

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030625\  
 Data File : VY021448.D  
 Acq On : 06 Mar 2025 20:30  
 Operator : SY/MD  
 Sample : Q1463-10  
 Misc : 6.74g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 T10

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\82Y030425S.M  
 Title : SW846 8260

Signal : TIC: VY021448.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         | 1.873       | 23            | 25          | 27           | rVB      | 707            | 494           | 1.53%           | 0.233%        |
| 2         | 2.068       | 52            | 57          | 58           | rBV2     | 2621           | 3451          | 10.71%          | 1.624%        |
| 3         | 2.330       | 98            | 100         | 101          | rVB2     | 813            | 548           | 1.70%           | 0.258%        |
| 4         | 2.403       | 109           | 112         | 116          | rBV4     | 707            | 1222          | 3.79%           | 0.575%        |
| 5         | 2.440       | 116           | 118         | 120          | rVV3     | 628            | 569           | 1.77%           | 0.268%        |
| 6         | 2.684       | 156           | 158         | 162          | rVB      | 463            | 458           | 1.42%           | 0.216%        |
| 7         | 2.745       | 166           | 168         | 171          | rBV2     | 450            | 512           | 1.59%           | 0.241%        |
| 8         | 2.928       | 197           | 198         | 200          | rBV2     | 529            | 452           | 1.40%           | 0.213%        |
| 9         | 3.019       | 211           | 213         | 214          | rBV      | 627            | 535           | 1.66%           | 0.252%        |
| 10        | 3.117       | 225           | 229         | 232          | rBV3     | 331            | 598           | 1.86%           | 0.281%        |
| 11        | 3.495       | 287           | 291         | 293          | rVB2     | 479            | 468           | 1.45%           | 0.220%        |
| 12        | 3.818       | 341           | 344         | 348          | rVB3     | 475            | 790           | 2.45%           | 0.372%        |
| 13        | 3.854       | 348           | 350         | 353          | rVB2     | 725            | 794           | 2.46%           | 0.374%        |
| 14        | 3.885       | 353           | 355         | 359          | rBV2     | 707            | 838           | 2.60%           | 0.394%        |
| 15        | 3.921       | 359           | 361         | 363          | rBV2     | 331            | 430           | 1.33%           | 0.202%        |
| 16        | 3.995       | 372           | 373         | 375          | rBV2     | 522            | 506           | 1.57%           | 0.238%        |
| 17        | 4.013       | 375           | 376         | 380          | rVV3     | 668            | 798           | 2.48%           | 0.376%        |
| 18        | 4.062       | 382           | 384         | 388          | rVB3     | 601            | 690           | 2.14%           | 0.325%        |
| 19        | 4.098       | 388           | 390         | 393          | rBV2     | 840            | 918           | 2.85%           | 0.432%        |
| 20        | 4.171       | 400           | 402         | 405          | rVB2     | 402            | 494           | 1.53%           | 0.233%        |
| 21        | 4.251       | 412           | 415         | 417          | rBV3     | 577            | 664           | 2.06%           | 0.313%        |
| 22        | 4.306       | 421           | 424         | 426          | rVB2     | 511            | 491           | 1.52%           | 0.231%        |
| 23        | 4.403       | 436           | 440         | 441          | rBV2     | 508            | 548           | 1.70%           | 0.258%        |
| 24        | 4.458       | 447           | 449         | 454          | rBV4     | 390            | 556           | 1.73%           | 0.262%        |
| 25        | 4.531       | 458           | 461         | 464          | rVB2     | 470            | 574           | 1.78%           | 0.270%        |
| 26        | 4.604       | 471           | 473         | 476          | rBV3     | 551            | 611           | 1.90%           | 0.288%        |
| 27        | 4.714       | 488           | 491         | 493          | rBV2     | 727            | 732           | 2.27%           | 0.345%        |
| 28        | 4.793       | 503           | 504         | 508          | rBV3     | 462            | 621           | 1.93%           | 0.292%        |
| 29        | 4.976       | 531           | 534         | 536          | rVB3     | 388            | 453           | 1.41%           | 0.213%        |
| 30        | 5.019       | 539           | 541         | 543          | rBV      | 865            | 658           | 2.04%           | 0.310%        |
| 31        | 5.116       | 554           | 557         | 560          | rBV2     | 551            | 893           | 2.77%           | 0.420%        |
| 32        | 5.318       | 588           | 590         | 597          | rVB3     | 298            | 660           | 2.05%           | 0.311%        |
| 33        | 5.385       | 597           | 601         | 603          | rBV3     | 522            | 652           | 2.02%           | 0.307%        |
| 34        | 5.458       | 608           | 613         | 616          | rVB3     | 504            | 949           | 2.95%           | 0.447%        |
| 35        | 6.122       | 720           | 722         | 725          | rBV2     | 386            | 485           | 1.51%           | 0.228%        |
| 36        | 6.165       | 726           | 729         | 733          | rVB3     | 442            | 571           | 1.77%           | 0.269%        |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |         |         |
|----|--------|------|------|------|------|-------|-------|---------|---------|
| 37 | 6.555  | 790  | 793  | 797  | rBV3 | 622   | 989   | 3.07%   | 0.466%  |
| 38 | 6.665  | 810  | 811  | 815  | rBV  | 487   | 562   | 1.74%   | 0.265%  |
| 39 | 6.720  | 818  | 820  | 822  | rBV3 | 417   | 437   | 1.36%   | 0.206%  |
| 40 | 6.769  | 826  | 828  | 830  | rBV2 | 581   | 548   | 1.70%   | 0.258%  |
| 41 | 6.787  | 830  | 831  | 835  | rVB2 | 481   | 505   | 1.57%   | 0.238%  |
| 42 | 6.829  | 835  | 838  | 841  | rBV3 | 431   | 507   | 1.57%   | 0.239%  |
| 43 | 6.878  | 844  | 846  | 850  | rVB3 | 515   | 539   | 1.67%   | 0.254%  |
| 44 | 7.293  | 911  | 914  | 916  | rBV2 | 471   | 561   | 1.74%   | 0.264%  |
| 45 | 7.372  | 925  | 927  | 928  | rVB  | 677   | 437   | 1.36%   | 0.206%  |
| 46 | 7.403  | 928  | 932  | 933  | rBV3 | 404   | 475   | 1.47%   | 0.224%  |
| 47 | 7.451  | 937  | 940  | 941  | rVB2 | 522   | 459   | 1.42%   | 0.216%  |
| 48 | 7.628  | 960  | 969  | 975  | rBV4 | 6087  | 15431 | 47.90%  | 7.263%  |
| 49 | 7.707  | 976  | 982  | 989  | rVB  | 11645 | 26865 | 83.39%  | 12.646% |
| 50 | 7.841  | 1001 | 1004 | 1007 | rBV2 | 624   | 751   | 2.33%   | 0.353%  |
| 51 | 7.963  | 1022 | 1024 | 1026 | rBV2 | 391   | 471   | 1.46%   | 0.222%  |
| 52 | 8.061  | 1033 | 1040 | 1050 | rBV3 | 5659  | 12622 | 39.18%  | 5.941%  |
| 53 | 8.152  | 1053 | 1055 | 1059 | rBV2 | 711   | 1254  | 3.89%   | 0.590%  |
| 54 | 8.299  | 1076 | 1079 | 1080 | rBV  | 474   | 513   | 1.59%   | 0.241%  |
| 55 | 8.335  | 1083 | 1085 | 1087 | rBV2 | 632   | 446   | 1.38%   | 0.210%  |
| 56 | 8.433  | 1099 | 1101 | 1103 | rBV2 | 377   | 429   | 1.33%   | 0.202%  |
| 57 | 8.555  | 1119 | 1121 | 1124 | rBV2 | 463   | 567   | 1.76%   | 0.267%  |
| 58 | 8.616  | 1124 | 1131 | 1137 | rVV2 | 13912 | 28544 | 88.60%  | 13.436% |
| 59 | 8.793  | 1157 | 1160 | 1162 | rBV2 | 426   | 557   | 1.73%   | 0.262%  |
| 60 | 8.945  | 1182 | 1185 | 1188 | rBV2 | 477   | 595   | 1.85%   | 0.280%  |
| 61 | 8.982  | 1188 | 1191 | 1192 | rBV2 | 392   | 510   | 1.58%   | 0.240%  |
| 62 | 9.506  | 1274 | 1277 | 1278 | rVB2 | 541   | 520   | 1.61%   | 0.245%  |
| 63 | 9.555  | 1282 | 1285 | 1286 | rVB3 | 554   | 442   | 1.37%   | 0.208%  |
| 64 | 9.731  | 1311 | 1314 | 1317 | rVB2 | 482   | 507   | 1.57%   | 0.239%  |
| 65 | 9.805  | 1319 | 1326 | 1329 | rBV2 | 482   | 764   | 2.37%   | 0.360%  |
| 66 | 9.829  | 1329 | 1330 | 1334 | rBV3 | 470   | 422   | 1.31%   | 0.199%  |
| 67 | 10.036 | 1360 | 1364 | 1366 | rBV2 | 563   | 641   | 1.99%   | 0.302%  |
| 68 | 10.103 | 1369 | 1375 | 1384 | rBV  | 18115 | 32216 | 100.00% | 15.164% |
| 69 | 10.372 | 1417 | 1419 | 1423 | rBV3 | 413   | 484   | 1.50%   | 0.228%  |
| 70 | 10.579 | 1450 | 1453 | 1456 | rBV3 | 513   | 533   | 1.65%   | 0.251%  |
| 71 | 10.756 | 1478 | 1482 | 1484 | rBV2 | 406   | 610   | 1.89%   | 0.287%  |
| 72 | 10.810 | 1488 | 1491 | 1493 | rBV  | 623   | 743   | 2.31%   | 0.350%  |
| 73 | 10.835 | 1493 | 1495 | 1497 | rBV2 | 379   | 422   | 1.31%   | 0.199%  |
| 74 | 11.115 | 1540 | 1541 | 1545 | rBV2 | 444   | 523   | 1.62%   | 0.246%  |
| 75 | 11.414 | 1585 | 1590 | 1600 | rVB  | 13110 | 21734 | 67.46%  | 10.230% |
| 76 | 12.011 | 1683 | 1688 | 1691 | rBV3 | 251   | 557   | 1.73%   | 0.262%  |

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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\82Y030425S.M  
 Title : SW846 8260

|    |        |      |      |      |      |      |      |        |        |
|----|--------|------|------|------|------|------|------|--------|--------|
| 77 | 12.268 | 1726 | 1730 | 1731 | rBV2 | 374  | 493  | 1.53%  | 0.232% |
| 78 | 12.322 | 1735 | 1739 | 1742 | rBV3 | 487  | 890  | 2.76%  | 0.419% |
| 79 | 12.414 | 1746 | 1754 | 1760 | rVB5 | 4855 | 9242 | 28.69% | 4.350% |
| 80 | 12.700 | 1799 | 1801 | 1805 | rVB2 | 384  | 506  | 1.57%  | 0.238% |
| 81 | 12.950 | 1839 | 1842 | 1843 | rBV3 | 513  | 557  | 1.73%  | 0.262% |
| 82 | 13.145 | 1869 | 1874 | 1877 | rBV2 | 778  | 976  | 3.03%  | 0.459% |
| 83 | 13.182 | 1877 | 1880 | 1882 | rBV2 | 376  | 462  | 1.43%  | 0.217% |
| 84 | 13.243 | 1887 | 1890 | 1894 | rVB2 | 488  | 711  | 2.21%  | 0.335% |
| 85 | 13.347 | 1901 | 1907 | 1915 | rBV3 | 3450 | 5927 | 18.40% | 2.790% |
| 86 | 13.755 | 1970 | 1974 | 1975 | rBV2 | 556  | 560  | 1.74%  | 0.264% |
| 87 | 13.889 | 1992 | 1996 | 2002 | rVB4 | 2176 | 3397 | 10.54% | 1.599% |
| 88 | 14.359 | 2071 | 2073 | 2078 | rBV2 | 319  | 424  | 1.32%  | 0.200% |
| 89 | 14.987 | 2172 | 2176 | 2179 | rBV2 | 428  | 728  | 2.26%  | 0.343% |
| 90 | 15.157 | 2199 | 2204 | 2207 | rVB3 | 505  | 906  | 2.81%  | 0.426% |
| 91 | 15.255 | 2218 | 2220 | 2224 | rBV4 | 308  | 498  | 1.55%  | 0.234% |
| 92 | 15.377 | 2238 | 2240 | 2243 | rVB  | 529  | 488  | 1.51%  | 0.230% |
| 93 | 15.871 | 2320 | 2321 | 2323 | rBV  | 565  | 479  | 1.49%  | 0.225% |
| 94 | 15.986 | 2338 | 2340 | 2343 | rVB2 | 449  | 514  | 1.60%  | 0.242% |
| 95 | 16.011 | 2343 | 2344 | 2346 | rBV  | 550  | 440  | 1.37%  | 0.207% |
| 96 | 16.157 | 2367 | 2368 | 2371 | rBV  | 603  | 437  | 1.36%  | 0.206% |
| 97 | 16.334 | 2395 | 2397 | 2399 | rBV2 | 497  | 432  | 1.34%  | 0.203% |
| 98 | 16.736 | 2459 | 2463 | 2465 | rBV2 | 308  | 488  | 1.51%  | 0.230% |
| 99 | 16.761 | 2465 | 2467 | 2470 | rBV2 | 424  | 517  | 1.60%  | 0.243% |

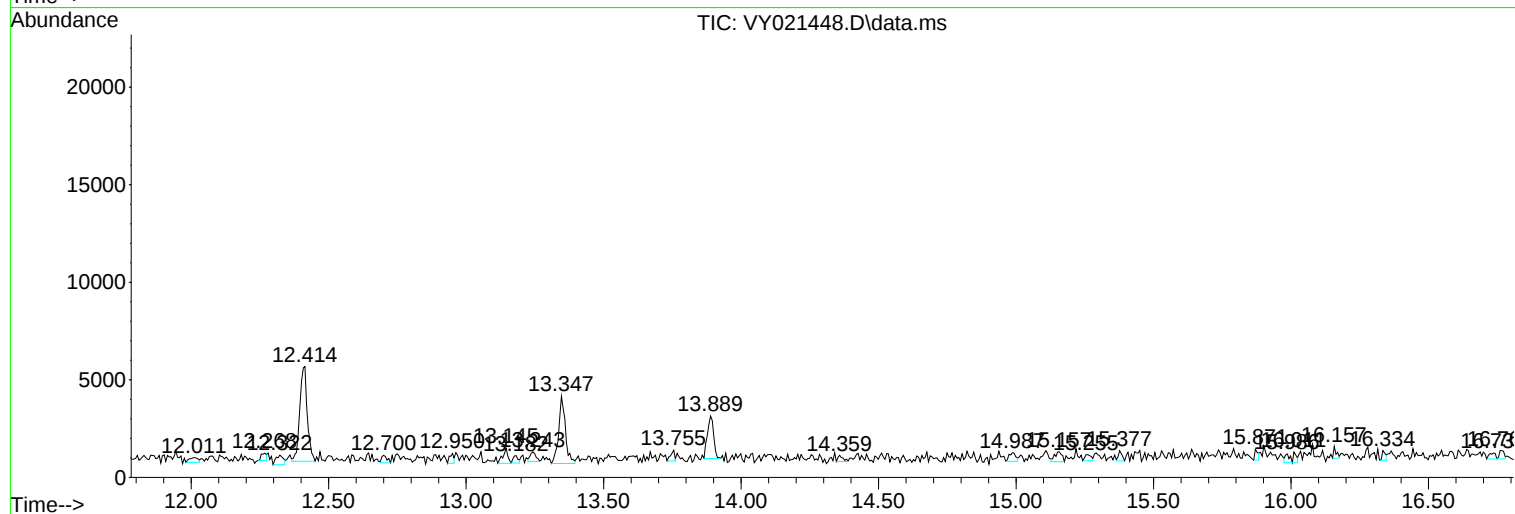
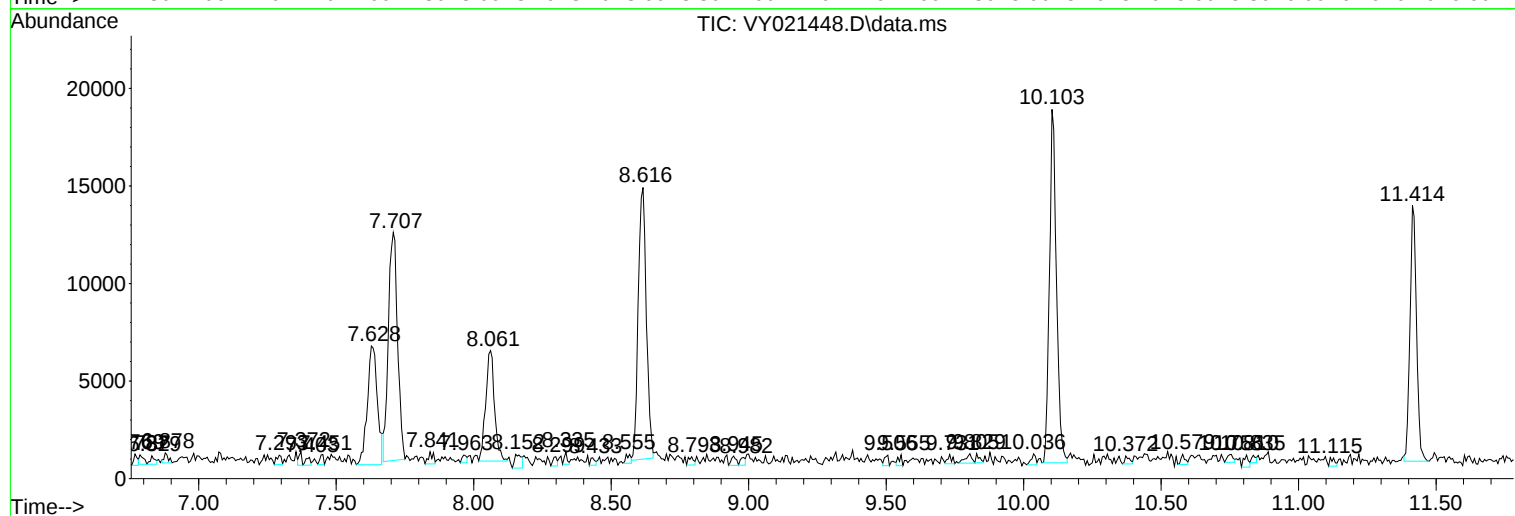
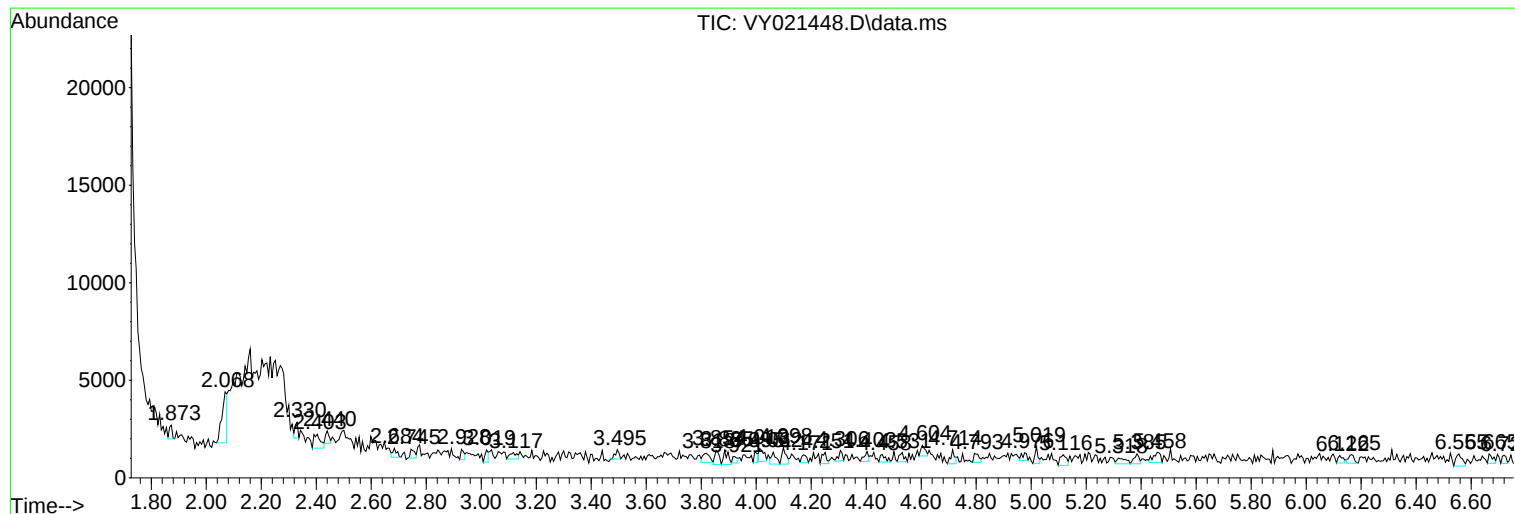
Sum of corrected areas: 212447

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

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



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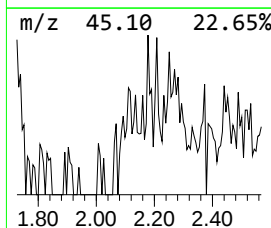
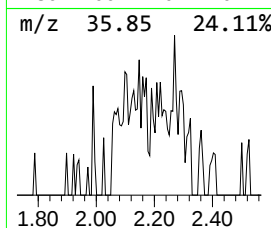
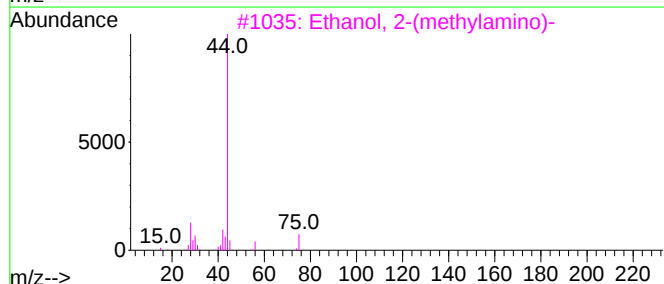
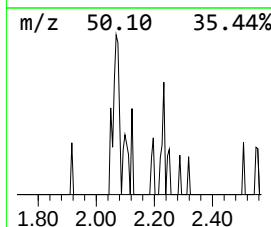
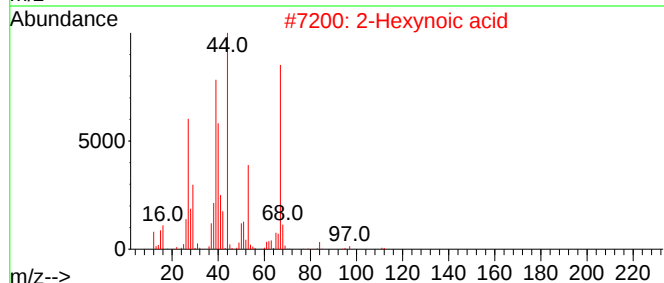
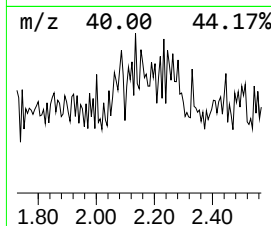
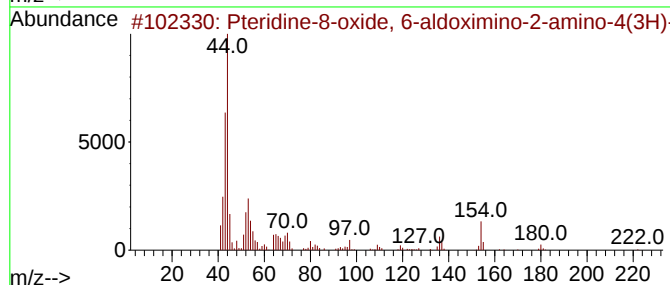
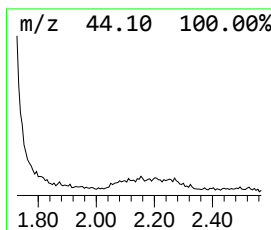
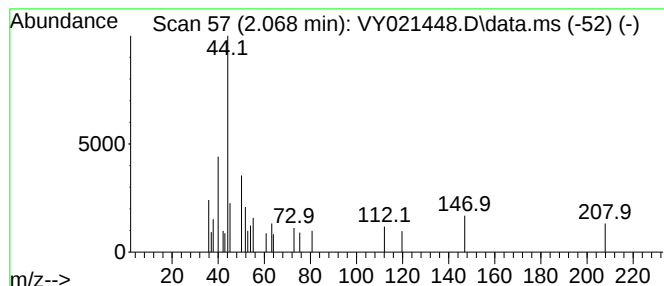
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown 2.068 Concentration Rank 4

| R.T.  | EstConc   | Area | Relative to ISTD   | R.T.  |
|-------|-----------|------|--------------------|-------|
| 2.068 | 6.42 ug/l | 3451 | Pentafluorobenzene | 7.707 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Pteridine-8-oxide, 6-aldoximino-... | 222 | C7H6N6O3 | 023663-23-2 | 36   |
| 2    |    |   | 2-Hexynoic acid                     | 112 | C6H8O2   | 000764-33-0 | 12   |
| 3    |    |   | Ethanol, 2-(methylamino)-           | 75  | C3H9NO   | 000109-83-1 | 9    |
| 4    |    |   | 1-Propene, 3-azido-                 | 83  | C3H5N3   | 000821-13-6 | 9    |
| 5    |    |   | 3,4-Furandiyl, tetrahydro-, cis-    | 104 | C4H8O3   | 004358-64-9 | 9    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |       |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|-------|------|
|                  |       |         |       |          | #                     | RT    | Resp  | Conc |
| unknown 2.068    | 2.068 | 6.4     | ug/l  | 3451     | 1                     | 7.707 | 26865 | 50.0 |