

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
 Data File : VW026896.D  
 Acq On : 25 Aug 2023 15:31  
 Operator : SY/MD  
 Sample : 04157-01  
 Misc : 5.28g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCHT5

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\SFAMWLM081023SMA.M  
 Title : SFAM01.0

Signal : TIC: VW026896.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         | 2.027       | 21            | 23          | 25           | rVB2     | 2134           | 1426          | 0.04%           | 0.006%        |
| 2         | 2.143       | 40            | 42          | 43           | rBV2     | 3262           | 2595          | 0.08%           | 0.010%        |
| 3         | 2.210       | 48            | 53          | 55           | rBV6     | 7773           | 13085         | 0.41%           | 0.051%        |
| 4         | 2.235       | 55            | 57          | 58           | rVV2     | 2953           | 2479          | 0.08%           | 0.010%        |
| 5         | 2.363       | 71            | 78          | 92           | rBV      | 81689          | 254380        | 7.96%           | 0.985%        |
| 6         | 2.893       | 158           | 165         | 179          | rBV      | 92372          | 267994        | 8.38%           | 1.038%        |
| 7         | 3.259       | 224           | 225         | 227          | rVB2     | 2198           | 1207          | 0.04%           | 0.005%        |
| 8         | 3.283       | 227           | 229         | 233          | rVB5     | 2003           | 2704          | 0.08%           | 0.010%        |
| 9         | 3.326       | 233           | 236         | 237          | rBV3     | 1315           | 1526          | 0.05%           | 0.006%        |
| 10        | 3.369       | 241           | 243         | 244          | rBV2     | 2054           | 1907          | 0.06%           | 0.007%        |
| 11        | 3.448       | 255           | 256         | 258          | rBV2     | 1659           | 1231          | 0.04%           | 0.005%        |
| 12        | 3.503       | 263           | 265         | 267          | rBV3     | 1610           | 1665          | 0.05%           | 0.006%        |
| 13        | 3.612       | 281           | 283         | 284          | rBV2     | 1498           | 1245          | 0.04%           | 0.005%        |
| 14        | 3.667       | 290           | 292         | 294          | rVB3     | 1643           | 1247          | 0.04%           | 0.005%        |
| 15        | 3.692       | 294           | 296         | 298          | rVB3     | 2201           | 1869          | 0.06%           | 0.007%        |
| 16        | 3.722       | 298           | 301         | 302          | rBV3     | 1557           | 1991          | 0.06%           | 0.008%        |
| 17        | 3.759       | 305           | 307         | 309          | rVB3     | 1450           | 1178          | 0.04%           | 0.005%        |
| 18        | 3.856       | 316           | 323         | 324          | rBV5     | 2017           | 2915          | 0.09%           | 0.011%        |
| 19        | 3.899       | 327           | 330         | 332          | rBV4     | 1196           | 1732          | 0.05%           | 0.007%        |
| 20        | 4.027       | 338           | 351         | 373          | rBV      | 212977         | 805774        | 25.21%          | 3.121%        |
| 21        | 4.307       | 395           | 397         | 399          | rBV3     | 1697           | 1627          | 0.05%           | 0.006%        |
| 22        | 4.375       | 404           | 408         | 409          | rBV4     | 1532           | 1663          | 0.05%           | 0.006%        |
| 23        | 4.399       | 409           | 412         | 416          | rVB6     | 1815           | 3029          | 0.09%           | 0.012%        |
| 24        | 4.576       | 438           | 441         | 443          | rBV4     | 1231           | 1351          | 0.04%           | 0.005%        |
| 25        | 4.631       | 449           | 450         | 453          | rVB2     | 1473           | 1090          | 0.03%           | 0.004%        |
| 26        | 4.698       | 455           | 461         | 462          | rVB6     | 1091           | 1739          | 0.05%           | 0.007%        |
| 27        | 4.740       | 465           | 468         | 471          | rBV5     | 928            | 1238          | 0.04%           | 0.005%        |
| 28        | 4.923       | 485           | 498         | 521          | rBV2     | 67929          | 319457        | 10.00%          | 1.237%        |
| 29        | 5.118       | 527           | 530         | 533          | rBV5     | 2677           | 4173          | 0.13%           | 0.016%        |
| 30        | 5.167       | 537           | 538         | 542          | rVB4     | 2601           | 1713          | 0.05%           | 0.007%        |
| 31        | 5.234       | 546           | 549         | 551          | rVB4     | 1336           | 1206          | 0.04%           | 0.005%        |
| 32        | 5.295       | 557           | 559         | 562          | rVB4     | 1858           | 1880          | 0.06%           | 0.007%        |
| 33        | 5.332       | 562           | 565         | 567          | rBV4     | 1419           | 1979          | 0.06%           | 0.008%        |
| 34        | 5.380       | 569           | 573         | 574          | rBV3     | 1009           | 1418          | 0.04%           | 0.005%        |
| 35        | 5.399       | 574           | 576         | 578          | rVB3     | 1295           | 1240          | 0.04%           | 0.005%        |
| 36        | 5.521       | 593           | 596         | 597          | rVV3     | 2155           | 1924          | 0.06%           | 0.007%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
 Data File : VW026896.D  
 Acq On : 25 Aug 2023 15:31  
 Operator : SY/MD  
 Sample : 04157-01  
 Misc : 5.28g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCHT5

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\SFAMWLM081023SMA.M  
 Title : SFAM01.0

|    |       |     |     |     |      |        |         |        |        |
|----|-------|-----|-----|-----|------|--------|---------|--------|--------|
| 37 | 5.551 | 600 | 601 | 603 | rVV2 | 1919   | 1717    | 0.05%  | 0.007% |
| 38 | 5.588 | 603 | 607 | 610 | rVV5 | 1771   | 2585    | 0.08%  | 0.010% |
| 39 | 5.618 | 610 | 612 | 613 | rVV2 | 1541   | 1521    | 0.05%  | 0.006% |
| 40 | 5.636 | 613 | 615 | 616 | rVV2 | 1471   | 1181    | 0.04%  | 0.005% |
| 41 | 5.661 | 616 | 619 | 622 | rVV5 | 1089   | 1720    | 0.05%  | 0.007% |
| 42 | 5.728 | 625 | 630 | 633 | rVV7 | 1409   | 2304    | 0.07%  | 0.009% |
| 43 | 5.764 | 635 | 636 | 641 | rVV5 | 1349   | 1853    | 0.06%  | 0.007% |
| 44 | 5.813 | 641 | 644 | 646 | rVV4 | 1281   | 1952    | 0.06%  | 0.008% |
| 45 | 5.850 | 646 | 650 | 651 | rVV4 | 1531   | 1728    | 0.05%  | 0.007% |
| 46 | 5.880 | 653 | 655 | 656 | rVV2 | 2149   | 1506    | 0.05%  | 0.006% |
| 47 | 5.935 | 656 | 664 | 675 | rVV4 | 24869  | 81300   | 2.54%  | 0.315% |
| 48 | 6.014 | 675 | 677 | 682 | rVB5 | 1333   | 1556    | 0.05%  | 0.006% |
| 49 | 6.075 | 685 | 687 | 689 | rVB3 | 1560   | 1354    | 0.04%  | 0.005% |
| 50 | 6.100 | 689 | 691 | 692 | rBV2 | 1257   | 1117    | 0.03%  | 0.004% |
| 51 | 6.124 | 692 | 695 | 696 | rVV3 | 1439   | 1304    | 0.04%  | 0.005% |
| 52 | 6.173 | 702 | 703 | 707 | rBV4 | 1078   | 1484    | 0.05%  | 0.006% |
| 53 | 6.216 | 709 | 710 | 711 | rBV  | 2446   | 1247    | 0.04%  | 0.005% |
| 54 | 6.240 | 711 | 714 | 717 | rVV5 | 1299   | 1789    | 0.06%  | 0.007% |
| 55 | 6.271 | 717 | 719 | 721 | rVV3 | 1171   | 1124    | 0.04%  | 0.004% |
| 56 | 6.386 | 735 | 738 | 743 | rVB7 | 2691   | 3840    | 0.12%  | 0.015% |
| 57 | 6.429 | 743 | 745 | 748 | rBV4 | 1521   | 2002    | 0.06%  | 0.008% |
| 58 | 6.466 | 748 | 751 | 755 | rBV6 | 866    | 1380    | 0.04%  | 0.005% |
| 59 | 6.527 | 758 | 761 | 763 | rVB4 | 1542   | 1402    | 0.04%  | 0.005% |
| 60 | 6.545 | 763 | 764 | 767 | rBV2 | 1005   | 1199    | 0.04%  | 0.005% |
| 61 | 6.746 | 794 | 797 | 799 | rVB4 | 1464   | 1390    | 0.04%  | 0.005% |
| 62 | 6.856 | 813 | 815 | 817 | rBV3 | 1185   | 1154    | 0.04%  | 0.004% |
| 63 | 6.898 | 817 | 822 | 823 | rBV5 | 1248   | 1676    | 0.05%  | 0.006% |
| 64 | 6.978 | 833 | 835 | 837 | rBV3 | 1342   | 1344    | 0.04%  | 0.005% |
| 65 | 7.002 | 837 | 839 | 842 | rVB4 | 2050   | 2203    | 0.07%  | 0.009% |
| 66 | 7.075 | 842 | 851 | 857 | rBV  | 129931 | 364889  | 11.42% | 1.413% |
| 67 | 7.136 | 857 | 861 | 873 | rVB2 | 69929  | 185214  | 5.79%  | 0.717% |
| 68 | 7.307 | 888 | 889 | 896 | rVB7 | 1432   | 1923    | 0.06%  | 0.007% |
| 69 | 7.411 | 903 | 906 | 908 | rBV4 | 1280   | 1504    | 0.05%  | 0.006% |
| 70 | 7.514 | 921 | 923 | 926 | rBV4 | 1424   | 1383    | 0.04%  | 0.005% |
| 71 | 7.545 | 926 | 928 | 932 | rBV5 | 1004   | 1350    | 0.04%  | 0.005% |
| 72 | 7.648 | 934 | 945 | 959 | rVB  | 549772 | 1341638 | 41.98% | 5.197% |
| 73 | 7.789 | 966 | 968 | 972 | rVB5 | 2342   | 2918    | 0.09%  | 0.011% |
| 74 | 7.819 | 972 | 973 | 976 | rBV3 | 1167   | 1235    | 0.04%  | 0.005% |
| 75 | 7.874 | 976 | 982 | 983 | rBV5 | 1884   | 2563    | 0.08%  | 0.010% |
| 76 | 7.923 | 988 | 990 | 993 | rBV4 | 917    | 1149    | 0.04%  | 0.004% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
 Data File : VW026896.D  
 Acq On : 25 Aug 2023 15:31  
 Operator : SY/MD  
 Sample : 04157-01  
 Misc : 5.28g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCHT5

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\SFAMWLM081023SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |       |         |         |         |         |
|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 77  | 8.002  | 1002 | 1003 | 1006 | rVB3  | 1447    | 1174    | 0.04%   | 0.005%  |
| 78  | 8.045  | 1006 | 1010 | 1012 | rBV4  | 1627    | 2142    | 0.07%   | 0.008%  |
| 79  | 8.063  | 1012 | 1013 | 1015 | rBV2  | 2178    | 1851    | 0.06%   | 0.007%  |
| 80  | 8.185  | 1031 | 1033 | 1034 | rBV2  | 1746    | 1744    | 0.05%   | 0.007%  |
| 81  | 8.276  | 1036 | 1048 | 1063 | rVV2  | 1045934 | 3196158 | 100.00% | 12.381% |
| 82  | 8.612  | 1102 | 1103 | 1105 | rBV2  | 1665    | 1465    | 0.05%   | 0.006%  |
| 83  | 8.837  | 1131 | 1140 | 1152 | rBV   | 1141802 | 2297075 | 71.87%  | 8.898%  |
| 84  | 9.081  | 1175 | 1180 | 1186 | rVB10 | 4793    | 8824    | 0.28%   | 0.034%  |
| 85  | 9.270  | 1203 | 1211 | 1222 | rBV   | 773627  | 1588532 | 49.70%  | 6.153%  |
| 86  | 10.032 | 1329 | 1336 | 1347 | rBV   | 407795  | 755438  | 23.64%  | 2.926%  |
| 87  | 10.270 | 1373 | 1375 | 1376 | rBV2  | 3367    | 3327    | 0.10%   | 0.013%  |
| 88  | 10.325 | 1376 | 1384 | 1393 | rVV   | 1386321 | 2501206 | 78.26%  | 9.689%  |
| 89  | 10.575 | 1419 | 1425 | 1435 | rBV   | 266122  | 471936  | 14.77%  | 1.828%  |
| 90  | 10.703 | 1441 | 1446 | 1452 | rBV   | 29071   | 51866   | 1.62%   | 0.201%  |
| 91  | 10.922 | 1476 | 1482 | 1495 | rBV   | 357365  | 645106  | 20.18%  | 2.499%  |
| 92  | 11.062 | 1501 | 1505 | 1512 | rVB   | 22713   | 38894   | 1.22%   | 0.151%  |
| 93  | 11.629 | 1591 | 1598 | 1606 | rBV   | 1729258 | 2912637 | 91.13%  | 11.282% |
| 94  | 12.599 | 1754 | 1757 | 1765 | rVB2  | 71941   | 141920  | 4.44%   | 0.550%  |
| 95  | 12.690 | 1766 | 1772 | 1779 | rBV   | 717824  | 1160663 | 36.31%  | 4.496%  |
| 96  | 13.269 | 1859 | 1867 | 1878 | rBV4  | 95371   | 400328  | 12.53%  | 1.551%  |
| 97  | 13.556 | 1908 | 1914 | 1926 | rBV   | 1970956 | 3130119 | 97.93%  | 12.125% |
| 98  | 13.848 | 1955 | 1962 | 1970 | rBV   | 1478003 | 2467074 | 77.19%  | 9.556%  |
| 99  | 15.318 | 2199 | 2203 | 2209 | rVB2  | 87993   | 128153  | 4.01%   | 0.496%  |
| 100 | 16.275 | 2355 | 2360 | 2366 | rBV   | 83386   | 157706  | 4.93%   | 0.611%  |

Sum of corrected areas: 25815913

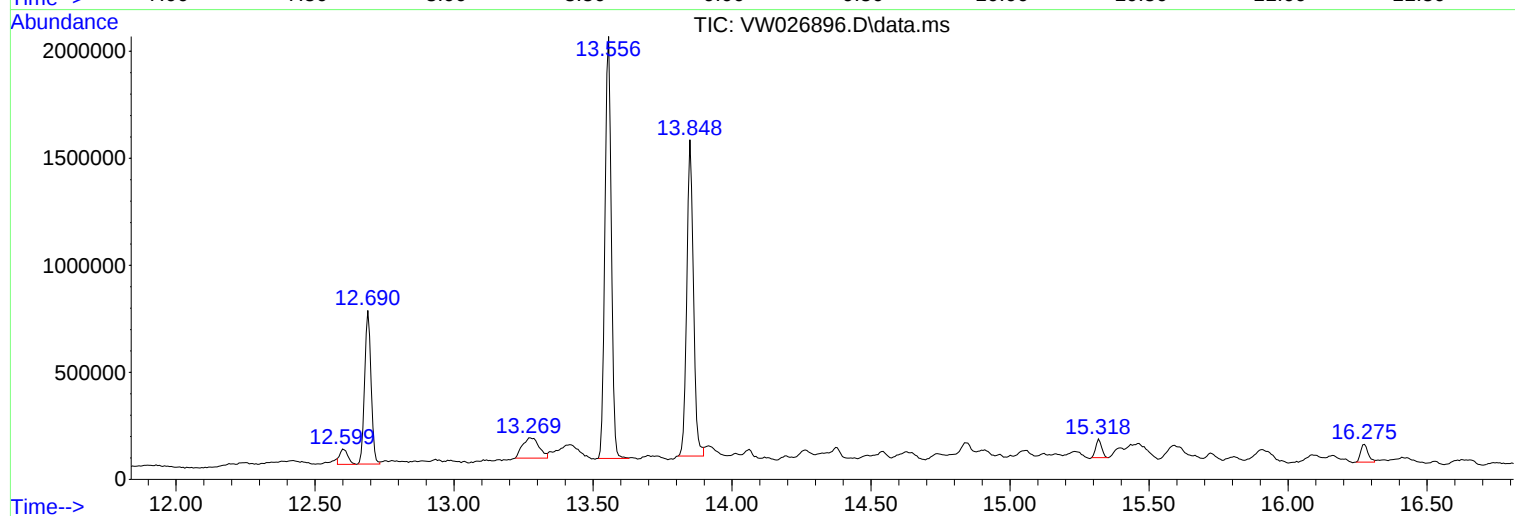
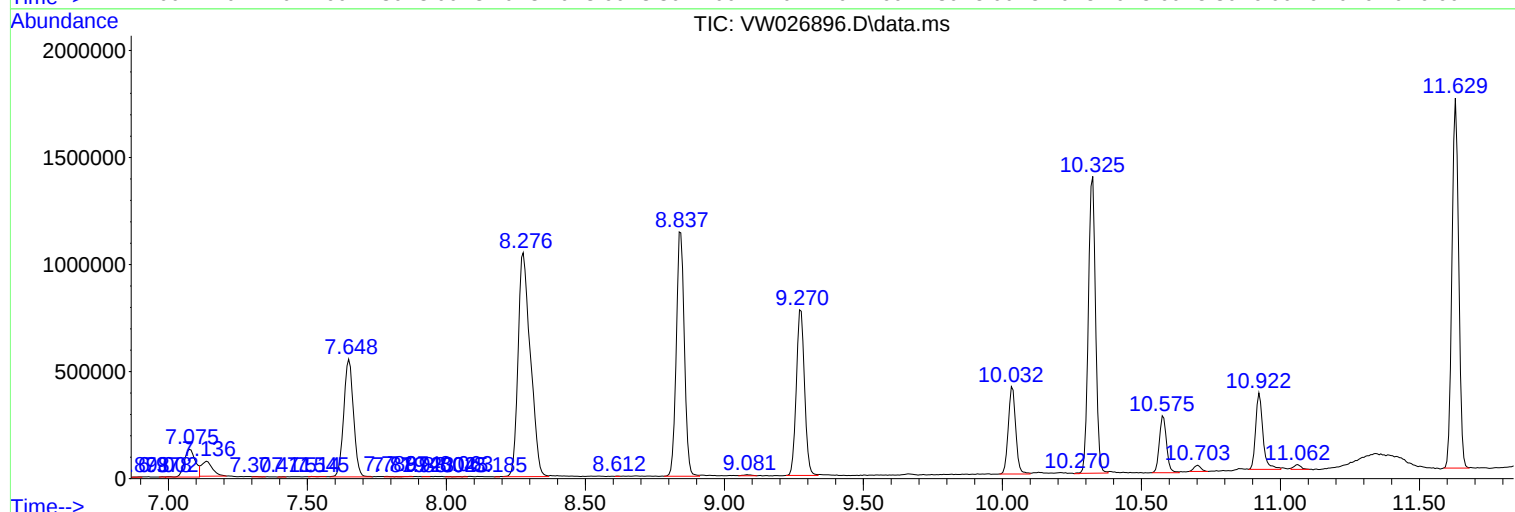
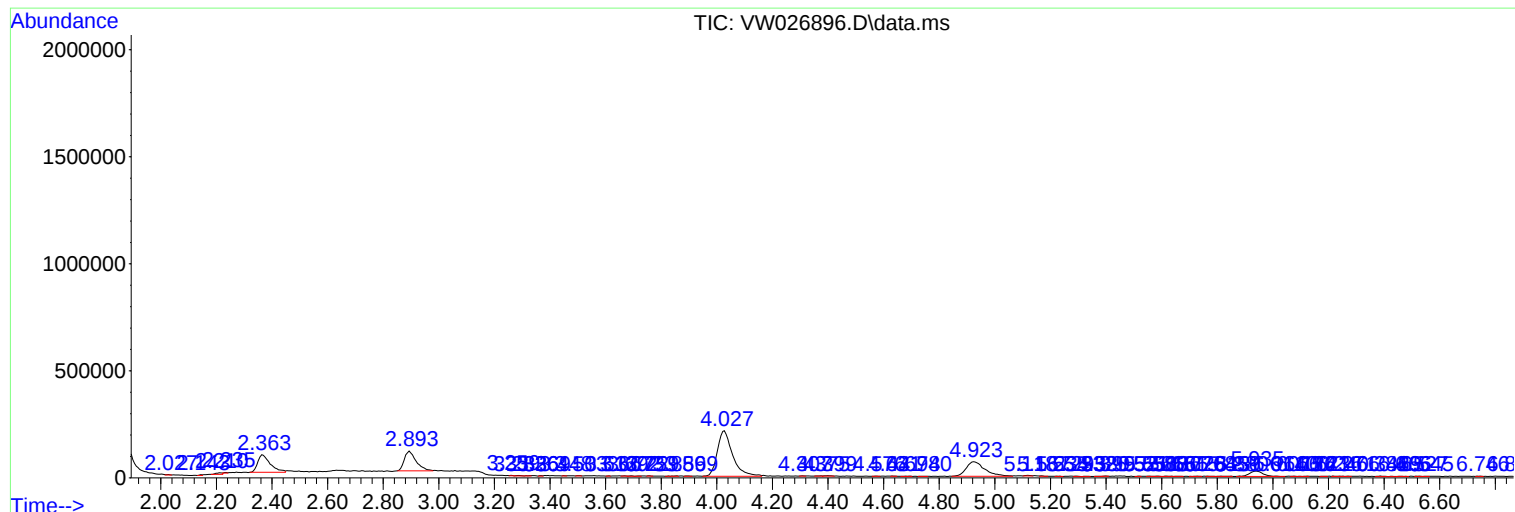
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026896.D  
Acq On : 25 Aug 2023 15:31  
Operator : SY/MD  
Sample : 04157-01  
Misc : 5.28g/10mL/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHT5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026896.D  
Acq On : 25 Aug 2023 15:31  
Operator : SY/MD  
Sample : 04157-01  
Misc : 5.28g/10mL/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHT5

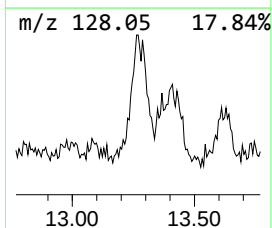
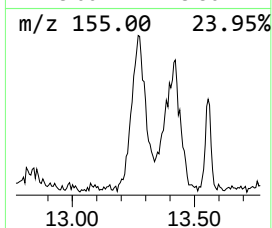
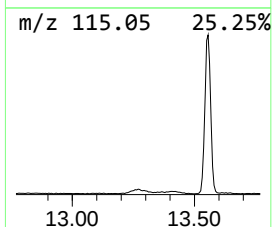
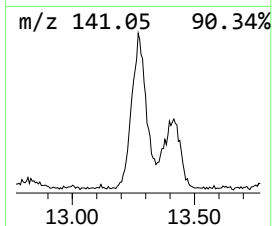
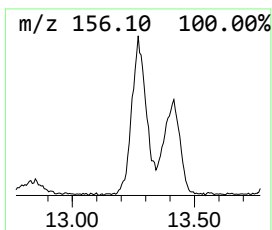
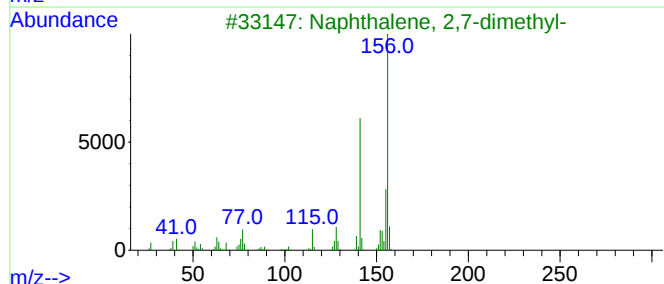
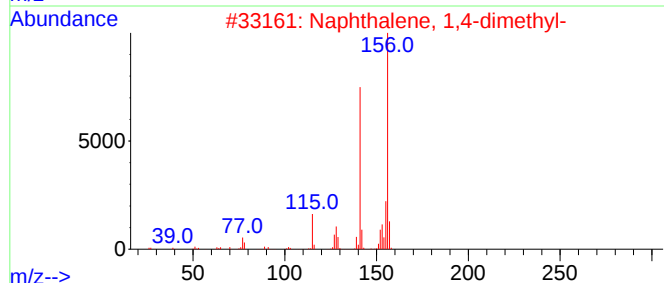
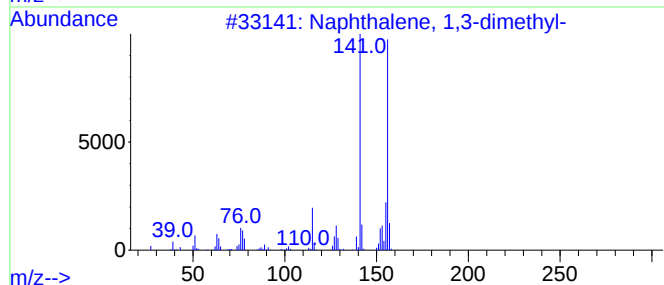
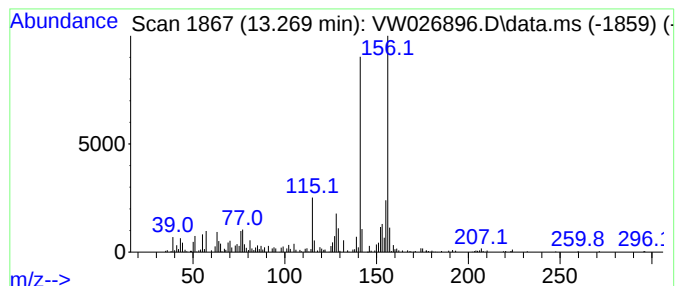
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.269 | 3.20 ug/L | 400328 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 2    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 95   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |
| 4    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |
| 5    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026896.D  
Acq On : 25 Aug 2023 15:31  
Operator : SY/MD  
Sample : 04157-01  
Misc : 5.28g/10mL/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHT5

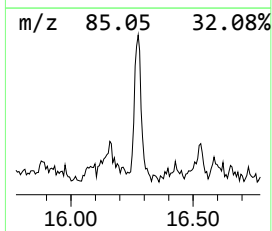
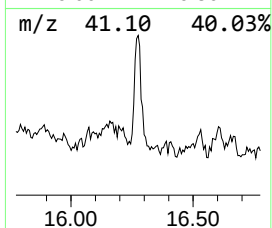
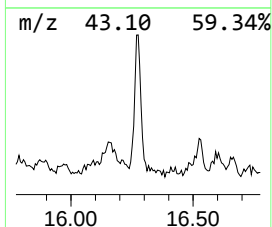
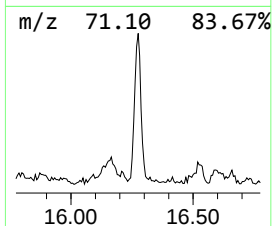
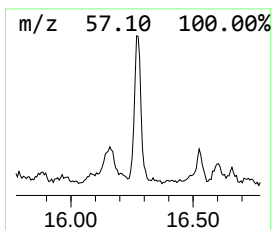
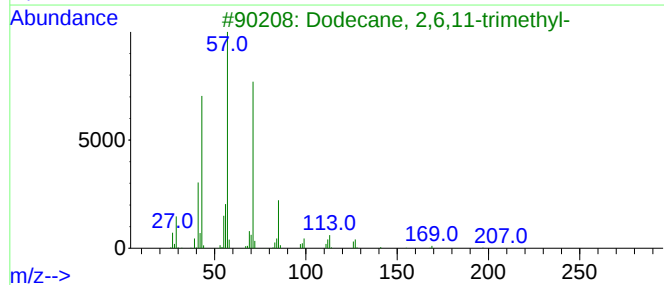
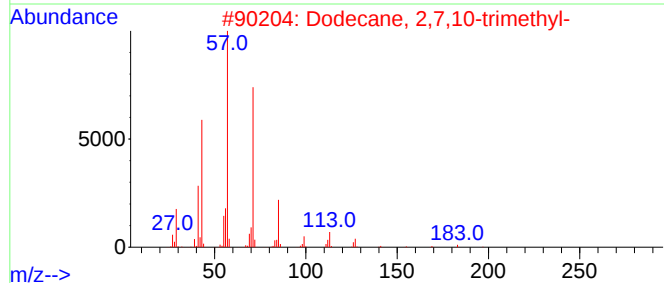
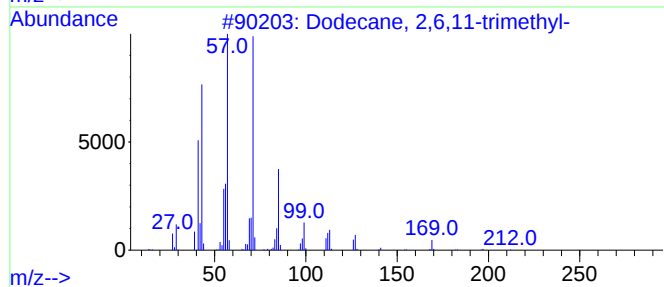
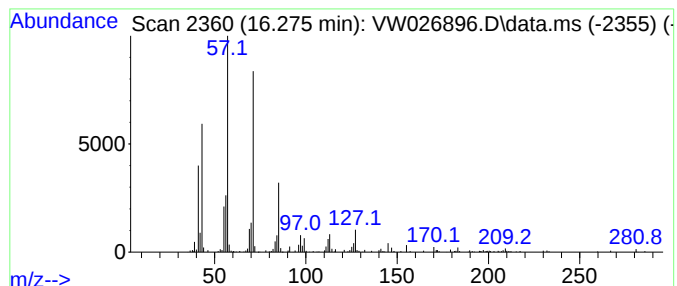
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.275 | 1.26 ug/L | 157706 | 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 | 86   |
| 3    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 86   |
| 4    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 72   |
| 5    |    |   | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026896.D  
Acq On : 25 Aug 2023 15:31  
Operator : SY/MD  
Sample : 04157-01  
Misc : 5.28g/10mL/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHT5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.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 |
| Naphthalene, 1,... | 13.269 | 3.2     | ug/L  | 400328   | 3                     | 13.556 | 3130120 | 25.0 |
| (DEL) Alkane: S... | 16.275 | 1.3     | ug/L  | 157706   | 3                     | 13.556 | 3130120 | 25.0 |