

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122023\  
 Data File : VW027810.D  
 Acq On : 20 Dec 2023 15:07  
 Operator : SY/MD  
 Sample : 05835-20  
 Misc : 5.62g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B24

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\SFAMWLM121523SMA.M  
 Title : SFAM01.0

Signal : TIC: VW027810.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         | 2.363       | 73            | 78          | 88           | rVB      | 19436          | 35340         | 15.29%          | 2.021%        |
| 2         | 2.899       | 159           | 166         | 177          | rBV      | 17867          | 33513         | 14.50%          | 1.917%        |
| 3         | 3.411       | 246           | 250         | 253          | rBV3     | 339            | 539           | 0.23%           | 0.031%        |
| 4         | 3.570       | 273           | 276         | 278          | rVB      | 162            | 179           | 0.08%           | 0.010%        |
| 5         | 3.606       | 278           | 282         | 285          | rBV2     | 232            | 308           | 0.13%           | 0.018%        |
| 6         | 4.027       | 340           | 351         | 362          | rBV      | 28825          | 77824         | 33.66%          | 4.451%        |
| 7         | 4.131       | 363           | 368         | 379          | rVB2     | 2109           | 5475          | 2.37%           | 0.313%        |
| 8         | 4.393       | 409           | 411         | 414          | rVB      | 206            | 168           | 0.07%           | 0.010%        |
| 9         | 4.448       | 418           | 420         | 423          | rBV2     | 140            | 236           | 0.10%           | 0.013%        |
| 10        | 4.661       | 453           | 455         | 456          | rBV      | 447            | 257           | 0.11%           | 0.015%        |
| 11        | 4.923       | 491           | 498         | 507          | rVB4     | 1476           | 4025          | 1.74%           | 0.230%        |
| 12        | 5.009       | 507           | 512         | 513          | rBV2     | 1302           | 1978          | 0.86%           | 0.113%        |
| 13        | 5.118       | 529           | 530         | 533          | rVB      | 212            | 138           | 0.06%           | 0.008%        |
| 14        | 5.259       | 551           | 553         | 554          | rVB      | 287            | 150           | 0.06%           | 0.009%        |
| 15        | 5.362       | 568           | 570         | 575          | rVB2     | 143            | 232           | 0.10%           | 0.013%        |
| 16        | 5.399       | 575           | 576         | 579          | rBV      | 112            | 131           | 0.06%           | 0.007%        |
| 17        | 5.472       | 585           | 588         | 590          | rBV2     | 153            | 181           | 0.08%           | 0.010%        |
| 18        | 5.783       | 637           | 639         | 643          | rVB2     | 204            | 242           | 0.10%           | 0.014%        |
| 19        | 5.819       | 643           | 645         | 649          | rBV2     | 159            | 209           | 0.09%           | 0.012%        |
| 20        | 5.947       | 664           | 666         | 672          | rVB3     | 344            | 610           | 0.26%           | 0.035%        |
| 21        | 6.252       | 711           | 716         | 721          | rBV2     | 207            | 405           | 0.18%           | 0.023%        |
| 22        | 6.319       | 725           | 727         | 730          | rVV      | 158            | 134           | 0.06%           | 0.008%        |
| 23        | 6.429       | 743           | 745         | 749          | rVB      | 136            | 136           | 0.06%           | 0.008%        |
| 24        | 6.466       | 749           | 751         | 754          | rBV2     | 151            | 157           | 0.07%           | 0.009%        |
| 25        | 6.771       | 799           | 801         | 803          | rBV2     | 116            | 137           | 0.06%           | 0.008%        |
| 26        | 6.899       | 820           | 822         | 823          | rBV      | 226            | 184           | 0.08%           | 0.011%        |
| 27        | 6.941       | 826           | 829         | 831          | rVB2     | 245            | 264           | 0.11%           | 0.015%        |
| 28        | 7.081       | 845           | 852         | 862          | rBV2     | 5001           | 14983         | 6.48%           | 0.857%        |
| 29        | 7.405       | 897           | 905         | 907          | rBV2     | 97             | 168           | 0.07%           | 0.010%        |
| 30        | 7.526       | 921           | 925         | 930          | rBB2     | 184            | 294           | 0.13%           | 0.017%        |
| 31        | 7.654       | 936           | 946         | 958          | rBV      | 40587          | 98848         | 42.76%          | 5.654%        |
| 32        | 7.959       | 995           | 996         | 999          | rVB      | 251            | 155           | 0.07%           | 0.009%        |
| 33        | 8.276       | 1038          | 1048        | 1063         | rBV2     | 78809          | 231189        | 100.00%         | 13.224%       |
| 34        | 8.404       | 1067          | 1069        | 1071         | rBV2     | 195            | 155           | 0.07%           | 0.009%        |
| 35        | 8.423       | 1071          | 1072        | 1077         | rBV2     | 132            | 165           | 0.07%           | 0.009%        |
| 36        | 8.526       | 1087          | 1089        | 1092         | rBV2     | 124            | 143           | 0.06%           | 0.008%        |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 C0B24

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\SFAMWLM121523SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 8.709  | 1113 | 1119 | 1127 | rVB3 | 1038   | 2255   | 0.98%  | 0.129%  |
| 38 | 8.843  | 1133 | 1141 | 1153 | rBV  | 87319  | 171345 | 74.11% | 9.801%  |
| 39 | 8.965  | 1159 | 1161 | 1162 | rBV  | 180    | 141    | 0.06%  | 0.008%  |
| 40 | 9.008  | 1166 | 1168 | 1169 | rBV  | 208    | 131    | 0.06%  | 0.007%  |
| 41 | 9.081  | 1178 | 1180 | 1183 | rVB2 | 195    | 157    | 0.07%  | 0.009%  |
| 42 | 9.185  | 1196 | 1197 | 1201 | rBV2 | 160    | 200    | 0.09%  | 0.011%  |
| 43 | 9.276  | 1203 | 1212 | 1225 | rVB  | 53490  | 108240 | 46.82% | 6.191%  |
| 44 | 9.410  | 1230 | 1234 | 1235 | rBV  | 2236   | 2712   | 1.17%  | 0.155%  |
| 45 | 9.605  | 1264 | 1266 | 1269 | rVB2 | 184    | 153    | 0.07%  | 0.009%  |
| 46 | 9.794  | 1296 | 1297 | 1300 | rVB2 | 213    | 160    | 0.07%  | 0.009%  |
| 47 | 9.837  | 1300 | 1304 | 1305 | rBV  | 240    | 217    | 0.09%  | 0.012%  |
| 48 | 10.038 | 1330 | 1337 | 1344 | rBV2 | 25783  | 47846  | 20.70% | 2.737%  |
| 49 | 10.325 | 1376 | 1384 | 1392 | rBV  | 103472 | 186755 | 80.78% | 10.682% |
| 50 | 10.465 | 1406 | 1407 | 1408 | rBV  | 230    | 159    | 0.07%  | 0.009%  |
| 51 | 10.581 | 1419 | 1426 | 1435 | rVB  | 14727  | 26066  | 11.27% | 1.491%  |
| 52 | 10.709 | 1443 | 1447 | 1452 | rVV  | 800    | 1167   | 0.50%  | 0.067%  |
| 53 | 10.928 | 1477 | 1483 | 1494 | rBV2 | 11603  | 25533  | 11.04% | 1.460%  |
| 54 | 11.069 | 1500 | 1506 | 1517 | rBV2 | 11241  | 21030  | 9.10%  | 1.203%  |
| 55 | 11.166 | 1521 | 1522 | 1526 | rBV2 | 208    | 221    | 0.10%  | 0.013%  |
| 56 | 11.495 | 1572 | 1576 | 1579 | rBV2 | 131    | 186    | 0.08%  | 0.011%  |
| 57 | 11.532 | 1579 | 1582 | 1584 | rVB2 | 225    | 221    | 0.10%  | 0.013%  |
| 58 | 11.568 | 1584 | 1588 | 1591 | rBV2 | 195    | 309    | 0.13%  | 0.018%  |
| 59 | 11.629 | 1591 | 1598 | 1613 | rVB  | 117534 | 209049 | 90.42% | 11.957% |
| 60 | 11.739 | 1613 | 1616 | 1620 | rBV2 | 306    | 348    | 0.15%  | 0.020%  |
| 61 | 11.818 | 1627 | 1629 | 1631 | rBV2 | 185    | 219    | 0.09%  | 0.013%  |
| 62 | 11.879 | 1637 | 1639 | 1642 | rVB2 | 174    | 179    | 0.08%  | 0.010%  |
| 63 | 11.922 | 1642 | 1646 | 1647 | rBV2 | 118    | 157    | 0.07%  | 0.009%  |
| 64 | 12.007 | 1657 | 1660 | 1664 | rBV  | 163    | 163    | 0.07%  | 0.009%  |
| 65 | 12.123 | 1675 | 1679 | 1683 | rVB2 | 238    | 469    | 0.20%  | 0.027%  |
| 66 | 12.324 | 1709 | 1712 | 1714 | rBV2 | 184    | 297    | 0.13%  | 0.017%  |
| 67 | 12.349 | 1714 | 1716 | 1718 | rVV  | 261    | 221    | 0.10%  | 0.013%  |
| 68 | 12.398 | 1722 | 1724 | 1725 | rBV2 | 151    | 146    | 0.06%  | 0.008%  |
| 69 | 12.471 | 1731 | 1736 | 1741 | rVB2 | 1576   | 2288   | 0.99%  | 0.131%  |
| 70 | 12.568 | 1749 | 1752 | 1754 | rBV2 | 458    | 580    | 0.25%  | 0.033%  |
| 71 | 12.690 | 1764 | 1772 | 1783 | rBV  | 48003  | 83562  | 36.14% | 4.780%  |
| 72 | 12.867 | 1798 | 1801 | 1804 | rVB2 | 110    | 144    | 0.06%  | 0.008%  |
| 73 | 12.897 | 1804 | 1806 | 1808 | rBV  | 210    | 137    | 0.06%  | 0.008%  |
| 74 | 12.946 | 1812 | 1814 | 1816 | rBV  | 168    | 166    | 0.07%  | 0.009%  |
| 75 | 12.995 | 1820 | 1822 | 1824 | rVB  | 139    | 130    | 0.06%  | 0.007%  |
| 76 | 13.056 | 1828 | 1832 | 1833 | rBV  | 234    | 239    | 0.10%  | 0.014%  |

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Instrument :  
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 C0B24

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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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\SFAMWLM121523SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.160 | 1845 | 1849 | 1854 | rVB2 | 160    | 276    | 0.12%  | 0.016% |
| 78  | 13.202 | 1854 | 1856 | 1858 | rVB2 | 224    | 176    | 0.08%  | 0.010% |
| 79  | 13.221 | 1858 | 1859 | 1862 | rBV  | 192    | 180    | 0.08%  | 0.010% |
| 80  | 13.269 | 1862 | 1867 | 1874 | rVB2 | 15660  | 24061  | 10.41% | 1.376% |
| 81  | 13.361 | 1879 | 1882 | 1885 | rBV3 | 414    | 537    | 0.23%  | 0.031% |
| 82  | 13.410 | 1887 | 1890 | 1891 | rBV2 | 374    | 352    | 0.15%  | 0.020% |
| 83  | 13.464 | 1894 | 1899 | 1901 | rBV2 | 5711   | 8081   | 3.50%  | 0.462% |
| 84  | 13.556 | 1908 | 1914 | 1927 | rVB  | 101225 | 172392 | 74.57% | 9.861% |
| 85  | 13.666 | 1930 | 1932 | 1934 | rBV2 | 152    | 148    | 0.06%  | 0.008% |
| 86  | 13.763 | 1946 | 1948 | 1950 | rVV2 | 215    | 204    | 0.09%  | 0.012% |
| 87  | 13.781 | 1950 | 1951 | 1953 | rVV2 | 202    | 160    | 0.07%  | 0.009% |
| 88  | 13.849 | 1956 | 1962 | 1972 | rVV  | 79323  | 132513 | 57.32% | 7.580% |
| 89  | 13.946 | 1976 | 1978 | 1982 | rVB2 | 138    | 181    | 0.08%  | 0.010% |
| 90  | 13.995 | 1982 | 1986 | 1989 | rBV3 | 594    | 834    | 0.36%  | 0.048% |
| 91  | 14.062 | 1992 | 1997 | 2001 | rVB4 | 311    | 668    | 0.29%  | 0.038% |
| 92  | 14.190 | 2017 | 2018 | 2022 | rBV2 | 190    | 174    | 0.08%  | 0.010% |
| 93  | 14.226 | 2022 | 2024 | 2025 | rVB  | 254    | 143    | 0.06%  | 0.008% |
| 94  | 14.409 | 2051 | 2054 | 2055 | rBV2 | 205    | 225    | 0.10%  | 0.013% |
| 95  | 14.452 | 2060 | 2061 | 2064 | rVB2 | 235    | 138    | 0.06%  | 0.008% |
| 96  | 14.556 | 2075 | 2078 | 2079 | rBV2 | 197    | 171    | 0.07%  | 0.010% |
| 97  | 14.708 | 2101 | 2103 | 2108 | rVB2 | 419    | 449    | 0.19%  | 0.026% |
| 98  | 15.129 | 2167 | 2172 | 2178 | rBV4 | 1635   | 2746   | 1.19%  | 0.157% |
| 99  | 16.415 | 2381 | 2383 | 2384 | rBV2 | 407    | 232    | 0.10%  | 0.013% |
| 100 | 16.683 | 2425 | 2427 | 2429 | rBV3 | 447    | 296    | 0.13%  | 0.017% |

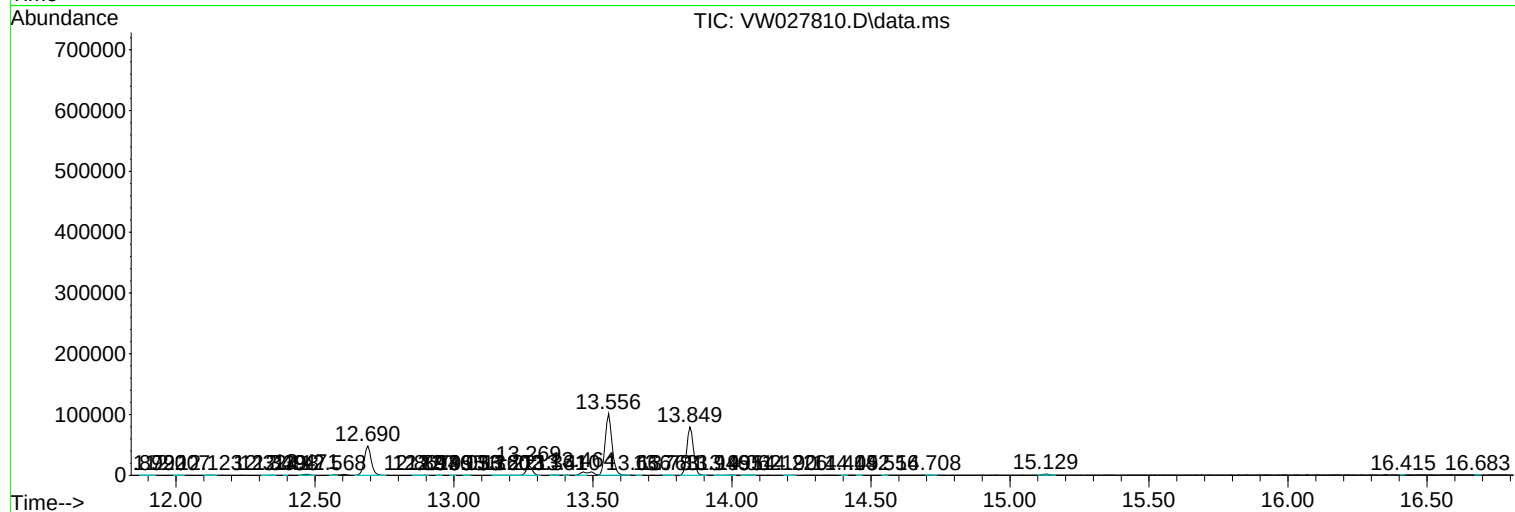
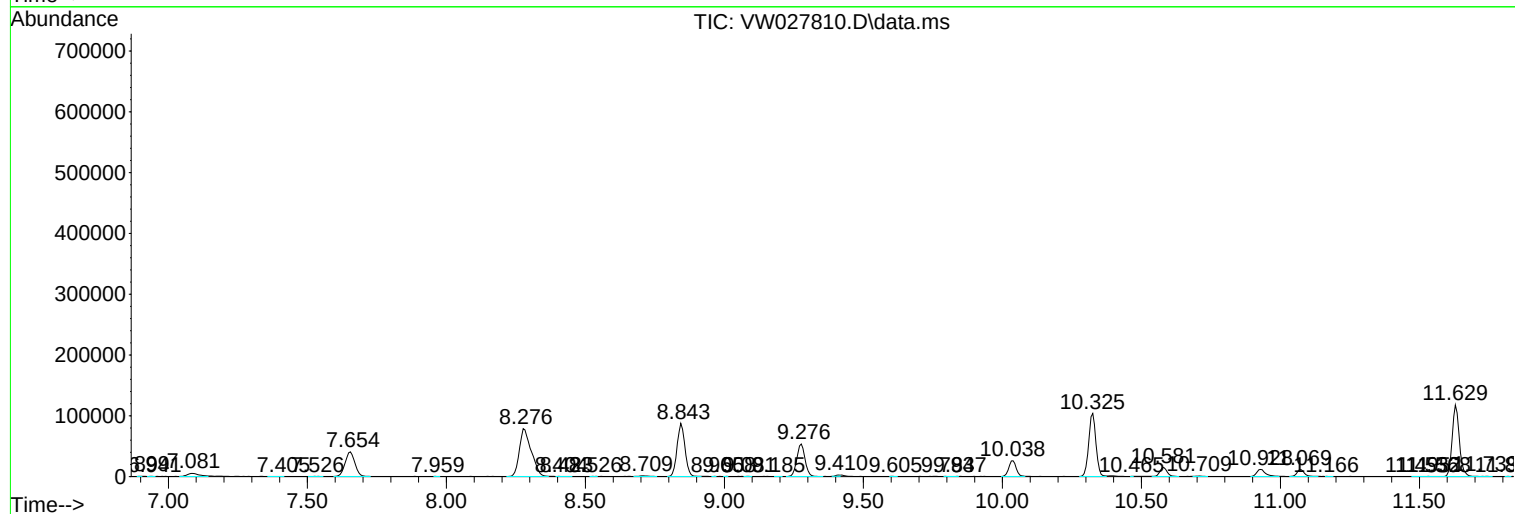
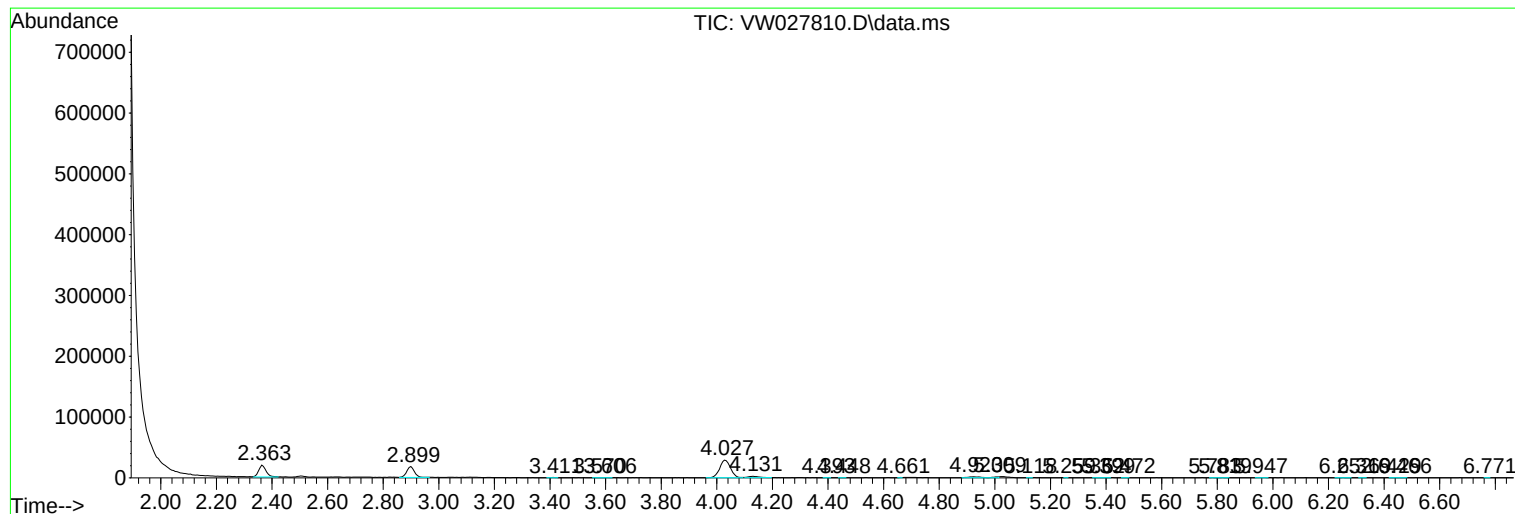
Sum of corrected areas: 1748287

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121523SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122023\  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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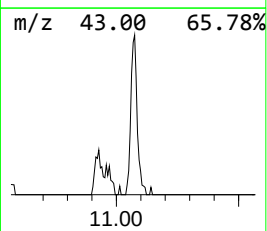
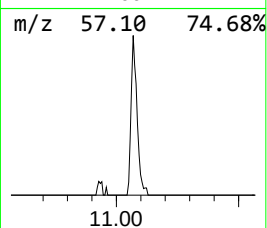
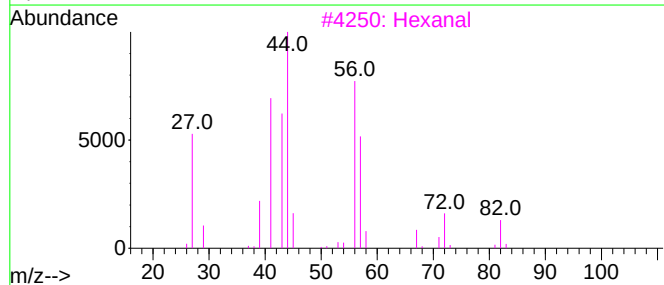
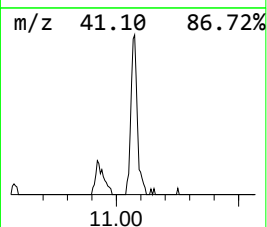
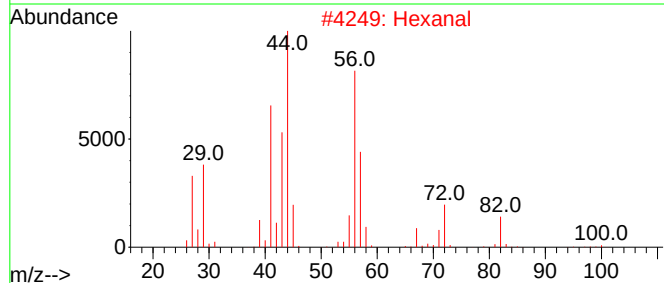
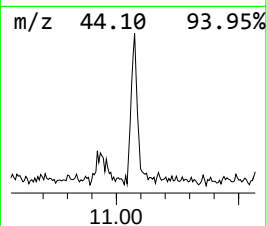
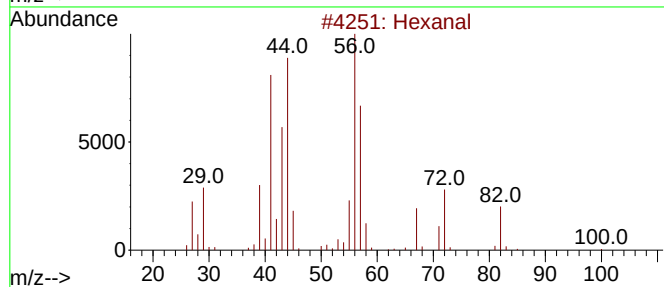
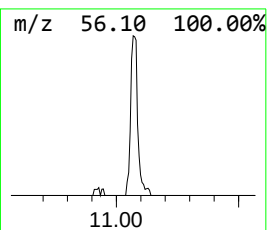
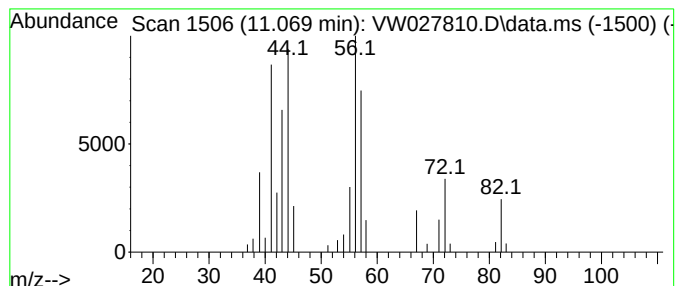
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121523SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Hexanal Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.069 | 2.51 ug/L | 21030 | Chlorobenzene-d5 | 11.629 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal                             |   |              | 100 | C6H12O  | 000066-25-1 | 90   |
| 2    | Hexanal                             |   |              | 100 | C6H12O  | 000066-25-1 | 78   |
| 3    | Hexanal                             |   |              | 100 | C6H12O  | 000066-25-1 | 78   |
| 4    | Hexanal                             |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 5    | 2,2-Dimethyl-3-hydroxypropionald... |   |              | 102 | C5H10O2 | 000597-31-9 | 32   |



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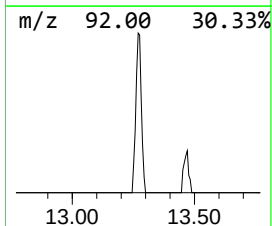
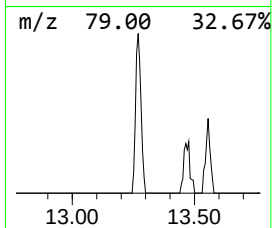
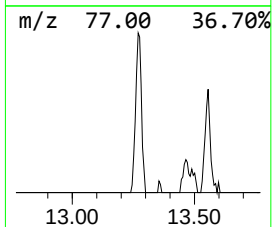
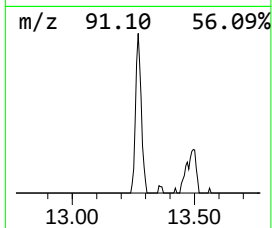
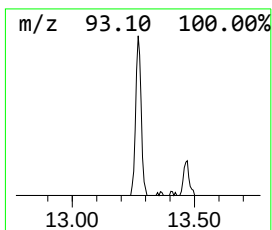
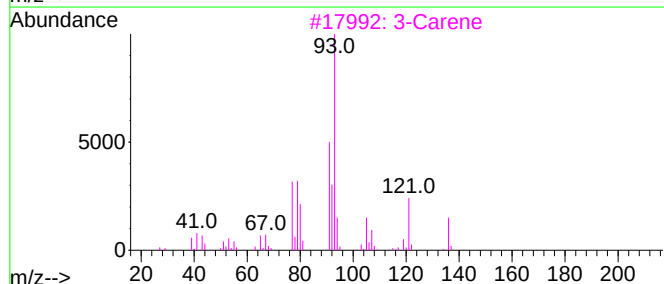
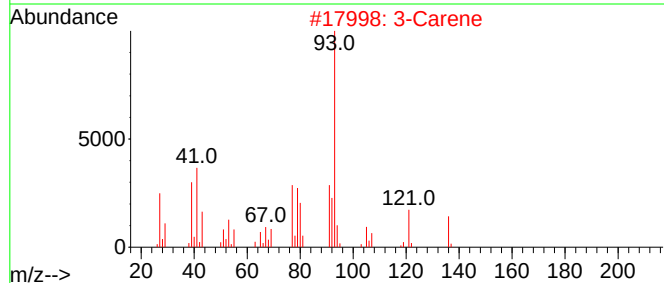
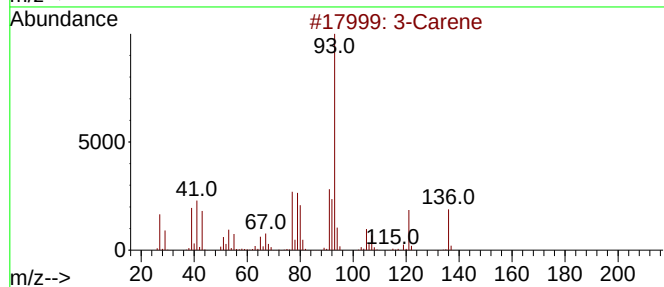
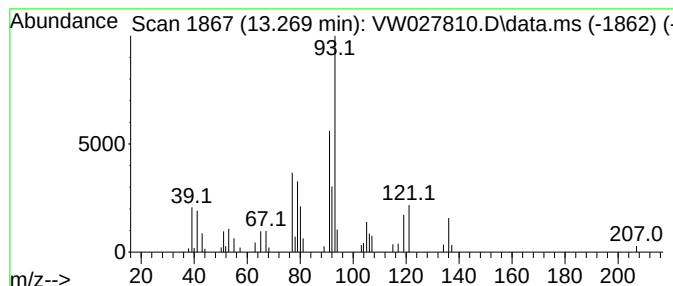
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121523SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 3-Carene Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.269 | 3.49 ug/L | 24061 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------|-----|---------|-------------|------|
| 1    |      | 3-Carene                  | 136 | C10H16  | 013466-78-9 | 93   |
| 2    |      | 3-Carene                  | 136 | C10H16  | 013466-78-9 | 93   |
| 3    |      | 3-Carene                  | 136 | C10H16  | 013466-78-9 | 90   |
| 4    |      | 4-Carene, (1S,3R,6R)-(-)- | 136 | C10H16  | 005208-49-1 | 90   |
| 5    |      | 3-Carene                  | 136 | C10H16  | 013466-78-9 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122023\  
Data File : VW027810.D  
Acq On : 20 Dec 2023 15:07  
Operator : SY/MD  
Sample : 05835-20  
Misc : 5.62g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0B24

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121523SMA.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          | 11.069 | 2.5     | ug/L  | 21030    | 2                     | 11.629 | 209049 | 25.0 |
| 3-Carene         | 13.269 | 3.5     | ug/L  | 24061    | 3                     | 13.556 | 172392 | 25.0 |