

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071724\  
 Data File : VW029614.D  
 Acq On : 17 Jul 2024 14:20  
 Operator : SY/MD  
 Sample : P3263-18  
 Misc : 5.47g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CK8

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\SFAMWLM070824SMA.M  
 Title : SFAM01.0

Signal : TIC: VW029614.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         | 2.119       | 37            | 38          | 40           | rBV2     | 670            | 566           | 0.10%           | 0.017%        |
| 2         | 2.363       | 73            | 78          | 92           | rVB      | 40146          | 93314         | 16.23%          | 2.726%        |
| 3         | 2.899       | 160           | 166         | 179          | rVB2     | 28446          | 82488         | 14.34%          | 2.410%        |
| 4         | 3.314       | 233           | 234         | 236          | rBV2     | 784            | 627           | 0.11%           | 0.018%        |
| 5         | 3.661       | 288           | 291         | 293          | rBV3     | 733            | 931           | 0.16%           | 0.027%        |
| 6         | 3.856       | 322           | 323         | 326          | rVB3     | 574            | 414           | 0.07%           | 0.012%        |
| 7         | 4.021       | 340           | 350         | 369          | rBV      | 56913          | 192923        | 33.55%          | 5.635%        |
| 8         | 4.381       | 406           | 409         | 411          | rBV4     | 541            | 722           | 0.13%           | 0.021%        |
| 9         | 4.521       | 430           | 432         | 435          | rBV4     | 323            | 398           | 0.07%           | 0.012%        |
| 10        | 4.606       | 441           | 446         | 447          | rBV4     | 1675           | 2689          | 0.47%           | 0.079%        |
| 11        | 4.777       | 472           | 474         | 476          | rVB2     | 834            | 609           | 0.11%           | 0.018%        |
| 12        | 4.819       | 479           | 481         | 482          | rBV      | 453            | 352           | 0.06%           | 0.010%        |
| 13        | 4.917       | 486           | 497         | 518          | rBV      | 48695          | 194179        | 33.76%          | 5.672%        |
| 14        | 5.143       | 532           | 534         | 536          | rBV3     | 710            | 807           | 0.14%           | 0.024%        |
| 15        | 5.197       | 542           | 543         | 544          | rBV      | 497            | 336           | 0.06%           | 0.010%        |
| 16        | 5.405       | 575           | 577         | 580          | rVB2     | 683            | 544           | 0.09%           | 0.016%        |
| 17        | 5.435       | 580           | 582         | 584          | rBV2     | 481            | 428           | 0.07%           | 0.013%        |
| 18        | 5.527       | 595           | 597         | 600          | rVB4     | 531            | 470           | 0.08%           | 0.014%        |
| 19        | 5.551       | 600           | 601         | 604          | rBV2     | 602            | 608           | 0.11%           | 0.018%        |
| 20        | 5.600       | 608           | 609         | 614          | rVB3     | 642            | 538           | 0.09%           | 0.016%        |
| 21        | 5.679       | 620           | 622         | 625          | rBV2     | 382            | 512           | 0.09%           | 0.015%        |
| 22        | 5.716       | 625           | 628         | 629          | rVB3     | 480            | 439           | 0.08%           | 0.013%        |
| 23        | 5.734       | 629           | 631         | 632          | rBV2     | 650            | 341           | 0.06%           | 0.010%        |
| 24        | 5.856       | 649           | 651         | 654          | rVB2     | 875            | 826           | 0.14%           | 0.024%        |
| 25        | 5.947       | 654           | 666         | 679          | rBV3     | 9863           | 33366         | 5.80%           | 0.975%        |
| 26        | 6.069       | 684           | 686         | 689          | rVB4     | 427            | 563           | 0.10%           | 0.016%        |
| 27        | 6.368       | 734           | 735         | 739          | rBV3     | 435            | 694           | 0.12%           | 0.020%        |
| 28        | 6.484       | 750           | 754         | 758          | rBV6     | 833            | 1336          | 0.23%           | 0.039%        |
| 29        | 6.520       | 758           | 760         | 765          | rVB4     | 618            | 978           | 0.17%           | 0.029%        |
| 30        | 6.563       | 765           | 767         | 769          | rBV3     | 825            | 685           | 0.12%           | 0.020%        |
| 31        | 6.606       | 772           | 774         | 779          | rVB4     | 578            | 833           | 0.14%           | 0.024%        |
| 32        | 6.856       | 813           | 815         | 819          | rVV2     | 585            | 462           | 0.08%           | 0.013%        |
| 33        | 6.898       | 821           | 822         | 823          | rBV      | 608            | 433           | 0.08%           | 0.013%        |
| 34        | 6.953       | 829           | 831         | 832          | rBV2     | 373            | 338           | 0.06%           | 0.010%        |
| 35        | 6.996       | 836           | 838         | 840          | rVB3     | 911            | 439           | 0.08%           | 0.013%        |
| 36        | 7.075       | 843           | 851         | 869          | rBV      | 21838          | 74891         | 13.02%          | 2.188%        |

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 MSVOA\_W  
 ClientSampleId :  
 A4CK8

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\SFAMWLM070824SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 7.404  | 903  | 905  | 907  | rBV3 | 600    | 451    | 0.08%   | 0.013%  |
| 38 | 7.429  | 907  | 909  | 912  | rVV4 | 699    | 782    | 0.14%   | 0.023%  |
| 39 | 7.514  | 920  | 923  | 924  | rBV2 | 695    | 619    | 0.11%   | 0.018%  |
| 40 | 7.648  | 936  | 945  | 959  | rBV  | 104131 | 257031 | 44.69%  | 7.508%  |
| 41 | 7.923  | 988  | 990  | 991  | rBV2 | 386    | 340    | 0.06%   | 0.010%  |
| 42 | 7.996  | 1000 | 1002 | 1004 | rBV3 | 506    | 621    | 0.11%   | 0.018%  |
| 43 | 8.093  | 1016 | 1018 | 1020 | rBV2 | 407    | 447    | 0.08%   | 0.013%  |
| 44 | 8.209  | 1034 | 1037 | 1038 | rBV  | 671    | 473    | 0.08%   | 0.014%  |
| 45 | 8.276  | 1038 | 1048 | 1065 | rBV2 | 176922 | 575095 | 100.00% | 16.799% |
| 46 | 8.514  | 1085 | 1087 | 1090 | rVB4 | 707    | 519    | 0.09%   | 0.015%  |
| 47 | 8.575  | 1095 | 1097 | 1100 | rBV3 | 436    | 471    | 0.08%   | 0.014%  |
| 48 | 8.691  | 1112 | 1116 | 1120 | rBV5 | 1028   | 1612   | 0.28%   | 0.047%  |
| 49 | 8.782  | 1126 | 1131 | 1132 | rBV4 | 692    | 998    | 0.17%   | 0.029%  |
| 50 | 8.843  | 1132 | 1141 | 1155 | rVV  | 238727 | 473489 | 82.33%  | 13.831% |
| 51 | 9.081  | 1175 | 1180 | 1183 | rBV6 | 1678   | 2426   | 0.42%   | 0.071%  |
| 52 | 9.270  | 1203 | 1211 | 1222 | rBV  | 141134 | 291955 | 50.77%  | 8.528%  |
| 53 | 9.599  | 1262 | 1265 | 1266 | rBV3 | 792    | 914    | 0.16%   | 0.027%  |
| 54 | 9.733  | 1285 | 1287 | 1288 | rVB2 | 902    | 583    | 0.10%   | 0.017%  |
| 55 | 9.831  | 1300 | 1303 | 1305 | rVB3 | 383    | 336    | 0.06%   | 0.010%  |
| 56 | 9.855  | 1305 | 1307 | 1310 | rBV3 | 483    | 706    | 0.12%   | 0.021%  |
| 57 | 10.032 | 1329 | 1336 | 1346 | rVB  | 33271  | 61962  | 10.77%  | 1.810%  |
| 58 | 10.318 | 1375 | 1383 | 1394 | rBV  | 147005 | 269881 | 46.93%  | 7.883%  |
| 59 | 10.477 | 1407 | 1409 | 1410 | rBV  | 774    | 734    | 0.13%   | 0.021%  |
| 60 | 10.575 | 1419 | 1425 | 1436 | rBV  | 23226  | 44137  | 7.67%   | 1.289%  |
| 61 | 10.703 | 1440 | 1446 | 1450 | rBV  | 5113   | 8860   | 1.54%   | 0.259%  |
| 62 | 10.861 | 1466 | 1472 | 1477 | rVV2 | 8057   | 15661  | 2.72%   | 0.457%  |
| 63 | 10.922 | 1477 | 1482 | 1496 | rVB  | 28159  | 56448  | 9.82%   | 1.649%  |
| 64 | 11.160 | 1519 | 1521 | 1523 | rBV2 | 863    | 729    | 0.13%   | 0.021%  |
| 65 | 11.215 | 1528 | 1530 | 1535 | rVB4 | 702    | 824    | 0.14%   | 0.024%  |
| 66 | 11.324 | 1546 | 1548 | 1550 | rBV2 | 375    | 338    | 0.06%   | 0.010%  |
| 67 | 11.574 | 1587 | 1589 | 1590 | rBV  | 520    | 500    | 0.09%   | 0.015%  |
| 68 | 11.629 | 1591 | 1598 | 1609 | rVB  | 188735 | 317638 | 55.23%  | 9.278%  |
| 69 | 11.867 | 1635 | 1637 | 1640 | rVB3 | 914    | 688    | 0.12%   | 0.020%  |
| 70 | 12.111 | 1673 | 1677 | 1679 | rVB4 | 420    | 595    | 0.10%   | 0.017%  |
| 71 | 12.349 | 1713 | 1716 | 1718 | rBV2 | 712    | 831    | 0.14%   | 0.024%  |
| 72 | 12.373 | 1718 | 1720 | 1724 | rVB4 | 484    | 623    | 0.11%   | 0.018%  |
| 73 | 12.422 | 1726 | 1728 | 1730 | rBV3 | 456    | 356    | 0.06%   | 0.010%  |
| 74 | 12.471 | 1732 | 1736 | 1742 | rVB6 | 1015   | 2037   | 0.35%   | 0.060%  |
| 75 | 12.599 | 1751 | 1757 | 1763 | rVB5 | 2428   | 4463   | 0.78%   | 0.130%  |
| 76 | 12.690 | 1763 | 1772 | 1780 | rBV2 | 61118  | 102619 | 17.84%  | 2.998%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CK8

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\SFAMWLM070824SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |        |        |        |
|-----|--------|------|------|------|------|-------|--------|--------|--------|
| 77  | 12.788 | 1786 | 1788 | 1790 | rBV3 | 332   | 328    | 0.06%  | 0.010% |
| 78  | 12.873 | 1800 | 1802 | 1803 | rBV2 | 667   | 412    | 0.07%  | 0.012% |
| 79  | 12.940 | 1812 | 1813 | 1816 | rBV3 | 476   | 499    | 0.09%  | 0.015% |
| 80  | 13.019 | 1824 | 1826 | 1829 | rBV3 | 528   | 599    | 0.10%  | 0.017% |
| 81  | 13.166 | 1847 | 1850 | 1851 | rBV2 | 557   | 501    | 0.09%  | 0.015% |
| 82  | 13.190 | 1851 | 1854 | 1858 | rVB3 | 1871  | 2860   | 0.50%  | 0.084% |
| 83  | 13.269 | 1858 | 1867 | 1877 | rBV3 | 9632  | 21927  | 3.81%  | 0.640% |
| 84  | 13.403 | 1882 | 1889 | 1893 | rVB7 | 3112  | 5246   | 0.91%  | 0.153% |
| 85  | 13.464 | 1895 | 1899 | 1902 | rBV5 | 1653  | 2619   | 0.46%  | 0.077% |
| 86  | 13.556 | 1908 | 1914 | 1926 | rBV  | 70791 | 122924 | 21.37% | 3.591% |
| 87  | 13.848 | 1956 | 1962 | 1968 | rBV  | 36808 | 62831  | 10.93% | 1.835% |
| 88  | 14.269 | 2029 | 2031 | 2034 | rVB3 | 524   | 490    | 0.09%  | 0.014% |
| 89  | 14.318 | 2035 | 2039 | 2043 | rBV4 | 1143  | 2035   | 0.35%  | 0.059% |
| 90  | 14.519 | 2067 | 2072 | 2075 | rVB4 | 1641  | 2540   | 0.44%  | 0.074% |
| 91  | 14.696 | 2098 | 2101 | 2103 | rBV3 | 782   | 1131   | 0.20%  | 0.033% |
| 92  | 14.836 | 2121 | 2124 | 2125 | rBV2 | 541   | 516    | 0.09%  | 0.015% |
| 93  | 14.927 | 2137 | 2139 | 2140 | rBV2 | 463   | 392    | 0.07%  | 0.011% |
| 94  | 15.232 | 2188 | 2189 | 2194 | rVB3 | 803   | 827    | 0.14%  | 0.024% |
| 95  | 15.318 | 2201 | 2203 | 2204 | rBV2 | 689   | 552    | 0.10%  | 0.016% |
| 96  | 15.909 | 2298 | 2300 | 2302 | rBV2 | 734   | 573    | 0.10%  | 0.017% |
| 97  | 15.976 | 2309 | 2311 | 2312 | rBV  | 529   | 333    | 0.06%  | 0.010% |
| 98  | 16.208 | 2347 | 2349 | 2352 | rBB3 | 804   | 628    | 0.11%  | 0.018% |
| 99  | 16.433 | 2382 | 2386 | 2387 | rBV4 | 813   | 923    | 0.16%  | 0.027% |
| 100 | 16.677 | 2422 | 2426 | 2427 | rBV3 | 659   | 873    | 0.15%  | 0.026% |

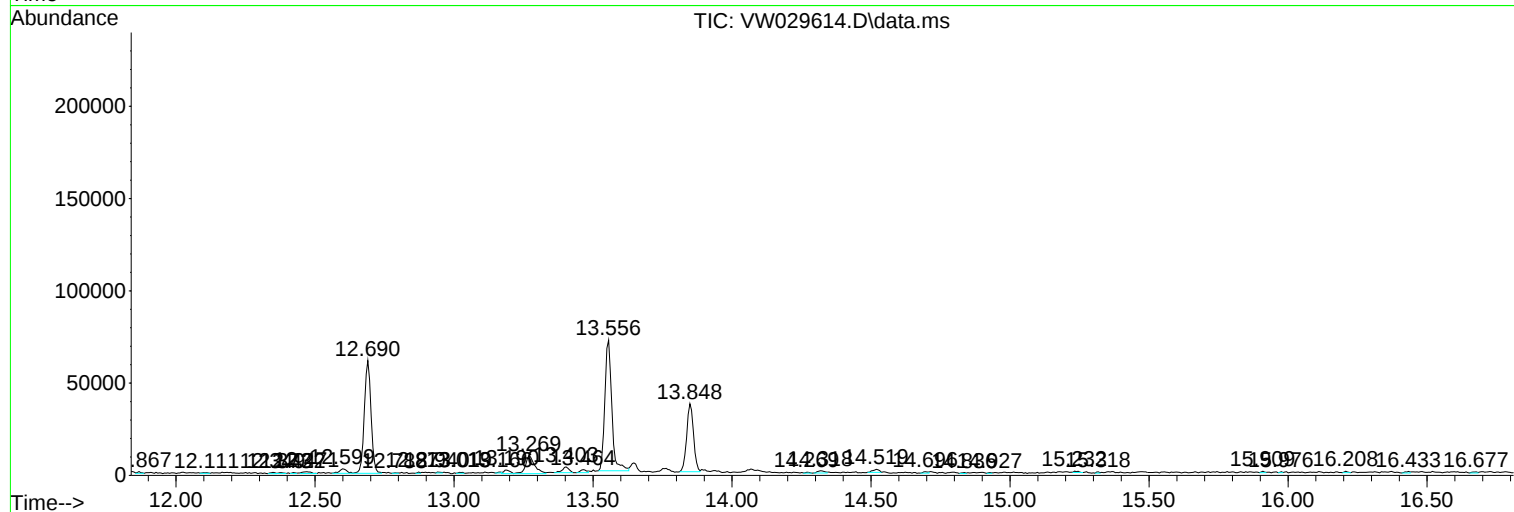
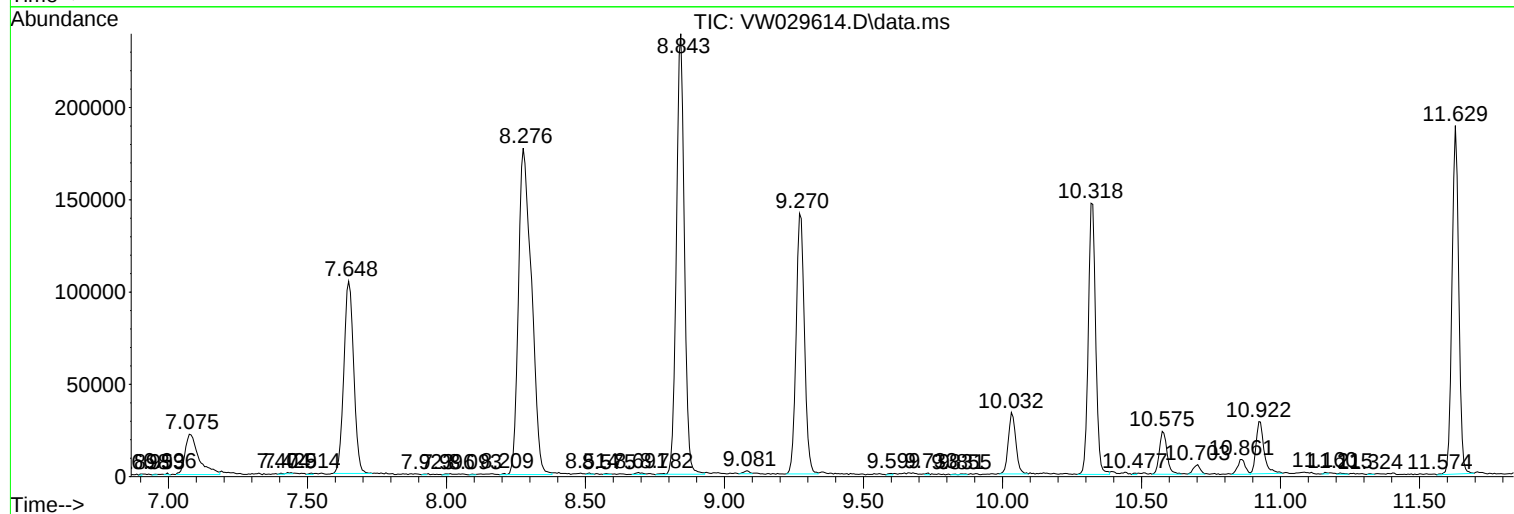
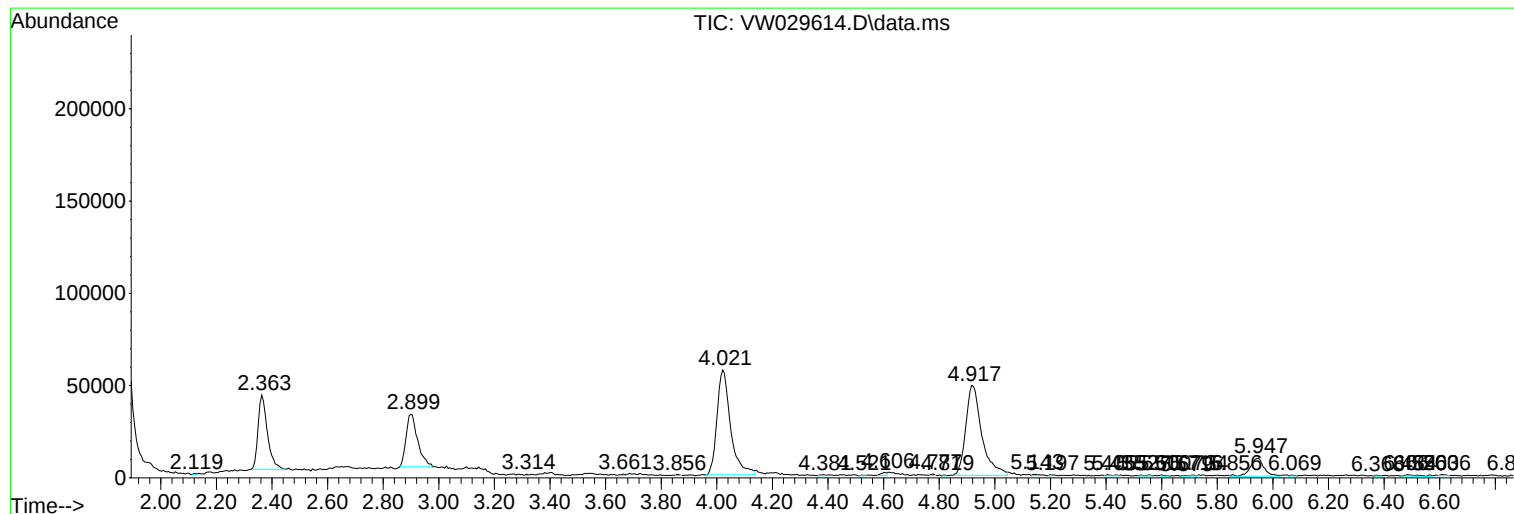
Sum of corrected areas: 3423430

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071724\  
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Instrument :  
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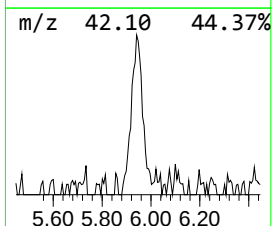
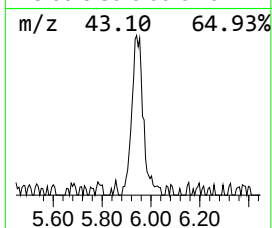
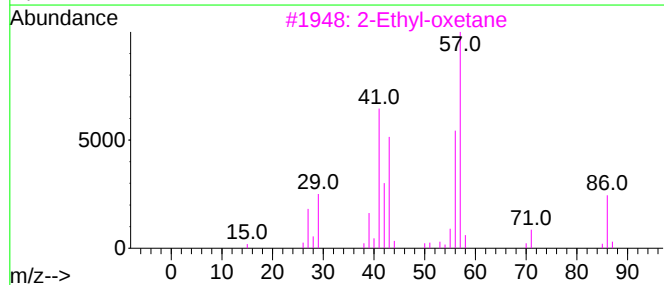
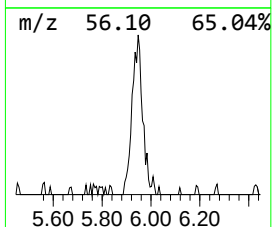
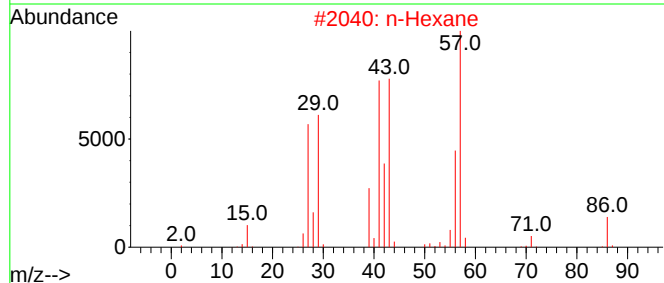
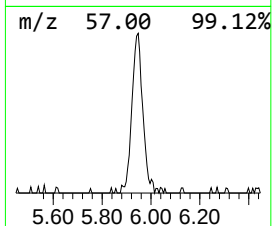
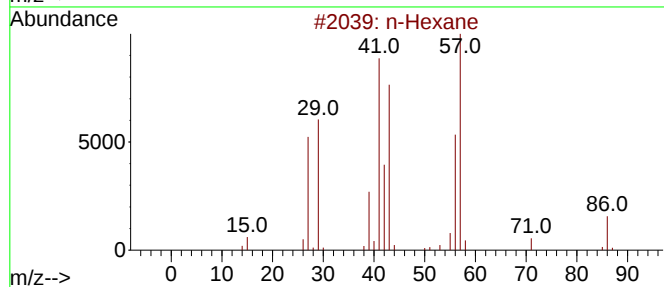
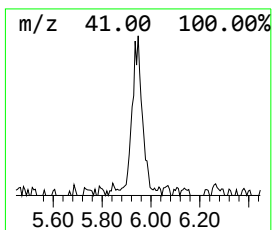
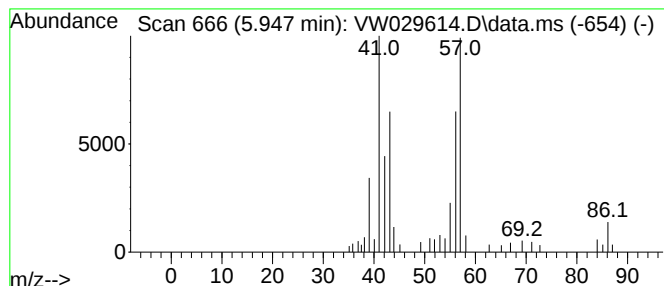
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.947 | 1.76 ug/L | 33366 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of 5 | Tentative ID         | MW | MolForm | CAS#         | Qual |
|------|------|----------------------|----|---------|--------------|------|
| 1    |      | n-Hexane             | 86 | C6H14   | 000110-54-3  | 64   |
| 2    |      | n-Hexane             | 86 | C6H14   | 000110-54-3  | 59   |
| 3    |      | 2-Ethyl-oxetane      | 86 | C5H10O  | 1010386-40-2 | 59   |
| 4    |      | n-Hexane             | 86 | C6H14   | 000110-54-3  | 47   |
| 5    |      | 1-Pentene, 4-methyl- | 84 | C6H12   | 000691-37-2  | 40   |



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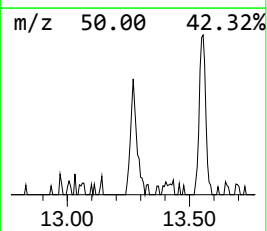
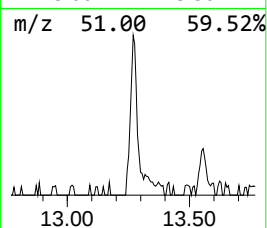
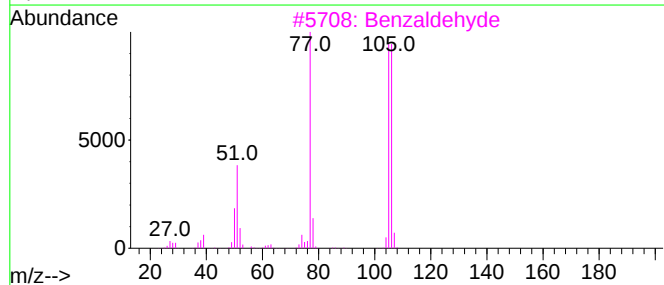
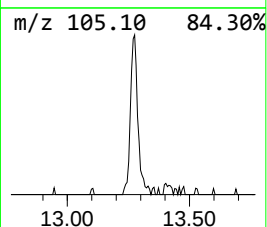
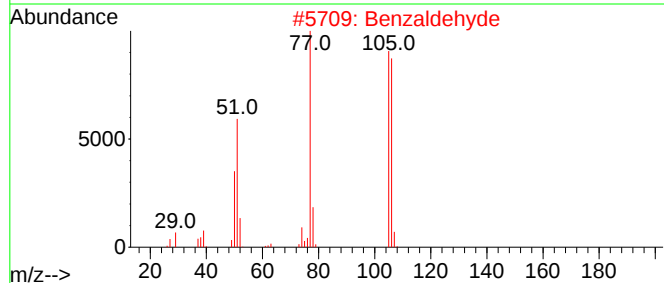
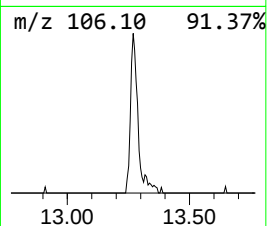
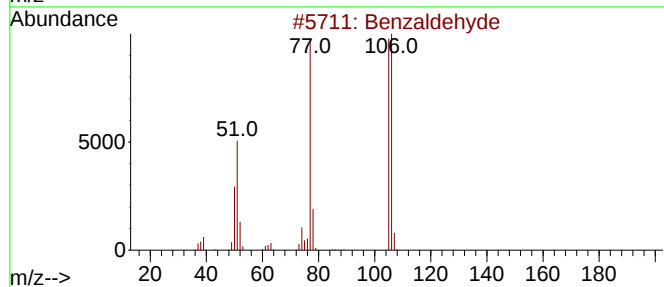
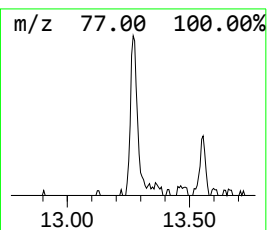
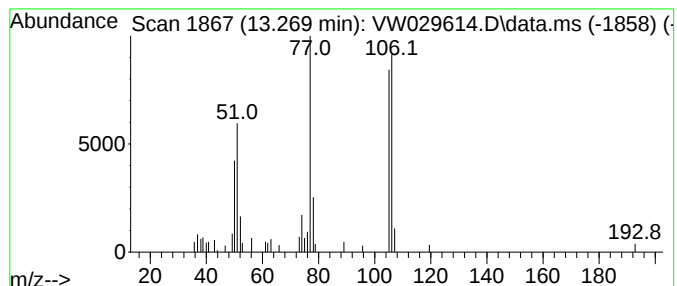
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 3 Benzaldehyde Concentration Rank 1

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.269 | 4.46 ug/L | 21927 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 91   |
| 2    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 91   |
| 3    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 91   |
| 4    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 80   |
| 5    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071724\  
Data File : VW029614.D  
Acq On : 17 Jul 2024 14:20  
Operator : SY/MD  
Sample : P3263-18  
Misc : 5.47g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CK8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.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 |
| (DEL) Alkane: S... | 5.947  | 1.8     | ug/L  | 33366    | 1                     | 8.843  | 473489 | 25.0 |
| Benzaldehyde       | 13.269 | 4.5     | ug/L  | 21927    | 3                     | 13.556 | 122924 | 25.0 |