

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042424\  
 Data File : VV035397.D  
 Acq On : 24 Apr 2024 19:02  
 Operator : SY/MD  
 Sample : P2182-06  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MC0RC8

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\SFAMVLM032624WMA.M  
 Title : VOC Analysis

Signal : TIC: VV035397.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         | 1.185       | 42            | 45          | 48           | rBV      | 1352           | 1117          | 0.00%           | 0.000%        |
| 2         | 1.278       | 67            | 74          | 90           | rBV      | 234802         | 246578        | 0.11%           | 0.032%        |
| 3         | 1.532       | 145           | 153         | 167          | rVB      | 212143         | 248260        | 0.11%           | 0.032%        |
| 4         | 2.060       | 306           | 317         | 330          | rBV      | 387671         | 569820        | 0.24%           | 0.074%        |
| 5         | 2.240       | 363           | 373         | 382          | rBV      | 6795           | 11431         | 0.00%           | 0.001%        |
| 6         | 2.449       | 427           | 438         | 449          | rBV3     | 8236           | 17687         | 0.01%           | 0.002%        |
| 7         | 2.516       | 450           | 459         | 471          | rVB      | 16165          | 29108         | 0.01%           | 0.004%        |
| 8         | 2.654       | 497           | 502         | 505          | rBV      | 557            | 511           | 0.00%           | 0.000%        |
| 9         | 2.693       | 505           | 514         | 516          | rBV4     | 3251           | 3843          | 0.00%           | 0.000%        |
| 10        | 2.777       | 537           | 540         | 545          | rBV2     | 230            | 243           | 0.00%           | 0.000%        |
| 11        | 2.812       | 545           | 551         | 553          | rVV2     | 205            | 150           | 0.00%           | 0.000%        |
| 12        | 2.838       | 557           | 559         | 562          | rVB2     | 359            | 157           | 0.00%           | 0.000%        |
| 13        | 2.867       | 564           | 568         | 573          | rVB2     | 204            | 192           | 0.00%           | 0.000%        |
| 14        | 2.889       | 573           | 575         | 577          | rBV2     | 151            | 94            | 0.00%           | 0.000%        |
| 15        | 2.908       | 577           | 581         | 585          | rBV3     | 595            | 397           | 0.00%           | 0.000%        |
| 16        | 2.924       | 585           | 586         | 590          | rVB2     | 149            | 97            | 0.00%           | 0.000%        |
| 17        | 2.976       | 593           | 602         | 611          | rBV6     | 2204           | 4361          | 0.00%           | 0.001%        |
| 18        | 3.011       | 611           | 613         | 617          | rVB2     | 319            | 209           | 0.00%           | 0.000%        |
| 19        | 3.031       | 617           | 619         | 621          | rBV      | 230            | 126           | 0.00%           | 0.000%        |
| 20        | 3.060       | 626           | 628         | 631          | rVB2     | 143            | 84            | 0.00%           | 0.000%        |
| 21        | 3.076       | 631           | 633         | 636          | rBV3     | 269            | 163           | 0.00%           | 0.000%        |
| 22        | 3.092       | 636           | 638         | 640          | rVB      | 206            | 78            | 0.00%           | 0.000%        |
| 23        | 3.117       | 643           | 646         | 649          | rVB      | 385            | 214           | 0.00%           | 0.000%        |
| 24        | 3.159       | 656           | 659         | 664          | rVB3     | 187            | 176           | 0.00%           | 0.000%        |
| 25        | 3.201       | 668           | 672         | 674          | rVB2     | 224            | 130           | 0.00%           | 0.000%        |
| 26        | 3.233       | 679           | 682         | 684          | rBV      | 180            | 103           | 0.00%           | 0.000%        |
| 27        | 3.291       | 697           | 700         | 704          | rBV2     | 223            | 159           | 0.00%           | 0.000%        |
| 28        | 3.310       | 704           | 706         | 709          | rBV      | 250            | 152           | 0.00%           | 0.000%        |
| 29        | 3.326       | 709           | 711         | 715          | rVB2     | 130            | 82            | 0.00%           | 0.000%        |
| 30        | 3.346       | 715           | 717         | 718          | rBV      | 266            | 122           | 0.00%           | 0.000%        |
| 31        | 3.375       | 723           | 726         | 728          | rBV      | 151            | 115           | 0.00%           | 0.000%        |
| 32        | 3.404       | 732           | 735         | 739          | rVB2     | 154            | 107           | 0.00%           | 0.000%        |
| 33        | 3.429       | 739           | 743         | 747          | rVB      | 223            | 189           | 0.00%           | 0.000%        |
| 34        | 3.461       | 750           | 753         | 755          | rBV2     | 196            | 140           | 0.00%           | 0.000%        |
| 35        | 3.532       | 770           | 775         | 777          | rBV2     | 89             | 89            | 0.00%           | 0.000%        |
| 36        | 3.670       | 801           | 818         | 840          | rBV2     | 67634          | 175177        | 0.08%           | 0.023%        |

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 Title : VOC Analysis

|    |        |      |      |      |      |          |           |         |         |
|----|--------|------|------|------|------|----------|-----------|---------|---------|
| 37 | 3.793  | 845  | 856  | 893  | rBV  | 119390   | 362201    | 0.16%   | 0.047%  |
| 38 | 4.249  | 981  | 998  | 1039 | rBV2 | 304825   | 924400    | 0.40%   | 0.120%  |
| 39 | 4.584  | 1086 | 1102 | 1122 | rBV3 | 28379    | 73247     | 0.03%   | 0.009%  |
| 40 | 4.735  | 1134 | 1149 | 1171 | rBV2 | 90090    | 223443    | 0.10%   | 0.029%  |
| 41 | 5.027  | 1203 | 1240 | 1297 | rBV2 | 58108012 | 162508958 | 69.63%  | 21.011% |
| 42 | 5.535  | 1387 | 1398 | 1434 | rVB  | 458328   | 972704    | 0.42%   | 0.126%  |
| 43 | 5.844  | 1485 | 1494 | 1508 | rVB  | 6291     | 14299     | 0.01%   | 0.002%  |
| 44 | 5.989  | 1526 | 1539 | 1571 | rBV  | 376804   | 850034    | 0.36%   | 0.110%  |
| 45 | 6.288  | 1623 | 1632 | 1644 | rBV9 | 2975     | 6203      | 0.00%   | 0.001%  |
| 46 | 6.346  | 1648 | 1650 | 1655 | rBV2 | 349      | 231       | 0.00%   | 0.000%  |
| 47 | 6.432  | 1675 | 1677 | 1684 | rVB3 | 481      | 406       | 0.00%   | 0.000%  |
| 48 | 6.465  | 1684 | 1687 | 1689 | rBV2 | 350      | 239       | 0.00%   | 0.000%  |
| 49 | 6.567  | 1716 | 1719 | 1721 | rBV3 | 301      | 183       | 0.00%   | 0.000%  |
| 50 | 6.577  | 1721 | 1722 | 1724 | rBV  | 252      | 105       | 0.00%   | 0.000%  |
| 51 | 6.719  | 1760 | 1766 | 1775 | rBV7 | 1603     | 2681      | 0.00%   | 0.000%  |
| 52 | 6.802  | 1789 | 1792 | 1799 | rVB4 | 550      | 476       | 0.00%   | 0.000%  |
| 53 | 6.911  | 1816 | 1826 | 1859 | rBV  | 189554   | 365414    | 0.16%   | 0.047%  |
| 54 | 7.243  | 1918 | 1929 | 1952 | rBV  | 753201   | 1319233   | 0.57%   | 0.171%  |
| 55 | 7.474  | 1999 | 2001 | 2002 | rBV3 | 473      | 243       | 0.00%   | 0.000%  |
| 56 | 7.555  | 2016 | 2026 | 2055 | rBV  | 134105   | 253723    | 0.11%   | 0.033%  |
| 57 | 7.764  | 2089 | 2091 | 2095 | rVB3 | 417      | 292       | 0.00%   | 0.000%  |
| 58 | 7.786  | 2095 | 2098 | 2099 | rBV2 | 622      | 301       | 0.00%   | 0.000%  |
| 59 | 7.818  | 2106 | 2108 | 2112 | rBV2 | 305      | 252       | 0.00%   | 0.000%  |
| 60 | 7.854  | 2115 | 2119 | 2120 | rBV2 | 473      | 318       | 0.00%   | 0.000%  |
| 61 | 7.915  | 2128 | 2138 | 2150 | rVB3 | 10864    | 19828     | 0.01%   | 0.003%  |
| 62 | 7.960  | 2150 | 2152 | 2156 | rVB3 | 302      | 150       | 0.00%   | 0.000%  |
| 63 | 7.976  | 2156 | 2157 | 2159 | rVB  | 428      | 106       | 0.00%   | 0.000%  |
| 64 | 7.995  | 2159 | 2163 | 2164 | rBV4 | 333      | 251       | 0.00%   | 0.000%  |
| 65 | 8.027  | 2164 | 2173 | 2222 | rBV  | 366088   | 829919    | 0.36%   | 0.107%  |
| 66 | 8.529  | 2327 | 2329 | 2333 | rVB3 | 341      | 190       | 0.00%   | 0.000%  |
| 67 | 8.567  | 2339 | 2341 | 2342 | rBV  | 278      | 121       | 0.00%   | 0.000%  |
| 68 | 8.622  | 2355 | 2358 | 2360 | rBV3 | 373      | 208       | 0.00%   | 0.000%  |
| 69 | 8.673  | 2371 | 2374 | 2377 | rBV  | 142      | 126       | 0.00%   | 0.000%  |
| 70 | 8.706  | 2380 | 2384 | 2385 | rBV3 | 243      | 160       | 0.00%   | 0.000%  |
| 71 | 8.728  | 2389 | 2391 | 2392 | rBV  | 225      | 80        | 0.00%   | 0.000%  |
| 72 | 8.738  | 2392 | 2394 | 2395 | rBV  | 285      | 89        | 0.00%   | 0.000%  |
| 73 | 8.744  | 2395 | 2396 | 2399 | rVB2 | 355      | 170       | 0.00%   | 0.000%  |
| 74 | 8.847  | 2399 | 2428 | 2487 | rBV5 | 70398876 | 233389202 | 100.00% | 30.176% |
| 75 | 10.107 | 2816 | 2820 | 2822 | rBV3 | 1439     | 1277      | 0.00%   | 0.000%  |
| 76 | 10.152 | 2822 | 2834 | 2858 | rVV  | 674767   | 1091207   | 0.47%   | 0.141%  |

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Integration Parameters: LSCINT.P

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Smoothing : OFF

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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\SFAMVLM032624WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |          |           |        |         |
|-----|--------|------|------|------|------|----------|-----------|--------|---------|
| 77  | 10.365 | 2892 | 2900 | 2914 | rVB2 | 22168    | 35675     | 0.02%  | 0.005%  |
| 78  | 10.487 | 2930 | 2938 | 2956 | rVB3 | 9675     | 17523     | 0.01%  | 0.002%  |
| 79  | 10.763 | 3021 | 3024 | 3027 | rBV3 | 441      | 302       | 0.00%  | 0.000%  |
| 80  | 10.824 | 3040 | 3043 | 3050 | rVB5 | 437      | 489       | 0.00%  | 0.000%  |
| 81  | 10.857 | 3050 | 3053 | 3054 | rBV2 | 635      | 348       | 0.00%  | 0.000%  |
| 82  | 10.869 | 3055 | 3057 | 3060 | rVV2 | 1088     | 737       | 0.00%  | 0.000%  |
| 83  | 10.889 | 3061 | 3063 | 3065 | rVV2 | 550      | 247       | 0.00%  | 0.000%  |
| 84  | 10.902 | 3065 | 3067 | 3070 | rVB2 | 476      | 227       | 0.00%  | 0.000%  |
| 85  | 11.046 | 3110 | 3112 | 3114 | rBV2 | 315      | 168       | 0.00%  | 0.000%  |
| 86  | 11.117 | 3121 | 3134 | 3148 | rBV  | 10579175 | 16767348  | 7.18%  | 2.168%  |
| 87  | 11.230 | 3148 | 3169 | 3190 | rVB5 | 70379008 | 175091754 | 75.02% | 22.638% |
| 88  | 11.599 | 3263 | 3284 | 3333 | rVB3 | 68043801 | 145894193 | 62.51% | 18.863% |
| 89  | 12.339 | 3504 | 3514 | 3534 | rVB2 | 43101    | 73665     | 0.03%  | 0.010%  |
| 90  | 12.432 | 3539 | 3543 | 3549 | rVB  | 13445    | 9708      | 0.00%  | 0.001%  |
| 91  | 12.519 | 3560 | 3570 | 3577 | rBV6 | 11455    | 23801     | 0.01%  | 0.003%  |
| 92  | 12.570 | 3577 | 3586 | 3614 | rVV  | 376091   | 641085    | 0.27%  | 0.083%  |
| 93  | 12.686 | 3614 | 3622 | 3641 | rVB  | 28354    | 48755     | 0.02%  | 0.006%  |
| 94  | 12.934 | 3696 | 3699 | 3701 | rBV4 | 1771     | 1285      | 0.00%  | 0.000%  |
| 95  | 13.197 | 3767 | 3781 | 3818 | rBV  | 17629301 | 26326236  | 11.28% | 3.404%  |
| 96  | 13.676 | 3918 | 3930 | 3964 | rBV  | 2127605  | 3244179   | 1.39%  | 0.419%  |
| 97  | 14.091 | 4049 | 4059 | 4077 | rBV  | 44741    | 82941     | 0.04%  | 0.011%  |
| 98  | 14.551 | 4200 | 4202 | 4205 | rBV4 | 990      | 466       | 0.00%  | 0.000%  |
| 99  | 14.757 | 4250 | 4266 | 4282 | rBV  | 216596   | 367375    | 0.16%  | 0.047%  |
| 100 | 15.332 | 4435 | 4445 | 4462 | rBV  | 179287   | 283683    | 0.12%  | 0.037%  |

Sum of corrected areas: 773436521

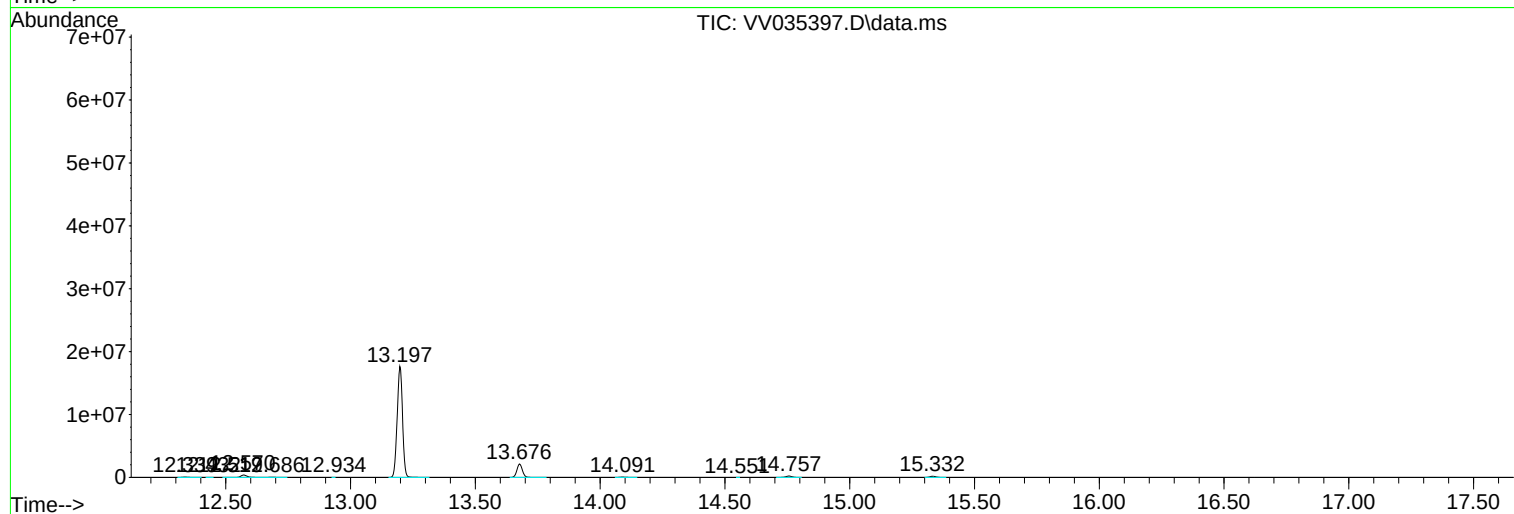
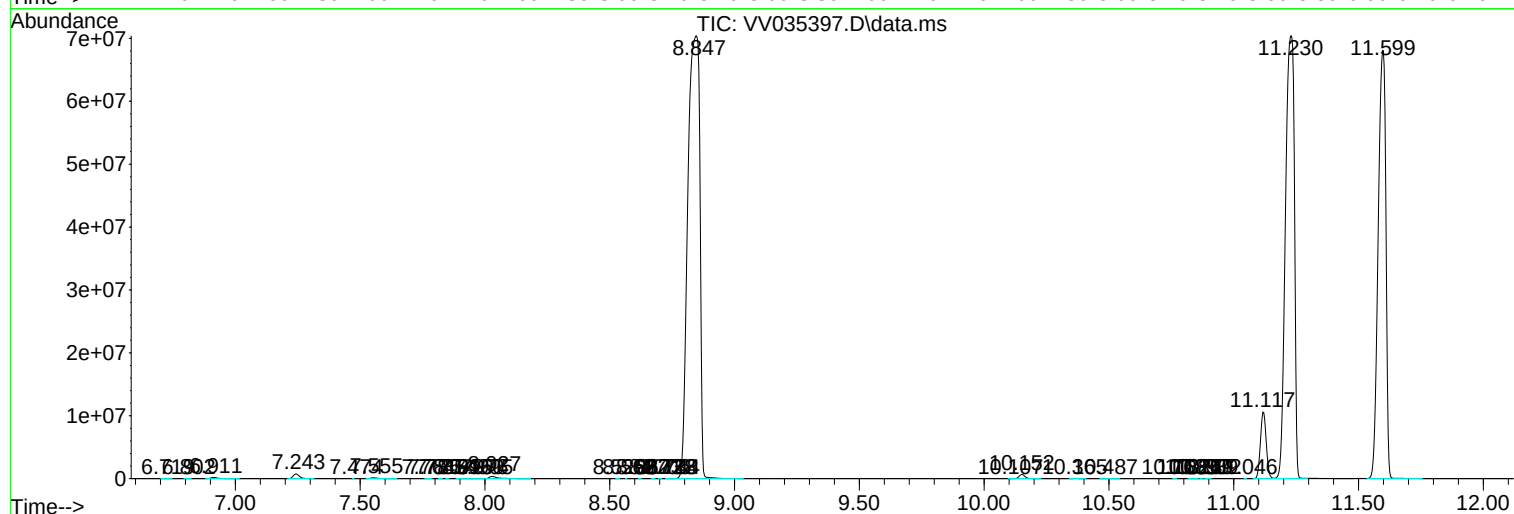
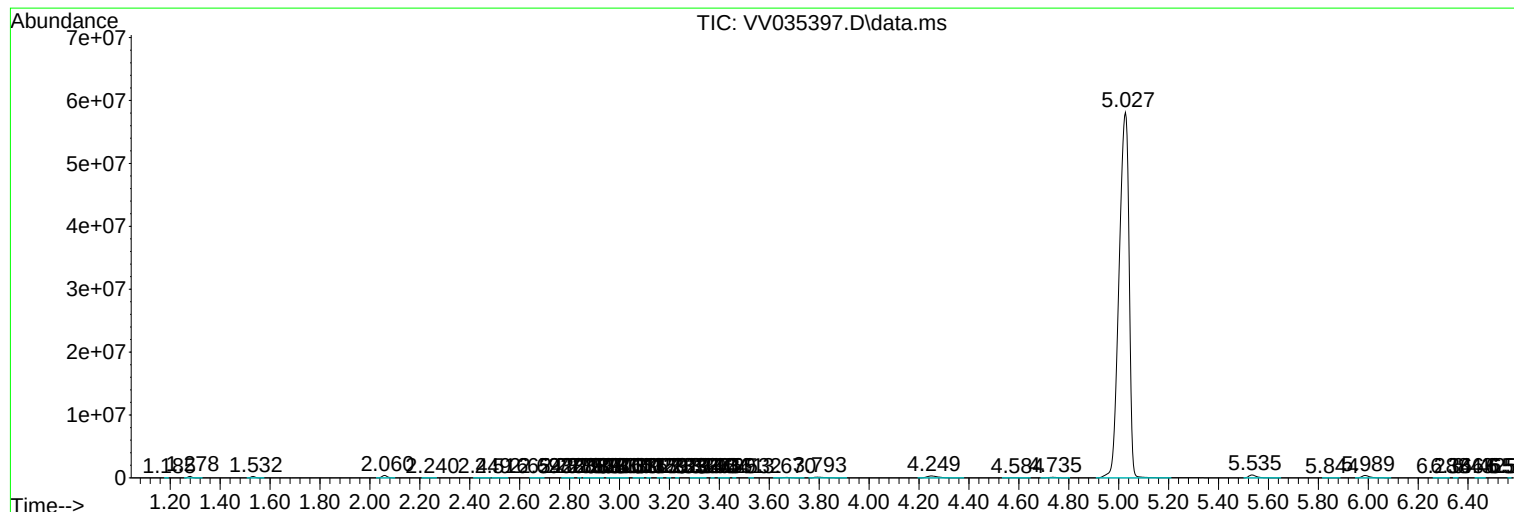
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042424\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



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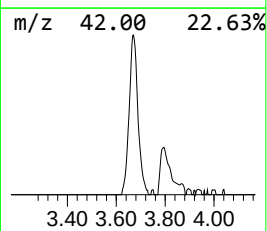
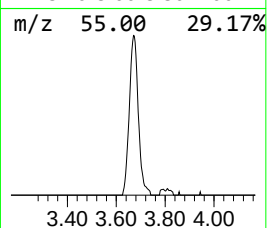
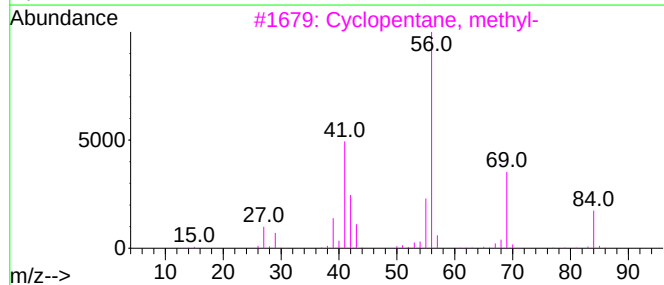
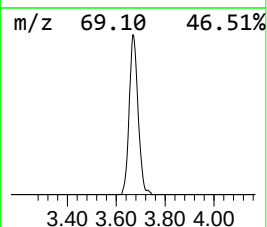
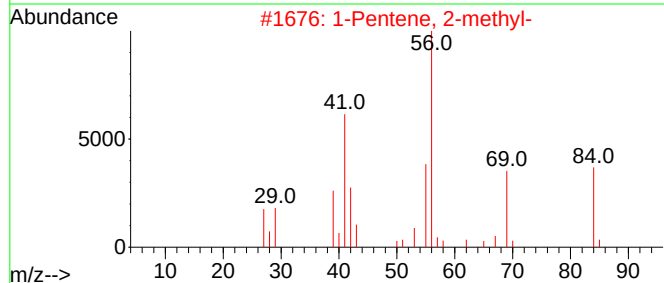
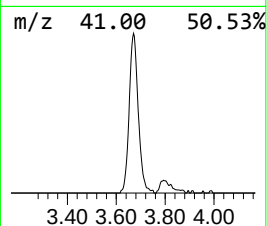
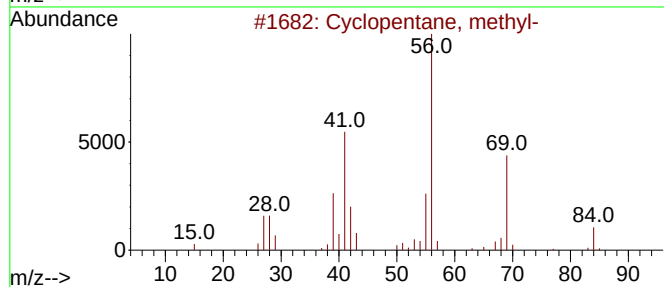
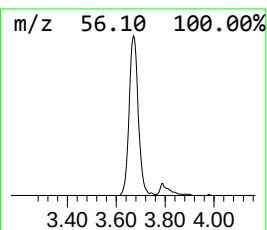
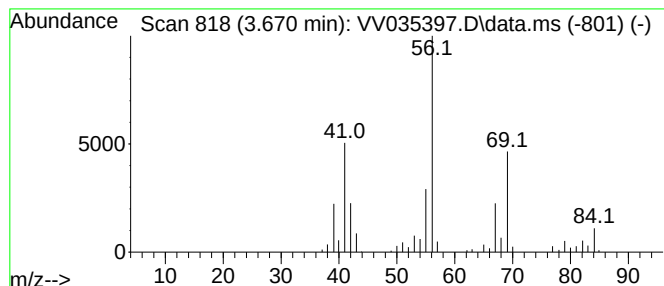
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic3.670 Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.670 | 9.00 ug/L | 175177 | 1,4-Difluorobenzene | 5.535 |

| Hit# | of 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|------|-----------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 81   |
| 2    |      | 1-Pentene, 2-methyl-  | 84 | C6H12   | 000763-29-1 | 68   |
| 3    |      | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 64   |
| 4    |      | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 64   |
| 5    |      | Cyclohexane           | 84 | C6H12   | 000110-82-7 | 64   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: C... | 3.670 | 9.0     | ug/L  | 175177   | 1                     | 5.535 | 972704 | 50.0 |