

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
 Data File : VW031447.D  
 Acq On : 20 Dec 2024 23:51  
 Operator : SY/MD  
 Sample : P5302-18  
 Misc : 7.38g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E2AQ2

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\_W\Method\SFAMWLM121324SMA.M  
 Title : SFAM01.0

Signal : TIC: VW031447.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         | 2.168       | 40            | 46          | 47           | rBV3     | 6549           | 9995          | 0.18%           | 0.038%        |
| 2         | 2.357       | 70            | 77          | 91           | rBV      | 370024         | 759816        | 13.50%          | 2.890%        |
| 3         | 2.893       | 157           | 165         | 181          | rBV      | 269192         | 713787        | 12.68%          | 2.715%        |
| 4         | 3.375       | 242           | 244         | 245          | rBV2     | 1128           | 921           | 0.02%           | 0.004%        |
| 5         | 3.588       | 275           | 279         | 281          | rBV4     | 702            | 1051          | 0.02%           | 0.004%        |
| 6         | 3.686       | 292           | 295         | 298          | rVV5     | 903            | 1153          | 0.02%           | 0.004%        |
| 7         | 3.838       | 318           | 320         | 323          | rVB4     | 1439           | 1281          | 0.02%           | 0.005%        |
| 8         | 3.881       | 323           | 327         | 331          | rBV7     | 1327           | 2473          | 0.04%           | 0.009%        |
| 9         | 4.015       | 337           | 349         | 367          | rBV      | 668604         | 1800645       | 31.99%          | 6.848%        |
| 10        | 4.728       | 464           | 466         | 471          | rVB6     | 1075           | 1085          | 0.02%           | 0.004%        |
| 11        | 4.899       | 488           | 494         | 495          | rBV5     | 3142           | 4471          | 0.08%           | 0.017%        |
| 12        | 5.368       | 568           | 571         | 573          | rBV3     | 941            | 1151          | 0.02%           | 0.004%        |
| 13        | 5.496       | 590           | 592         | 596          | rVB5     | 1105           | 1289          | 0.02%           | 0.005%        |
| 14        | 5.551       | 599           | 601         | 604          | rVB3     | 949            | 1047          | 0.02%           | 0.004%        |
| 15        | 5.698       | 621           | 625         | 627          | rBV5     | 740            | 1039          | 0.02%           | 0.004%        |
| 16        | 5.771       | 634           | 637         | 642          | rVB6     | 1228           | 2155          | 0.04%           | 0.008%        |
| 17        | 5.935       | 656           | 664         | 665          | rBV5     | 2151           | 4122          | 0.07%           | 0.016%        |
| 18        | 6.185       | 701           | 705         | 707          | rVV5     | 900            | 1299          | 0.02%           | 0.005%        |
| 19        | 6.289       | 719           | 722         | 726          | rBV5     | 823            | 1218          | 0.02%           | 0.005%        |
| 20        | 6.594       | 767           | 772         | 773          | rBV4     | 982            | 1414          | 0.03%           | 0.005%        |
| 21        | 6.685       | 783           | 787         | 790          | rBV7     | 939            | 1647          | 0.03%           | 0.006%        |
| 22        | 6.911       | 817           | 824         | 825          | rBV6     | 933            | 1491          | 0.03%           | 0.006%        |
| 23        | 6.935       | 825           | 828         | 830          | rBV4     | 856            | 1003          | 0.02%           | 0.004%        |
| 24        | 7.088       | 841           | 853         | 875          | rBV2     | 142261         | 516826        | 9.18%           | 1.966%        |
| 25        | 7.350       | 894           | 896         | 899          | rVB4     | 1437           | 1277          | 0.02%           | 0.005%        |
| 26        | 7.374       | 899           | 900         | 903          | rVB3     | 908            | 930           | 0.02%           | 0.004%        |
| 27        | 7.447       | 903           | 912         | 919          | rBV4     | 6069           | 15928         | 0.28%           | 0.061%        |
| 28        | 7.648       | 934           | 945         | 958          | rBV      | 880720         | 2213416       | 39.32%          | 8.418%        |
| 29        | 8.008       | 1001          | 1004        | 1005         | rBV2     | 993            | 1148          | 0.02%           | 0.004%        |
| 30        | 8.057       | 1008          | 1012        | 1015         | rBV6     | 573            | 989           | 0.02%           | 0.004%        |
| 31        | 8.276       | 1033          | 1048        | 1073         | rBV2     | 1865488        | 5628763       | 100.00%         | 21.407%       |
| 32        | 8.697       | 1115          | 1117        | 1121         | rVV5     | 1139           | 1318          | 0.02%           | 0.005%        |
| 33        | 8.770       | 1127          | 1129        | 1130         | rBV2     | 974            | 982           | 0.02%           | 0.004%        |
| 34        | 8.849       | 1136          | 1142        | 1143         | rBV6     | 1179           | 1662          | 0.03%           | 0.006%        |
| 35        | 9.075       | 1173          | 1179        | 1188         | rVB2     | 10524          | 24117         | 0.43%           | 0.092%        |
| 36        | 9.191       | 1196          | 1198        | 1200         | rVB3     | 1297           | 1065          | 0.02%           | 0.004%        |

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ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
E2AQ2

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\_W\Method\SFAMWLM121324SMA.M  
Title : SFAM01.0

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 9.270  | 1200 | 1211 | 1221 | rBV  | 1250437 | 2546568 | 45.24% | 9.685%  |
| 38 | 9.514  | 1247 | 1251 | 1253 | rBV4 | 1910    | 3052    | 0.05%  | 0.012%  |
| 39 | 9.746  | 1284 | 1289 | 1290 | rBV3 | 1517    | 2128    | 0.04%  | 0.008%  |
| 40 | 9.886  | 1304 | 1312 | 1318 | rVB4 | 3625    | 7720    | 0.14%  | 0.029%  |
| 41 | 9.947  | 1318 | 1322 | 1323 | rBV3 | 1354    | 1805    | 0.03%  | 0.007%  |
| 42 | 10.032 | 1328 | 1336 | 1351 | rBV  | 727176  | 1276044 | 22.67% | 4.853%  |
| 43 | 10.209 | 1359 | 1365 | 1369 | rBV2 | 5640    | 11703   | 0.21%  | 0.045%  |
| 44 | 10.319 | 1375 | 1383 | 1391 | rBV  | 2585458 | 4488542 | 79.74% | 17.071% |
| 45 | 10.575 | 1418 | 1425 | 1438 | rBV  | 449311  | 769719  | 13.67% | 2.927%  |
| 46 | 10.697 | 1438 | 1445 | 1452 | rVB  | 17899   | 34777   | 0.62%  | 0.132%  |
| 47 | 10.758 | 1454 | 1455 | 1461 | rVB4 | 1106    | 1275    | 0.02%  | 0.005%  |
| 48 | 10.855 | 1465 | 1471 | 1476 | rBV6 | 8144    | 17341   | 0.31%  | 0.066%  |
| 49 | 10.922 | 1476 | 1482 | 1499 | rVV  | 625880  | 1048552 | 18.63% | 3.988%  |
| 50 | 11.062 | 1500 | 1505 | 1515 | rVV3 | 9003    | 20900   | 0.37%  | 0.079%  |
| 51 | 11.172 | 1519 | 1523 | 1527 | rVB5 | 2684    | 3636    | 0.06%  | 0.014%  |
| 52 | 11.239 | 1532 | 1534 | 1536 | rBV3 | 1256    | 1013    | 0.02%  | 0.004%  |
| 53 | 11.428 | 1560 | 1565 | 1573 | rVB  | 12964   | 23622   | 0.42%  | 0.090%  |
| 54 | 11.629 | 1592 | 1598 | 1600 | rBV6 | 3432    | 5782    | 0.10%  | 0.022%  |
| 55 | 11.721 | 1606 | 1613 | 1620 | rVB4 | 4805    | 9539    | 0.17%  | 0.036%  |
| 56 | 11.837 | 1625 | 1632 | 1640 | rVB2 | 7537    | 17013   | 0.30%  | 0.065%  |
| 57 | 12.160 | 1680 | 1685 | 1693 | rBV4 | 4780    | 9578    | 0.17%  | 0.036%  |
| 58 | 12.428 | 1726 | 1729 | 1730 | rBV3 | 948     | 1112    | 0.02%  | 0.004%  |
| 59 | 12.459 | 1730 | 1734 | 1745 | rVB3 | 2996    | 7100    | 0.13%  | 0.027%  |
| 60 | 12.599 | 1748 | 1757 | 1764 | rBV2 | 18556   | 37206   | 0.66%  | 0.142%  |
| 61 | 12.690 | 1764 | 1772 | 1780 | rBV  | 880834  | 1477216 | 26.24% | 5.618%  |
| 62 | 12.794 | 1787 | 1789 | 1792 | rVB3 | 2399    | 2396    | 0.04%  | 0.009%  |
| 63 | 12.855 | 1796 | 1799 | 1805 | rBV6 | 2061    | 3389    | 0.06%  | 0.013%  |
| 64 | 12.928 | 1808 | 1811 | 1812 | rBV3 | 2740    | 2981    | 0.05%  | 0.011%  |
| 65 | 13.007 | 1819 | 1824 | 1825 | rBV5 | 1166    | 1736    | 0.03%  | 0.007%  |
| 66 | 13.111 | 1832 | 1841 | 1847 | rBV9 | 6668    | 14957   | 0.27%  | 0.057%  |
| 67 | 13.184 | 1850 | 1853 | 1858 | rVV  | 6080    | 9091    | 0.16%  | 0.035%  |
| 68 | 13.239 | 1858 | 1862 | 1867 | rVV  | 6424    | 11646   | 0.21%  | 0.044%  |
| 69 | 13.300 | 1867 | 1872 | 1877 | rVB4 | 7089    | 13211   | 0.23%  | 0.050%  |
| 70 | 13.397 | 1879 | 1888 | 1894 | rBV3 | 10131   | 20697   | 0.37%  | 0.079%  |
| 71 | 13.471 | 1898 | 1900 | 1902 | rBV3 | 1225    | 922     | 0.02%  | 0.004%  |
| 72 | 13.556 | 1909 | 1914 | 1916 | rBV4 | 6423    | 11350   | 0.20%  | 0.043%  |
| 73 | 13.586 | 1917 | 1919 | 1928 | rVB3 | 9227    | 19177   | 0.34%  | 0.073%  |
| 74 | 13.757 | 1940 | 1947 | 1951 | rBV7 | 5719    | 13459   | 0.24%  | 0.051%  |
| 75 | 13.849 | 1954 | 1962 | 1976 | rBV  | 1560464 | 2508556 | 44.57% | 9.541%  |
| 76 | 14.056 | 1991 | 1996 | 2008 | rVB  | 15464   | 30771   | 0.55%  | 0.117%  |

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 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E2AQ2

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\_W\Method\SFAMWLM121324SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 14.196 | 2015 | 2019 | 2022 | rBV4 | 1683  | 2151  | 0.04% | 0.008% |
| 78  | 14.287 | 2031 | 2034 | 2035 | rBV2 | 1372  | 1471  | 0.03% | 0.006% |
| 79  | 14.324 | 2038 | 2040 | 2043 | rVB3 | 1180  | 1109  | 0.02% | 0.004% |
| 80  | 14.403 | 2049 | 2053 | 2056 | rBV6 | 1108  | 1476  | 0.03% | 0.006% |
| 81  | 14.452 | 2056 | 2061 | 2063 | rVB6 | 1154  | 1674  | 0.03% | 0.006% |
| 82  | 14.501 | 2063 | 2069 | 2070 | rBV4 | 836   | 1571  | 0.03% | 0.006% |
| 83  | 14.623 | 2087 | 2089 | 2094 | rVB6 | 1364  | 1870  | 0.03% | 0.007% |
| 84  | 14.684 | 2094 | 2099 | 2101 | rBV4 | 1510  | 2652  | 0.05% | 0.010% |
| 85  | 14.720 | 2101 | 2105 | 2108 | rVB5 | 3415  | 4356  | 0.08% | 0.017% |
| 86  | 14.787 | 2110 | 2116 | 2123 | rBV9 | 2950  | 6778  | 0.12% | 0.026% |
| 87  | 14.964 | 2143 | 2145 | 2148 | rVB4 | 1252  | 1012  | 0.02% | 0.004% |
| 88  | 15.056 | 2158 | 2160 | 2162 | rBV3 | 1205  | 1255  | 0.02% | 0.005% |
| 89  | 15.202 | 2182 | 2184 | 2188 | rVB5 | 722   | 1072  | 0.02% | 0.004% |
| 90  | 15.367 | 2207 | 2211 | 2213 | rBV4 | 1376  | 2313  | 0.04% | 0.009% |
| 91  | 15.428 | 2215 | 2221 | 2226 | rVV  | 21214 | 36978 | 0.66% | 0.141% |
| 92  | 15.677 | 2259 | 2262 | 2267 | rVB6 | 1782  | 2519  | 0.04% | 0.010% |
| 93  | 15.836 | 2285 | 2288 | 2293 | rVB7 | 1912  | 3571  | 0.06% | 0.014% |
| 94  | 16.007 | 2314 | 2316 | 2319 | rBV3 | 1154  | 1446  | 0.03% | 0.005% |
| 95  | 16.257 | 2355 | 2357 | 2360 | rVB3 | 1191  | 1408  | 0.03% | 0.005% |
| 96  | 16.391 | 2378 | 2379 | 2383 | rVB4 | 1304  | 1444  | 0.03% | 0.005% |
| 97  | 16.421 | 2383 | 2384 | 2387 | rBV3 | 1013  | 1079  | 0.02% | 0.004% |
| 98  | 16.452 | 2387 | 2389 | 2390 | rBV2 | 1181  | 942   | 0.02% | 0.004% |
| 99  | 16.622 | 2414 | 2417 | 2418 | rBV3 | 1182  | 1101  | 0.02% | 0.004% |
| 100 | 16.665 | 2422 | 2424 | 2426 | rBV3 | 931   | 935   | 0.02% | 0.004% |

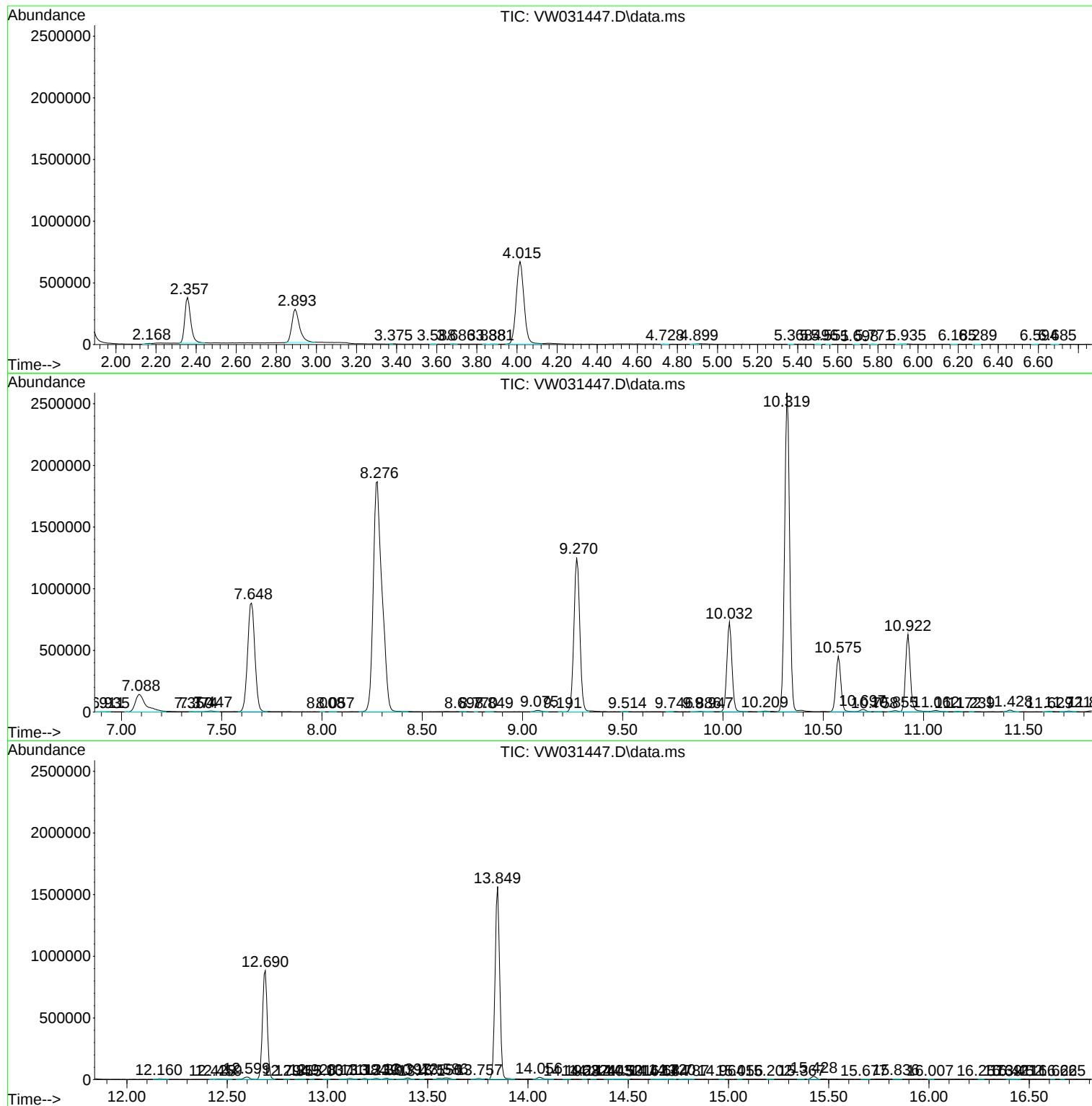
Sum of corrected areas: 26293439

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
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ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
E2AQ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
Quant Title : SFAM01.0

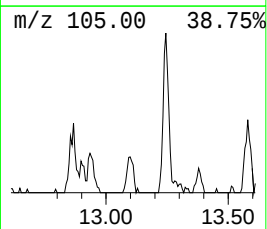
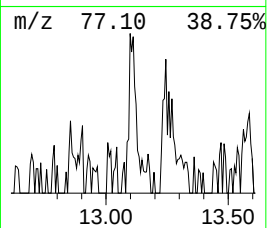
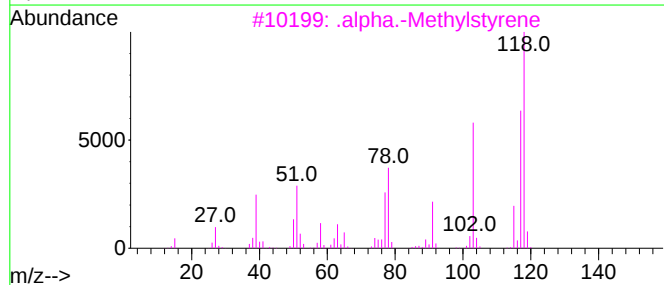
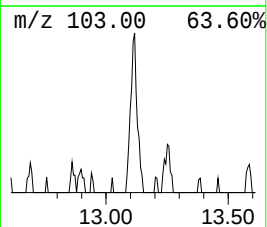
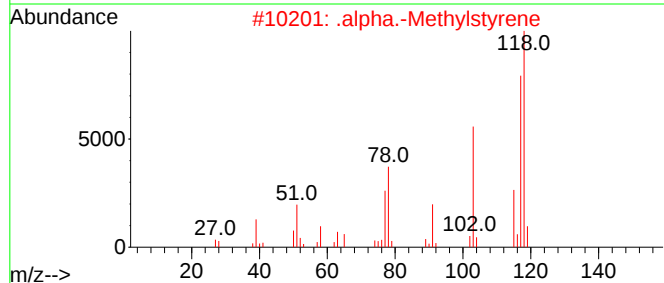
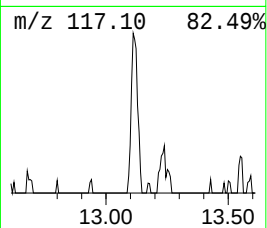
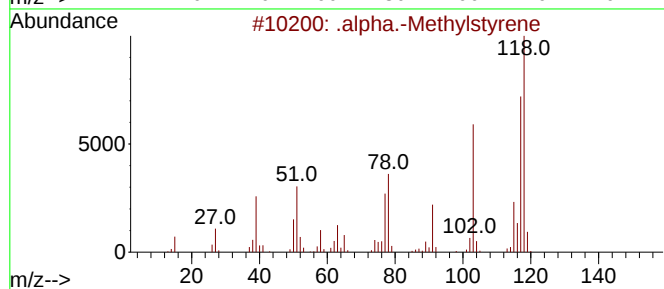
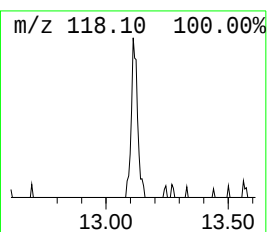
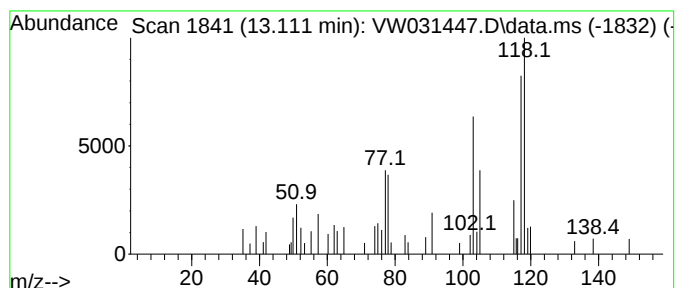
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 47 .alpha.-Methylstyrene Concentration Rank 16

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.111 | 32.94 ug/L | 14957 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of                                  | 5                    | Tentative ID | MW          | MolForm     | CAS# | Qual |
|------|-------------------------------------|----------------------|--------------|-------------|-------------|------|------|
| 1    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 90   |      |
| 2    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 70   |      |
| 3    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 62   |      |
| 4    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118                  | C9H10        | 022250-74-4 | 60          |      |      |
| 5    | .                                   | alpha.-Methylstyrene | 118          | C9H10       | 000098-83-9 | 52   |      |



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ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

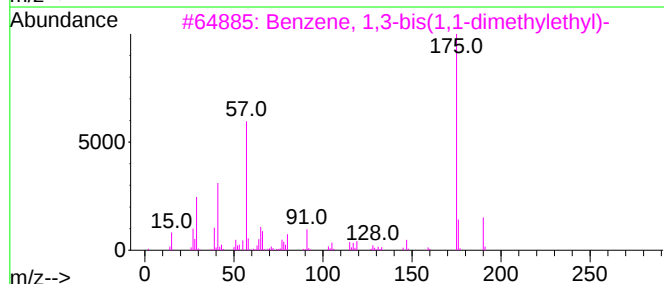
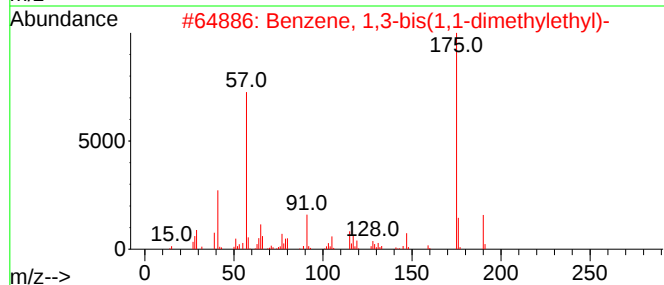
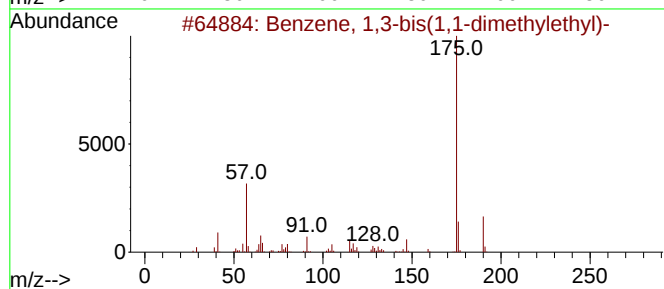
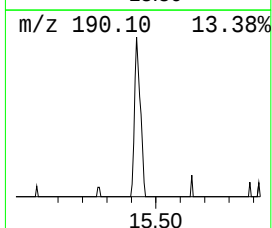
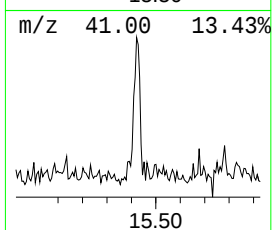
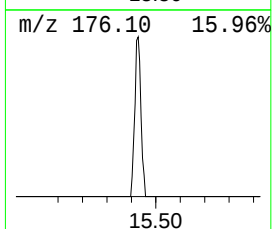
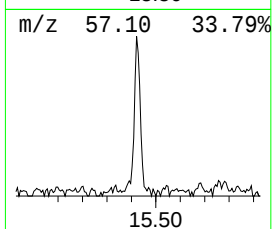
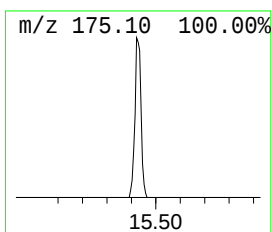
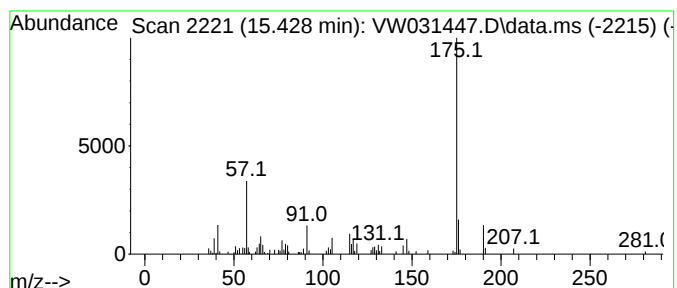
TIC Integration Parameters: LSCINT.P

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Peak Number 69 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 10

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.428 | 81.45 ug/L | 36978 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 93   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 91   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 83   |
| 4    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 83   |
| 5    |    |   | m-Cymene, 5-tert-butyl-             | 190 | C14H22  | 029577-19-3 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
Data File : VW031447.D  
Acq On : 20 Dec 2024 23:51  
Operator : SY/MD  
Sample : P5302-18  
Misc : 7.38g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
E2AQ2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
Quant Title : SFAM01.0

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |       |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|-------|------|
|                    |        |         |       |          | #                     | RT     | Resp  | Conc |
| .alpha.-Methyls... | 13.111 | 32.9    | ug/L  | 14957    | 3                     | 13.550 | 11350 | 25.0 |
| Benzene, 1,3-bi... | 15.428 | 81.5    | ug/L  | 36978    | 3                     | 13.550 | 11350 | 25.0 |