

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032421\  
 Data File : VV020738.D  
 Acq On : 24 Mar 2021 15:41  
 Operator : SY/MD  
 Sample : M1781-15  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3G0

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\_V\Method\SOMVLM032321WMA.M

Title : VOC Analysis

Signal : TIC: VV020738.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         | 1.217       | 51            | 55          | 70           | rVB2     | 84347          | 79405         | 3.10%           | 0.415%        |
| 2         | 1.307       | 77            | 83          | 95           | rVB      | 325706         | 328311        | 12.84%          | 1.714%        |
| 3         | 1.568       | 158           | 164         | 177          | rVB      | 256343         | 287503        | 11.24%          | 1.501%        |
| 4         | 2.108       | 322           | 332         | 349          | rBV      | 570046         | 851250        | 33.28%          | 4.444%        |
| 5         | 2.590       | 480           | 482         | 483          | rBV2     | 562            | 202           | 0.01%           | 0.001%        |
| 6         | 2.600       | 483           | 485         | 488          | rVB2     | 763            | 394           | 0.02%           | 0.002%        |
| 7         | 2.642       | 496           | 498         | 500          | rBV      | 695            | 455           | 0.02%           | 0.002%        |
| 8         | 2.812       | 549           | 551         | 556          | rBV2     | 792            | 605           | 0.02%           | 0.003%        |
| 9         | 2.835       | 556           | 558         | 560          | rBV      | 682            | 306           | 0.01%           | 0.002%        |
| 10        | 2.857       | 563           | 565         | 567          | rVB      | 781            | 282           | 0.01%           | 0.001%        |
| 11        | 2.873       | 567           | 570         | 572          | rVB      | 717            | 362           | 0.01%           | 0.002%        |
| 12        | 2.889       | 572           | 575         | 577          | rBV2     | 901            | 646           | 0.03%           | 0.003%        |
| 13        | 2.957       | 586           | 596         | 597          | rBV7     | 2832           | 3524          | 0.14%           | 0.018%        |
| 14        | 3.047       | 611           | 624         | 636          | rBV4     | 16114          | 34525         | 1.35%           | 0.180%        |
| 15        | 3.156       | 657           | 658         | 661          | rVB2     | 880            | 335           | 0.01%           | 0.002%        |
| 16        | 3.172       | 661           | 663         | 665          | rBV2     | 615            | 249           | 0.01%           | 0.001%        |
| 17        | 3.198       | 669           | 671         | 672          | rBV2     | 566            | 210           | 0.01%           | 0.001%        |
| 18        | 3.282       | 693           | 697         | 702          | rBV6     | 1418           | 970           | 0.04%           | 0.005%        |
| 19        | 3.304       | 702           | 704         | 707          | rBV2     | 870            | 505           | 0.02%           | 0.003%        |
| 20        | 3.394       | 729           | 732         | 734          | rBV2     | 719            | 482           | 0.02%           | 0.003%        |
| 21        | 3.458       | 749           | 752         | 753          | rBV      | 575            | 294           | 0.01%           | 0.002%        |
| 22        | 3.545       | 778           | 779         | 780          | rBV      | 208            | 61            | 0.00%           | 0.000%        |
| 23        | 3.561       | 780           | 784         | 786          | rVV      | 647            | 401           | 0.02%           | 0.002%        |
| 24        | 3.609       | 795           | 799         | 801          | rBV2     | 673            | 444           | 0.02%           | 0.002%        |
| 25        | 3.626       | 801           | 804         | 807          | rVB3     | 1142           | 758           | 0.03%           | 0.004%        |
| 26        | 3.645       | 809           | 810         | 812          | rBV      | 424            | 227           | 0.01%           | 0.001%        |
| 27        | 3.892       | 876           | 887         | 922          | rBV      | 177213         | 522774        | 20.44%          | 2.729%        |
| 28        | 4.352       | 1016          | 1030        | 1058         | rVB      | 435772         | 1064708       | 41.63%          | 5.558%        |
| 29        | 4.719       | 1142          | 1144        | 1147         | rBV2     | 1200           | 821           | 0.03%           | 0.004%        |
| 30        | 4.777       | 1160          | 1162        | 1169         | rVB3     | 908            | 673           | 0.03%           | 0.004%        |
| 31        | 4.809       | 1169          | 1172        | 1174         | rBV2     | 700            | 367           | 0.01%           | 0.002%        |
| 32        | 4.950       | 1213          | 1216        | 1219         | rBV2     | 871            | 522           | 0.02%           | 0.003%        |
| 33        | 5.050       | 1227          | 1247        | 1276         | rBV2     | 986567         | 2557475       | 100.00%         | 13.350%       |
| 34        | 5.507       | 1388          | 1389        | 1390         | rBV      | 863            | 317           | 0.01%           | 0.002%        |
| 35        | 5.555       | 1402          | 1404        | 1409         | rVB4     | 1000           | 600           | 0.02%           | 0.003%        |
| 36        | 5.622       | 1411          | 1425        | 1458         | rBV      | 686557         | 1392510       | 54.45%          | 7.269%        |

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Integrator: RTE

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Filtering: 5

Sampling : 1

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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\_V\Method\SOMVLM032321WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 6.072  | 1553 | 1565 | 1592 | rBV  | 566657  | 1148415 | 44.90% | 5.995%  |
| 38 | 6.455  | 1682 | 1684 | 1686 | rBV3 | 563     | 220     | 0.01%  | 0.001%  |
| 39 | 6.523  | 1700 | 1705 | 1708 | rBV4 | 1251    | 1072    | 0.04%  | 0.006%  |
| 40 | 6.715  | 1762 | 1765 | 1768 | rBV5 | 1057    | 808     | 0.03%  | 0.004%  |
| 41 | 6.728  | 1768 | 1769 | 1772 | rVV3 | 590     | 253     | 0.01%  | 0.001%  |
| 42 | 6.783  | 1783 | 1786 | 1788 | rBV2 | 557     | 377     | 0.01%  | 0.002%  |
| 43 | 6.844  | 1801 | 1805 | 1807 | rBV4 | 928     | 631     | 0.02%  | 0.003%  |
| 44 | 6.899  | 1818 | 1822 | 1825 | rBV3 | 642     | 568     | 0.02%  | 0.003%  |
| 45 | 6.924  | 1828 | 1830 | 1831 | rBV  | 386     | 136     | 0.01%  | 0.001%  |
| 46 | 6.989  | 1839 | 1850 | 1870 | rBV  | 309568  | 568999  | 22.25% | 2.970%  |
| 47 | 7.320  | 1941 | 1953 | 1978 | rBV  | 1149313 | 1967181 | 76.92% | 10.269% |
| 48 | 7.625  | 2039 | 2048 | 2071 | rBV  | 230211  | 396837  | 15.52% | 2.072%  |
| 49 | 7.908  | 2134 | 2136 | 2137 | rBV  | 681     | 277     | 0.01%  | 0.001%  |
| 50 | 8.092  | 2183 | 2193 | 2232 | rBV  | 690361  | 1218100 | 47.63% | 6.359%  |
| 51 | 8.564  | 2338 | 2340 | 2342 | rVB  | 1225    | 515     | 0.02%  | 0.003%  |
| 52 | 8.577  | 2342 | 2344 | 2348 | rBV5 | 1318    | 983     | 0.04%  | 0.005%  |
| 53 | 8.641  | 2362 | 2364 | 2366 | rBV2 | 602     | 234     | 0.01%  | 0.001%  |
| 54 | 8.764  | 2400 | 2402 | 2403 | rBV  | 682     | 287     | 0.01%  | 0.001%  |
| 55 | 8.857  | 2418 | 2431 | 2458 | rBV  | 1053222 | 1730752 | 67.67% | 9.035%  |
| 56 | 9.223  | 2541 | 2545 | 2550 | rVB4 | 1832    | 1524    | 0.06%  | 0.008%  |
| 57 | 9.506  | 2631 | 2633 | 2635 | rBV2 | 740     | 434     | 0.02%  | 0.002%  |
| 58 | 9.529  | 2638 | 2640 | 2642 | rBV3 | 803     | 320     | 0.01%  | 0.002%  |
| 59 | 9.693  | 2689 | 2691 | 2692 | rBV2 | 466     | 203     | 0.01%  | 0.001%  |
| 60 | 9.709  | 2692 | 2696 | 2699 | rVV2 | 1078    | 834     | 0.03%  | 0.004%  |
| 61 | 9.793  | 2720 | 2722 | 2725 | rBV2 | 579     | 365     | 0.01%  | 0.002%  |
| 62 | 9.863  | 2742 | 2744 | 2745 | rBV  | 607     | 270     | 0.01%  | 0.001%  |
| 63 | 9.886  | 2749 | 2751 | 2755 | rBV2 | 775     | 567     | 0.02%  | 0.003%  |
| 64 | 9.998  | 2782 | 2786 | 2788 | rBV3 | 1185    | 981     | 0.04%  | 0.005%  |
| 65 | 10.043 | 2795 | 2800 | 2805 | rVB2 | 617     | 670     | 0.03%  | 0.003%  |
| 66 | 10.133 | 2825 | 2828 | 2829 | rBV3 | 894     | 496     | 0.02%  | 0.003%  |
| 67 | 10.220 | 2843 | 2855 | 2880 | rBV  | 837755  | 1308403 | 51.16% | 6.830%  |
| 68 | 10.387 | 2901 | 2907 | 2909 | rBV5 | 2445    | 2592    | 0.10%  | 0.014%  |
| 69 | 10.500 | 2939 | 2942 | 2945 | rBV4 | 869     | 741     | 0.03%  | 0.004%  |
| 70 | 10.702 | 3003 | 3005 | 3007 | rBV2 | 733     | 413     | 0.02%  | 0.002%  |
| 71 | 11.255 | 3164 | 3177 | 3201 | rBV  | 1086999 | 1690176 | 66.09% | 8.823%  |
| 72 | 11.510 | 3254 | 3256 | 3258 | rBV2 | 1186    | 667     | 0.03%  | 0.003%  |
| 73 | 11.632 | 3281 | 3294 | 3311 | rBV  | 1256517 | 1974456 | 77.20% | 10.307% |
| 74 | 11.786 | 3340 | 3342 | 3343 | rBV2 | 1381    | 567     | 0.02%  | 0.003%  |
| 75 | 12.416 | 3532 | 3538 | 3541 | rBV6 | 1388    | 1702    | 0.07%  | 0.009%  |

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Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 0 % 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\_V\Method\SOMVLM032321WMA.M  
Title : VOC Analysis

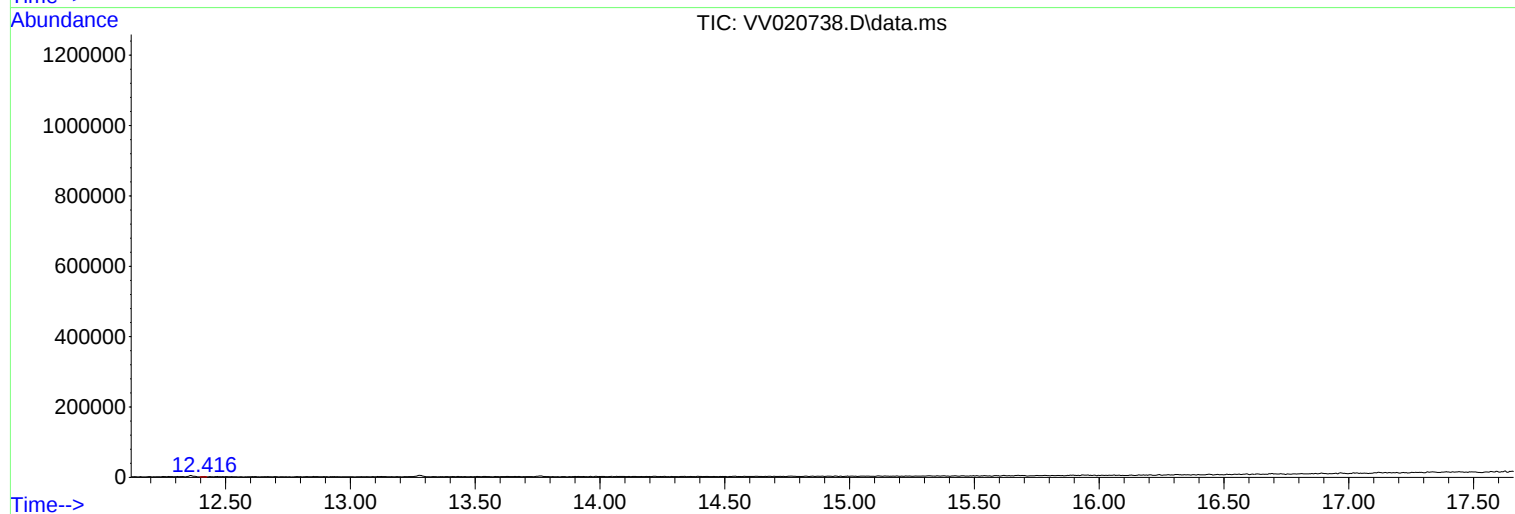
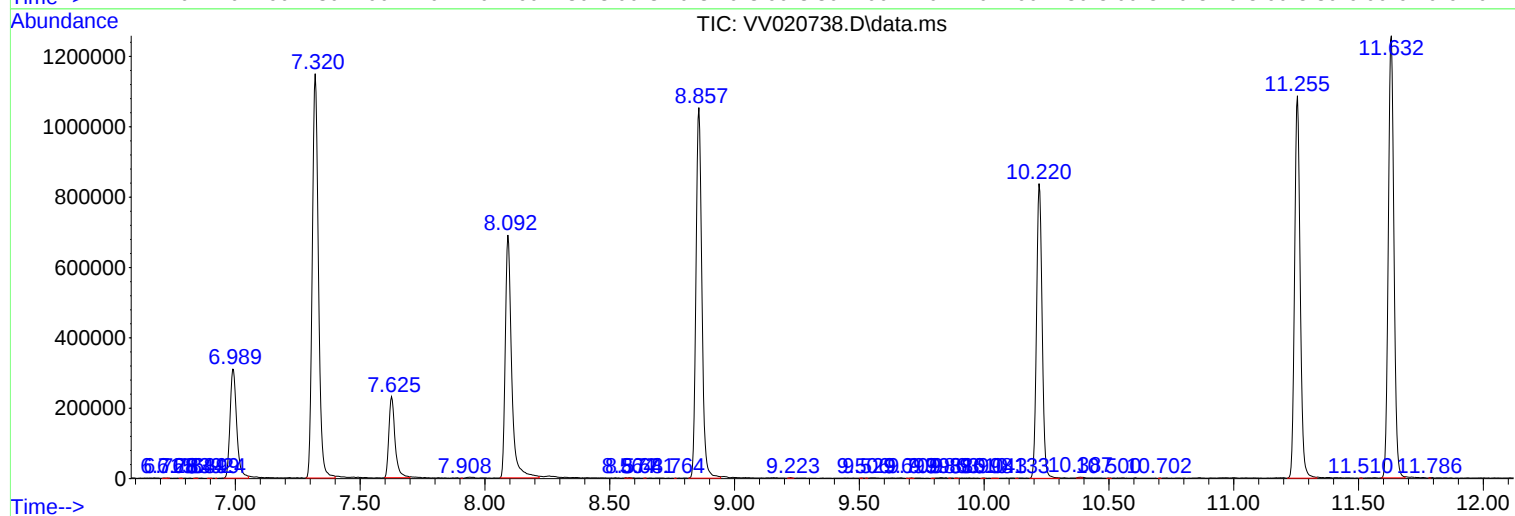
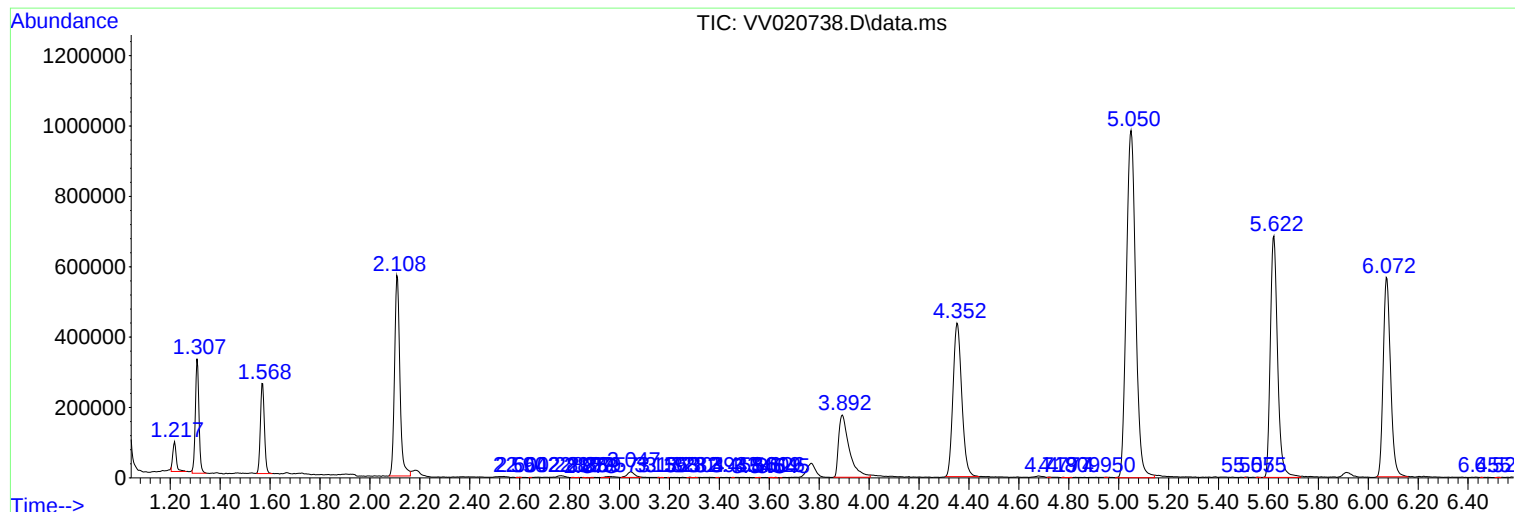
Sum of corrected areas: 19156499

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

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



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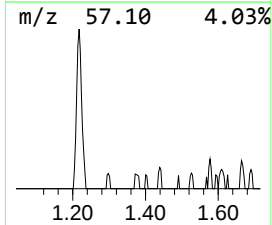
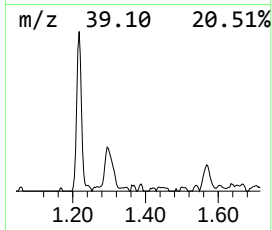
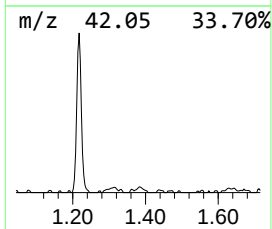
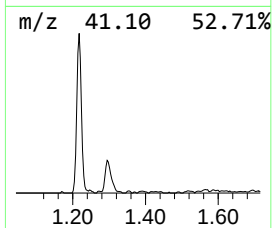
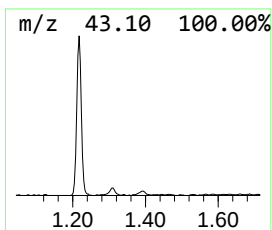
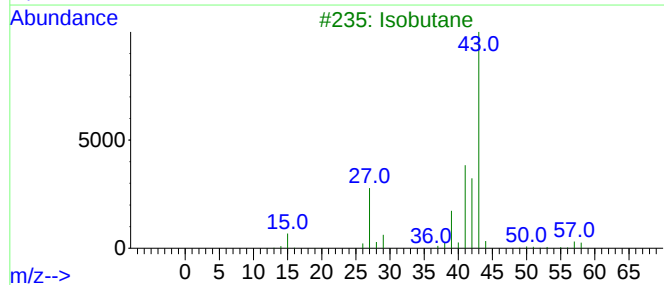
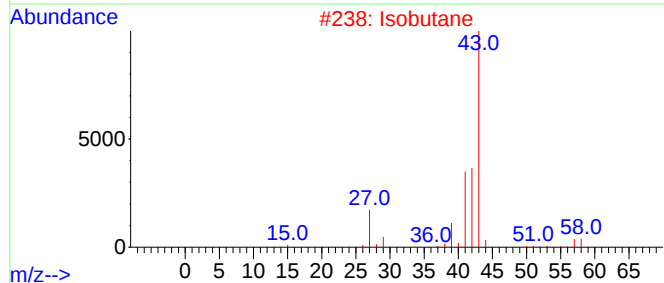
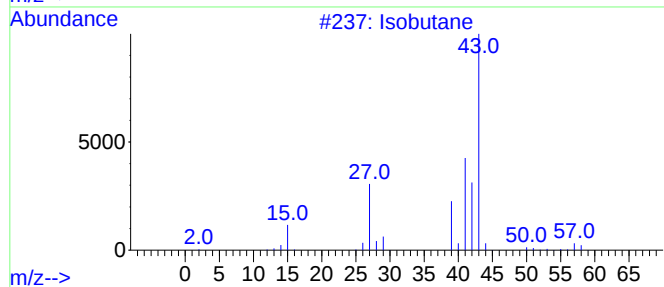
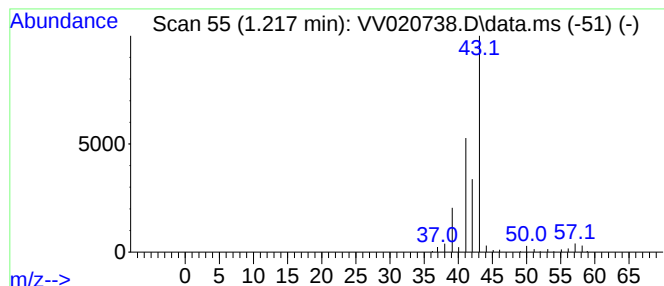
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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.217 | 2.85 ug/L | 79405 | 1,4-Difluorobenzene | 5.622 |

| Hit# | of 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|------|-------------------|----|---------|-------------|------|
| 1    |      | Isobutane         | 58 | C4H10   | 000075-28-5 | 50   |
| 2    |      | Isobutane         | 58 | C4H10   | 000075-28-5 | 42   |
| 3    |      | Isobutane         | 58 | C4H10   | 000075-28-5 | 42   |
| 4    |      | Isobutane         | 58 | C4H10   | 000075-28-5 | 42   |
| 5    |      | Propane, 2-nitro- | 89 | C3H7NO2 | 000079-46-9 | 9    |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: S... | 1.217 | 2.9     | ug/L  | 79405    | 1                     | 5.622 | 1392510 | 50.0 |