

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042523\  
 Data File : VV030861.D  
 Acq On : 26 Apr 2023 01:31  
 Operator : SY/MD  
 Sample : 02474-12  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AT4

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\SFAMVLM041723WMA.M  
 Title : VOC Analysis

Signal : TIC: VV030861.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         | 1.281       | 69            | 75          | 87           | rBV      | 96501          | 104930        | 12.88%          | 1.519%        |
| 2         | 1.535       | 148           | 154         | 168          | rVB      | 89912          | 107537        | 13.20%          | 1.556%        |
| 3         | 2.066       | 309           | 319         | 330          | rBV      | 194498         | 289039        | 35.47%          | 4.183%        |
| 4         | 2.352       | 402           | 408         | 409          | rBV5     | 1285           | 1057          | 0.13%           | 0.015%        |
| 5         | 2.426       | 429           | 431         | 435          | rBV4     | 975            | 709           | 0.09%           | 0.010%        |
| 6         | 2.452       | 435           | 439         | 442          | rBV4     | 2349           | 2598          | 0.32%           | 0.038%        |
| 7         | 2.503       | 452           | 455         | 459          | rBV6     | 1093           | 828           | 0.10%           | 0.012%        |
| 8         | 2.584       | 477           | 480         | 482          | rBV4     | 1293           | 761           | 0.09%           | 0.011%        |
| 9         | 2.728       | 522           | 525         | 528          | rBV5     | 1056           | 907           | 0.11%           | 0.013%        |
| 10        | 2.896       | 574           | 577         | 580          | rVB5     | 1690           | 1008          | 0.12%           | 0.015%        |
| 11        | 2.918       | 580           | 584         | 585          | rBV5     | 1605           | 1016          | 0.12%           | 0.015%        |
| 12        | 3.024       | 612           | 617         | 619          | rVV5     | 1714           | 1331          | 0.16%           | 0.019%        |
| 13        | 3.088       | 632           | 637         | 638          | rBV4     | 1386           | 952           | 0.12%           | 0.014%        |
| 14        | 3.233       | 678           | 682         | 685          | rVB6     | 1100           | 921           | 0.11%           | 0.013%        |
| 15        | 3.301       | 699           | 703         | 709          | rBV8     | 1144           | 1388          | 0.17%           | 0.020%        |
| 16        | 3.391       | 726           | 731         | 734          | rBV6     | 1401           | 1236          | 0.15%           | 0.018%        |
| 17        | 3.484       | 756           | 760         | 761          | rVV4     | 1299           | 945           | 0.12%           | 0.014%        |
| 18        | 3.519       | 769           | 771         | 774          | rVB3     | 1681           | 868           | 0.11%           | 0.013%        |
| 19        | 3.609       | 797           | 799         | 806          | rVB6     | 1032           | 737           | 0.09%           | 0.011%        |
| 20        | 3.645       | 806           | 810         | 813          | rBV6     | 1449           | 1492          | 0.18%           | 0.022%        |
| 21        | 3.799       | 848           | 858         | 883          | rBV2     | 52285          | 152226        | 18.68%          | 2.203%        |
| 22        | 4.259       | 987           | 1001        | 1022         | rBV2     | 130381         | 327514        | 40.19%          | 4.740%        |
| 23        | 4.606       | 1106          | 1109        | 1112         | rBV5     | 1600           | 1196          | 0.15%           | 0.017%        |
| 24        | 4.641       | 1116          | 1120        | 1123         | rBV6     | 1488           | 1141          | 0.14%           | 0.017%        |
| 25        | 4.783       | 1160          | 1164        | 1166         | rBV4     | 1528           | 1128          | 0.14%           | 0.016%        |
| 26        | 4.966       | 1202          | 1221        | 1250         | rBV2     | 303828         | 814813        | 100.00%         | 11.792%       |
| 27        | 5.365       | 1341          | 1345        | 1347         | rBV5     | 1364           | 1007          | 0.12%           | 0.015%        |
| 28        | 5.542       | 1388          | 1400        | 1425         | rVV      | 264340         | 552894        | 67.86%          | 8.002%        |
| 29        | 5.841       | 1479          | 1493        | 1514         | rBV      | 222141         | 449177        | 55.13%          | 6.501%        |
| 30        | 5.998       | 1531          | 1542        | 1562         | rVB      | 177476         | 365297        | 44.83%          | 5.287%        |
| 31        | 6.391       | 1662          | 1664        | 1667         | rBV3     | 1556           | 985           | 0.12%           | 0.014%        |
| 32        | 6.452       | 1680          | 1683        | 1685         | rVV4     | 1269           | 740           | 0.09%           | 0.011%        |
| 33        | 6.477       | 1688          | 1691        | 1694         | rBV6     | 1731           | 1144          | 0.14%           | 0.017%        |
| 34        | 6.561       | 1715          | 1717        | 1720         | rBV4     | 1200           | 856           | 0.11%           | 0.012%        |
| 35        | 6.654       | 1745          | 1746        | 1750         | rVB3     | 1483           | 652           | 0.08%           | 0.009%        |
| 36        | 6.731       | 1766          | 1770        | 1771         | rBV4     | 1420           | 1043          | 0.13%           | 0.015%        |

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 Sample : 02474-12  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AT4

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\SFAMVLM041723WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 6.809  | 1791 | 1794 | 1796 | rBV4 | 1136   | 787    | 0.10%  | 0.011% |
| 38 | 6.921  | 1818 | 1829 | 1847 | rBV  | 90586  | 172937 | 21.22% | 2.503% |
| 39 | 7.156  | 1899 | 1902 | 1904 | rBV5 | 1287   | 650    | 0.08%  | 0.009% |
| 40 | 7.252  | 1921 | 1932 | 1952 | rBV  | 340267 | 606774 | 74.47% | 8.781% |
| 41 | 7.558  | 2019 | 2027 | 2046 | rBV  | 64714  | 115324 | 14.15% | 1.669% |
| 42 | 7.918  | 2137 | 2139 | 2141 | rBV3 | 1365   | 754    | 0.09%  | 0.011% |
| 43 | 7.969  | 2151 | 2155 | 2158 | rBV6 | 1114   | 820    | 0.10%  | 0.012% |
| 44 | 7.985  | 2158 | 2160 | 2165 | rBV5 | 1495   | 1293   | 0.16%  | 0.019% |
| 45 | 8.034  | 2165 | 2175 | 2209 | rBV  | 161511 | 332786 | 40.84% | 4.816% |
| 46 | 8.397  | 2286 | 2288 | 2290 | rBV3 | 1295   | 692    | 0.08%  | 0.010% |
| 47 | 8.484  | 2309 | 2315 | 2317 | rBV5 | 1873   | 1851   | 0.23%  | 0.027% |
| 48 | 8.590  | 2345 | 2348 | 2353 | rBV6 | 1924   | 1692   | 0.21%  | 0.024% |
| 49 | 8.792  | 2397 | 2411 | 2435 | rBV  | 406837 | 684499 | 84.01% | 9.906% |
| 50 | 9.069  | 2493 | 2497 | 2501 | rBV7 | 1401   | 1386   | 0.17%  | 0.020% |
| 51 | 9.307  | 2566 | 2571 | 2574 | rBV5 | 2068   | 1979   | 0.24%  | 0.029% |
| 52 | 9.503  | 2627 | 2632 | 2635 | rBV5 | 2198   | 1739   | 0.21%  | 0.025% |
| 53 | 9.673  | 2679 | 2685 | 2686 | rBV4 | 1495   | 1273   | 0.16%  | 0.018% |
| 54 | 9.702  | 2691 | 2694 | 2696 | rBV4 | 1411   | 775    | 0.10%  | 0.011% |
| 55 | 9.760  | 2705 | 2712 | 2725 | rVB4 | 7052   | 14051  | 1.72%  | 0.203% |
| 56 | 9.815  | 2725 | 2729 | 2734 | rBV5 | 1253   | 1332   | 0.16%  | 0.019% |
| 57 | 9.876  | 2746 | 2748 | 2750 | rBV3 | 1081   | 656    | 0.08%  | 0.009% |
| 58 | 10.046 | 2798 | 2801 | 2805 | rBV5 | 1165   | 978    | 0.12%  | 0.014% |
| 59 | 10.159 | 2825 | 2836 | 2854 | rVB  | 247704 | 397955 | 48.84% | 5.759% |
| 60 | 10.336 | 2881 | 2891 | 2899 | rBV9 | 3957   | 8246   | 1.01%  | 0.119% |
| 61 | 10.484 | 2935 | 2937 | 2939 | rVB3 | 1610   | 648    | 0.08%  | 0.009% |
| 62 | 10.503 | 2939 | 2943 | 2944 | rBV3 | 1372   | 938    | 0.12%  | 0.014% |
| 63 | 10.593 | 2969 | 2971 | 2975 | rVV5 | 963    | 699    | 0.09%  | 0.010% |
| 64 | 10.670 | 2990 | 2995 | 2997 | rBV6 | 1386   | 1160   | 0.14%  | 0.017% |
| 65 | 10.738 | 3012 | 3016 | 3017 | rBV4 | 1254   | 978    | 0.12%  | 0.014% |
| 66 | 10.773 | 3025 | 3027 | 3031 | rVB4 | 1280   | 877    | 0.11%  | 0.013% |
| 67 | 10.869 | 3054 | 3057 | 3062 | rBV7 | 1100   | 874    | 0.11%  | 0.013% |
| 68 | 10.895 | 3062 | 3065 | 3068 | rBV4 | 865    | 688    | 0.08%  | 0.010% |
| 69 | 10.966 | 3084 | 3087 | 3089 | rBV5 | 1136   | 810    | 0.10%  | 0.012% |
| 70 | 10.998 | 3095 | 3097 | 3101 | rBV4 | 1058   | 723    | 0.09%  | 0.010% |
| 71 | 11.024 | 3103 | 3105 | 3110 | rBV6 | 1244   | 1049   | 0.13%  | 0.015% |
| 72 | 11.101 | 3122 | 3129 | 3142 | rBV4 | 21864  | 33904  | 4.16%  | 0.491% |
| 73 | 11.194 | 3147 | 3158 | 3177 | rVB  | 411670 | 654740 | 80.35% | 9.476% |
| 74 | 11.358 | 3204 | 3209 | 3210 | rBV4 | 1393   | 778    | 0.10%  | 0.011% |
| 75 | 11.480 | 3246 | 3247 | 3252 | rBV5 | 1128   | 928    | 0.11%  | 0.013% |
| 76 | 11.567 | 3262 | 3274 | 3296 | rBV  | 377961 | 603562 | 74.07% | 8.735% |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AT4

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\SFAMVLM041723WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 11.680 | 3306 | 3309 | 3311 | rBV3 | 1109  | 902   | 0.11% | 0.013% |
| 78  | 11.921 | 3382 | 3384 | 3388 | rBV5 | 1304  | 1163  | 0.14% | 0.017% |
| 79  | 12.127 | 3446 | 3448 | 3454 | rBV7 | 1179  | 1189  | 0.15% | 0.017% |
| 80  | 12.204 | 3465 | 3472 | 3474 | rBV8 | 1940  | 2139  | 0.26% | 0.031% |
| 81  | 12.297 | 3492 | 3501 | 3511 | rBV4 | 22961 | 37926 | 4.65% | 0.549% |
| 82  | 12.477 | 3552 | 3557 | 3560 | rBV4 | 1383  | 1345  | 0.17% | 0.019% |
| 83  | 12.747 | 3639 | 3641 | 3646 | rVB6 | 999   | 765   | 0.09% | 0.011% |
| 84  | 12.802 | 3654 | 3658 | 3660 | rBV4 | 962   | 730   | 0.09% | 0.011% |
| 85  | 12.850 | 3671 | 3673 | 3676 | rVB4 | 1514  | 765   | 0.09% | 0.011% |
| 86  | 13.059 | 3734 | 3738 | 3741 | rVB5 | 1583  | 1019  | 0.13% | 0.015% |
| 87  | 13.217 | 3786 | 3787 | 3792 | rVB5 | 994   | 678   | 0.08% | 0.010% |
| 88  | 13.278 | 3803 | 3806 | 3809 | rBV5 | 1076  | 876   | 0.11% | 0.013% |
| 89  | 13.361 | 3829 | 3832 | 3835 | rBV4 | 1024  | 800   | 0.10% | 0.012% |
| 90  | 13.451 | 3855 | 3860 | 3862 | rBV4 | 2208  | 1884  | 0.23% | 0.027% |
| 91  | 13.522 | 3879 | 3882 | 3885 | rVB5 | 1403  | 858   | 0.11% | 0.012% |
| 92  | 13.545 | 3886 | 3889 | 3892 | rBV4 | 1095  | 673   | 0.08% | 0.010% |
| 93  | 13.815 | 3968 | 3973 | 3975 | rBV5 | 1272  | 1045  | 0.13% | 0.015% |
| 94  | 13.914 | 3999 | 4004 | 4005 | rBV3 | 710   | 675   | 0.08% | 0.010% |
| 95  | 14.297 | 4120 | 4123 | 4125 | rBV3 | 1861  | 1245  | 0.15% | 0.018% |
| 96  | 14.574 | 4206 | 4209 | 4213 | rBV5 | 1183  | 934   | 0.11% | 0.014% |
| 97  | 14.702 | 4244 | 4249 | 4255 | rBV9 | 1723  | 1979  | 0.24% | 0.029% |
| 98  | 14.763 | 4263 | 4268 | 4269 | rBV4 | 1446  | 1230  | 0.15% | 0.018% |
| 99  | 14.844 | 4289 | 4293 | 4296 | rBV6 | 1458  | 1354  | 0.17% | 0.020% |
| 100 | 15.181 | 4395 | 4398 | 4399 | rBV3 | 1237  | 859   | 0.11% | 0.012% |

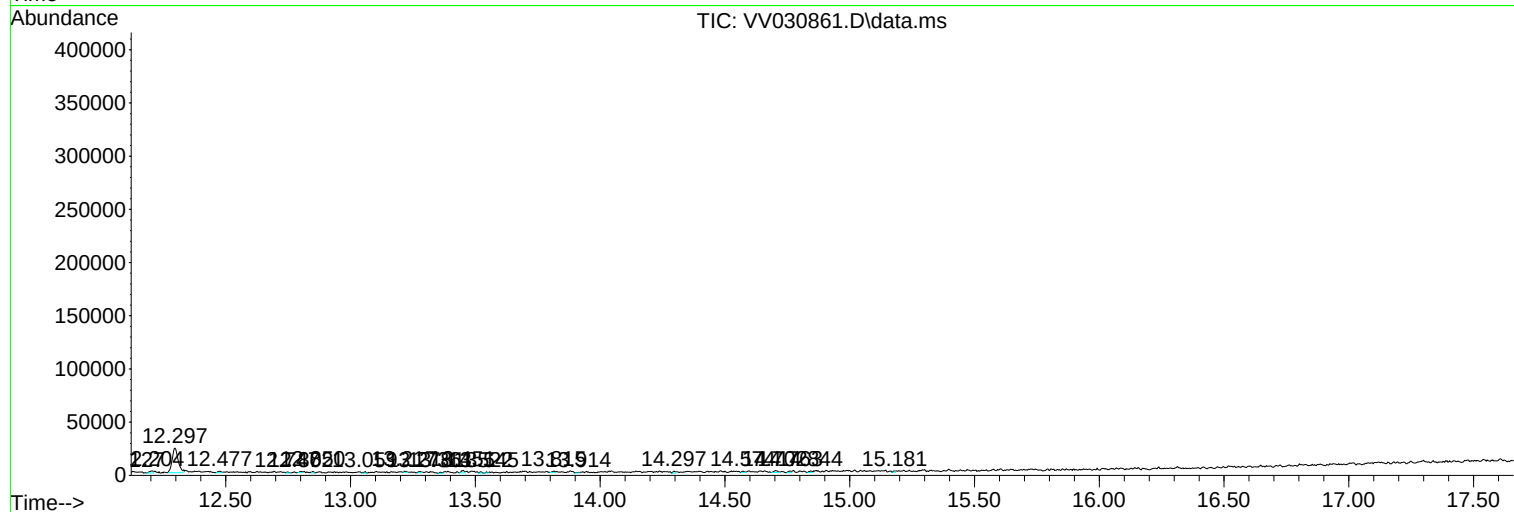
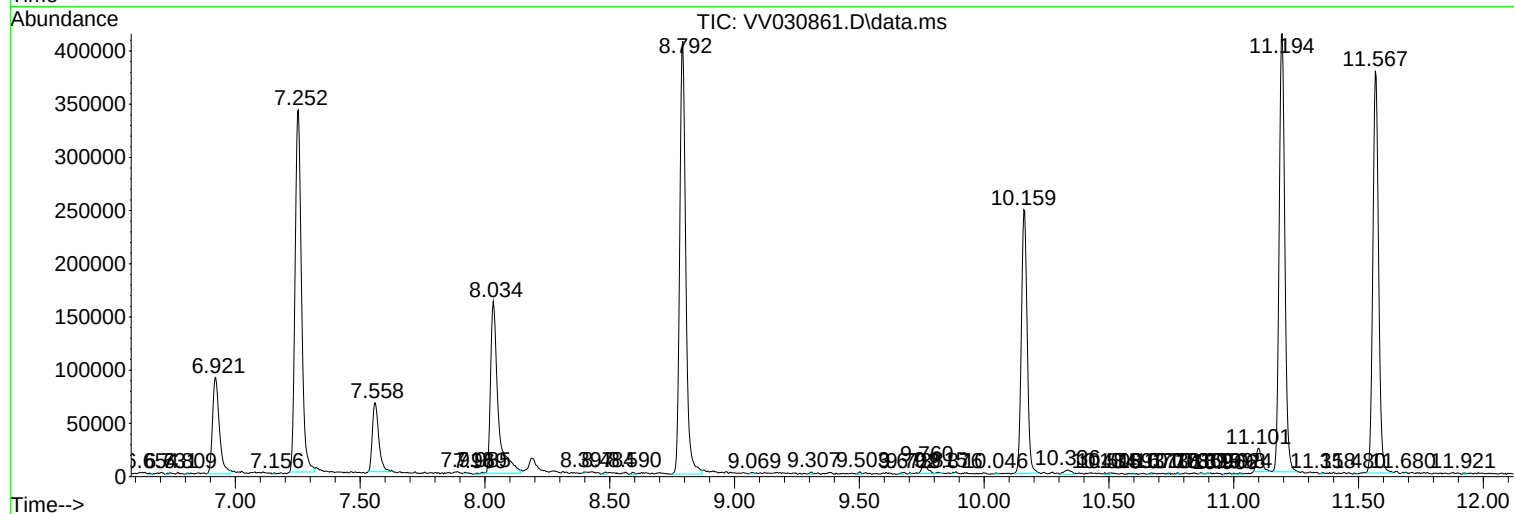
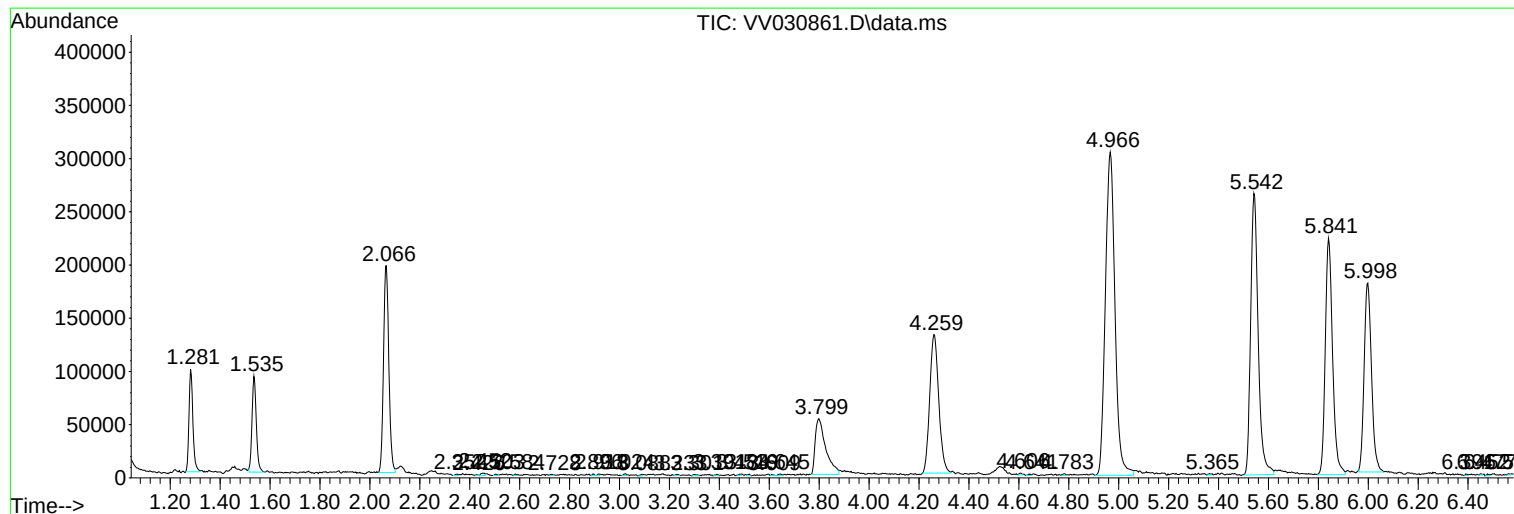
Sum of corrected areas: 6909691

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042523\  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AT4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042523\  
Data File : VV030861.D  
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Misc : 5.0mL/MSVOA\_V/WATER  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
COAT4

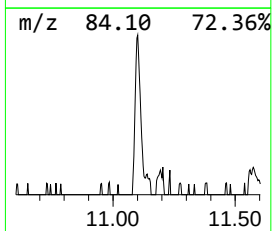
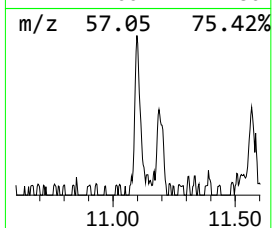
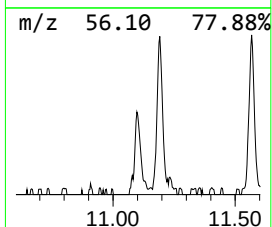
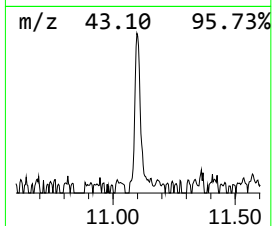
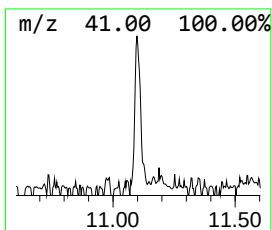
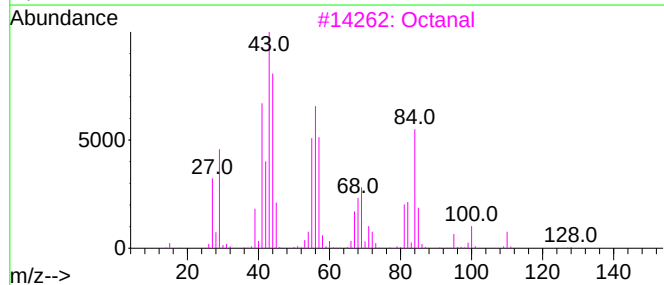
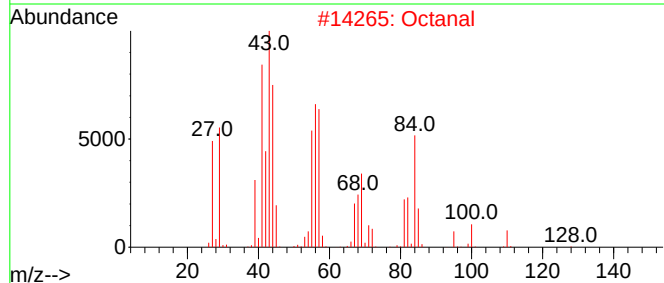
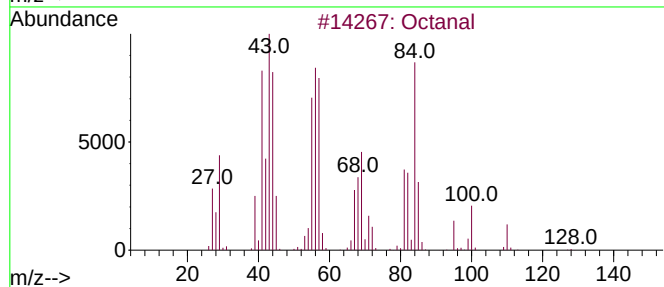
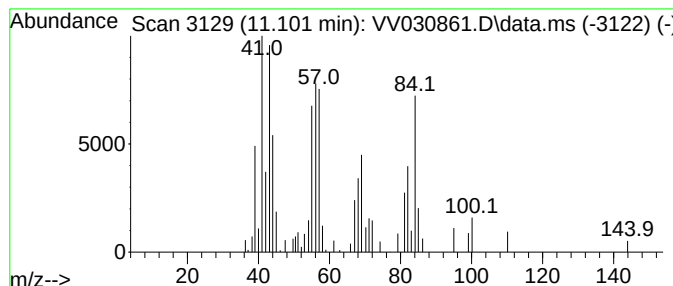
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 Octanal Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.101 | 2.59 ug/L | 33904 | 1,4-Dichlorobenzene-d4 | 11.194 |

| Hit# | of                              | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Octanal                         |   |              | 128 | C8H16O  | 000124-13-0 | 87   |
| 2    | Octanal                         |   |              | 128 | C8H16O  | 000124-13-0 | 83   |
| 3    | Octanal                         |   |              | 128 | C8H16O  | 000124-13-0 | 78   |
| 4    | Octanal                         |   |              | 128 | C8H16O  | 000124-13-0 | 78   |
| 5    | Cyclopropane, 1-ethyl-1-methyl- |   |              | 84  | C6H12   | 053778-43-1 | 38   |



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ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
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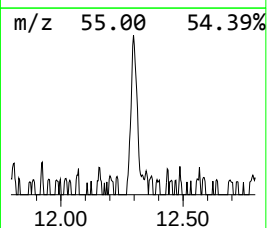
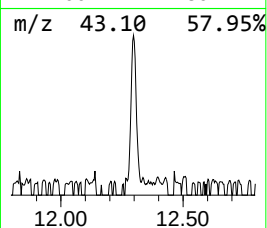
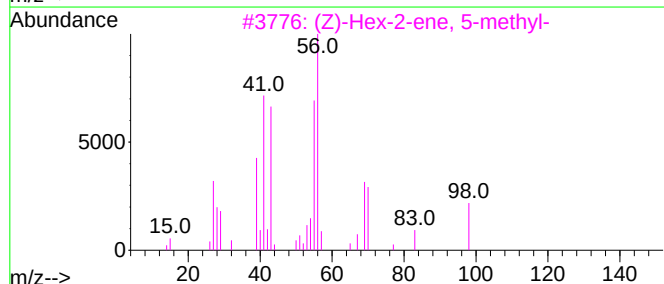
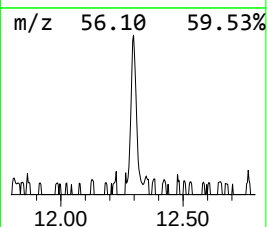
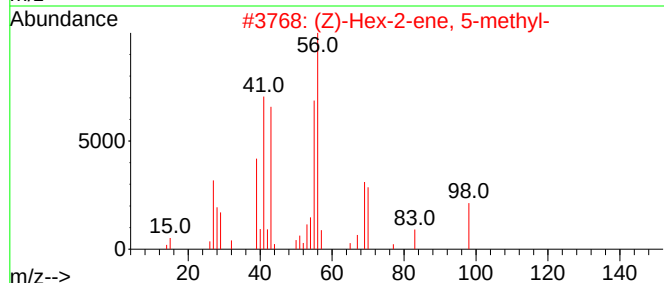
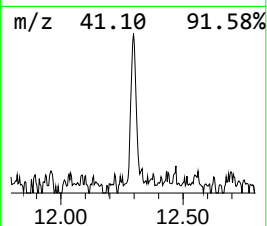
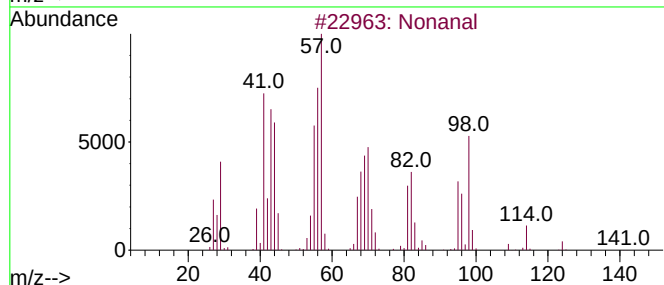
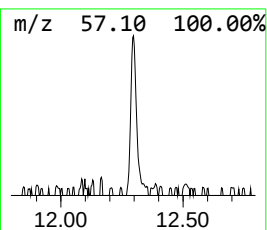
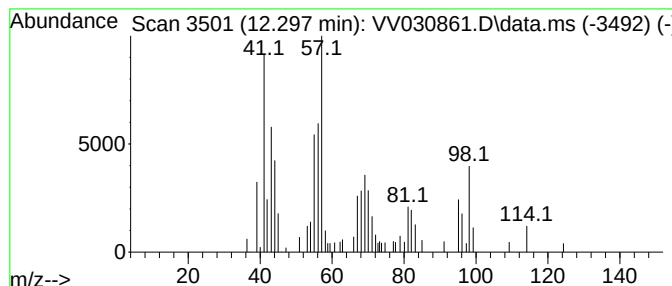
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 Nonanal Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.297 | 2.90 ug/L | 37926 | 1,4-Dichlorobenzene-d4 | 11.194 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Nonanal                            | 142 | C9H18O  | 000124-19-6  | 86   |
| 2    |    |   | (Z)-Hex-2-ene, 5-methyl-           | 98  | C7H14   | 013151-17-2  | 38   |
| 3    |    |   | (Z)-Hex-2-ene, 5-methyl-           | 98  | C7H14   | 013151-17-2  | 38   |
| 4    |    |   | 5-Methyl-2-hexene,c&t              | 98  | C7H14   | 003404-62-4  | 35   |
| 5    |    |   | 1,3-Dimethyl-3-n-propyldiaziridine | 114 | C6H14N2 | 1000283-16-7 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042523\  
Data File : VV030861.D  
Acq On : 26 Apr 2023 01:31  
Operator : SY/MD  
Sample : 02474-12  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AT4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.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 |
| Octanal          | 11.101 | 2.6     | ug/L  | 33904    | 3                     | 11.194 | 654740 | 50.0 |
| Nonanal          | 12.297 | 2.9     | ug/L  | 37926    | 3                     | 11.194 | 654740 | 50.0 |