

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072524\  
 Data File : VW029735.D  
 Acq On : 25 Jul 2024 15:11  
 Operator : SY/MD  
 Sample : P3344-07  
 Misc : 4.45g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BHB23

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\SFAMWLM072424SMA.M  
 Title : SFAM01.0

Signal : TIC: VW029735.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         | 2.149       | 42            | 43          | 45           | rBV2     | 827            | 713           | 0.07%           | 0.008%        |
| 2         | 2.204       | 50            | 52          | 53           | rBV2     | 1071           | 827           | 0.08%           | 0.010%        |
| 3         | 2.362       | 71            | 78          | 90           | rBV      | 33088          | 87478         | 8.13%           | 1.039%        |
| 4         | 2.496       | 96            | 100         | 105          | rBV      | 5737           | 10408         | 0.97%           | 0.124%        |
| 5         | 2.893       | 159           | 165         | 176          | rBV2     | 27898          | 79938         | 7.43%           | 0.949%        |
| 6         | 3.673       | 290           | 293         | 295          | rBV3     | 829            | 1039          | 0.10%           | 0.012%        |
| 7         | 4.021       | 337           | 350         | 365          | rBV      | 68559          | 236648        | 22.00%          | 2.810%        |
| 8         | 4.386       | 408           | 410         | 412          | rBV3     | 705            | 806           | 0.07%           | 0.010%        |
| 9         | 4.551       | 436           | 437         | 440          | rVB2     | 660            | 666           | 0.06%           | 0.008%        |
| 10        | 4.728       | 464           | 466         | 469          | rBV3     | 669            | 627           | 0.06%           | 0.007%        |
| 11        | 4.795       | 476           | 477         | 482          | rVB3     | 558            | 621           | 0.06%           | 0.007%        |
| 12        | 4.923       | 482           | 498         | 527          | rBV      | 47218          | 200830        | 18.67%          | 2.385%        |
| 13        | 5.289       | 556           | 558         | 560          | rBV3     | 511            | 655           | 0.06%           | 0.008%        |
| 14        | 5.356       | 566           | 569         | 571          | rBV3     | 631            | 868           | 0.08%           | 0.010%        |
| 15        | 5.404       | 575           | 577         | 581          | rVV3     | 697            | 1045          | 0.10%           | 0.012%        |
| 16        | 5.441       | 581           | 583         | 585          | rVV2     | 732            | 777           | 0.07%           | 0.009%        |
| 17        | 5.502       | 591           | 593         | 597          | rVV3     | 608            | 719           | 0.07%           | 0.009%        |
| 18        | 5.734       | 628           | 631         | 633          | rBV2     | 516            | 601           | 0.06%           | 0.007%        |
| 19        | 5.776       | 635           | 638         | 640          | rVV3     | 580            | 787           | 0.07%           | 0.009%        |
| 20        | 5.795       | 640           | 641         | 643          | rVV2     | 887            | 790           | 0.07%           | 0.009%        |
| 21        | 5.941       | 655           | 665         | 674          | rVV4     | 6415           | 21372         | 1.99%           | 0.254%        |
| 22        | 6.221       | 706           | 711         | 712          | rVB5     | 433            | 672           | 0.06%           | 0.008%        |
| 23        | 6.904       | 815           | 823         | 825          | rBV5     | 1481           | 2828          | 0.26%           | 0.034%        |
| 24        | 6.977       | 833           | 835         | 839          | rVB4     | 666            | 817           | 0.08%           | 0.010%        |
| 25        | 7.081       | 843           | 852         | 860          | rBV2     | 37381          | 109232        | 10.16%          | 1.297%        |
| 26        | 7.166       | 862           | 866         | 877          | rVB      | 21327          | 56284         | 5.23%           | 0.668%        |
| 27        | 7.392       | 901           | 903         | 905          | rVB3     | 738            | 665           | 0.06%           | 0.008%        |
| 28        | 7.544       | 922           | 928         | 935          | rVV6     | 1017           | 2944          | 0.27%           | 0.035%        |
| 29        | 7.648       | 935           | 945         | 958          | rVV      | 155566         | 386654        | 35.95%          | 4.592%        |
| 30        | 7.752       | 960           | 962         | 965          | rBV4     | 835            | 871           | 0.08%           | 0.010%        |
| 31        | 8.008       | 1002          | 1004        | 1007         | rVB3     | 574            | 631           | 0.06%           | 0.007%        |
| 32        | 8.276       | 1035          | 1048        | 1062         | rBV2     | 283966         | 879744        | 81.80%          | 10.447%       |
| 33        | 8.636       | 1104          | 1107        | 1111         | rBV4     | 542            | 654           | 0.06%           | 0.008%        |
| 34        | 8.690       | 1111          | 1116        | 1117         | rBV2     | 1692           | 1744          | 0.16%           | 0.021%        |
| 35        | 8.727       | 1121          | 1122        | 1125         | rVB3     | 852            | 612           | 0.06%           | 0.007%        |
| 36        | 8.843       | 1131          | 1141        | 1153         | rBV      | 437721         | 884551        | 82.25%          | 10.505%       |

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 MSVOA\_W  
 ClientSampleId :  
 BHB23

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\SFAMWLM072424SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 9.087  | 1172 | 1181 | 1190 | rBV4 | 11096  | 27124   | 2.52%   | 0.322%  |
| 38 | 9.270  | 1202 | 1211 | 1221 | rBV  | 219454 | 451190  | 41.95%  | 5.358%  |
| 39 | 9.410  | 1228 | 1234 | 1244 | rBV2 | 7886   | 15422   | 1.43%   | 0.183%  |
| 40 | 9.666  | 1268 | 1276 | 1282 | rBV6 | 2513   | 6829    | 0.63%   | 0.081%  |
| 41 | 9.721  | 1282 | 1285 | 1287 | rVV4 | 647    | 708     | 0.07%   | 0.008%  |
| 42 | 9.928  | 1317 | 1319 | 1322 | rBV4 | 660    | 660     | 0.06%   | 0.008%  |
| 43 | 9.959  | 1322 | 1324 | 1328 | rVB4 | 670    | 747     | 0.07%   | 0.009%  |
| 44 | 10.032 | 1328 | 1336 | 1347 | rBV  | 105405 | 197060  | 18.32%  | 2.340%  |
| 45 | 10.135 | 1349 | 1353 | 1357 | rVB6 | 1212   | 2278    | 0.21%   | 0.027%  |
| 46 | 10.318 | 1373 | 1383 | 1392 | rBV  | 365593 | 651887  | 60.61%  | 7.742%  |
| 47 | 10.501 | 1409 | 1413 | 1418 | rVV7 | 1727   | 3638    | 0.34%   | 0.043%  |
| 48 | 10.574 | 1418 | 1425 | 1437 | rVV  | 70013  | 126351  | 11.75%  | 1.500%  |
| 49 | 10.702 | 1440 | 1446 | 1452 | rVV2 | 10265  | 19391   | 1.80%   | 0.230%  |
| 50 | 10.861 | 1463 | 1472 | 1477 | rBV  | 155414 | 276130  | 25.67%  | 3.279%  |
| 51 | 10.922 | 1477 | 1482 | 1498 | rVV  | 149409 | 259819  | 24.16%  | 3.085%  |
| 52 | 11.068 | 1500 | 1506 | 1517 | rVB  | 38046  | 67853   | 6.31%   | 0.806%  |
| 53 | 11.629 | 1589 | 1598 | 1607 | rBV  | 651520 | 1075504 | 100.00% | 12.772% |
| 54 | 11.708 | 1607 | 1611 | 1619 | rVB  | 5490   | 10386   | 0.97%   | 0.123%  |
| 55 | 11.830 | 1629 | 1631 | 1632 | rBV2 | 974    | 746     | 0.07%   | 0.009%  |
| 56 | 11.958 | 1649 | 1652 | 1653 | rBV3 | 752    | 598     | 0.06%   | 0.007%  |
| 57 | 12.019 | 1659 | 1662 | 1664 | rVB3 | 815    | 826     | 0.08%   | 0.010%  |
| 58 | 12.165 | 1682 | 1686 | 1688 | rBV5 | 1011   | 1392    | 0.13%   | 0.017%  |
| 59 | 12.239 | 1695 | 1698 | 1701 | rBV5 | 1391   | 1644    | 0.15%   | 0.020%  |
| 60 | 12.336 | 1708 | 1714 | 1720 | rBV2 | 20072  | 34680   | 3.22%   | 0.412%  |
| 61 | 12.513 | 1740 | 1743 | 1746 | rBV3 | 713    | 656     | 0.06%   | 0.008%  |
| 62 | 12.598 | 1752 | 1757 | 1764 | rVB2 | 13923  | 22588   | 2.10%   | 0.268%  |
| 63 | 12.690 | 1764 | 1772 | 1781 | rBV  | 205631 | 340320  | 31.64%  | 4.041%  |
| 64 | 12.842 | 1794 | 1797 | 1799 | rBV4 | 697    | 748     | 0.07%   | 0.009%  |
| 65 | 12.891 | 1801 | 1805 | 1807 | rBV4 | 770    | 1083    | 0.10%   | 0.013%  |
| 66 | 12.934 | 1807 | 1812 | 1814 | rBV5 | 1350   | 2474    | 0.23%   | 0.029%  |
| 67 | 13.086 | 1831 | 1837 | 1838 | rBV4 | 865    | 1597    | 0.15%   | 0.019%  |
| 68 | 13.129 | 1841 | 1844 | 1845 | rBV2 | 839    | 1027    | 0.10%   | 0.012%  |
| 69 | 13.226 | 1857 | 1860 | 1863 | rBV5 | 945    | 1309    | 0.12%   | 0.016%  |
| 70 | 13.287 | 1865 | 1870 | 1876 | rVB9 | 1673   | 4168    | 0.39%   | 0.049%  |
| 71 | 13.391 | 1881 | 1887 | 1897 | rBV2 | 35055  | 60998   | 5.67%   | 0.724%  |
| 72 | 13.488 | 1901 | 1903 | 1906 | rVV4 | 673    | 642     | 0.06%   | 0.008%  |
| 73 | 13.555 | 1906 | 1914 | 1923 | rBV  | 619869 | 1012016 | 94.10%  | 12.018% |
| 74 | 13.647 | 1924 | 1929 | 1937 | rVB2 | 14977  | 25702   | 2.39%   | 0.305%  |
| 75 | 13.848 | 1954 | 1962 | 1969 | rBV  | 392133 | 631573  | 58.72%  | 7.500%  |
| 76 | 14.013 | 1985 | 1989 | 1990 | rBV4 | 1739   | 2212    | 0.21%   | 0.026%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BHB23

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\SFAMWLM072424SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 14.061 | 1992 | 1997 | 2002 | rVB2 | 10979 | 18338 | 1.71% | 0.218% |
| 78  | 14.147 | 2009 | 2011 | 2013 | rBV3 | 991   | 940   | 0.09% | 0.011% |
| 79  | 14.317 | 2033 | 2039 | 2047 | rBV  | 20838 | 35262 | 3.28% | 0.419% |
| 80  | 14.452 | 2059 | 2061 | 2065 | rVB4 | 1343  | 1620  | 0.15% | 0.019% |
|     |        |      |      |      |      |       |       |       |        |
| 81  | 14.586 | 2081 | 2083 | 2085 | rBV3 | 686   | 603   | 0.06% | 0.007% |
| 82  | 14.622 | 2086 | 2089 | 2092 | rVV5 | 1222  | 1648  | 0.15% | 0.020% |
| 83  | 14.665 | 2092 | 2096 | 2097 | rVV4 | 925   | 1192  | 0.11% | 0.014% |
| 84  | 14.714 | 2101 | 2104 | 2111 | rVB7 | 3479  | 5707  | 0.53% | 0.068% |
| 85  | 14.830 | 2120 | 2123 | 2126 | rBV5 | 936   | 1038  | 0.10% | 0.012% |
|     |        |      |      |      |      |       |       |       |        |
| 86  | 14.872 | 2126 | 2130 | 2132 | rBV3 | 1366  | 1802  | 0.17% | 0.021% |
| 87  | 15.061 | 2158 | 2161 | 2164 | rBV5 | 978   | 1258  | 0.12% | 0.015% |
| 88  | 15.171 | 2176 | 2179 | 2182 | rBV4 | 1590  | 2488  | 0.23% | 0.030% |
| 89  | 15.360 | 2207 | 2210 | 2212 | rBV3 | 780   | 946   | 0.09% | 0.011% |
| 90  | 15.384 | 2212 | 2214 | 2215 | rVV2 | 1365  | 960   | 0.09% | 0.011% |
|     |        |      |      |      |      |       |       |       |        |
| 91  | 15.476 | 2225 | 2229 | 2235 | rVV2 | 5310  | 9642  | 0.90% | 0.115% |
| 92  | 15.543 | 2236 | 2240 | 2244 | rVB6 | 4528  | 6655  | 0.62% | 0.079% |
| 93  | 15.720 | 2266 | 2269 | 2273 | rVB6 | 1231  | 1956  | 0.18% | 0.023% |
| 94  | 15.945 | 2301 | 2306 | 2307 | rBV5 | 1158  | 1434  | 0.13% | 0.017% |
| 95  | 15.994 | 2311 | 2314 | 2317 | rVV4 | 816   | 1056  | 0.10% | 0.013% |
|     |        |      |      |      |      |       |       |       |        |
| 96  | 16.195 | 2345 | 2347 | 2350 | rBV4 | 558   | 699   | 0.06% | 0.008% |
| 97  | 16.274 | 2357 | 2360 | 2364 | rVB5 | 1265  | 1543  | 0.14% | 0.018% |
| 98  | 16.366 | 2373 | 2375 | 2377 | rBV3 | 707   | 718   | 0.07% | 0.009% |
| 99  | 16.457 | 2385 | 2390 | 2391 | rBV3 | 2311  | 3252  | 0.30% | 0.039% |
| 100 | 16.616 | 2414 | 2416 | 2419 | rVV3 | 862   | 796   | 0.07% | 0.009% |

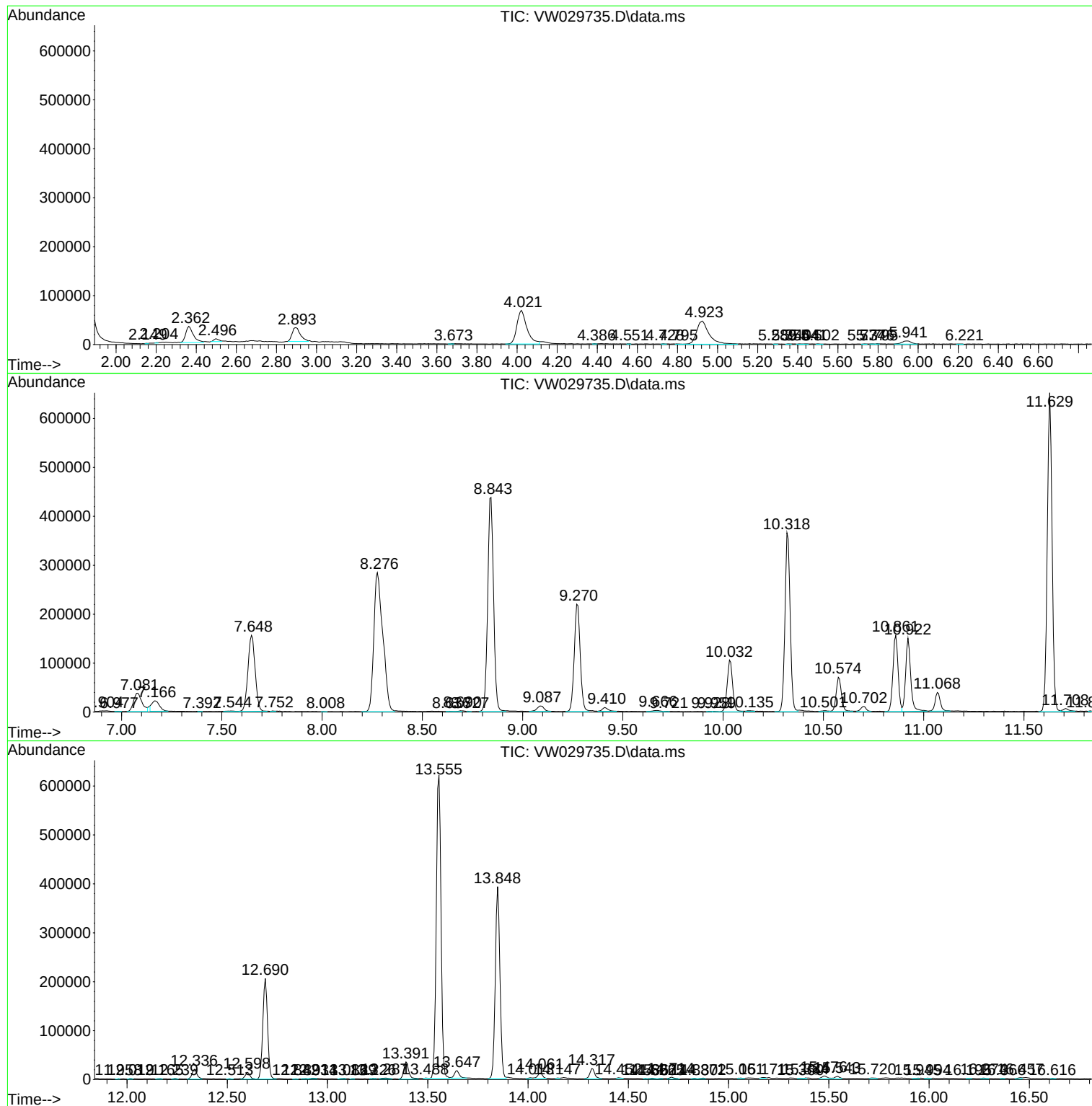
Sum of corrected areas: 8420647

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Data File : VW029735.D  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072524\  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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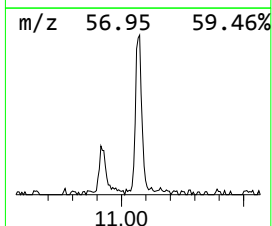
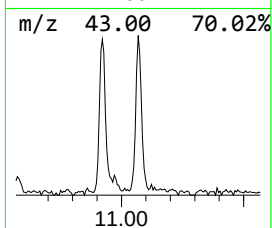
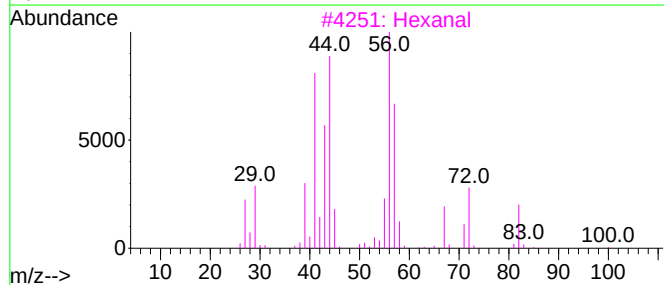
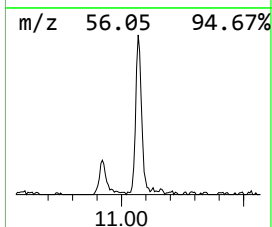
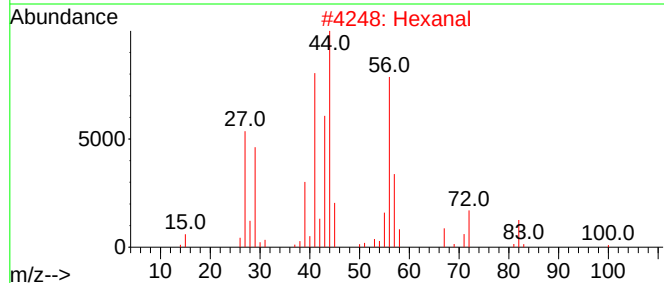
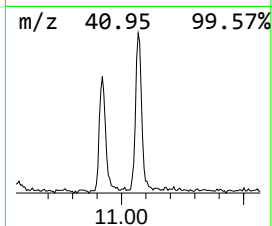
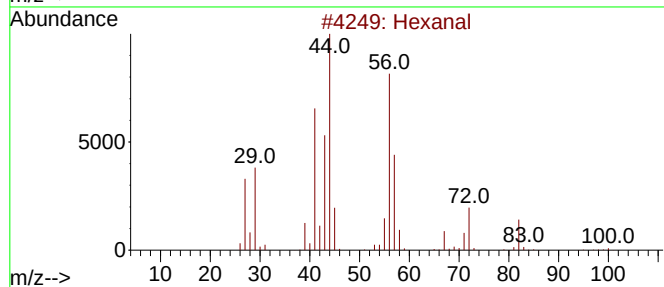
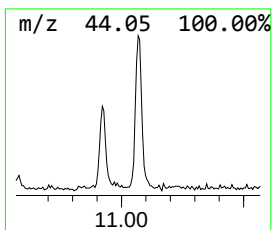
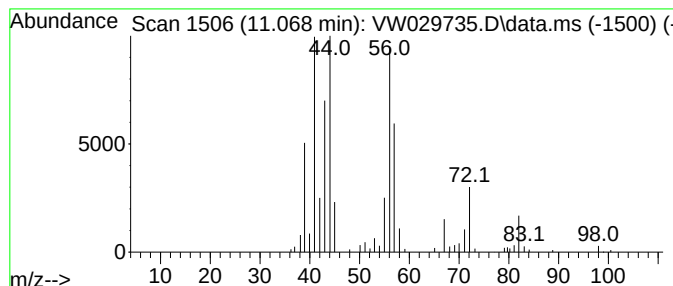
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Hexanal Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.068 | 1.58 ug/L | 67853 | Chlorobenzene-d5 | 11.629 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 81   |
| 2    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 76   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 59   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 58   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 43   |



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MSVOA\_W  
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BHB23

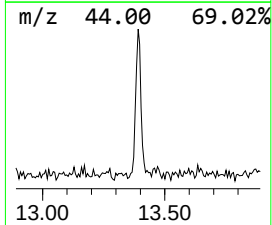
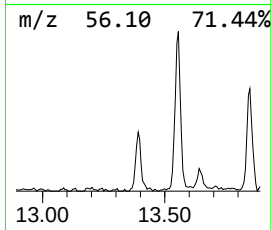
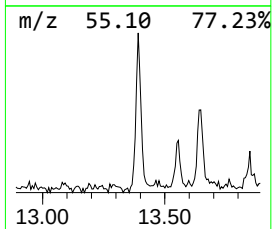
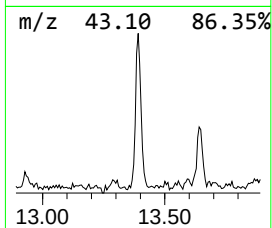
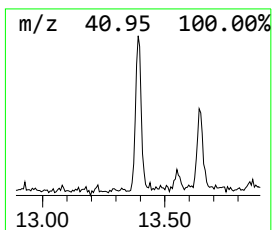
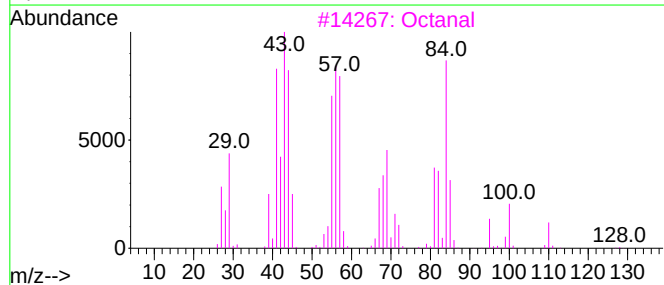
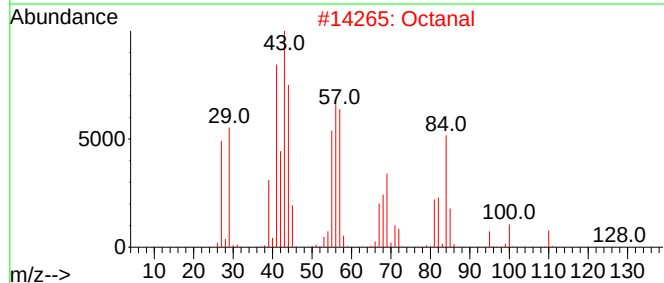
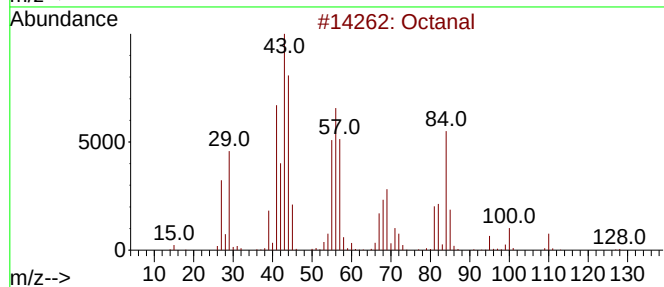
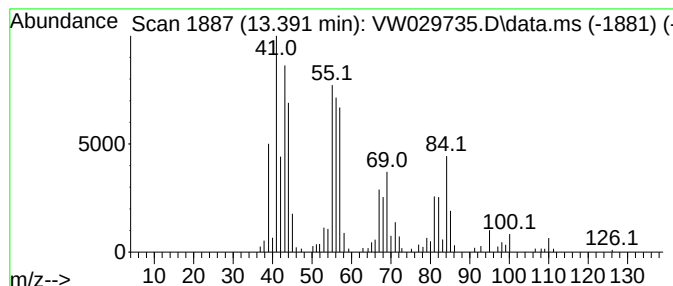
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0

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

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.391 | 1.51 ug/L | 60998 | 1,4-Dichlorobenzene-d4 | 13.555 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 83   |
| 2    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 83   |
| 3    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 80   |
| 4    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 64   |
| 5    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072524\  
Data File : VW029735.D  
Acq On : 25 Jul 2024 15:11  
Operator : SY/MD  
Sample : P3344-07  
Misc : 4.45g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BHB23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.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 |
| Hexanal          | 11.068 | 1.6     | ug/L  | 67853    | 2                     | 11.629 | 1075500 | 25.0 |
| Octanal          | 13.391 | 1.5     | ug/L  | 60998    | 3                     | 13.555 | 1012020 | 25.0 |