

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032621\  
 Data File : VV020754.D  
 Acq On : 26 Mar 2021 14:11  
 Operator : SY/MD  
 Sample : M1781-15  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 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: VV020754.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       | 50            | 55          | 69           | rVB      | 74838          | 70527         | 3.06%           | 0.381%        |
| 2         | 1.307       | 77            | 83          | 95           | rVB      | 271052         | 274306        | 11.90%          | 1.481%        |
| 3         | 1.571       | 158           | 165         | 175          | rBV      | 228876         | 253393        | 10.99%          | 1.368%        |
| 4         | 2.111       | 322           | 333         | 349          | rBV      | 498802         | 751911        | 32.61%          | 4.060%        |
| 5         | 2.661       | 502           | 504         | 507          | rVB2     | 904            | 500           | 0.02%           | 0.003%        |
| 6         | 2.680       | 507           | 510         | 511          | rBV2     | 1022           | 557           | 0.02%           | 0.003%        |
| 7         | 2.841       | 557           | 560         | 561          | rBV2     | 533            | 345           | 0.01%           | 0.002%        |
| 8         | 2.873       | 568           | 570         | 571          | rVB2     | 607            | 232           | 0.01%           | 0.001%        |
| 9         | 3.153       | 656           | 657         | 661          | rVB2     | 615            | 351           | 0.02%           | 0.002%        |
| 10        | 3.175       | 661           | 664         | 666          | rBV2     | 602            | 313           | 0.01%           | 0.002%        |
| 11        | 3.185       | 666           | 667         | 670          | rVV      | 395            | 189           | 0.01%           | 0.001%        |
| 12        | 3.220       | 676           | 678         | 681          | rBV      | 577            | 275           | 0.01%           | 0.001%        |
| 13        | 3.281       | 693           | 697         | 698          | rBV2     | 363            | 226           | 0.01%           | 0.001%        |
| 14        | 3.307       | 703           | 705         | 707          | rVB2     | 532            | 206           | 0.01%           | 0.001%        |
| 15        | 3.355       | 718           | 720         | 722          | rVB      | 391            | 129           | 0.01%           | 0.001%        |
| 16        | 3.375       | 724           | 726         | 728          | rBV2     | 417            | 177           | 0.01%           | 0.001%        |
| 17        | 3.423       | 739           | 741         | 743          | rBV      | 222            | 95            | 0.00%           | 0.001%        |
| 18        | 3.439       | 743           | 746         | 750          | rVB3     | 622            | 411           | 0.02%           | 0.002%        |
| 19        | 3.461       | 750           | 753         | 755          | rBV2     | 452            | 357           | 0.02%           | 0.002%        |
| 20        | 3.487       | 758           | 761         | 764          | rBV3     | 552            | 392           | 0.02%           | 0.002%        |
| 21        | 3.542       | 776           | 778         | 780          | rBV3     | 438            | 232           | 0.01%           | 0.001%        |
| 22        | 3.558       | 781           | 783         | 789          | rVV3     | 983            | 954           | 0.04%           | 0.005%        |
| 23        | 3.596       | 792           | 795         | 796          | rVV3     | 577            | 340           | 0.01%           | 0.002%        |
| 24        | 3.606       | 796           | 798         | 801          | rVV      | 652            | 294           | 0.01%           | 0.002%        |
| 25        | 3.629       | 801           | 805         | 809          | rVB2     | 399            | 385           | 0.02%           | 0.002%        |
| 26        | 3.648       | 809           | 811         | 814          | rBV      | 344            | 202           | 0.01%           | 0.001%        |
| 27        | 3.693       | 823           | 825         | 827          | rBV2     | 338            | 192           | 0.01%           | 0.001%        |
| 28        | 3.706       | 827           | 829         | 831          | rVV3     | 897            | 433           | 0.02%           | 0.002%        |
| 29        | 3.767       | 834           | 848         | 867          | rVB3     | 35222          | 89026         | 3.86%           | 0.481%        |
| 30        | 3.892       | 875           | 887         | 920          | rBV      | 158826         | 483976        | 20.99%          | 2.613%        |
| 31        | 4.352       | 1013          | 1030        | 1063         | rBV      | 402657         | 1000658       | 43.39%          | 5.403%        |
| 32        | 4.751       | 1152          | 1154        | 1156         | rBV2     | 758            | 255           | 0.01%           | 0.001%        |
| 33        | 4.773       | 1159          | 1161        | 1164         | rBV2     | 864            | 363           | 0.02%           | 0.002%        |
| 34        | 4.982       | 1223          | 1226        | 1229         | rBV2     | 762            | 532           | 0.02%           | 0.003%        |
| 35        | 5.050       | 1230          | 1247        | 1273         | rBV2     | 886364         | 2305991       | 100.00%         | 12.451%       |
| 36        | 5.362       | 1341          | 1344        | 1345         | rBV2     | 1054           | 630           | 0.03%           | 0.003%        |

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Peak separation: 5

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

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 5.448  | 1369 | 1371 | 1373 | rVB2 | 1429    | 550     | 0.02%  | 0.003%  |
| 38 | 5.468  | 1375 | 1377 | 1380 | rVB4 | 915     | 394     | 0.02%  | 0.002%  |
| 39 | 5.487  | 1380 | 1383 | 1385 | rBV2 | 1370    | 834     | 0.04%  | 0.005%  |
| 40 | 5.622  | 1412 | 1425 | 1452 | rBV  | 782903  | 1577543 | 68.41% | 8.517%  |
| 41 | 5.911  | 1505 | 1515 | 1529 | rBV3 | 20295   | 43075   | 1.87%  | 0.233%  |
| 42 | 6.075  | 1551 | 1566 | 1590 | rBV  | 516008  | 1041257 | 45.15% | 5.622%  |
| 43 | 6.452  | 1680 | 1683 | 1685 | rBV3 | 967     | 607     | 0.03%  | 0.003%  |
| 44 | 6.509  | 1699 | 1701 | 1703 | rBV3 | 720     | 297     | 0.01%  | 0.002%  |
| 45 | 6.542  | 1709 | 1711 | 1713 | rVB  | 695     | 261     | 0.01%  | 0.001%  |
| 46 | 6.558  | 1713 | 1716 | 1717 | rBV  | 716     | 390     | 0.02%  | 0.002%  |
| 47 | 6.789  | 1786 | 1788 | 1791 | rBV3 | 549     | 282     | 0.01%  | 0.002%  |
| 48 | 6.889  | 1816 | 1819 | 1822 | rBV3 | 622     | 365     | 0.02%  | 0.002%  |
| 49 | 6.927  | 1828 | 1831 | 1832 | rBV2 | 431     | 252     | 0.01%  | 0.001%  |
| 50 | 6.992  | 1838 | 1851 | 1877 | rBV2 | 276094  | 514251  | 22.30% | 2.777%  |
| 51 | 7.320  | 1941 | 1953 | 1980 | rBV  | 1011211 | 1760826 | 76.36% | 9.507%  |
| 52 | 7.625  | 2037 | 2048 | 2064 | rBV  | 200830  | 350343  | 15.19% | 1.892%  |
| 53 | 7.799  | 2100 | 2102 | 2105 | rBV  | 876     | 510     | 0.02%  | 0.003%  |
| 54 | 8.030  | 2172 | 2174 | 2176 | rBV2 | 979     | 533     | 0.02%  | 0.003%  |
| 55 | 8.046  | 2176 | 2179 | 2182 | rVB3 | 1219    | 544     | 0.02%  | 0.003%  |
| 56 | 8.091  | 2183 | 2193 | 2224 | rBV  | 595408  | 1098498 | 47.64% | 5.931%  |
| 57 | 8.615  | 2351 | 2356 | 2360 | rBV4 | 999     | 1150    | 0.05%  | 0.006%  |
| 58 | 8.696  | 2378 | 2381 | 2387 | rBV3 | 434     | 433     | 0.02%  | 0.002%  |
| 59 | 8.722  | 2387 | 2389 | 2391 | rBV  | 685     | 292     | 0.01%  | 0.002%  |
| 60 | 8.767  | 2402 | 2403 | 2404 | rBV  | 376     | 121     | 0.01%  | 0.001%  |
| 61 | 8.779  | 2405 | 2407 | 2410 | rVB4 | 1266    | 608     | 0.03%  | 0.003%  |
| 62 | 8.799  | 2410 | 2413 | 2417 | rBV3 | 898     | 626     | 0.03%  | 0.003%  |
| 63 | 8.857  | 2419 | 2431 | 2453 | rBV  | 1227782 | 1961084 | 85.04% | 10.588% |
| 64 | 9.204  | 2536 | 2539 | 2541 | rBV2 | 744     | 336     | 0.01%  | 0.002%  |
| 65 | 9.217  | 2541 | 2543 | 2549 | rVB5 | 1048    | 782     | 0.03%  | 0.004%  |
| 66 | 9.252  | 2549 | 2554 | 2557 | rBV3 | 1475    | 1210    | 0.05%  | 0.007%  |
| 67 | 9.468  | 2618 | 2621 | 2623 | rBV2 | 707     | 372     | 0.02%  | 0.002%  |
| 68 | 9.525  | 2636 | 2639 | 2642 | rBV3 | 699     | 541     | 0.02%  | 0.003%  |
| 69 | 9.606  | 2662 | 2664 | 2667 | rBV2 | 689     | 542     | 0.02%  | 0.003%  |
| 70 | 9.686  | 2687 | 2689 | 2693 | rVB  | 546     | 326     | 0.01%  | 0.002%  |
| 71 | 9.718  | 2693 | 2699 | 2702 | rBV3 | 954     | 935     | 0.04%  | 0.005%  |
| 72 | 9.734  | 2702 | 2704 | 2707 | rVV2 | 1074    | 738     | 0.03%  | 0.004%  |
| 73 | 9.750  | 2707 | 2709 | 2711 | rVV2 | 512     | 210     | 0.01%  | 0.001%  |
| 74 | 9.763  | 2711 | 2713 | 2716 | rVV2 | 536     | 296     | 0.01%  | 0.002%  |
| 75 | 10.033 | 2794 | 2797 | 2799 | rBV  | 713     | 433     | 0.02%  | 0.002%  |
| 76 | 10.075 | 2808 | 2810 | 2816 | rBV3 | 596     | 533     | 0.02%  | 0.003%  |

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Integration Parameters: LSCINT.P

Integrator: RTE

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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

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 77 | 10.123 | 2822 | 2825 | 2827 | rBV2 | 638     | 384     | 0.02%  | 0.002%  |
| 78 | 10.223 | 2843 | 2856 | 2874 | rBV  | 751282  | 1185484 | 51.41% | 6.401%  |
| 79 | 10.435 | 2919 | 2922 | 2926 | rBV4 | 697     | 563     | 0.02%  | 0.003%  |
| 80 | 10.500 | 2938 | 2942 | 2943 | rBV  | 738     | 538     | 0.02%  | 0.003%  |
| 81 | 11.255 | 3165 | 3177 | 3200 | rBV  | 1248974 | 1908261 | 82.75% | 10.303% |
| 82 | 11.500 | 3251 | 3253 | 3257 | rVB3 | 826     | 394     | 0.02%  | 0.002%  |
| 83 | 11.551 | 3266 | 3269 | 3271 | rBV2 | 802     | 486     | 0.02%  | 0.003%  |
| 84 | 11.631 | 3281 | 3294 | 3312 | rBV  | 1144851 | 1817386 | 78.81% | 9.812%  |
| 85 | 11.979 | 3400 | 3402 | 3408 | rBV5 | 1201    | 1021    | 0.04%  | 0.006%  |
| 86 | 12.622 | 3599 | 3602 | 3606 | rBV  | 769     | 649     | 0.03%  | 0.004%  |
| 87 | 12.828 | 3661 | 3666 | 3671 | rBV6 | 1373    | 1906    | 0.08%  | 0.010%  |
| 88 | 13.268 | 3799 | 3803 | 3804 | rBV3 | 1458    | 1034    | 0.04%  | 0.006%  |
| 89 | 14.143 | 4073 | 4075 | 4077 | rBV  | 990     | 588     | 0.03%  | 0.003%  |

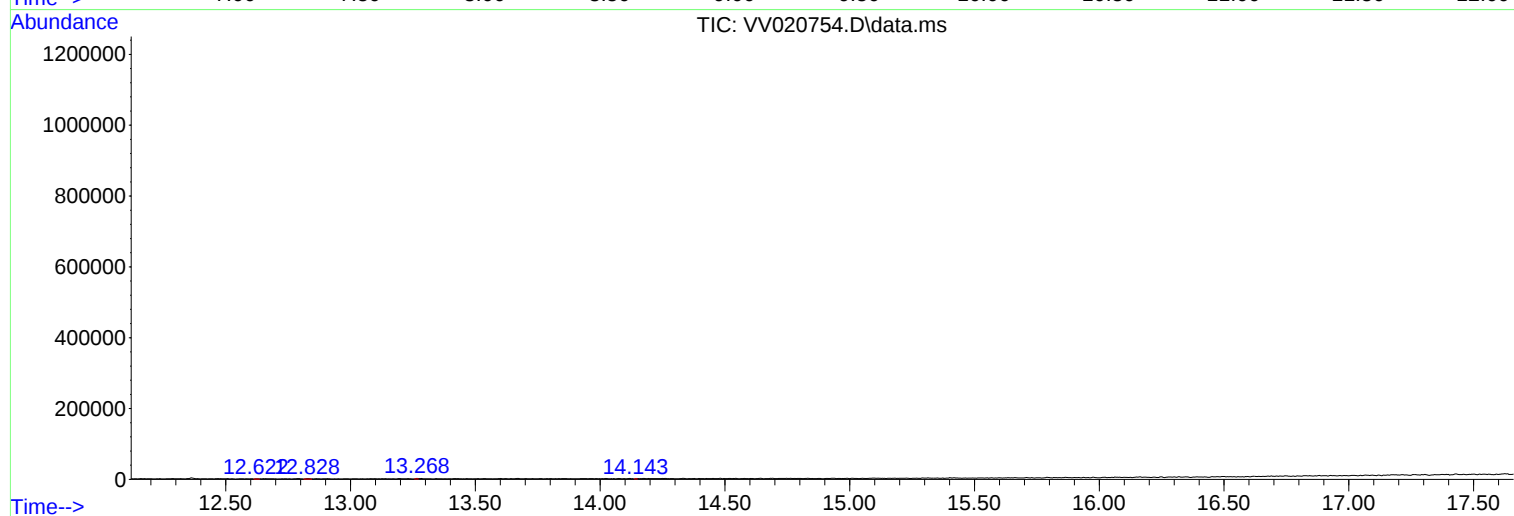
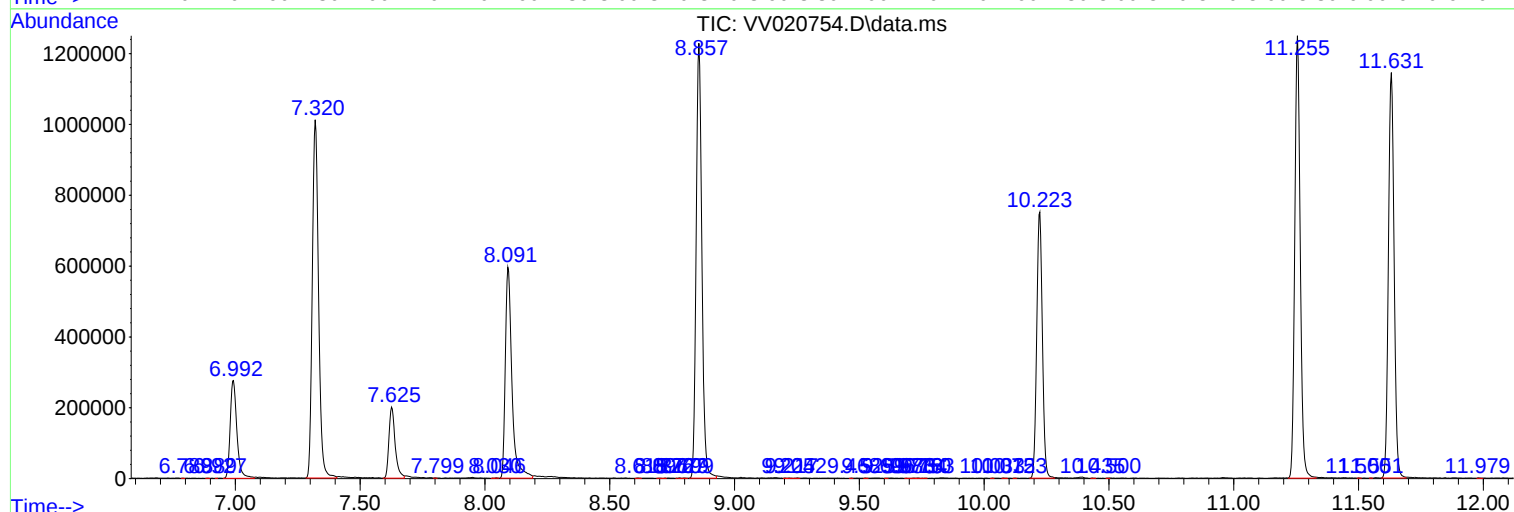
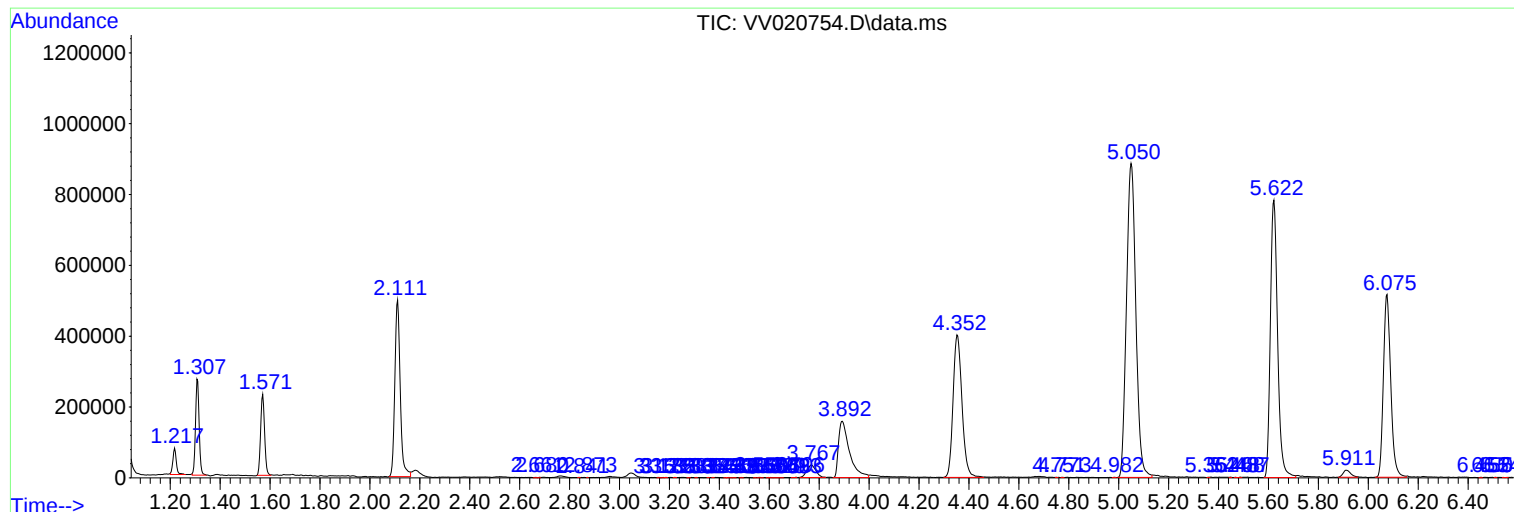
Sum of corrected areas: 18521229

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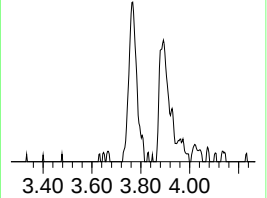
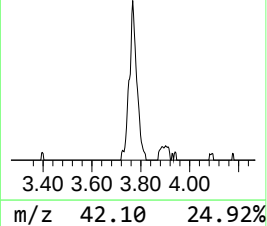
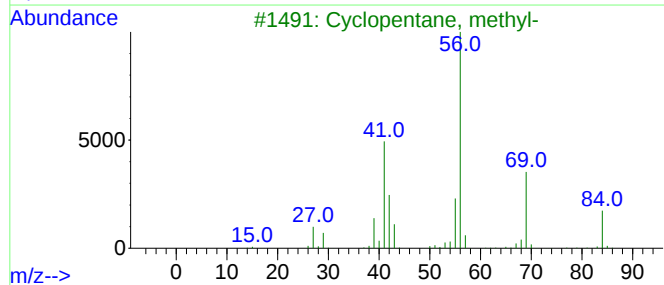
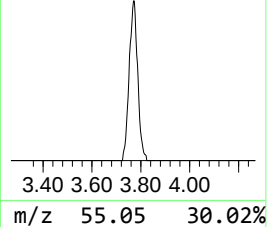
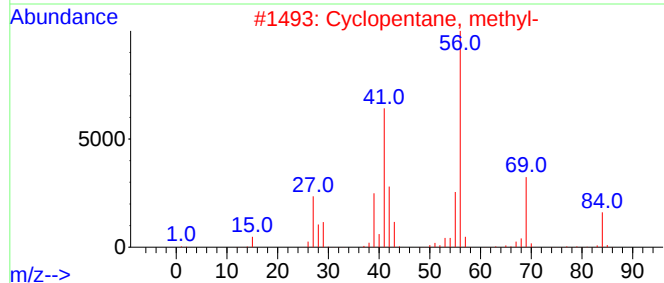
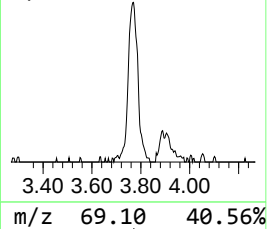
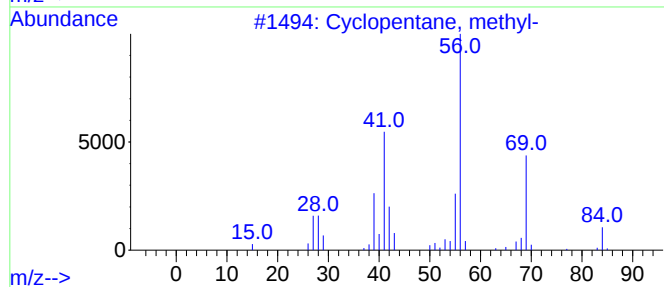
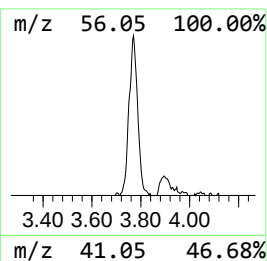
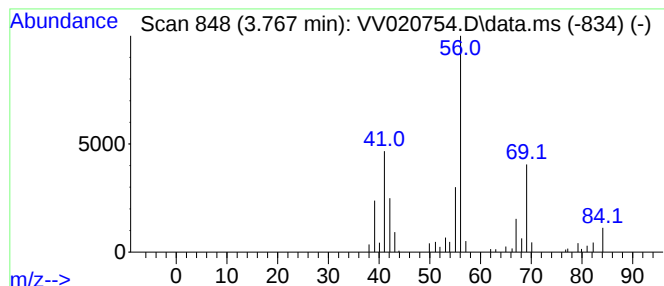
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic3.767 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.767 | 2.82 ug/L | 89026 | 1,4-Difluorobenzene | 5.622 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 87   |
| 2    |    |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 80   |
| 3    |    |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 72   |
| 4    |    |   | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 58   |
| 5    |    |   | 1-Pentene, 2-methyl-    | 84 | C6H12   | 000763-29-1 | 50   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: C... | 3.767 | 2.8     | ug/L  | 89026    | 1                     | 5.622 | 1577540 | 50.0 |