

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062723\  
 Data File : VW026377.D  
 Acq On : 28 Jun 2023 01:13  
 Operator : SY/MD  
 Sample : 03420-16  
 Misc : 4.97g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A46F1

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\SFAMWLM062623SMA.M  
 Title : SFAM01.0

Signal : TIC: VW026377.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         | 2.143       | 38            | 42          | 48           | rBV4     | 6573           | 14867         | 0.35%           | 0.044%        |
| 2         | 2.210       | 50            | 53          | 54           | rBV3     | 4305           | 4647          | 0.11%           | 0.014%        |
| 3         | 2.265       | 60            | 62          | 65           | rBV4     | 2931           | 3542          | 0.08%           | 0.011%        |
| 4         | 2.296       | 65            | 67          | 68           | rBV2     | 3504           | 2299          | 0.05%           | 0.007%        |
| 5         | 2.363       | 71            | 78          | 93           | rVV      | 200332         | 506724        | 11.83%          | 1.502%        |
| 6         | 2.625       | 114           | 121         | 124          | rBV8     | 9964           | 24572         | 0.57%           | 0.073%        |
| 7         | 2.899       | 158           | 166         | 184          | rVB      | 166630         | 478255        | 11.16%          | 1.418%        |
| 8         | 3.277       | 226           | 228         | 230          | rVB3     | 1846           | 1813          | 0.04%           | 0.005%        |
| 9         | 3.302       | 230           | 232         | 233          | rBV2     | 1900           | 1347          | 0.03%           | 0.004%        |
| 10        | 3.387       | 244           | 246         | 249          | rVB4     | 1902           | 1956          | 0.05%           | 0.006%        |
| 11        | 3.527       | 262           | 269         | 274          | rVV4     | 7523           | 18475         | 0.43%           | 0.055%        |
| 12        | 3.582       | 277           | 278         | 280          | rVV2     | 2277           | 1652          | 0.04%           | 0.005%        |
| 13        | 3.600       | 280           | 281         | 288          | rVV7     | 1536           | 2386          | 0.06%           | 0.007%        |
| 14        | 3.728       | 297           | 302         | 303          | rBV5     | 1698           | 2428          | 0.06%           | 0.007%        |
| 15        | 3.789       | 309           | 312         | 313          | rBV3     | 1212           | 1476          | 0.03%           | 0.004%        |
| 16        | 3.856       | 321           | 323         | 327          | rVB4     | 2735           | 3654          | 0.09%           | 0.011%        |
| 17        | 3.899       | 327           | 330         | 331          | rBV3     | 2265           | 2264          | 0.05%           | 0.007%        |
| 18        | 3.942       | 334           | 337         | 338          | rVB3     | 2062           | 1236          | 0.03%           | 0.004%        |
| 19        | 4.021       | 338           | 350         | 376          | rBV      | 397469         | 1386901       | 32.37%          | 4.112%        |
| 20        | 4.216       | 379           | 382         | 383          | rBV3     | 1936           | 1516          | 0.04%           | 0.004%        |
| 21        | 4.253       | 386           | 388         | 390          | rBV3     | 1852           | 1129          | 0.03%           | 0.003%        |
| 22        | 4.368       | 402           | 407         | 409          | rBV5     | 2614           | 4488          | 0.10%           | 0.013%        |
| 23        | 4.490       | 425           | 427         | 430          | rBV4     | 1572           | 1566          | 0.04%           | 0.005%        |
| 24        | 4.539       | 434           | 435         | 437          | rBV2     | 1446           | 1178          | 0.03%           | 0.003%        |
| 25        | 4.588       | 440           | 443         | 445          | rVB4     | 825            | 947           | 0.02%           | 0.003%        |
| 26        | 4.661       | 454           | 455         | 456          | rBV      | 2020           | 1147          | 0.03%           | 0.003%        |
| 27        | 4.692       | 459           | 460         | 463          | rVB3     | 1956           | 1841          | 0.04%           | 0.005%        |
| 28        | 4.728       | 463           | 466         | 469          | rBV5     | 2288           | 2455          | 0.06%           | 0.007%        |
| 29        | 4.917       | 489           | 497         | 507          | rBV2     | 15610          | 52050         | 1.21%           | 0.154%        |
| 30        | 4.996       | 507           | 510         | 511          | rBV3     | 1630           | 1632          | 0.04%           | 0.005%        |
| 31        | 5.112       | 525           | 529         | 531          | rVB5     | 1260           | 1401          | 0.03%           | 0.004%        |
| 32        | 5.155       | 531           | 536         | 537          | rBV5     | 1471           | 2697          | 0.06%           | 0.008%        |
| 33        | 5.191       | 539           | 542         | 544          | rBV4     | 1431           | 2012          | 0.05%           | 0.006%        |
| 34        | 5.228       | 546           | 548         | 551          | rVB3     | 1511           | 1599          | 0.04%           | 0.005%        |
| 35        | 5.265       | 551           | 554         | 556          | rBV4     | 951            | 1099          | 0.03%           | 0.003%        |
| 36        | 5.350       | 566           | 568         | 570          | rBV3     | 1867           | 1635          | 0.04%           | 0.005%        |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A46F1

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\SFAMWLM062623SMA.M  
 Title : SFAM01.0

|    |       |     |     |     |      |        |         |        |        |
|----|-------|-----|-----|-----|------|--------|---------|--------|--------|
| 37 | 5.393 | 570 | 575 | 578 | rBV7 | 1488   | 1924    | 0.04%  | 0.006% |
| 38 | 5.429 | 578 | 581 | 584 | rBV5 | 1026   | 1491    | 0.03%  | 0.004% |
| 39 | 5.466 | 584 | 587 | 588 | rVB3 | 970    | 961     | 0.02%  | 0.003% |
| 40 | 5.496 | 591 | 592 | 596 | rBV4 | 1035   | 1291    | 0.03%  | 0.004% |
| 41 | 5.551 | 599 | 601 | 605 | rVB4 | 2063   | 2234    | 0.05%  | 0.007% |
| 42 | 5.594 | 605 | 608 | 610 | rBV3 | 1612   | 1952    | 0.05%  | 0.006% |
| 43 | 5.661 | 615 | 619 | 620 | rBV4 | 964    | 1141    | 0.03%  | 0.003% |
| 44 | 5.697 | 624 | 625 | 629 | rVB4 | 1054   | 1071    | 0.02%  | 0.003% |
| 45 | 5.734 | 629 | 631 | 633 | rBV3 | 1239   | 1203    | 0.03%  | 0.004% |
| 46 | 5.758 | 633 | 635 | 637 | rBV3 | 929    | 1103    | 0.03%  | 0.003% |
| 47 | 5.789 | 637 | 640 | 643 | rVB5 | 749    | 1066    | 0.02%  | 0.003% |
| 48 | 5.862 | 650 | 652 | 655 | rBV4 | 1371   | 1155    | 0.03%  | 0.003% |
| 49 | 5.947 | 661 | 666 | 669 | rBV7 | 2516   | 5432    | 0.13%  | 0.016% |
| 50 | 6.045 | 680 | 682 | 685 | rVB4 | 1442   | 1588    | 0.04%  | 0.005% |
| 51 | 6.082 | 685 | 688 | 689 | rBV3 | 1397   | 1458    | 0.03%  | 0.004% |
| 52 | 6.100 | 689 | 691 | 694 | rVV4 | 1472   | 1928    | 0.04%  | 0.006% |
| 53 | 6.161 | 698 | 701 | 704 | rVV5 | 1682   | 1581    | 0.04%  | 0.005% |
| 54 | 6.228 | 710 | 712 | 716 | rBV5 | 1894   | 2006    | 0.05%  | 0.006% |
| 55 | 6.325 | 725 | 728 | 732 | rBV6 | 1893   | 2096    | 0.05%  | 0.006% |
| 56 | 6.356 | 732 | 733 | 735 | rBV2 | 1049   | 915     | 0.02%  | 0.003% |
| 57 | 6.374 | 735 | 736 | 741 | rVB5 | 1073   | 1430    | 0.03%  | 0.004% |
| 58 | 6.502 | 755 | 757 | 758 | rBV2 | 2007   | 1478    | 0.03%  | 0.004% |
| 59 | 6.636 | 777 | 779 | 784 | rVB6 | 2026   | 2433    | 0.06%  | 0.007% |
| 60 | 6.685 | 786 | 787 | 790 | rBV3 | 1054   | 1279    | 0.03%  | 0.004% |
| 61 | 6.740 | 794 | 796 | 798 | rVB3 | 1209   | 970     | 0.02%  | 0.003% |
| 62 | 6.831 | 810 | 811 | 813 | rVB2 | 2039   | 1151    | 0.03%  | 0.003% |
| 63 | 6.862 | 813 | 816 | 818 | rBV4 | 1649   | 1717    | 0.04%  | 0.005% |
| 64 | 6.886 | 818 | 820 | 825 | rBV6 | 1044   | 1676    | 0.04%  | 0.005% |
| 65 | 6.941 | 825 | 829 | 830 | rBV4 | 1212   | 1247    | 0.03%  | 0.004% |
| 66 | 6.990 | 834 | 837 | 838 | rBV3 | 1190   | 1319    | 0.03%  | 0.004% |
| 67 | 7.075 | 842 | 851 | 866 | rBV  | 130257 | 395694  | 9.23%  | 1.173% |
| 68 | 7.276 | 881 | 884 | 886 | rVB3 | 1922   | 1540    | 0.04%  | 0.005% |
| 69 | 7.313 | 886 | 890 | 891 | rBV4 | 2453   | 2774    | 0.06%  | 0.008% |
| 70 | 7.362 | 895 | 898 | 900 | rVB4 | 1061   | 1016    | 0.02%  | 0.003% |
| 71 | 7.417 | 906 | 907 | 909 | rBV2 | 1354   | 1163    | 0.03%  | 0.003% |
| 72 | 7.472 | 913 | 916 | 918 | rBV4 | 1579   | 1762    | 0.04%  | 0.005% |
| 73 | 7.496 | 918 | 920 | 921 | rBV2 | 1431   | 1205    | 0.03%  | 0.004% |
| 74 | 7.520 | 922 | 924 | 928 | rVB5 | 1308   | 1534    | 0.04%  | 0.005% |
| 75 | 7.648 | 935 | 945 | 957 | rVV  | 704515 | 1726766 | 40.30% | 5.120% |
| 76 | 7.898 | 985 | 986 | 990 | rBV4 | 1221   | 1098    | 0.03%  | 0.003% |

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Instrument :  
 MSVOA\_W  
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 A46F1

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\SFAMWLM062623SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 77  | 7.929  | 990  | 991  | 994  | rBV3 | 1724    | 1947    | 0.05%   | 0.006%  |
| 78  | 7.959  | 994  | 996  | 1001 | rVB6 | 2760    | 3152    | 0.07%   | 0.009%  |
| 79  | 7.996  | 1001 | 1002 | 1004 | rBV2 | 2139    | 1624    | 0.04%   | 0.005%  |
| 80  | 8.032  | 1007 | 1008 | 1010 | rBV2 | 1586    | 1201    | 0.03%   | 0.004%  |
| 81  | 8.118  | 1017 | 1022 | 1023 | rBV5 | 1342    | 2108    | 0.05%   | 0.006%  |
| 82  | 8.160  | 1028 | 1029 | 1031 | rBV2 | 1292    | 972     | 0.02%   | 0.003%  |
| 83  | 8.276  | 1038 | 1048 | 1065 | rBV2 | 1455109 | 4284940 | 100.00% | 12.705% |
| 84  | 8.404  | 1067 | 1069 | 1073 | rVB5 | 3410    | 3939    | 0.09%   | 0.012%  |
| 85  | 8.843  | 1132 | 1141 | 1150 | rBV  | 1661023 | 3241962 | 75.66%  | 9.612%  |
| 86  | 9.276  | 1203 | 1212 | 1221 | rBV  | 1001928 | 2041853 | 47.65%  | 6.054%  |
| 87  | 9.416  | 1233 | 1235 | 1236 | rBV2 | 4041    | 1959    | 0.05%   | 0.006%  |
| 88  | 10.032 | 1329 | 1336 | 1344 | rBV  | 546684  | 1004584 | 23.44%  | 2.979%  |
| 89  | 10.325 | 1376 | 1384 | 1391 | rBV  | 2013636 | 3599856 | 84.01%  | 10.674% |
| 90  | 10.575 | 1419 | 1425 | 1433 | rBV  | 346055  | 608611  | 14.20%  | 1.805%  |
| 91  | 10.922 | 1476 | 1482 | 1492 | rBV  | 472271  | 829924  | 19.37%  | 2.461%  |
| 92  | 11.629 | 1591 | 1598 | 1607 | rBV  | 2321916 | 3786994 | 88.38%  | 11.228% |
| 93  | 12.690 | 1767 | 1772 | 1781 | rVB  | 730338  | 1179442 | 27.53%  | 3.497%  |
| 94  | 13.556 | 1907 | 1914 | 1922 | rVB  | 2211888 | 3622156 | 84.53%  | 10.740% |
| 95  | 13.647 | 1926 | 1929 | 1931 | rBV2 | 30287   | 39409   | 0.92%   | 0.117%  |
| 96  | 13.848 | 1956 | 1962 | 1970 | rBV  | 1747197 | 2887770 | 67.39%  | 8.562%  |
| 97  | 14.848 | 2117 | 2126 | 2149 | rVB2 | 425304  | 1422095 | 33.19%  | 4.217%  |
| 98  | 15.318 | 2199 | 2203 | 2209 | rVB3 | 74722   | 119960  | 2.80%   | 0.356%  |
| 99  | 15.397 | 2211 | 2216 | 2222 | rBV9 | 24300   | 59037   | 1.38%   | 0.175%  |
| 100 | 16.275 | 2355 | 2360 | 2368 | rVB2 | 138959  | 257670  | 6.01%   | 0.764%  |

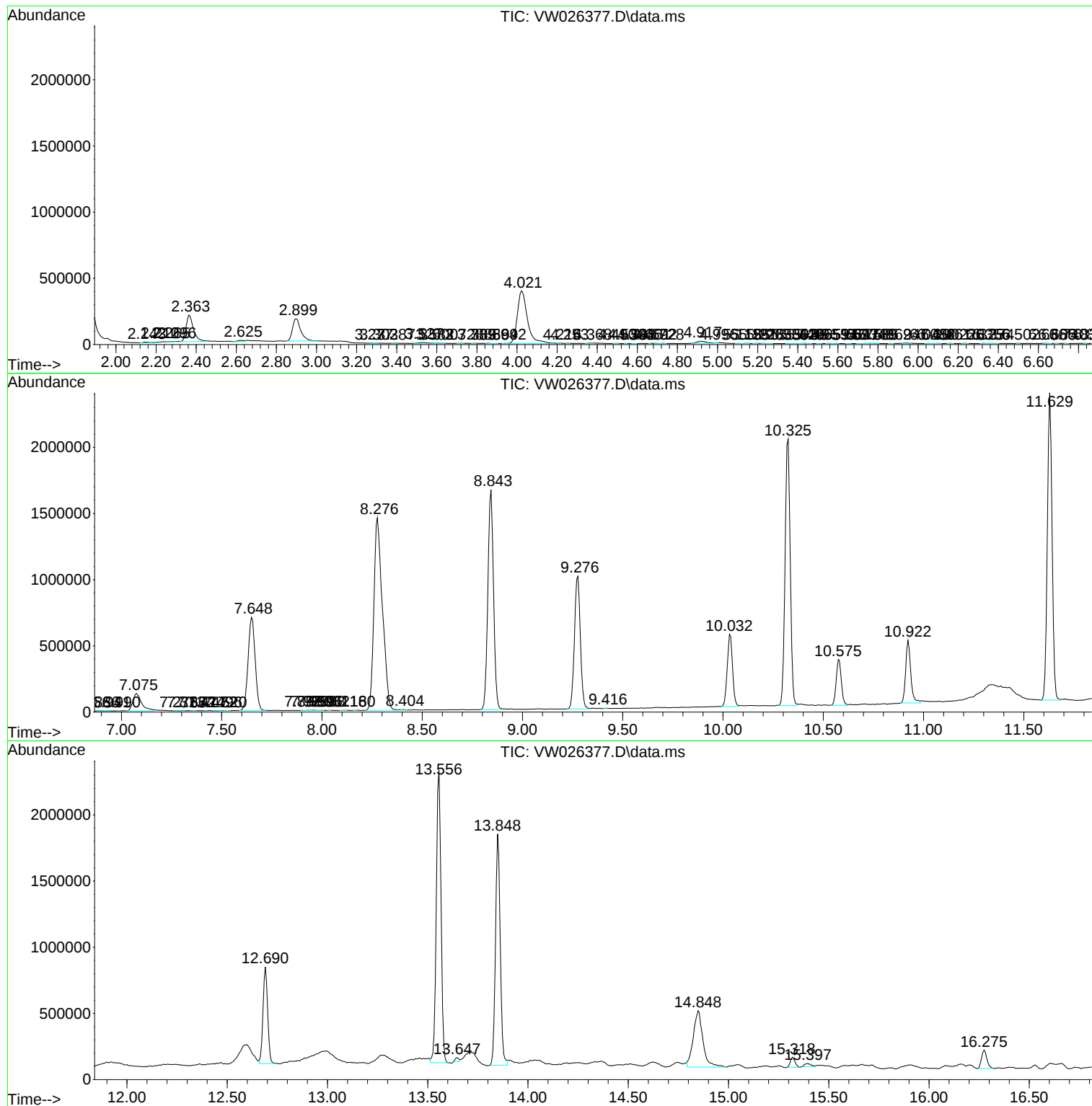
Sum of corrected areas: 33726899

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062623SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062723\  
Data File : VW026377.D  
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Misc : 4.97g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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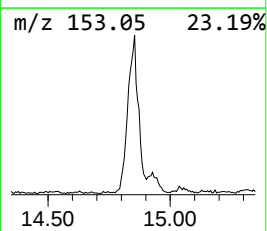
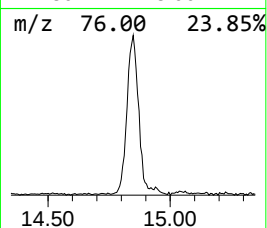
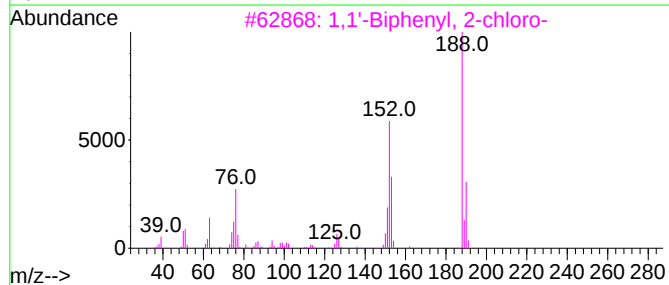
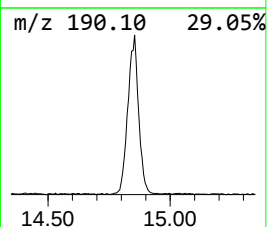
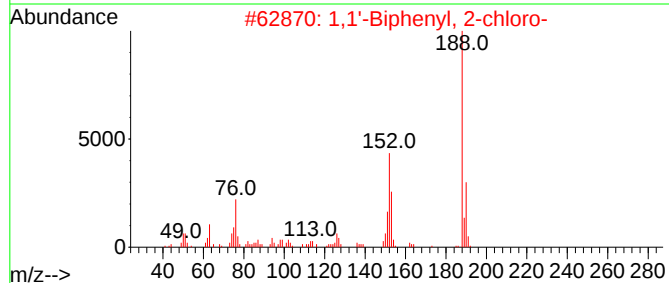
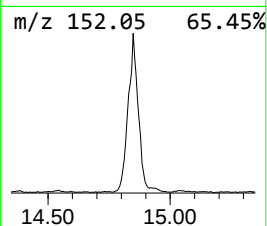
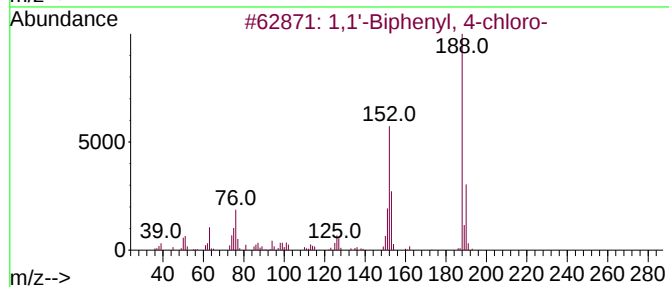
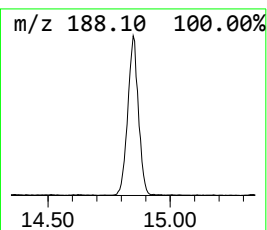
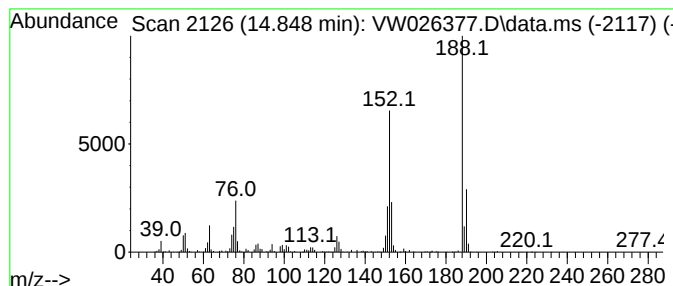
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062623SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 1,1'-Biphenyl, 4-chloro- Concentration Rank 1

| R.T.   | EstConc   | Area    | Relative to ISTD       | R.T.   |
|--------|-----------|---------|------------------------|--------|
| 14.848 | 9.82 ug/L | 1422100 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of 5                     | Tentative ID | MW      | MolForm     | CAS# | Qual |
|------|--------------------------|--------------|---------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 4-chloro- | 188          | C12H9Cl | 002051-62-9 | 97   |      |
| 2    | 1,1'-Biphenyl, 2-chloro- | 188          | C12H9Cl | 002051-60-7 | 97   |      |
| 3    | 1,1'-Biphenyl, 2-chloro- | 188          | C12H9Cl | 002051-60-7 | 96   |      |
| 4    | 3-Chlorobiphenyl         | 188          | C12H9Cl | 002051-61-8 | 96   |      |
| 5    | 1,1'-Biphenyl, 2-chloro- | 188          | C12H9Cl | 002051-60-7 | 96   |      |



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ClientSampleId :  
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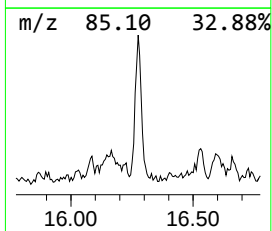
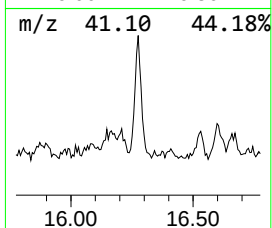
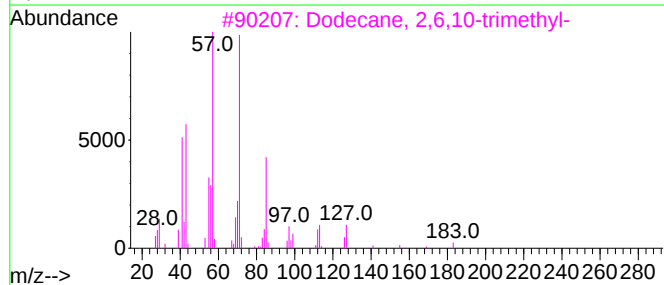
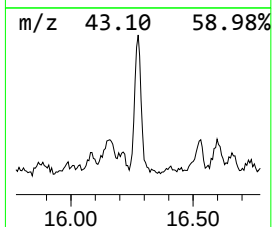
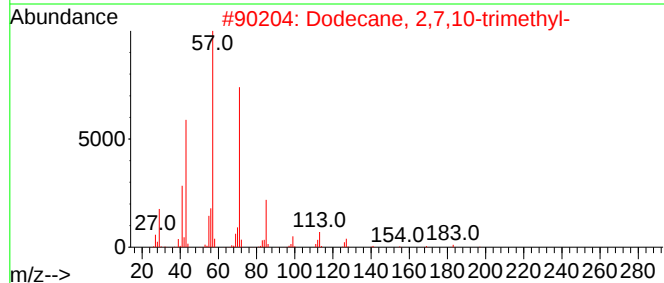
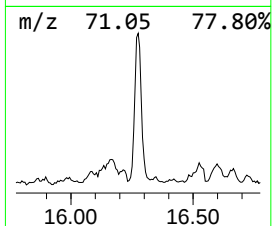
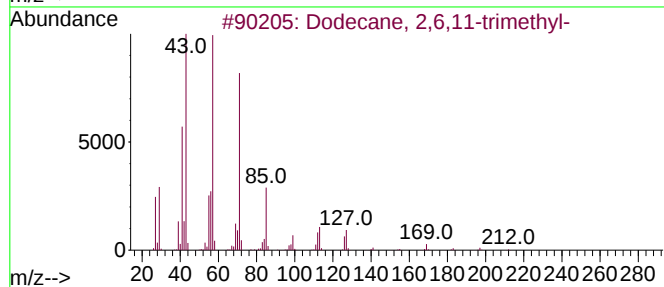
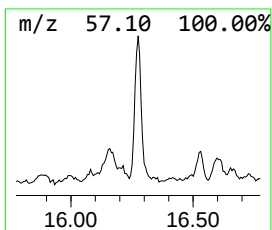
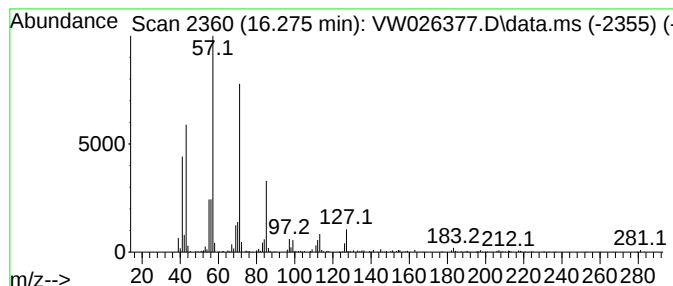
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062623SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.275 | 1.78 ug/L | 257670 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 90   |
| 2    |      | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 90   |
| 3    |      | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 87   |
| 4    |      | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 83   |
| 5    |      | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062723\  
Data File : VW026377.D  
Acq On : 28 Jun 2023 01:13  
Operator : SY/MD  
Sample : 03420-16  
Misc : 4.97g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A46F1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062623SMA.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 |
| 1,1'-Biphenyl, ... | 14.848 | 9.8     | ug/L  | 1422100  | 3                     | 13.556 | 3622160 | 25.0 |
| (DEL) Alkane: S... | 16.275 | 1.8     | ug/L  | 257670   | 3                     | 13.556 | 3622160 | 25.0 |