

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY053123\  
 Data File : VY013939.D  
 Acq On : 31 May 2023 16:35  
 Operator : KP/MD  
 Sample : 02955-11  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB21RE

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % 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\_Y\methods\82Y052323S.M  
 Title : SW846 8260

Signal : TIC: VY013939.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       | 47            | 49          | 50           | rVB2     | 810            | 439           | 1.63%           | 0.210%        |
| 2         | 2.583       | 123           | 125         | 126          | rBV      | 419            | 401           | 1.49%           | 0.191%        |
| 3         | 2.668       | 134           | 139         | 145          | rVB4     | 1663           | 3536          | 13.17%          | 1.688%        |
| 4         | 3.168       | 217           | 221         | 222          | rVB2     | 392            | 412           | 1.53%           | 0.197%        |
| 5         | 3.339       | 246           | 249         | 251          | rBV      | 353            | 465           | 1.73%           | 0.222%        |
| 6         | 3.393       | 255           | 258         | 261          | rVB      | 311            | 414           | 1.54%           | 0.198%        |
| 7         | 3.808       | 323           | 326         | 329          | rVB2     | 423            | 603           | 2.25%           | 0.288%        |
| 8         | 3.857       | 332           | 334         | 338          | rVV3     | 421            | 637           | 2.37%           | 0.304%        |
| 9         | 3.942       | 344           | 348         | 349          | rBV      | 687            | 917           | 3.41%           | 0.438%        |
| 10        | 3.985       | 354           | 355         | 361          | rVB2     | 494            | 629           | 2.34%           | 0.300%        |
| 11        | 4.088       | 369           | 372         | 373          | rBV      | 753            | 700           | 2.61%           | 0.334%        |
| 12        | 4.180       | 382           | 387         | 392          | rBV6     | 879            | 2161          | 8.05%           | 1.031%        |
| 13        | 4.564       | 447           | 450         | 451          | rVB2     | 465            | 395           | 1.47%           | 0.189%        |
| 14        | 4.643       | 460           | 463         | 464          | rBV2     | 418            | 404           | 1.50%           | 0.193%        |
| 15        | 4.716       | 471           | 475         | 478          | rVV3     | 782            | 1034          | 3.85%           | 0.494%        |
| 16        | 4.936       | 508           | 511         | 513          | rVB2     | 343            | 405           | 1.51%           | 0.193%        |
| 17        | 4.954       | 513           | 514         | 518          | rVB3     | 482            | 473           | 1.76%           | 0.226%        |
| 18        | 5.003       | 518           | 522         | 523          | rBV      | 393            | 506           | 1.88%           | 0.242%        |
| 19        | 5.143       | 542           | 545         | 549          | rVB2     | 281            | 458           | 1.71%           | 0.219%        |
| 20        | 5.222       | 555           | 558         | 562          | rBV2     | 252            | 467           | 1.74%           | 0.223%        |
| 21        | 5.363       | 579           | 581         | 584          | rBV2     | 265            | 387           | 1.44%           | 0.185%        |
| 22        | 6.033       | 689           | 691         | 696          | rVB3     | 341            | 499           | 1.86%           | 0.238%        |
| 23        | 6.289       | 728           | 733         | 735          | rVB2     | 327            | 453           | 1.69%           | 0.216%        |
| 24        | 6.356       | 742           | 744         | 749          | rVB2     | 339            | 466           | 1.73%           | 0.222%        |
| 25        | 6.643       | 789           | 791         | 794          | rBV      | 347            | 408           | 1.52%           | 0.195%        |
| 26        | 6.966       | 833           | 844         | 852          | rBV      | 6711           | 19154         | 71.31%          | 9.142%        |
| 27        | 7.344       | 902           | 906         | 908          | rBV      | 532            | 781           | 2.91%           | 0.373%        |
| 28        | 7.441       | 919           | 922         | 925          | rBV2     | 287            | 409           | 1.52%           | 0.195%        |
| 29        | 7.496       | 925           | 931         | 934          | rBV3     | 517            | 920           | 3.43%           | 0.439%        |
| 30        | 7.606       | 945           | 949         | 951          | rBV2     | 339            | 470           | 1.75%           | 0.224%        |
| 31        | 7.710       | 959           | 966         | 973          | rBV4     | 5289           | 12993         | 48.37%          | 6.201%        |
| 32        | 7.789       | 973           | 979         | 984          | rVB2     | 6266           | 12296         | 45.78%          | 5.869%        |
| 33        | 7.947       | 1001          | 1005        | 1006         | rBV2     | 400            | 432           | 1.61%           | 0.206%        |
| 34        | 7.960       | 1006          | 1007        | 1012         | rVB2     | 327            | 451           | 1.68%           | 0.215%        |
| 35        | 8.002       | 1012          | 1014        | 1015         | rBV2     | 486            | 386           | 1.44%           | 0.184%        |
| 36        | 8.136       | 1029          | 1036        | 1045         | rVB3     | 6472           | 14885         | 55.42%          | 7.105%        |

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 MSVOA\_Y  
 ClientSampleId :  
 SB21RE

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

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Min Area: 3 % 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\_Y\methods\82Y052323S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |         |         |
|----|--------|------|------|------|------|-------|-------|---------|---------|
| 37 | 8.307  | 1061 | 1064 | 1066 | rBV3 | 378   | 445   | 1.66%   | 0.212%  |
| 38 | 8.478  | 1090 | 1092 | 1097 | rVB3 | 424   | 460   | 1.71%   | 0.220%  |
| 39 | 8.685  | 1117 | 1126 | 1136 | rVV2 | 9201  | 19706 | 73.37%  | 9.406%  |
| 40 | 8.966  | 1169 | 1172 | 1175 | rBV3 | 449   | 415   | 1.55%   | 0.198%  |
| 41 | 9.057  | 1184 | 1187 | 1191 | rVB2 | 384   | 415   | 1.55%   | 0.198%  |
| 42 | 9.624  | 1279 | 1280 | 1287 | rVB  | 305   | 467   | 1.74%   | 0.223%  |
| 43 | 9.715  | 1292 | 1295 | 1297 | rBV2 | 447   | 509   | 1.90%   | 0.243%  |
| 44 | 10.179 | 1363 | 1371 | 1377 | rBV2 | 15241 | 26859 | 100.00% | 12.820% |
| 45 | 10.593 | 1433 | 1439 | 1442 | rVB3 | 342   | 617   | 2.30%   | 0.294%  |
| 46 | 10.630 | 1442 | 1445 | 1447 | rBV2 | 364   | 415   | 1.55%   | 0.198%  |
| 47 | 10.715 | 1454 | 1459 | 1460 | rBV2 | 397   | 588   | 2.19%   | 0.281%  |
| 48 | 10.947 | 1492 | 1497 | 1502 | rBV2 | 1358  | 2258  | 8.41%   | 1.078%  |
| 49 | 11.166 | 1530 | 1533 | 1535 | rVB  | 452   | 535   | 1.99%   | 0.255%  |
| 50 | 11.276 | 1547 | 1551 | 1552 | rBV2 | 300   | 392   | 1.46%   | 0.187%  |
| 51 | 11.325 | 1556 | 1559 | 1562 | rVB3 | 495   | 586   | 2.18%   | 0.280%  |
| 52 | 11.490 | 1580 | 1586 | 1593 | rVV  | 11727 | 20091 | 74.80%  | 9.589%  |
| 53 | 11.654 | 1609 | 1613 | 1616 | rBV2 | 395   | 577   | 2.15%   | 0.275%  |
| 54 | 11.697 | 1616 | 1620 | 1623 | rVB2 | 462   | 649   | 2.42%   | 0.310%  |
| 55 | 11.947 | 1658 | 1661 | 1665 | rVB2 | 391   | 602   | 2.24%   | 0.287%  |
| 56 | 12.093 | 1682 | 1685 | 1686 | rBV2 | 384   | 418   | 1.56%   | 0.200%  |
| 57 | 12.227 | 1704 | 1707 | 1712 | rBV2 | 391   | 732   | 2.73%   | 0.349%  |
| 58 | 12.282 | 1715 | 1716 | 1720 | rBV3 | 364   | 388   | 1.44%   | 0.185%  |
| 59 | 12.386 | 1730 | 1733 | 1734 | rBV3 | 404   | 411   | 1.53%   | 0.196%  |
| 60 | 12.404 | 1734 | 1736 | 1740 | rVB2 | 482   | 610   | 2.27%   | 0.291%  |
| 61 | 12.483 | 1743 | 1749 | 1757 | rVB4 | 9767  | 16669 | 62.06%  | 7.956%  |
| 62 | 12.892 | 1812 | 1816 | 1819 | rBV3 | 540   | 706   | 2.63%   | 0.337%  |
| 63 | 13.038 | 1835 | 1840 | 1841 | rBV2 | 469   | 562   | 2.09%   | 0.268%  |
| 64 | 13.056 | 1841 | 1843 | 1847 | rBV3 | 308   | 456   | 1.70%   | 0.218%  |
| 65 | 13.239 | 1870 | 1873 | 1876 | rBV  | 679   | 918   | 3.42%   | 0.438%  |
| 66 | 13.422 | 1898 | 1903 | 1911 | rBV2 | 5825  | 9679  | 36.04%  | 4.620%  |
| 67 | 13.757 | 1955 | 1958 | 1960 | rBV2 | 502   | 579   | 2.16%   | 0.276%  |
| 68 | 13.965 | 1989 | 1992 | 1994 | rVB2 | 484   | 415   | 1.55%   | 0.198%  |
| 69 | 14.056 | 2004 | 2007 | 2009 | rBV2 | 488   | 445   | 1.66%   | 0.212%  |
| 70 | 14.263 | 2038 | 2041 | 2043 | rBV3 | 622   | 696   | 2.59%   | 0.332%  |
| 71 | 14.422 | 2064 | 2067 | 2069 | rBV2 | 545   | 462   | 1.72%   | 0.221%  |
| 72 | 14.465 | 2071 | 2074 | 2076 | rVB  | 658   | 623   | 2.32%   | 0.297%  |
| 73 | 14.550 | 2085 | 2088 | 2091 | rBV2 | 468   | 584   | 2.17%   | 0.279%  |
| 74 | 14.623 | 2098 | 2100 | 2103 | rBV2 | 611   | 546   | 2.03%   | 0.261%  |
| 75 | 14.648 | 2103 | 2104 | 2108 | rBV3 | 453   | 664   | 2.47%   | 0.317%  |
| 76 | 14.678 | 2108 | 2109 | 2112 | rVB2 | 510   | 533   | 1.98%   | 0.254%  |

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Integration Parameters: RTEINT.P

Integrator: RTE

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Sampling : 1

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Start Thrs: 0.2

Max Peaks: 100

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Title : SW846 8260

|     |        |      |      |      |      |     |      |       |        |
|-----|--------|------|------|------|------|-----|------|-------|--------|
| 77  | 14.739 | 2117 | 2119 | 2121 | rVB2 | 484 | 415  | 1.55% | 0.198% |
| 78  | 14.830 | 2128 | 2134 | 2137 | rBV5 | 698 | 1287 | 4.79% | 0.614% |
| 79  | 14.916 | 2146 | 2148 | 2150 | rBV3 | 532 | 523  | 1.95% | 0.250% |
| 80  | 15.147 | 2184 | 2186 | 2187 | rVB2 | 679 | 424  | 1.58% | 0.202% |
| 81  | 15.166 | 2187 | 2189 | 2192 | rBV  | 585 | 889  | 3.31% | 0.424% |
| 82  | 15.263 | 2204 | 2205 | 2209 | rVB4 | 551 | 627  | 2.33% | 0.299% |
| 83  | 15.306 | 2209 | 2212 | 2214 | rBV2 | 913 | 1128 | 4.20% | 0.538% |
| 84  | 15.385 | 2223 | 2225 | 2228 | rBV3 | 513 | 713  | 2.65% | 0.340% |
| 85  | 15.556 | 2249 | 2253 | 2256 | rBV5 | 565 | 854  | 3.18% | 0.408% |
| 86  | 15.629 | 2264 | 2265 | 2268 | rVV3 | 708 | 643  | 2.39% | 0.307% |
| 87  | 15.684 | 2272 | 2274 | 2277 | rVB4 | 605 | 520  | 1.94% | 0.248% |
| 88  | 15.714 | 2277 | 2279 | 2280 | rBV2 | 637 | 430  | 1.60% | 0.205% |
| 89  | 15.812 | 2293 | 2295 | 2297 | rBV2 | 445 | 426  | 1.59% | 0.203% |
| 90  | 15.836 | 2297 | 2299 | 2302 | rBV3 | 531 | 542  | 2.02% | 0.259% |
| 91  | 15.867 | 2302 | 2304 | 2307 | rVB3 | 525 | 468  | 1.74% | 0.223% |
| 92  | 15.964 | 2318 | 2320 | 2321 | rBV2 | 624 | 417  | 1.55% | 0.199% |
| 93  | 16.013 | 2326 | 2328 | 2330 | rVV3 | 605 | 481  | 1.79% | 0.230% |
| 94  | 16.105 | 2341 | 2343 | 2345 | rBV2 | 755 | 581  | 2.16% | 0.277% |
| 95  | 16.226 | 2361 | 2363 | 2364 | rVB2 | 745 | 398  | 1.48% | 0.190% |
| 96  | 16.245 | 2364 | 2366 | 2369 | rBV3 | 619 | 827  | 3.08% | 0.395% |
| 97  | 16.403 | 2390 | 2392 | 2394 | rVB2 | 727 | 606  | 2.26% | 0.289% |
| 98  | 16.428 | 2394 | 2396 | 2398 | rBV2 | 498 | 558  | 2.08% | 0.266% |
| 99  | 16.513 | 2409 | 2410 | 2413 | rVB2 | 658 | 556  | 2.07% | 0.265% |
| 100 | 16.732 | 2444 | 2446 | 2449 | rBV3 | 645 | 674  | 2.51% | 0.322% |

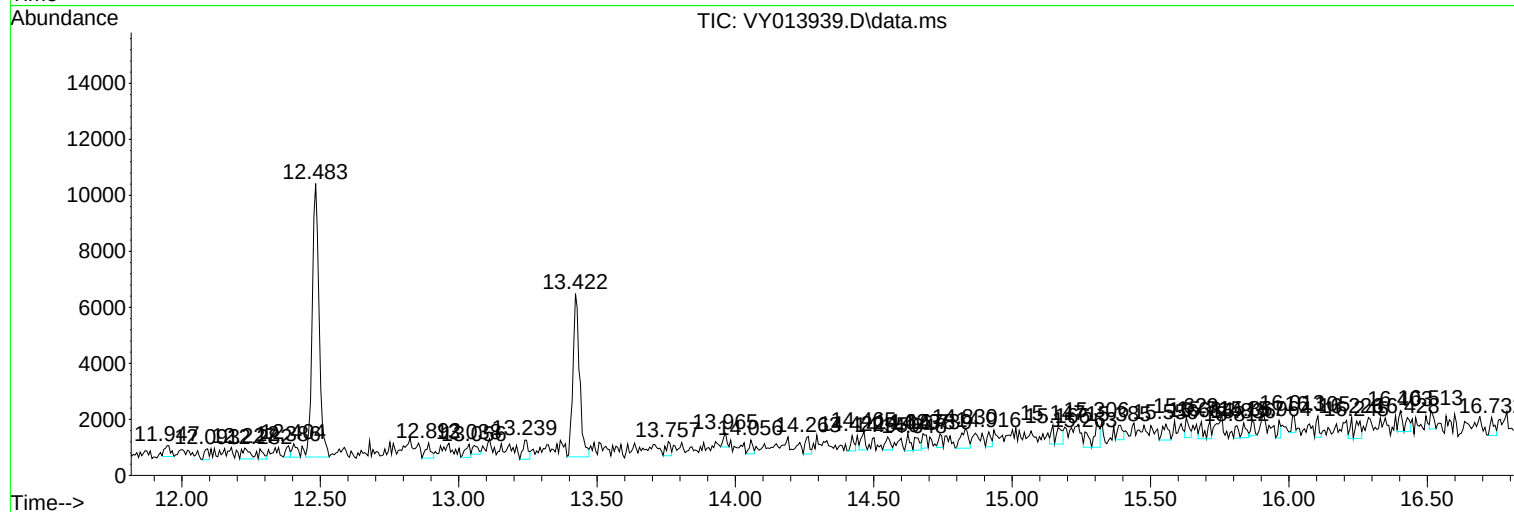
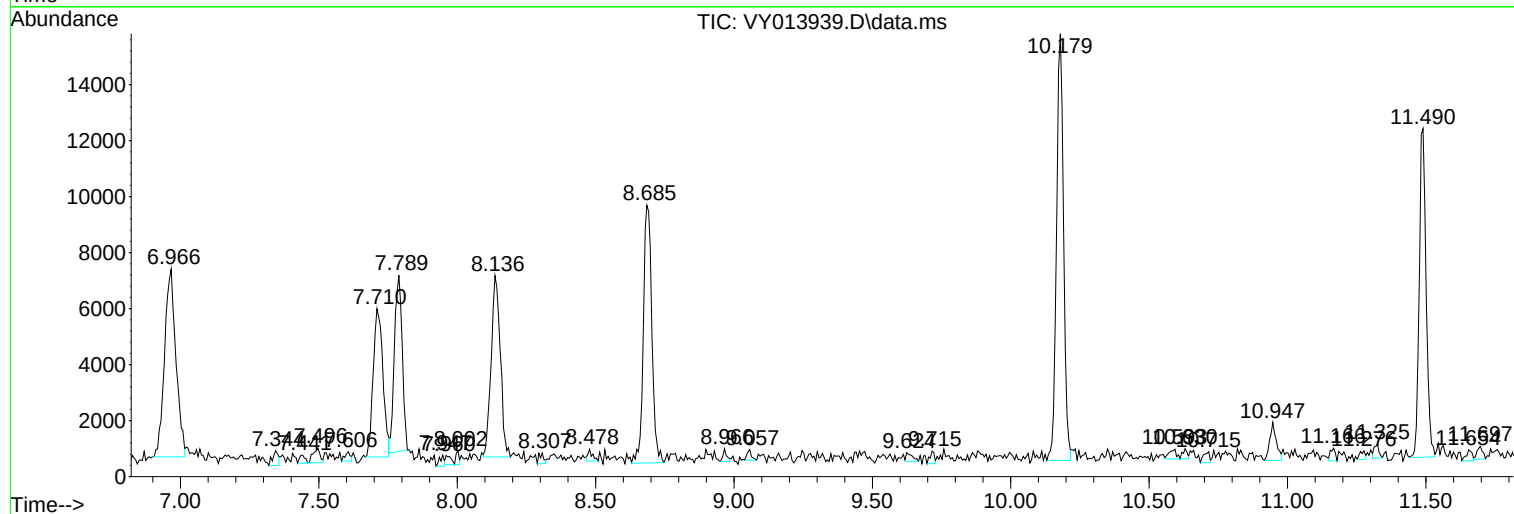
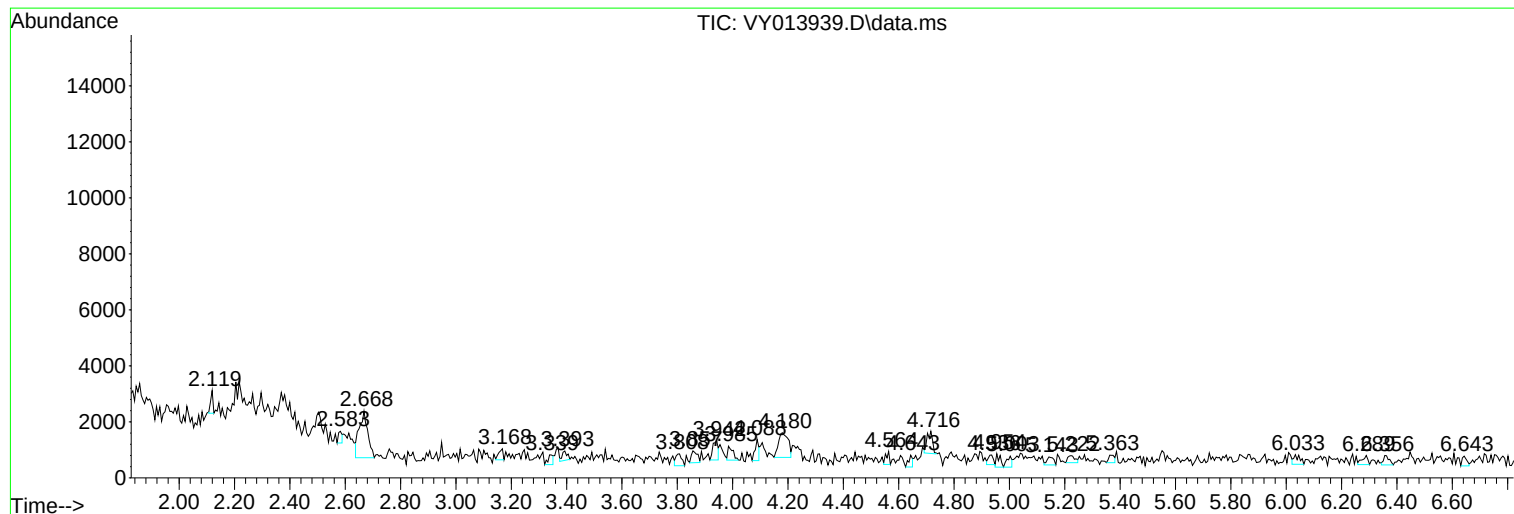
Sum of corrected areas: 209515

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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260

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



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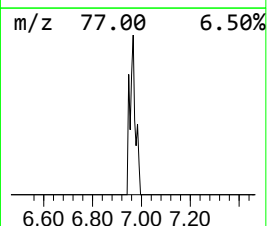
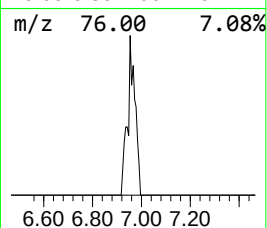
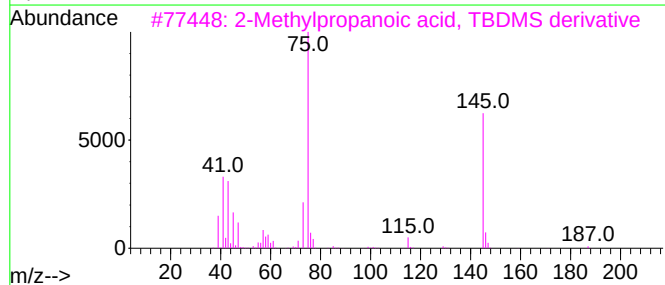
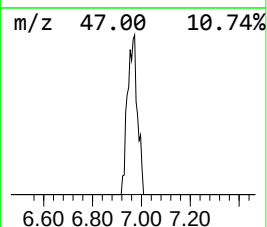
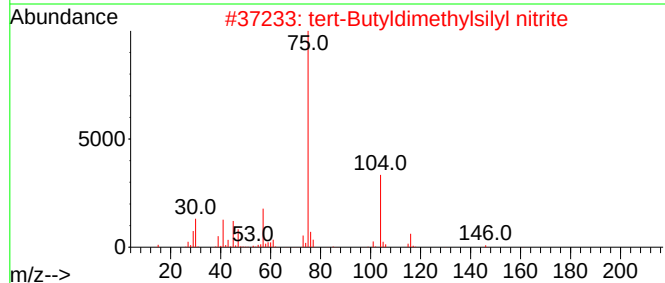
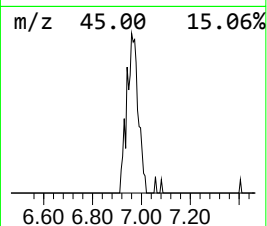
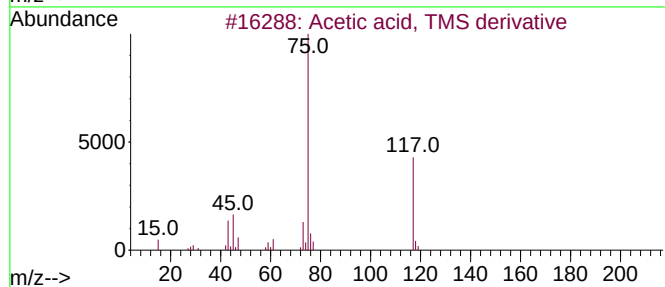
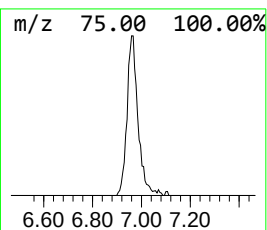
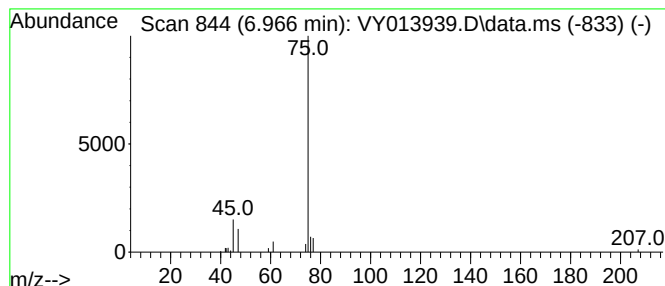
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Acetic acid, TMS derivative Concentration Rank 1

| R.T.  | EstConc    | Area  | Relative to ISTD   | R.T.  |
|-------|------------|-------|--------------------|-------|
| 6.966 | 77.89 ug/l | 19154 | Pentafluorobenzene | 7.789 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Acetic acid, TMS derivative         | 132 | C5H12O2Si  | 002754-27-0  | 83   |
| 2    |    |   | tert-Butyldimethylsilyl nitrite     | 161 | C6H15NO2Si | 1000366-61-8 | 64   |
| 3    |    |   | 2-Methylpropanoic acid, TBDMS de... | 202 | C10H22O2Si | 111864-21-2  | 64   |
| 4    |    |   | Silanol, dimethyl(1,1,2-trimethy... | 160 | C8H20O2Si  | 055644-10-5  | 64   |
| 5    |    |   | Ethylene glycol, TMS derivative     | 134 | C5H14O2Si  | 004403-13-8  | 64   |



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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 |
| Acetic acid, TM... | 6.966 | 77.9    | ug/l  | 19154    | 1                     | 7.789 | 12296 | 50.0 |