

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
 Data File : VD077949.D  
 Acq On : 18 Dec 2023 16:05  
 Operator : RP/MD  
 Sample : 05808-10  
 Misc : 5.32G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0B04

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\_D\Method\SFAMDLM112923SMA.M  
 Title : SFAM01.0

Signal : TIC: VD077949.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         | 1.693       | 15            | 18          | 19           | rVV      | 2464           | 2925          | 0.06%           | 0.011%        |
| 2         | 1.746       | 19            | 27          | 43           | rVB      | 1087353        | 1629081       | 31.61%          | 6.379%        |
| 3         | 2.017       | 71            | 73          | 75           | rBV      | 1063           | 1122          | 0.02%           | 0.004%        |
| 4         | 2.158       | 93            | 97          | 98           | rBV2     | 2362           | 3529          | 0.07%           | 0.014%        |
| 5         | 2.275       | 112           | 117         | 125          | rVB      | 205981         | 298604        | 5.79%           | 1.169%        |
| 6         | 2.423       | 138           | 142         | 151          | rVB      | 46886          | 74812         | 1.45%           | 0.293%        |
| 7         | 2.805       | 200           | 207         | 217          | rVB      | 166433         | 318009        | 6.17%           | 1.245%        |
| 8         | 3.217       | 275           | 277         | 279          | rVB      | 1235           | 856           | 0.02%           | 0.003%        |
| 9         | 3.534       | 329           | 331         | 334          | rVB4     | 1171           | 913           | 0.02%           | 0.004%        |
| 10        | 3.711       | 357           | 361         | 363          | rBV3     | 856            | 771           | 0.01%           | 0.003%        |
| 11        | 3.740       | 363           | 366         | 367          | rBV2     | 811            | 807           | 0.02%           | 0.003%        |
| 12        | 3.799       | 375           | 376         | 380          | rVB      | 987            | 766           | 0.01%           | 0.003%        |
| 13        | 3.917       | 387           | 396         | 407          | rVV2     | 145959         | 378983        | 7.35%           | 1.484%        |
| 14        | 4.022       | 408           | 414         | 425          | rVB      | 15800          | 37244         | 0.72%           | 0.146%        |
| 15        | 4.281       | 455           | 458         | 459          | rBV      | 1212           | 874           | 0.02%           | 0.003%        |
| 16        | 4.534       | 498           | 501         | 502          | rBV      | 1084           | 804           | 0.02%           | 0.003%        |
| 17        | 4.799       | 540           | 546         | 547          | rBV4     | 4874           | 6984          | 0.14%           | 0.027%        |
| 18        | 5.222       | 616           | 618         | 620          | rBV      | 1114           | 1011          | 0.02%           | 0.004%        |
| 19        | 5.387       | 644           | 646         | 649          | rVV3     | 857            | 863           | 0.02%           | 0.003%        |
| 20        | 5.575       | 677           | 678         | 680          | rVB2     | 1188           | 829           | 0.02%           | 0.003%        |
| 21        | 5.664       | 690           | 693         | 694          | rBV3     | 2186           | 2303          | 0.04%           | 0.009%        |
| 22        | 5.816       | 717           | 719         | 721          | rBV2     | 1203           | 1486          | 0.03%           | 0.006%        |
| 23        | 5.916       | 733           | 736         | 737          | rVV      | 982            | 925           | 0.02%           | 0.004%        |
| 24        | 6.211       | 784           | 786         | 788          | rBV2     | 1246           | 1204          | 0.02%           | 0.005%        |
| 25        | 6.240       | 790           | 791         | 794          | rVV2     | 750            | 750           | 0.01%           | 0.003%        |
| 26        | 6.281       | 794           | 798         | 800          | rVB      | 1047           | 1345          | 0.03%           | 0.005%        |
| 27        | 6.322       | 802           | 805         | 808          | rBV2     | 818            | 1350          | 0.03%           | 0.005%        |
| 28        | 6.981       | 910           | 917         | 927          | rBV2     | 31203          | 90835         | 1.76%           | 0.356%        |
| 29        | 7.152       | 944           | 946         | 948          | rBV2     | 1173           | 891           | 0.02%           | 0.003%        |
| 30        | 7.175       | 948           | 950         | 953          | rVV2     | 1322           | 925           | 0.02%           | 0.004%        |
| 31        | 7.199       | 953           | 954         | 955          | rVV      | 1691           | 767           | 0.01%           | 0.003%        |
| 32        | 7.216       | 955           | 957         | 960          | rVB3     | 1819           | 1510          | 0.03%           | 0.006%        |
| 33        | 7.240       | 960           | 961         | 964          | rBV3     | 1150           | 902           | 0.02%           | 0.004%        |
| 34        | 7.346       | 978           | 979         | 982          | rBV      | 1359           | 833           | 0.02%           | 0.003%        |
| 35        | 7.440       | 993           | 995         | 996          | rVV      | 1047           | 939           | 0.02%           | 0.004%        |
| 36        | 7.569       | 1007          | 1017        | 1029         | rBV2     | 202841         | 517514        | 10.04%          | 2.026%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
 Data File : VD077949.D  
 Acq On : 18 Dec 2023 16:05  
 Operator : RP/MD  
 Sample : 05808-10  
 Misc : 5.32G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0B04

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\_D\Method\SFAMDLM112923SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 7.693  | 1035 | 1038 | 1039 | rVB3 | 1250   | 917     | 0.02%  | 0.004% |
| 38 | 7.805  | 1055 | 1057 | 1059 | rBV2 | 805    | 754     | 0.01%  | 0.003% |
| 39 | 7.887  | 1069 | 1071 | 1074 | rVB2 | 1410   | 1205    | 0.02%  | 0.005% |
| 40 | 7.946  | 1080 | 1081 | 1084 | rBV  | 736    | 850     | 0.02%  | 0.003% |
| 41 | 8.122  | 1108 | 1111 | 1112 | rBV  | 1161   | 1093    | 0.02%  | 0.004% |
| 42 | 8.205  | 1115 | 1125 | 1139 | rVV2 | 399947 | 1193196 | 23.15% | 4.672% |
| 43 | 8.487  | 1167 | 1173 | 1179 | rBV6 | 5308   | 12023   | 0.23%  | 0.047% |
| 44 | 8.781  | 1213 | 1223 | 1234 | rBV  | 427197 | 876277  | 17.00% | 3.431% |
| 45 | 9.128  | 1281 | 1282 | 1285 | rVB2 | 1081   | 805     | 0.02%  | 0.003% |
| 46 | 9.210  | 1287 | 1296 | 1307 | rBV  | 266850 | 560409  | 10.87% | 2.194% |
| 47 | 9.352  | 1316 | 1320 | 1327 | rVB3 | 3179   | 5069    | 0.10%  | 0.020% |
| 48 | 9.399  | 1327 | 1328 | 1333 | rBV3 | 698    | 1029    | 0.02%  | 0.004% |
| 49 | 9.746  | 1385 | 1387 | 1390 | rBV2 | 797    | 862     | 0.02%  | 0.003% |
| 50 | 9.781  | 1390 | 1393 | 1394 | rBV  | 1171   | 739     | 0.01%  | 0.003% |
| 51 | 9.863  | 1405 | 1407 | 1409 | rBV2 | 894    | 1041    | 0.02%  | 0.004% |
| 52 | 9.981  | 1419 | 1427 | 1438 | rVB  | 154654 | 289515  | 5.62%  | 1.134% |
| 53 | 10.269 | 1468 | 1476 | 1487 | rBV  | 575873 | 1024764 | 19.88% | 4.013% |
| 54 | 10.440 | 1502 | 1505 | 1508 | rBV  | 1498   | 2445    | 0.05%  | 0.010% |
| 55 | 10.522 | 1512 | 1519 | 1527 | rVV  | 98949  | 181757  | 3.53%  | 0.712% |
| 56 | 10.593 | 1529 | 1531 | 1533 | rBV2 | 1631   | 1387    | 0.03%  | 0.005% |
| 57 | 10.663 | 1537 | 1543 | 1552 | rVB  | 80476  | 149173  | 2.89%  | 0.584% |
| 58 | 10.722 | 1552 | 1553 | 1558 | rVB2 | 1487   | 1110    | 0.02%  | 0.004% |
| 59 | 10.875 | 1571 | 1579 | 1587 | rBV  | 148345 | 259769  | 5.04%  | 1.017% |
| 60 | 11.022 | 1600 | 1604 | 1612 | rVB4 | 10989  | 17221   | 0.33%  | 0.067% |
| 61 | 11.581 | 1692 | 1699 | 1709 | rBV  | 666427 | 1136309 | 22.05% | 4.449% |
| 62 | 11.669 | 1712 | 1714 | 1719 | rVB4 | 2202   | 3039    | 0.06%  | 0.012% |
| 63 | 11.716 | 1719 | 1722 | 1724 | rBV  | 1053   | 1473    | 0.03%  | 0.006% |
| 64 | 11.963 | 1762 | 1764 | 1768 | rBV2 | 845    | 1030    | 0.02%  | 0.004% |
| 65 | 12.128 | 1790 | 1792 | 1794 | rVB2 | 1533   | 936     | 0.02%  | 0.004% |
| 66 | 12.193 | 1801 | 1803 | 1806 | rBV2 | 979    | 1188    | 0.02%  | 0.005% |
| 67 | 12.222 | 1806 | 1808 | 1809 | rVB  | 1277   | 742     | 0.01%  | 0.003% |
| 68 | 12.246 | 1809 | 1812 | 1813 | rBV  | 1256   | 1037    | 0.02%  | 0.004% |
| 69 | 12.298 | 1816 | 1821 | 1825 | rVB2 | 8564   | 12068   | 0.23%  | 0.047% |
| 70 | 12.381 | 1834 | 1835 | 1838 | rBV2 | 1225   | 1005    | 0.02%  | 0.004% |
| 71 | 12.416 | 1838 | 1841 | 1843 | rVB2 | 1226   | 1268    | 0.02%  | 0.005% |
| 72 | 12.534 | 1859 | 1861 | 1862 | rBV2 | 1258   | 895     | 0.02%  | 0.004% |
| 73 | 12.581 | 1863 | 1869 | 1874 | rVV2 | 75764  | 126295  | 2.45%  | 0.495% |
| 74 | 12.651 | 1874 | 1881 | 1889 | rVB  | 231477 | 383462  | 7.44%  | 1.501% |
| 75 | 12.716 | 1889 | 1892 | 1893 | rVB2 | 1268   | 1158    | 0.02%  | 0.005% |
| 76 | 12.740 | 1893 | 1896 | 1898 | rBV2 | 1029   | 1252    | 0.02%  | 0.005% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
 Data File : VD077949.D  
 Acq On : 18 Dec 2023 16:05  
 Operator : RP/MD  
 Sample : 05808-10  
 Misc : 5.32G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0B04

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\_D\Method\SFAMDLM112923SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 77  | 13.234 | 1975 | 1980 | 1987 | rBV3 | 6227    | 10677   | 0.21%   | 0.042%  |
| 78  | 13.363 | 1997 | 2002 | 2007 | rVB6 | 8292    | 13610   | 0.26%   | 0.053%  |
| 79  | 13.457 | 2011 | 2018 | 2024 | rBV  | 735359  | 1206785 | 23.41%  | 4.725%  |
| 80  | 13.534 | 2024 | 2031 | 2040 | rVB2 | 955129  | 2324331 | 45.10%  | 9.101%  |
| 81  | 13.675 | 2053 | 2055 | 2056 | rVB  | 1462    | 741     | 0.01%   | 0.003%  |
| 82  | 13.722 | 2061 | 2063 | 2066 | rBV4 | 1722    | 1962    | 0.04%   | 0.008%  |
| 83  | 13.834 | 2072 | 2082 | 2093 | rBV2 | 2729742 | 4930057 | 95.65%  | 19.304% |
| 84  | 14.051 | 2113 | 2119 | 2126 | rVB2 | 37667   | 56589   | 1.10%   | 0.222%  |
| 85  | 14.298 | 2155 | 2161 | 2165 | rBV4 | 7678    | 13193   | 0.26%   | 0.052%  |
| 86  | 14.428 | 2180 | 2183 | 2184 | rBV2 | 1508    | 1421    | 0.03%   | 0.006%  |
| 87  | 14.557 | 2199 | 2205 | 2208 | rBV5 | 12339   | 23100   | 0.45%   | 0.090%  |
| 88  | 14.669 | 2222 | 2224 | 2225 | rBV  | 1096    | 1053    | 0.02%   | 0.004%  |
| 89  | 14.710 | 2225 | 2231 | 2238 | rVV3 | 25826   | 46789   | 0.91%   | 0.183%  |
| 90  | 14.792 | 2243 | 2245 | 2246 | rBV  | 1844    | 1053    | 0.02%   | 0.004%  |
| 91  | 14.881 | 2257 | 2260 | 2266 | rVB5 | 3296    | 4933    | 0.10%   | 0.019%  |
| 92  | 14.963 | 2272 | 2274 | 2276 | rBV2 | 1367    | 782     | 0.02%   | 0.003%  |
| 93  | 15.104 | 2290 | 2298 | 2311 | rBV  | 3196970 | 5154128 | 100.00% | 20.181% |
| 94  | 15.522 | 2359 | 2369 | 2378 | rVB  | 1092879 | 1950825 | 37.85%  | 7.639%  |
| 95  | 15.622 | 2384 | 2386 | 2387 | rBV  | 1912    | 1245    | 0.02%   | 0.005%  |
| 96  | 15.792 | 2412 | 2415 | 2416 | rBV3 | 1157    | 1091    | 0.02%   | 0.004%  |
| 97  | 16.028 | 2452 | 2455 | 2456 | rBV3 | 3375    | 2941    | 0.06%   | 0.012%  |
| 98  | 16.275 | 2495 | 2497 | 2498 | rBV  | 1802    | 1028    | 0.02%   | 0.004%  |
| 99  | 16.310 | 2501 | 2503 | 2504 | rVV  | 1950    | 1497    | 0.03%   | 0.006%  |
| 100 | 16.557 | 2535 | 2545 | 2555 | rVB5 | 50141   | 148313  | 2.88%   | 0.581%  |

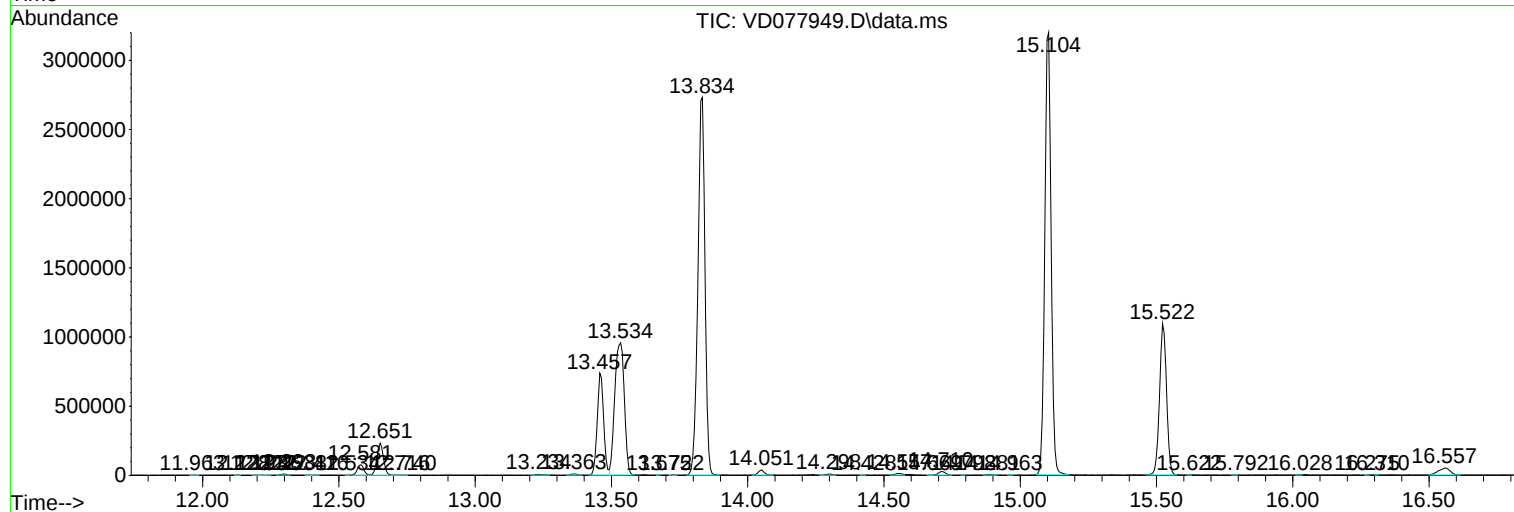
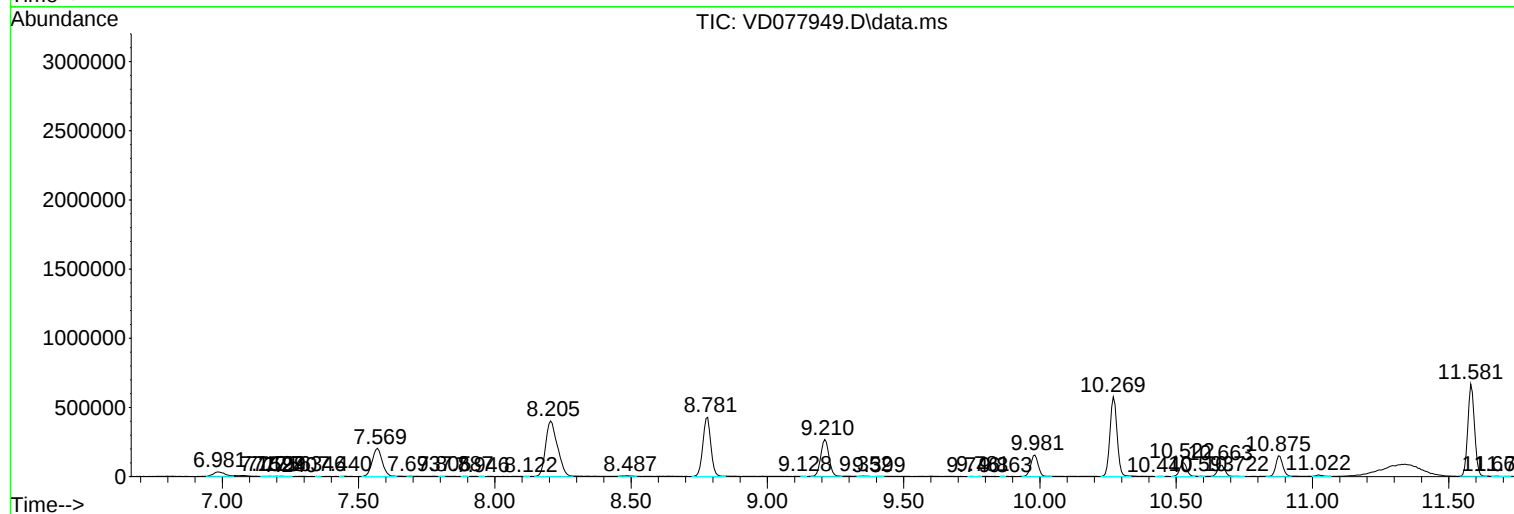
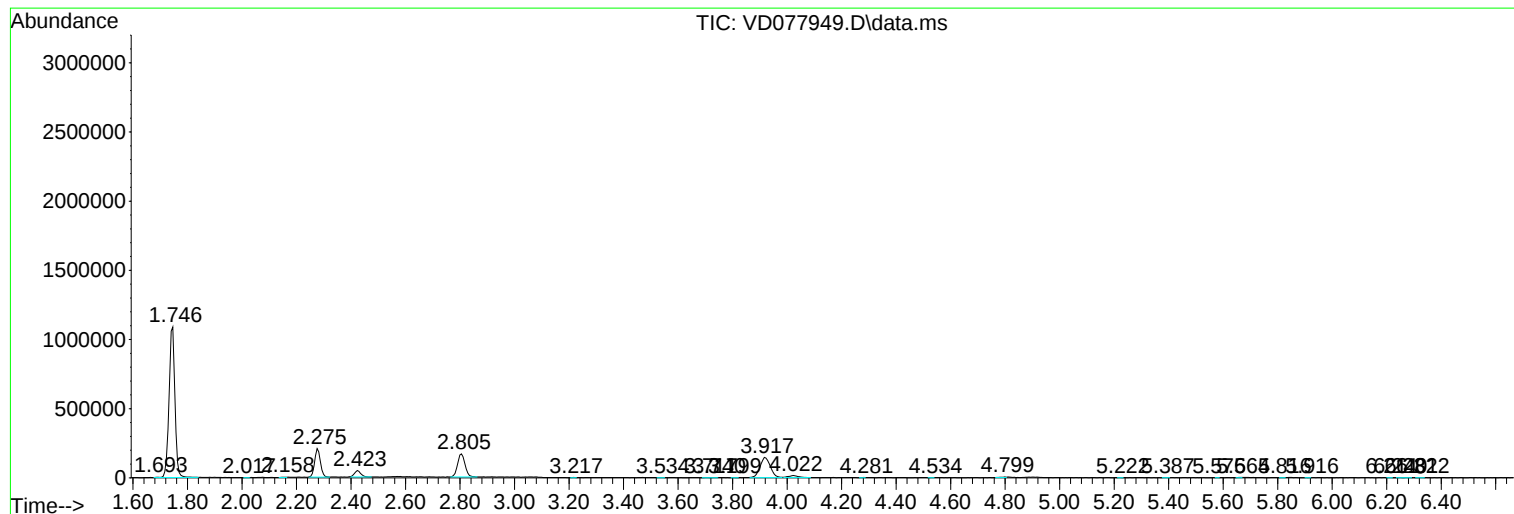
Sum of corrected areas: 25538977

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
Data File : VD077949.D  
Acq On : 18 Dec 2023 16:05  
Operator : RP/MD  
Sample : 05808-10  
Misc : 5.32G/10ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
C0B04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
Data File : VD077949.D  
Acq On : 18 Dec 2023 16:05  
Operator : RP/MD  
Sample : 05808-10  
Misc : 5.32G/10ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
C0B04

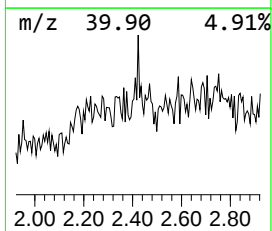
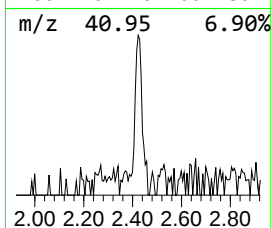
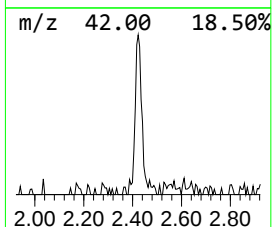
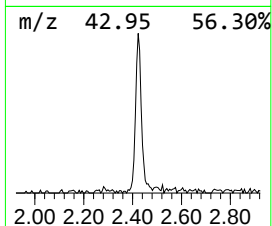
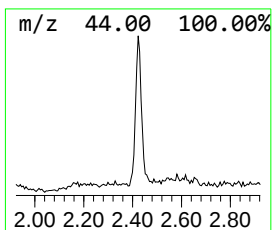
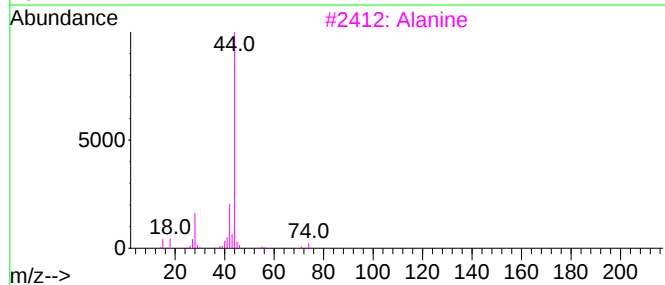
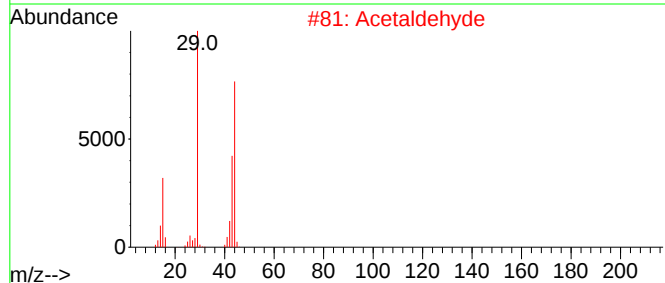
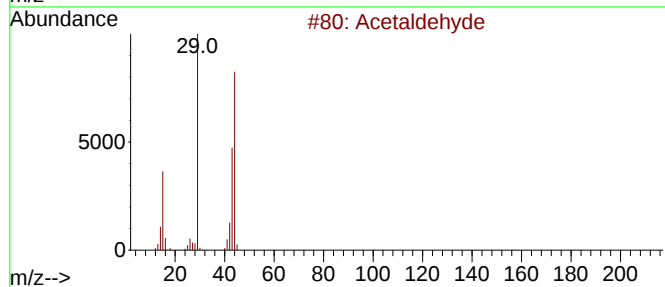
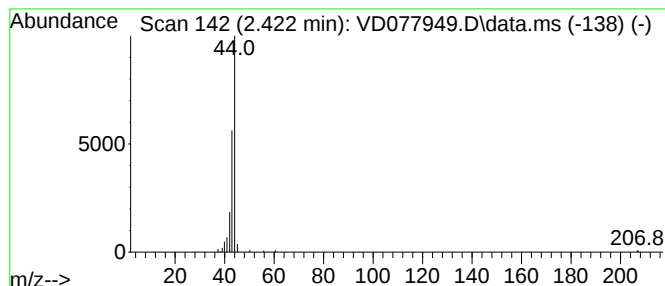
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Acetaldehyde Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.422 | 2.13 ug/L | 74812 | 1,4-Difluorobenzene | 8.781 |

| Hit# | of | 5 | Tentative ID               | MW | MolForm | CAS#         | Qual |
|------|----|---|----------------------------|----|---------|--------------|------|
| 1    |    |   | Acetaldehyde               | 44 | C2H4O   | 000075-07-0  | 78   |
| 2    |    |   | Acetaldehyde               | 44 | C2H4O   | 000075-07-0  | 78   |
| 3    |    |   | Alanine                    | 89 | C3H7NO2 | 000056-41-7  | 9    |
| 4    |    |   | 1-(Methylamino)propan-2-ol | 89 | C4H11NO | 1000486-79-1 | 9    |
| 5    |    |   | Propane                    | 44 | C3H8    | 000074-98-6  | 5    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121823\  
Data File : VD077949.D  
Acq On : 18 Dec 2023 16:05  
Operator : RP/MD  
Sample : 05808-10  
Misc : 5.32G/10ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
C0B04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.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 |
| Acetaldehyde     | 2.422 | 2.1     | ug/L  | 74812    | 1                     | 8.781 | 876277 | 25.0 |