

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051525\  
 Data File : VD080357.D  
 Acq On : 15 May 2025 19:02  
 Operator : RP/MD  
 Sample : VIBLK  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

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\_D\Method\82D050625S.M  
 Title : SW846 8260

Signal : TIC: VD080357.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         | 1.929       | 26            | 27          | 31           | rVV      | 2255           | 1490          | 18.85%          | 0.965%        |
| 2         | 1.965       | 31            | 33          | 36           | rVB      | 1550           | 1599          | 20.23%          | 1.036%        |
| 3         | 2.165       | 63            | 67          | 68           | rBV2     | 3220           | 2910          | 36.81%          | 1.885%        |
| 4         | 2.182       | 68            | 70          | 71           | rBV2     | 1657           | 1512          | 19.13%          | 0.980%        |
| 5         | 2.294       | 87            | 89          | 90           | rVB2     | 3431           | 1778          | 22.49%          | 1.152%        |
| 6         | 2.500       | 122           | 124         | 126          | rBV      | 1995           | 1711          | 21.64%          | 1.109%        |
| 7         | 2.518       | 126           | 127         | 128          | rBV      | 2613           | 1189          | 15.04%          | 0.770%        |
| 8         | 2.594       | 138           | 140         | 142          | rBV2     | 1759           | 1175          | 14.86%          | 0.761%        |
| 9         | 2.629       | 145           | 146         | 149          | rVB2     | 2774           | 1265          | 16.00%          | 0.820%        |
| 10        | 2.659       | 149           | 151         | 152          | rBV      | 3073           | 2070          | 26.19%          | 1.341%        |
| 11        | 2.700       | 156           | 158         | 163          | rBV5     | 2148           | 1817          | 22.99%          | 1.177%        |
| 12        | 2.965       | 201           | 203         | 205          | rBV      | 2039           | 2063          | 26.10%          | 1.337%        |
| 13        | 3.188       | 238           | 241         | 243          | rVB2     | 1176           | 1441          | 18.23%          | 0.934%        |
| 14        | 3.218       | 243           | 246         | 248          | rBV3     | 965            | 1154          | 14.60%          | 0.748%        |
| 15        | 3.400       | 274           | 277         | 278          | rBV      | 1759           | 1808          | 22.87%          | 1.171%        |
| 16        | 3.488       | 289           | 292         | 293          | rVB2     | 1527           | 1233          | 15.60%          | 0.799%        |
| 17        | 3.524       | 293           | 298         | 299          | rBV      | 1585           | 1556          | 19.68%          | 1.008%        |
| 18        | 3.653       | 318           | 320         | 323          | rVB4     | 2164           | 1706          | 21.58%          | 1.105%        |
| 19        | 3.759       | 336           | 338         | 340          | rBV2     | 1309           | 1426          | 18.04%          | 0.924%        |
| 20        | 3.829       | 349           | 350         | 354          | rVB      | 1173           | 1181          | 14.94%          | 0.765%        |
| 21        | 3.859       | 354           | 355         | 359          | rBV2     | 1318           | 1576          | 19.94%          | 1.021%        |
| 22        | 3.965       | 372           | 373         | 377          | rVB2     | 1560           | 1513          | 19.14%          | 0.980%        |
| 23        | 4.006       | 377           | 380         | 381          | rBV2     | 1434           | 1241          | 15.70%          | 0.804%        |
| 24        | 4.053       | 387           | 388         | 390          | rBV      | 1290           | 1113          | 14.08%          | 0.721%        |
| 25        | 4.259       | 419           | 423         | 424          | rVB2     | 2020           | 2052          | 25.96%          | 1.329%        |
| 26        | 4.276       | 424           | 426         | 428          | rBV2     | 1570           | 1441          | 18.23%          | 0.934%        |
| 27        | 4.800       | 510           | 515         | 518          | rBV5     | 2890           | 4678          | 59.18%          | 3.031%        |
| 28        | 4.906       | 530           | 533         | 534          | rVB      | 1518           | 1142          | 14.45%          | 0.740%        |
| 29        | 4.959       | 541           | 542         | 545          | rBV2     | 1677           | 1527          | 19.32%          | 0.989%        |
| 30        | 5.176       | 577           | 579         | 584          | rBV2     | 1523           | 2206          | 27.91%          | 1.429%        |
| 31        | 5.335       | 603           | 606         | 607          | rVB      | 1511           | 1271          | 16.08%          | 0.823%        |
| 32        | 5.406       | 613           | 618         | 621          | rBV4     | 1045           | 1570          | 19.86%          | 1.017%        |
| 33        | 5.453       | 624           | 626         | 628          | rVB2     | 1226           | 1174          | 14.85%          | 0.761%        |
| 34        | 5.500       | 631           | 634         | 636          | rBV      | 1063           | 1306          | 16.52%          | 0.846%        |
| 35        | 5.529       | 636           | 639         | 642          | rVB2     | 1913           | 1694          | 21.43%          | 1.097%        |
| 36        | 5.553       | 642           | 643         | 646          | rVB      | 1544           | 1114          | 14.09%          | 0.722%        |

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

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\_D\Method\82D050625S.M  
 Title : SW846 8260

|    |        |      |      |      |      |      |      |        |        |
|----|--------|------|------|------|------|------|------|--------|--------|
| 37 | 5.582  | 646  | 648  | 651  | rBV  | 1315 | 1368 | 17.31% | 0.886% |
| 38 | 5.876  | 696  | 698  | 700  | rVB2 | 1779 | 1500 | 18.98% | 0.972% |
| 39 | 5.953  | 709  | 711  | 714  | rBV3 | 1921 | 2027 | 25.64% | 1.313% |
| 40 | 6.265  | 761  | 764  | 768  | rBV2 | 931  | 1480 | 18.72% | 0.959% |
| 41 | 6.359  | 777  | 780  | 781  | rBV  | 1621 | 1133 | 14.33% | 0.734% |
| 42 | 6.953  | 878  | 881  | 882  | rVB2 | 1465 | 1285 | 16.26% | 0.833% |
| 43 | 7.012  | 890  | 891  | 895  | rBV  | 1592 | 1395 | 17.65% | 0.904% |
| 44 | 7.076  | 898  | 902  | 904  | rVV2 | 1294 | 1807 | 22.86% | 1.171% |
| 45 | 7.441  | 961  | 964  | 965  | rBV2 | 1509 | 1117 | 14.13% | 0.724% |
| 46 | 7.576  | 985  | 987  | 992  | rVB3 | 1949 | 2204 | 27.88% | 1.428% |
| 47 | 7.612  | 992  | 993  | 997  | rVB2 | 1287 | 1286 | 16.27% | 0.833% |
| 48 | 7.694  | 1004 | 1007 | 1008 | rVB2 | 1415 | 1269 | 16.05% | 0.822% |
| 49 | 7.729  | 1012 | 1013 | 1016 | rVB2 | 1872 | 1109 | 14.03% | 0.718% |
| 50 | 7.759  | 1016 | 1018 | 1022 | rBV4 | 1108 | 1685 | 21.32% | 1.092% |
| 51 | 7.982  | 1054 | 1056 | 1058 | rVB2 | 1733 | 1397 | 17.67% | 0.905% |
| 52 | 8.035  | 1062 | 1065 | 1067 | rVB  | 1532 | 1191 | 15.07% | 0.772% |
| 53 | 8.117  | 1077 | 1079 | 1081 | rBV2 | 1485 | 1135 | 14.36% | 0.735% |
| 54 | 8.147  | 1081 | 1084 | 1088 | rVV2 | 1367 | 1339 | 16.94% | 0.867% |
| 55 | 8.276  | 1104 | 1106 | 1110 | rBV2 | 1609 | 2245 | 28.40% | 1.454% |
| 56 | 8.364  | 1119 | 1121 | 1122 | rBV  | 1692 | 1343 | 16.99% | 0.870% |
| 57 | 8.376  | 1122 | 1123 | 1125 | rVB  | 2470 | 1141 | 14.43% | 0.739% |
| 58 | 8.511  | 1145 | 1146 | 1150 | rVB2 | 1418 | 1221 | 15.45% | 0.791% |
| 59 | 8.606  | 1159 | 1162 | 1165 | rBV2 | 1520 | 2005 | 25.36% | 1.299% |
| 60 | 8.770  | 1188 | 1190 | 1192 | rBV2 | 1656 | 1747 | 22.10% | 1.132% |
| 61 | 8.864  | 1203 | 1206 | 1207 | rBV3 | 1590 | 1445 | 18.28% | 0.936% |
| 62 | 9.111  | 1246 | 1248 | 1250 | rVB2 | 1348 | 1239 | 15.67% | 0.803% |
| 63 | 9.159  | 1254 | 1256 | 1261 | rVB3 | 2578 | 2746 | 34.74% | 1.779% |
| 64 | 9.288  | 1276 | 1278 | 1280 | rBV  | 1422 | 1569 | 19.85% | 1.017% |
| 65 | 9.359  | 1289 | 1290 | 1291 | rBV  | 2316 | 1198 | 15.15% | 0.776% |
| 66 | 9.411  | 1297 | 1299 | 1300 | rBV  | 1818 | 1220 | 15.43% | 0.790% |
| 67 | 9.647  | 1335 | 1339 | 1340 | rBV2 | 1473 | 1651 | 20.89% | 1.070% |
| 68 | 9.806  | 1363 | 1366 | 1368 | rBV4 | 1405 | 1461 | 18.48% | 0.947% |
| 69 | 9.876  | 1376 | 1378 | 1380 | rBV2 | 1305 | 1188 | 15.03% | 0.770% |
| 70 | 9.935  | 1386 | 1388 | 1391 | rVB2 | 2288 | 2030 | 25.68% | 1.315% |
| 71 | 9.970  | 1393 | 1394 | 1398 | rVB2 | 3704 | 3769 | 47.68% | 2.442% |
| 72 | 10.006 | 1398 | 1400 | 1401 | rBV  | 2747 | 2157 | 27.29% | 1.397% |
| 73 | 10.035 | 1401 | 1405 | 1407 | rBV4 | 1523 | 2392 | 30.26% | 1.550% |
| 74 | 10.076 | 1410 | 1412 | 1414 | rBV  | 1434 | 1413 | 17.87% | 0.915% |
| 75 | 10.276 | 1442 | 1446 | 1448 | rBV5 | 2278 | 3020 | 38.20% | 1.957% |
| 76 | 10.382 | 1461 | 1464 | 1465 | rBV3 | 2690 | 3027 | 38.29% | 1.961% |

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Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

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\_D\Method\82D050625S.M

Title : SW846 8260

|    |        |      |      |      |      |      |      |         |        |
|----|--------|------|------|------|------|------|------|---------|--------|
| 77 | 10.400 | 1465 | 1467 | 1468 | rBV2 | 2453 | 1435 | 18.15%  | 0.930% |
| 78 | 10.464 | 1476 | 1478 | 1480 | rVB3 | 3228 | 1850 | 23.40%  | 1.199% |
| 79 | 10.606 | 1500 | 1502 | 1504 | rBV2 | 2136 | 2398 | 30.34%  | 1.554% |
| 80 | 10.653 | 1506 | 1510 | 1511 | rBV4 | 4273 | 4663 | 58.99%  | 3.021% |
| 81 | 11.253 | 1610 | 1612 | 1613 | rBV2 | 4625 | 2832 | 35.83%  | 1.835% |
| 82 | 11.582 | 1666 | 1668 | 1674 | rVB7 | 5465 | 7905 | 100.00% | 5.121% |
| 83 | 16.588 | 2517 | 2519 | 2521 | rBV3 | 4267 | 3347 | 42.34%  | 2.168% |
| 84 | 16.699 | 2536 | 2538 | 2541 | rBV4 | 4491 | 4266 | 53.97%  | 2.764% |

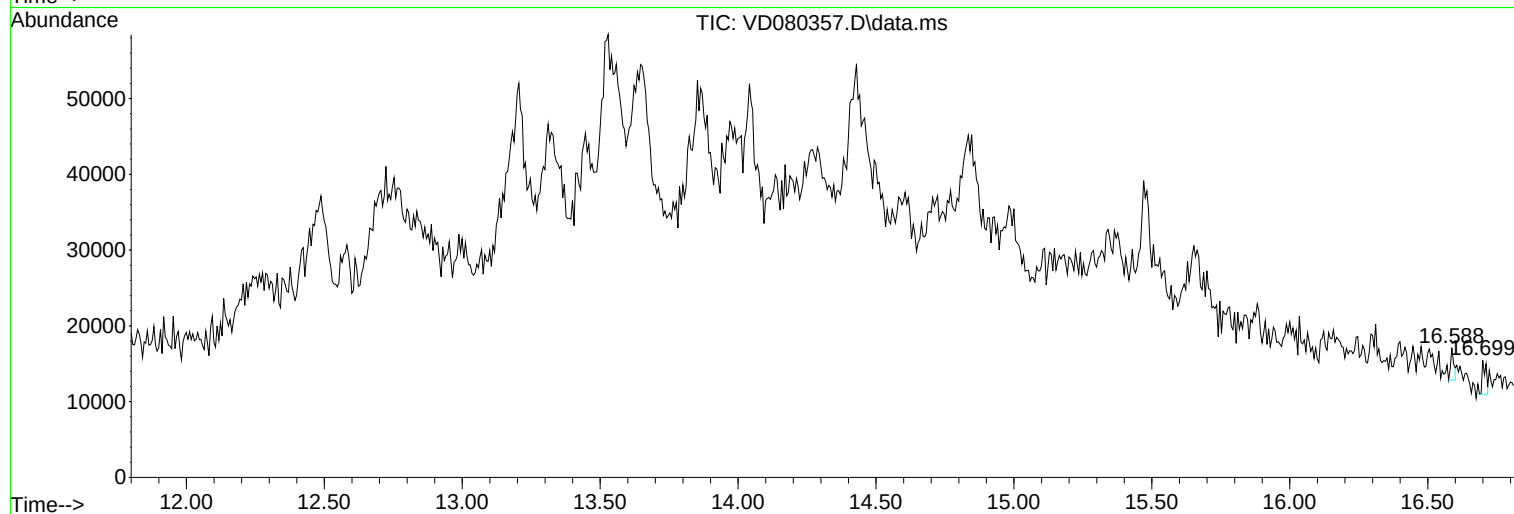
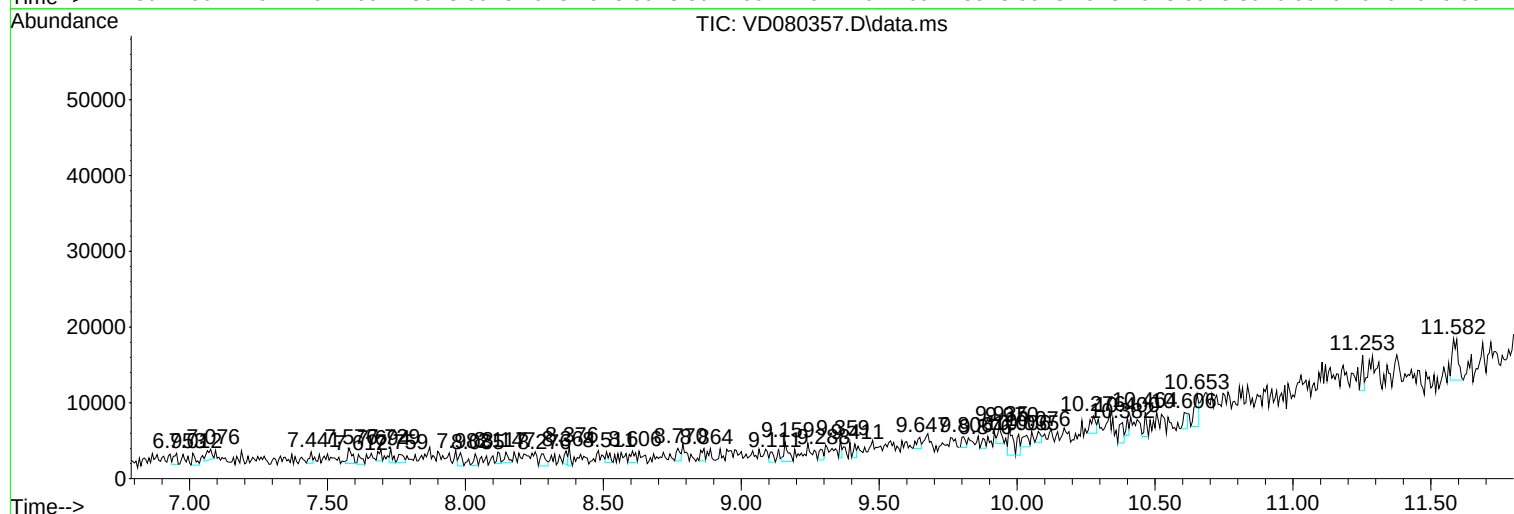
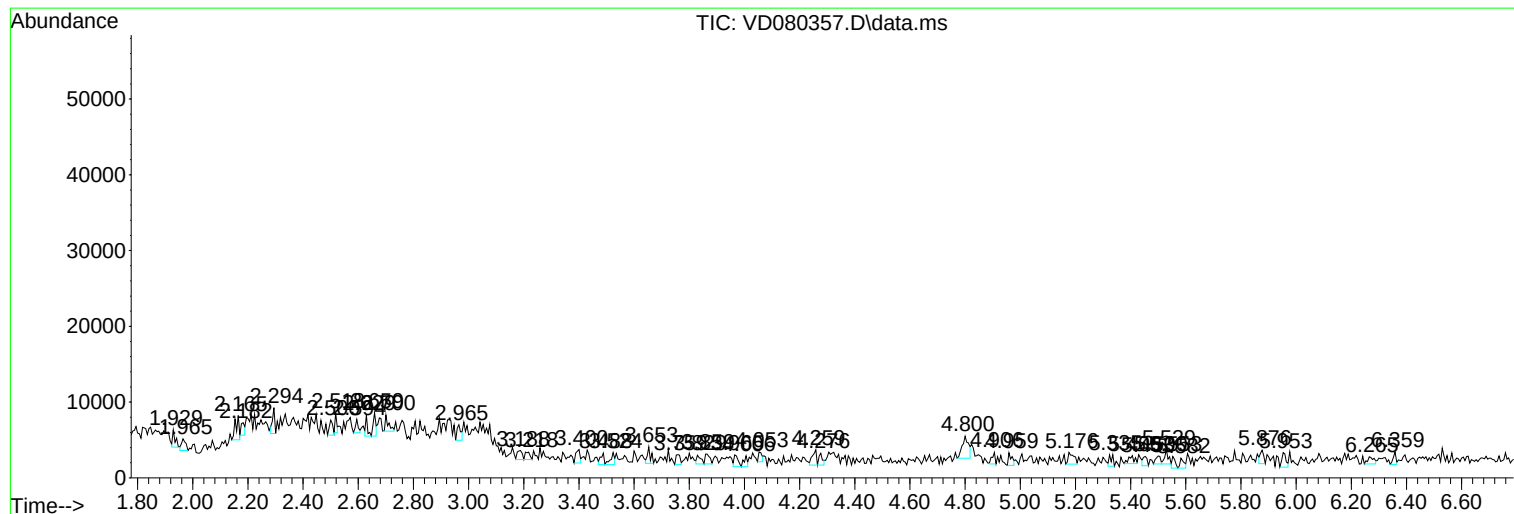
Sum of corrected areas: 154352

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051525\  
Data File : VD080357.D  
Acq On : 15 May 2025 19:02  
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Sample : VIBLK  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051525\  
Data File : VD080357.D  
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Operator : RP/MD  
Sample : VIBLK  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260

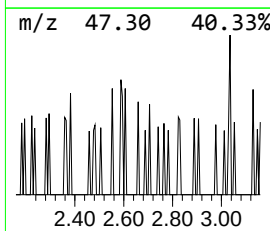
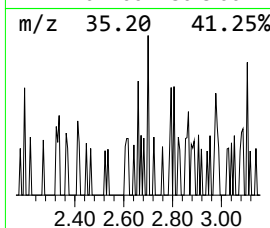
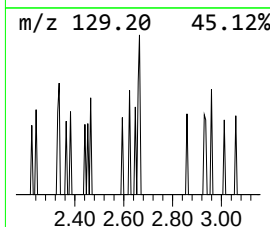
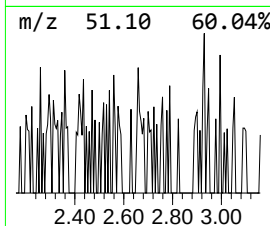
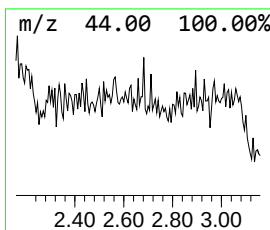
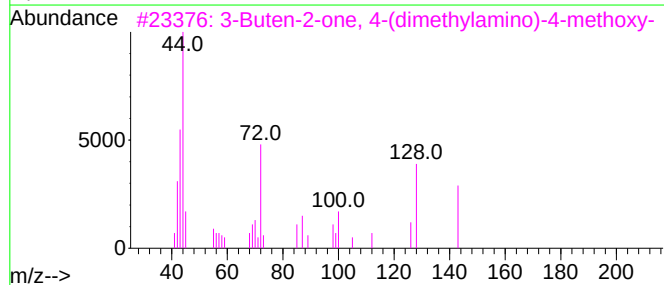
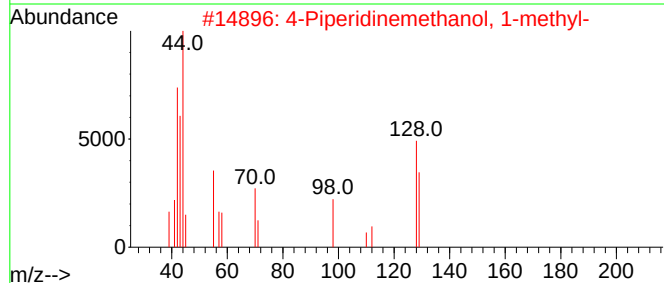
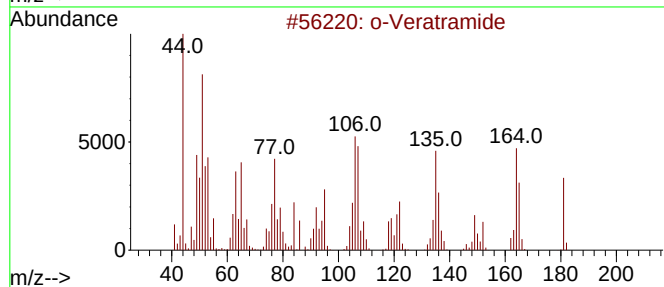
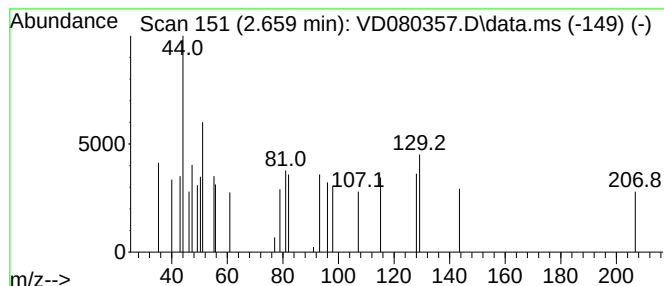
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown2.659 Concentration Rank 7

| R.T.  | EstConc    | Area | Relative to ISTD   | R.T.  |
|-------|------------|------|--------------------|-------|
| 2.659 | 74.09 ug/l | 2070 | Pentafluorobenzene | 7.870 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | o-Veratramide                       | 181 | C9H11NO3 | 001521-39-7 | 32   |
| 2    |    |   | 4-Piperidinemethanol, 1-methyl-     | 129 | C7H15NO  | 020691-89-8 | 10   |
| 3    |    |   | 3-Buten-2-one, 4-(dimethylamino)... | 143 | C7H13NO2 | 049582-68-5 | 9    |
| 4    |    |   | 3-Pentanone, dimethylhydrazone      | 128 | C7H16N2  | 016795-73-6 | 9    |
| 5    |    |   | 3-Pyrrolidinecarboxylic acid, 1-... | 143 | C6H9NO3  | 042346-68-9 | 9    |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260

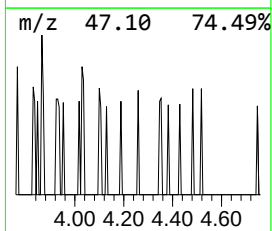
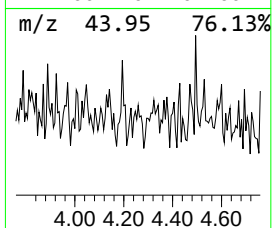
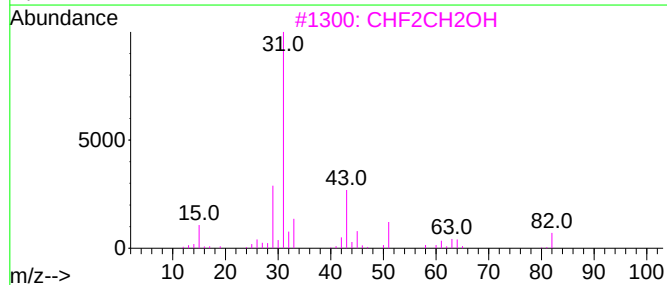
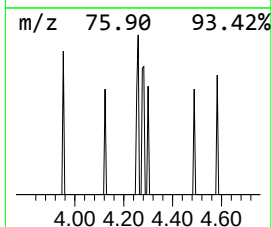
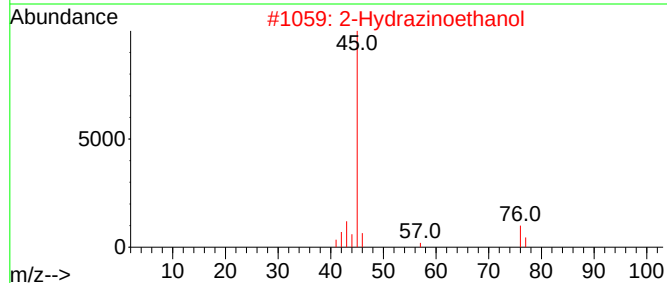
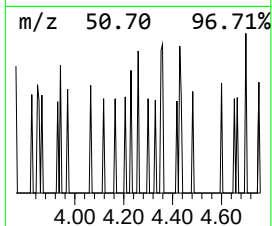
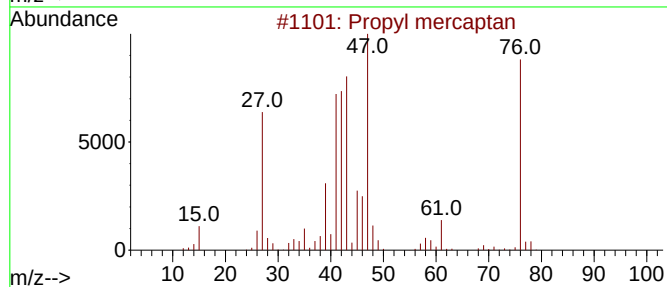
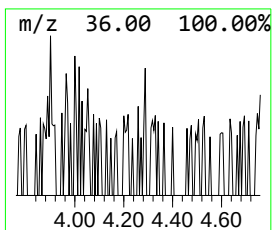
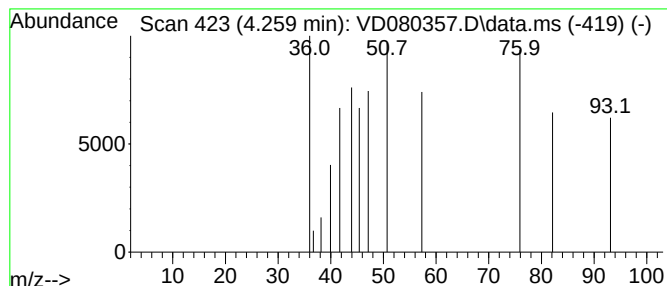
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown4.259 Concentration Rank 9

| R.T.  | EstConc    | Area | Relative to ISTD   | R.T.  |
|-------|------------|------|--------------------|-------|
| 4.259 | 73.44 ug/l | 2052 | Pentafluorobenzene | 7.870 |

| Hit# | of 5 | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|------|--------------------|----|---------|-------------|------|
| 1    |      | Propyl mercaptan   | 76 | C3H8S   | 000107-03-9 | 16   |
| 2    |      | 2-Hydrazinoethanol | 76 | C2H8N2O | 000109-84-2 | 5    |
| 3    |      | CHF2CH2OH          | 82 | C2H4F2O | 000359-13-7 | 4    |
| 4    |      | 1,2,4-Trioxolane   | 76 | C2H4O3  | 000289-14-5 | 4    |
| 5    |      | 2-Butene-1,4-diol  | 88 | C4H8O2  | 000110-64-5 | 4    |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260

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

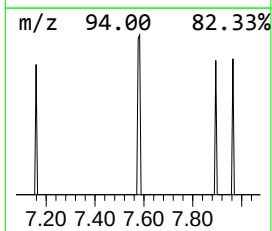
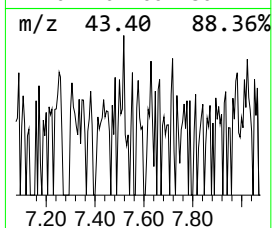
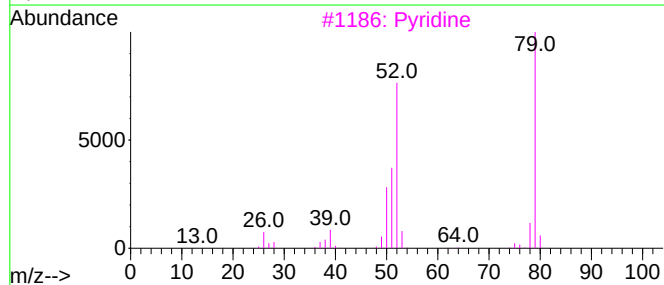
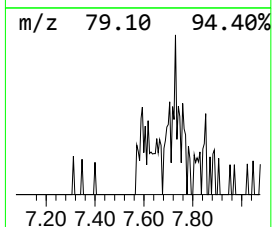
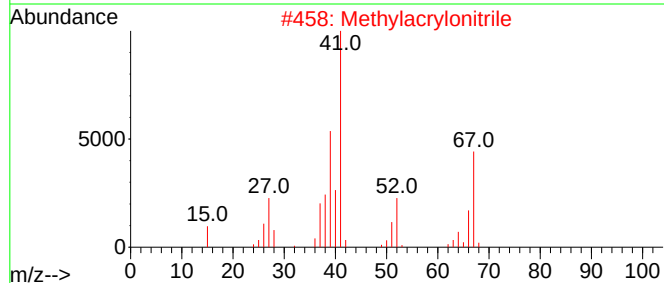
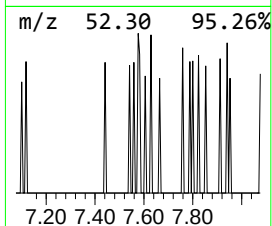
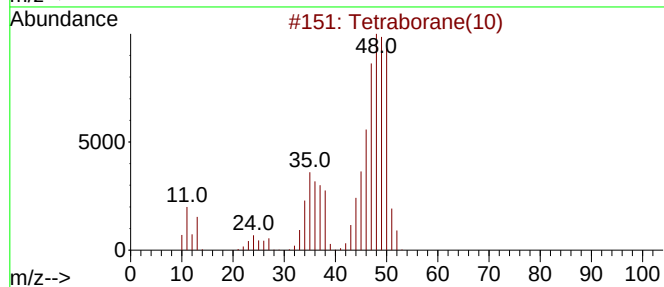
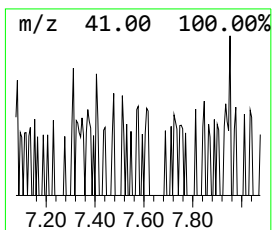
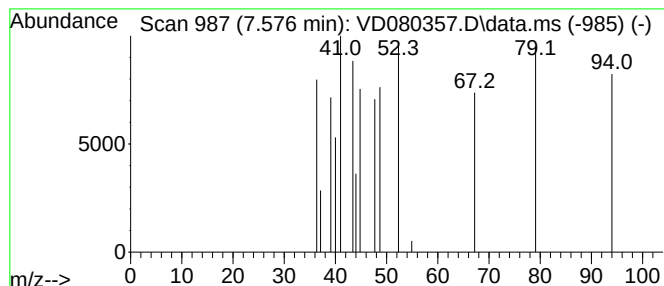
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Peak Number 8 unknown7.576 Concentration Rank 5

| R.T.  | EstConc    | Area | Relative to ISTD   | R.T.  |
|-------|------------|------|--------------------|-------|
| 7.576 | 78.88 ug/l | 2204 | Pentafluorobenzene | 7.870 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Tetraborane(10)          | 54 | B4H10   | 018283-93-7 | 12   |
| 2    |    |   | Methylacrylonitrile      | 67 | C4H5N   | 000126-98-7 | 9    |
| 3    |    |   | Pyridine                 | 79 | C5H5N   | 000110-86-1 | 5    |
| 4    |    |   | 3-Hepten-1-yne, (Z)-     | 94 | C7H10   | 000764-57-8 | 5    |
| 5    |    |   | Propane, 2-(methylthio)- | 90 | C4H10S  | 001551-21-9 | 4    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051525\  
Data File : VD080357.D  
Acq On : 15 May 2025 19:02  
Operator : RP/MD  
Sample : VIBLK  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260

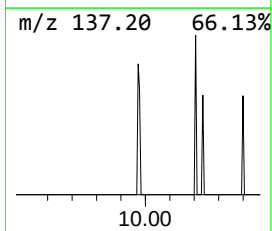
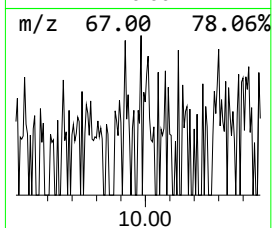
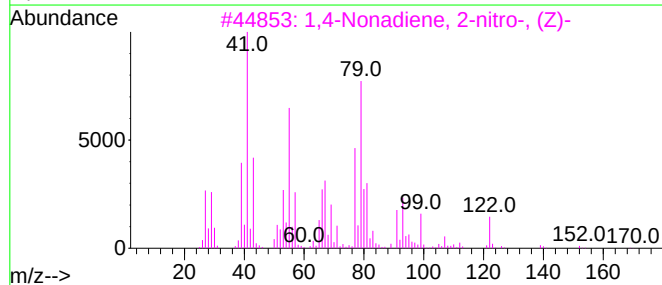
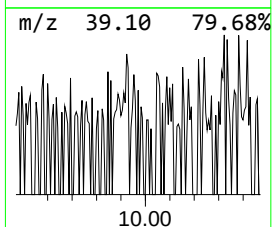
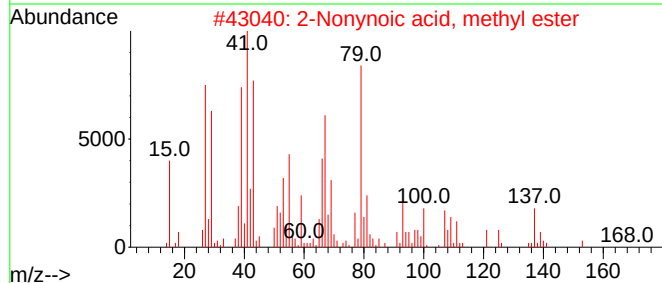
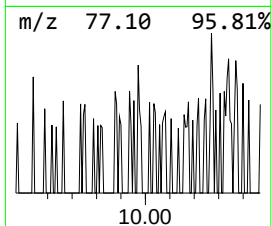
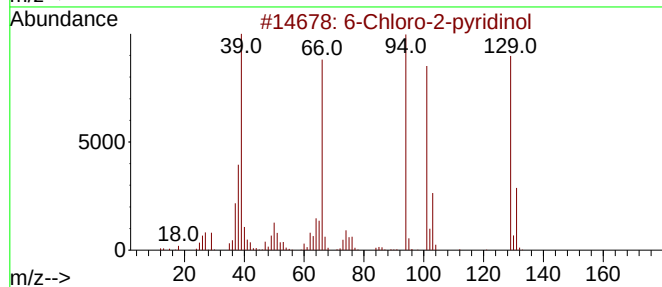
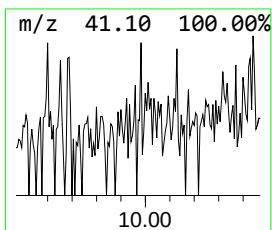
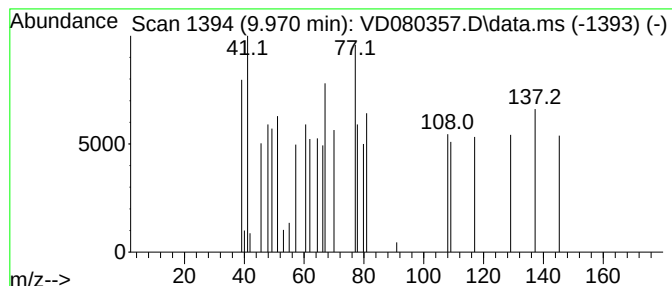
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown9.970 Concentration Rank 2

| R.T.  | EstConc     | Area | Relative to ISTD    | R.T.  |
|-------|-------------|------|---------------------|-------|
| 9.970 | 107.87 ug/l | 3769 | 1,4-Difluorobenzene | 8.788 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | 6-Chloro-2-pyridinol                | 129 | C5H4ClNO | 073018-09-4 | 25   |
| 2    |      | 2-Nonynoic acid, methyl ester       | 168 | C10H16O2 | 000111-80-8 | 17   |
| 3    |      | 1,4-Nonadiene, 2-nitro-, (Z)-       | 169 | C9H15NO2 | 080255-19-2 | 16   |
| 4    |      | [1,1'-Bicyclopentyl]-2-ol           | 154 | C10H18O  | 004884-25-7 | 12   |
| 5    |      | N-Ethoxycarbonyl-7-azabicyclo(2,... | 167 | C9H13NO2 | 055258-01-0 | 12   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051525\  
Data File : VD080357.D  
Acq On : 15 May 2025 19:02  
Operator : RP/MD  
Sample : VIBLK  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |      |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|------|------|
|                  |       |         |       |          | #                     | RT    | Resp | Conc |
| unknown2.659     | 2.659 | 74.1    | ug/l  | 2070     | 1                     | 7.870 | 1397 | 50.0 |
| unknown4.259     | 4.259 | 73.4    | ug/l  | 2052     | 1                     | 7.870 | 1397 | 50.0 |
| unknown7.576     | 7.576 | 78.9    | ug/l  | 2204     | 1                     | 7.870 | 1397 | 50.0 |
| unknown9.970     | 9.970 | 107.9   | ug/l  | 3769     | 2                     | 8.788 | 1747 | 50.0 |