

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040524\  
 Data File : VW028341.D  
 Acq On : 05 Apr 2024 17:18  
 Operator : SY/MD  
 Sample : P2018-05  
 Misc : 6.40g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BH5E9

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\SFAMWLM031424SMA.M

Title : SFAM01.0

Signal : TIC: VW028341.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          | 85           | rVB      | 18079          | 33371         | 10.85%          | 1.469%        |
| 2         | 2.777       | 144           | 146         | 151          | rBV6     | 977            | 1405          | 0.46%           | 0.062%        |
| 3         | 2.893       | 159           | 165         | 175          | rBV      | 13016          | 31974         | 10.40%          | 1.407%        |
| 4         | 3.466       | 258           | 259         | 260          | rBV      | 543            | 292           | 0.09%           | 0.013%        |
| 5         | 3.527       | 262           | 269         | 285          | rVV      | 37696          | 94541         | 30.75%          | 4.161%        |
| 6         | 3.722       | 299           | 301         | 305          | rBV2     | 568            | 727           | 0.24%           | 0.032%        |
| 7         | 4.021       | 341           | 350         | 361          | rBV      | 38208          | 102267        | 33.26%          | 4.501%        |
| 8         | 4.375       | 406           | 408         | 410          | rBV2     | 492            | 501           | 0.16%           | 0.022%        |
| 9         | 4.478       | 422           | 425         | 427          | rBV3     | 476            | 515           | 0.17%           | 0.023%        |
| 10        | 4.667       | 453           | 456         | 459          | rBV4     | 550            | 926           | 0.30%           | 0.041%        |
| 11        | 4.862       | 486           | 488         | 489          | rBV2     | 396            | 329           | 0.11%           | 0.014%        |
| 12        | 4.923       | 491           | 498         | 510          | rVB4     | 5200           | 16970         | 5.52%           | 0.747%        |
| 13        | 5.149       | 532           | 535         | 536          | rBV2     | 442            | 400           | 0.13%           | 0.018%        |
| 14        | 5.228       | 545           | 548         | 553          | rVB2     | 464            | 776           | 0.25%           | 0.034%        |
| 15        | 5.271       | 553           | 555         | 556          | rBV      | 329            | 282           | 0.09%           | 0.012%        |
| 16        | 5.643       | 612           | 616         | 621          | rVB3     | 502            | 1113          | 0.36%           | 0.049%        |
| 17        | 5.692       | 621           | 624         | 626          | rBV2     | 561            | 809           | 0.26%           | 0.036%        |
| 18        | 5.813       | 642           | 644         | 647          | rVB3     | 672            | 658           | 0.21%           | 0.029%        |
| 19        | 5.941       | 659           | 665         | 666          | rBV3     | 1385           | 2047          | 0.67%           | 0.090%        |
| 20        | 6.033       | 678           | 680         | 684          | rBV2     | 382            | 527           | 0.17%           | 0.023%        |
| 21        | 6.210       | 705           | 709         | 711          | rVB2     | 401            | 512           | 0.17%           | 0.023%        |
| 22        | 6.234       | 711           | 713         | 714          | rBV      | 395            | 296           | 0.10%           | 0.013%        |
| 23        | 6.277       | 719           | 720         | 723          | rVB2     | 443            | 399           | 0.13%           | 0.018%        |
| 24        | 6.301       | 723           | 724         | 726          | rBV2     | 359            | 325           | 0.11%           | 0.014%        |
| 25        | 6.326       | 726           | 728         | 729          | rVV2     | 396            | 358           | 0.12%           | 0.016%        |
| 26        | 6.393       | 736           | 739         | 741          | rVV3     | 434            | 454           | 0.15%           | 0.020%        |
| 27        | 6.472       | 745           | 752         | 755          | rBV4     | 628            | 1176          | 0.38%           | 0.052%        |
| 28        | 6.502       | 755           | 757         | 760          | rVB2     | 331            | 284           | 0.09%           | 0.012%        |
| 29        | 6.557       | 764           | 766         | 768          | rVV2     | 339            | 306           | 0.10%           | 0.013%        |
| 30        | 6.582       | 768           | 770         | 775          | rVB2     | 466            | 590           | 0.19%           | 0.026%        |
| 31        | 6.734       | 793           | 795         | 798          | rVV      | 439            | 414           | 0.13%           | 0.018%        |
| 32        | 6.807       | 805           | 807         | 811          | rVB2     | 506            | 725           | 0.24%           | 0.032%        |
| 33        | 6.844       | 811           | 813         | 814          | rBV2     | 641            | 489           | 0.16%           | 0.022%        |
| 34        | 7.088       | 845           | 853         | 860          | rBV2     | 7422           | 24569         | 7.99%           | 1.081%        |
| 35        | 7.289       | 885           | 886         | 889          | rBV      | 400            | 296           | 0.10%           | 0.013%        |
| 36        | 7.472       | 914           | 916         | 918          | rBV3     | 403            | 378           | 0.12%           | 0.017%        |

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 ClientSampleId :  
 BH5E9

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

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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\SFAMWLM031424SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 7.648  | 936  | 945  | 956  | rBV  | 53251  | 135310 | 44.00%  | 5.955%  |
| 38 | 7.758  | 961  | 963  | 964  | rBV  | 473    | 357    | 0.12%   | 0.016%  |
| 39 | 7.813  | 968  | 972  | 977  | rBV3 | 388    | 512    | 0.17%   | 0.023%  |
| 40 | 8.014  | 1003 | 1005 | 1009 | rVB2 | 313    | 324    | 0.11%   | 0.014%  |
| 41 | 8.075  | 1014 | 1015 | 1017 | rBV2 | 497    | 283    | 0.09%   | 0.012%  |
| 42 | 8.276  | 1038 | 1048 | 1062 | rBV3 | 102579 | 307500 | 100.00% | 13.532% |
| 43 | 8.459  | 1075 | 1078 | 1081 | rBV3 | 414    | 594    | 0.19%   | 0.026%  |
| 44 | 8.618  | 1103 | 1104 | 1106 | rBV  | 449    | 343    | 0.11%   | 0.015%  |
| 45 | 8.691  | 1114 | 1116 | 1117 | rBV2 | 493    | 314    | 0.10%   | 0.014%  |
| 46 | 8.776  | 1129 | 1130 | 1132 | rBV2 | 404    | 308    | 0.10%   | 0.014%  |
| 47 | 8.843  | 1132 | 1141 | 1150 | rVV  | 122069 | 241800 | 78.63%  | 10.641% |
| 48 | 9.020  | 1168 | 1170 | 1173 | rVB2 | 420    | 360    | 0.12%   | 0.016%  |
| 49 | 9.081  | 1177 | 1180 | 1183 | rBV3 | 350    | 452    | 0.15%   | 0.020%  |
| 50 | 9.136  | 1186 | 1189 | 1190 | rBV2 | 494    | 669    | 0.22%   | 0.029%  |
| 51 | 9.276  | 1200 | 1212 | 1223 | rBV  | 70333  | 147862 | 48.09%  | 6.507%  |
| 52 | 9.435  | 1236 | 1238 | 1240 | rBV2 | 455    | 337    | 0.11%   | 0.015%  |
| 53 | 9.465  | 1240 | 1243 | 1246 | rVV2 | 329    | 419    | 0.14%   | 0.018%  |
| 54 | 9.544  | 1251 | 1256 | 1257 | rBV2 | 587    | 736    | 0.24%   | 0.032%  |
| 55 | 9.593  | 1260 | 1264 | 1266 | rBV4 | 345    | 448    | 0.15%   | 0.020%  |
| 56 | 9.660  | 1271 | 1275 | 1276 | rBV2 | 313    | 432    | 0.14%   | 0.019%  |
| 57 | 9.819  | 1299 | 1301 | 1302 | rBV  | 382    | 325    | 0.11%   | 0.014%  |
| 58 | 10.032 | 1329 | 1336 | 1346 | rBV  | 32498  | 60380  | 19.64%  | 2.657%  |
| 59 | 10.227 | 1366 | 1368 | 1372 | rVB3 | 485    | 470    | 0.15%   | 0.021%  |
| 60 | 10.319 | 1376 | 1383 | 1395 | rBV  | 125326 | 234407 | 76.23%  | 10.316% |
| 61 | 10.575 | 1419 | 1425 | 1434 | rBV2 | 20040  | 37279  | 12.12%  | 1.641%  |
| 62 | 10.703 | 1442 | 1446 | 1450 | rBV4 | 1199   | 2117   | 0.69%   | 0.093%  |
| 63 | 10.867 | 1471 | 1473 | 1474 | rBV2 | 420    | 296    | 0.10%   | 0.013%  |
| 64 | 10.922 | 1476 | 1482 | 1495 | rBV  | 29873  | 55858  | 18.17%  | 2.458%  |
| 65 | 11.239 | 1531 | 1534 | 1535 | rBV2 | 480    | 573    | 0.19%   | 0.025%  |
| 66 | 11.428 | 1562 | 1565 | 1567 | rBV2 | 455    | 515    | 0.17%   | 0.023%  |
| 67 | 11.477 | 1570 | 1573 | 1576 | rBV  | 392    | 595    | 0.19%   | 0.026%  |
| 68 | 11.562 | 1585 | 1587 | 1589 | rVB2 | 489    | 349    | 0.11%   | 0.015%  |
| 69 | 11.629 | 1589 | 1598 | 1611 | rBV  | 155943 | 264289 | 85.95%  | 11.631% |
| 70 | 11.812 | 1625 | 1628 | 1629 | rBV2 | 489    | 567    | 0.18%   | 0.025%  |
| 71 | 11.910 | 1642 | 1644 | 1646 | rBV  | 464    | 456    | 0.15%   | 0.020%  |
| 72 | 12.135 | 1679 | 1681 | 1682 | rBV  | 321    | 300    | 0.10%   | 0.013%  |
| 73 | 12.233 | 1695 | 1697 | 1698 | rBV  | 366    | 316    | 0.10%   | 0.014%  |
| 74 | 12.288 | 1703 | 1706 | 1710 | rVB2 | 496    | 682    | 0.22%   | 0.030%  |
| 75 | 12.324 | 1710 | 1712 | 1717 | rVB3 | 454    | 582    | 0.19%   | 0.026%  |
| 76 | 12.367 | 1717 | 1719 | 1721 | rBV  | 266    | 308    | 0.10%   | 0.014%  |

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Instrument :  
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 BH5E9

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\SFAMWLM031424SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.422 | 1727 | 1728 | 1730 | rBV2 | 438    | 336    | 0.11%  | 0.015% |
| 78  | 12.495 | 1737 | 1740 | 1741 | rBV2 | 399    | 338    | 0.11%  | 0.015% |
| 79  | 12.599 | 1752 | 1757 | 1759 | rBV4 | 1491   | 2211   | 0.72%  | 0.097% |
| 80  | 12.690 | 1765 | 1772 | 1780 | rBV  | 49560  | 83003  | 26.99% | 3.653% |
| 81  | 12.837 | 1794 | 1796 | 1800 | rBV2 | 380    | 513    | 0.17%  | 0.023% |
| 82  | 12.891 | 1800 | 1805 | 1807 | rBV3 | 416    | 363    | 0.12%  | 0.016% |
| 83  | 12.922 | 1807 | 1810 | 1813 | rBV3 | 624    | 846    | 0.28%  | 0.037% |
| 84  | 13.026 | 1823 | 1827 | 1828 | rBV2 | 678    | 843    | 0.27%  | 0.037% |
| 85  | 13.172 | 1849 | 1851 | 1854 | rBV2 | 414    | 372    | 0.12%  | 0.016% |
| 86  | 13.208 | 1854 | 1857 | 1861 | rBV3 | 796    | 965    | 0.31%  | 0.042% |
| 87  | 13.556 | 1904 | 1914 | 1923 | rBV  | 119873 | 199981 | 65.03% | 8.801% |
| 88  | 13.849 | 1955 | 1962 | 1970 | rBV  | 91840  | 151985 | 49.43% | 6.689% |
| 89  | 14.001 | 1985 | 1987 | 1990 | rVB4 | 660    | 484    | 0.16%  | 0.021% |
| 90  | 14.031 | 1990 | 1992 | 1994 | rBV3 | 562    | 662    | 0.22%  | 0.029% |
| 91  | 14.056 | 1994 | 1996 | 2002 | rVB4 | 1160   | 1740   | 0.57%  | 0.077% |
| 92  | 14.537 | 2073 | 2075 | 2076 | rBV2 | 462    | 413    | 0.13%  | 0.018% |
| 93  | 14.574 | 2079 | 2081 | 2084 | rBV2 | 437    | 477    | 0.16%  | 0.021% |
| 94  | 14.775 | 2112 | 2114 | 2115 | rBV2 | 612    | 439    | 0.14%  | 0.019% |
| 95  | 14.794 | 2115 | 2117 | 2119 | rBV3 | 646    | 696    | 0.23%  | 0.031% |
| 96  | 15.287 | 2196 | 2198 | 2203 | rBV2 | 614    | 1062   | 0.35%  | 0.047% |
| 97  | 15.574 | 2241 | 2245 | 2247 | rBV4 | 649    | 792    | 0.26%  | 0.035% |
| 98  | 15.726 | 2265 | 2270 | 2272 | rBV3 | 712    | 952    | 0.31%  | 0.042% |
| 99  | 15.879 | 2293 | 2295 | 2296 | rBV  | 653    | 474    | 0.15%  | 0.021% |
| 100 | 16.775 | 2441 | 2442 | 2444 | rBV2 | 579    | 356    | 0.12%  | 0.016% |

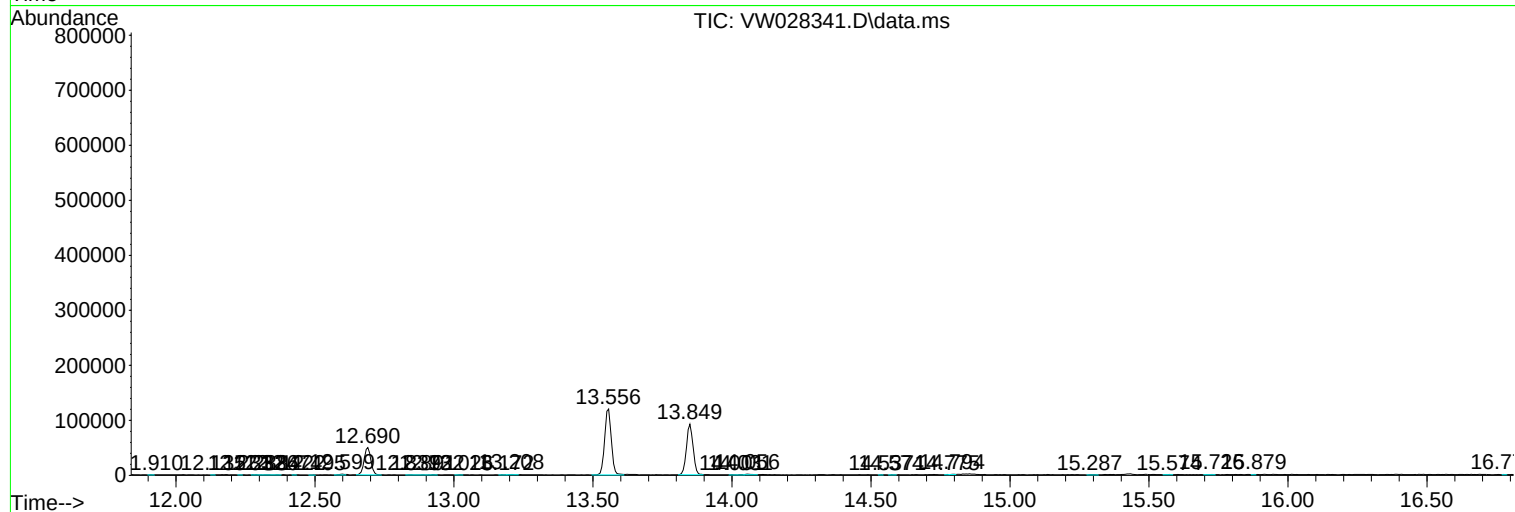
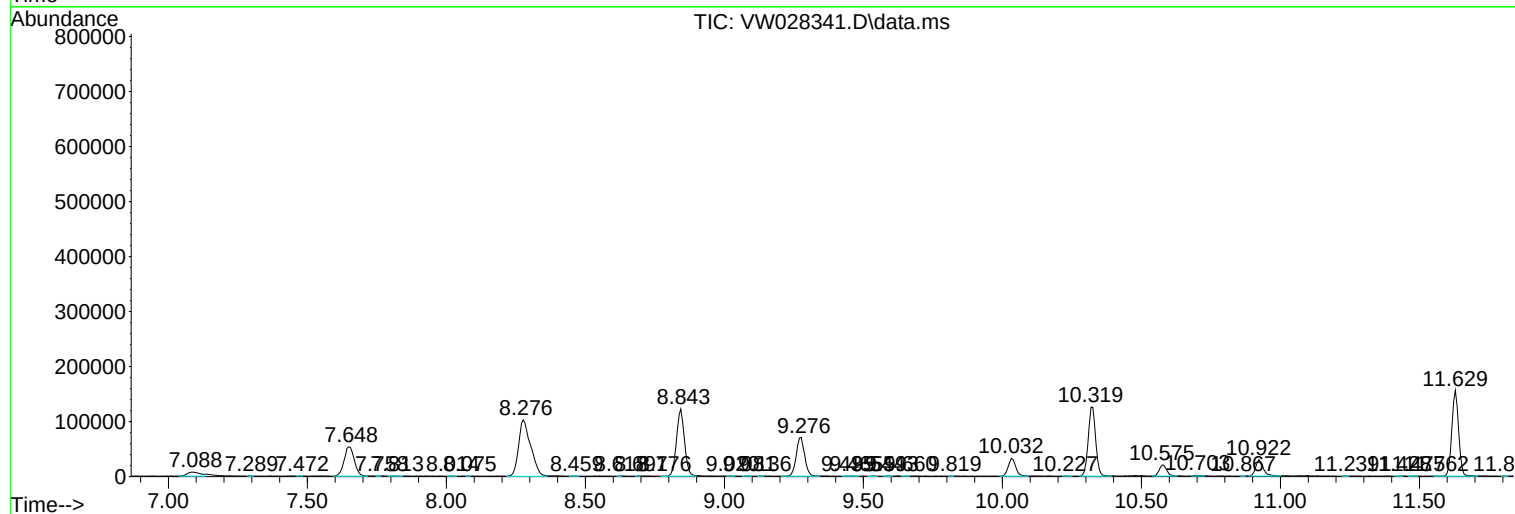
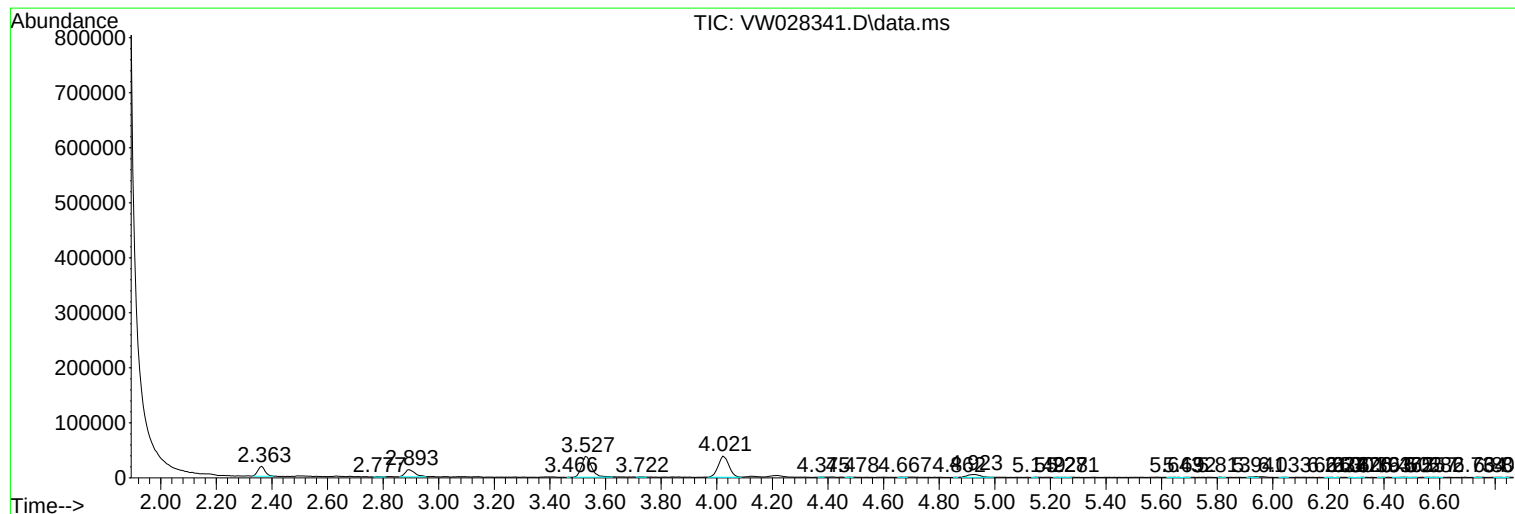
Sum of corrected areas: 2272328

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040524\  
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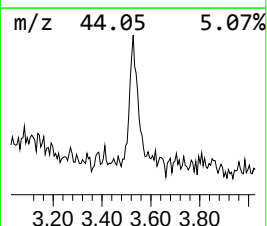
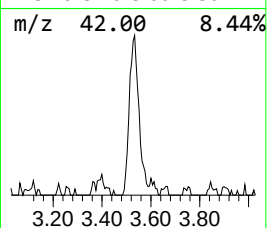
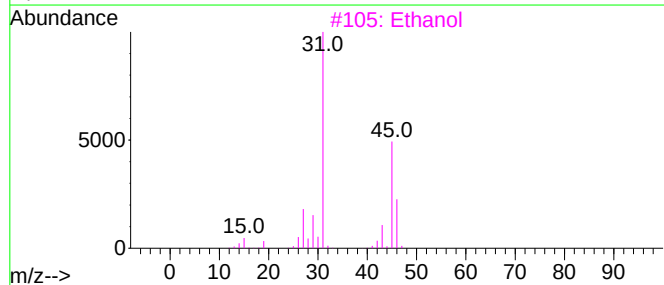
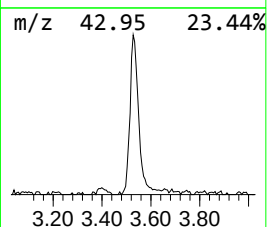
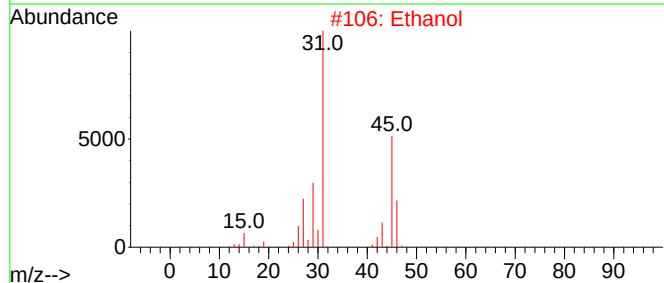
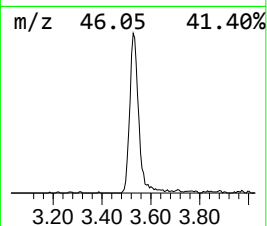
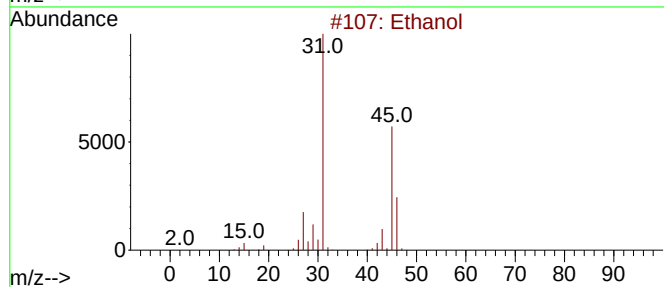
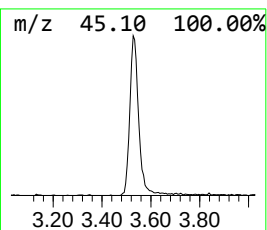
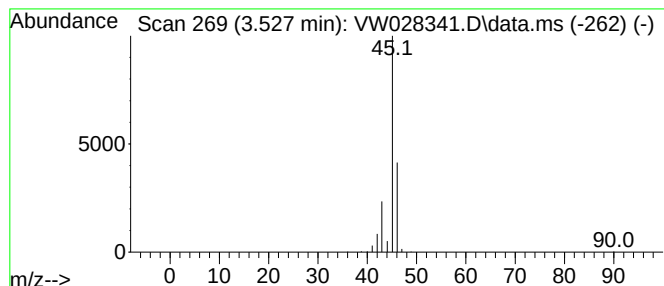
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Ethanol Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.527 | 9.77 ug/L | 94541 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of             | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----------------|---|--------------|----|---------|-------------|------|
| 1    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 74   |
| 2    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 64   |
| 3    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 43   |
| 4    | Dimethyl ether |   |              | 46 | C2H6O   | 000115-10-6 | 9    |
| 5    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 9    |



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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Ethanol          | 3.527 | 9.8     | ug/L  | 94541    | 1                     | 8.843 | 241800 | 25.0 |