

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060724\  
 Data File : VV036010.D  
 Acq On : 07 Jun 2024 15:14  
 Operator : SY/MD  
 Sample : P2754-17  
 Misc : 5.60g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BQ1

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\SFAMVLM053024SMA.M

Title : VOC Analysis

Signal : TIC: VV036010.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         | 1.272       | 66            | 72          | 85           | rVB      | 178986         | 192789        | 13.28%          | 1.876%        |
| 2         | 1.526       | 145           | 151         | 165          | rVB      | 173550         | 206705        | 14.24%          | 2.012%        |
| 3         | 2.050       | 305           | 314         | 331          | rVB      | 326688         | 467864        | 32.22%          | 4.553%        |
| 4         | 2.439       | 425           | 435         | 453          | rVB      | 68036          | 115120        | 7.93%           | 1.120%        |
| 5         | 2.960       | 583           | 597         | 611          | rBV4     | 8655           | 17934         | 1.24%           | 0.175%        |
| 6         | 3.108       | 639           | 643         | 646          | rBV3     | 709            | 605           | 0.04%           | 0.006%        |
| 7         | 3.503       | 758           | 766         | 769          | rBV      | 383            | 485           | 0.03%           | 0.005%        |
| 8         | 3.629       | 801           | 805         | 810          | rBV3     | 329            | 338           | 0.02%           | 0.003%        |
| 9         | 3.841       | 855           | 871         | 904          | rBV      | 25313          | 119102        | 8.20%           | 1.159%        |
| 10        | 4.243       | 980           | 996         | 1031         | rVV      | 254532         | 668492        | 46.04%          | 6.505%        |
| 11        | 4.487       | 1068          | 1072        | 1075         | rBV4     | 532            | 578           | 0.04%           | 0.006%        |
| 12        | 4.725       | 1143          | 1146        | 1153         | rVV4     | 595            | 691           | 0.05%           | 0.007%        |
| 13        | 4.828       | 1174          | 1178        | 1181         | rBV3     | 434            | 338           | 0.02%           | 0.003%        |
| 14        | 4.950       | 1201          | 1216        | 1259         | rBV2     | 562561         | 1452053       | 100.00%         | 14.130%       |
| 15        | 5.220       | 1298          | 1300        | 1305         | rVB3     | 856            | 610           | 0.04%           | 0.006%        |
| 16        | 5.330       | 1331          | 1334        | 1337         | rBV3     | 502            | 400           | 0.03%           | 0.004%        |
| 17        | 5.529       | 1384          | 1396        | 1433         | rBV      | 545721         | 1146155       | 78.93%          | 11.154%       |
| 18        | 5.831       | 1478          | 1490        | 1508         | rBV3     | 17576          | 40494         | 2.79%           | 0.394%        |
| 19        | 5.985       | 1523          | 1538        | 1571         | rBV      | 343304         | 732303        | 50.43%          | 7.126%        |
| 20        | 6.246       | 1616          | 1619        | 1623         | rVB4     | 679            | 517           | 0.04%           | 0.005%        |
| 21        | 6.272       | 1625          | 1627        | 1629         | rVV3     | 625            | 345           | 0.02%           | 0.003%        |
| 22        | 6.284       | 1629          | 1631        | 1634         | rVV3     | 719            | 424           | 0.03%           | 0.004%        |
| 23        | 6.307       | 1634          | 1638        | 1642         | rVV4     | 758            | 685           | 0.05%           | 0.007%        |
| 24        | 6.326       | 1642          | 1644        | 1654         | rVB5     | 574            | 690           | 0.05%           | 0.007%        |
| 25        | 6.368       | 1654          | 1657        | 1660         | rBV2     | 632            | 428           | 0.03%           | 0.004%        |
| 26        | 6.426       | 1671          | 1675        | 1677         | rBV3     | 523            | 375           | 0.03%           | 0.004%        |
| 27        | 6.445       | 1677          | 1681        | 1683         | rBV4     | 499            | 360           | 0.02%           | 0.004%        |
| 28        | 6.519       | 1698          | 1704        | 1707         | rBV3     | 582            | 512           | 0.04%           | 0.005%        |
| 29        | 6.645       | 1741          | 1743        | 1748         | rBV3     | 488            | 389           | 0.03%           | 0.004%        |
| 30        | 6.696       | 1755          | 1759        | 1762         | rVB2     | 707            | 500           | 0.03%           | 0.005%        |
| 31        | 6.911       | 1816          | 1826        | 1858         | rBV      | 137089         | 277705        | 19.12%          | 2.702%        |
| 32        | 7.165       | 1901          | 1905        | 1907         | rBV3     | 520            | 403           | 0.03%           | 0.004%        |
| 33        | 7.239       | 1916          | 1928        | 1955         | rBV      | 525738         | 954906        | 65.76%          | 9.293%        |
| 34        | 7.555       | 2017          | 2026        | 2052         | rBV      | 84079          | 170075        | 11.71%          | 1.655%        |
| 35        | 7.792       | 2097          | 2100        | 2101         | rBV3     | 505            | 341           | 0.02%           | 0.003%        |
| 36        | 7.873       | 2113          | 2125        | 2133         | rBV4     | 6683           | 12687         | 0.87%           | 0.123%        |

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 A4BQ1

Integration Parameters: LSCINT.P

Integrator: RTE

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Start Thrs: 0.2

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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\SFAMVLM053024SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 7.947  | 2145 | 2148 | 2152 | rVB4 | 692    | 464     | 0.03%  | 0.005%  |
| 38 | 8.030  | 2166 | 2174 | 2201 | rBV2 | 100695 | 236463  | 16.28% | 2.301%  |
| 39 | 8.445  | 2300 | 2303 | 2307 | rBV3 | 598    | 549     | 0.04%  | 0.005%  |
| 40 | 8.468  | 2307 | 2310 | 2318 | rVB6 | 837    | 1013    | 0.07%  | 0.010%  |
| 41 | 8.503  | 2318 | 2321 | 2323 | rBV2 | 769    | 603     | 0.04%  | 0.006%  |
| 42 | 8.551  | 2334 | 2336 | 2340 | rVB  | 641    | 368     | 0.03%  | 0.004%  |
| 43 | 8.571  | 2340 | 2342 | 2345 | rBV3 | 512    | 358     | 0.02%  | 0.003%  |
| 44 | 8.599  | 2345 | 2351 | 2355 | rVV6 | 1505   | 1705    | 0.12%  | 0.017%  |
| 45 | 8.648  | 2362 | 2366 | 2369 | rVB3 | 461    | 312     | 0.02%  | 0.003%  |
| 46 | 8.670  | 2369 | 2373 | 2377 | rVV3 | 553    | 480     | 0.03%  | 0.005%  |
| 47 | 8.780  | 2396 | 2407 | 2436 | rBV  | 733959 | 1229500 | 84.67% | 11.965% |
| 48 | 8.956  | 2458 | 2462 | 2466 | rBV6 | 1418   | 1129    | 0.08%  | 0.011%  |
| 49 | 9.095  | 2500 | 2505 | 2510 | rBV6 | 1423   | 1474    | 0.10%  | 0.014%  |
| 50 | 9.236  | 2545 | 2549 | 2553 | rBV2 | 441    | 502     | 0.03%  | 0.005%  |
| 51 | 9.259  | 2554 | 2556 | 2559 | rVV3 | 769    | 419     | 0.03%  | 0.004%  |
| 52 | 9.487  | 2618 | 2627 | 2629 | rBV3 | 1434   | 1772    | 0.12%  | 0.017%  |
| 53 | 9.744  | 2704 | 2707 | 2710 | rVB3 | 547    | 371     | 0.03%  | 0.004%  |
| 54 | 9.773  | 2710 | 2716 | 2721 | rBV3 | 573    | 611     | 0.04%  | 0.006%  |
| 55 | 9.834  | 2727 | 2735 | 2743 | rBV4 | 6692   | 10924   | 0.75%  | 0.106%  |
| 56 | 9.969  | 2774 | 2777 | 2780 | rBV2 | 530    | 343     | 0.02%  | 0.003%  |
| 57 | 9.998  | 2780 | 2786 | 2791 | rVV4 | 513    | 732     | 0.05%  | 0.007%  |
| 58 | 10.062 | 2795 | 2806 | 2814 | rVV5 | 3923   | 6339    | 0.44%  | 0.062%  |
| 59 | 10.149 | 2820 | 2833 | 2856 | rBV  | 237833 | 394827  | 27.19% | 3.842%  |
| 60 | 10.252 | 2861 | 2865 | 2870 | rVB6 | 1305   | 1335    | 0.09%  | 0.013%  |
| 61 | 10.323 | 2878 | 2887 | 2897 | rVB2 | 13845  | 22968   | 1.58%  | 0.224%  |
| 62 | 10.480 | 2928 | 2936 | 2938 | rBV5 | 1329   | 1656    | 0.11%  | 0.016%  |
| 63 | 10.603 | 2966 | 2974 | 2979 | rBV5 | 1035   | 1323    | 0.09%  | 0.013%  |
| 64 | 10.660 | 2989 | 2992 | 2995 | rVB4 | 664    | 352     | 0.02%  | 0.003%  |
| 65 | 10.712 | 3001 | 3008 | 3010 | rBV5 | 1377   | 1511    | 0.10%  | 0.015%  |
| 66 | 10.770 | 3018 | 3026 | 3035 | rVB7 | 1675   | 2834    | 0.20%  | 0.028%  |
| 67 | 10.815 | 3035 | 3040 | 3042 | rBV4 | 949    | 728     | 0.05%  | 0.007%  |
| 68 | 10.853 | 3042 | 3052 | 3060 | rBV4 | 11506  | 18309   | 1.26%  | 0.178%  |
| 69 | 10.972 | 3080 | 3089 | 3097 | rVV3 | 4694   | 7741    | 0.53%  | 0.075%  |
| 70 | 11.027 | 3104 | 3106 | 3108 | rBV2 | 538    | 309     | 0.02%  | 0.003%  |
| 71 | 11.078 | 3114 | 3122 | 3131 | rBV3 | 19680  | 31718   | 2.18%  | 0.309%  |
| 72 | 11.127 | 3132 | 3137 | 3144 | rVB8 | 5531   | 7531    | 0.52%  | 0.073%  |
| 73 | 11.185 | 3144 | 3155 | 3173 | rBV  | 528134 | 835831  | 57.56% | 8.134%  |
| 74 | 11.326 | 3191 | 3199 | 3205 | rBV3 | 16564  | 26423   | 1.82%  | 0.257%  |
| 75 | 11.365 | 3205 | 3211 | 3223 | rVB2 | 22526  | 34360   | 2.37%  | 0.334%  |
| 76 | 11.487 | 3240 | 3249 | 3261 | rBV3 | 28004  | 65219   | 4.49%  | 0.635%  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BQ1

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\SFAMVLM053024SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.558 | 3262 | 3271 | 3298 | rVB  | 383042 | 638623 | 43.98% | 6.215% |
| 78  | 12.194 | 3460 | 3469 | 3480 | rBV2 | 11727  | 19946  | 1.37%  | 0.194% |
| 79  | 12.297 | 3493 | 3501 | 3512 | rBV8 | 7576   | 13690  | 0.94%  | 0.133% |
| 80  | 12.538 | 3566 | 3576 | 3586 | rBV8 | 3201   | 5941   | 0.41%  | 0.058% |
| 81  | 12.615 | 3594 | 3600 | 3609 | rVB5 | 7907   | 11165  | 0.77%  | 0.109% |
| 82  | 12.728 | 3632 | 3635 | 3636 | rBV2 | 1301   | 610    | 0.04%  | 0.006% |
| 83  | 12.789 | 3649 | 3654 | 3658 | rBV4 | 1288   | 1424   | 0.10%  | 0.014% |
| 84  | 12.828 | 3661 | 3666 | 3675 | rVB6 | 4425   | 5735   | 0.39%  | 0.056% |
| 85  | 12.985 | 3712 | 3715 | 3716 | rBV4 | 888    | 499    | 0.03%  | 0.005% |
| 86  | 13.094 | 3743 | 3749 | 3758 | rVB8 | 2836   | 4453   | 0.31%  | 0.043% |
| 87  | 13.197 | 3779 | 3781 | 3783 | rBV2 | 603    | 403    | 0.03%  | 0.004% |
| 88  | 13.265 | 3801 | 3802 | 3807 | rBV4 | 562    | 362    | 0.02%  | 0.004% |
| 89  | 13.310 | 3811 | 3816 | 3818 | rBV4 | 694    | 653    | 0.04%  | 0.006% |
| 90  | 13.397 | 3839 | 3843 | 3845 | rBV3 | 1128   | 1103   | 0.08%  | 0.011% |
| 91  | 13.467 | 3856 | 3865 | 3875 | rVB7 | 5146   | 8913   | 0.61%  | 0.087% |
| 92  | 13.532 | 3876 | 3885 | 3894 | rBV8 | 4444   | 7346   | 0.51%  | 0.071% |
| 93  | 13.683 | 3925 | 3932 | 3943 | rVB8 | 3289   | 4988   | 0.34%  | 0.049% |
| 94  | 13.760 | 3954 | 3956 | 3958 | rBV3 | 602    | 413    | 0.03%  | 0.004% |
| 95  | 13.811 | 3969 | 3972 | 3974 | rBV3 | 681    | 524    | 0.04%  | 0.005% |
| 96  | 13.905 | 3998 | 4001 | 4003 | rBV2 | 735    | 527    | 0.04%  | 0.005% |
| 97  | 13.982 | 4018 | 4025 | 4033 | rBV3 | 3748   | 7313   | 0.50%  | 0.071% |
| 98  | 14.191 | 4088 | 4090 | 4094 | rBV2 | 628    | 510    | 0.04%  | 0.005% |
| 99  | 14.509 | 4186 | 4189 | 4192 | rBV4 | 974    | 794    | 0.05%  | 0.008% |
| 100 | 14.786 | 4270 | 4275 | 4284 | rVB7 | 3071   | 4339   | 0.30%  | 0.042% |

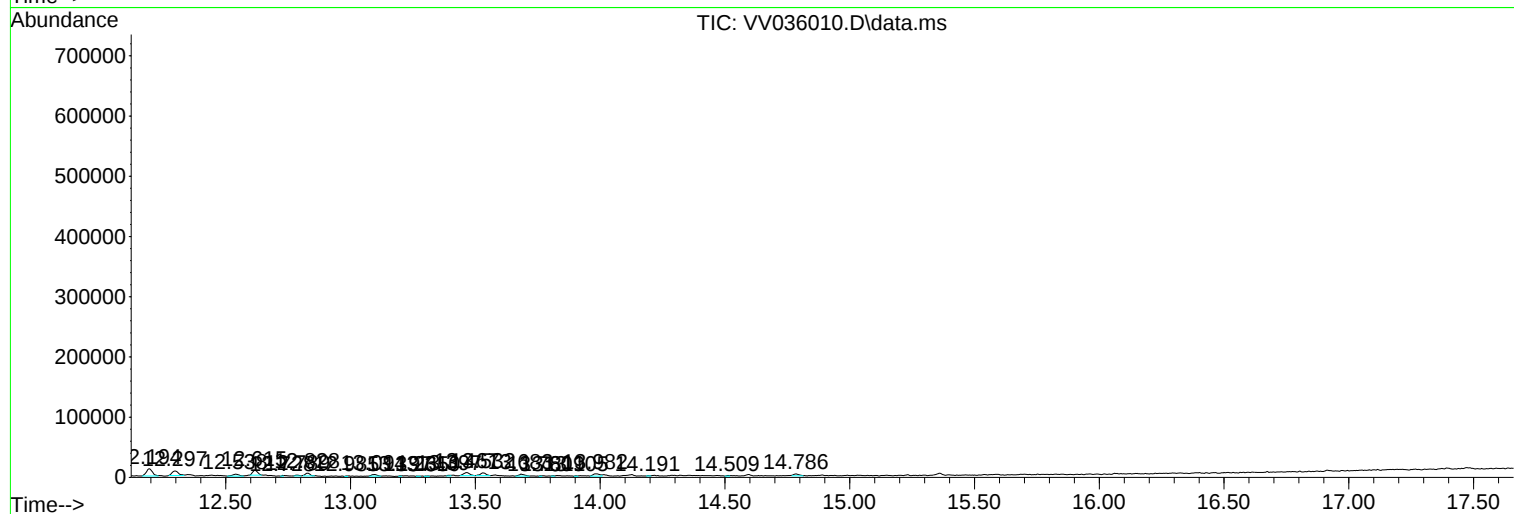
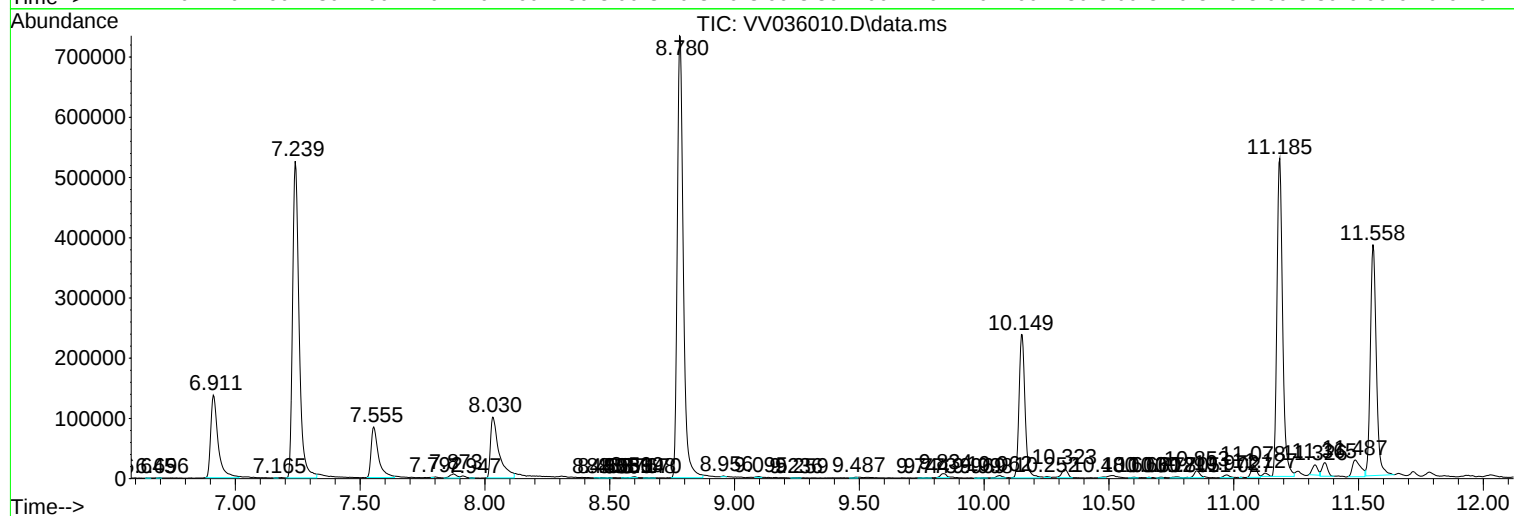
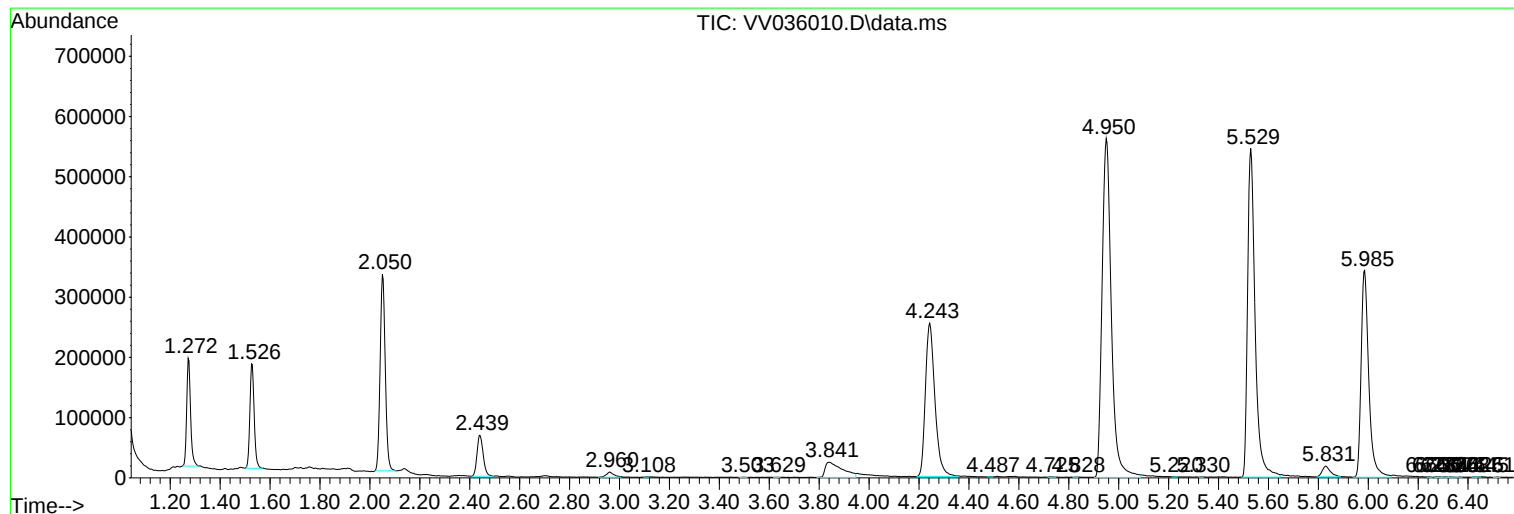
Sum of corrected areas: 10276078

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Instrument :  
MSVOA\_V  
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A4BQ1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060724\  
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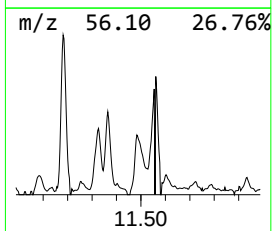
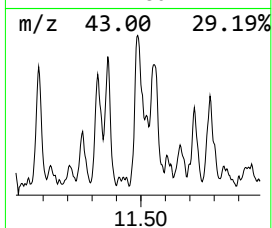
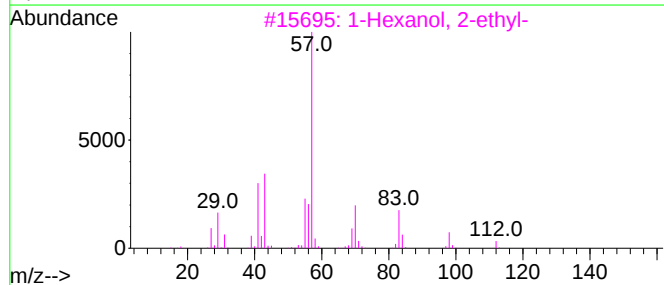
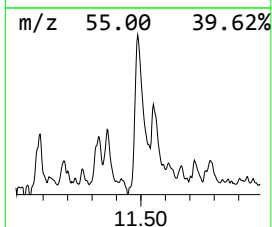
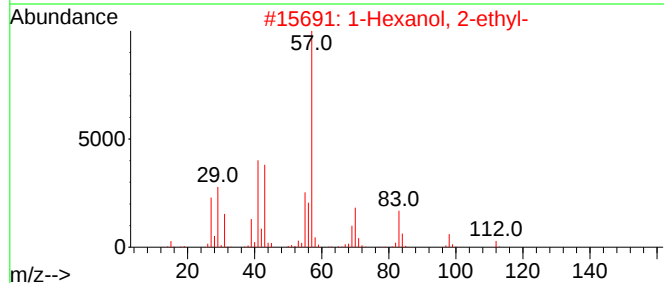
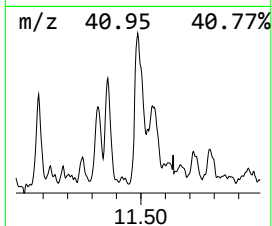
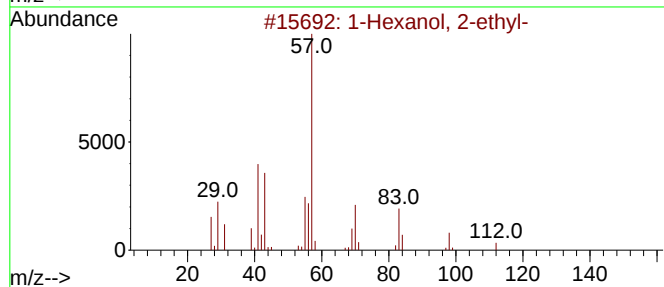
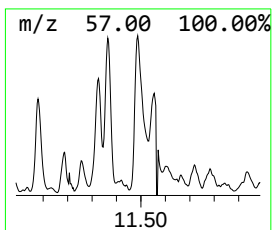
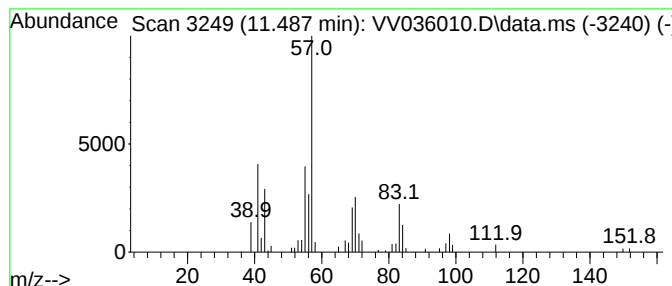
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.487 | 1.95 ug/L | 65219 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------------------|---|--------------|-----|---------|-------------|------|
| 1    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 78   |
| 2    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 72   |
| 3    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 72   |
| 4    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 64   |
| 5    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 64   |



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Quant Title : VOC Analysis

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 1-Hexanol, 2-et... | 11.487 | 2.0     | ug/L  | 65219    | 3                     | 11.185 | 835831 | 25.0 |