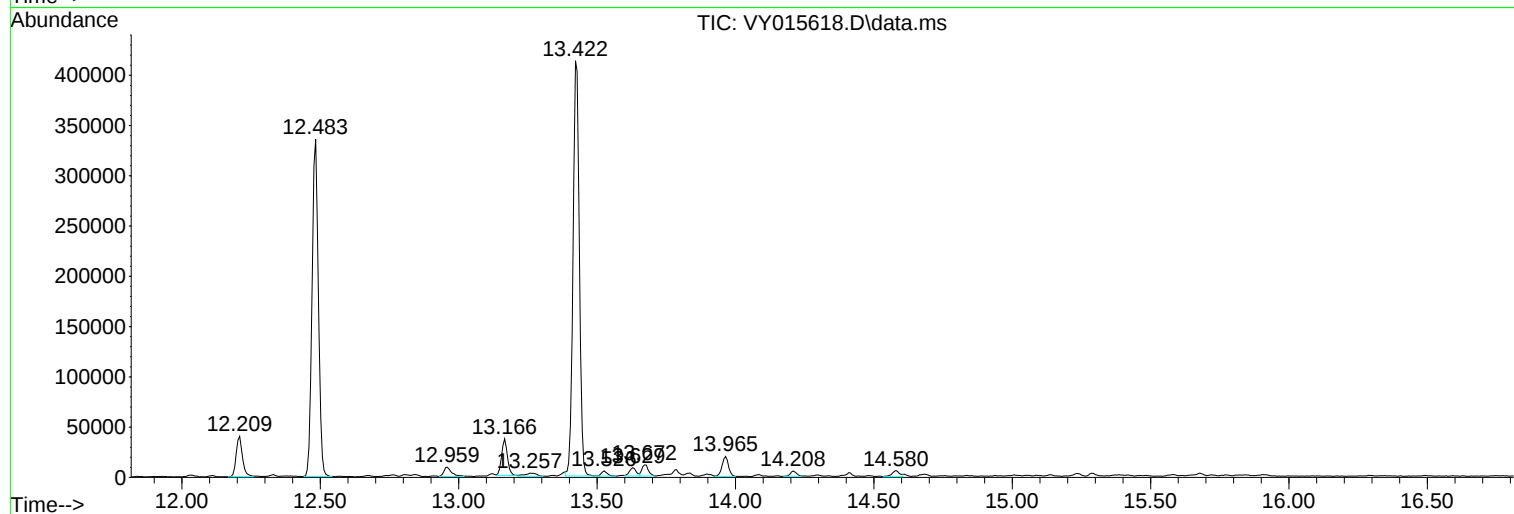
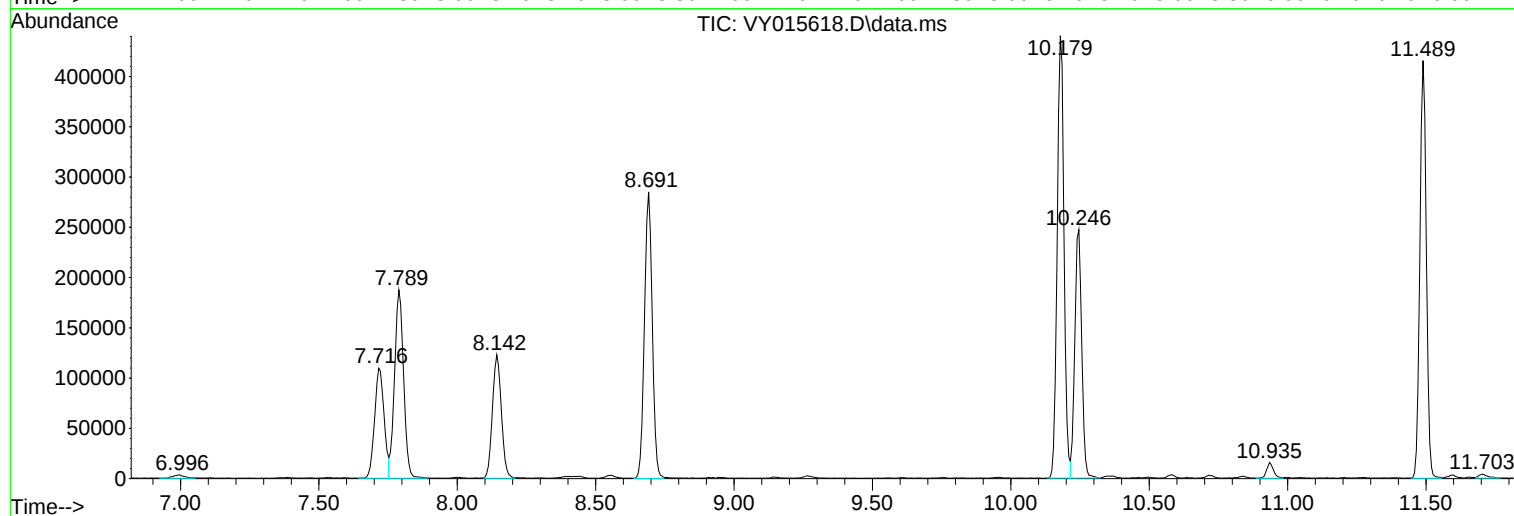
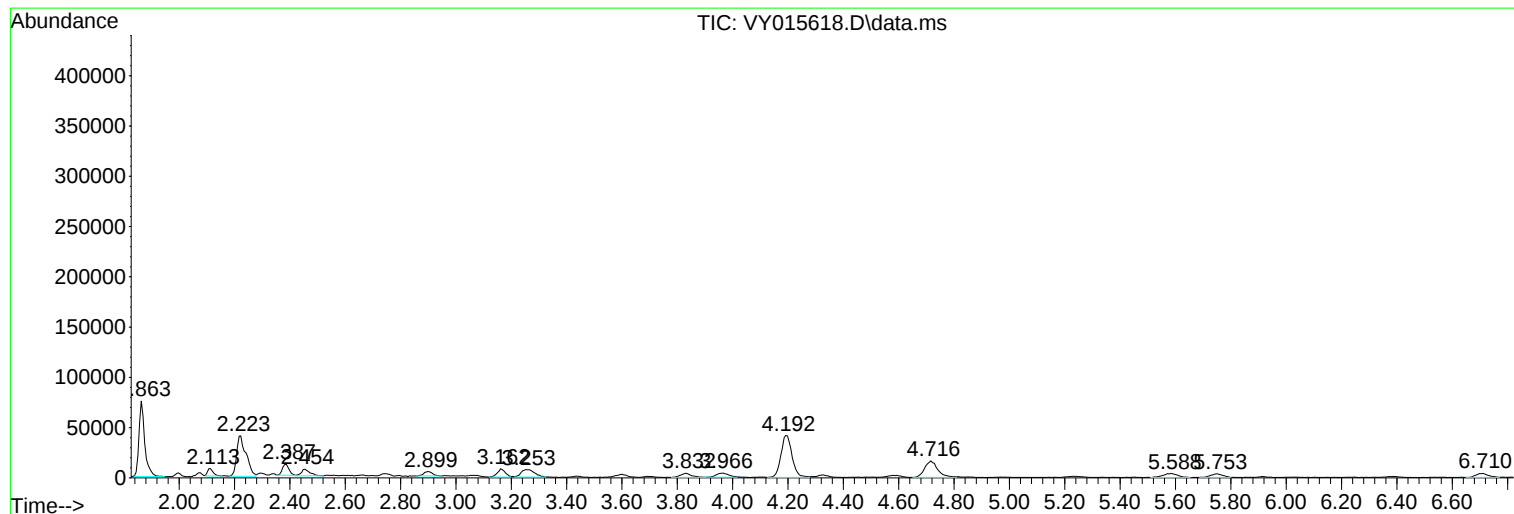
Sum of corrected areas: 5357034

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.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\82Y082923S.M  
Quant Title : SW846 8260

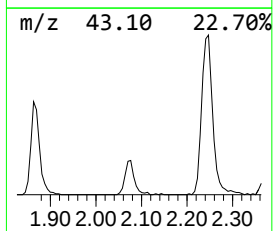
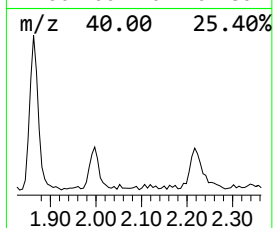
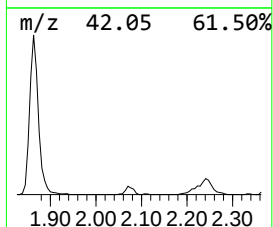
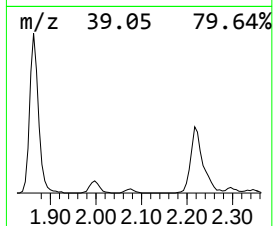
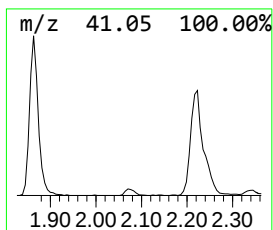
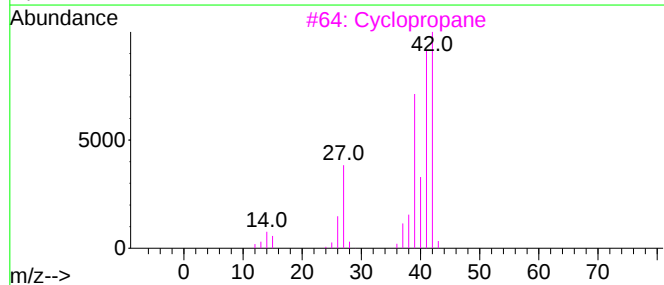
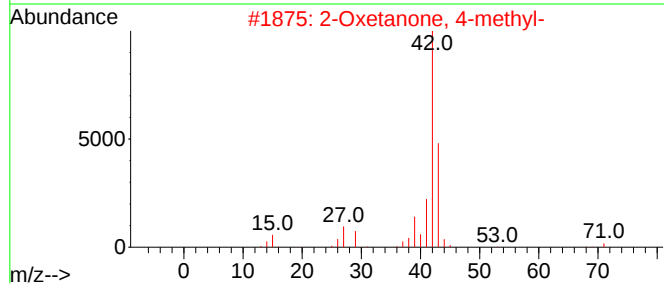
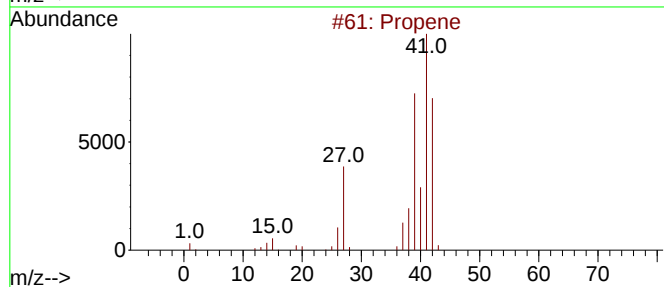
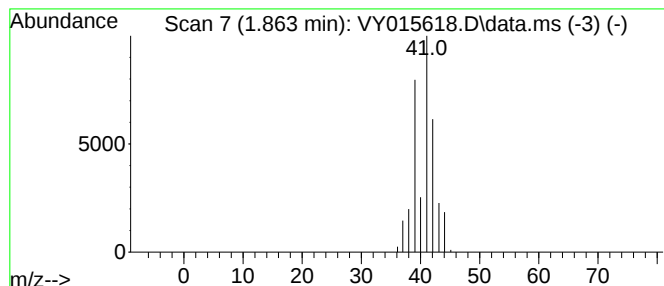
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propene Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 1.863 | 12.98 ug/l | 109340 | Pentafluorobenzene | 7.789 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Propene                | 42 | C3H6    | 000115-07-1 | 90   |
| 2    |    |   | 2-Oxetanone, 4-methyl- | 86 | C4H6O2  | 003068-88-0 | 9    |
| 3    |    |   | Cyclopropane           | 42 | C3H6    | 000075-19-4 | 9    |
| 4    |    |   | Cyclopropene           | 40 | C3H4    | 002781-85-3 | 9    |
| 5    |    |   | Acetonitrile           | 41 | C2H3N   | 000075-05-8 | 3    |



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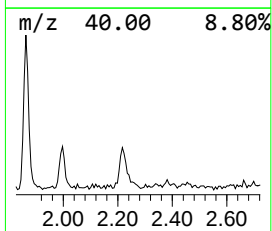
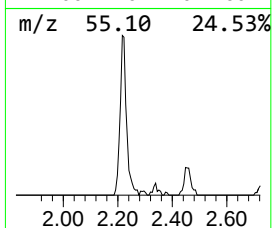
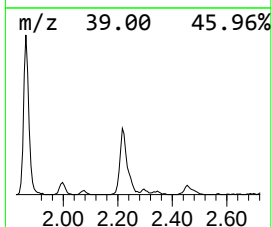
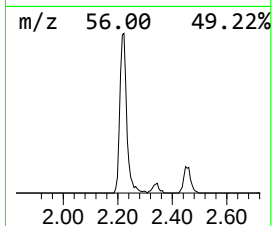
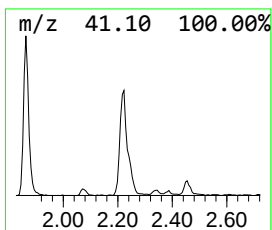
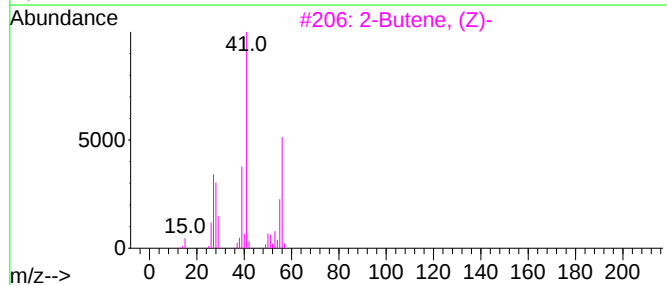
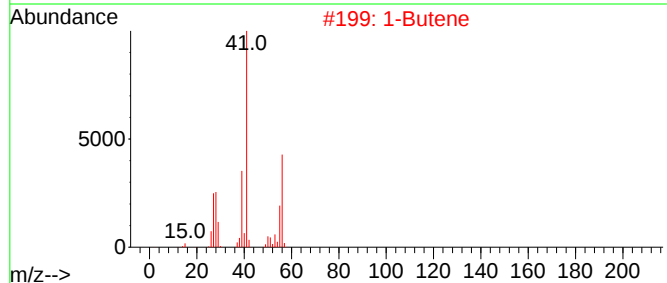
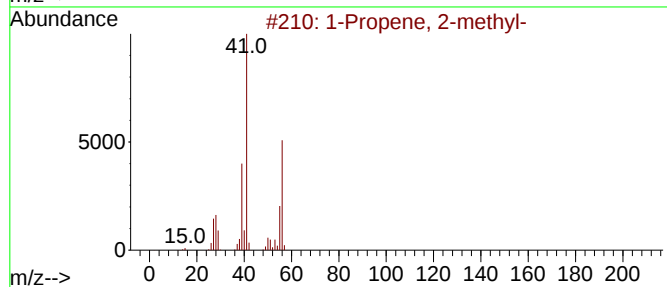
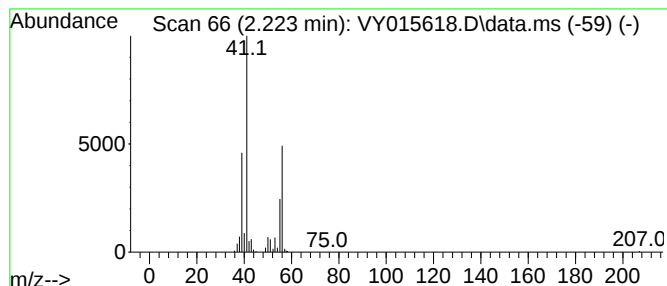
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD   | R.T.  |
|-------|------------|-------|--------------------|-------|
| 2.223 | 11.20 ug/l | 94270 | Pentafluorobenzene | 7.789 |

| Hit# | of 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|------|----------------------|----|---------|-------------|------|
| 1    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 90   |
| 2    |      | 1-Butene             | 56 | C4H8    | 000106-98-9 | 86   |
| 3    |      | 2-Butene, (Z)-       | 56 | C4H8    | 000590-18-1 | 80   |
| 4    |      | 2-Butene, (E)-       | 56 | C4H8    | 000624-64-6 | 72   |
| 5    |      | 2-Butene             | 56 | C4H8    | 000107-01-7 | 72   |



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

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propene            | 1.863 | 13.0    | ug/l  | 109340   | 1                     | 7.789 | 421034 | 50.0 |
| 1-Propene, 2-me... | 2.223 | 11.2    | ug/l  | 94270    | 1                     | 7.789 | 421034 | 50.0 |