

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
 Data File : VW030216.D  
 Acq On : 24 Sep 2024 11:40  
 Operator : SY/MD  
 Sample : P4109-12DL 2X  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4E63DL

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Title : SFAM01.0

Signal : TIC: VW030216.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         | 2.155       | 41            | 44          | 45           | rBV2     | 765            | 947           | 0.06%           | 0.004%        |
| 2         | 2.180       | 45            | 48          | 49           | rBV3     | 951            | 1176          | 0.08%           | 0.005%        |
| 3         | 2.363       | 68            | 78          | 90           | rBV      | 68625          | 191735        | 12.71%          | 0.891%        |
| 4         | 2.899       | 158           | 166         | 185          | rBV      | 48472          | 147326        | 9.76%           | 0.685%        |
| 5         | 3.393       | 240           | 247         | 255          | rVB4     | 2311           | 5568          | 0.37%           | 0.026%        |
| 6         | 3.588       | 277           | 279         | 283          | rBV2     | 323            | 441           | 0.03%           | 0.002%        |
| 7         | 3.856       | 320           | 323         | 325          | rBV2     | 349            | 437           | 0.03%           | 0.002%        |
| 8         | 4.033       | 339           | 352         | 364          | rBV4     | 199168         | 708021        | 46.92%          | 3.290%        |
| 9         | 4.533       | 432           | 434         | 437          | rVB3     | 524            | 649           | 0.04%           | 0.003%        |
| 10        | 4.618       | 437           | 448         | 467          | rBV2     | 17292          | 65985         | 4.37%           | 0.307%        |
| 11        | 4.795       | 475           | 477         | 483          | rVB3     | 498            | 761           | 0.05%           | 0.004%        |
| 12        | 4.917       | 483           | 497         | 525          | rBV      | 188437         | 662412        | 43.90%          | 3.078%        |
| 13        | 5.429       | 565           | 581         | 603          | rBV      | 165952         | 542898        | 35.98%          | 2.523%        |
| 14        | 5.740       | 627           | 632         | 634          | rBV3     | 1336           | 1679          | 0.11%           | 0.008%        |
| 15        | 5.947       | 658           | 666         | 673          | rVB6     | 2187           | 6091          | 0.40%           | 0.028%        |
| 16        | 6.222       | 697           | 711         | 726          | rBV      | 219780         | 681467        | 45.16%          | 3.167%        |
| 17        | 6.923       | 824           | 826         | 830          | rVB3     | 373            | 506           | 0.03%           | 0.002%        |
| 18        | 7.008       | 837           | 840         | 843          | rBV2     | 435            | 415           | 0.03%           | 0.002%        |
| 19        | 7.081       | 844           | 852         | 856          | rBV      | 24130          | 58699         | 3.89%           | 0.273%        |
| 20        | 7.173       | 862           | 867         | 888          | rVB      | 69035          | 187813        | 12.45%          | 0.873%        |
| 21        | 7.526       | 922           | 925         | 927          | rBV2     | 390            | 593           | 0.04%           | 0.003%        |
| 22        | 7.673       | 934           | 949         | 963          | rBV4     | 407628         | 1291695       | 85.60%          | 6.003%        |
| 23        | 7.880       | 975           | 983         | 990          | rBV4     | 2916           | 6599          | 0.44%           | 0.031%        |
| 24        | 7.953       | 990           | 995         | 996          | rBV3     | 841            | 953           | 0.06%           | 0.004%        |
| 25        | 8.069       | 1003          | 1014        | 1026         | rBV      | 62763          | 155906        | 10.33%          | 0.725%        |
| 26        | 8.276       | 1034          | 1048        | 1051         | rBV      | 355269         | 855544        | 56.70%          | 3.976%        |
| 27        | 8.325       | 1052          | 1056        | 1072         | rVV      | 582029         | 1244054       | 82.45%          | 5.781%        |
| 28        | 8.441       | 1072          | 1075        | 1077         | rVV3     | 719            | 885           | 0.06%           | 0.004%        |
| 29        | 8.624       | 1101          | 1105        | 1109         | rBV4     | 281            | 472           | 0.03%           | 0.002%        |
| 30        | 8.843       | 1133          | 1141        | 1154         | rVV      | 360399         | 709754        | 47.04%          | 3.298%        |
| 31        | 9.093       | 1172          | 1182        | 1197         | rBV      | 608679         | 1180187       | 78.21%          | 5.485%        |
| 32        | 9.191       | 1197          | 1198        | 1200         | rVV2     | 659            | 407           | 0.03%           | 0.002%        |
| 33        | 9.276       | 1203          | 1212        | 1220         | rVV      | 224777         | 464551        | 30.79%          | 2.159%        |
| 34        | 9.368       | 1220          | 1227        | 1241         | rVB      | 198439         | 390346        | 25.87%          | 1.814%        |
| 35        | 9.544       | 1253          | 1256        | 1259         | rVB2     | 309            | 400           | 0.03%           | 0.002%        |
| 36        | 9.636       | 1267          | 1271        | 1272         | rBV      | 569            | 643           | 0.04%           | 0.003%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
 Data File : VW030216.D  
 Acq On : 24 Sep 2024 11:40  
 Operator : SY/MD  
 Sample : P4109-12DL 2X  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4E63DL

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\SFAMWLM091624SMA.M  
 Title : SFAM01.0

|    |       |      |      |      |      |      |       |       |        |
|----|-------|------|------|------|------|------|-------|-------|--------|
| 37 | 9.697 | 1272 | 1281 | 1288 | rBV  | 8792 | 17834 | 1.18% | 0.083% |
| 38 | 9.813 | 1295 | 1300 | 1302 | rBV2 | 312  | 502   | 0.03% | 0.002% |
| 39 | 9.886 | 1308 | 1312 | 1318 | rVB4 | 416  | 887   | 0.06% | 0.004% |
| 40 | 9.953 | 1322 | 1323 | 1326 | rBV2 | 339  | 440   | 0.03% | 0.002% |

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 41 | 10.038 | 1326 | 1337 | 1338 | rBV | 121535 | 198474 | 13.15% | 0.922% |
| 42 | 10.075 | 1338 | 1343 | 1350 | rVV | 324724 | 611376 | 40.52% | 2.841% |
| 43 | 10.148 | 1351 | 1355 | 1359 | rVV | 7751   | 13607  | 0.90%  | 0.063% |
| 44 | 10.209 | 1359 | 1365 | 1376 | rVV | 207197 | 365953 | 24.25% | 1.701% |
| 45 | 10.325 | 1376 | 1384 | 1392 | rVV | 481454 | 876793 | 58.11% | 4.075% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 46 | 10.605 | 1418 | 1430 | 1439 | rBV2 | 333505 | 689295 | 45.68% | 3.203% |
| 47 | 10.703 | 1439 | 1446 | 1453 | rVV  | 69511  | 127083 | 8.42%  | 0.591% |
| 48 | 10.782 | 1453 | 1459 | 1467 | rVV  | 221359 | 395859 | 26.23% | 1.840% |
| 49 | 10.849 | 1467 | 1470 | 1475 | rVB7 | 2688   | 5067   | 0.34%  | 0.024% |
| 50 | 10.922 | 1475 | 1482 | 1494 | rBV  | 96923  | 166882 | 11.06% | 0.776% |

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 51 | 11.062 | 1498 | 1505 | 1513 | rBV  | 20198 | 33004  | 2.19%  | 0.153% |
| 52 | 11.172 | 1519 | 1523 | 1527 | rBV4 | 3032  | 5260   | 0.35%  | 0.024% |
| 53 | 11.233 | 1527 | 1533 | 1543 | rVB  | 90395 | 159324 | 10.56% | 0.740% |
| 54 | 11.404 | 1556 | 1561 | 1562 | rBV3 | 1887  | 2429   | 0.16%  | 0.011% |
| 55 | 11.434 | 1562 | 1566 | 1575 | rVB2 | 9175  | 14569  | 0.97%  | 0.068% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 56 | 11.629 | 1590 | 1598 | 1608 | rBV  | 494532 | 840044  | 55.67% | 3.904% |
| 57 | 11.727 | 1610 | 1614 | 1620 | rVB6 | 3137   | 5480    | 0.36%  | 0.025% |
| 58 | 11.831 | 1623 | 1631 | 1643 | rBV  | 587899 | 1073828 | 71.17% | 4.990% |
| 59 | 11.983 | 1653 | 1656 | 1659 | rVB2 | 411    | 587     | 0.04%  | 0.003% |
| 60 | 12.160 | 1676 | 1685 | 1695 | rBV  | 836827 | 1370734 | 90.84% | 6.370% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 61 | 12.349 | 1709 | 1716 | 1724 | rVV  | 34572  | 60677  | 4.02%  | 0.282% |
| 62 | 12.465 | 1729 | 1735 | 1743 | rVB4 | 6364   | 11866  | 0.79%  | 0.055% |
| 63 | 12.599 | 1750 | 1757 | 1764 | rBV  | 34608  | 58044  | 3.85%  | 0.270% |
| 64 | 12.702 | 1765 | 1774 | 1780 | rVV3 | 188446 | 525652 | 34.84% | 2.443% |
| 65 | 12.763 | 1780 | 1784 | 1794 | rVB  | 209065 | 347072 | 23.00% | 1.613% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 66 | 12.873 | 1798 | 1802 | 1804 | rBV3 | 447  | 514  | 0.03% | 0.002% |
| 67 | 12.928 | 1807 | 1811 | 1817 | rVB5 | 3068 | 4656 | 0.31% | 0.022% |
| 68 | 13.038 | 1821 | 1829 | 1831 | rBV7 | 1237 | 2498 | 0.17% | 0.012% |
| 69 | 13.074 | 1833 | 1835 | 1840 | rVB5 | 789  | 844  | 0.06% | 0.004% |
| 70 | 13.190 | 1850 | 1854 | 1855 | rBV  | 411  | 410  | 0.03% | 0.002% |

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 71 | 13.245 | 1855 | 1863 | 1868 | rBV5 | 6445   | 12152   | 0.81%   | 0.056% |
| 72 | 13.336 | 1877 | 1878 | 1882 | rVB2 | 415    | 427     | 0.03%   | 0.002% |
| 73 | 13.403 | 1882 | 1889 | 1896 | rVB4 | 905    | 1600    | 0.11%   | 0.007% |
| 74 | 13.495 | 1896 | 1904 | 1909 | rBV  | 448759 | 699611  | 46.36%  | 3.251% |
| 75 | 13.556 | 1909 | 1914 | 1925 | rVB2 | 611223 | 1508924 | 100.00% | 7.012% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 76 | 13.757 | 1940 | 1947 | 1950 | rBV6 | 1236 | 2310 | 0.15% | 0.011% |
|----|--------|------|------|------|------|------|------|-------|--------|

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
 Data File : VW030216.D  
 Acq On : 24 Sep 2024 11:40  
 Operator : SY/MD  
 Sample : P4109-12DL 2X  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4E63DL

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.788 | 1950 | 1952 | 1955 | rVV4 | 977    | 1246   | 0.08%  | 0.006% |
| 78  | 13.848 | 1955 | 1962 | 1975 | rVB  | 423116 | 704194 | 46.67% | 3.273% |
| 79  | 13.940 | 1975 | 1977 | 1979 | rBV3 | 781    | 511    | 0.03%  | 0.002% |
| 80  | 14.013 | 1985 | 1989 | 1991 | rBV3 | 869    | 1028   | 0.07%  | 0.005% |
| 81  | 14.062 | 1991 | 1997 | 2004 | rVB2 | 9656   | 17178  | 1.14%  | 0.080% |
| 82  | 14.184 | 2012 | 2017 | 2021 | rBV3 | 661    | 1170   | 0.08%  | 0.005% |
| 83  | 14.318 | 2036 | 2039 | 2042 | rVV4 | 1473   | 1682   | 0.11%  | 0.008% |
| 84  | 14.348 | 2042 | 2044 | 2049 | rVB4 | 599    | 629    | 0.04%  | 0.003% |
| 85  | 14.483 | 2059 | 2066 | 2076 | rBV2 | 20973  | 37250  | 2.47%  | 0.173% |
| 86  | 14.623 | 2086 | 2089 | 2092 | rVB3 | 1106   | 1482   | 0.10%  | 0.007% |
| 87  | 14.714 | 2102 | 2104 | 2109 | rVB5 | 1536   | 1559   | 0.10%  | 0.007% |
| 88  | 15.123 | 2163 | 2171 | 2180 | rBV  | 164545 | 284328 | 18.84% | 1.321% |
| 89  | 15.360 | 2201 | 2210 | 2217 | rBV  | 380791 | 655567 | 43.45% | 3.047% |
| 90  | 15.427 | 2217 | 2221 | 2226 | rVV  | 8689   | 15818  | 1.05%  | 0.074% |
| 91  | 15.476 | 2226 | 2229 | 2236 | rVV2 | 2858   | 5100   | 0.34%  | 0.024% |
| 92  | 15.543 | 2236 | 2240 | 2246 | rVV6 | 1858   | 3145   | 0.21%  | 0.015% |
| 93  | 15.763 | 2272 | 2276 | 2277 | rBV4 | 531    | 571    | 0.04%  | 0.003% |
| 94  | 15.787 | 2278 | 2280 | 2282 | rVV3 | 726    | 576    | 0.04%  | 0.003% |
| 95  | 15.830 | 2285 | 2287 | 2290 | rBV3 | 424    | 481    | 0.03%  | 0.002% |
| 96  | 15.879 | 2293 | 2295 | 2298 | rVB2 | 966    | 1064   | 0.07%  | 0.005% |
| 97  | 15.915 | 2300 | 2301 | 2304 | rBV3 | 549    | 701    | 0.05%  | 0.003% |
| 98  | 16.275 | 2357 | 2360 | 2363 | rVB3 | 464    | 527    | 0.03%  | 0.002% |
| 99  | 16.311 | 2363 | 2366 | 2368 | rBV3 | 399    | 566    | 0.04%  | 0.003% |
| 100 | 16.464 | 2387 | 2391 | 2393 | rBV3 | 673    | 900    | 0.06%  | 0.004% |

Sum of corrected areas: 21517856

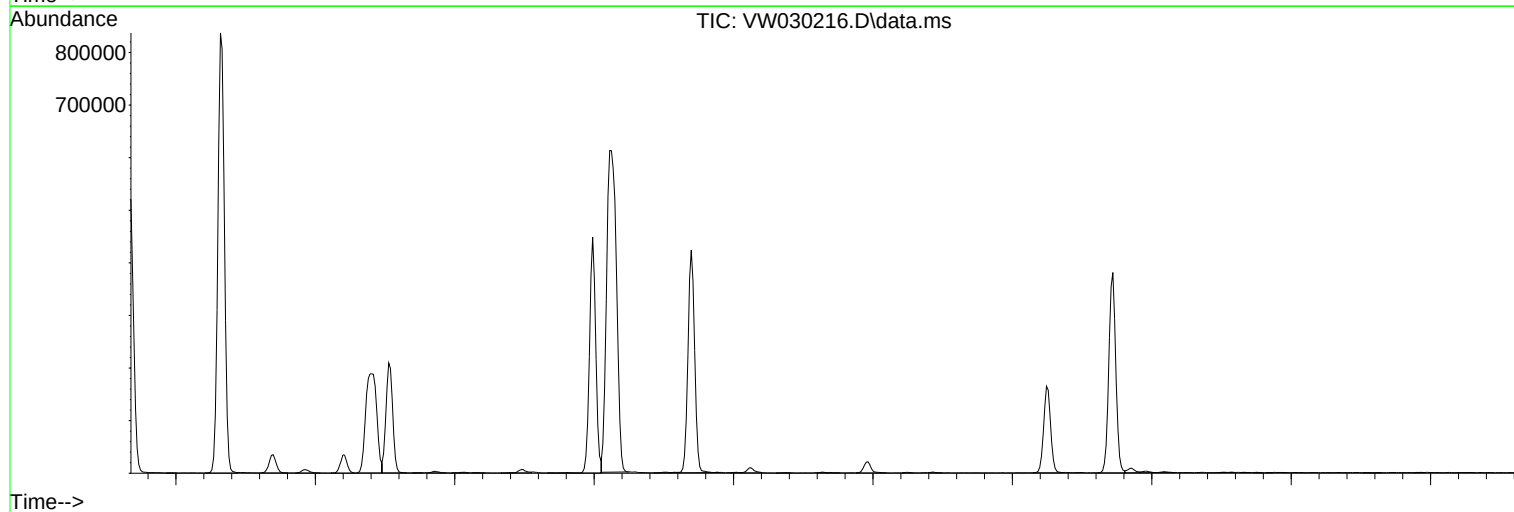
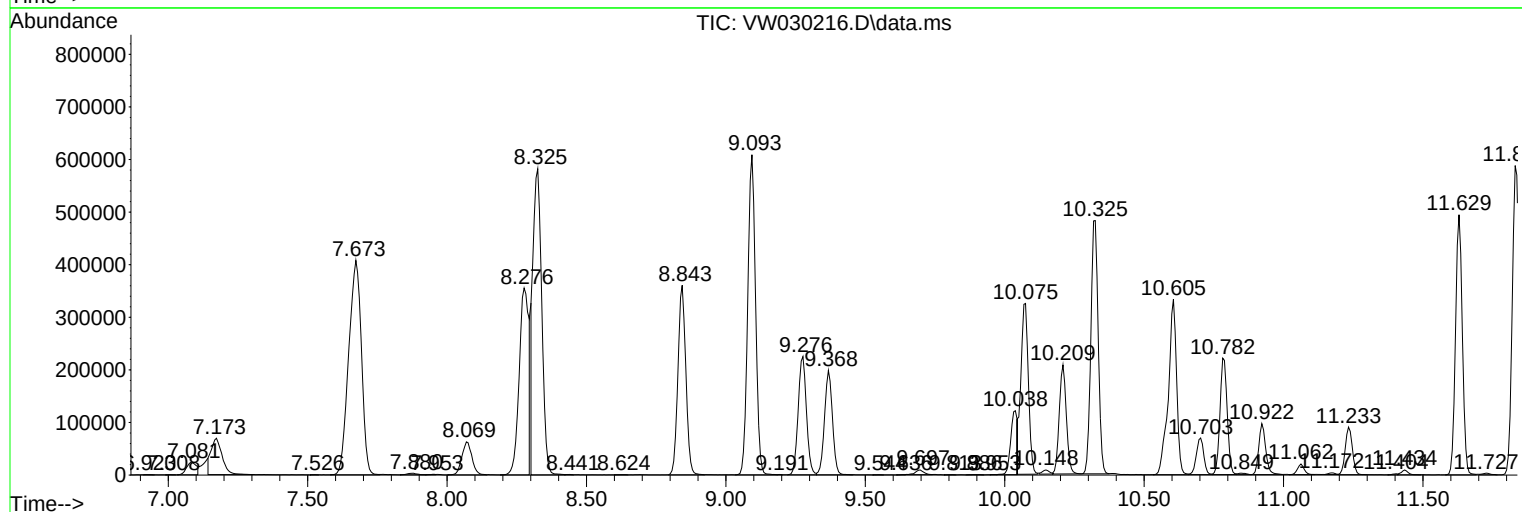
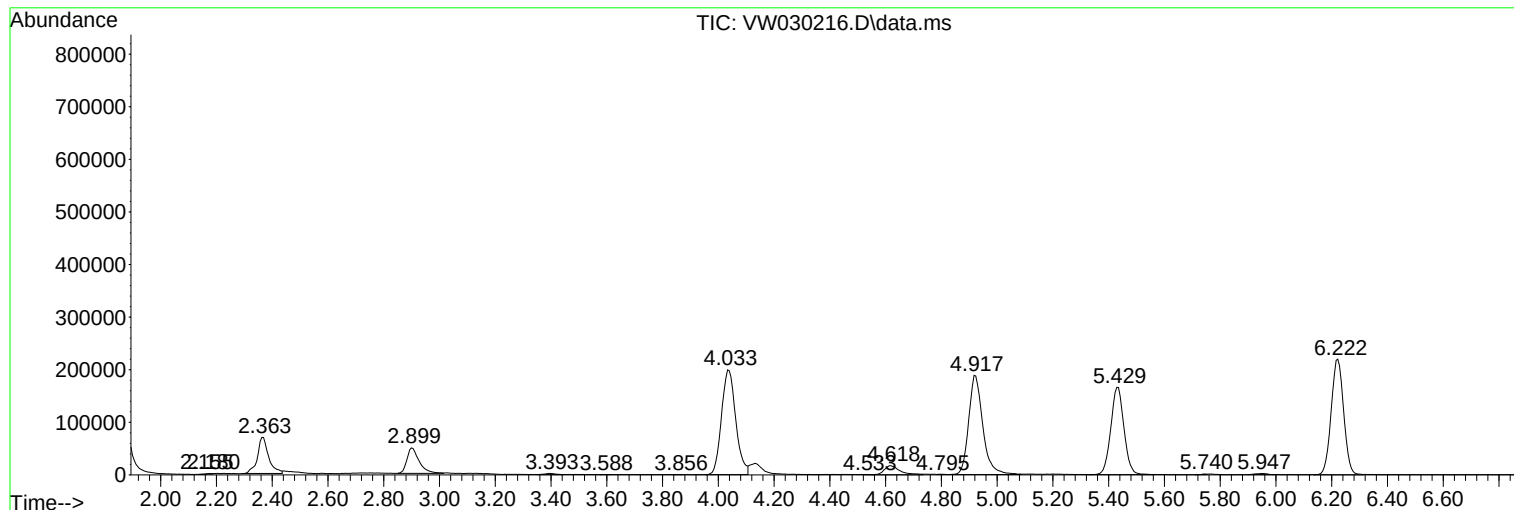
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
Data File : VW030216.D  
Acq On : 24 Sep 2024 11:40  
Operator : SY/MD  
Sample : P4109-12DL 2X  
Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4E63DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
Data File : VW030216.D  
Acq On : 24 Sep 2024 11:40  
Operator : SY/MD  
Sample : P4109-12DL 2X  
Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4E63DL

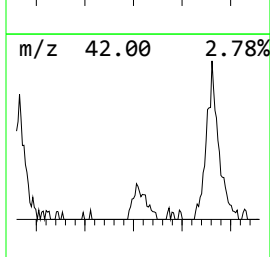
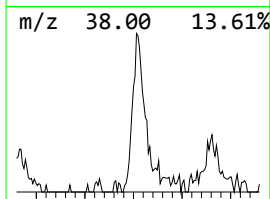
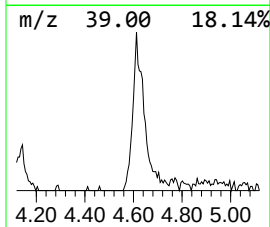
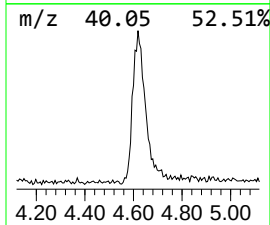
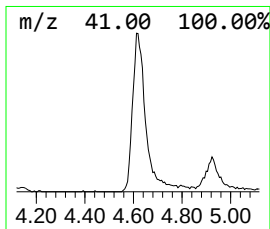
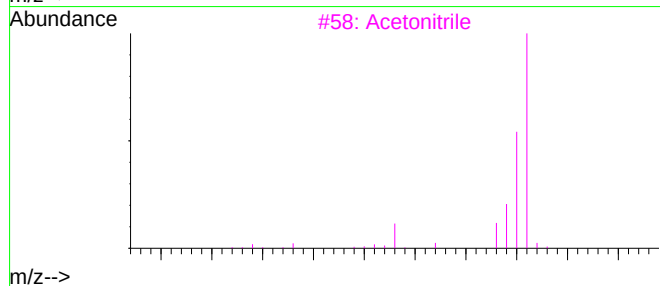
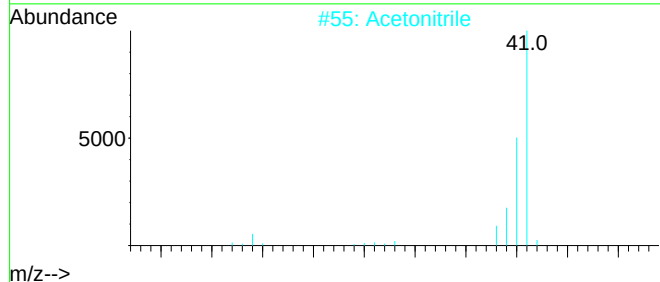
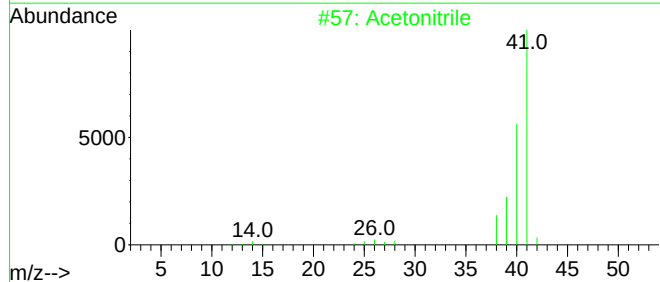
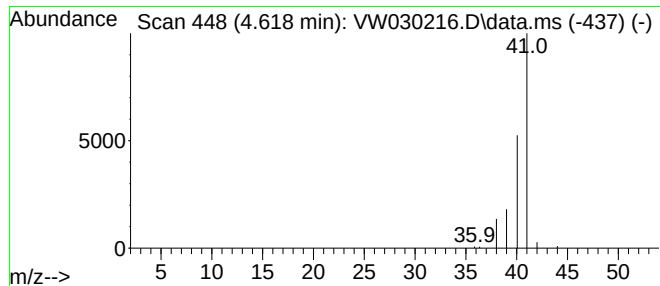
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Acetonitrile Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 4.618 | 2.32 ug/L | 65985 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|-----------|-------------------|----|---------|-------------|------|
| 1         | Acetonitrile      | 41 | C2H3N   | 000075-05-8 | 56   |
| 2         | Acetonitrile      | 41 | C2H3N   | 000075-05-8 | 56   |
| 3         | Acetonitrile      | 41 | C2H3N   | 000075-05-8 | 56   |
| 4         | Methyl isocyanide | 41 | C2H3N   | 000593-75-9 | 56   |
| 5         | Acetonitrile      | 41 | C2H3N   | 000075-05-8 | 7    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
Data File : VW030216.D  
Acq On : 24 Sep 2024 11:40  
Operator : SY/MD  
Sample : P4109-12DL 2X  
Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4E63DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
Quant Title : SFAM01.0

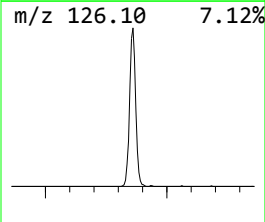
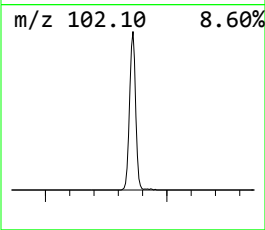
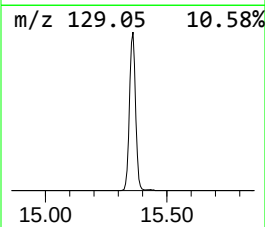
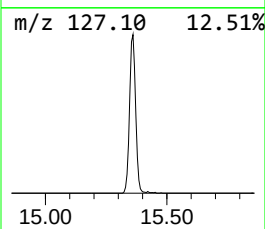
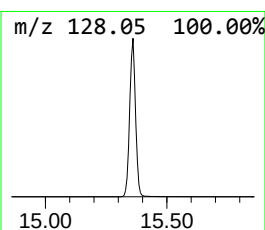
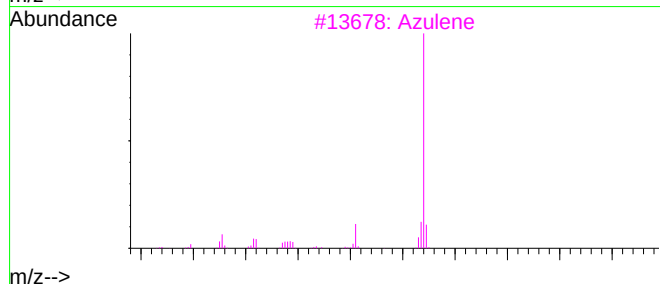
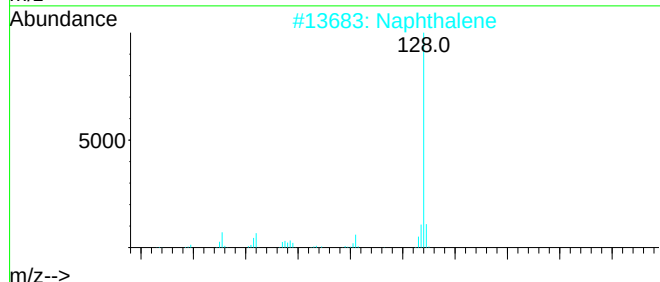
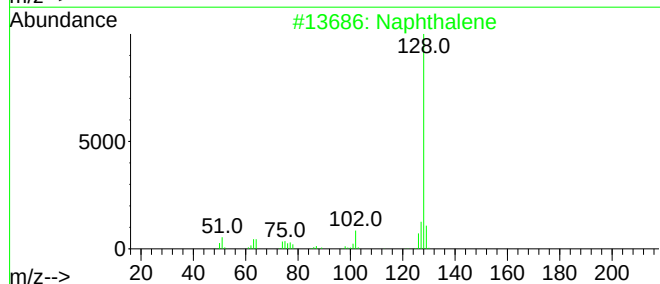
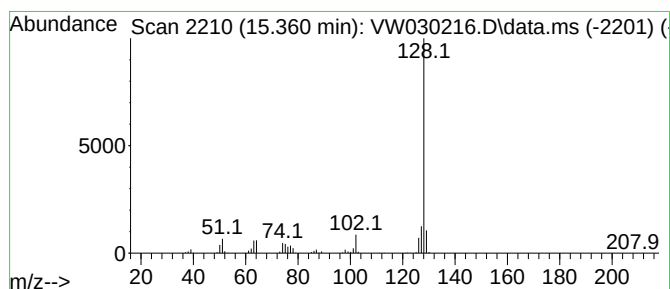
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 Azulene Concentration Rank 1

| R.T.      | EstConc      | Area   | Relative to ISTD       |         | R.T.        |      |
|-----------|--------------|--------|------------------------|---------|-------------|------|
| 15.360    | 10.86 ug/L   | 655567 | 1,4-Dichlorobenzene-d4 |         | 13.550      |      |
| Hit# of 5 | Tentative ID |        | MW                     | MolForm | CAS#        | Qual |
| 1         | Naphthalene  |        | 128                    | C10H8   | 000091-20-3 | 95   |
| 2         | Naphthalene  |        | 128                    | C10H8   | 000091-20-3 | 94   |
| 3         | Azulene      |        | 128                    | C10H8   | 000275-51-4 | 93   |
| 4         | Azulene      |        | 128                    | C10H8   | 000275-51-4 | 91   |
| 5         | Azulene      |        | 128                    | C10H8   | 000275-51-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092424\  
Data File : VW030216.D  
Acq On : 24 Sep 2024 11:40  
Operator : SY/MD  
Sample : P4109-12DL 2X  
Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4E63DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.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 |
| Acetonitrile     | 4.618  | 2.3     | ug/L  | 65985    | 1                     | 8.843  | 709754  | 25.0 |
| Azulene          | 15.360 | 10.9    | ug/L  | 655567   | 3                     | 13.550 | 1508920 | 25.0 |