

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
 Data File : VW022621.D  
 Acq On : 26 Apr 2022 13:31  
 Operator : SY/VA  
 Sample : N2562-08  
 Misc : 5.82g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW469

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\SFAMWLM040722SMA.M  
 Title : SFAM01.0

Signal : TIC: VW022621.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         | 1.965       | 7             | 10          | 17           | rVB4     | 5653           | 9380          | 0.81%           | 0.102%        |
| 2         | 2.178       | 40            | 45          | 49           | rBV2     | 8684           | 13372         | 1.16%           | 0.146%        |
| 3         | 2.355       | 68            | 74          | 81           | rVB      | 117961         | 187784        | 16.24%          | 2.045%        |
| 4         | 2.636       | 116           | 120         | 128          | rBV4     | 9657           | 24308         | 2.10%           | 0.265%        |
| 5         | 2.885       | 155           | 161         | 175          | rVB      | 61778          | 132400        | 11.45%          | 1.442%        |
| 6         | 3.026       | 178           | 184         | 195          | rVB      | 46610          | 104819        | 9.06%           | 1.141%        |
| 7         | 3.312       | 228           | 231         | 235          | rBV5     | 1346           | 1966          | 0.17%           | 0.021%        |
| 8         | 3.385       | 235           | 243         | 253          | rVB2     | 25924          | 64133         | 5.55%           | 0.698%        |
| 9         | 3.605       | 277           | 279         | 283          | rVB5     | 1403           | 1567          | 0.14%           | 0.017%        |
| 10        | 3.849       | 315           | 319         | 322          | rBV4     | 1458           | 1741          | 0.15%           | 0.019%        |
| 11        | 4.019       | 333           | 347         | 360          | rBV      | 105709         | 308156        | 26.65%          | 3.356%        |
| 12        | 4.373       | 399           | 405         | 413          | rVV2     | 4454           | 12973         | 1.12%           | 0.141%        |
| 13        | 4.641       | 445           | 449         | 452          | rVB5     | 1292           | 1568          | 0.14%           | 0.017%        |
| 14        | 4.922       | 482           | 495         | 496          | rBV3     | 14110          | 33066         | 2.86%           | 0.360%        |
| 15        | 5.105       | 521           | 525         | 529          | rBV7     | 1390           | 2746          | 0.24%           | 0.030%        |
| 16        | 5.135       | 529           | 530         | 535          | rVB4     | 1127           | 1486          | 0.13%           | 0.016%        |
| 17        | 5.428       | 570           | 578         | 579          | rBV3     | 10707          | 17787         | 1.54%           | 0.194%        |
| 18        | 5.556       | 596           | 599         | 603          | rBV5     | 1209           | 1942          | 0.17%           | 0.021%        |
| 19        | 5.800       | 636           | 639         | 643          | rVB6     | 1095           | 1603          | 0.14%           | 0.017%        |
| 20        | 5.940       | 653           | 662         | 677          | rVB2     | 39279          | 118553        | 10.25%          | 1.291%        |
| 21        | 6.050       | 677           | 680         | 682          | rBV3     | 1430           | 1676          | 0.14%           | 0.018%        |
| 22        | 6.519       | 755           | 757         | 762          | rVB4     | 1125           | 1535          | 0.13%           | 0.017%        |
| 23        | 6.879       | 807           | 816         | 819          | rBV9     | 1768           | 4542          | 0.39%           | 0.049%        |
| 24        | 6.903       | 819           | 820         | 823          | rBV3     | 1411           | 1518          | 0.13%           | 0.017%        |
| 25        | 6.982       | 823           | 833         | 842          | rBV2     | 24840          | 69795         | 6.03%           | 0.760%        |
| 26        | 7.074       | 842           | 848         | 857          | rBV      | 39288          | 110115        | 9.52%           | 1.199%        |
| 27        | 7.415       | 900           | 904         | 906          | rBV4     | 1050           | 1452          | 0.13%           | 0.016%        |
| 28        | 7.647       | 931           | 942         | 954          | rBV      | 196206         | 485611        | 41.99%          | 5.288%        |
| 29        | 7.952       | 978           | 992         | 1000         | rVV4     | 24293          | 90180         | 7.80%           | 0.982%        |
| 30        | 8.037       | 1000          | 1006        | 1013         | rVB7     | 6114           | 13426         | 1.16%           | 0.146%        |
| 31        | 8.153       | 1018          | 1025        | 1033         | rBV2     | 18288          | 40478         | 3.50%           | 0.441%        |
| 32        | 8.214       | 1033          | 1035        | 1036         | rVV2     | 2012           | 2007          | 0.17%           | 0.022%        |
| 33        | 8.275       | 1036          | 1045        | 1062         | rVV3     | 322972         | 1156524       | 100.00%         | 12.595%       |
| 34        | 8.433       | 1066          | 1071        | 1078         | rVV5     | 11636          | 31824         | 2.75%           | 0.347%        |
| 35        | 8.506       | 1078          | 1083        | 1088         | rVV7     | 9385           | 24332         | 2.10%           | 0.265%        |
| 36        | 8.567       | 1088          | 1093        | 1106         | rVB7     | 13627          | 39976         | 3.46%           | 0.435%        |

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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\SFAMWLM040722SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 8.695  | 1106 | 1114 | 1124 | rBV  | 49417  | 99260  | 8.58%  | 1.081% |
| 38 | 8.842  | 1127 | 1138 | 1148 | rBV  | 351933 | 697850 | 60.34% | 7.600% |
| 39 | 9.079  | 1170 | 1177 | 1186 | rVB  | 4108   | 9891   | 0.86%  | 0.108% |
| 40 | 9.275  | 1201 | 1209 | 1215 | rBV  | 231511 | 479863 | 41.49% | 5.226% |
| 41 | 9.335  | 1215 | 1219 | 1226 | rVB2 | 54907  | 104153 | 9.01%  | 1.134% |
| 42 | 9.512  | 1242 | 1248 | 1256 | rBV3 | 11495  | 24082  | 2.08%  | 0.262% |
| 43 | 9.604  | 1258 | 1263 | 1270 | rVB3 | 6143   | 12902  | 1.12%  | 0.141% |
| 44 | 9.665  | 1270 | 1273 | 1275 | rBV4 | 1183   | 1472   | 0.13%  | 0.016% |
| 45 | 9.750  | 1282 | 1287 | 1293 | rBV7 | 6648   | 14754  | 1.28%  | 0.161% |
| 46 | 9.890  | 1306 | 1310 | 1315 | rVV5 | 5510   | 11398  | 0.99%  | 0.124% |
| 47 | 9.957  | 1315 | 1321 | 1328 | rVV  | 16205  | 37720  | 3.26%  | 0.411% |
| 48 | 10.037 | 1328 | 1334 | 1340 | rVV2 | 100725 | 186941 | 16.16% | 2.036% |
| 49 | 10.098 | 1340 | 1344 | 1355 | rVB7 | 12340  | 32138  | 2.78%  | 0.350% |
| 50 | 10.250 | 1364 | 1369 | 1372 | rVB7 | 2129   | 3231   | 0.28%  | 0.035% |
| 51 | 10.323 | 1372 | 1381 | 1386 | rBV  | 375540 | 665320 | 57.53% | 7.245% |
| 52 | 10.384 | 1386 | 1391 | 1398 | rVV  | 473359 | 833251 | 72.05% | 9.074% |
| 53 | 10.445 | 1398 | 1401 | 1404 | rVV4 | 5331   | 8276   | 0.72%  | 0.090% |
| 54 | 10.500 | 1404 | 1410 | 1416 | rVB2 | 44249  | 85427  | 7.39%  | 0.930% |
| 55 | 10.579 | 1416 | 1423 | 1432 | rBV  | 58508  | 105489 | 9.12%  | 1.149% |
| 56 | 10.665 | 1432 | 1437 | 1439 | rBV4 | 7286   | 11313  | 0.98%  | 0.123% |
| 57 | 10.762 | 1447 | 1453 | 1457 | rBV6 | 4157   | 6271   | 0.54%  | 0.068% |
| 58 | 10.841 | 1462 | 1466 | 1473 | rBV7 | 2666   | 5470   | 0.47%  | 0.060% |
| 59 | 10.927 | 1473 | 1480 | 1489 | rBV  | 148074 | 263557 | 22.79% | 2.870% |
| 60 | 11.103 | 1506 | 1509 | 1514 | rVB6 | 5829   | 9083   | 0.79%  | 0.099% |
| 61 | 11.177 | 1516 | 1521 | 1526 | rVV  | 15921  | 26898  | 2.33%  | 0.293% |
| 62 | 11.225 | 1527 | 1529 | 1536 | rVB4 | 6403   | 10644  | 0.92%  | 0.116% |
| 63 | 11.329 | 1541 | 1546 | 1551 | rBV5 | 6020   | 10365  | 0.90%  | 0.113% |
| 64 | 11.414 | 1554 | 1560 | 1568 | rVB6 | 8344   | 22787  | 1.97%  | 0.248% |
| 65 | 11.512 | 1571 | 1576 | 1581 | rBV2 | 6613   | 12077  | 1.04%  | 0.132% |
| 66 | 11.628 | 1588 | 1595 | 1605 | rBV  | 335319 | 568001 | 49.11% | 6.186% |
| 67 | 11.725 | 1605 | 1611 | 1619 | rBV  | 120825 | 204208 | 17.66% | 2.224% |
| 68 | 11.835 | 1619 | 1629 | 1638 | rBV  | 138844 | 267641 | 23.14% | 2.915% |
| 69 | 11.975 | 1648 | 1652 | 1656 | rBV5 | 2689   | 3482   | 0.30%  | 0.038% |
| 70 | 12.164 | 1672 | 1683 | 1689 | rBV  | 52484  | 98168  | 8.49%  | 1.069% |
| 71 | 12.292 | 1701 | 1704 | 1708 | rBV6 | 2091   | 4515   | 0.39%  | 0.049% |
| 72 | 12.359 | 1708 | 1715 | 1723 | rVV9 | 10125  | 31180  | 2.70%  | 0.340% |
| 73 | 12.463 | 1727 | 1732 | 1739 | rVV2 | 15572  | 26212  | 2.27%  | 0.285% |
| 74 | 12.689 | 1763 | 1769 | 1777 | rVV  | 195263 | 327777 | 28.34% | 3.570% |
| 75 | 12.756 | 1777 | 1780 | 1781 | rVV3 | 3148   | 3993   | 0.35%  | 0.043% |
| 76 | 12.798 | 1783 | 1787 | 1792 | rVB  | 14384  | 24633  | 2.13%  | 0.268% |

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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\SFAMWLM040722SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.865 | 1792 | 1798 | 1801 | rBV  | 17993  | 27848  | 2.41%  | 0.303% |
| 78  | 12.932 | 1805 | 1809 | 1819 | rVB7 | 18108  | 40197  | 3.48%  | 0.438% |
| 79  | 13.097 | 1829 | 1836 | 1843 | rVB2 | 10313  | 20910  | 1.81%  | 0.228% |
| 80  | 13.195 | 1843 | 1852 | 1855 | rBV5 | 5270   | 14829  | 1.28%  | 0.161% |
| 81  | 13.249 | 1855 | 1861 | 1866 | rBV  | 33553  | 52622  | 4.55%  | 0.573% |
| 82  | 13.408 | 1879 | 1887 | 1890 | rBV8 | 5008   | 13594  | 1.18%  | 0.148% |
| 83  | 13.554 | 1905 | 1911 | 1922 | rBV  | 144702 | 253860 | 21.95% | 2.765% |
| 84  | 13.755 | 1939 | 1944 | 1949 | rBV8 | 4815   | 9639   | 0.83%  | 0.105% |
| 85  | 13.853 | 1952 | 1960 | 1968 | rVB  | 126979 | 224675 | 19.43% | 2.447% |
| 86  | 14.005 | 1981 | 1985 | 1988 | rBV5 | 3088   | 5526   | 0.48%  | 0.060% |
| 87  | 14.200 | 2014 | 2017 | 2023 | rVB8 | 3747   | 6662   | 0.58%  | 0.073% |
| 88  | 14.249 | 2023 | 2025 | 2028 | rBV4 | 1601   | 2135   | 0.18%  | 0.023% |
| 89  | 14.329 | 2035 | 2038 | 2043 | rVB7 | 4194   | 6682   | 0.58%  | 0.073% |
| 90  | 14.414 | 2049 | 2052 | 2056 | rVB5 | 3680   | 5014   | 0.43%  | 0.055% |
| 91  | 14.627 | 2084 | 2087 | 2092 | rVB6 | 1364   | 2177   | 0.19%  | 0.024% |
| 92  | 14.798 | 2110 | 2115 | 2122 | rVB8 | 3870   | 9875   | 0.85%  | 0.108% |
| 93  | 14.993 | 2145 | 2147 | 2152 | rBV6 | 1271   | 1891   | 0.16%  | 0.021% |
| 94  | 15.725 | 2264 | 2267 | 2272 | rBV7 | 2211   | 3805   | 0.33%  | 0.041% |
| 95  | 15.792 | 2276 | 2278 | 2283 | rVB5 | 2947   | 3263   | 0.28%  | 0.036% |
| 96  | 15.938 | 2300 | 2302 | 2305 | rBV3 | 1694   | 2270   | 0.20%  | 0.025% |
| 97  | 16.170 | 2338 | 2340 | 2343 | rVV4 | 2063   | 1961   | 0.17%  | 0.021% |
| 98  | 16.426 | 2380 | 2382 | 2383 | rBV2 | 1934   | 1542   | 0.13%  | 0.017% |
| 99  | 16.481 | 2390 | 2391 | 2395 | rVB4 | 1648   | 1569   | 0.14%  | 0.017% |
| 100 | 16.743 | 2432 | 2434 | 2437 | rVB4 | 2081   | 1995   | 0.17%  | 0.022% |

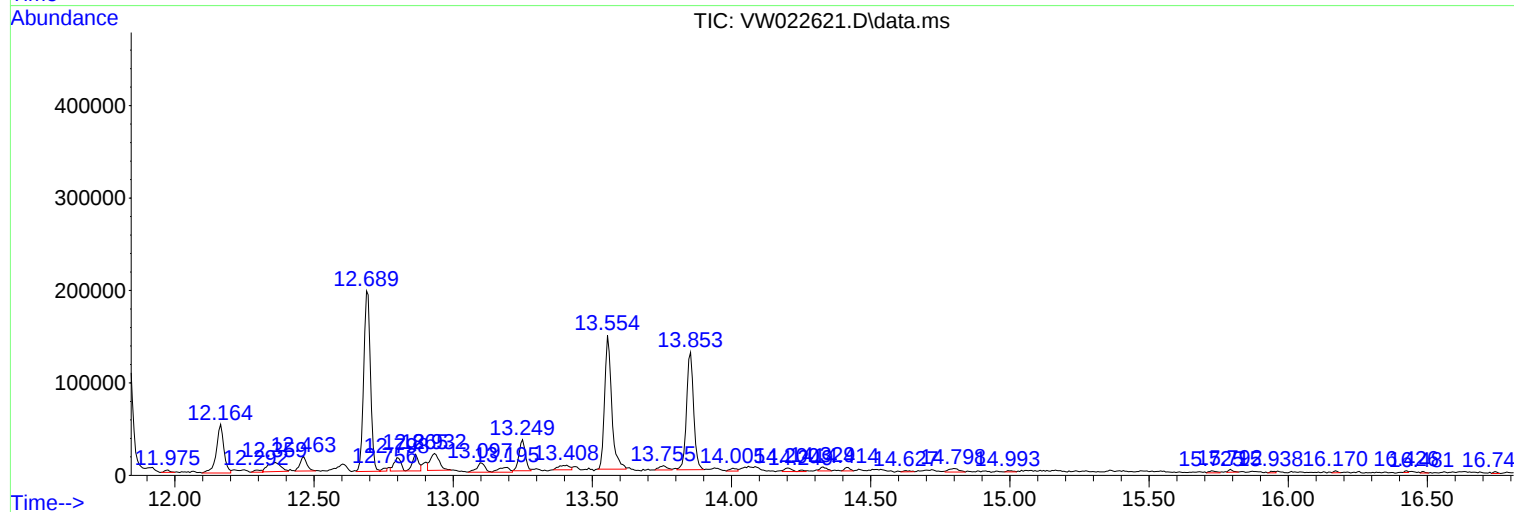
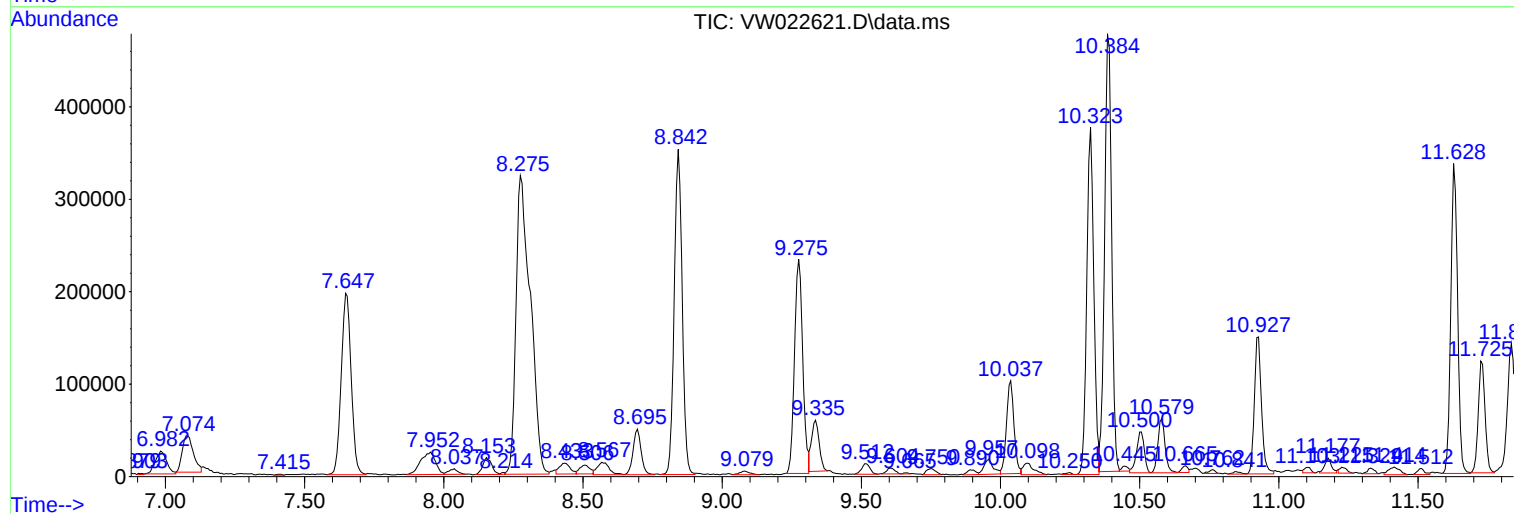
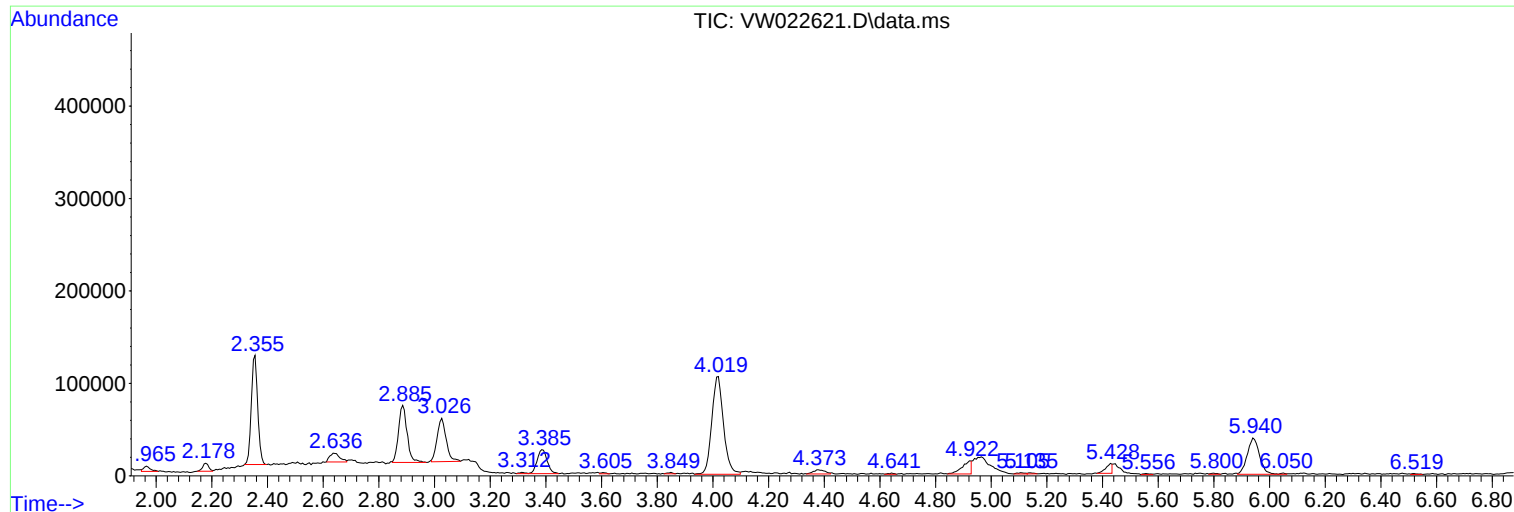
Sum of corrected areas: 9182575

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

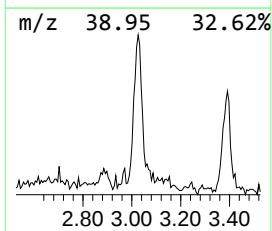
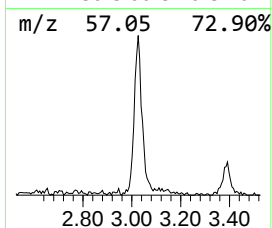
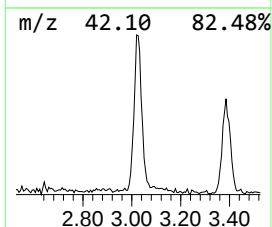
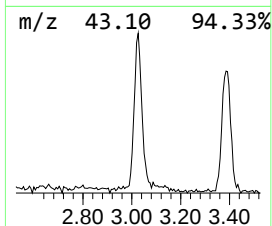
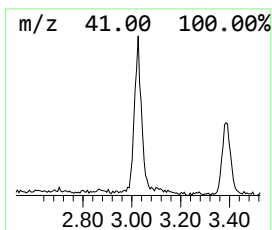
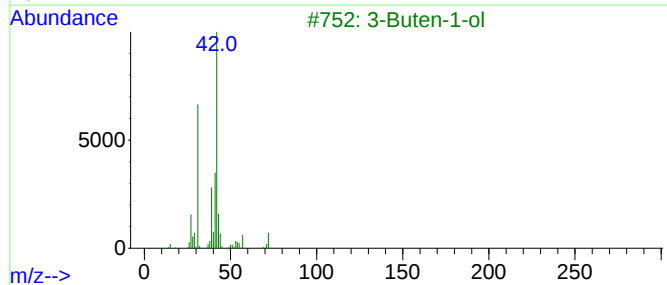
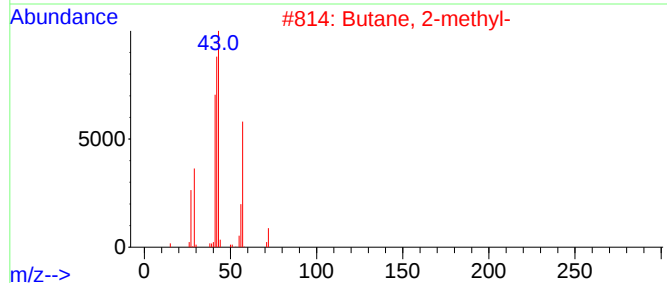
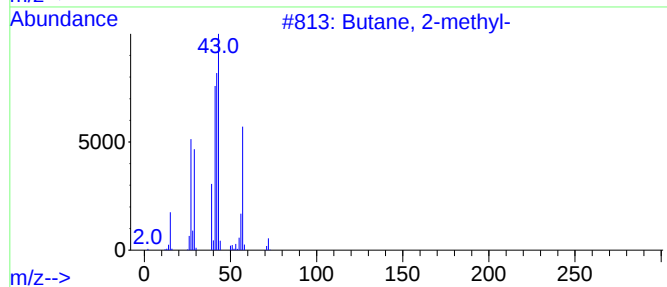
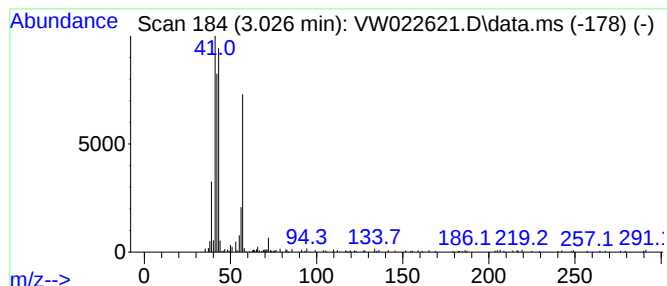
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.026 | 3.76 ug/L | 104819 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm    | CAS#        | Qual |
|------|------|---------------------------------|-----|------------|-------------|------|
| 1    |      | Butane, 2-methyl-               | 72  | C5H12      | 000078-78-4 | 86   |
| 2    |      | Butane, 2-methyl-               | 72  | C5H12      | 000078-78-4 | 78   |
| 3    |      | 3-Buten-1-ol                    | 72  | C4H8O      | 000627-27-0 | 47   |
| 4    |      | Germacyclohexane, 1,1-dichloro- | 214 | C5H10Cl2Ge | 056438-28-9 | 43   |
| 5    |      | Butane, 2,3-dimethyl-           | 86  | C6H14      | 000079-29-8 | 42   |



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Quant Title : SFAM01.0

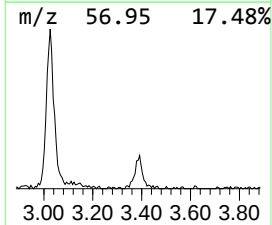
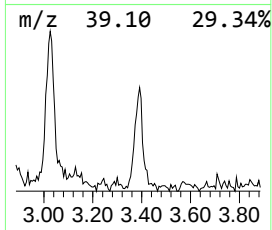
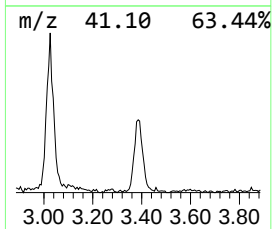
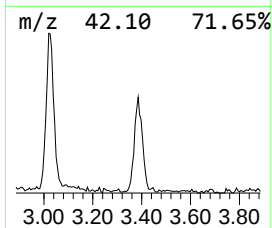
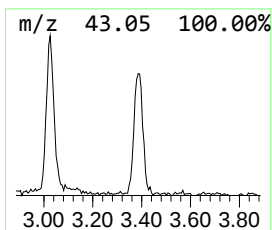
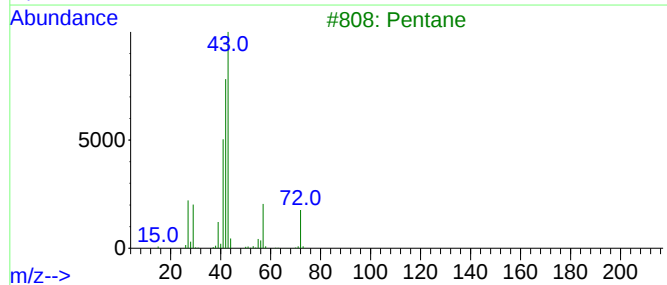
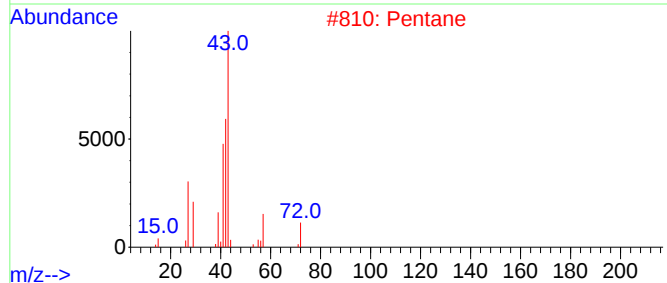
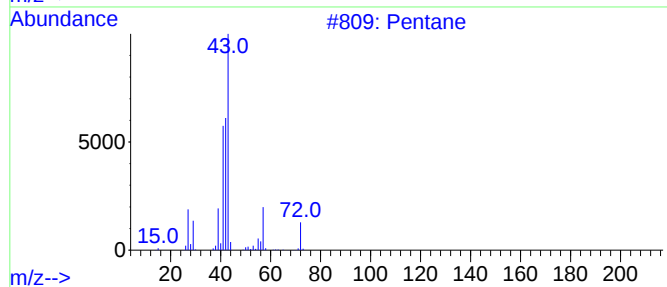
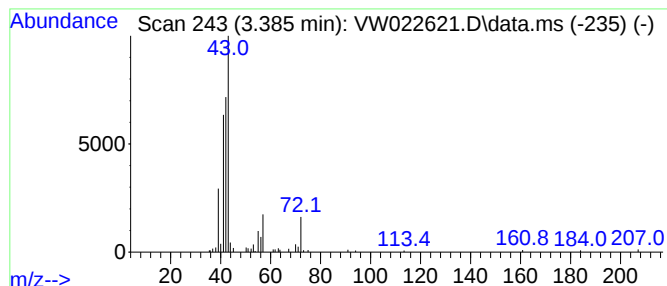
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.385 | 2.30 ug/L | 64133 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 74   |
| 2    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 72   |
| 3    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 72   |
| 4    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 64   |
| 5    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

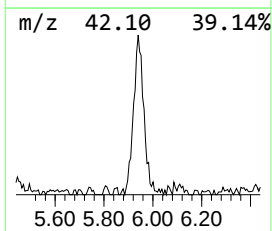
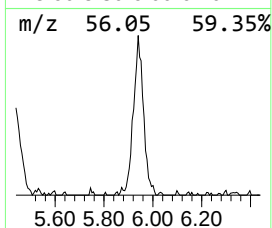
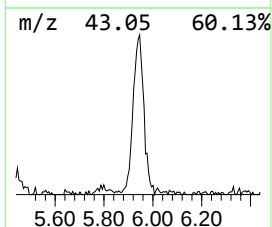
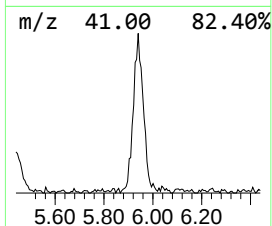
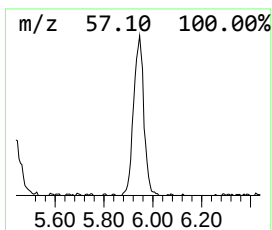
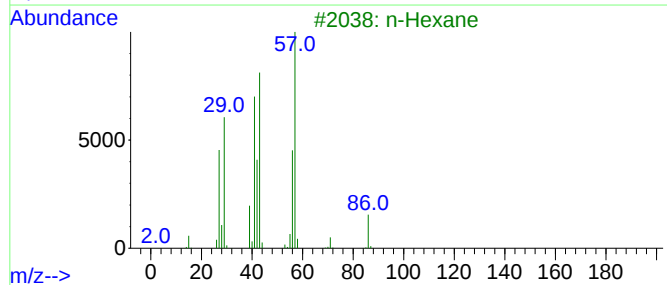
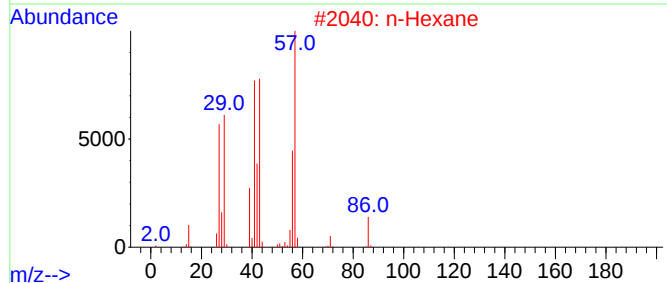
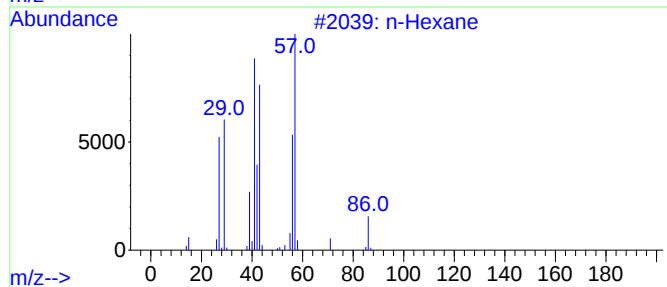
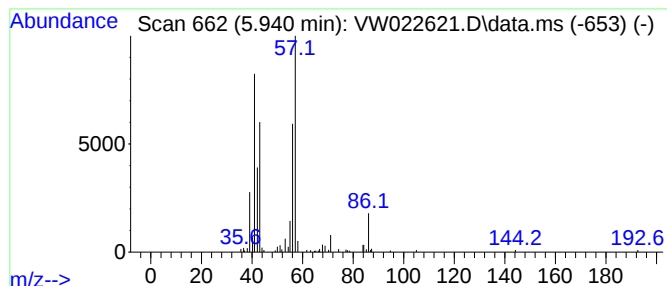
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Quant Title : SFAM01.0

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

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.      | EstConc              | Area   | Relative to ISTD    | R.T.         |      |
|-----------|----------------------|--------|---------------------|--------------|------|
| 5.940     | 4.25 ug/L            | 118553 | 1,4-Difluorobenzene | 8.842        |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm             | CAS#         | Qual |
| 1         | n-Hexane             | 86     | C6H14               | 000110-54-3  | 87   |
| 2         | n-Hexane             | 86     | C6H14               | 000110-54-3  | 86   |
| 3         | n-Hexane             | 86     | C6H14               | 000110-54-3  | 78   |
| 4         | 2-Ethyl-oxetane      | 86     | C5H10O              | 1010386-40-2 | 64   |
| 5         | 1-Pentene, 4-methyl- | 84     | C6H12               | 000691-37-2  | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

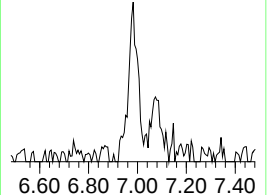
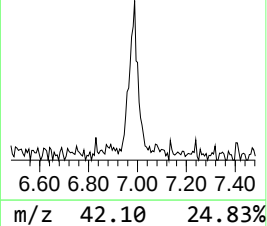
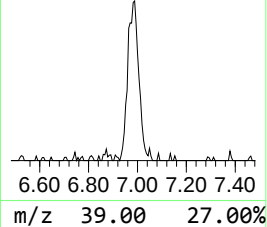
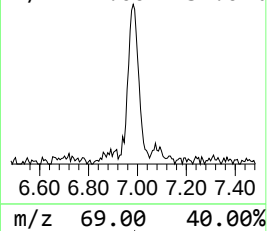
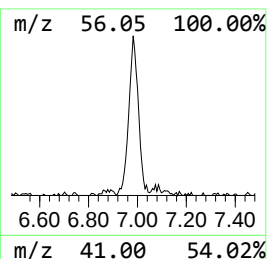
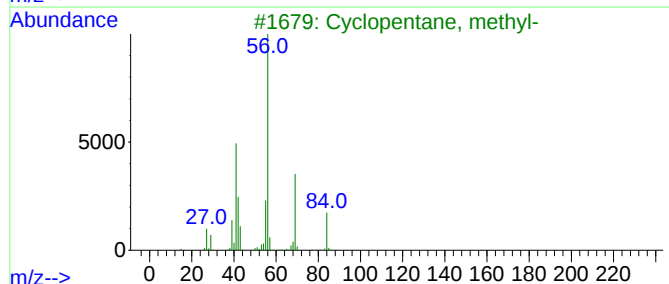
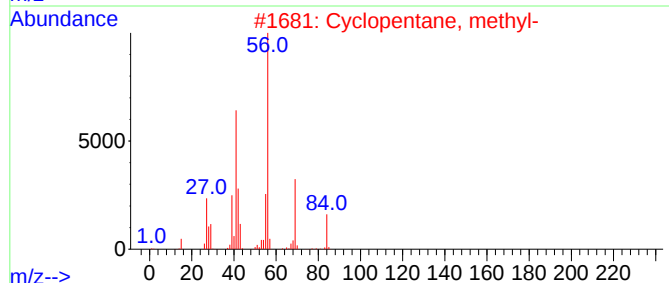
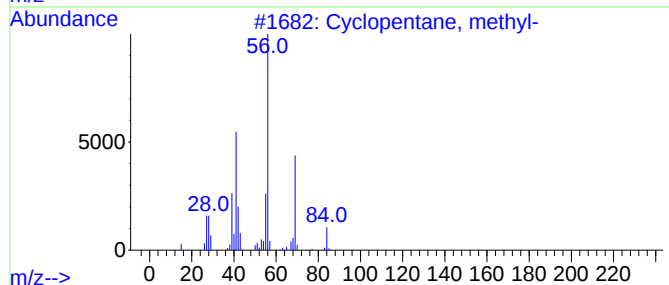
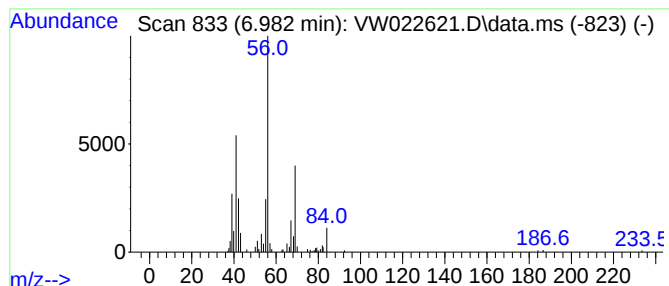
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Quant Title : SFAM01.0

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

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Peak Number 4 (DEL) Alkane: Cyclic6.982 Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.982 | 2.50 ug/L | 69795 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 87   |
| 2    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 80   |
| 3    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 72   |
| 4    |    |   | 1-Pentene, 2-methyl-  | 84 | C6H12   | 000763-29-1 | 64   |
| 5    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

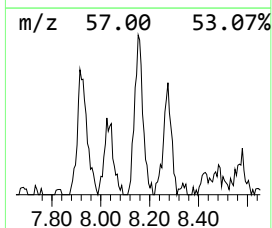
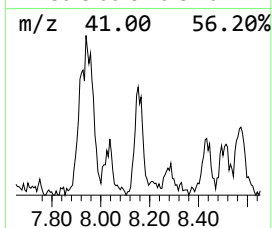
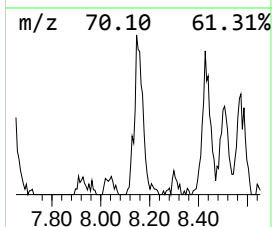
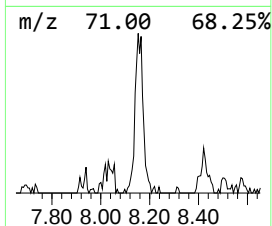
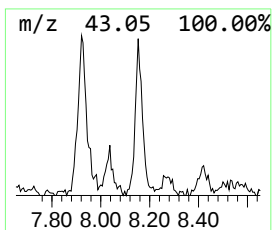
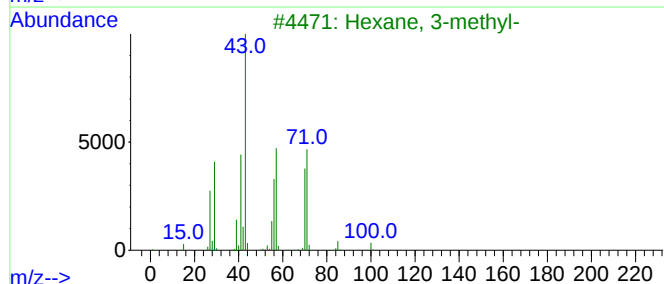
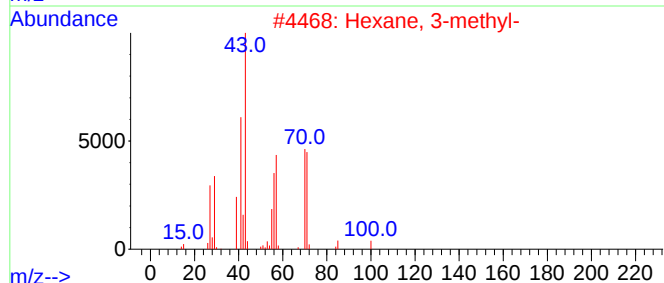
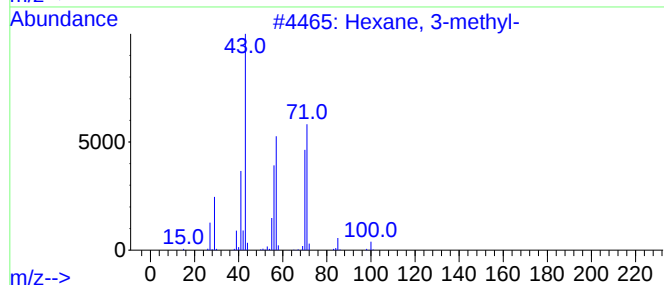
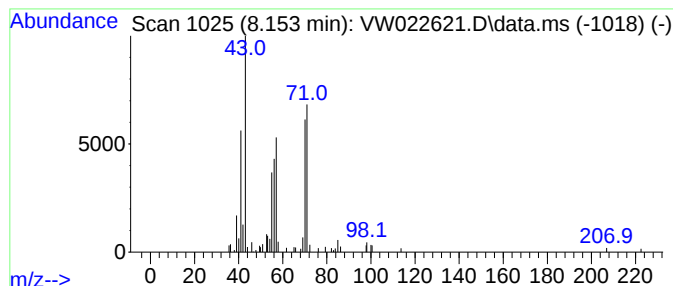
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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.153 | 1.45 ug/L | 40478 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of                         | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|----------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Hexane, 3-methyl-          |   |              | 100 | C7H16    | 000589-34-4  | 90   |
| 2    | Hexane, 3-methyl-          |   |              | 100 | C7H16    | 000589-34-4  | 86   |
| 3    | Hexane, 3-methyl-          |   |              | 100 | C7H16    | 000589-34-4  | 68   |
| 4    | Tetrahydrogeranyl butyrate |   |              | 228 | C14H28O2 | 1000428-75-4 | 64   |
| 5    | Hexane, 3-ethyl-4-methyl-  |   |              | 128 | C9H20    | 003074-77-9  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

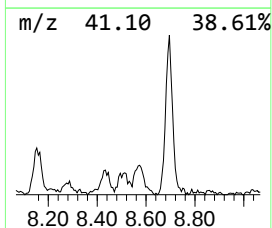
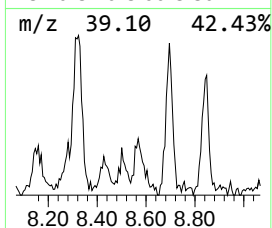
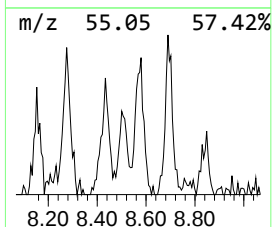
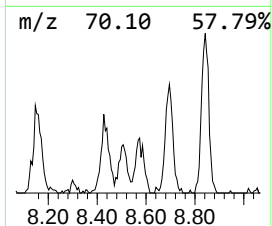
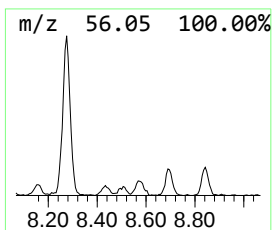
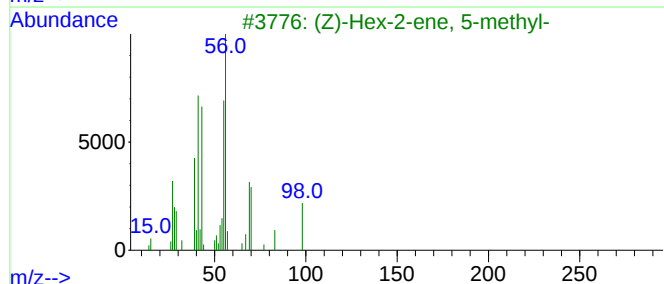
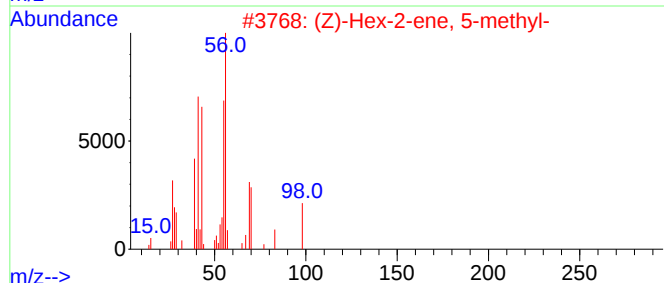
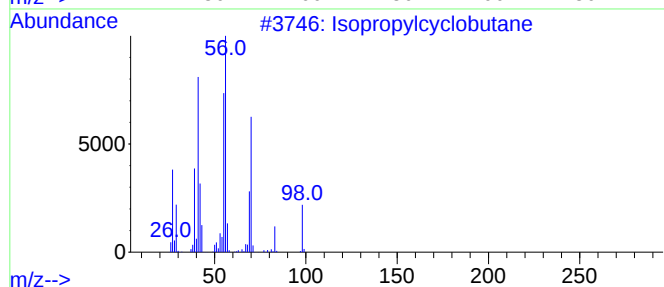
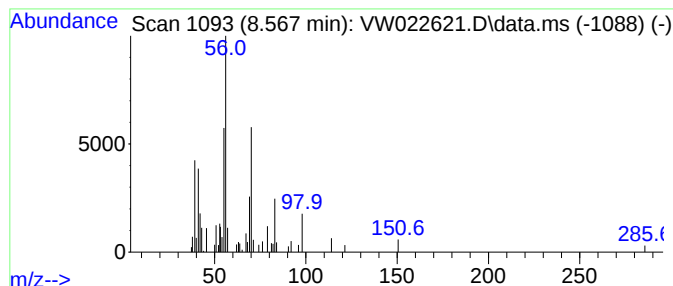
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Quant Title : SFAM01.0

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

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Peak Number 6 (DEL) Alkane: Cyclic8.567 Concentration Rank 13

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.567 | 1.43 ug/L | 39976 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|----|---------|-------------|------|
| 1    |    |   | Isopropylcyclobutane                | 98 | C7H14   | 000872-56-0 | 74   |
| 2    |    |   | (Z)-Hex-2-ene, 5-methyl-            | 98 | C7H14   | 013151-17-2 | 58   |
| 3    |    |   | (Z)-Hex-2-ene, 5-methyl-            | 98 | C7H14   | 013151-17-2 | 58   |
| 4    |    |   | 2-Hexene, 5-methyl-, (E)-           | 98 | C7H14   | 007385-82-2 | 53   |
| 5    |    |   | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14   | 000822-50-4 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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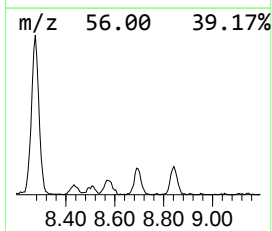
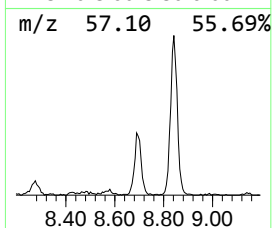
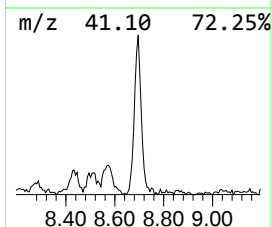
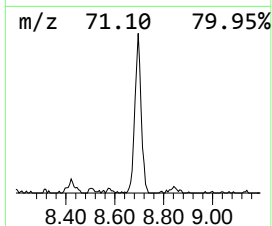
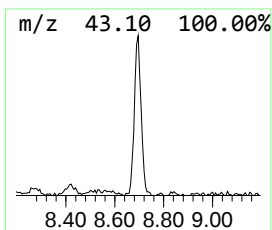
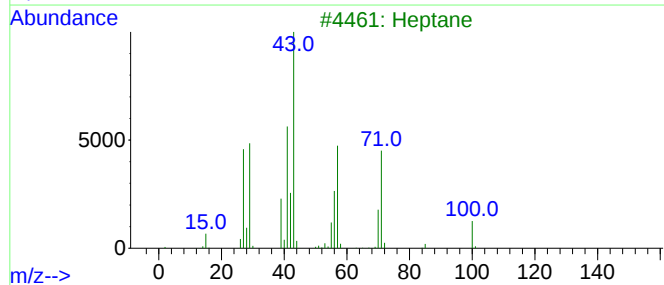
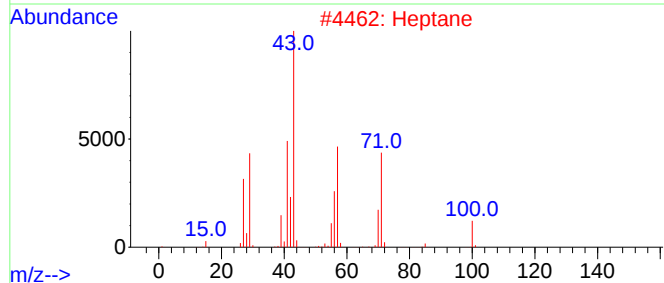
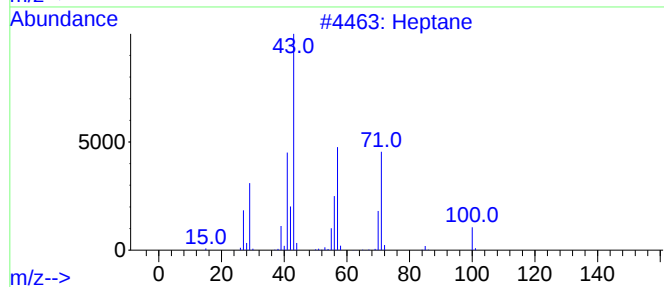
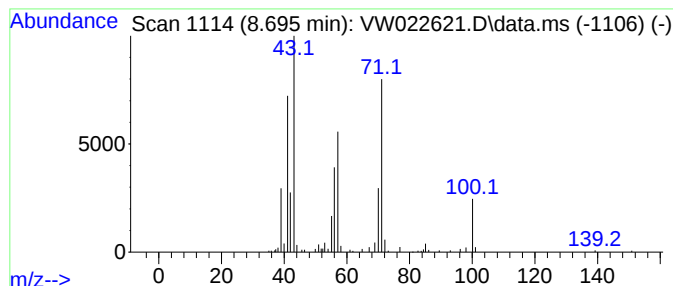
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Quant Title : SFAM01.0

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

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.695 | 3.56 ug/L | 99260 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of                    | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------|---|--------------|-----|---------|-------------|------|
| 1    | Heptane               |   |              | 100 | C7H16   | 000142-82-5 | 91   |
| 2    | Heptane               |   |              | 100 | C7H16   | 000142-82-5 | 91   |
| 3    | Heptane               |   |              | 100 | C7H16   | 000142-82-5 | 83   |
| 4    | Heptane               |   |              | 100 | C7H16   | 000142-82-5 | 72   |
| 5    | Octane, 3,3-dimethyl- |   |              | 142 | C10H22  | 004110-44-5 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
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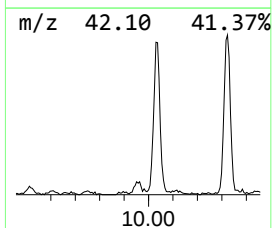
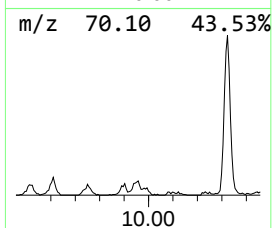
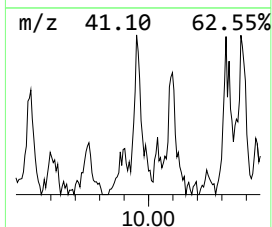
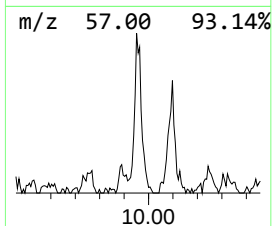
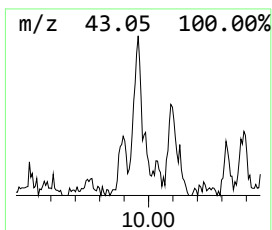
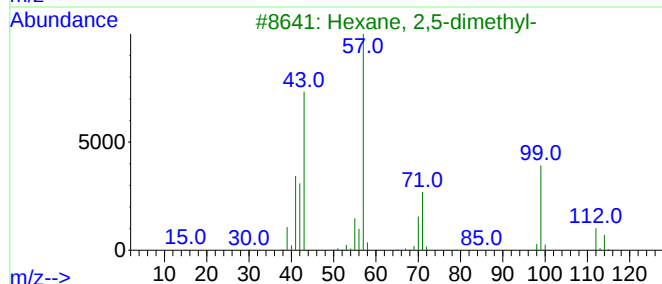
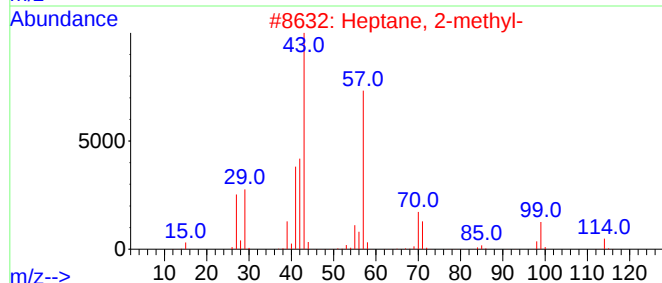
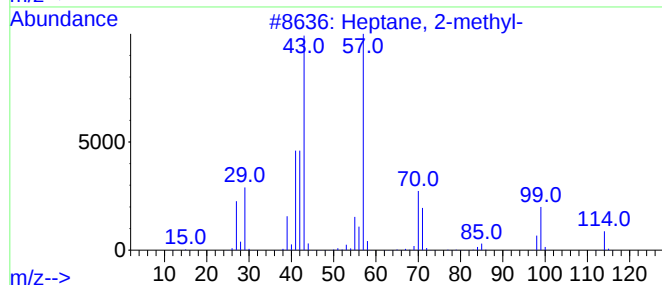
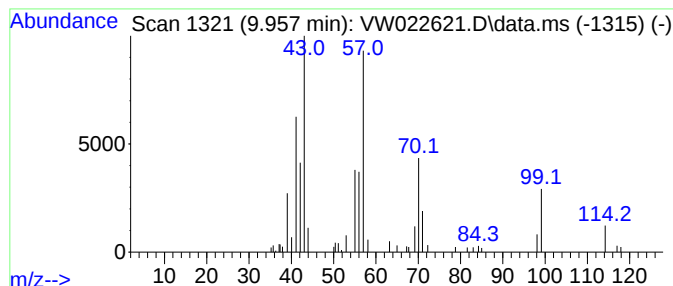
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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.957 | 1.35 ug/L | 37720 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Heptane, 2-methyl-       | 114 | C8H18   | 000592-27-8 | 59   |
| 2    |      | Heptane, 2-methyl-       | 114 | C8H18   | 000592-27-8 | 59   |
| 3    |      | Hexane, 2,5-dimethyl-    | 114 | C8H18   | 000592-13-2 | 50   |
| 4    |      | Heptane, 2-methyl-       | 114 | C8H18   | 000592-27-8 | 50   |
| 5    |      | Pentane, 1-(ethenyloxy)- | 114 | C7H14O  | 005363-63-3 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

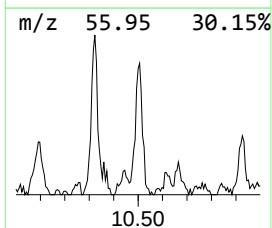
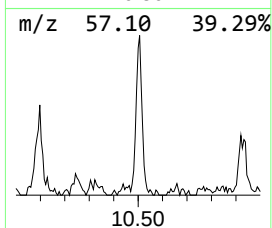
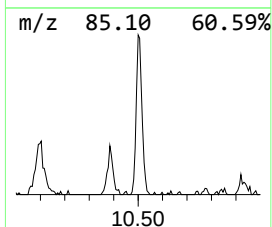
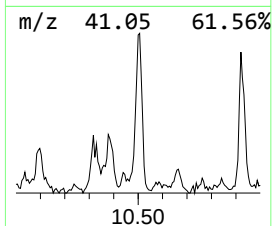
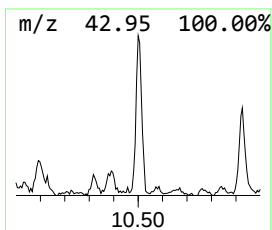
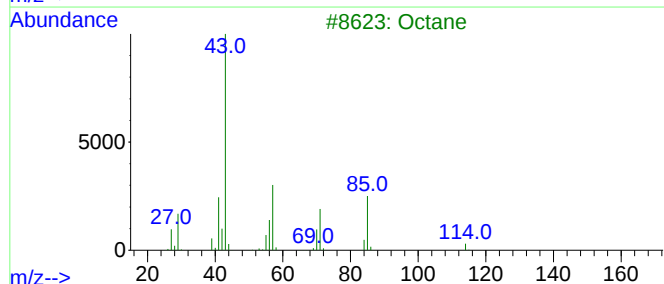
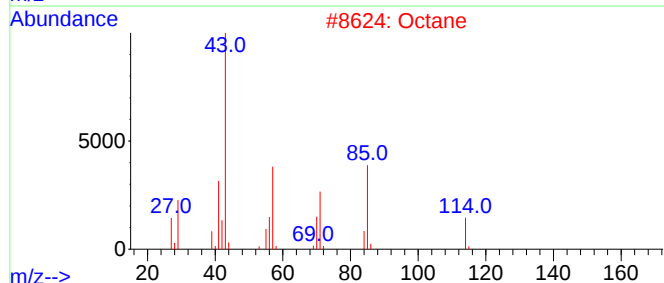
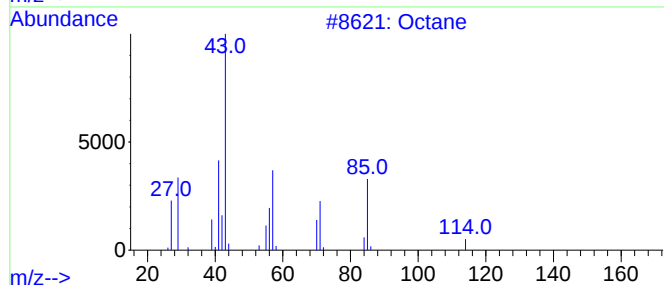
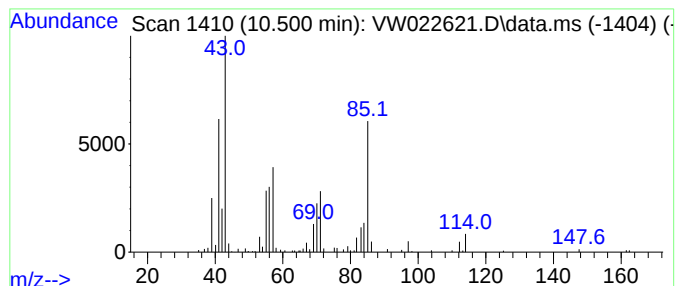
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 10.500 | 3.76 ug/L | 85427 | Chlorobenzene-d5 | 11.628 |

| Hit# | of               | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------------------|---|--------------|-----|---------|-------------|------|
| 1    | Octane           |   |              | 114 | C8H18   | 000111-65-9 | 87   |
| 2    | Octane           |   |              | 114 | C8H18   | 000111-65-9 | 72   |
| 3    | Octane           |   |              | 114 | C8H18   | 000111-65-9 | 72   |
| 4    | Hexane, 3-ethyl- |   |              | 114 | C8H18   | 000619-99-8 | 58   |
| 5    | Octane           |   |              | 114 | C8H18   | 000111-65-9 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

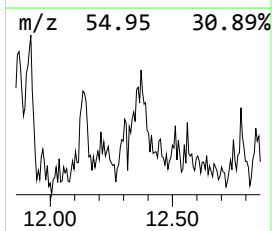
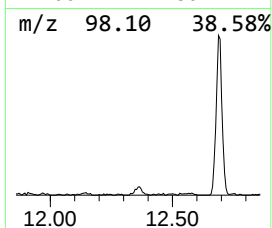
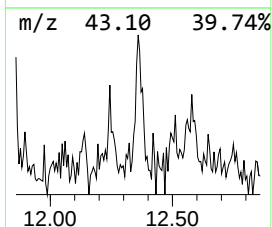
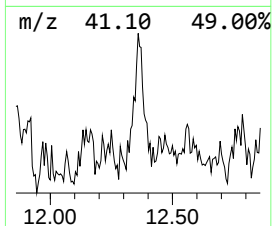
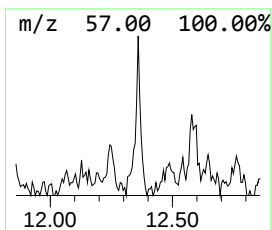
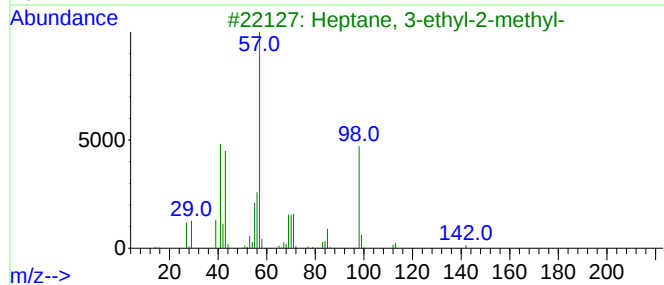
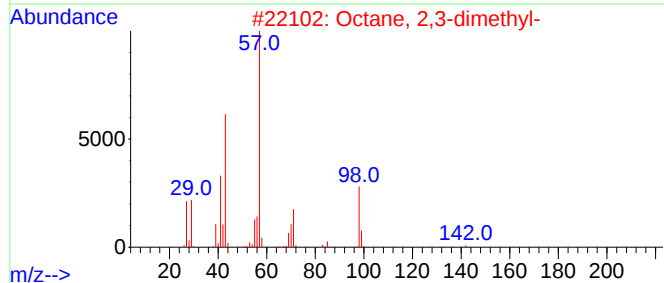
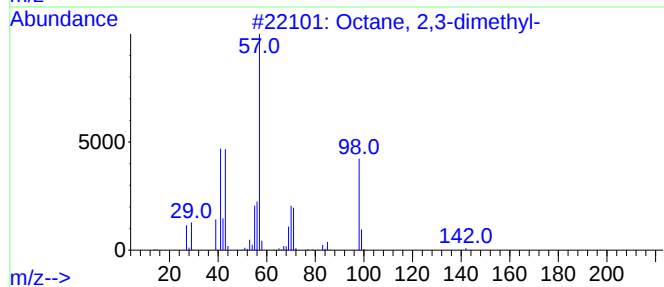
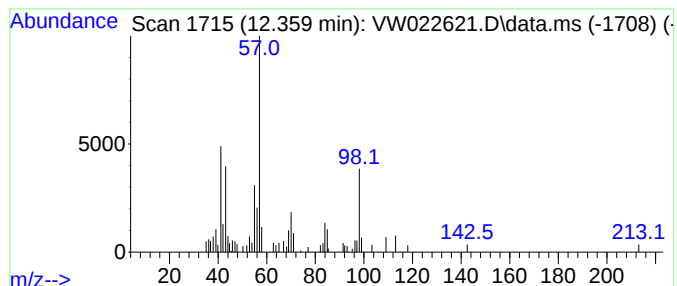
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.359 | 1.37 ug/L | 31180 | Chlorobenzene-d5 | 11.628 |

| Hit# | of                              | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Octane, 2,3-dimethyl-           |   |              | 142 | C10H22  | 007146-60-3 | 50   |
| 2    | Octane, 2,3-dimethyl-           |   |              | 142 | C10H22  | 007146-60-3 | 50   |
| 3    | Heptane, 3-ethyl-2-methyl-      |   |              | 142 | C10H22  | 014676-29-0 | 47   |
| 4    | Heptane, 3-ethyl-2-methyl-      |   |              | 142 | C10H22  | 014676-29-0 | 45   |
| 5    | 1,3-Diethoxy-2-methylenepropene |   |              | 144 | C8H16O2 | 025307-84-0 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

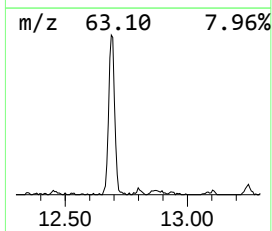
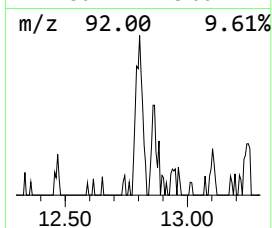
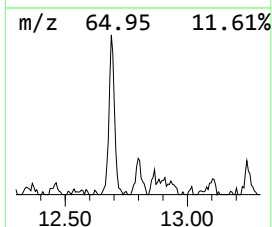
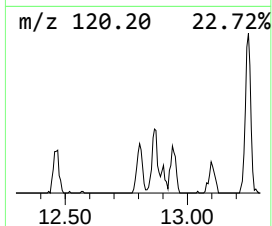
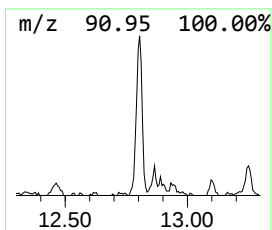
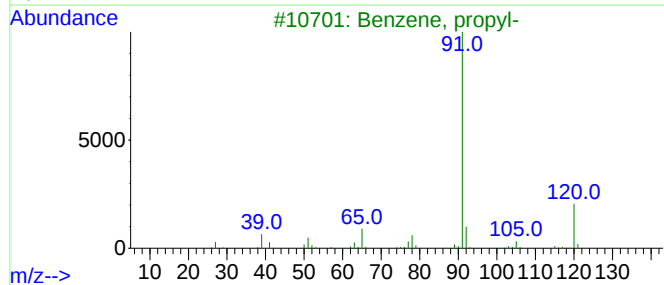
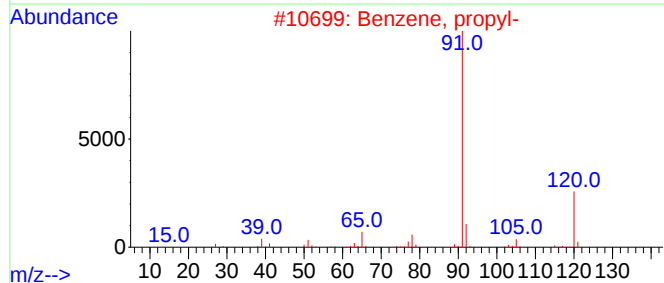
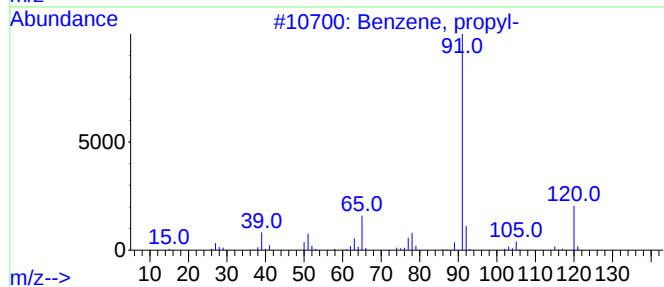
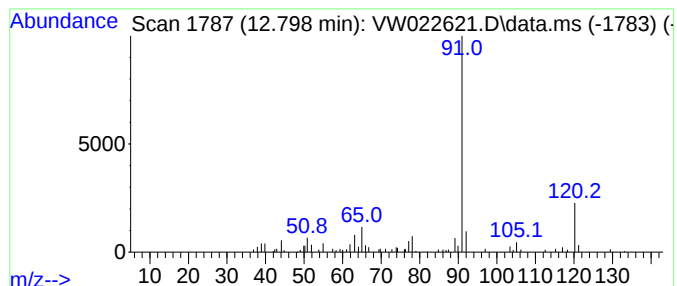
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 12 Benzene, propyl- Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.798 | 2.43 ug/L | 24633 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, propyl-                    | 120 | C9H12   | 000103-65-1 | 87   |
| 2    |    |   | Benzene, propyl-                    | 120 | C9H12   | 000103-65-1 | 72   |
| 3    |    |   | Benzene, propyl-                    | 120 | C9H12   | 000103-65-1 | 72   |
| 4    |    |   | 1,2-Ethanediamine, N-(phenylmeth... | 150 | C9H14N2 | 004152-09-4 | 72   |
| 5    |    |   | N-Benzyl-2-phenethylamine           | 211 | C15H17N | 003647-71-0 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

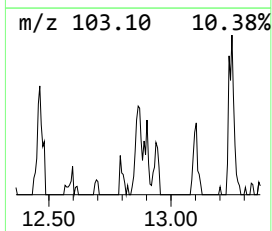
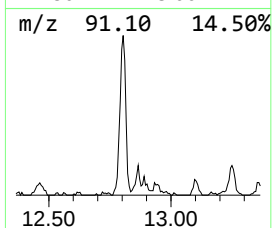
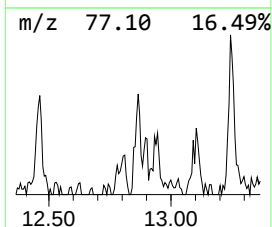
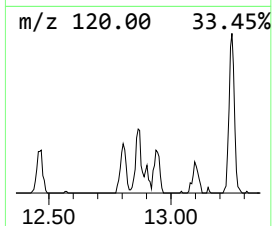
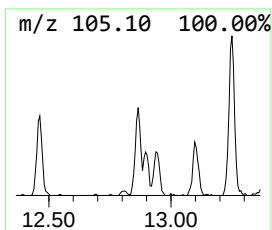
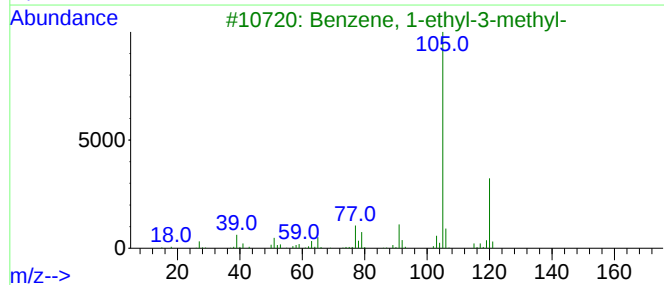
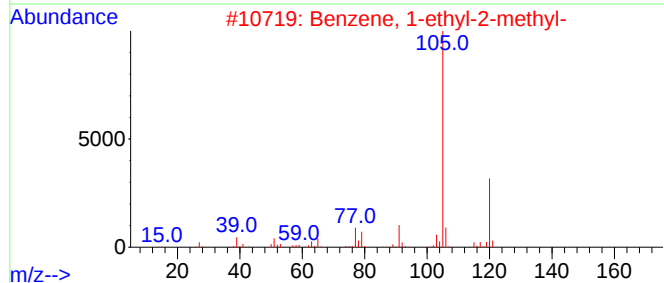
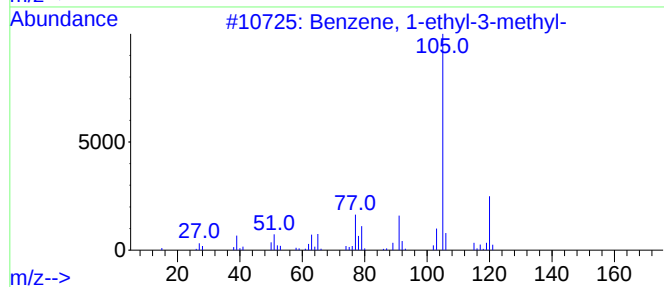
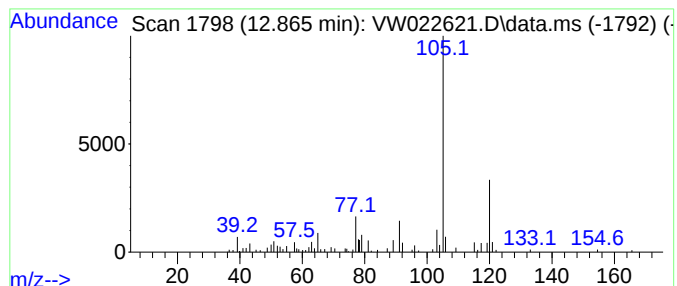
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 13 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.865 | 2.74 ug/L | 27848 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 90   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 87   |
| 5    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

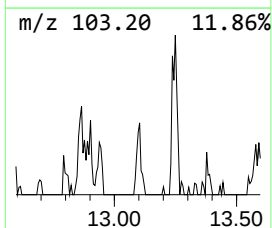
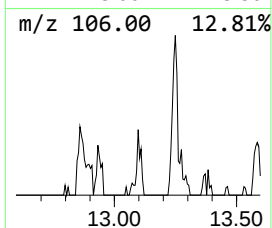
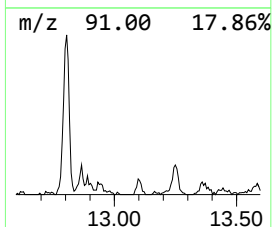
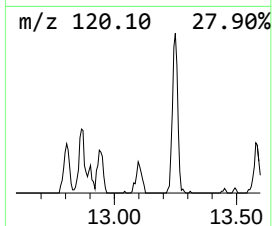
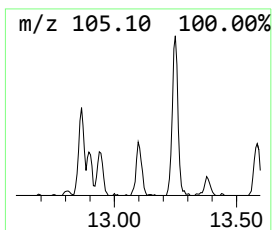
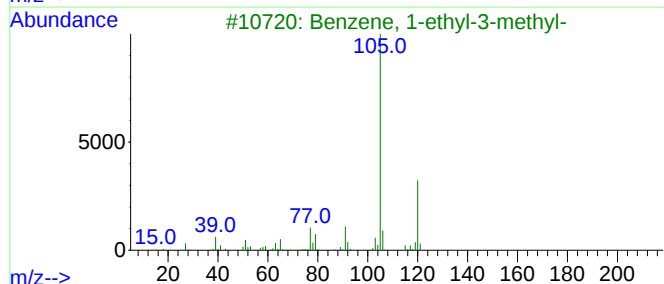
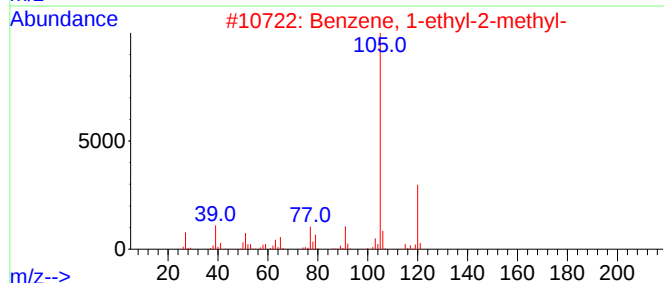
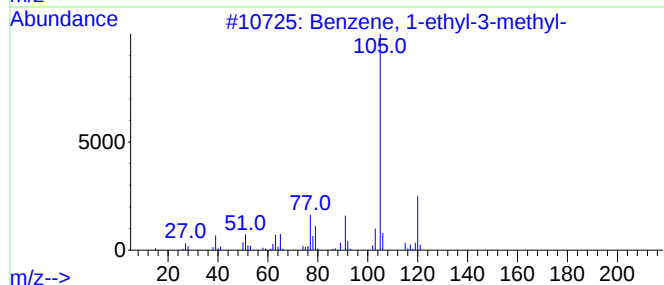
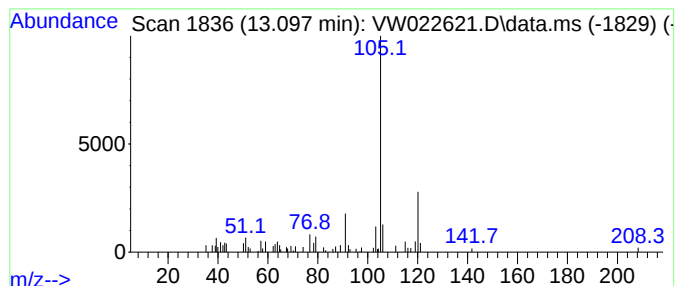
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.097 | 2.06 ug/L | 20910 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 83   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 81   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 81   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 81   |
| 5    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
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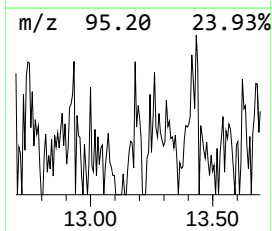
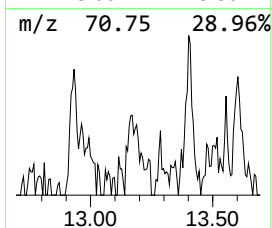
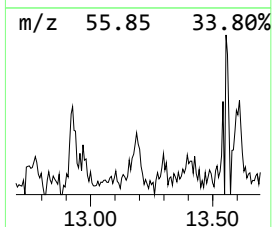
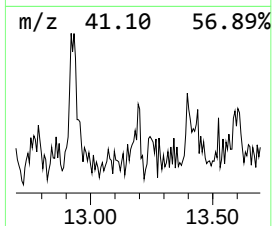
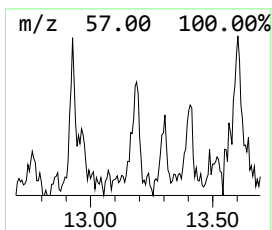
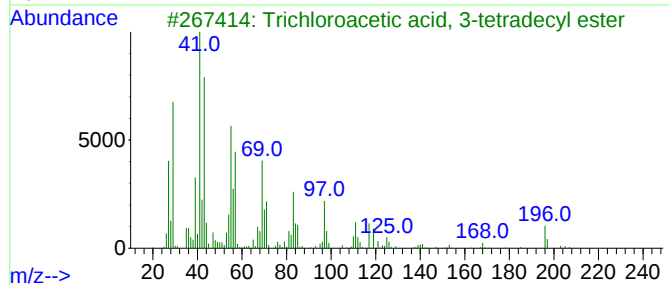
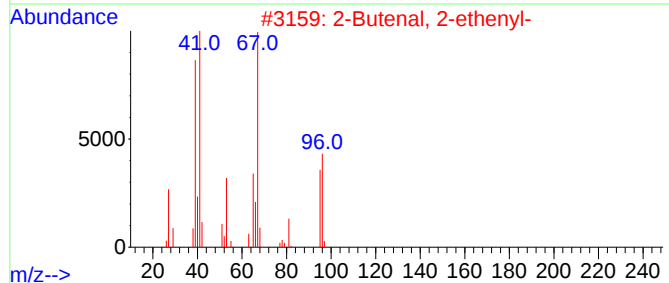
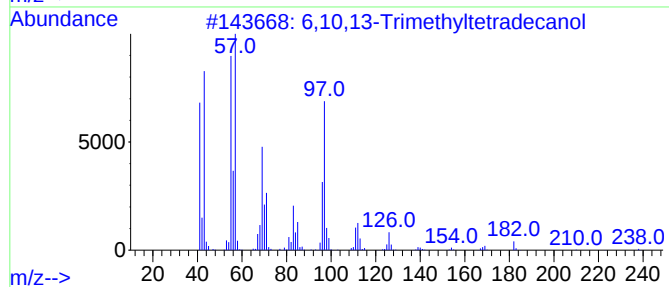
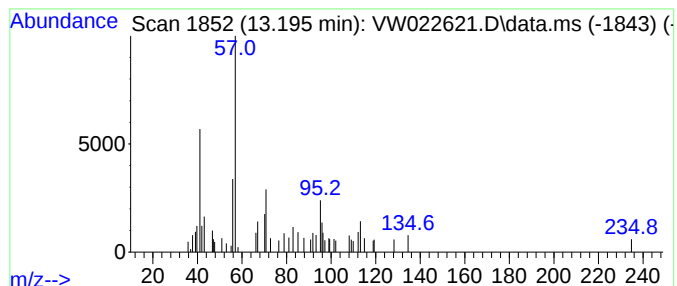
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown-01 Concentration Rank 11

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.195 | 1.46 ug/L | 14829 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 6,10,13-Trimethyltetradecanol       | 256 | C17H36O      | 1000131-71-0 | 22      |      |      |
| 2    | 2-Butenal, 2-ethenyl-               | 96  | C6H8O        | 020521-42-0  | 12      |      |      |
| 3    | Trichloroacetic acid, 3-tetradec... | 358 | C16H29Cl3O2  | 1000282-06-7 | 12      |      |      |
| 4    | Nonane, 2,2,4,4,6,8,8-heptamethyl-  | 226 | C16H34       | 004390-04-9  | 12      |      |      |
| 5    | Trichloroacetic acid, 4-tridecyl... | 344 | C15H27Cl3O2  | 1000282-06-5 | 10      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
Data File : VW022621.D  
Acq On : 26 Apr 2022 13:31  
Operator : SY/VA  
Sample : N2562-08  
Misc : 5.82g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW469

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

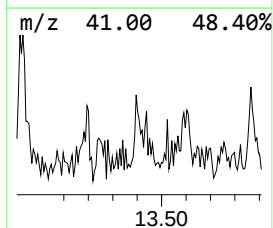
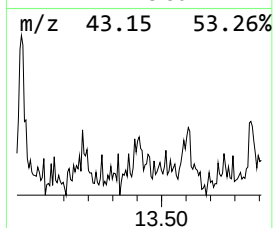
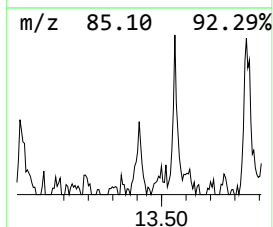
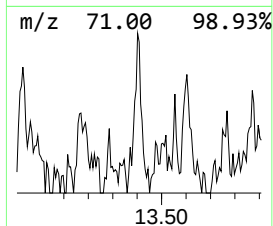
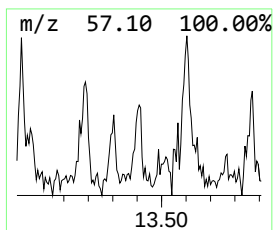
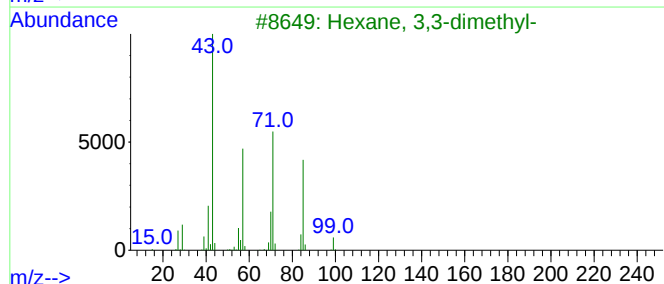
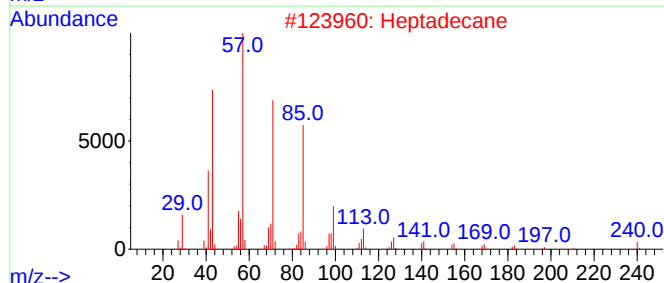
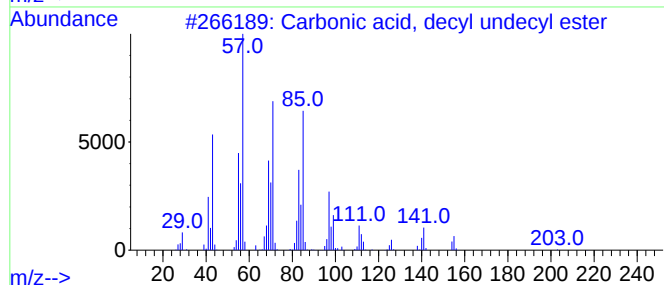
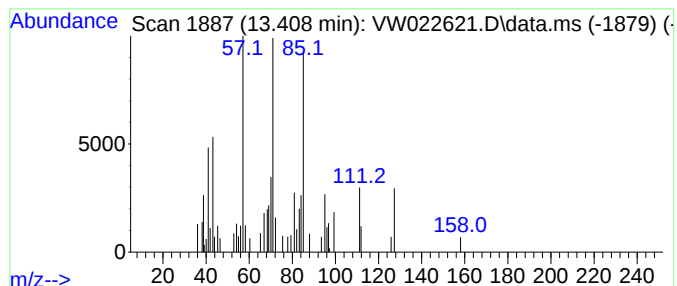
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Carbonic acid, decyl undecyl... Concentration Rank 16

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.408 | 1.34 ug/L | 13594 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbonic acid, decyl undecyl ester | 356 | C22H44O3 | 1000383-16-0 | 59   |
| 2    |    |   | Heptadecane                        | 240 | C17H36   | 000629-78-7  | 53   |
| 3    |    |   | Hexane, 3,3-dimethyl-              | 114 | C8H18    | 000563-16-6  | 50   |
| 4    |    |   | Hexane, 3,3-dimethyl-              | 114 | C8H18    | 000563-16-6  | 50   |
| 5    |    |   | Octane, 2,4,6-trimethyl-           | 156 | C11H24   | 062016-37-9  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042622\  
 Data File : VW022621.D  
 Acq On : 26 Apr 2022 13:31  
 Operator : SY/VA  
 Sample : N2562-08  
 Misc : 5.82g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW469

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L  
 TIC Integration Parameters: LSCINT.P

|                    |        |         |       |          | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
| TIC Top Hit name   | RT     | EstConc | Units | Response | #                     | RT     | Resp   | Conc |
| (DEL) Alkane: S... | 3.026  | 3.8     | ug/L  | 104819   | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: S... | 3.385  | 2.3     | ug/L  | 64133    | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: S... | 5.940  | 4.3     | ug/L  | 118553   | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: C... | 6.982  | 2.5     | ug/L  | 69795    | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: S... | 8.153  | 1.5     | ug/L  | 40478    | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: C... | 8.567  | 1.4     | ug/L  | 39976    | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: S... | 8.695  | 3.6     | ug/L  | 99260    | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: S... | 9.957  | 1.4     | ug/L  | 37720    | 1                     | 8.842  | 697850 | 25.0 |
| (DEL) Alkane: S... | 10.500 | 3.8     | ug/L  | 85427    | 2                     | 11.628 | 568001 | 25.0 |
| (DEL) Alkane: S... | 12.359 | 1.4     | ug/L  | 31180    | 2                     | 11.628 | 568001 | 25.0 |
| Benzene, propyl-   | 12.798 | 2.4     | ug/L  | 24633    | 3                     | 13.560 | 253860 | 25.0 |
| Benzene, 1-ethy... | 12.865 | 2.7     | ug/L  | 27848    | 3                     | 13.560 | 253860 | 25.0 |
| Benzene, 1-ethy... | 13.097 | 2.1     | ug/L  | 20910    | 3                     | 13.560 | 253860 | 25.0 |
| unknown-01         | 13.195 | 1.5     | ug/L  | 14829    | 3                     | 13.560 | 253860 | 25.0 |
| Carbonic acid, ... | 13.408 | 1.3     | ug/L  | 13594    | 3                     | 13.560 | 253860 | 25.0 |