

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070224\  
 Data File : VV036419.D  
 Acq On : 02 Jul 2024 14:14  
 Operator : SY/MD  
 Sample : P3087-17RE  
 Misc : 5.45g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BR2RE

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\SFAMVLM062724SMA.M

Title : VOC Analysis

Signal : TIC: VV036419.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         | 1.275       | 67            | 73          | 93           | rVB      | 216352         | 232758        | 20.21%          | 3.036%        |
| 2         | 1.529       | 145           | 152         | 167          | rVB      | 172619         | 204762        | 17.78%          | 2.671%        |
| 3         | 2.053       | 305           | 315         | 329          | rBV      | 356652         | 505167        | 43.86%          | 6.589%        |
| 4         | 2.233       | 367           | 371         | 383          | rVB2     | 13721          | 19746         | 1.71%           | 0.258%        |
| 5         | 2.442       | 427           | 436         | 447          | rVV2     | 9819           | 17043         | 1.48%           | 0.222%        |
| 6         | 2.545       | 466           | 468         | 475          | rVB5     | 543            | 485           | 0.04%           | 0.006%        |
| 7         | 2.600       | 481           | 485         | 486          | rBV3     | 379            | 304           | 0.03%           | 0.004%        |
| 8         | 2.613       | 487           | 489         | 490          | rVV      | 495            | 211           | 0.02%           | 0.003%        |
| 9         | 2.622       | 490           | 492         | 495          | rVV2     | 440            | 305           | 0.03%           | 0.004%        |
| 10        | 2.648       | 495           | 500         | 505          | rVB5     | 899            | 878           | 0.08%           | 0.011%        |
| 11        | 2.680       | 508           | 510         | 517          | rVB2     | 358            | 295           | 0.03%           | 0.004%        |
| 12        | 2.725       | 517           | 524         | 526          | rBV4     | 616            | 640           | 0.06%           | 0.008%        |
| 13        | 2.738       | 526           | 528         | 532          | rVB3     | 345            | 227           | 0.02%           | 0.003%        |
| 14        | 2.767       | 532           | 537         | 541          | rBV2     | 359            | 359           | 0.03%           | 0.005%        |
| 15        | 2.844       | 559           | 561         | 567          | rVB2     | 544            | 409           | 0.04%           | 0.005%        |
| 16        | 2.892       | 574           | 576         | 580          | rBV2     | 382            | 265           | 0.02%           | 0.003%        |
| 17        | 2.963       | 589           | 598         | 610          | rVV6     | 3040           | 6517          | 0.57%           | 0.085%        |
| 18        | 3.008       | 610           | 612         | 617          | rVB3     | 556            | 330           | 0.03%           | 0.004%        |
| 19        | 3.188       | 665           | 668         | 671          | rBV2     | 332            | 218           | 0.02%           | 0.003%        |
| 20        | 3.281       | 694           | 697         | 699          | rBV      | 411            | 208           | 0.02%           | 0.003%        |
| 21        | 3.625       | 798           | 804         | 807          | rVB      | 319            | 228           | 0.02%           | 0.003%        |
| 22        | 3.847       | 864           | 873         | 898          | rBV2     | 13058          | 57822         | 5.02%           | 0.754%        |
| 23        | 4.246       | 982           | 997         | 1037         | rBV      | 195162         | 514735        | 44.69%          | 6.713%        |
| 24        | 4.490       | 1070          | 1073        | 1076         | rVB4     | 736            | 543           | 0.05%           | 0.007%        |
| 25        | 4.551       | 1091          | 1092        | 1096         | rBV2     | 345            | 229           | 0.02%           | 0.003%        |
| 26        | 4.635       | 1115          | 1118        | 1122         | rVB4     | 598            | 432           | 0.04%           | 0.006%        |
| 27        | 4.680       | 1129          | 1132        | 1136         | rVB2     | 395            | 279           | 0.02%           | 0.004%        |
| 28        | 4.783       | 1159          | 1164        | 1166         | rBV3     | 304            | 283           | 0.02%           | 0.004%        |
| 29        | 4.857       | 1185          | 1187        | 1191         | rVB3     | 421            | 251           | 0.02%           | 0.003%        |
| 30        | 4.879       | 1191          | 1194        | 1197         | rVB2     | 363            | 226           | 0.02%           | 0.003%        |
| 31        | 4.902       | 1197          | 1201        | 1203         | rBV2     | 348            | 218           | 0.02%           | 0.003%        |
| 32        | 4.953       | 1203          | 1217        | 1258         | rBV2     | 452200         | 1151718       | 100.00%         | 15.021%       |
| 33        | 5.275       | 1314          | 1317        | 1320         | rBV2     | 401            | 279           | 0.02%           | 0.004%        |
| 34        | 5.313       | 1327          | 1329        | 1331         | rBV2     | 443            | 218           | 0.02%           | 0.003%        |
| 35        | 5.381       | 1345          | 1350        | 1353         | rVV2     | 360            | 362           | 0.03%           | 0.005%        |
| 36        | 5.452       | 1364          | 1372        | 1374         | rBV2     | 538            | 540           | 0.05%           | 0.007%        |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BR2RE

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\SFAMVLM062724SMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |        |         |
|----|-------|------|------|------|------|--------|---------|--------|---------|
| 37 | 5.532 | 1380 | 1397 | 1426 | rBV  | 479812 | 1007383 | 87.47% | 13.139% |
| 38 | 5.834 | 1480 | 1491 | 1507 | rBV2 | 9233   | 20614   | 1.79%  | 0.269%  |
| 39 | 5.985 | 1524 | 1538 | 1567 | rBV  | 250415 | 532988  | 46.28% | 6.951%  |
| 40 | 6.217 | 1608 | 1610 | 1612 | rVB2 | 480    | 227     | 0.02%  | 0.003%  |
| 41 | 6.249 | 1615 | 1620 | 1622 | rBV4 | 466    | 396     | 0.03%  | 0.005%  |
| 42 | 6.265 | 1623 | 1625 | 1627 | rVV3 | 624    | 277     | 0.02%  | 0.004%  |
| 43 | 6.288 | 1630 | 1632 | 1637 | rVV3 | 520    | 299     | 0.03%  | 0.004%  |
| 44 | 6.374 | 1655 | 1659 | 1660 | rBV2 | 449    | 225     | 0.02%  | 0.003%  |
| 45 | 6.407 | 1666 | 1669 | 1672 | rVV2 | 430    | 273     | 0.02%  | 0.004%  |
| 46 | 6.481 | 1688 | 1692 | 1693 | rBV2 | 436    | 204     | 0.02%  | 0.003%  |
| 47 | 6.535 | 1706 | 1709 | 1712 | rVB  | 318    | 202     | 0.02%  | 0.003%  |
| 48 | 6.555 | 1712 | 1715 | 1722 | rVB3 | 430    | 486     | 0.04%  | 0.006%  |
| 49 | 6.641 | 1740 | 1742 | 1749 | rVB2 | 370    | 328     | 0.03%  | 0.004%  |
| 50 | 6.702 | 1757 | 1761 | 1763 | rBV  | 414    | 243     | 0.02%  | 0.003%  |
| 51 | 6.767 | 1777 | 1781 | 1787 | rBV2 | 410    | 346     | 0.03%  | 0.005%  |
| 52 | 6.802 | 1787 | 1792 | 1793 | rBV2 | 409    | 293     | 0.03%  | 0.004%  |
| 53 | 6.854 | 1801 | 1808 | 1810 | rBV3 | 379    | 369     | 0.03%  | 0.005%  |
| 54 | 6.915 | 1815 | 1827 | 1855 | rBV2 | 89028  | 183263  | 15.91% | 2.390%  |
| 55 | 7.050 | 1867 | 1869 | 1872 | rVB3 | 608    | 349     | 0.03%  | 0.005%  |
| 56 | 7.243 | 1917 | 1929 | 1953 | rBV  | 413947 | 749832  | 65.11% | 9.780%  |
| 57 | 7.481 | 2000 | 2003 | 2007 | rVB4 | 692    | 516     | 0.04%  | 0.007%  |
| 58 | 7.513 | 2008 | 2013 | 2016 | rVB4 | 717    | 589     | 0.05%  | 0.008%  |
| 59 | 7.558 | 2017 | 2027 | 2046 | rBV2 | 52132  | 102582  | 8.91%  | 1.338%  |
| 60 | 7.796 | 2100 | 2101 | 2104 | rVB2 | 652    | 268     | 0.02%  | 0.003%  |
| 61 | 7.815 | 2104 | 2107 | 2109 | rBV3 | 436    | 209     | 0.02%  | 0.003%  |
| 62 | 7.876 | 2112 | 2126 | 2136 | rBV2 | 5669   | 10285   | 0.89%  | 0.134%  |
| 63 | 7.915 | 2136 | 2138 | 2145 | rVB3 | 793    | 539     | 0.05%  | 0.007%  |
| 64 | 8.001 | 2158 | 2165 | 2166 | rBV  | 233    | 313     | 0.03%  | 0.004%  |
| 65 | 8.037 | 2168 | 2176 | 2207 | rBV  | 57419  | 136609  | 11.86% | 1.782%  |
| 66 | 8.352 | 2270 | 2274 | 2276 | rBV3 | 490    | 313     | 0.03%  | 0.004%  |
| 67 | 8.551 | 2332 | 2336 | 2338 | rBV2 | 337    | 221     | 0.02%  | 0.003%  |
| 68 | 8.577 | 2341 | 2344 | 2348 | rVB3 | 357    | 291     | 0.03%  | 0.004%  |
| 69 | 8.654 | 2365 | 2368 | 2372 | rBV3 | 395    | 279     | 0.02%  | 0.004%  |
| 70 | 8.683 | 2372 | 2377 | 2380 | rBV  | 377    | 394     | 0.03%  | 0.005%  |
| 71 | 8.722 | 2386 | 2389 | 2392 | rBV2 | 347    | 214     | 0.02%  | 0.003%  |
| 72 | 8.783 | 2397 | 2408 | 2436 | rBV  | 527411 | 882043  | 76.58% | 11.504% |
| 73 | 8.976 | 2466 | 2468 | 2471 | rVB3 | 806    | 379     | 0.03%  | 0.005%  |
| 74 | 9.011 | 2471 | 2479 | 2483 | rBV4 | 2060   | 2497    | 0.22%  | 0.033%  |
| 75 | 9.230 | 2544 | 2547 | 2550 | rBV3 | 375    | 253     | 0.02%  | 0.003%  |
| 76 | 9.249 | 2550 | 2553 | 2556 | rBV2 | 792    | 651     | 0.06%  | 0.008%  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BR2RE

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\SFAMVLM062724SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |        |        |        |        |
|-----|--------|------|------|------|-------|--------|--------|--------|--------|
| 77  | 9.313  | 2570 | 2573 | 2577 | rBV2  | 492    | 355    | 0.03%  | 0.005% |
| 78  | 9.381  | 2581 | 2594 | 2602 | rBV6  | 7189   | 12390  | 1.08%  | 0.162% |
| 79  | 9.490  | 2622 | 2628 | 2630 | rBV3  | 523    | 513    | 0.04%  | 0.007% |
| 80  | 9.506  | 2630 | 2633 | 2635 | rVV3  | 541    | 270    | 0.02%  | 0.004% |
| 81  | 9.522  | 2635 | 2638 | 2640 | rBV2  | 530    | 378    | 0.03%  | 0.005% |
| 82  | 9.596  | 2657 | 2661 | 2663 | rBV3  | 534    | 352    | 0.03%  | 0.005% |
| 83  | 9.609  | 2663 | 2665 | 2667 | rBV   | 370    | 200    | 0.02%  | 0.003% |
| 84  | 9.641  | 2667 | 2675 | 2682 | rBV7  | 2746   | 4034   | 0.35%  | 0.053% |
| 85  | 9.722  | 2694 | 2700 | 2705 | rVB7  | 1251   | 1655   | 0.14%  | 0.022% |
| 86  | 9.767  | 2705 | 2714 | 2725 | rVV6  | 8315   | 14337  | 1.24%  | 0.187% |
| 87  | 9.831  | 2728 | 2734 | 2745 | rVB10 | 3704   | 6557   | 0.57%  | 0.086% |
| 88  | 9.905  | 2753 | 2757 | 2758 | rBV3  | 390    | 262    | 0.02%  | 0.003% |
| 89  | 9.918  | 2758 | 2761 | 2763 | rVV4  | 643    | 347    | 0.03%  | 0.005% |
| 90  | 9.943  | 2763 | 2769 | 2775 | rVB7  | 1534   | 2078   | 0.18%  | 0.027% |
| 91  | 9.979  | 2777 | 2780 | 2781 | rBV2  | 497    | 287    | 0.02%  | 0.004% |
| 92  | 10.059 | 2797 | 2805 | 2814 | rBV3  | 7783   | 13158  | 1.14%  | 0.172% |
| 93  | 10.152 | 2824 | 2834 | 2854 | rVB2  | 143727 | 311024 | 27.01% | 4.056% |
| 94  | 10.323 | 2875 | 2887 | 2895 | rBV3  | 38135  | 64509  | 5.60%  | 0.841% |
| 95  | 10.442 | 2917 | 2924 | 2925 | rBV4  | 5279   | 5819   | 0.51%  | 0.076% |
| 96  | 10.680 | 2990 | 2998 | 3005 | rBV6  | 8439   | 13928  | 1.21%  | 0.182% |
| 97  | 10.760 | 3018 | 3023 | 3035 | rVB6  | 16684  | 25310  | 2.20%  | 0.330% |
| 98  | 10.834 | 3035 | 3046 | 3058 | rBV6  | 16003  | 39513  | 3.43%  | 0.515% |
| 99  | 11.185 | 3146 | 3155 | 3173 | rBV   | 271158 | 445699 | 38.70% | 5.813% |
| 100 | 11.561 | 3263 | 3272 | 3291 | rBV   | 184196 | 346814 | 30.11% | 4.523% |

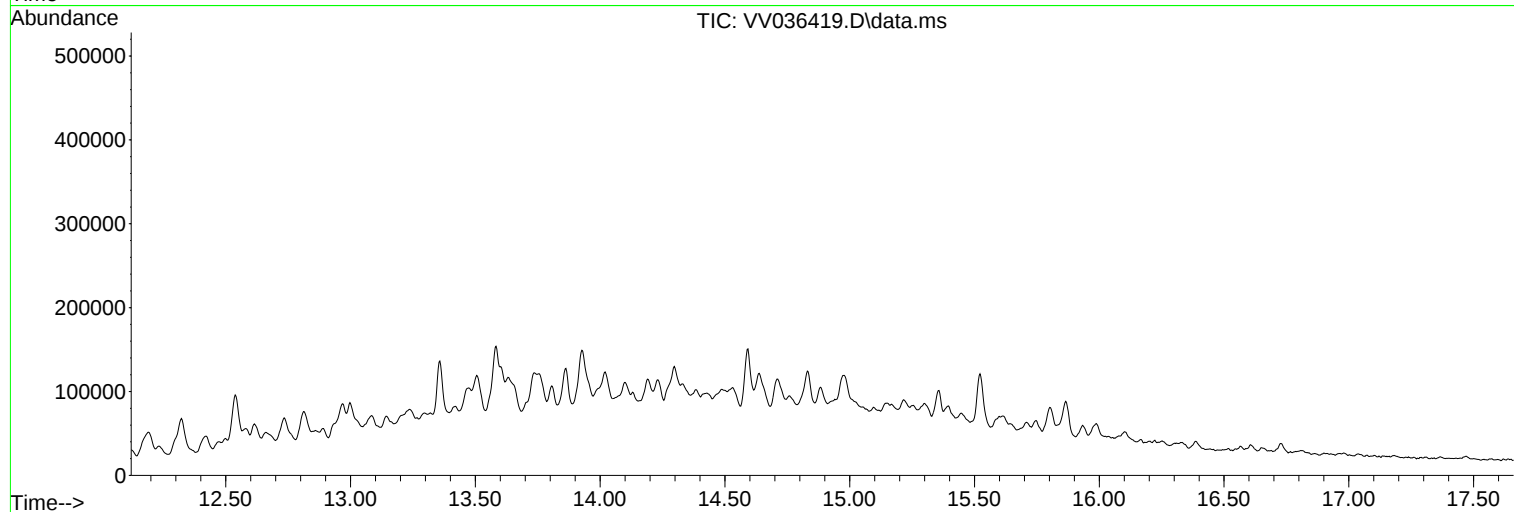
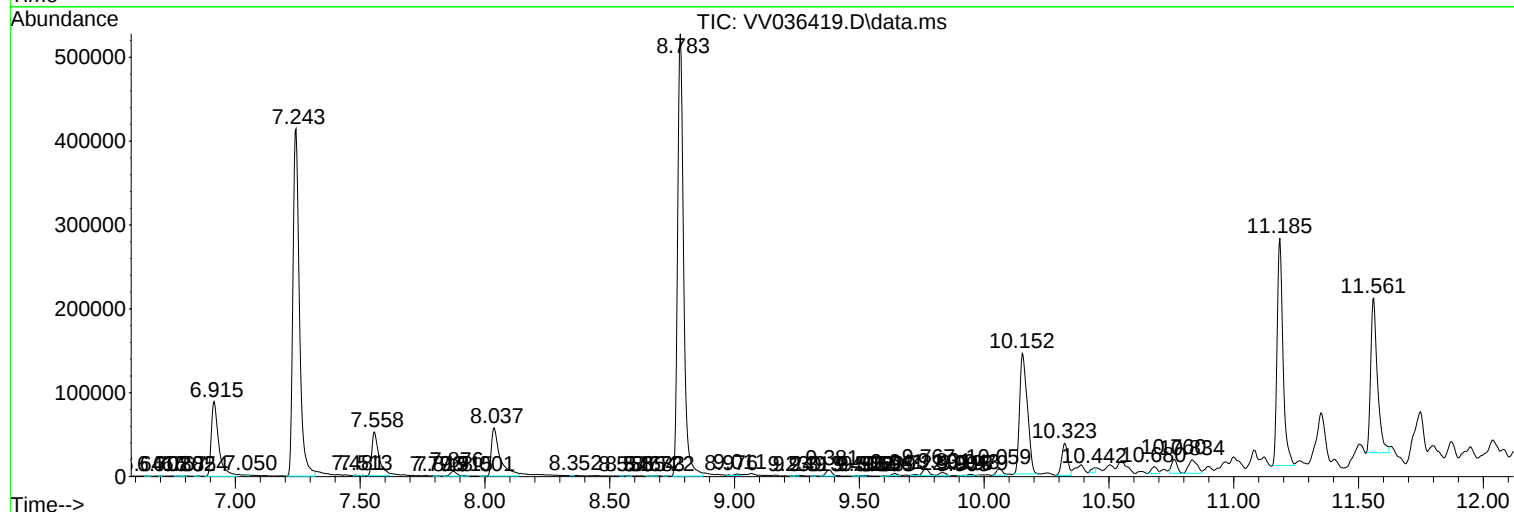
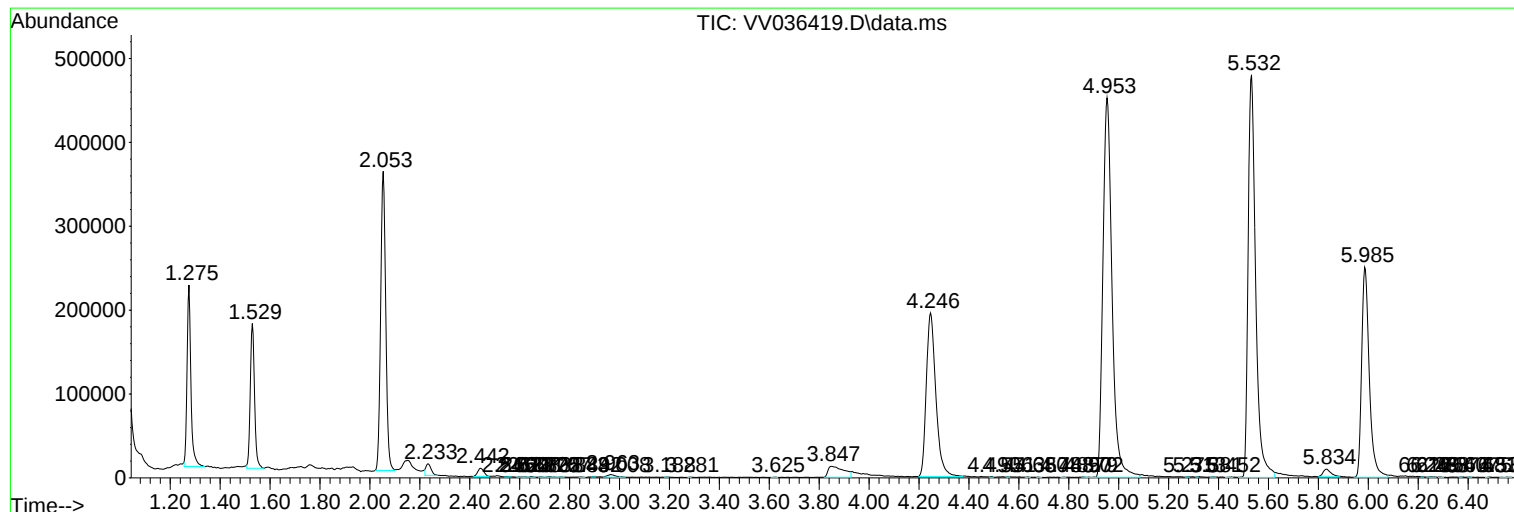
Sum of corrected areas: 7667321

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Instrument :  
MSVOA\_V  
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A4BR2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070224\  
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Instrument :  
MSVOA\_V  
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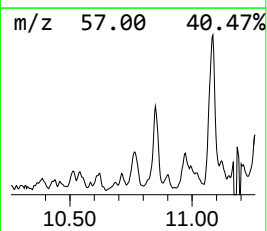
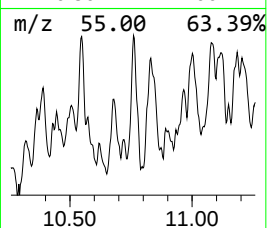
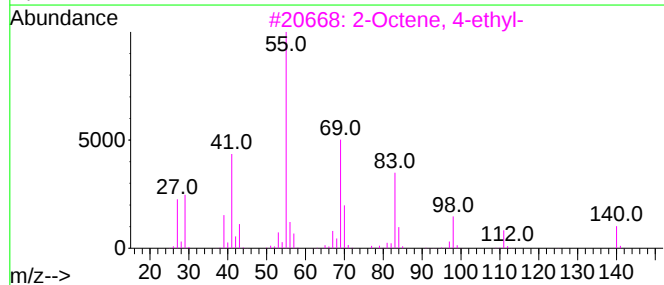
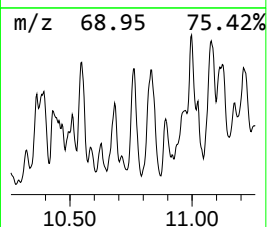
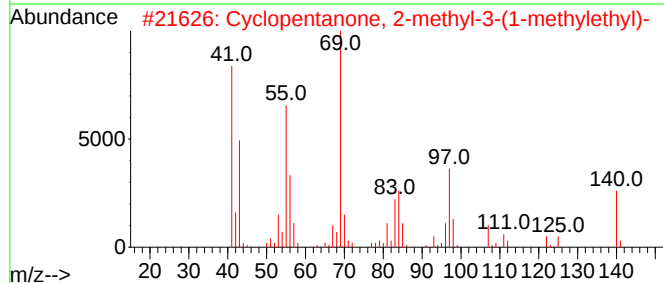
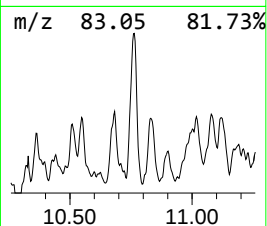
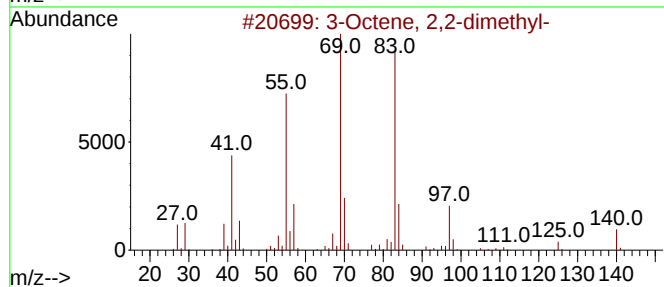
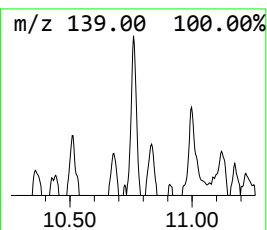
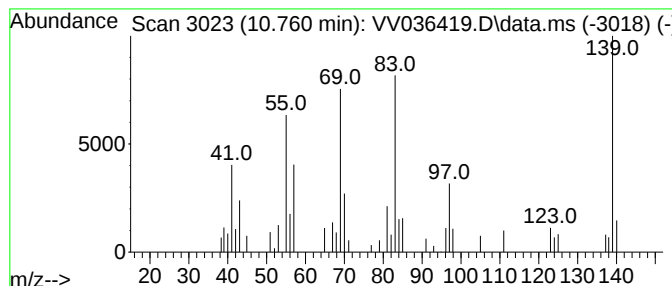
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 10.760 | 1.42 ug/L | 25310 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 3-Octene, 2,2-dimethyl-             | 140 | C10H20   | 086869-76-3  | 47   |
| 2    |    |   | Cyclopentanone, 2-methyl-3-(1-me... | 140 | C9H16O   | 054549-81-4  | 38   |
| 3    |    |   | 2-Octene, 4-ethyl-                  | 140 | C10H20   | 053966-52-2  | 38   |
| 4    |    |   | 3-Octene, 4-ethyl-                  | 140 | C10H20   | 053966-51-1  | 38   |
| 5    |    |   | Oxalic acid, heptyl 1-menthyl ester | 326 | C19H34O4 | 1010314-97-5 | 35   |



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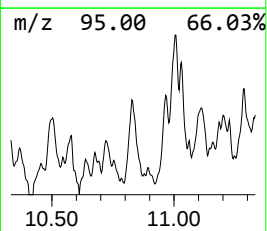
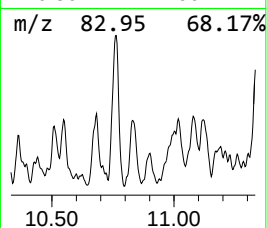
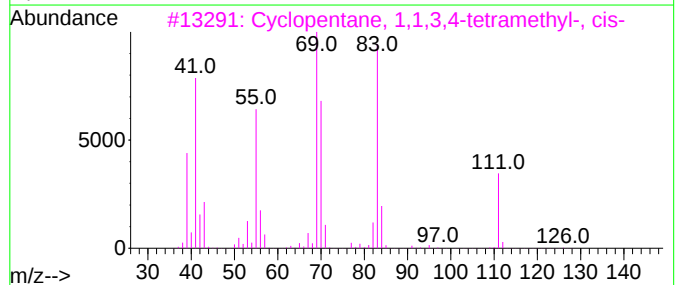
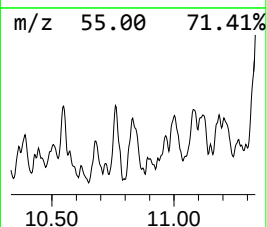
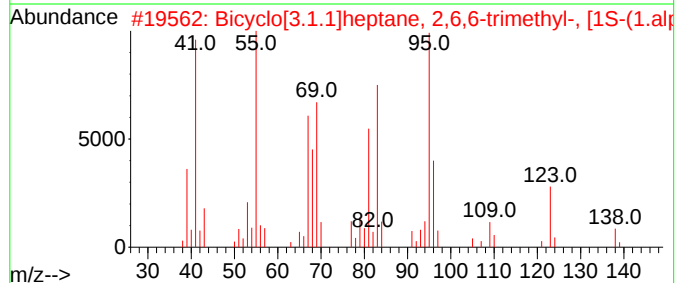
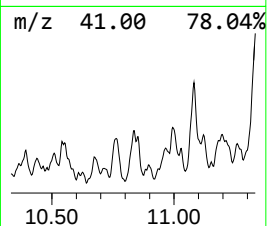
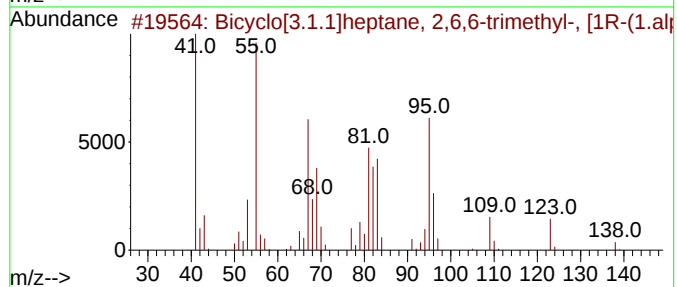
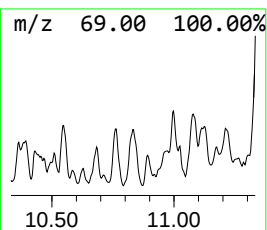
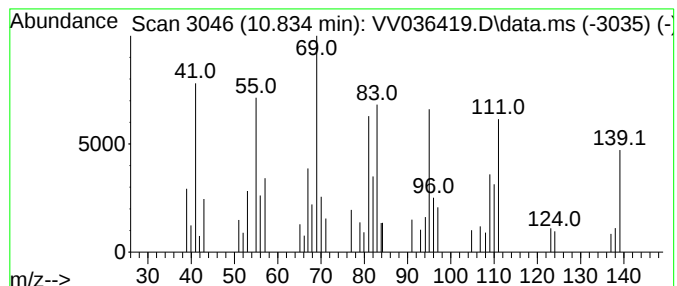
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
Quant Title : VOC Analysis

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

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Peak Number 4 unknown-01 Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 10.834 | 2.22 ug/L | 39513 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18   | 004863-59-6 | 35   |
| 2    |    |   | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18   | 004755-33-3 | 25   |
| 3    |    |   | Cyclopentane, 1,1,3,4-tetramethy... | 126 | C9H18    | 053907-60-1 | 22   |
| 4    |    |   | 1-Octadecyne                        | 250 | C18H34   | 000629-89-0 | 14   |
| 5    |    |   | Dibutyl phosphite                   | 194 | C8H19O3P | 001809-19-4 | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070224\  
Data File : VV036419.D  
Acq On : 02 Jul 2024 14:14  
Operator : SY/MD  
Sample : P3087-17RE  
Misc : 5.45g/10.0mL/MSVOA\_V/SOIL/B  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4BR2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
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 |
| (DEL) Alkane: S... | 10.760 | 1.4     | ug/L  | 25310    | 3                     | 11.185 | 445699 | 25.0 |
| unknown-01         | 10.834 | 2.2     | ug/L  | 39513    | 3                     | 11.185 | 445699 | 25.0 |