

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092722\  
 Data File : VU050956.D  
 Acq On : 27 Sep 2022 14:57  
 Operator : JC/MD  
 Sample : N4854-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5J58

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\_U\Method\SFAMULM092022WMA.M  
 Title : VOC Analysis

Signal : TIC: VU050956.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         | 1.597       | 73            | 80          | 96           | rVB      | 158663         | 181200        | 11.93%          | 1.515%        |
| 2         | 1.912       | 170           | 178         | 194          | rVB      | 150731         | 197791        | 13.02%          | 1.654%        |
| 3         | 2.568       | 369           | 382         | 394          | rBV      | 273486         | 446964        | 29.42%          | 3.737%        |
| 4         | 2.723       | 427           | 430         | 431          | rBV2     | 438            | 262           | 0.02%           | 0.002%        |
| 5         | 2.797       | 450           | 453         | 458          | rVB3     | 1040           | 801           | 0.05%           | 0.007%        |
| 6         | 3.044       | 521           | 530         | 543          | rVB4     | 2387           | 4056          | 0.27%           | 0.034%        |
| 7         | 3.182       | 558           | 573         | 582          | rBV4     | 4494           | 9396          | 0.62%           | 0.079%        |
| 8         | 3.263       | 593           | 598         | 600          | rVB      | 365            | 282           | 0.02%           | 0.002%        |
| 9         | 3.359       | 621           | 628         | 634          | rBV3     | 369            | 542           | 0.04%           | 0.005%        |
| 10        | 3.385       | 634           | 636         | 642          | rVB2     | 435            | 305           | 0.02%           | 0.003%        |
| 11        | 3.501       | 670           | 672         | 676          | rBV2     | 406            | 288           | 0.02%           | 0.002%        |
| 12        | 3.571       | 691           | 694         | 699          | rBV3     | 354            | 284           | 0.02%           | 0.002%        |
| 13        | 3.748       | 746           | 749         | 752          | rVV2     | 359            | 252           | 0.02%           | 0.002%        |
| 14        | 3.771       | 752           | 756         | 758          | rVV2     | 456            | 307           | 0.02%           | 0.003%        |
| 15        | 3.893       | 791           | 794         | 798          | rVB      | 456            | 291           | 0.02%           | 0.002%        |
| 16        | 4.292       | 914           | 918         | 920          | rBV      | 309            | 241           | 0.02%           | 0.002%        |
| 17        | 4.616       | 1003          | 1019        | 1054         | rBV      | 182354         | 464241        | 30.56%          | 3.882%        |
| 18        | 5.063       | 1141          | 1158        | 1184         | rBV      | 287604         | 631363        | 41.56%          | 5.279%        |
| 19        | 5.234       | 1208          | 1211        | 1213         | rBV3     | 331            | 239           | 0.02%           | 0.002%        |
| 20        | 5.279       | 1220          | 1225        | 1226         | rBV3     | 1080           | 809           | 0.05%           | 0.007%        |
| 21        | 5.366       | 1248          | 1252        | 1256         | rBV3     | 762            | 698           | 0.05%           | 0.006%        |
| 22        | 5.388       | 1256          | 1259        | 1263         | rVV4     | 561            | 471           | 0.03%           | 0.004%        |
| 23        | 5.723       | 1341          | 1363        | 1386         | rBV2     | 545834         | 1519156       | 100.00%         | 12.703%       |
| 24        | 5.835       | 1396          | 1398        | 1401         | rVB3     | 678            | 325           | 0.02%           | 0.003%        |
| 25        | 5.980       | 1437          | 1443        | 1448         | rVB5     | 764            | 860           | 0.06%           | 0.007%        |
| 26        | 6.031       | 1457          | 1459        | 1465         | rBV3     | 675            | 502           | 0.03%           | 0.004%        |
| 27        | 6.076       | 1469          | 1473        | 1476         | rBV2     | 449            | 313           | 0.02%           | 0.003%        |
| 28        | 6.166       | 1497          | 1501        | 1506         | rBV2     | 410            | 326           | 0.02%           | 0.003%        |
| 29        | 6.247       | 1511          | 1526        | 1548         | rBV      | 415643         | 796646        | 52.44%          | 6.661%        |
| 30        | 6.382       | 1566          | 1568        | 1570         | rVB2     | 717            | 316           | 0.02%           | 0.003%        |
| 31        | 6.414       | 1576          | 1578        | 1584         | rVB3     | 580            | 384           | 0.03%           | 0.003%        |
| 32        | 6.530       | 1603          | 1614        | 1629         | rVB3     | 19329          | 35968         | 2.37%           | 0.301%        |
| 33        | 6.587       | 1630          | 1632        | 1637         | rVB3     | 498            | 333           | 0.02%           | 0.003%        |
| 34        | 6.690       | 1649          | 1664        | 1682         | rBV      | 375608         | 734096        | 48.32%          | 6.138%        |
| 35        | 6.886       | 1722          | 1725        | 1731         | rVB2     | 573            | 478           | 0.03%           | 0.004%        |
| 36        | 7.041       | 1767          | 1773        | 1774         | rBV2     | 512            | 414           | 0.03%           | 0.003%        |

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 F5J58

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Integrator: RTE

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Filtering: 5

Sampling : 1

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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\_U\Method\SFAMULM092022WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 7.124  | 1795 | 1799 | 1800 | rBV  | 393    | 246     | 0.02%  | 0.002% |
| 38 | 7.185  | 1807 | 1818 | 1827 | rBV6 | 2085   | 4273    | 0.28%  | 0.036% |
| 39 | 7.250  | 1832 | 1838 | 1841 | rBV2 | 215    | 243     | 0.02%  | 0.002% |
| 40 | 7.491  | 1909 | 1913 | 1914 | rBV  | 374    | 271     | 0.02%  | 0.002% |
| 41 | 7.565  | 1922 | 1936 | 1956 | rBV  | 183214 | 321100  | 21.14% | 2.685% |
| 42 | 7.803  | 2003 | 2010 | 2013 | rVV4 | 731    | 876     | 0.06%  | 0.007% |
| 43 | 7.896  | 2025 | 2039 | 2055 | rBV  | 632678 | 1079930 | 71.09% | 9.030% |
| 44 | 8.124  | 2106 | 2110 | 2114 | rVB3 | 386    | 334     | 0.02%  | 0.003% |
| 45 | 8.179  | 2114 | 2127 | 2149 | rBV  | 131534 | 228692  | 15.05% | 1.912% |
| 46 | 8.436  | 2204 | 2207 | 2209 | rBV3 | 486    | 286     | 0.02%  | 0.002% |
| 47 | 8.475  | 2211 | 2219 | 2231 | rVB5 | 2167   | 3566    | 0.23%  | 0.030% |
| 48 | 8.552  | 2231 | 2243 | 2255 | rBV2 | 45731  | 77859   | 5.13%  | 0.651% |
| 49 | 8.632  | 2256 | 2268 | 2301 | rBV3 | 465307 | 976408  | 64.27% | 8.164% |
| 50 | 8.970  | 2371 | 2373 | 2379 | rVB4 | 724    | 467     | 0.03%  | 0.004% |
| 51 | 9.230  | 2451 | 2454 | 2458 | rBV3 | 462    | 307     | 0.02%  | 0.003% |
| 52 | 9.301  | 2472 | 2476 | 2480 | rVB2 | 302    | 257     | 0.02%  | 0.002% |
| 53 | 9.324  | 2480 | 2483 | 2485 | rBV3 | 431    | 270     | 0.02%  | 0.002% |
| 54 | 9.417  | 2499 | 2512 | 2536 | rBV  | 625572 | 1038819 | 68.38% | 8.686% |
| 55 | 9.568  | 2555 | 2559 | 2568 | rVB6 | 966    | 1167    | 0.08%  | 0.010% |
| 56 | 9.671  | 2588 | 2591 | 2592 | rBV2 | 467    | 257     | 0.02%  | 0.002% |
| 57 | 9.742  | 2610 | 2613 | 2619 | rVB  | 426    | 282     | 0.02%  | 0.002% |
| 58 | 9.816  | 2633 | 2636 | 2639 | rBV  | 343    | 249     | 0.02%  | 0.002% |
| 59 | 10.002 | 2693 | 2694 | 2698 | rVB  | 555    | 293     | 0.02%  | 0.002% |
| 60 | 10.047 | 2701 | 2708 | 2710 | rBV2 | 481    | 565     | 0.04%  | 0.005% |
| 61 | 10.108 | 2718 | 2727 | 2732 | rBV4 | 1103   | 1390    | 0.09%  | 0.012% |
| 62 | 10.147 | 2736 | 2739 | 2741 | rVB2 | 437    | 238     | 0.02%  | 0.002% |
| 63 | 10.639 | 2888 | 2892 | 2895 | rBV2 | 520    | 442     | 0.03%  | 0.004% |
| 64 | 10.661 | 2895 | 2899 | 2900 | rBV2 | 738    | 458     | 0.03%  | 0.004% |
| 65 | 10.754 | 2915 | 2928 | 2948 | rBV  | 556309 | 903283  | 59.46% | 7.553% |
| 66 | 10.861 | 2958 | 2961 | 2963 | rBV2 | 463    | 331     | 0.02%  | 0.003% |
| 67 | 10.890 | 2963 | 2970 | 2979 | rVB3 | 3527   | 4991    | 0.33%  | 0.042% |
| 68 | 10.960 | 2989 | 2992 | 2995 | rBV  | 311    | 278     | 0.02%  | 0.002% |
| 69 | 11.079 | 3026 | 3029 | 3030 | rBV  | 470    | 240     | 0.02%  | 0.002% |
| 70 | 11.163 | 3046 | 3055 | 3073 | rBV6 | 6090   | 13182   | 0.87%  | 0.110% |
| 71 | 11.455 | 3138 | 3146 | 3159 | rVB9 | 3042   | 6223    | 0.41%  | 0.052% |
| 72 | 11.616 | 3186 | 3196 | 3207 | rVB9 | 4313   | 6962    | 0.46%  | 0.058% |
| 73 | 11.716 | 3212 | 3227 | 3229 | rBV8 | 4656   | 7321    | 0.48%  | 0.061% |
| 74 | 11.745 | 3229 | 3236 | 3244 | rVV4 | 19689  | 33088   | 2.18%  | 0.277% |
| 75 | 11.809 | 3245 | 3256 | 3274 | rVV  | 559813 | 906415  | 59.67% | 7.579% |
| 76 | 11.909 | 3276 | 3287 | 3301 | rVB8 | 21382  | 47359   | 3.12%  | 0.396% |

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Integration Parameters: LSCINT.P

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Start Thrs: 0.2

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 11.963 | 3301 | 3304 | 3312 | rBV6 | 1166   | 1397    | 0.09%  | 0.012% |
| 78  | 12.066 | 3325 | 3336 | 3355 | rBV6 | 12593  | 30183   | 1.99%  | 0.252% |
| 79  | 12.192 | 3362 | 3375 | 3404 | rBV  | 646090 | 1049444 | 69.08% | 8.775% |
| 80  | 12.455 | 3449 | 3457 | 3469 | rBV6 | 10770  | 16181   | 1.07%  | 0.135% |
| 81  | 12.504 | 3469 | 3472 | 3476 | rVB4 | 1059   | 837     | 0.06%  | 0.007% |
| 82  | 12.533 | 3476 | 3481 | 3483 | rBV3 | 697    | 664     | 0.04%  | 0.006% |
| 83  | 12.639 | 3509 | 3514 | 3515 | rBV3 | 991    | 942     | 0.06%  | 0.008% |
| 84  | 12.693 | 3529 | 3531 | 3535 | rVB  | 481    | 295     | 0.02%  | 0.002% |
| 85  | 12.729 | 3538 | 3542 | 3544 | rBV  | 852    | 551     | 0.04%  | 0.005% |
| 86  | 12.841 | 3567 | 3577 | 3588 | rBV2 | 63788  | 100596  | 6.62%  | 0.841% |
| 87  | 13.066 | 3643 | 3647 | 3648 | rBV2 | 526    | 364     | 0.02%  | 0.003% |
| 88  | 13.098 | 3655 | 3657 | 3663 | rVB3 | 862    | 628     | 0.04%  | 0.005% |
| 89  | 13.140 | 3667 | 3670 | 3671 | rBV  | 405    | 239     | 0.02%  | 0.002% |
| 90  | 13.214 | 3687 | 3693 | 3694 | rBV2 | 883    | 798     | 0.05%  | 0.007% |
| 91  | 13.346 | 3731 | 3734 | 3736 | rBV2 | 512    | 321     | 0.02%  | 0.003% |
| 92  | 13.623 | 3816 | 3820 | 3825 | rVB3 | 689    | 681     | 0.04%  | 0.006% |
| 93  | 13.661 | 3828 | 3832 | 3834 | rBV2 | 477    | 426     | 0.03%  | 0.004% |
| 94  | 13.735 | 3845 | 3855 | 3865 | rBV5 | 12444  | 20612   | 1.36%  | 0.172% |
| 95  | 13.835 | 3878 | 3886 | 3897 | rBV6 | 9443   | 15385   | 1.01%  | 0.129% |
| 96  | 13.934 | 3909 | 3917 | 3927 | rBV6 | 1937   | 2720    | 0.18%  | 0.023% |
| 97  | 14.034 | 3940 | 3948 | 3959 | rBV6 | 8630   | 13234   | 0.87%  | 0.111% |
| 98  | 14.095 | 3963 | 3967 | 3974 | rBV4 | 1081   | 1158    | 0.08%  | 0.010% |
| 99  | 14.330 | 4036 | 4040 | 4041 | rBV2 | 795    | 569     | 0.04%  | 0.005% |
| 100 | 15.941 | 4538 | 4541 | 4543 | rBV3 | 1115   | 712     | 0.05%  | 0.006% |

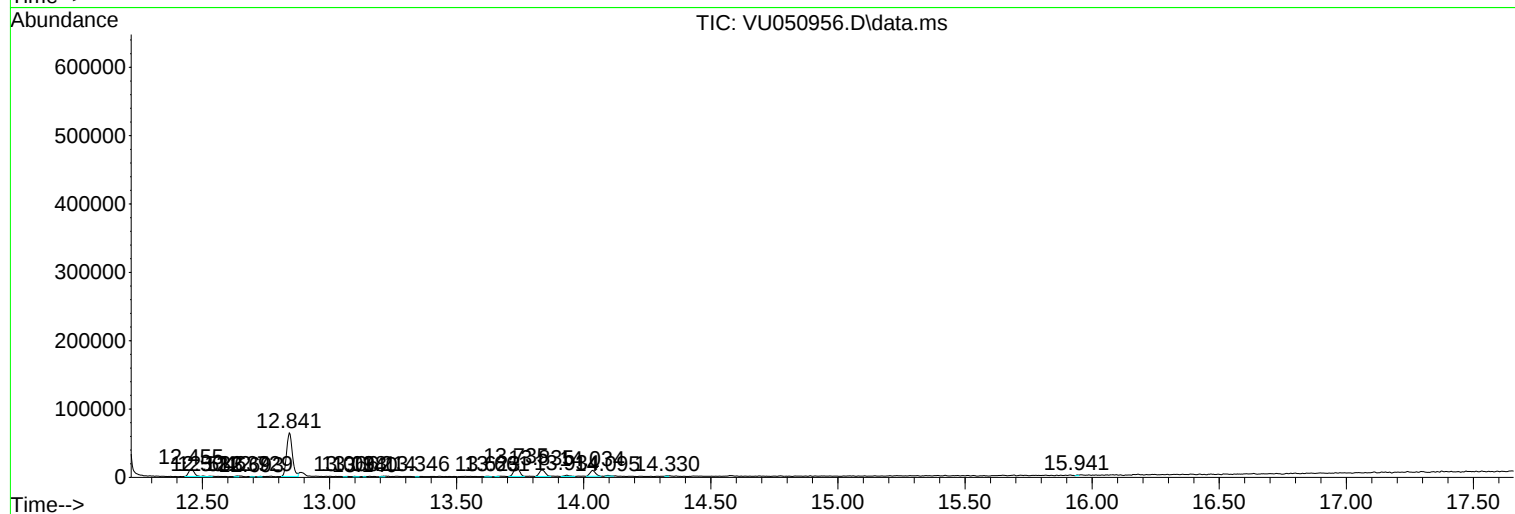
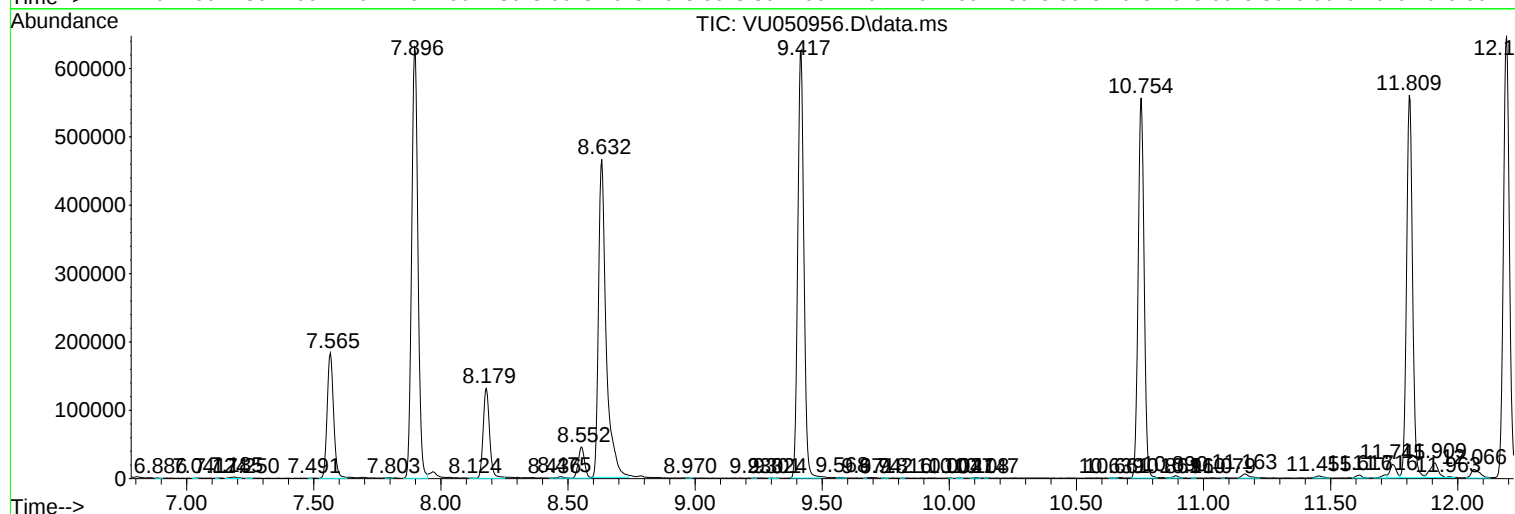
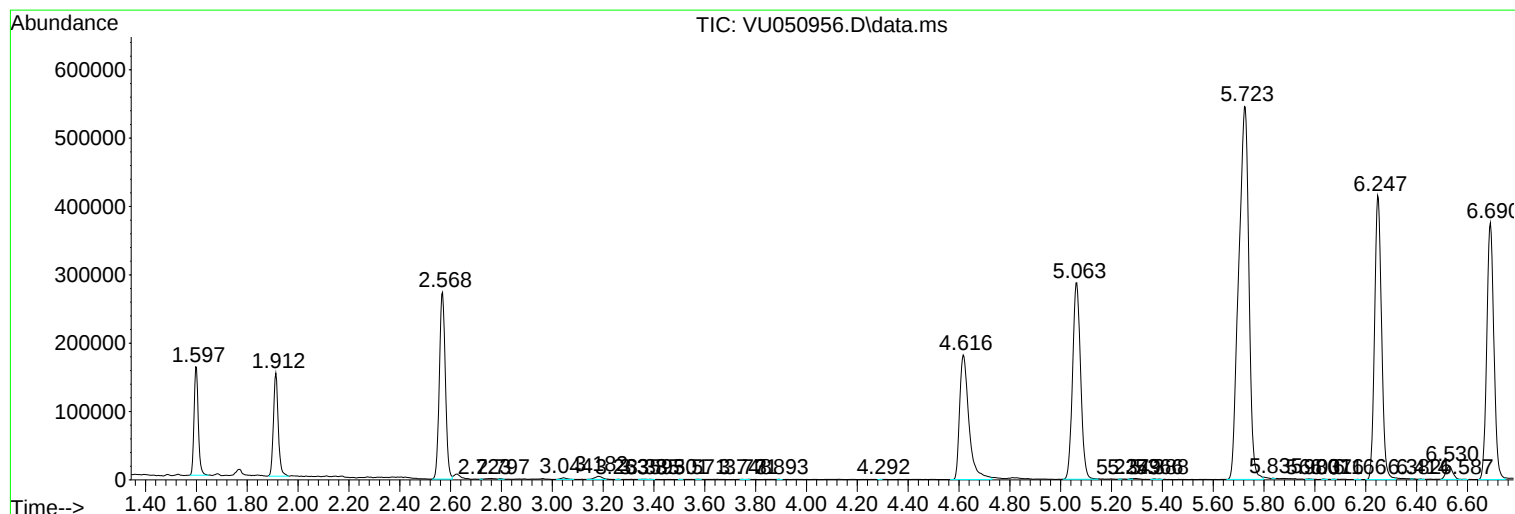
Sum of corrected areas: 11959355

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Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092722\  
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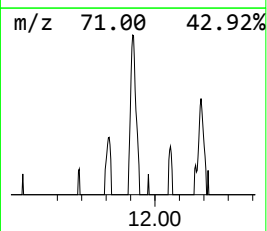
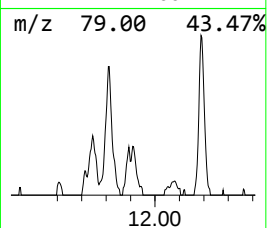
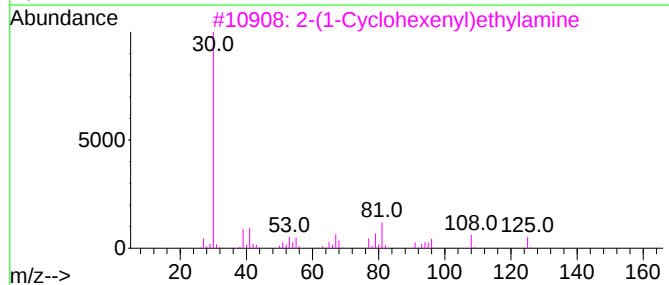
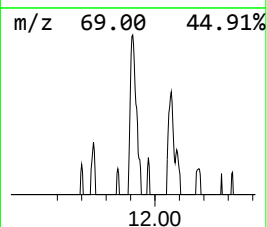
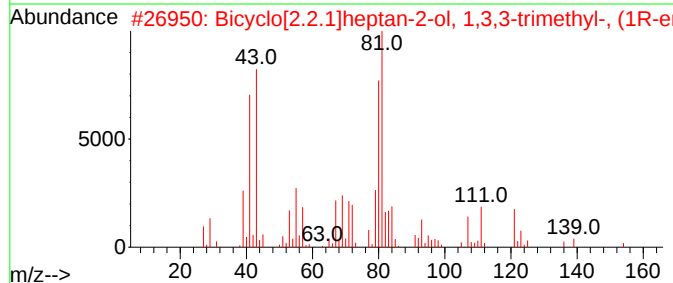
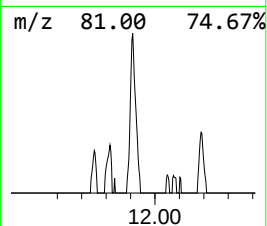
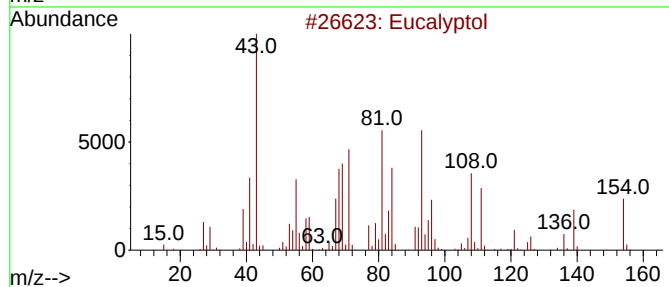
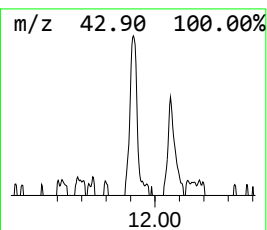
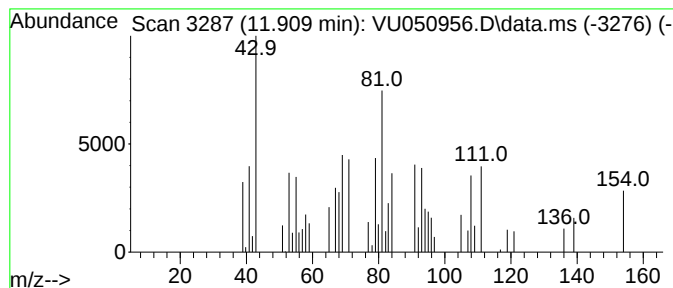
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 11.909 | 2.61 ug/L | 47359 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Eucalyptol                          | 154 | C10H18O  | 000470-82-6  | 87   |
| 2    |    |   | Bicyclo[2.2.1]heptan-2-ol, 1,3,3... | 154 | C10H18O  | 002217-02-9  | 35   |
| 3    |    |   | 2-(1-Cyclohexenyl)ethylamine        | 125 | C8H15N   | 003399-73-3  | 35   |
| 4    |    |   | 9-(3,3-Dimethyloxiran-2-yl)-2,7-... | 238 | C15H26O2 | 1000192-15-6 | 35   |
| 5    |    |   | 4-Penten-2-one, 3-cyclohexyl-       | 166 | C11H18O  | 055702-54-0  | 27   |



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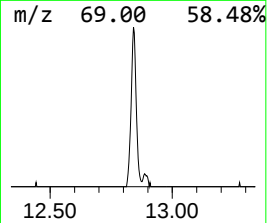
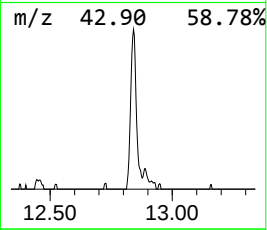
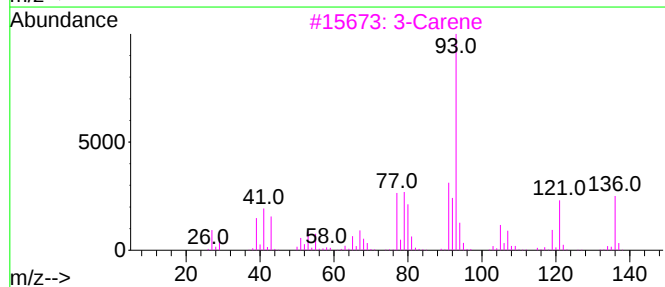
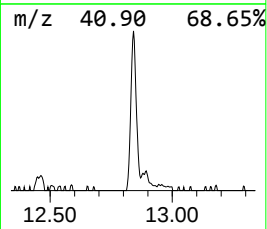
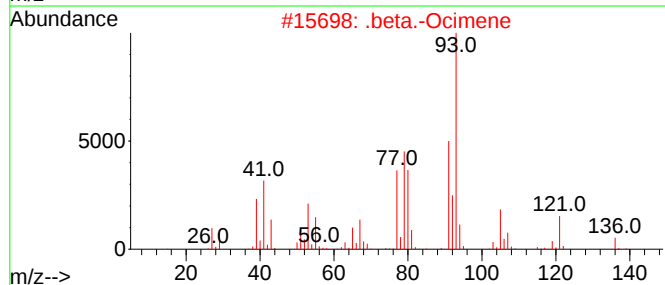
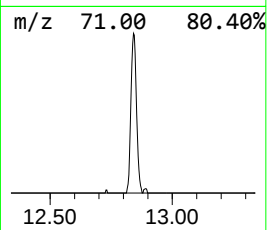
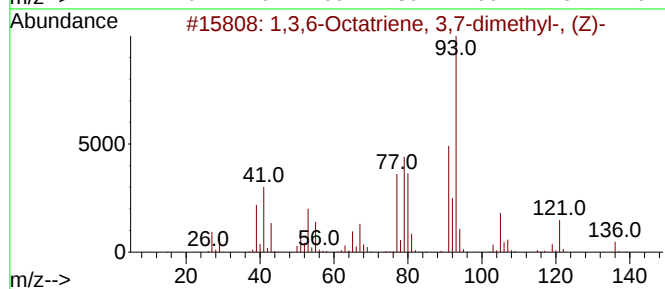
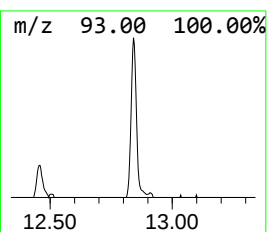
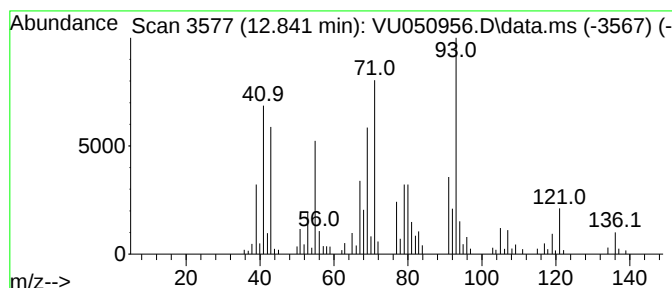
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 3 1,3,6-Octatriene, 3,7-dimet... Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------------|---------|-------------|--------|
| 12.841    | 5.55 ug/L                           | 100596 | 1,4-Dichlorobenzene-d4 |         |             | 11.812 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | 1,3,6-Octatriene, 3,7-dimethyl,-... |        | 136                    | C10H16  | 003338-55-4 | 86     |
| 2         | .beta.-Ocimene                      |        | 136                    | C10H16  | 013877-91-3 | 86     |
| 3         | 3-Carene                            |        | 136                    | C10H16  | 013466-78-9 | 64     |
| 4         | 3-Carene                            |        | 136                    | C10H16  | 013466-78-9 | 64     |
| 5         | 4-Carene, (1S,3R,6R)-(-)-           |        | 136                    | C10H16  | 005208-49-1 | 64     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092722\  
Data File : VU050956.D  
Acq On : 27 Sep 2022 14:57  
Operator : JC/MD  
Sample : N4854-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F5J58

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Eucalyptol         | 11.909 | 2.6     | ug/L  | 47359    | 3                     | 11.812 | 906415 | 50.0 |
| 1,3,6-Octatrien... | 12.841 | 5.5     | ug/L  | 100596   | 3                     | 11.812 | 906415 | 50.0 |