

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
 Data File : VW024377.D  
 Acq On : 27 Aug 2022 04:07  
 Operator : SY/VA  
 Sample : N4345-01  
 Misc : 5.83g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBVS1

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\SFAMWLM082622SMA.M  
 Title : SFAM01.0

Signal : TIC: VW024377.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.069       | 24            | 27          | 32           | rVB7     | 1896           | 2557          | 0.00%           | 0.000%        |
| 2         | 2.258       | 44            | 58          | 59           | rBV3     | 24982          | 76915         | 0.02%           | 0.015%        |
| 3         | 2.337       | 67            | 71          | 76           | rVB      | 50882          | 74803         | 0.01%           | 0.014%        |
| 4         | 2.873       | 155           | 159         | 166          | rVB      | 33556          | 57851         | 0.01%           | 0.011%        |
| 5         | 3.593       | 274           | 277         | 279          | rVB4     | 1606           | 1985          | 0.00%           | 0.000%        |
| 6         | 3.623       | 279           | 282         | 284          | rBV4     | 2671           | 3020          | 0.00%           | 0.001%        |
| 7         | 3.776       | 306           | 307         | 310          | rBV3     | 2240           | 2274          | 0.00%           | 0.000%        |
| 8         | 3.837       | 313           | 317         | 318          | rBV4     | 2779           | 3294          | 0.00%           | 0.001%        |
| 9         | 4.007       | 336           | 345         | 359          | rBV2     | 25989          | 84497         | 0.02%           | 0.016%        |
| 10        | 4.117       | 361           | 363         | 366          | rVV4     | 2252           | 2550          | 0.00%           | 0.000%        |
| 11        | 4.489       | 422           | 424         | 428          | rVB5     | 1626           | 2060          | 0.00%           | 0.000%        |
| 12        | 4.909       | 485           | 493         | 503          | rVB      | 11625          | 37552         | 0.01%           | 0.007%        |
| 13        | 5.105       | 521           | 525         | 531          | rBV9     | 2794           | 5610          | 0.00%           | 0.001%        |
| 14        | 5.287       | 552           | 555         | 558          | rVB5     | 1839           | 2304          | 0.00%           | 0.000%        |
| 15        | 5.403       | 570           | 574         | 575          | rBV4     | 2290           | 2833          | 0.00%           | 0.001%        |
| 16        | 5.507       | 589           | 591         | 594          | rVB4     | 2076           | 2219          | 0.00%           | 0.000%        |
| 17        | 5.702       | 621           | 623         | 625          | rVB3     | 2227           | 1877          | 0.00%           | 0.000%        |
| 18        | 5.934       | 656           | 661         | 662          | rBV5     | 2907           | 3856          | 0.00%           | 0.001%        |
| 19        | 5.952       | 662           | 664         | 665          | rVV2     | 2635           | 2062          | 0.00%           | 0.000%        |
| 20        | 6.464       | 746           | 748         | 753          | rVB5     | 2336           | 2268          | 0.00%           | 0.000%        |
| 21        | 6.507       | 753           | 755         | 757          | rVB3     | 2544           | 2068          | 0.00%           | 0.000%        |
| 22        | 6.531       | 757           | 759         | 761          | rBV3     | 2660           | 2968          | 0.00%           | 0.001%        |
| 23        | 6.830       | 805           | 808         | 810          | rBV4     | 1437           | 2066          | 0.00%           | 0.000%        |
| 24        | 7.080       | 842           | 849         | 854          | rVV2     | 9628           | 25029         | 0.00%           | 0.005%        |
| 25        | 7.153       | 855           | 861         | 872          | rVB3     | 26991          | 88209         | 0.02%           | 0.017%        |
| 26        | 7.433       | 903           | 907         | 910          | rVV6     | 1503           | 2075          | 0.00%           | 0.000%        |
| 27        | 7.561       | 926           | 928         | 931          | rBV4     | 1850           | 2111          | 0.00%           | 0.000%        |
| 28        | 7.653       | 935           | 943         | 952          | rVB      | 46348          | 120307        | 0.02%           | 0.023%        |
| 29        | 7.848       | 972           | 975         | 976          | rBV3     | 2884           | 2353          | 0.00%           | 0.000%        |
| 30        | 8.000       | 998           | 1000        | 1004         | rVB5     | 1701           | 2583          | 0.00%           | 0.000%        |
| 31        | 8.055       | 1004          | 1009        | 1011         | rBV6     | 3641           | 5049          | 0.00%           | 0.001%        |
| 32        | 8.074       | 1011          | 1012        | 1017         | rVB5     | 2857           | 3737          | 0.00%           | 0.001%        |
| 33        | 8.281       | 1036          | 1046        | 1062         | rBV2     | 91234          | 335338        | 0.07%           | 0.064%        |
| 34        | 8.391       | 1062          | 1064        | 1067         | rBV4     | 2119           | 2663          | 0.00%           | 0.001%        |
| 35        | 8.506       | 1080          | 1083        | 1086         | rVB5     | 1740           | 2218          | 0.00%           | 0.000%        |
| 36        | 8.616       | 1100          | 1101        | 1106         | rVB5     | 2325           | 2188          | 0.00%           | 0.000%        |

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Integrator: RTE

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |       |          |           |         |         |
|----|--------|------|------|------|-------|----------|-----------|---------|---------|
| 37 | 8.842  | 1130 | 1138 | 1149 | rVV   | 99391    | 213519    | 0.04%   | 0.041%  |
| 38 | 8.964  | 1155 | 1158 | 1159 | rBV3  | 2478     | 2418      | 0.00%   | 0.000%  |
| 39 | 9.019  | 1165 | 1167 | 1170 | rBV4  | 2110     | 2644      | 0.00%   | 0.001%  |
| 40 | 9.098  | 1170 | 1180 | 1191 | rBV   | 173040   | 405453    | 0.08%   | 0.078%  |
| 41 | 9.275  | 1202 | 1209 | 1218 | rBV2  | 73493    | 160816    | 0.03%   | 0.031%  |
| 42 | 9.585  | 1257 | 1260 | 1261 | rVV3  | 1872     | 2286      | 0.00%   | 0.000%  |
| 43 | 9.622  | 1264 | 1266 | 1269 | rBV4  | 2083     | 2139      | 0.00%   | 0.000%  |
| 44 | 9.963  | 1317 | 1322 | 1324 | rBV5  | 4806     | 7637      | 0.00%   | 0.001%  |
| 45 | 10.037 | 1329 | 1334 | 1341 | rVB   | 31966    | 59626     | 0.01%   | 0.011%  |
| 46 | 10.220 | 1360 | 1364 | 1366 | rBV5  | 2467     | 3748      | 0.00%   | 0.001%  |
| 47 | 10.329 | 1373 | 1382 | 1387 | rBV   | 104566   | 238137    | 0.05%   | 0.046%  |
| 48 | 10.396 | 1387 | 1393 | 1405 | rVV   | 260309   | 602795    | 0.12%   | 0.116%  |
| 49 | 10.512 | 1408 | 1412 | 1417 | rVV7  | 8524     | 17762     | 0.00%   | 0.003%  |
| 50 | 10.585 | 1419 | 1424 | 1431 | rVB3  | 23252    | 53852     | 0.01%   | 0.010%  |
| 51 | 10.677 | 1431 | 1439 | 1445 | rBV10 | 9231     | 28680     | 0.01%   | 0.006%  |
| 52 | 10.774 | 1451 | 1455 | 1460 | rBV5  | 7947     | 15299     | 0.00%   | 0.003%  |
| 53 | 10.872 | 1460 | 1471 | 1483 | rBV6  | 98970918 | 512021993 | 100.00% | 98.223% |
| 54 | 11.421 | 1557 | 1561 | 1572 | rVB4  | 80953    | 191910    | 0.04%   | 0.037%  |
| 55 | 11.518 | 1572 | 1577 | 1583 | rBV2  | 68340    | 117875    | 0.02%   | 0.023%  |
| 56 | 11.640 | 1592 | 1597 | 1605 | rBV   | 156708   | 267672    | 0.05%   | 0.051%  |
| 57 | 11.738 | 1607 | 1613 | 1621 | rBV2  | 150144   | 267370    | 0.05%   | 0.051%  |
| 58 | 11.847 | 1626 | 1631 | 1634 | rBV   | 153414   | 238093    | 0.05%   | 0.046%  |
| 59 | 11.981 | 1649 | 1653 | 1654 | rBV4  | 6682     | 9013      | 0.00%   | 0.002%  |
| 60 | 12.146 | 1673 | 1680 | 1681 | rBV3  | 93813    | 171613    | 0.03%   | 0.033%  |
| 61 | 12.250 | 1691 | 1697 | 1702 | rVB3  | 67946    | 149006    | 0.03%   | 0.029%  |
| 62 | 12.305 | 1702 | 1706 | 1707 | rBV3  | 33342    | 41366     | 0.01%   | 0.008%  |
| 63 | 12.347 | 1709 | 1713 | 1716 | rBV2  | 34257    | 74726     | 0.01%   | 0.014%  |
| 64 | 12.463 | 1727 | 1732 | 1738 | rBV   | 696598   | 1108540   | 0.22%   | 0.213%  |
| 65 | 12.615 | 1753 | 1757 | 1759 | rBV4  | 17473    | 27760     | 0.01%   | 0.005%  |
| 66 | 12.652 | 1759 | 1763 | 1766 | rVV   | 62560    | 93580     | 0.02%   | 0.018%  |
| 67 | 12.695 | 1766 | 1770 | 1776 | rVV   | 89078    | 151577    | 0.03%   | 0.029%  |
| 68 | 12.804 | 1780 | 1788 | 1793 | rVV   | 138747   | 283855    | 0.06%   | 0.054%  |
| 69 | 12.865 | 1793 | 1798 | 1801 | rVV   | 161269   | 268605    | 0.05%   | 0.052%  |
| 70 | 12.902 | 1801 | 1804 | 1805 | rVV   | 142327   | 183766    | 0.04%   | 0.035%  |
| 71 | 12.939 | 1806 | 1810 | 1816 | rVV3  | 334396   | 643237    | 0.13%   | 0.123%  |
| 72 | 12.987 | 1816 | 1818 | 1824 | rVB2  | 35779    | 51108     | 0.01%   | 0.010%  |
| 73 | 13.103 | 1829 | 1837 | 1843 | rBV   | 115094   | 251730    | 0.05%   | 0.048%  |
| 74 | 13.164 | 1844 | 1847 | 1850 | rVV3  | 26362    | 35985     | 0.01%   | 0.007%  |
| 75 | 13.207 | 1851 | 1854 | 1856 | rVV   | 34790    | 45844     | 0.01%   | 0.009%  |
| 76 | 13.249 | 1856 | 1861 | 1866 | rVB   | 228225   | 321370    | 0.06%   | 0.062%  |

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 MSVOA\_W  
 ClientSampleId :  
 DBVS1

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

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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\SFAMWLM082622SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |       |        |        |       |        |
|-----|--------|------|------|------|-------|--------|--------|-------|--------|
| 77  | 13.445 | 1887 | 1893 | 1897 | rBV2  | 81758  | 145686 | 0.03% | 0.028% |
| 78  | 13.487 | 1897 | 1900 | 1906 | rVV5  | 34398  | 64721  | 0.01% | 0.012% |
| 79  | 13.554 | 1906 | 1911 | 1920 | rVB2  | 193383 | 409737 | 0.08% | 0.079% |
| 80  | 13.749 | 1939 | 1943 | 1946 | rBV2  | 50466  | 65149  | 0.01% | 0.012% |
| 81  | 13.792 | 1946 | 1950 | 1954 | rVV3  | 54120  | 89973  | 0.02% | 0.017% |
| 82  | 13.853 | 1956 | 1960 | 1970 | rVB2  | 136394 | 312720 | 0.06% | 0.060% |
| 83  | 13.944 | 1971 | 1975 | 1981 | rVB   | 37038  | 60345  | 0.01% | 0.012% |
| 84  | 14.005 | 1981 | 1985 | 1987 | rBV2  | 19142  | 27674  | 0.01% | 0.005% |
| 85  | 14.091 | 1995 | 1999 | 2006 | rVB2  | 54392  | 88118  | 0.02% | 0.017% |
| 86  | 14.201 | 2011 | 2017 | 2022 | rVB2  | 39669  | 68382  | 0.01% | 0.013% |
| 87  | 14.255 | 2022 | 2026 | 2027 | rBV4  | 7920   | 11987  | 0.00% | 0.002% |
| 88  | 14.335 | 2034 | 2039 | 2043 | rBV6  | 14167  | 24074  | 0.00% | 0.005% |
| 89  | 14.383 | 2044 | 2047 | 2049 | rBV4  | 10069  | 11944  | 0.00% | 0.002% |
| 90  | 14.493 | 2062 | 2065 | 2068 | rBV5  | 6802   | 9160   | 0.00% | 0.002% |
| 91  | 14.536 | 2070 | 2072 | 2076 | rVB5  | 7021   | 8061   | 0.00% | 0.002% |
| 92  | 14.780 | 2108 | 2112 | 2121 | rBV5  | 12131  | 29391  | 0.01% | 0.006% |
| 93  | 14.950 | 2136 | 2140 | 2144 | rBV7  | 5413   | 9896   | 0.00% | 0.002% |
| 94  | 15.054 | 2153 | 2157 | 2164 | rBV10 | 3898   | 9493   | 0.00% | 0.002% |
| 95  | 15.231 | 2184 | 2186 | 2189 | rBV4  | 2955   | 2740   | 0.00% | 0.001% |
| 96  | 15.432 | 2213 | 2219 | 2221 | rBV7  | 4846   | 9435   | 0.00% | 0.002% |
| 97  | 16.072 | 2321 | 2324 | 2327 | rVB5  | 2701   | 3027   | 0.00% | 0.001% |
| 98  | 16.353 | 2368 | 2370 | 2374 | rVB5  | 2126   | 2161   | 0.00% | 0.000% |
| 99  | 16.438 | 2377 | 2384 | 2389 | rBV9  | 3526   | 9560   | 0.00% | 0.002% |
| 100 | 16.615 | 2411 | 2413 | 2415 | rBV3  | 3020   | 3316   | 0.00% | 0.001% |

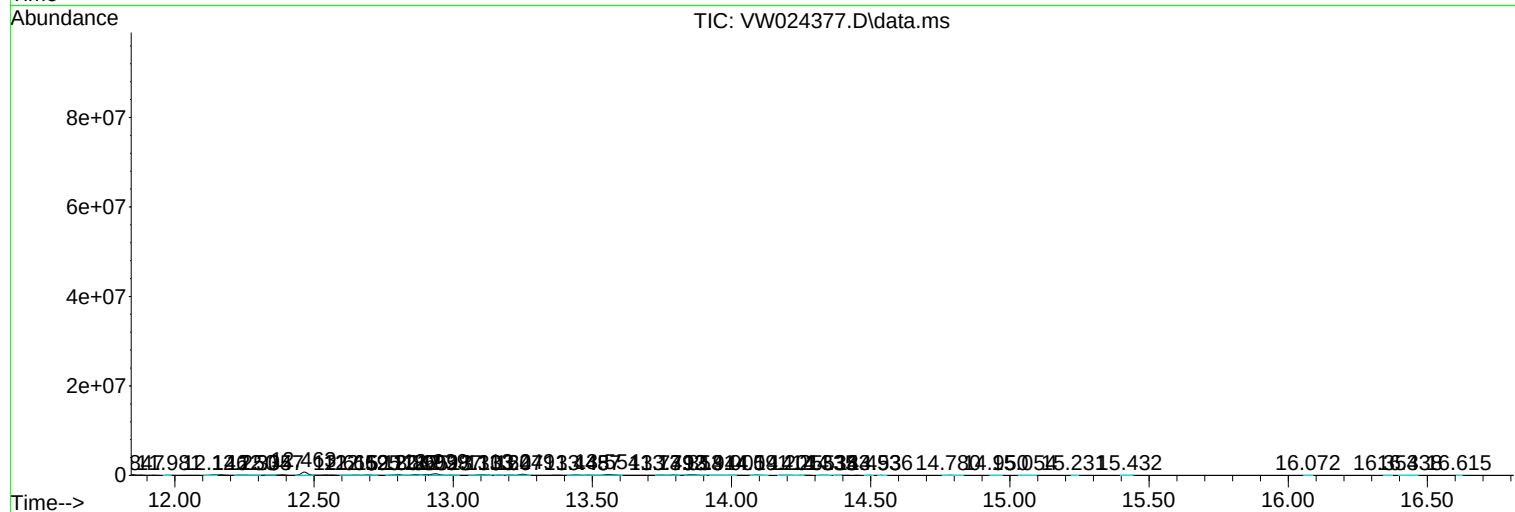
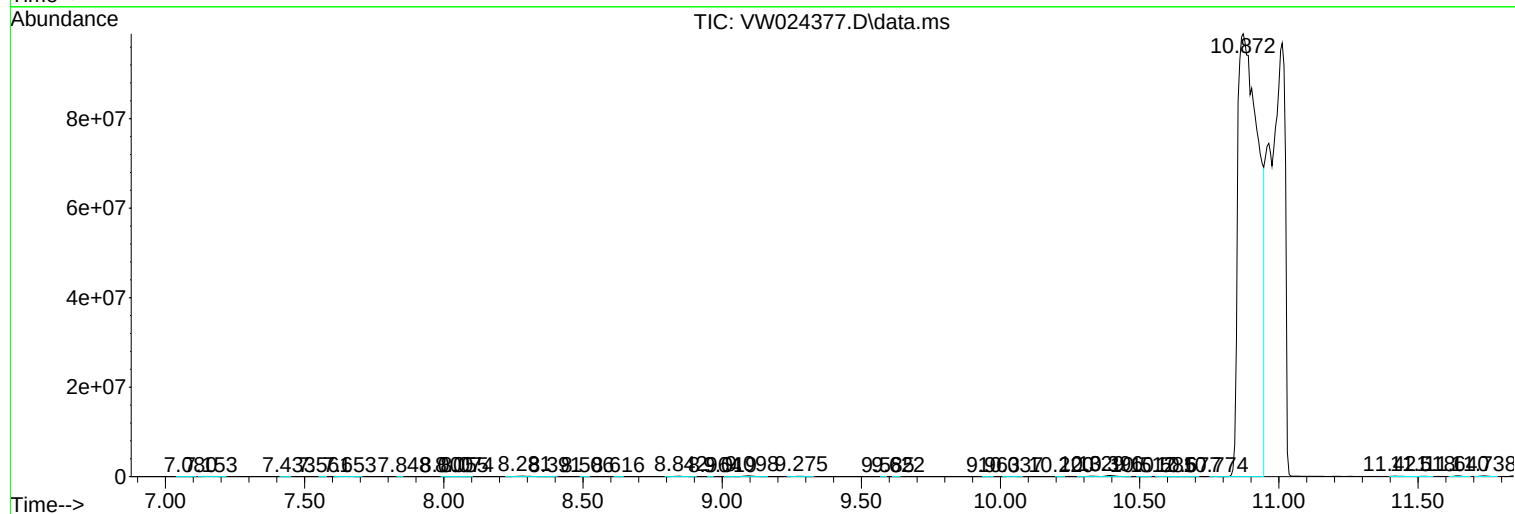
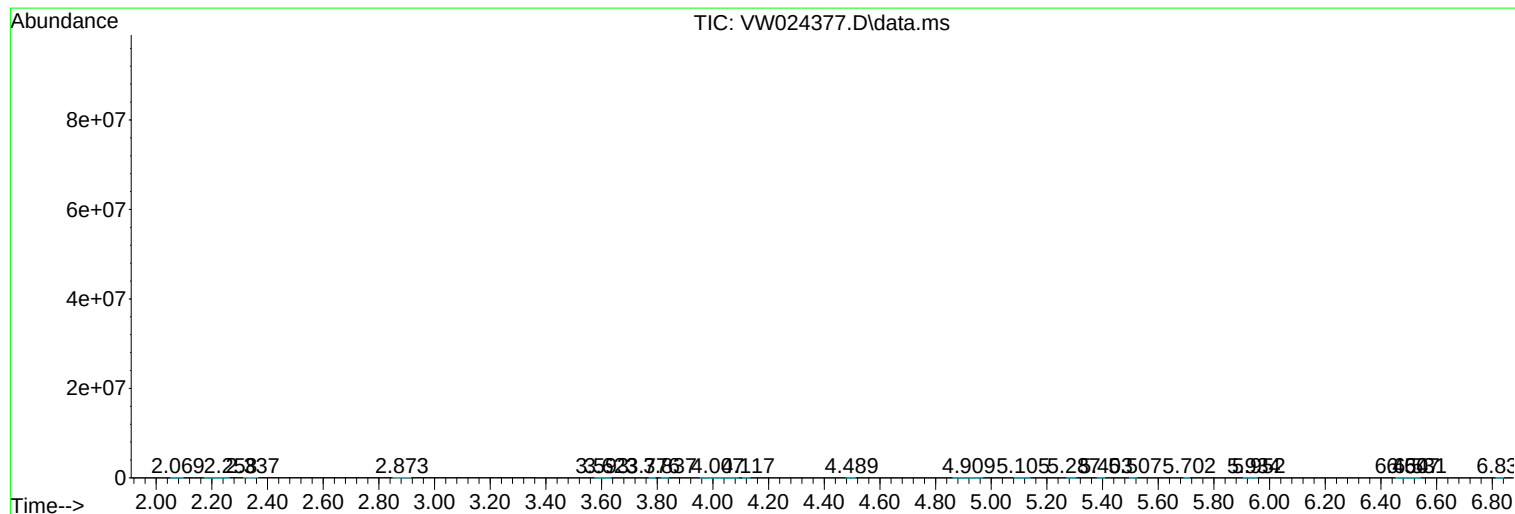
Sum of corrected areas: 521284504

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
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Instrument :  
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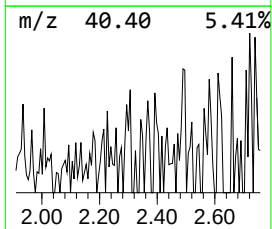
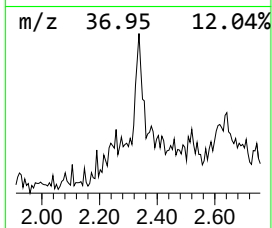
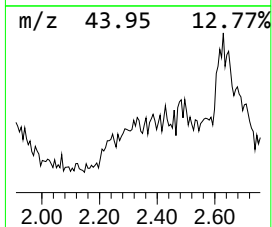
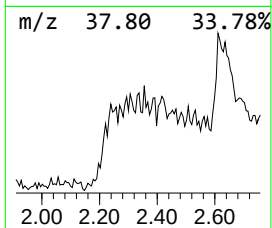
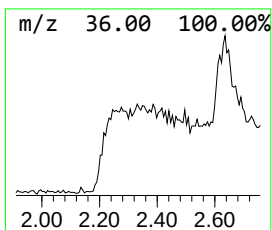
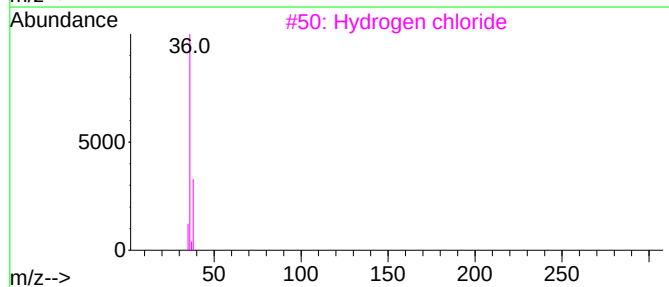
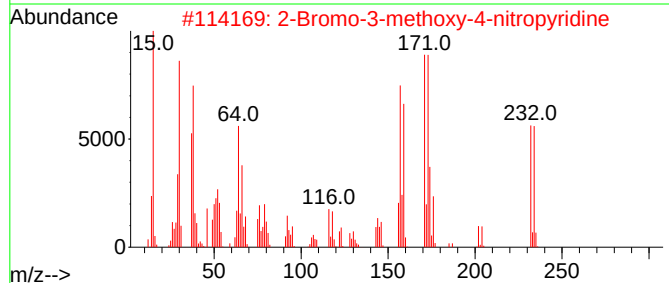
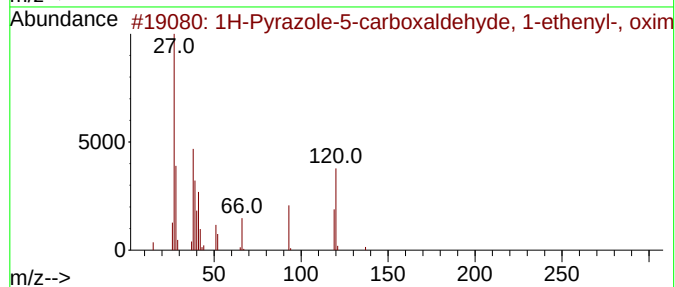
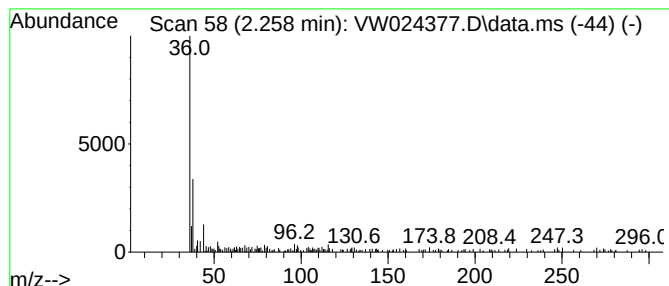
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.258 | 9.01 ug/L | 76915 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1H-Pyrazole-5-carboxaldehyde, 1-... | 137 | C6H7N3O    | 1000460-67-6 | 9    |
| 2    |    |   | 2-Bromo-3-methoxy-4-nitropyridine   | 232 | C6H5BrN2O3 | 1000444-83-2 | 9    |
| 3    |    |   | Hydrogen chloride                   | 36  | ClH        | 007647-01-0  | 5    |
| 4    |    |   | Hydrogen chloride                   | 36  | ClH        | 007647-01-0  | 5    |
| 5    |    |   | 5-[4-azido-1,2,5-oxadiazol-3-yl]... | 179 | C3HN9O     | 1000459-93-2 | 4    |



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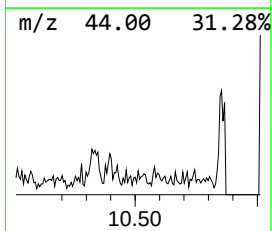
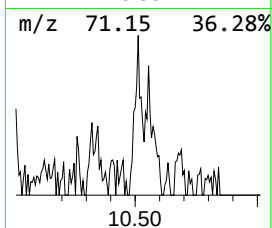
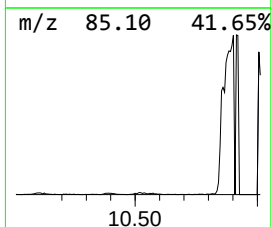
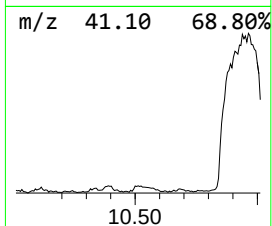
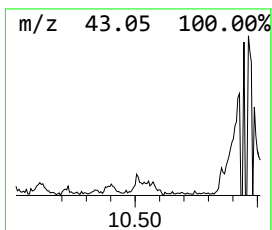
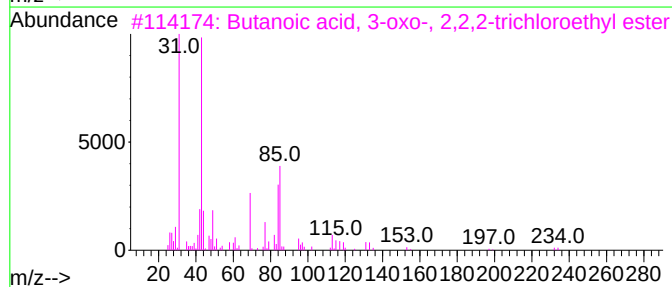
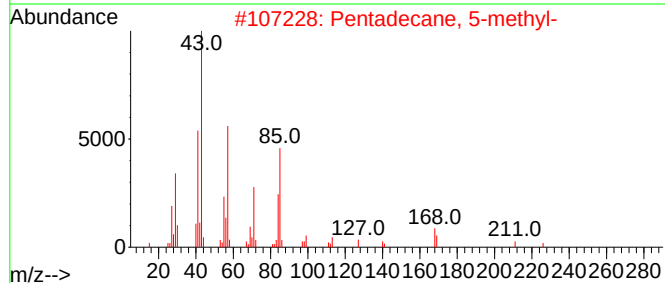
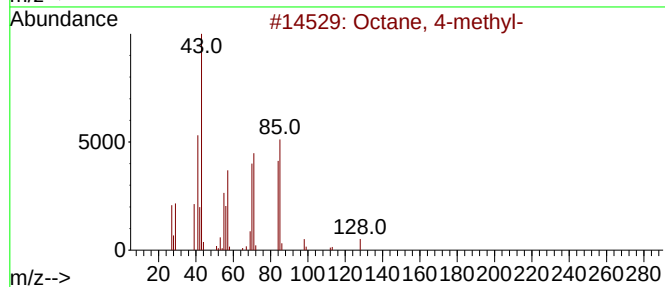
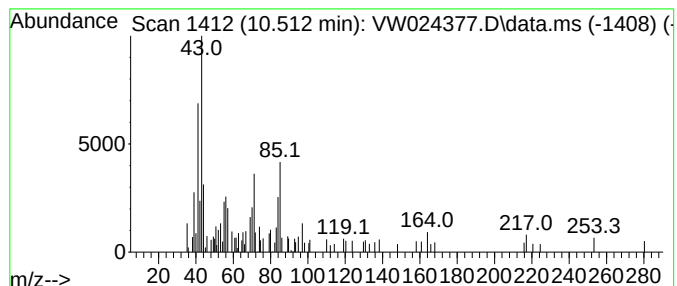
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T.      | EstConc                             | Area  | Relative to ISTD |           | R.T.         |      |
|-----------|-------------------------------------|-------|------------------|-----------|--------------|------|
| 10.512    | 1.66 ug/L                           | 17762 | Chlorobenzene-d5 |           | 11.640       |      |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm   | CAS#         | Qual |
| 1         | Octane, 4-methyl-                   |       | 128              | C9H20     | 002216-34-4  | 43   |
| 2         | Pentadecane, 5-methyl-              |       | 226              | C16H34    | 025117-33-3  | 43   |
| 3         | Butanoic acid, 3-oxo-, 2,2,2-tri... |       | 232              | C6H7Cl3O3 | 058547-15-2  | 43   |
| 4         | Pentane, 3-ethyl-2-methyl-          |       | 114              | C8H18     | 000609-26-7  | 38   |
| 5         | Oxalic acid, hexadecyl hexyl ester  |       | 398              | C24H46O4  | 1010309-25-0 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

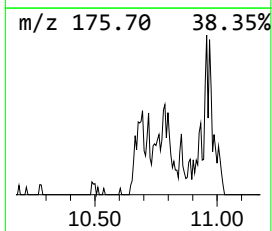
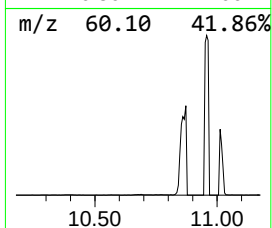
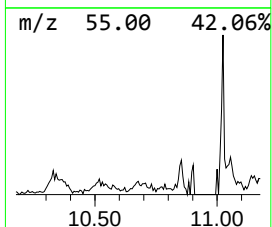
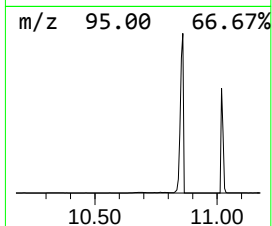
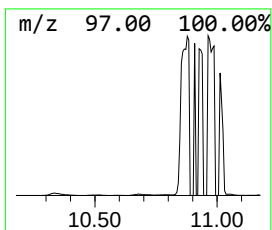
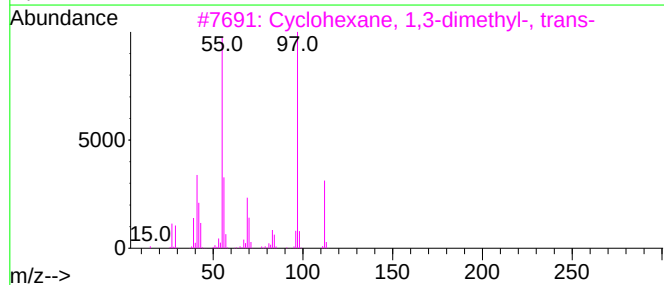
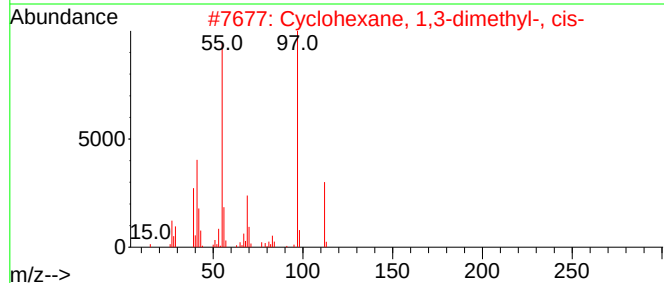
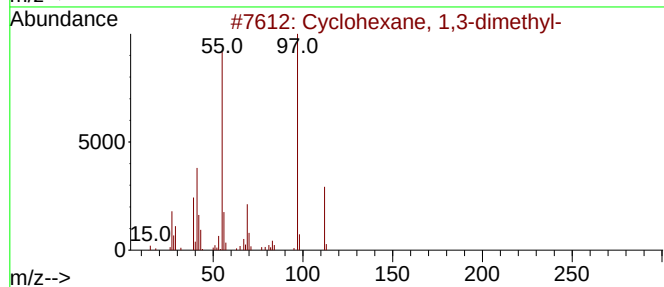
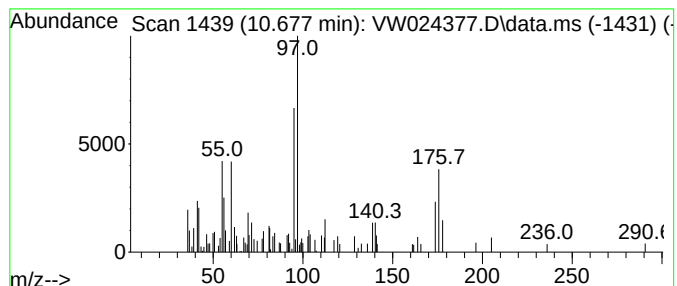
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Quant Title : SFAM01.0

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

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Peak Number 4 (DEL) Alkane: Cyclic10.677 Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 10.677 | 2.68 ug/L | 28680 | Chlorobenzene-d5 | 11.640 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Cyclohexane, 1,3-dimethyl-          | 112 | C8H16     | 000591-21-9 | 14   |
| 2    |    |   | Cyclohexane, 1,3-dimethyl-, cis-    | 112 | C8H16     | 000638-04-0 | 14   |
| 3    |    |   | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16     | 002207-03-6 | 14   |
| 4    |    |   | Cyclohexane, 1,3-dimethyl-, cis-    | 112 | C8H16     | 000638-04-0 | 14   |
| 5    |    |   | Cyclohexanecarboxylic acid, 4-pe... | 292 | C18H25F02 | 079912-83-7 | 10   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

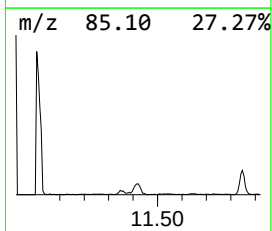
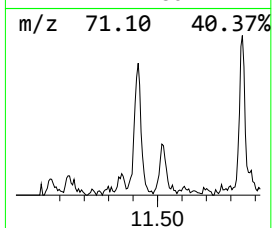
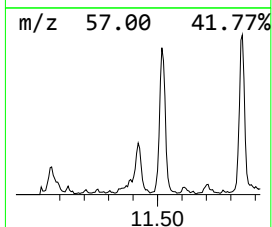
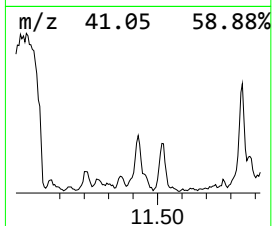
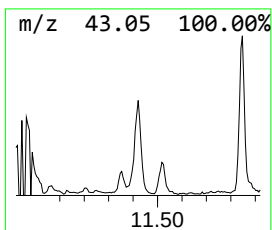
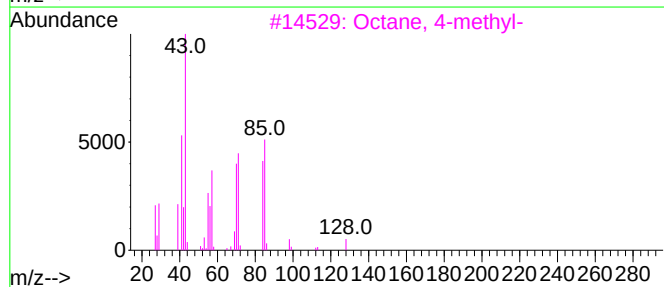
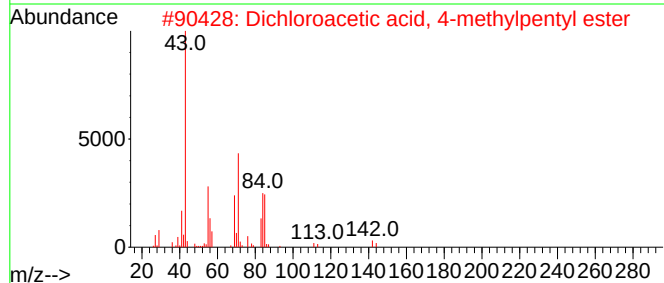
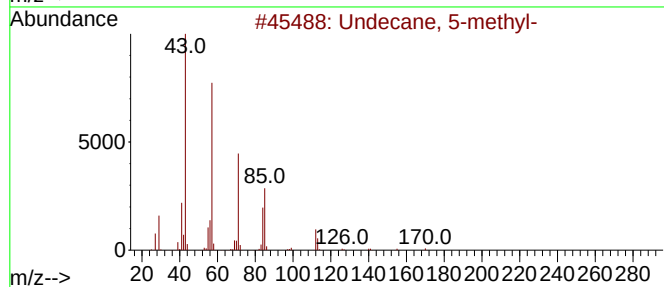
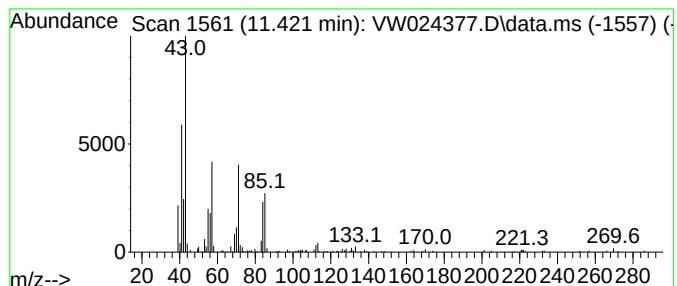
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 11.421    | 17.92 ug/L                          | 191910 | Chlorobenzene-d5 | 11.640       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Undecane, 5-methyl-                 | 170    | C12H26           | 001632-70-8  | 62   |
| 2         | Dichloroacetic acid, 4-methylpen... | 212    | C8H14Cl2O2       | 1000282-43-7 | 59   |
| 3         | Octane, 4-methyl-                   | 128    | C9H20            | 002216-34-4  | 59   |
| 4         | Ether, hexyl pentyl                 | 172    | C11H24O          | 032357-83-8  | 53   |
| 5         | Heptane, 2,4-dimethyl-              | 128    | C9H20            | 002213-23-2  | 52   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

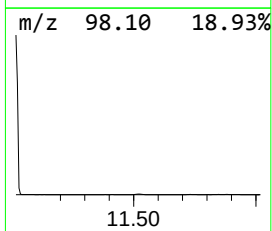
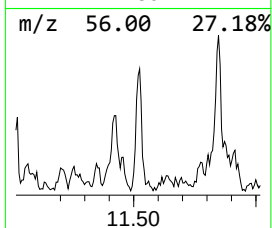
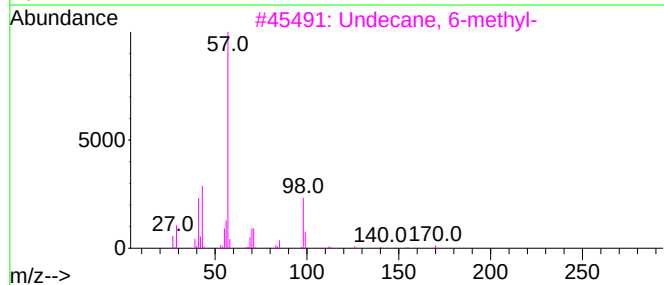
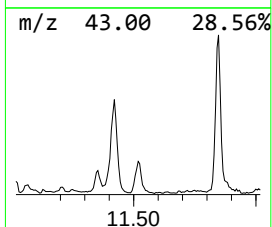
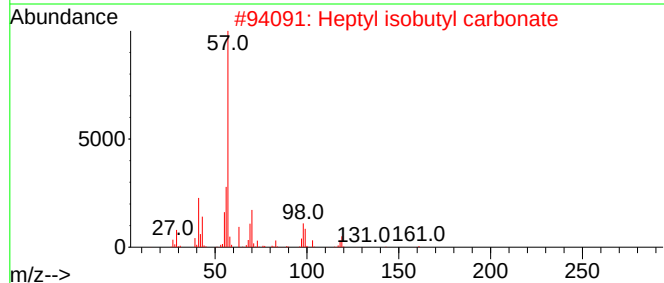
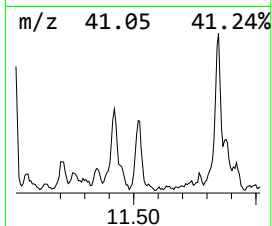
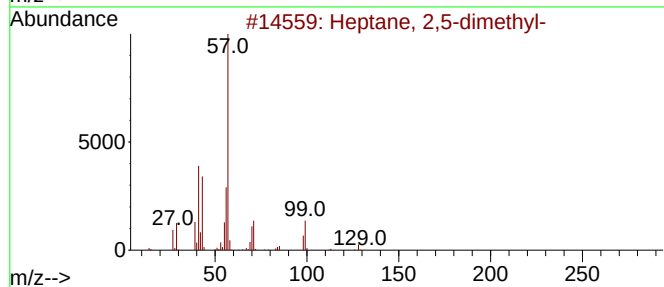
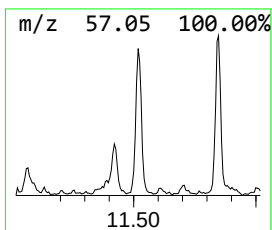
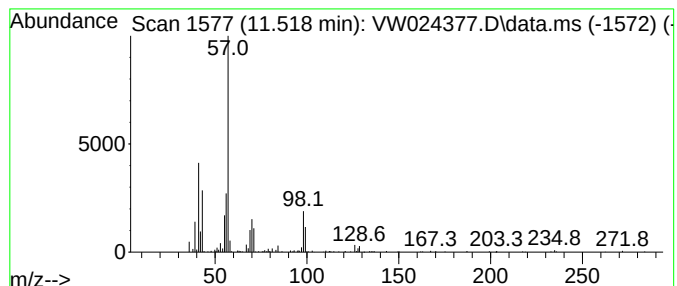
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.518 | 11.01 ug/L | 117875 | Chlorobenzene-d5 | 11.640 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|------|---------------------------|-----|----------|-------------|------|
| 1    |      | Heptane, 2,5-dimethyl-    | 128 | C9H20    | 002216-30-0 | 83   |
| 2    |      | Heptyl isobutyl carbonate | 216 | C12H24O3 | 959068-08-7 | 72   |
| 3    |      | Undecane, 6-methyl-       | 170 | C12H26   | 017302-33-9 | 64   |
| 4    |      | Heptane, 2,5-dimethyl-    | 128 | C9H20    | 002216-30-0 | 64   |
| 5    |      | Octane, 3-methyl-         | 128 | C9H20    | 002216-33-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

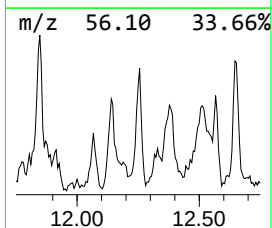
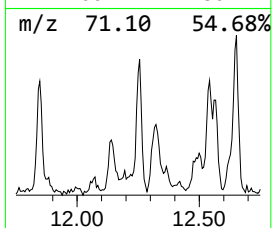
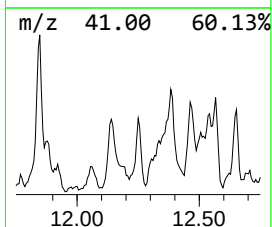
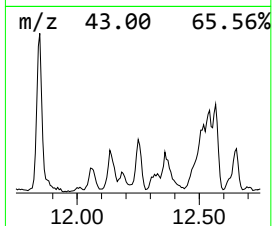
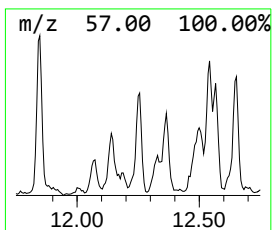
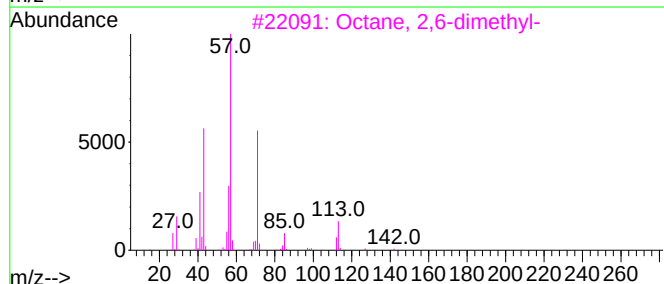
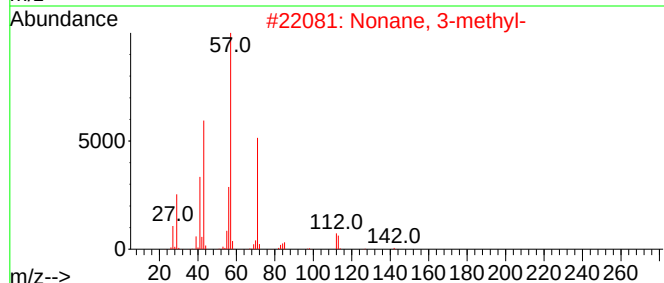
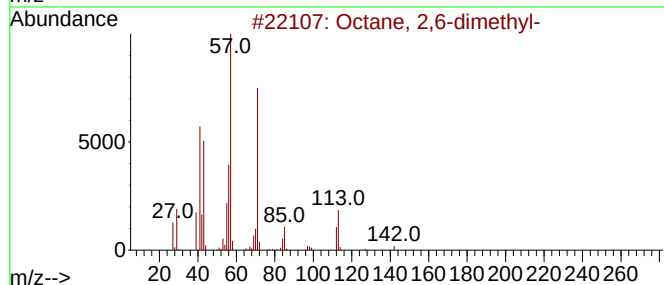
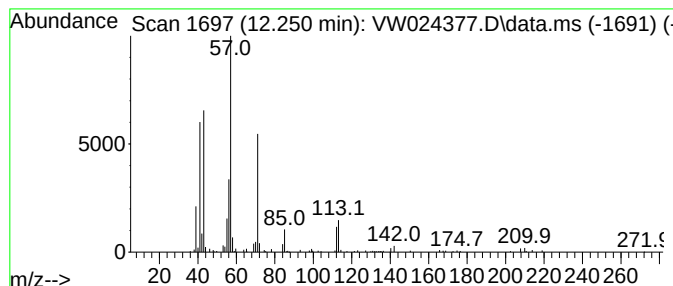
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.250 | 13.92 ug/L | 149006 | Chlorobenzene-d5 | 11.640 |

| Hit# | of                    | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------|---|--------------|-----|---------|-------------|------|
| 1    | Octane, 2,6-dimethyl- |   |              | 142 | C10H22  | 002051-30-1 | 90   |
| 2    | Nonane, 3-methyl-     |   |              | 142 | C10H22  | 005911-04-6 | 87   |
| 3    | Octane, 2,6-dimethyl- |   |              | 142 | C10H22  | 002051-30-1 | 86   |
| 4    | Octane, 2,6-dimethyl- |   |              | 142 | C10H22  | 002051-30-1 | 86   |
| 5    | Nonane, 3-methyl-     |   |              | 142 | C10H22  | 005911-04-6 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

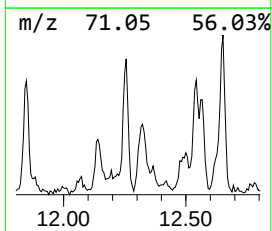
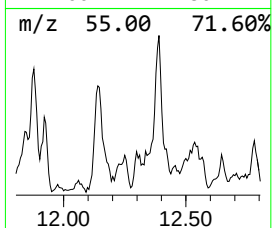
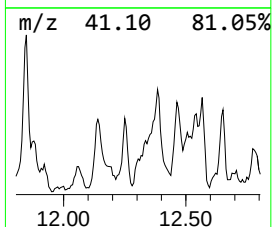
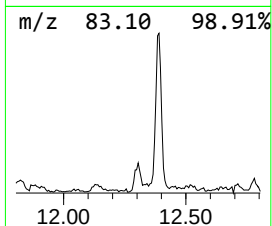
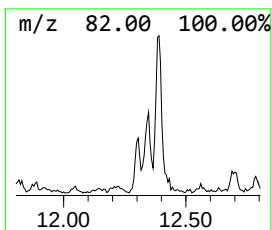
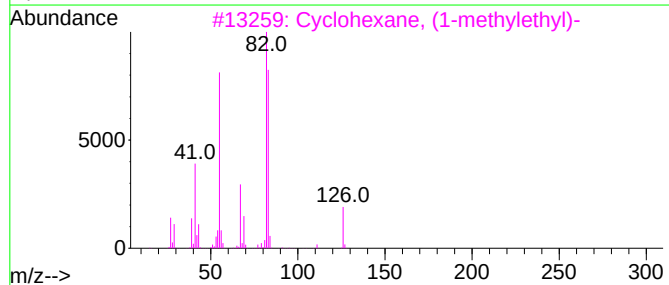
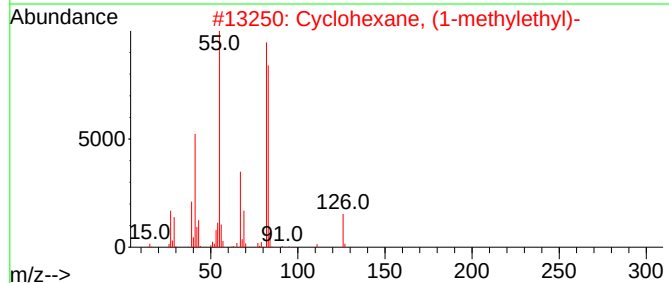
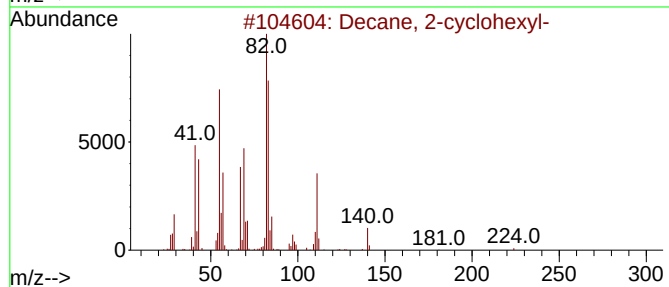
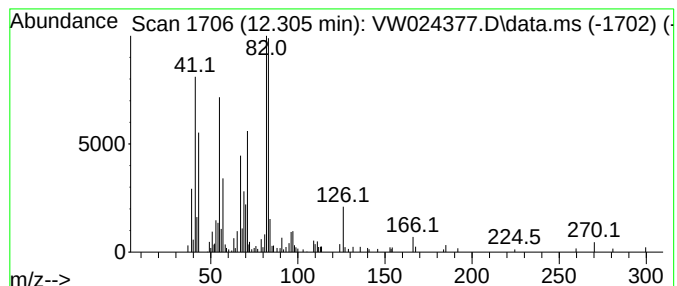
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Cyclic12.305 Concentration Rank 16

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.305 | 3.86 ug/L | 41366 | Chlorobenzene-d5 | 11.640 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Decane, 2-cyclohexyl-         | 224 | C16H32  | 013151-73-0 | 64   |
| 2    |    |   | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 58   |
| 3    |    |   | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 52   |
| 4    |    |   | Dodecylcyclohexane            | 252 | C18H36  | 001795-17-1 | 47   |
| 5    |    |   | 3-Acetyl cyclopentanone       | 140 | C8H12O2 | 075359-72-7 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

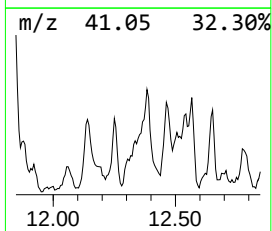
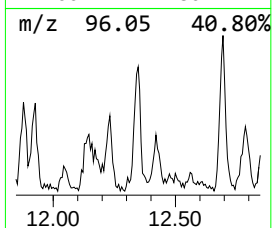
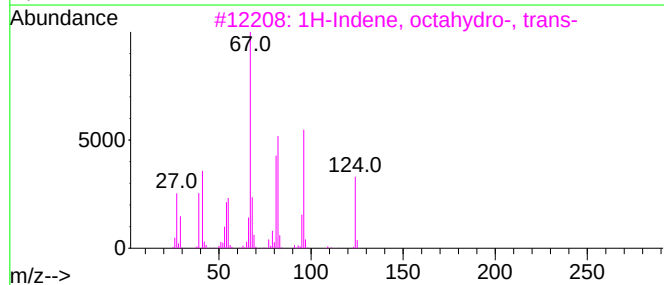
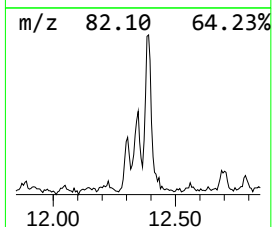
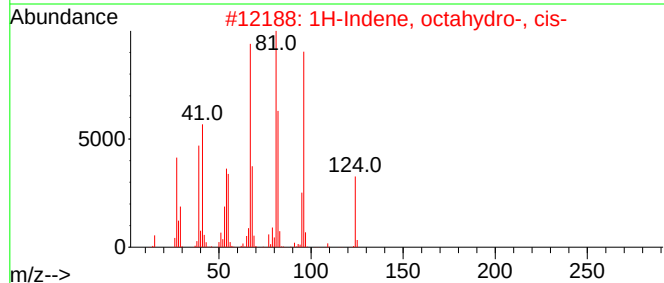
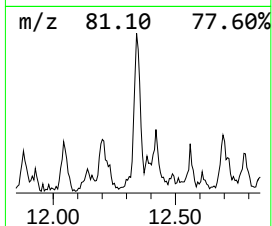
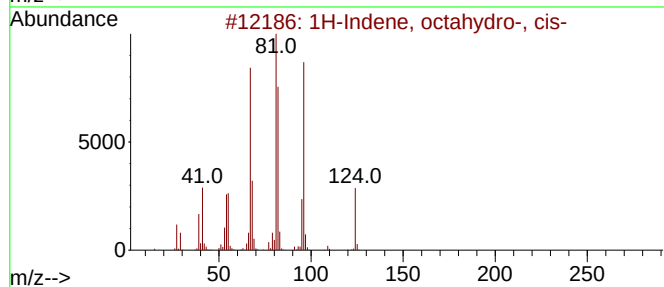
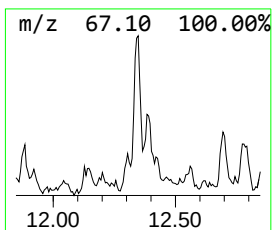
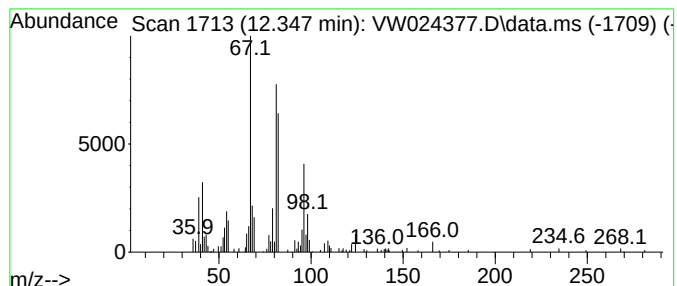
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Quant Title : SFAM01.0

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

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Peak Number 10 1H-Indene, octahydro-, cis- Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.347 | 6.98 ug/L | 74726 | Chlorobenzene-d5 | 11.640 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, octahydro-, cis-    | 124 | C9H16   | 004551-51-3 | 59   |
| 2    |    |   | 1H-Indene, octahydro-, cis-    | 124 | C9H16   | 004551-51-3 | 53   |
| 3    |    |   | 1H-Indene, octahydro-, trans-  | 124 | C9H16   | 003296-50-2 | 50   |
| 4    |    |   | Pentalene, octahydro-2-methyl- | 124 | C9H16   | 003868-64-2 | 46   |
| 5    |    |   | Bicyclo[3.3.1]nonane           | 124 | C9H16   | 000280-65-9 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

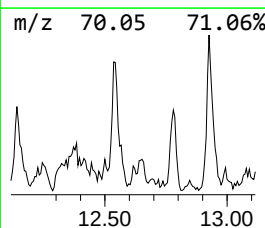
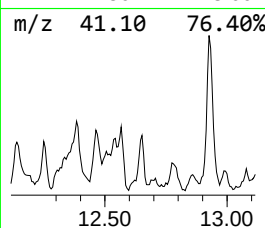
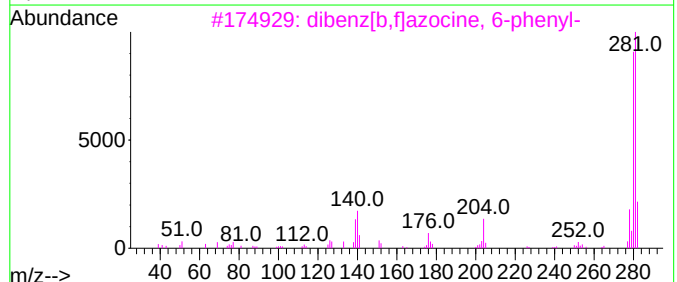
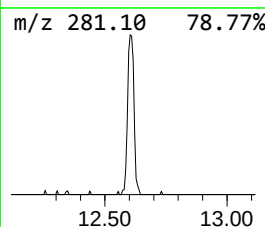
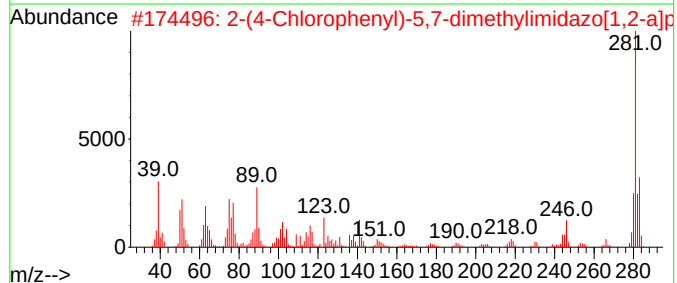
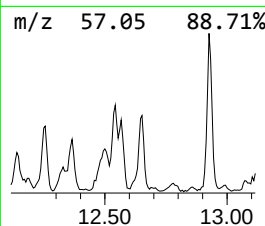
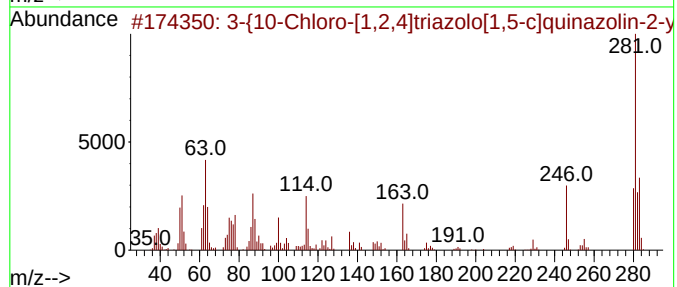
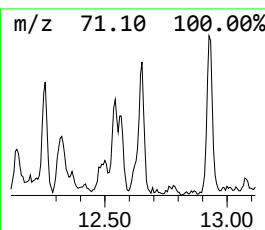
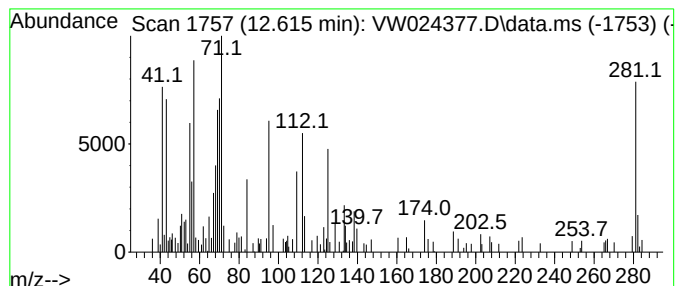
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown-02 Concentration Rank 21

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.615 | 1.69 ug/L | 27760 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of                                  | 5                                 | Tentative ID | MW           | MolForm      | CAS# | Qual |
|------|-------------------------------------|-----------------------------------|--------------|--------------|--------------|------|------|
| 1    | 3                                   | {10-Chloro-[1,2,4]triazolo[1,5... | 281          | C14H8ClN5    | 1000435-68-2 | 25   |      |
| 2    | 2                                   | -(4-Chlorophenyl)-5,7-dimethyl... | 281          | C16H12ClN3   | 1010305-50-9 | 25   |      |
| 3    | dibenz[b,f]azocine, 6-phenyl-       | 281                               | C21H15N      | 1000397-18-9 | 11           |      |      |
| 4    | Butyric acid, thio-, S-pentyl ester | 174                               | C9H18OS      | 002432-53-3  | 11           |      |      |
| 5    | Pyrazol-3(2H)-one, 4-(2-furfuryl... | 281                               | C16H15N3O2   | 092968-42-8  | 11           |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

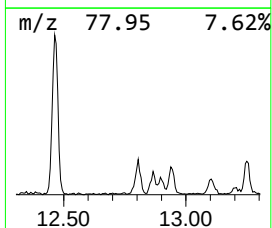
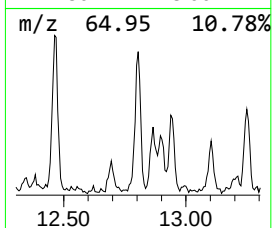
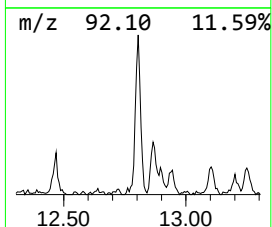
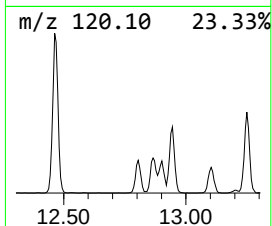
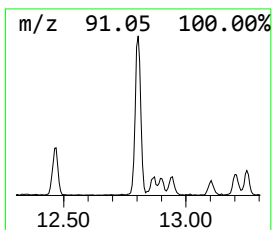
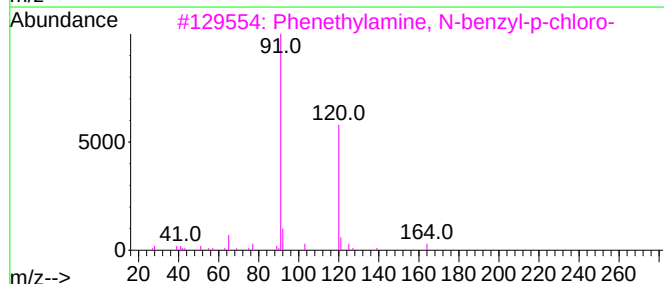
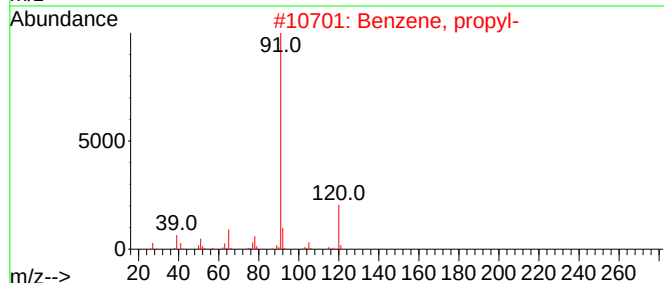
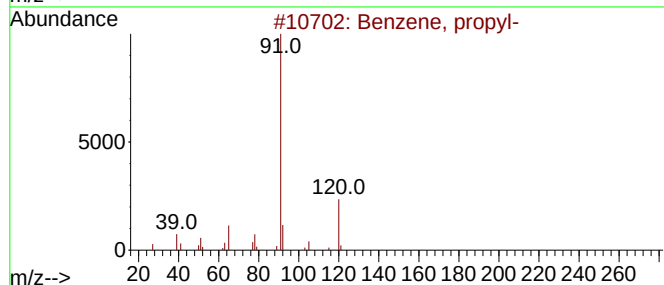
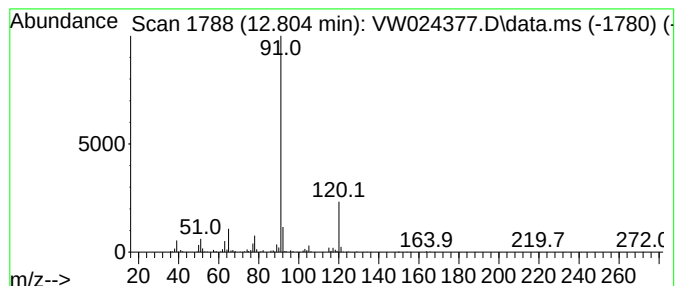
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 12 Benzene, propyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.804 | 17.32 ug/L | 283855 | 1,4-Dichlorobenzene-d4 | 13.554 |

| 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 | 87   |
| 3    |    |   | Phenethylamine, N-benzyl-p-chloro- | 245 | C15H16ClN | 013622-43-0 | 78   |
| 4    |    |   | Ethanol, 2-[(phenylmethyl)amino]-  | 151 | C9H13NO   | 000104-63-2 | 78   |
| 5    |    |   | Ethanol, 2-[(phenylmethyl)amino]-  | 151 | C9H13NO   | 000104-63-2 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

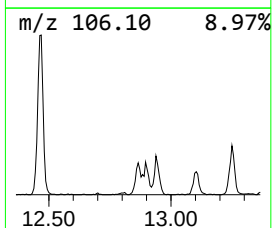
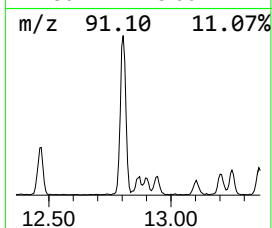
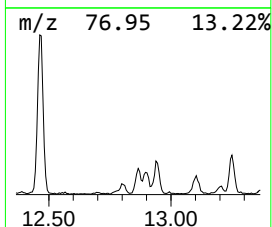
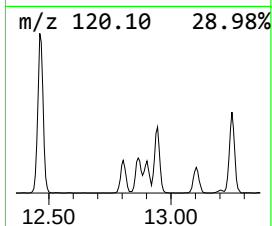
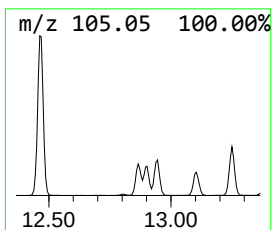
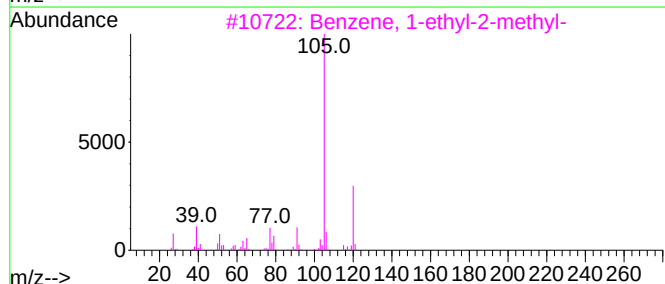
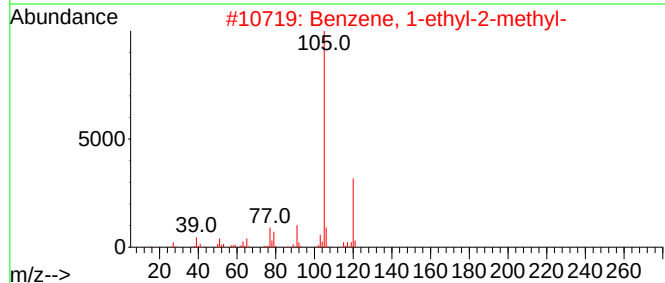
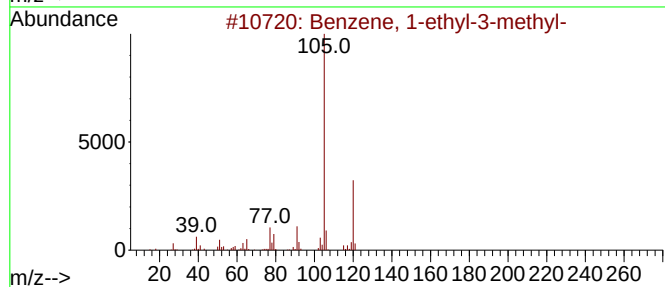
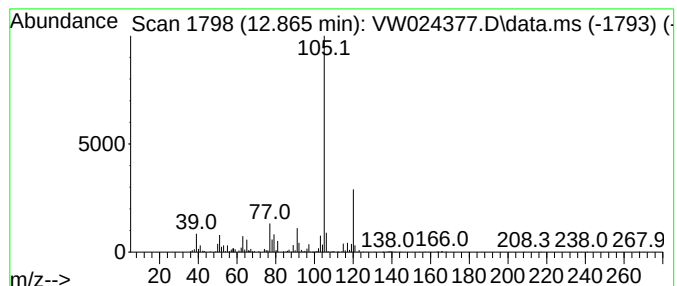
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Quant Title : SFAM01.0

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.865 | 16.39 ug/L | 268605 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 3    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 4    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

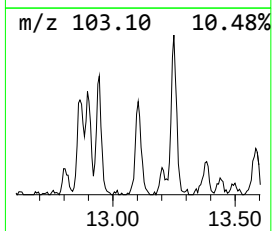
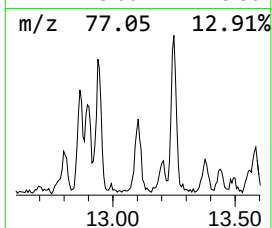
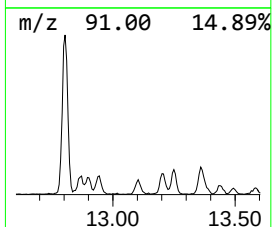
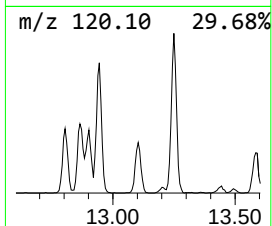
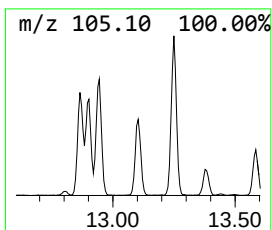
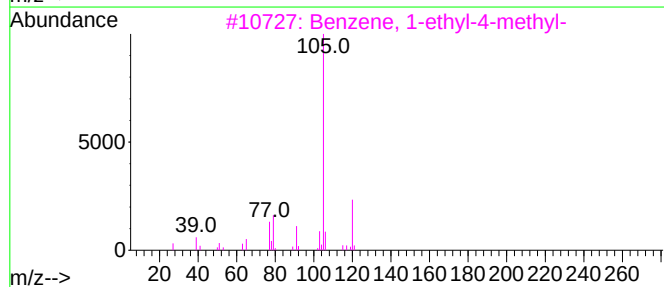
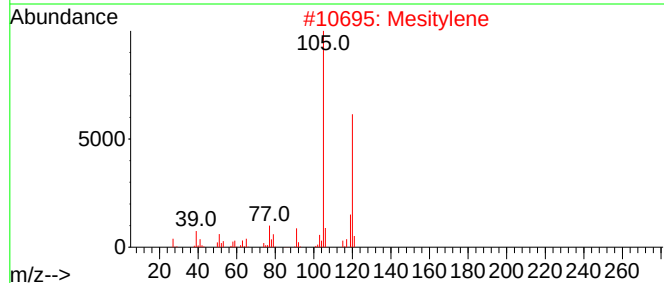
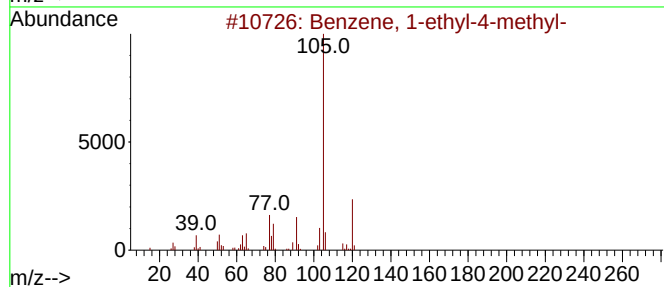
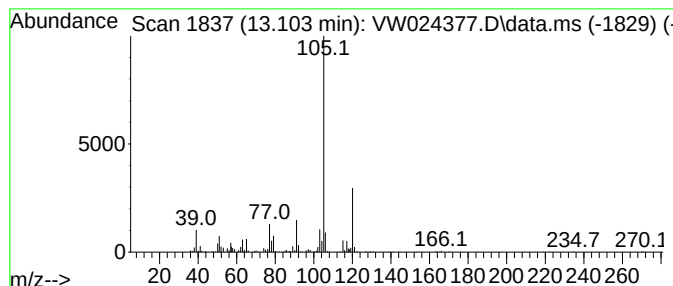
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Quant Title : SFAM01.0

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

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Peak Number 14 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.103 | 15.36 ug/L | 251730 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 2    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

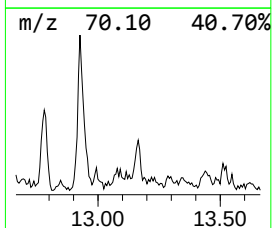
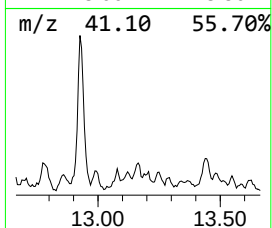
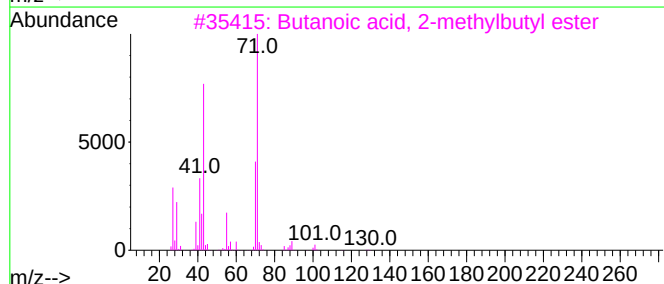
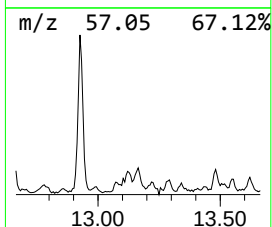
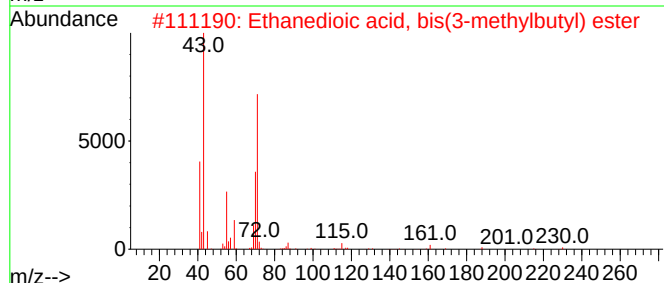
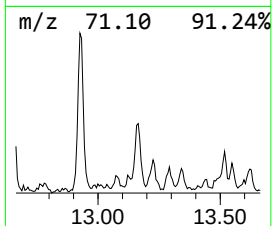
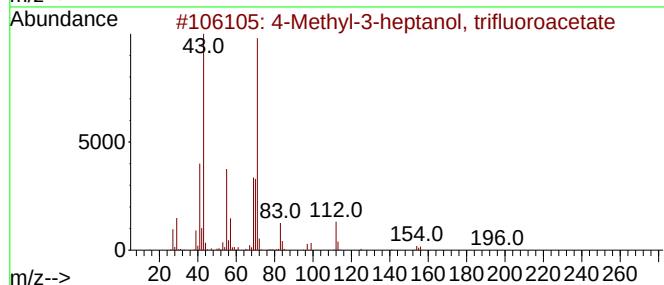
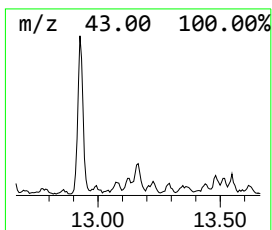
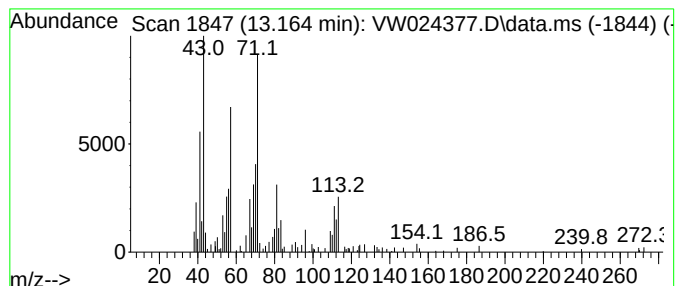
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Quant Title : SFAM01.0

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

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Peak Number 15 unknown-03 Concentration Rank 19

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.164 | 2.20 ug/L | 35985 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4-Methyl-3-heptanol, trifluoroac... | 226 | C10H17F3O2 | 1000365-51-8 | 43   |
| 2    |    |   | Ethanedioic acid, bis(3-methylbu... | 230 | C12H22O4   | 002051-00-5  | 38   |
| 3    |    |   | Butanoic acid, 2-methylbutyl ester  | 158 | C9H18O2    | 051115-64-1  | 38   |
| 4    |    |   | Octane, 2-bromo-                    | 192 | C8H17Br    | 000557-35-7  | 35   |
| 5    |    |   | Butanoic acid, 2-methyl-5-oxo-1-... | 182 | C10H14O3   | 068227-51-0  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

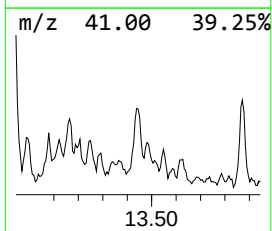
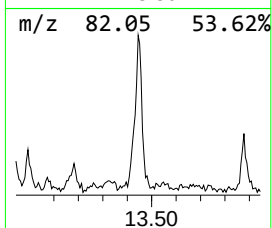
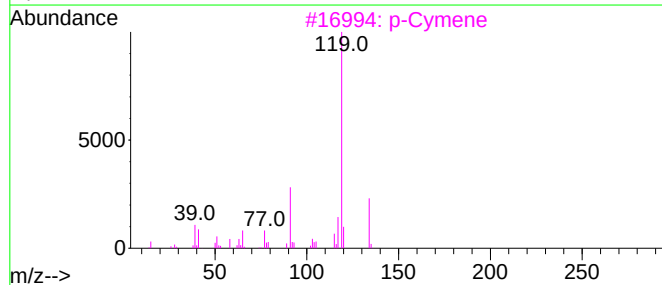
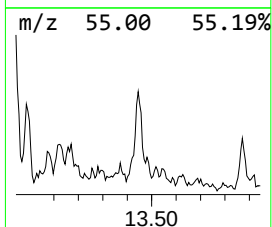
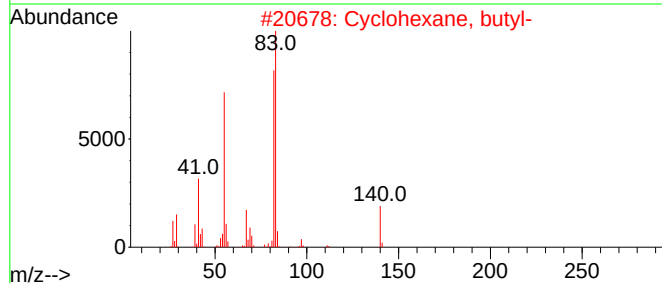
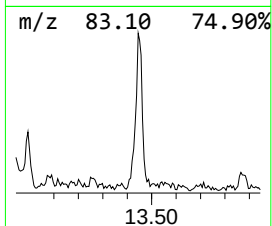
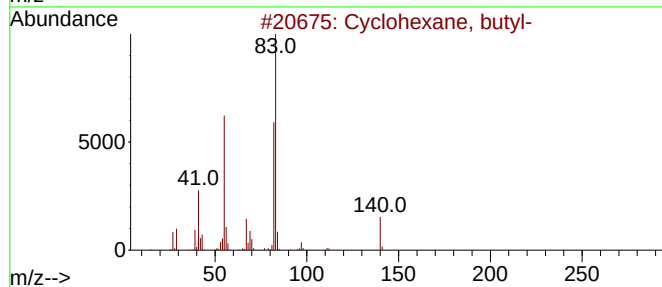
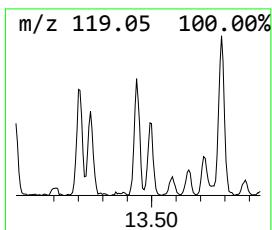
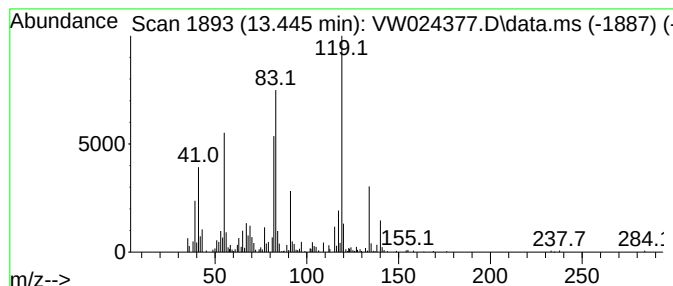
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 16 (DEL) Alkane: Cyclic13.445 Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.445 | 8.89 ug/L | 145686 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexane, butyl-   | 140 | C10H20  | 001678-93-9 | 86   |
| 2    |      | Cyclohexane, butyl-   | 140 | C10H20  | 001678-93-9 | 86   |
| 3    |      | p-Cymene              | 134 | C10H14  | 000099-87-6 | 86   |
| 4    |      | Cyclohexane, undecyl- | 238 | C17H34  | 054105-66-7 | 60   |
| 5    |      | Cyclohexane, butyl-   | 140 | C10H20  | 001678-93-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

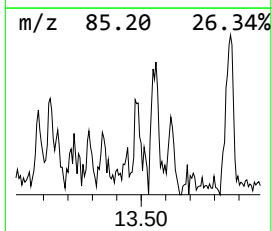
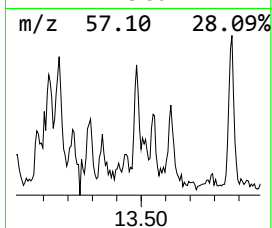
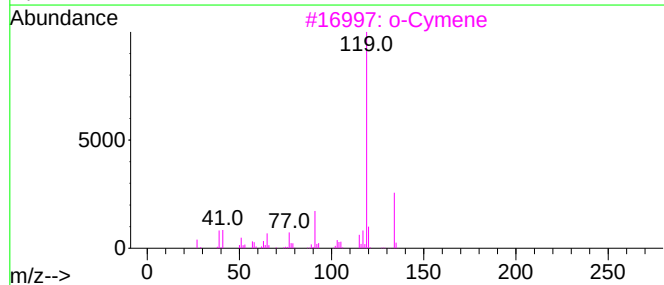
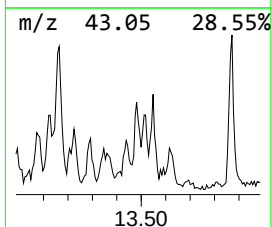
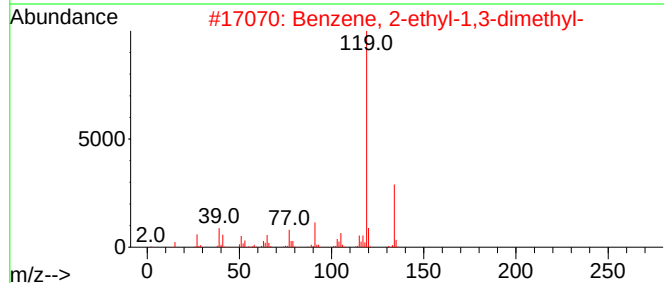
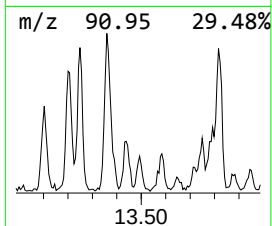
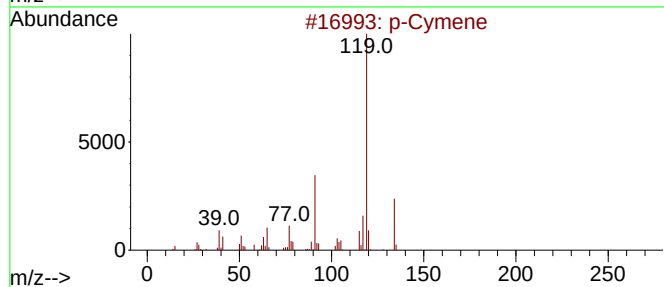
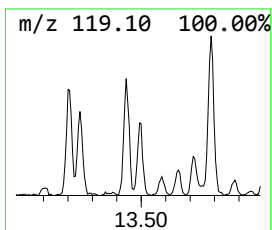
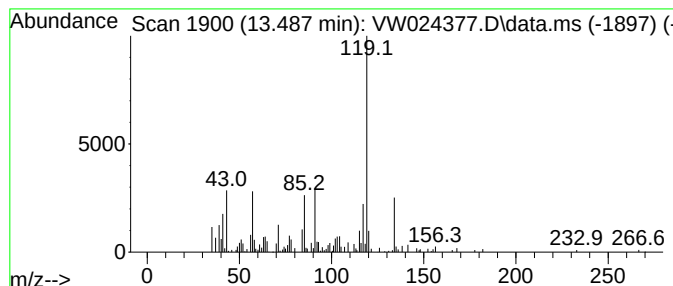
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 17 p-Cymene Concentration Rank 15

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.487 | 3.95 ug/L | 64721 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------|-----|---------|-------------|------|
| 1    |      | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 70   |
| 2    |      | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 64   |
| 3    |      | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 64   |
| 4    |      | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 64   |
| 5    |      | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

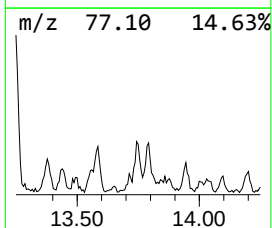
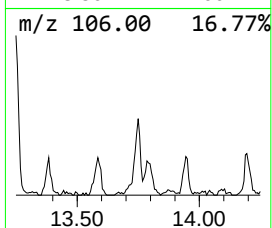
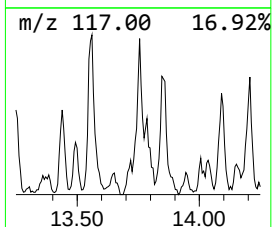
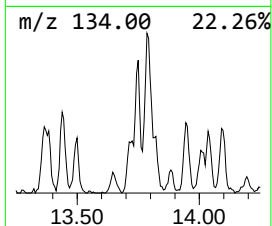
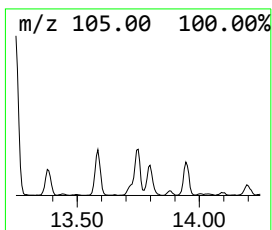
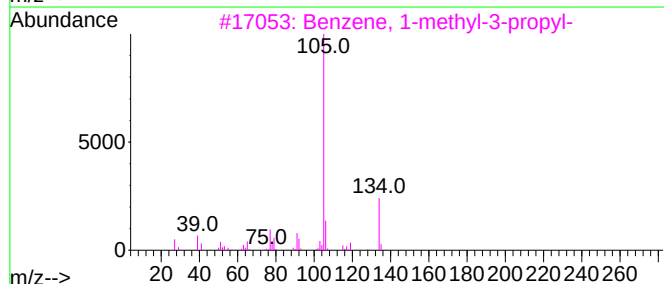
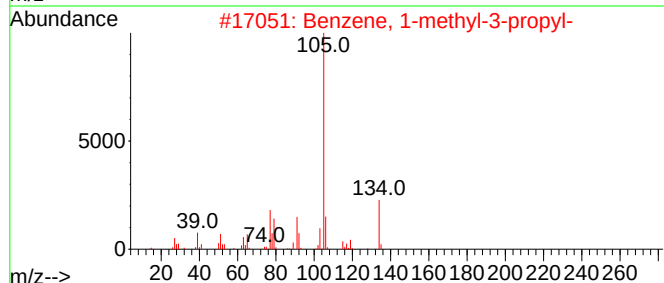
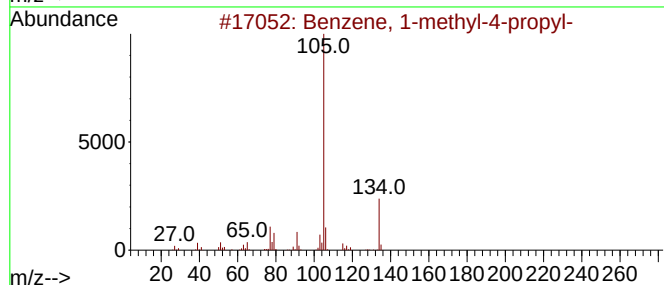
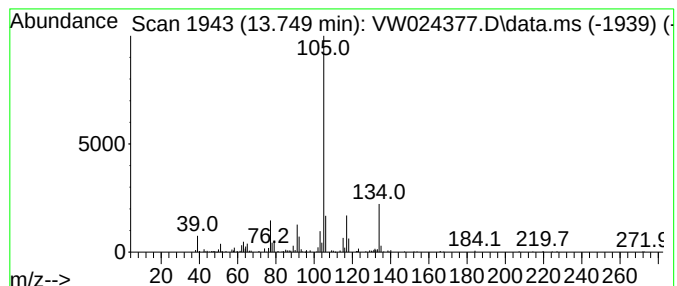
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 18 Benzene, 1-methyl-4-propyl- Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.749 | 3.98 ug/L | 65149 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 83   |
| 2    |    |   | Benzene, 1-methyl-3-propyl- | 134 | C10H14  | 001074-43-7 | 81   |
| 3    |    |   | Benzene, 1-methyl-3-propyl- | 134 | C10H14  | 001074-43-7 | 74   |
| 4    |    |   | Benzene, (1-methylpropyl)-  | 134 | C10H14  | 000135-98-8 | 72   |
| 5    |    |   | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

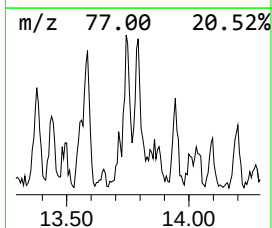
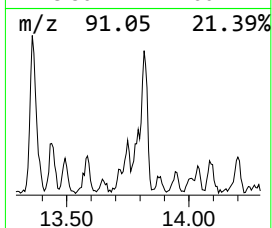
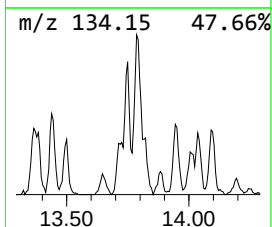
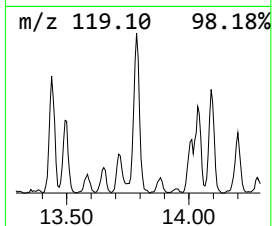
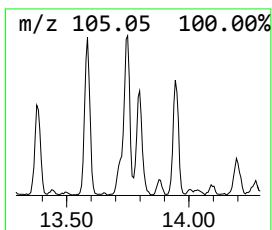
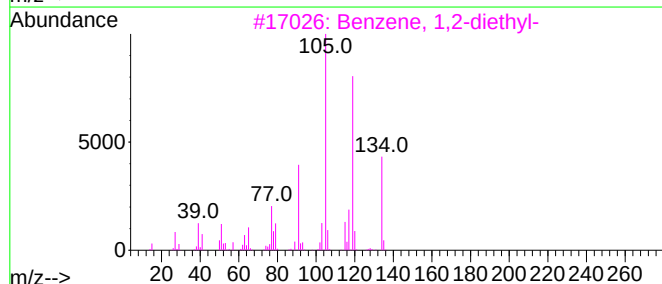
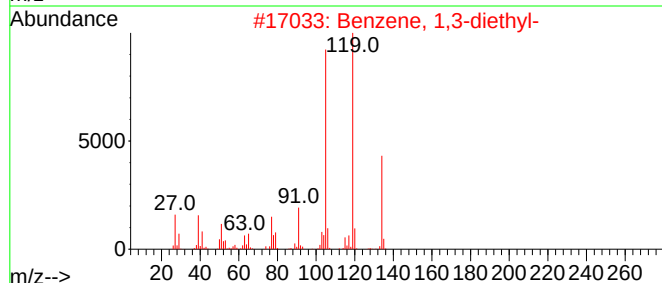
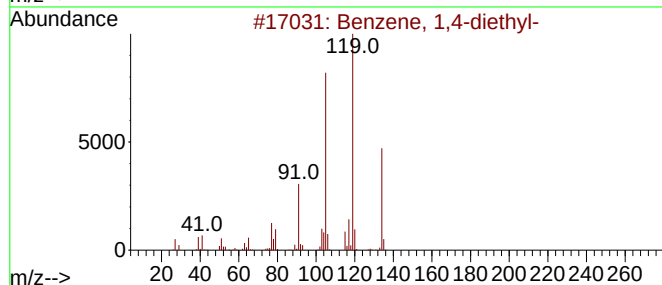
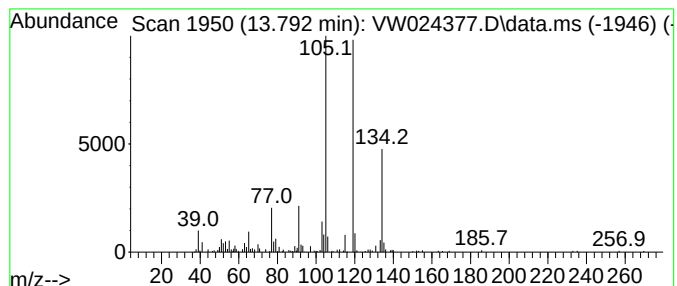
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Quant Title : SFAM01.0

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

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Peak Number 19 Benzene, 1,4-diethyl- Concentration Rank 11

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.792 | 5.49 ug/L | 89973 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 91   |
| 2    |    |   | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 91   |
| 3    |    |   | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 86   |
| 4    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 83   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

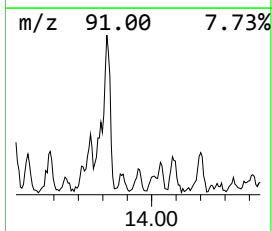
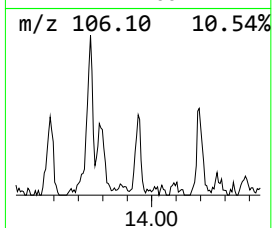
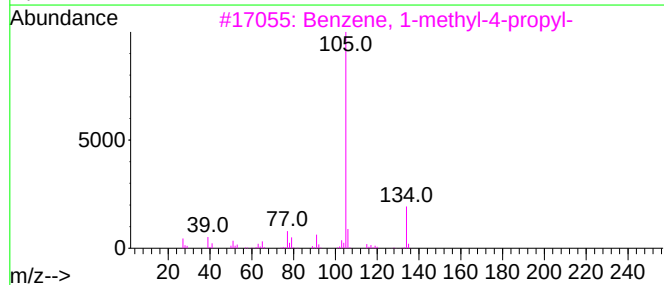
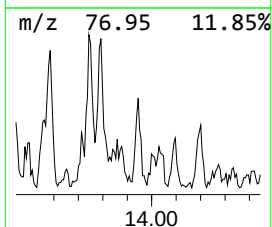
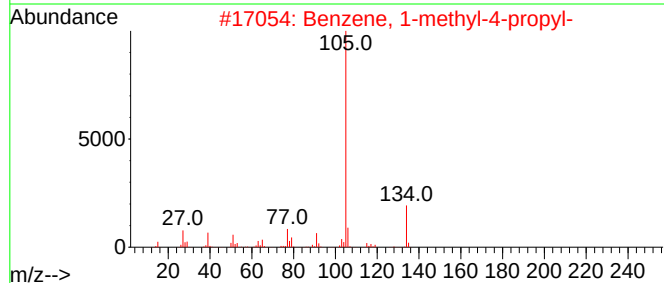
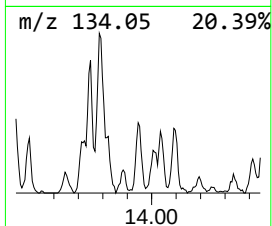
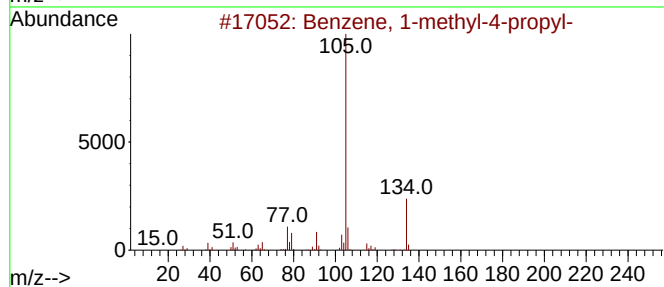
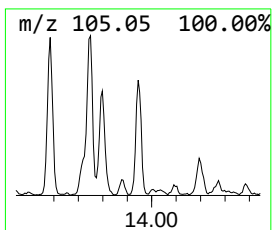
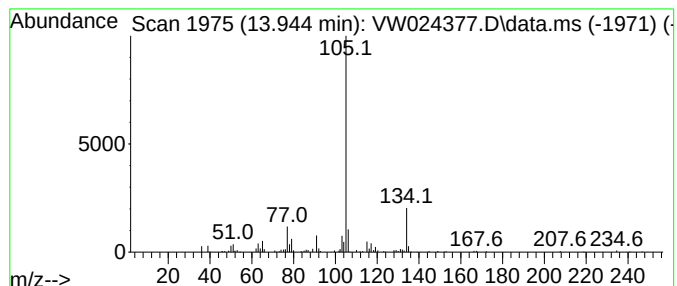
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Quant Title : SFAM01.0

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

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Peak Number 20 Benzene, (1-methylpropyl)- Concentration Rank 17

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.945 | 3.68 ug/L | 60345 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 87   |
| 2    |    |   | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 87   |
| 3    |    |   | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 83   |
| 4    |    |   | Benzene, (1-methylpropyl)-  | 134 | C10H14  | 000135-98-8 | 83   |
| 5    |    |   | Oxirane, 2-methyl-2-phenyl- | 134 | C9H10O  | 002085-88-3 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

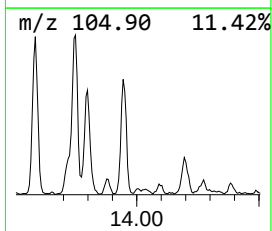
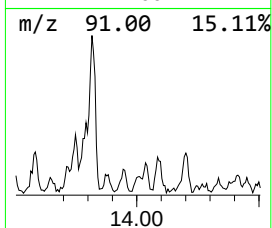
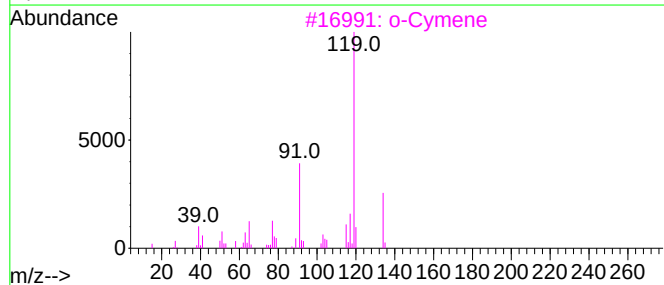
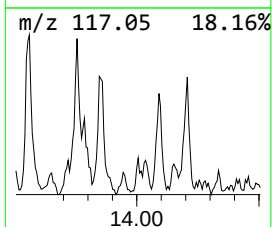
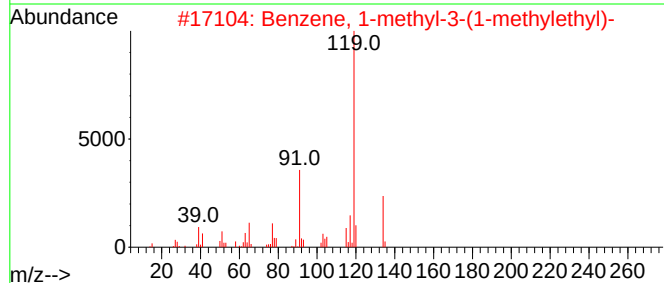
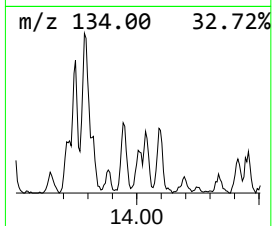
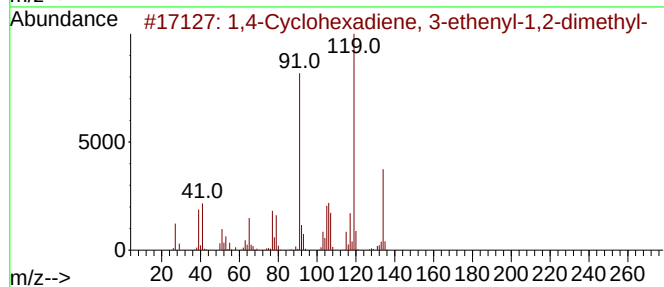
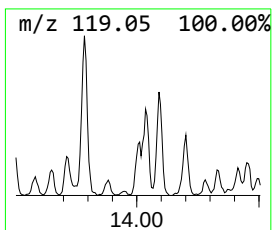
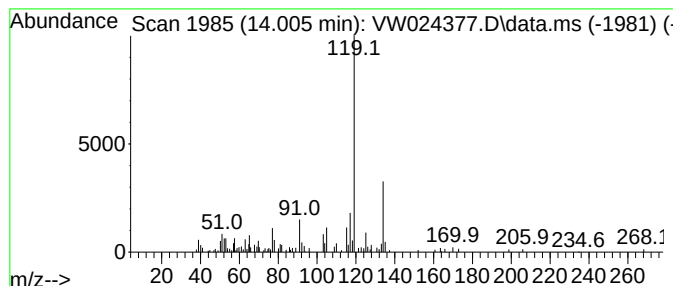
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Quant Title : SFAM01.0

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

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Peak Number 21 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 22

| R.T.      | EstConc                             | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|---------|-------------|------|
| 14.005    | 1.69 ug/L                           | 27674 | 1,4-Dichlorobenzene-d4 |         | 13.554      |      |
| Hit# of 5 | Tentative ID                        |       | MW                     | MolForm | CAS#        | Qual |
| 1         | 1,4-Cyclohexadiene, 3-ethenyl-1,... |       | 134                    | C10H14  | 062338-57-2 | 90   |
| 2         | Benzene, 1-methyl-3-(1-methyleth... |       | 134                    | C10H14  | 000535-77-3 | 87   |
| 3         | o-Cymene                            |       | 134                    | C10H14  | 000527-84-4 | 87   |
| 4         | Benzene, 2-ethyl-1,4-dimethyl-      |       | 134                    | C10H14  | 001758-88-9 | 87   |
| 5         | Benzene, 1-ethyl-2,3-dimethyl-      |       | 134                    | C10H14  | 000933-98-2 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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

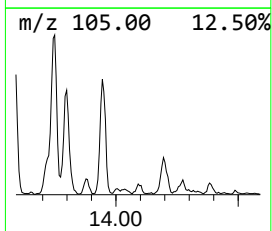
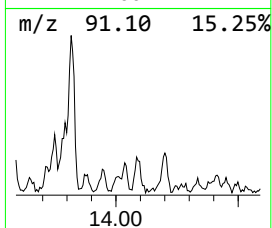
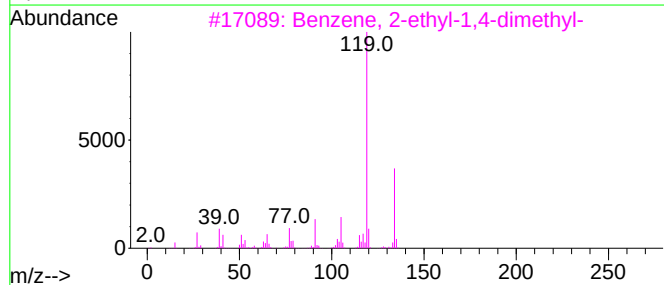
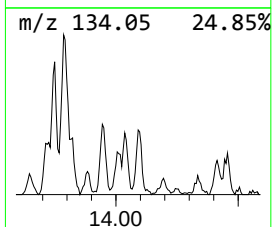
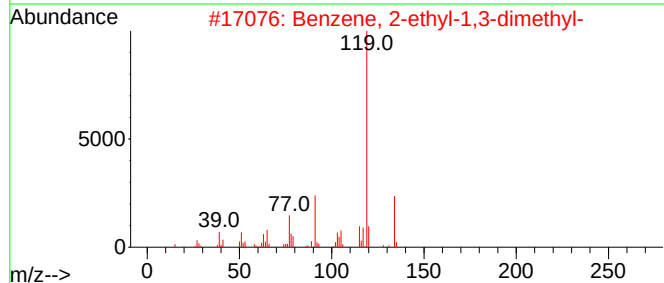
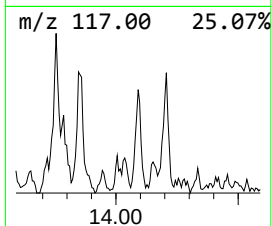
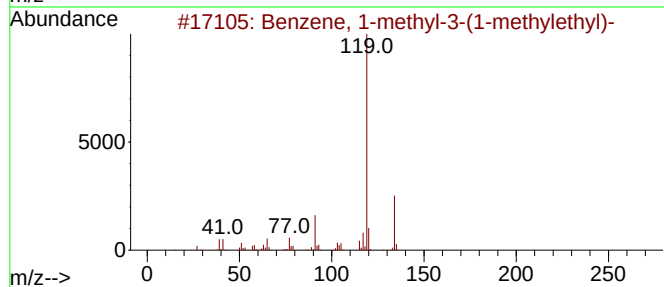
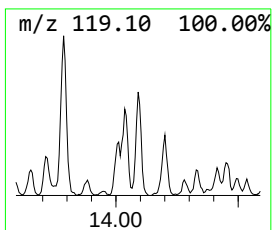
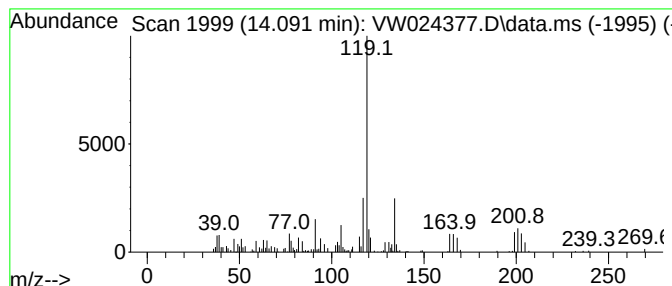
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Peak Number 22 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.091 | 5.38 ug/L | 88118 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 64   |
| 2    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 64   |
| 3    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 64   |
| 4    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 64   |
| 5    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

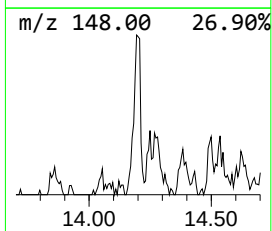
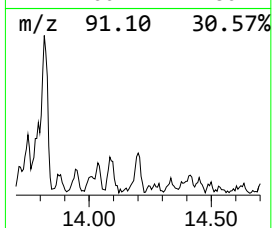
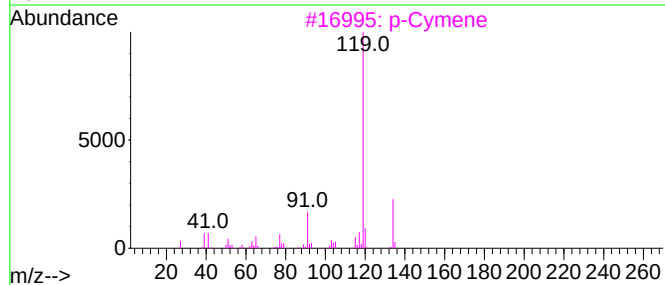
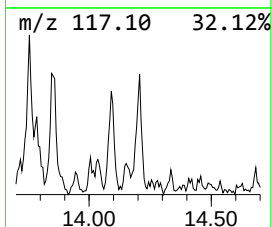
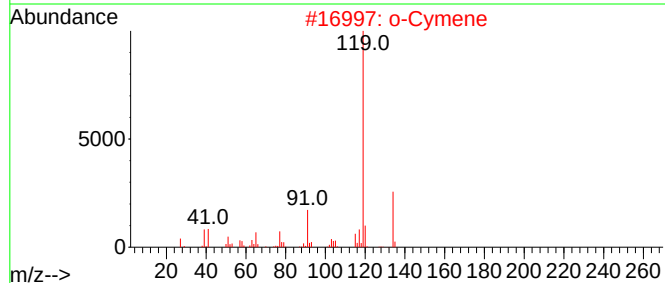
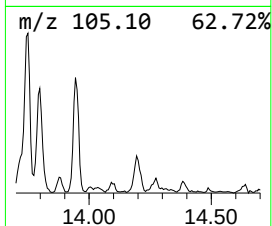
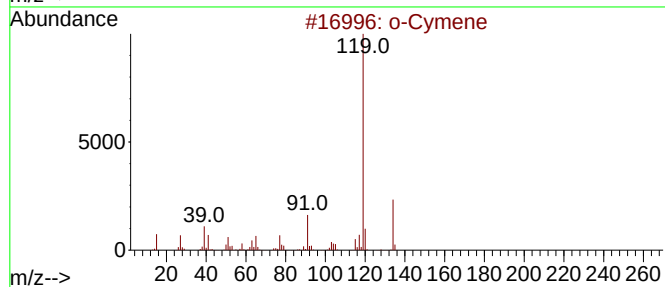
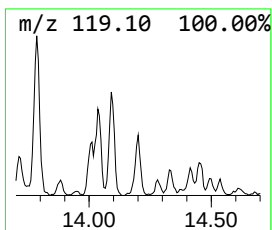
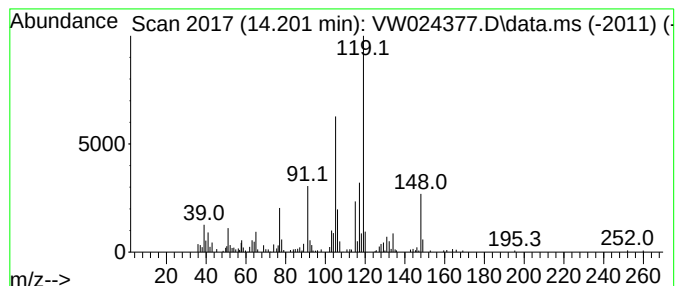
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 23 o-Cymene Concentration Rank 13

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.201 | 4.17 ug/L | 68382 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |
| 2    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |
| 3    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 52   |
| 4    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 52   |
| 5    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

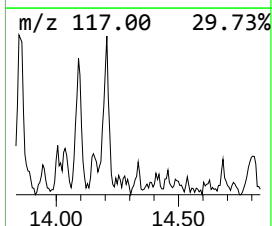
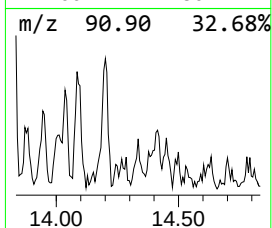
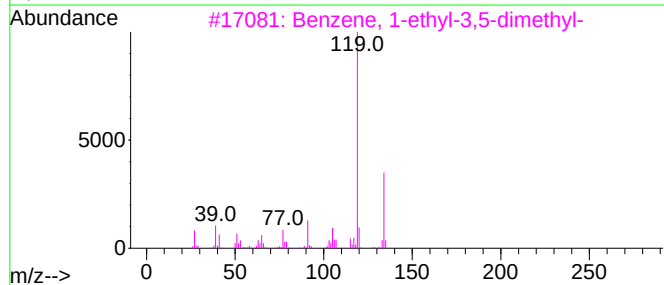
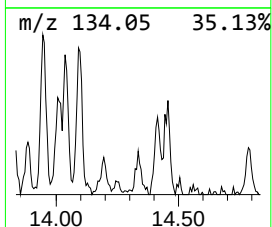
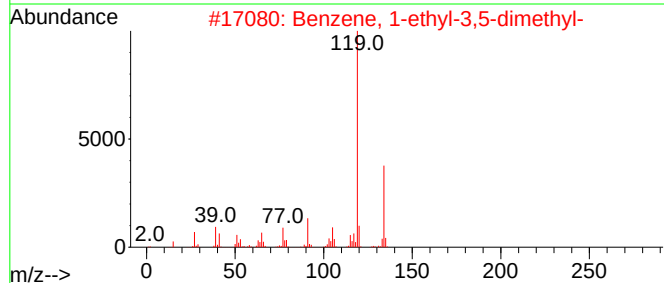
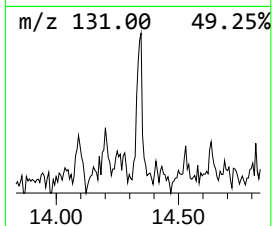
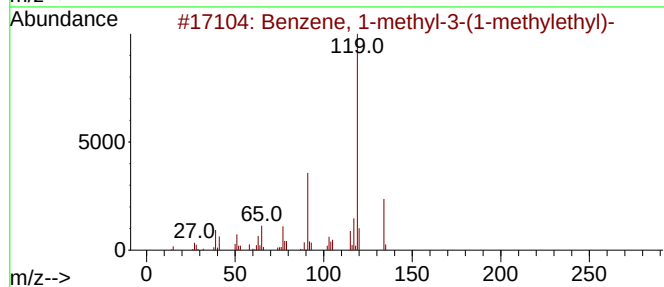
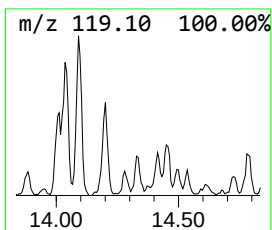
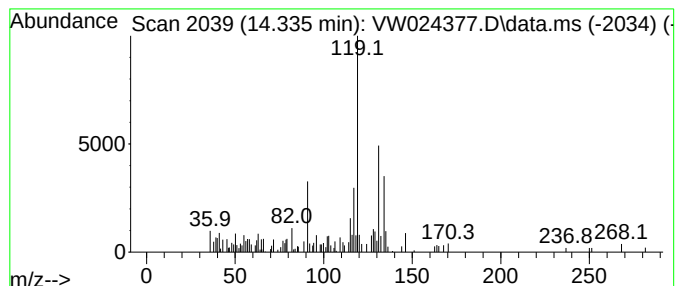
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Quant Title : SFAM01.0

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

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Peak Number 24 unknown-04 Concentration Rank 24

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.335 | 1.47 ug/L | 24074 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 46   |
| 2    |    |   | Benzene, 1-ethyl-3,5-dimethyl-       | 134 | C10H14  | 000934-74-7 | 43   |
| 3    |    |   | Benzene, 1-ethyl-3,5-dimethyl-       | 134 | C10H14  | 000934-74-7 | 43   |
| 4    |    |   | Benzene, tert-butyl-                 | 134 | C10H14  | 000098-06-6 | 43   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl-       | 134 | C10H14  | 002870-04-4 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
Data File : VW024377.D  
Acq On : 27 Aug 2022 04:07  
Operator : SY/VA  
Sample : N4345-01  
Misc : 5.83g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBVS1

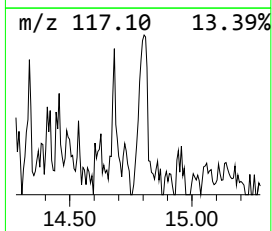
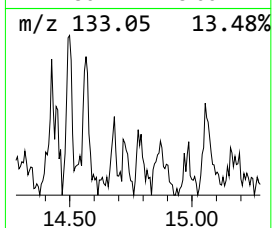
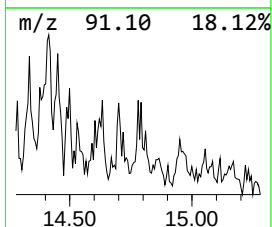
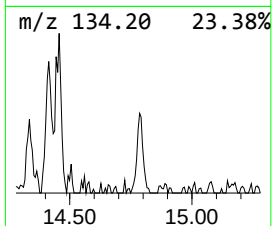
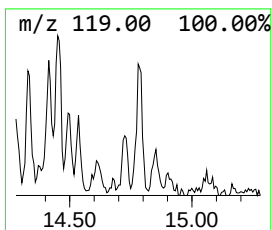
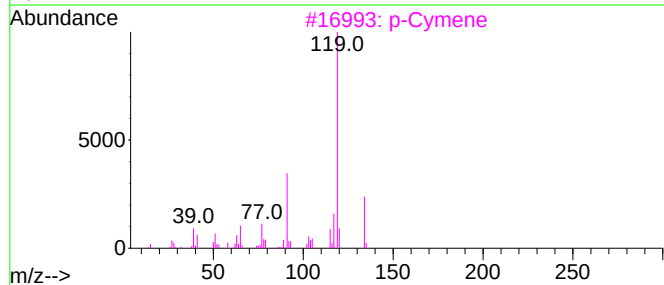
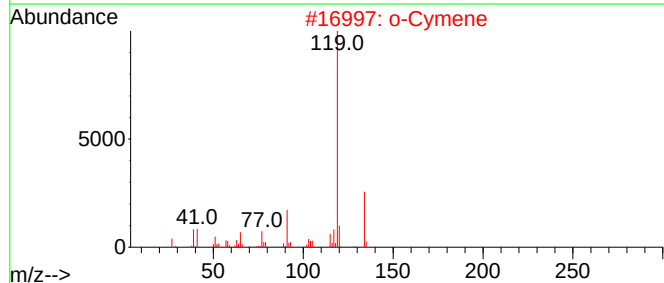
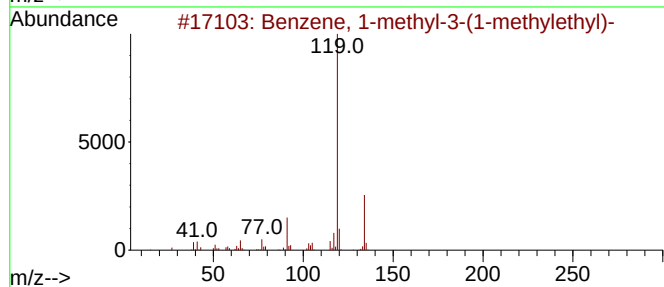
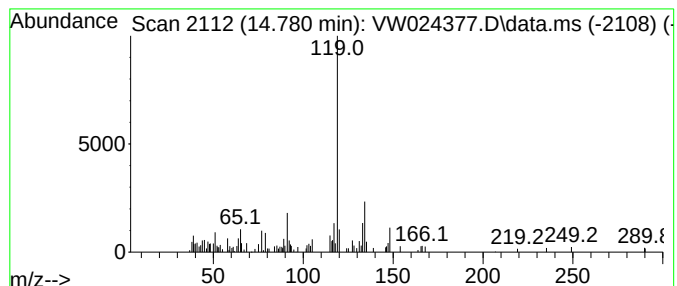
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 25 unknown-05 Concentration Rank 20

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.780 | 1.79 ug/L | 29391 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 76   |
| 2    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 76   |
| 3    |    |   | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 76   |
| 4    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 76   |
| 5    |    |   | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
 Data File : VW024377.D  
 Acq On : 27 Aug 2022 04:07  
 Operator : SY/VA  
 Sample : N4345-01  
 Misc : 5.83g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBVS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.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 |
| unknown-01         | 2.258  | 9.0     | ug/L  | 76915    | 1                     | 8.842  | 213519 | 25.0 |
| (DEL) Alkane: S... | 10.512 | 1.7     | ug/L  | 17762    | 2                     | 11.640 | 267672 | 25.0 |
| (DEL) Alkane: C... | 10.677 | 2.7     | ug/L  | 28680    | 2                     | 11.640 | 267672 | 25.0 |
| (DEL) Alkane: S... | 11.421 | 17.9    | ug/L  | 191910   | 2                     | 11.640 | 267672 | 25.0 |
| (DEL) Alkane: S... | 11.518 | 11.0    | ug/L  | 117875   | 2                     | 11.640 | 267672 | 25.0 |
| (DEL) Alkane: S... | 12.250 | 13.9    | ug/L  | 149006   | 2                     | 11.640 | 267672 | 25.0 |
| (DEL) Alkane: C... | 12.305 | 3.9     | ug/L  | 41366    | 2                     | 11.640 | 267672 | 25.0 |
| 1H-Indene, octa... | 12.347 | 7.0     | ug/L  | 74726    | 2                     | 11.640 | 267672 | 25.0 |
| unknown-02         | 12.615 | 1.7     | ug/L  | 27760    | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, propyl-   | 12.804 | 17.3    | ug/L  | 283855   | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, 1-ethy... | 12.865 | 16.4    | ug/L  | 268605   | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, 1-ethy... | 13.103 | 15.4    | ug/L  | 251730   | 3                     | 13.554 | 409737 | 25.0 |
| unknown-03         | 13.164 | 2.2     | ug/L  | 35985    | 3                     | 13.554 | 409737 | 25.0 |
| (DEL) Alkane: C... | 13.445 | 8.9     | ug/L  | 145686   | 3                     | 13.554 | 409737 | 25.0 |
| p-Cymene           | 13.487 | 4.0     | ug/L  | 64721    | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, 1-meth... | 13.749 | 4.0     | ug/L  | 65149    | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, 1,4-di... | 13.792 | 5.5     | ug/L  | 89973    | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, (1-met... | 13.945 | 3.7     | ug/L  | 60345    | 3                     | 13.554 | 409737 | 25.0 |
| 1,4-Cyclohexadi... | 14.005 | 1.7     | ug/L  | 27674    | 3                     | 13.554 | 409737 | 25.0 |
| Benzene, 1-meth... | 14.091 | 5.4     | ug/L  | 88118    | 3                     | 13.554 | 409737 | 25.0 |
| o-Cymene           | 14.201 | 4.2     | ug/L  | 68382    | 3                     | 13.554 | 409737 | 25.0 |
| unknown-04         | 14.335 | 1.5     | ug/L  | 24074    | 3                     | 13.554 | 409737 | 25.0 |
| unknown-05         | 14.780 | 1.8     | ug/L  | 29391    | 3                     | 13.554 | 409737 | 25.0 |