

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073024\  
 Data File : VX042751.D  
 Acq On : 30 Jul 2024 19:49  
 Operator : JC/MD  
 Sample : P3378-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0B24

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\_X\Method\SFAMXML072624WMA.M  
 Title : VOC Analysis

Signal : TIC: VX042751.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         | 1.246       | 23            | 26          | 28           | rBV      | 4865           | 6230          | 1.27%           | 0.170%        |
| 2         | 1.368       | 43            | 46          | 57           | rVB      | 47619          | 56541         | 11.52%          | 1.546%        |
| 3         | 1.648       | 89            | 92          | 96           | rVB      | 27900          | 29750         | 6.06%           | 0.813%        |
| 4         | 2.294       | 192           | 198         | 210          | rBV      | 103898         | 163106        | 33.24%          | 4.459%        |
| 5         | 2.642       | 253           | 255         | 257          | rBV      | 172            | 165           | 0.03%           | 0.005%        |
| 6         | 2.715       | 265           | 267         | 269          | rVB      | 266            | 172           | 0.04%           | 0.005%        |
| 7         | 2.788       | 275           | 279         | 280          | rBV2     | 962            | 778           | 0.16%           | 0.021%        |
| 8         | 2.940       | 298           | 304         | 305          | rBV2     | 1230           | 1934          | 0.39%           | 0.053%        |
| 9         | 3.318       | 362           | 366         | 368          | rBV      | 154            | 234           | 0.05%           | 0.006%        |
| 10        | 3.398       | 376           | 379         | 380          | rBV      | 187            | 223           | 0.05%           | 0.006%        |
| 11        | 3.605       | 410           | 413         | 414          | rBB      | 195            | 161           | 0.03%           | 0.004%        |
| 12        | 3.666       | 421           | 423         | 424          | rBV      | 191            | 190           | 0.04%           | 0.005%        |
| 13        | 3.800       | 443           | 445         | 449          | rBB2     | 230            | 267           | 0.05%           | 0.007%        |
| 14        | 3.830       | 449           | 450         | 455          | rBV      | 214            | 300           | 0.06%           | 0.008%        |
| 15        | 4.093       | 492           | 493         | 495          | rBV      | 175            | 170           | 0.03%           | 0.005%        |
| 16        | 4.196       | 508           | 510         | 513          | rBV      | 314            | 341           | 0.07%           | 0.009%        |
| 17        | 4.355       | 534           | 536         | 539          | rBV      | 198            | 254           | 0.05%           | 0.007%        |
| 18        | 4.410       | 542           | 545         | 546          | rBV      | 185            | 180           | 0.04%           | 0.005%        |
| 19        | 4.471       | 547           | 555         | 571          | rBV2     | 32734          | 97928         | 19.96%          | 2.677%        |
| 20        | 4.794       | 607           | 608         | 612          | rBV      | 296            | 368           | 0.07%           | 0.010%        |
| 21        | 4.952       | 633           | 634         | 636          | rBV      | 206            | 171           | 0.03%           | 0.005%        |
| 22        | 5.056       | 641           | 651         | 665          | rVV      | 65086          | 197241        | 40.19%          | 5.393%        |
| 23        | 5.379       | 700           | 704         | 705          | rBV      | 228            | 247           | 0.05%           | 0.007%        |
| 24        | 5.806       | 772           | 774         | 777          | rVB      | 243            | 189           | 0.04%           | 0.005%        |
| 25        | 5.836       | 777           | 779         | 780          | rBV      | 183            | 148           | 0.03%           | 0.004%        |
| 26        | 5.964       | 790           | 800         | 816          | rBV3     | 165554         | 490716        | 100.00%         | 13.416%       |
| 27        | 6.269       | 849           | 850         | 853          | rVV      | 235            | 217           | 0.04%           | 0.006%        |
| 28        | 6.318       | 856           | 858         | 860          | rBV      | 193            | 211           | 0.04%           | 0.006%        |
| 29        | 6.428       | 873           | 876         | 877          | rBV      | 160            | 163           | 0.03%           | 0.004%        |
| 30        | 6.440       | 877           | 878         | 883          | rVV2     | 384            | 480           | 0.10%           | 0.013%        |
| 31        | 6.489       | 883           | 886         | 887          | rVB2     | 272            | 220           | 0.04%           | 0.006%        |
| 32        | 6.617       | 903           | 907         | 910          | rBV      | 191            | 322           | 0.07%           | 0.009%        |
| 33        | 6.653       | 912           | 913         | 916          | rBV      | 171            | 197           | 0.04%           | 0.005%        |
| 34        | 6.763       | 922           | 931         | 942          | rBV      | 136341         | 326468        | 66.53%          | 8.926%        |
| 35        | 7.110       | 983           | 988         | 990          | rBV3     | 944            | 1449          | 0.30%           | 0.040%        |
| 36        | 7.312       | 1012          | 1021        | 1031         | rBV      | 95921          | 215753        | 43.97%          | 5.899%        |

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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\_X\Method\SFAMXML072624WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 7.488  | 1049 | 1050 | 1052 | rBV  | 387    | 234    | 0.05%  | 0.006%  |
| 38 | 7.568  | 1062 | 1063 | 1067 | rBV  | 197    | 259    | 0.05%  | 0.007%  |
| 39 | 7.781  | 1093 | 1098 | 1102 | rBV2 | 225    | 517    | 0.11%  | 0.014%  |
| 40 | 7.940  | 1121 | 1124 | 1126 | rBB2 | 237    | 267    | 0.05%  | 0.007%  |
| 41 | 7.982  | 1127 | 1131 | 1137 | rBV2 | 228    | 502    | 0.10%  | 0.014%  |
| 42 | 8.220  | 1167 | 1170 | 1172 | rBV  | 182    | 234    | 0.05%  | 0.006%  |
| 43 | 8.244  | 1172 | 1174 | 1175 | rVB  | 351    | 214    | 0.04%  | 0.006%  |
| 44 | 8.269  | 1175 | 1178 | 1179 | rBV  | 204    | 169    | 0.03%  | 0.005%  |
| 45 | 8.324  | 1182 | 1187 | 1200 | rBV  | 58449  | 99089  | 20.19% | 2.709%  |
| 46 | 8.647  | 1234 | 1240 | 1248 | rBV  | 243941 | 384439 | 78.34% | 10.510% |
| 47 | 8.915  | 1282 | 1284 | 1285 | rBV  | 280    | 222    | 0.05%  | 0.006%  |
| 48 | 8.952  | 1285 | 1290 | 1302 | rVV2 | 38937  | 61822  | 12.60% | 1.690%  |
| 49 | 9.080  | 1308 | 1311 | 1313 | rBV  | 161    | 169    | 0.03%  | 0.005%  |
| 50 | 9.214  | 1330 | 1333 | 1336 | rBV2 | 255    | 376    | 0.08%  | 0.010%  |
| 51 | 9.311  | 1347 | 1349 | 1354 | rBV  | 228    | 263    | 0.05%  | 0.007%  |
| 52 | 9.384  | 1357 | 1361 | 1373 | rBV  | 137327 | 212900 | 43.39% | 5.821%  |
| 53 | 9.720  | 1413 | 1416 | 1420 | rBV2 | 232    | 443    | 0.09%  | 0.012%  |
| 54 | 10.055 | 1466 | 1471 | 1481 | rBV  | 275276 | 374713 | 76.36% | 10.245% |
| 55 | 10.207 | 1492 | 1496 | 1501 | rVB5 | 599    | 1096   | 0.22%  | 0.030%  |
| 56 | 10.366 | 1521 | 1522 | 1525 | rBB  | 286    | 244    | 0.05%  | 0.007%  |
| 57 | 10.396 | 1525 | 1527 | 1529 | rBB  | 221    | 163    | 0.03%  | 0.004%  |
| 58 | 10.457 | 1535 | 1537 | 1539 | rVV  | 235    | 182    | 0.04%  | 0.005%  |
| 59 | 10.488 | 1540 | 1542 | 1545 | rVB  | 183    | 162    | 0.03%  | 0.004%  |
| 60 | 10.610 | 1561 | 1562 | 1565 | rBV  | 182    | 225    | 0.05%  | 0.006%  |
| 61 | 10.640 | 1565 | 1567 | 1571 | rBV2 | 810    | 1061   | 0.22%  | 0.029%  |
| 62 | 10.787 | 1588 | 1591 | 1593 | rBV2 | 538    | 459    | 0.09%  | 0.013%  |
| 63 | 10.866 | 1601 | 1604 | 1608 | rBV3 | 584    | 884    | 0.18%  | 0.024%  |
| 64 | 11.030 | 1628 | 1631 | 1633 | rBV  | 250    | 326    | 0.07%  | 0.009%  |
| 65 | 11.097 | 1640 | 1642 | 1644 | rBB  | 242    | 192    | 0.04%  | 0.005%  |
| 66 | 11.189 | 1652 | 1657 | 1667 | rVV  | 179917 | 238202 | 48.54% | 6.512%  |
| 67 | 11.311 | 1674 | 1677 | 1681 | rVB2 | 726    | 1034   | 0.21%  | 0.028%  |
| 68 | 11.384 | 1686 | 1689 | 1693 | rBV  | 275    | 426    | 0.09%  | 0.012%  |
| 69 | 11.561 | 1715 | 1718 | 1721 | rBV  | 227    | 283    | 0.06%  | 0.008%  |
| 70 | 11.695 | 1738 | 1740 | 1742 | rBV  | 239    | 278    | 0.06%  | 0.008%  |
| 71 | 11.756 | 1747 | 1750 | 1751 | rBV  | 908    | 810    | 0.17%  | 0.022%  |
| 72 | 11.841 | 1761 | 1764 | 1765 | rBV  | 274    | 246    | 0.05%  | 0.007%  |
| 73 | 11.933 | 1775 | 1779 | 1782 | rBV  | 485    | 806    | 0.16%  | 0.022%  |
| 74 | 12.024 | 1788 | 1794 | 1803 | rBV  | 246966 | 318547 | 64.91% | 8.709%  |
| 75 | 12.219 | 1822 | 1826 | 1832 | rVB2 | 5040   | 6662   | 1.36%  | 0.182%  |
| 76 | 12.317 | 1837 | 1842 | 1853 | rBV  | 244191 | 313391 | 63.86% | 8.568%  |

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Integration Parameters: LSCINT.P

Integrator: RTE

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\_X\Method\SFAMXML072624WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 12.506 | 1871 | 1873 | 1876 | rBV2 | 283   | 333   | 0.07% | 0.009% |
| 78  | 12.542 | 1877 | 1879 | 1882 | rVV  | 258   | 264   | 0.05% | 0.007% |
| 79  | 12.603 | 1885 | 1889 | 1893 | rVV  | 518   | 828   | 0.17% | 0.023% |
| 80  | 12.768 | 1908 | 1916 | 1917 | rBV  | 1349  | 2168  | 0.44% | 0.059% |
| 81  | 12.987 | 1950 | 1952 | 1955 | rBV  | 332   | 425   | 0.09% | 0.012% |
| 82  | 13.189 | 1983 | 1985 | 1987 | rBV  | 336   | 326   | 0.07% | 0.009% |
| 83  | 13.378 | 2015 | 2016 | 2019 | rVB2 | 341   | 246   | 0.05% | 0.007% |
| 84  | 13.402 | 2019 | 2020 | 2023 | rVB  | 289   | 232   | 0.05% | 0.006% |
| 85  | 13.445 | 2024 | 2027 | 2029 | rBV  | 259   | 287   | 0.06% | 0.008% |
| 86  | 13.786 | 2079 | 2083 | 2087 | rBV  | 1028  | 1077  | 0.22% | 0.029% |
| 87  | 14.097 | 2131 | 2134 | 2135 | rBV  | 309   | 262   | 0.05% | 0.007% |
| 88  | 14.127 | 2137 | 2139 | 2145 | rVB2 | 1091  | 1720  | 0.35% | 0.047% |
| 89  | 14.176 | 2145 | 2147 | 2149 | rBV  | 233   | 267   | 0.05% | 0.007% |
| 90  | 14.268 | 2159 | 2162 | 2164 | rVB  | 310   | 266   | 0.05% | 0.007% |
| 91  | 14.292 | 2164 | 2166 | 2167 | rBV  | 259   | 213   | 0.04% | 0.006% |
| 92  | 14.353 | 2174 | 2176 | 2178 | rBB  | 237   | 227   | 0.05% | 0.006% |
| 93  | 14.377 | 2178 | 2180 | 2181 | rBV  | 301   | 198   | 0.04% | 0.005% |
| 94  | 14.499 | 2199 | 2200 | 2203 | rBV2 | 173   | 155   | 0.03% | 0.004% |
| 95  | 14.640 | 2220 | 2223 | 2224 | rBV  | 190   | 183   | 0.04% | 0.005% |
| 96  | 14.780 | 2244 | 2246 | 2252 | rVB2 | 1631  | 1811  | 0.37% | 0.050% |
| 97  | 14.908 | 2265 | 2267 | 2269 | rBV  | 272   | 233   | 0.05% | 0.006% |
| 98  | 15.261 | 2318 | 2325 | 2326 | rBV3 | 384   | 790   | 0.16% | 0.022% |
| 99  | 15.658 | 2389 | 2390 | 2392 | rBV  | 350   | 177   | 0.04% | 0.005% |
| 100 | 16.328 | 2494 | 2500 | 2507 | rVB2 | 15666 | 29003 | 5.91% | 0.793% |

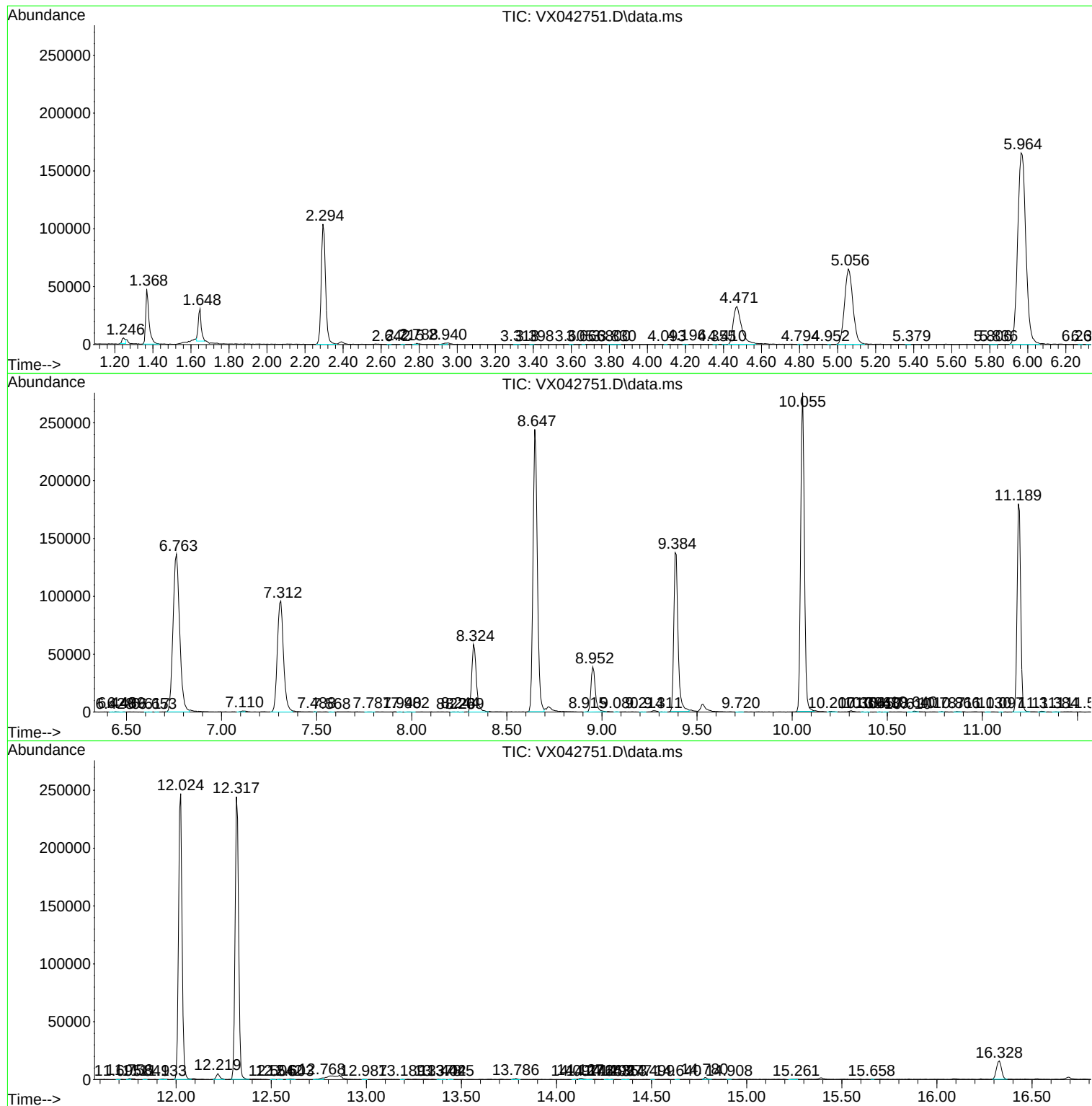
Sum of corrected areas: 3657686

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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
Quant Title : VOC Analysis

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



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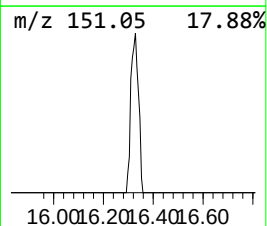
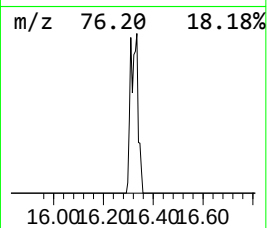
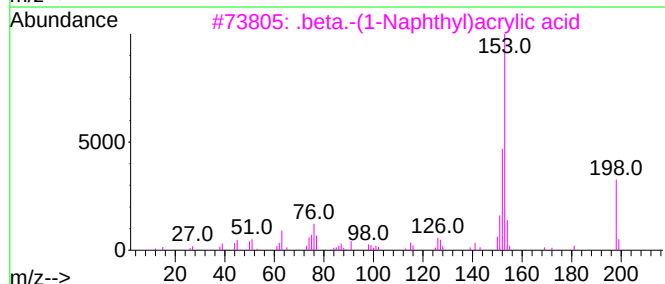
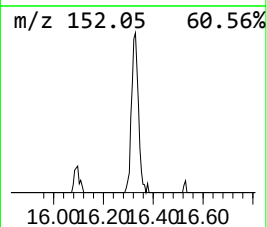
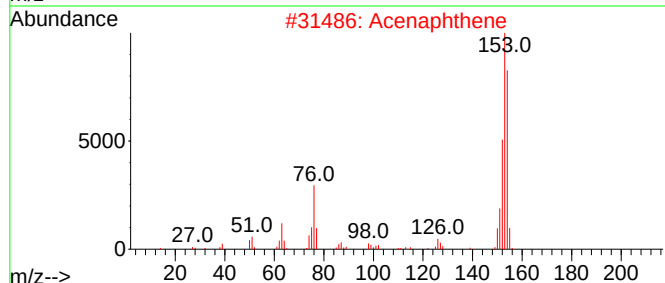
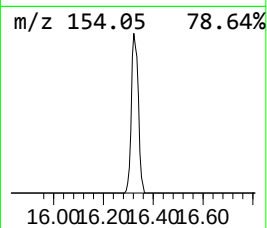
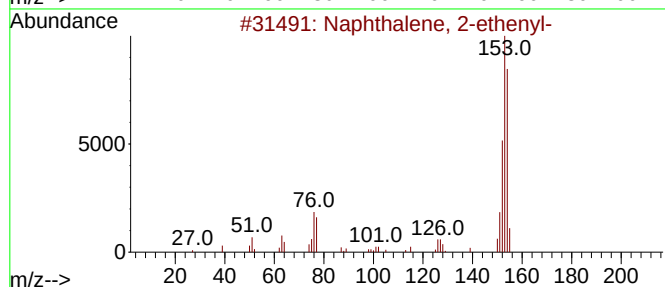
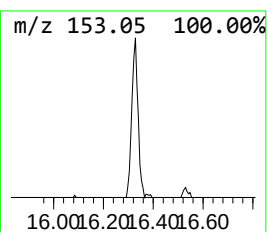
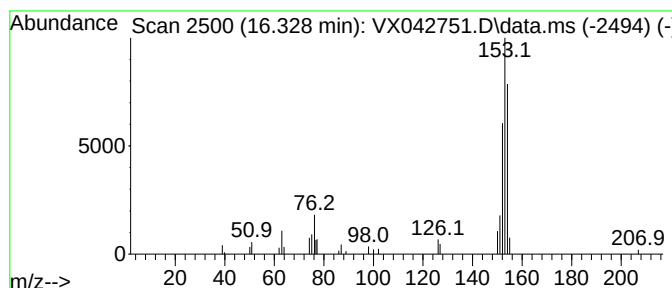
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 Naphthalene, 2-ethenyl- Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.328 | 4.55 ug/L | 29003 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 2-ethenyl-         | 154 | C12H10   | 000827-54-3 | 76   |
| 2    |    |   | Acenaphthene                    | 154 | C12H10   | 000083-32-9 | 62   |
| 3    |    |   | .beta.-(1-Naphthyl)acrylic acid | 198 | C13H10O2 | 013026-12-5 | 50   |
| 4    |    |   | .beta.-(1-Naphthyl)acrylic acid | 198 | C13H10O2 | 013026-12-5 | 50   |
| 5    |    |   | Acenaphthene                    | 154 | C12H10   | 000083-32-9 | 49   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Naphthalene, 2-... | 16.328 | 4.5     | ug/L  | 29003    | 3                     | 12.024 | 318547 | 50.0 |