

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
 Data File : VW020876.D  
 Acq On : 13 Nov 2021 00:25  
 Operator : SY/VA  
 Sample : M4654-03  
 Misc : 6.55g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PARKINGLOT-BOTTOM-U-SP-1-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
 Title : SW846 8260

Signal : TIC: VW020876.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         | 7.884       | 971           | 981         | 986          | rBV2     | 52256          | 126670        | 2.56%           | 0.212%        |
| 2         | 7.945       | 986           | 991         | 1000         | rVB      | 99935          | 214900        | 4.34%           | 0.360%        |
| 3         | 8.305       | 1041          | 1050        | 1058         | rBV      | 47924          | 104159        | 2.10%           | 0.175%        |
| 4         | 8.842       | 1130          | 1138        | 1149         | rBV      | 132941         | 265640        | 5.36%           | 0.445%        |
| 5         | 9.335       | 1206          | 1219        | 1225         | rBV      | 39518          | 93063         | 1.88%           | 0.156%        |
| 6         | 9.957       | 1315          | 1321        | 1334         | rVB2     | 50264          | 113426        | 2.29%           | 0.190%        |
| 7         | 10.091      | 1334          | 1343        | 1355         | rBV      | 36028          | 81634         | 1.65%           | 0.137%        |
| 8         | 10.323      | 1373          | 1381        | 1395         | rBV      | 239266         | 474527        | 9.58%           | 0.795%        |
| 9         | 10.506      | 1404          | 1411        | 1420         | rVB      | 213387         | 377306        | 7.61%           | 0.632%        |
| 10        | 10.664      | 1432          | 1437        | 1446         | rVB      | 32022          | 58641         | 1.18%           | 0.098%        |
| 11        | 10.762      | 1446          | 1453        | 1458         | rBV      | 44834          | 89502         | 1.81%           | 0.150%        |
| 12        | 10.933      | 1472          | 1481        | 1487         | rBV      | 57774          | 98000         | 1.98%           | 0.164%        |
| 13        | 11.036      | 1493          | 1498        | 1505         | rVB      | 35375          | 66199         | 1.34%           | 0.111%        |
| 14        | 11.103      | 1505          | 1509        | 1513         | rBV2     | 40937          | 68985         | 1.39%           | 0.116%        |
| 15        | 11.177      | 1517          | 1521        | 1525         | rVV      | 90685          | 150451        | 3.04%           | 0.252%        |
| 16        | 11.231      | 1525          | 1530        | 1535         | rVB      | 95717          | 176457        | 3.56%           | 0.296%        |
| 17        | 11.335      | 1542          | 1547        | 1551         | rBV2     | 70800          | 118253        | 2.39%           | 0.198%        |
| 18        | 11.408      | 1551          | 1559        | 1571         | rVB4     | 260291         | 635532        | 12.83%          | 1.065%        |
| 19        | 11.512      | 1571          | 1576        | 1581         | rBV      | 236269         | 362260        | 7.31%           | 0.607%        |
| 20        | 11.628      | 1590          | 1595        | 1606         | rBV      | 168952         | 302931        | 6.11%           | 0.508%        |
| 21        | 11.725      | 1606          | 1611        | 1614         | rBV2     | 32514          | 55768         | 1.13%           | 0.093%        |
| 22        | 11.762      | 1614          | 1617        | 1620         | rVV      | 53042          | 77028         | 1.55%           | 0.129%        |
| 23        | 11.841      | 1620          | 1630        | 1639         | rVV      | 1590483        | 2735199       | 55.20%          | 4.583%        |
| 24        | 11.914      | 1639          | 1642        | 1648         | rVB2     | 118603         | 196582        | 3.97%           | 0.329%        |
| 25        | 11.975      | 1648          | 1652        | 1659         | rBV5     | 25090          | 66836         | 1.35%           | 0.112%        |
| 26        | 12.054      | 1659          | 1665        | 1671         | rVB3     | 63164          | 120572        | 2.43%           | 0.202%        |
| 27        | 12.134      | 1671          | 1678        | 1690         | rBV4     | 256889         | 798940        | 16.12%          | 1.339%        |
| 28        | 12.250      | 1690          | 1697        | 1702         | rVB      | 294370         | 474828        | 9.58%           | 0.796%        |
| 29        | 12.365      | 1702          | 1716        | 1727         | rBV7     | 272508         | 1206525       | 24.35%          | 2.021%        |
| 30        | 12.542      | 1727          | 1745        | 1747         | rVV5     | 353278         | 1157527       | 23.36%          | 1.939%        |
| 31        | 12.567      | 1747          | 1749        | 1753         | rVV      | 391813         | 452999        | 9.14%           | 0.759%        |
| 32        | 12.615      | 1753          | 1757        | 1760         | rVV4     | 242294         | 422452        | 8.53%           | 0.708%        |
| 33        | 12.646      | 1760          | 1762        | 1767         | rVV      | 322629         | 421269        | 8.50%           | 0.706%        |
| 34        | 12.701      | 1767          | 1771        | 1775         | rVB4     | 69520          | 99760         | 2.01%           | 0.167%        |
| 35        | 12.780      | 1780          | 1784        | 1791         | rVB3     | 155470         | 361321        | 7.29%           | 0.605%        |
| 36        | 12.859      | 1791          | 1797        | 1801         | rBV4     | 223227         | 458372        | 9.25%           | 0.768%        |

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 Sample : M4654-03  
 Misc : 6.55g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PARKINGLOT-BOTTOM-U-SP-1-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 12.926 | 1801 | 1808 | 1815 | rVB  | 3005749 | 4793011 | 96.72%  | 8.030% |
| 38 | 12.987 | 1815 | 1818 | 1823 | rVB2 | 212453  | 321914  | 6.50%   | 0.539% |
| 39 | 13.079 | 1823 | 1833 | 1835 | rBV2 | 203076  | 413577  | 8.35%   | 0.693% |
| 40 | 13.164 | 1843 | 1847 | 1853 | rVB2 | 510695  | 817295  | 16.49%  | 1.369% |
| 41 | 13.225 | 1853 | 1857 | 1859 | rBV3 | 70741   | 106448  | 2.15%   | 0.178% |
| 42 | 13.292 | 1864 | 1868 | 1872 | rVB  | 112898  | 135398  | 2.73%   | 0.227% |
| 43 | 13.341 | 1872 | 1876 | 1879 | rBV3 | 130191  | 190004  | 3.83%   | 0.318% |
| 44 | 13.377 | 1879 | 1882 | 1886 | rVB3 | 127588  | 164777  | 3.33%   | 0.276% |
| 45 | 13.438 | 1886 | 1892 | 1896 | rBV4 | 466991  | 926097  | 18.69%  | 1.552% |
| 46 | 13.481 | 1896 | 1899 | 1902 | rBV2 | 300808  | 360332  | 7.27%   | 0.604% |
| 47 | 13.518 | 1902 | 1905 | 1907 | rVB  | 134270  | 119748  | 2.42%   | 0.201% |
| 48 | 13.554 | 1907 | 1911 | 1914 | rBV2 | 434368  | 548551  | 11.07%  | 0.919% |
| 49 | 13.621 | 1919 | 1922 | 1927 | rVB  | 400760  | 527474  | 10.64%  | 0.884% |
| 50 | 13.694 | 1928 | 1934 | 1938 | rBV4 | 118577  | 320983  | 6.48%   | 0.538% |
| 51 | 13.749 | 1939 | 1943 | 1946 | rBV2 | 276221  | 354485  | 7.15%   | 0.594% |
| 52 | 13.792 | 1946 | 1950 | 1953 | rBV2 | 204053  | 314341  | 6.34%   | 0.527% |
| 53 | 13.871 | 1958 | 1963 | 1968 | rBV  | 3472734 | 4955359 | 100.00% | 8.302% |
| 54 | 13.920 | 1968 | 1971 | 1973 | rBV3 | 84646   | 105636  | 2.13%   | 0.177% |
| 55 | 13.950 | 1973 | 1976 | 1978 | rVV  | 81144   | 85175   | 1.72%   | 0.143% |
| 56 | 14.036 | 1983 | 1990 | 1994 | rBV5 | 277856  | 619082  | 12.49%  | 1.037% |
| 57 | 14.091 | 1995 | 1999 | 2003 | rVB  | 323167  | 460357  | 9.29%   | 0.771% |
| 58 | 14.133 | 2003 | 2006 | 2012 | rVB3 | 253965  | 398797  | 8.05%   | 0.668% |
| 59 | 14.200 | 2012 | 2017 | 2022 | rBV3 | 470995  | 853614  | 17.23%  | 1.430% |
| 60 | 14.261 | 2022 | 2027 | 2033 | rBV6 | 194511  | 392063  | 7.91%   | 0.657% |
| 61 | 14.347 | 2033 | 2041 | 2043 | rBV3 | 393644  | 870945  | 17.58%  | 1.459% |
| 62 | 14.383 | 2043 | 2047 | 2051 | rVB2 | 759355  | 1083743 | 21.87%  | 1.816% |
| 63 | 14.426 | 2051 | 2054 | 2057 | rBV2 | 306154  | 330679  | 6.67%   | 0.554% |
| 64 | 14.493 | 2062 | 2065 | 2069 | rBV2 | 506930  | 634914  | 12.81%  | 1.064% |
| 65 | 14.542 | 2069 | 2073 | 2079 | rVB3 | 357538  | 587036  | 11.85%  | 0.984% |
| 66 | 14.603 | 2079 | 2083 | 2086 | rBV3 | 191714  | 329661  | 6.65%   | 0.552% |
| 67 | 14.639 | 2086 | 2089 | 2093 | rVB2 | 214056  | 267280  | 5.39%   | 0.448% |
| 68 | 14.719 | 2093 | 2102 | 2108 | rBV3 | 2678048 | 4410824 | 89.01%  | 7.390% |
| 69 | 14.798 | 2109 | 2115 | 2119 | rBV4 | 744721  | 1855715 | 37.45%  | 3.109% |
| 70 | 14.834 | 2119 | 2121 | 2130 | rVB3 | 606007  | 1261933 | 25.47%  | 2.114% |
| 71 | 14.956 | 2137 | 2141 | 2147 | rVB  | 442134  | 785607  | 15.85%  | 1.316% |
| 72 | 15.060 | 2154 | 2158 | 2162 | rVB3 | 287599  | 419507  | 8.47%   | 0.703% |
| 73 | 15.164 | 2169 | 2175 | 2184 | rBV5 | 329640  | 1084856 | 21.89%  | 1.818% |
| 74 | 15.243 | 2185 | 2188 | 2196 | rVB5 | 412390  | 827201  | 16.69%  | 1.386% |
| 75 | 15.322 | 2196 | 2201 | 2209 | rBV2 | 598076  | 1117218 | 22.55%  | 1.872% |
| 76 | 15.414 | 2213 | 2216 | 2220 | rVB  | 207356  | 293538  | 5.92%   | 0.492% |

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Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 15.468 | 2221 | 2225 | 2228 | rBV  | 244388  | 391629  | 7.90%  | 0.656% |
| 78 | 15.548 | 2233 | 2238 | 2247 | rVB  | 2064896 | 3571951 | 72.08% | 5.984% |
| 79 | 15.651 | 2247 | 2255 | 2261 | rBV4 | 422153  | 1160110 | 23.41% | 1.944% |
| 80 | 15.724 | 2263 | 2267 | 2275 | rVB3 | 229044  | 401160  | 8.10%  | 0.672% |
| 81 | 15.859 | 2285 | 2289 | 2299 | rVB  | 663293  | 1225143 | 24.72% | 2.053% |
| 82 | 16.005 | 2309 | 2313 | 2315 | rBV3 | 145055  | 257284  | 5.19%  | 0.431% |
| 83 | 16.170 | 2330 | 2340 | 2345 | rBV4 | 408713  | 1221078 | 24.64% | 2.046% |
| 84 | 16.218 | 2345 | 2348 | 2354 | rVV5 | 241937  | 414791  | 8.37%  | 0.695% |
| 85 | 16.279 | 2354 | 2358 | 2365 | rVB  | 229893  | 383935  | 7.75%  | 0.643% |
| 86 | 16.371 | 2367 | 2373 | 2379 | rVV3 | 394921  | 809541  | 16.34% | 1.356% |
| 87 | 16.432 | 2379 | 2383 | 2387 | rVV3 | 117566  | 230540  | 4.65%  | 0.386% |
| 88 | 16.487 | 2387 | 2392 | 2398 | rVB  | 1177575 | 2090172 | 42.18% | 3.502% |

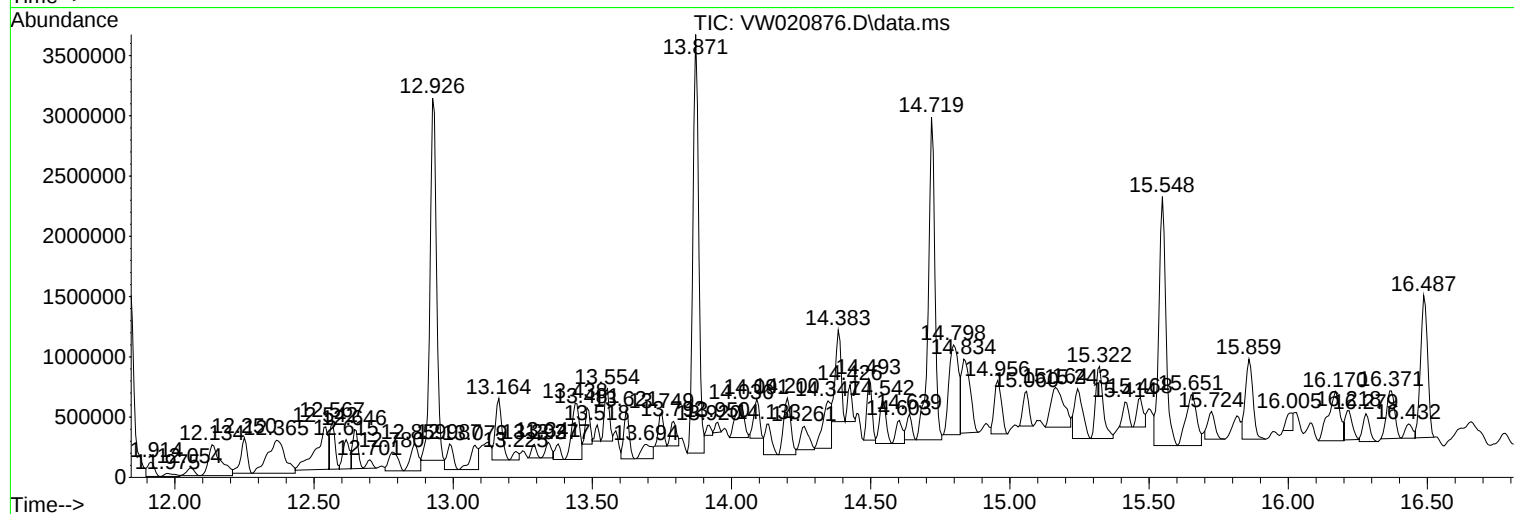
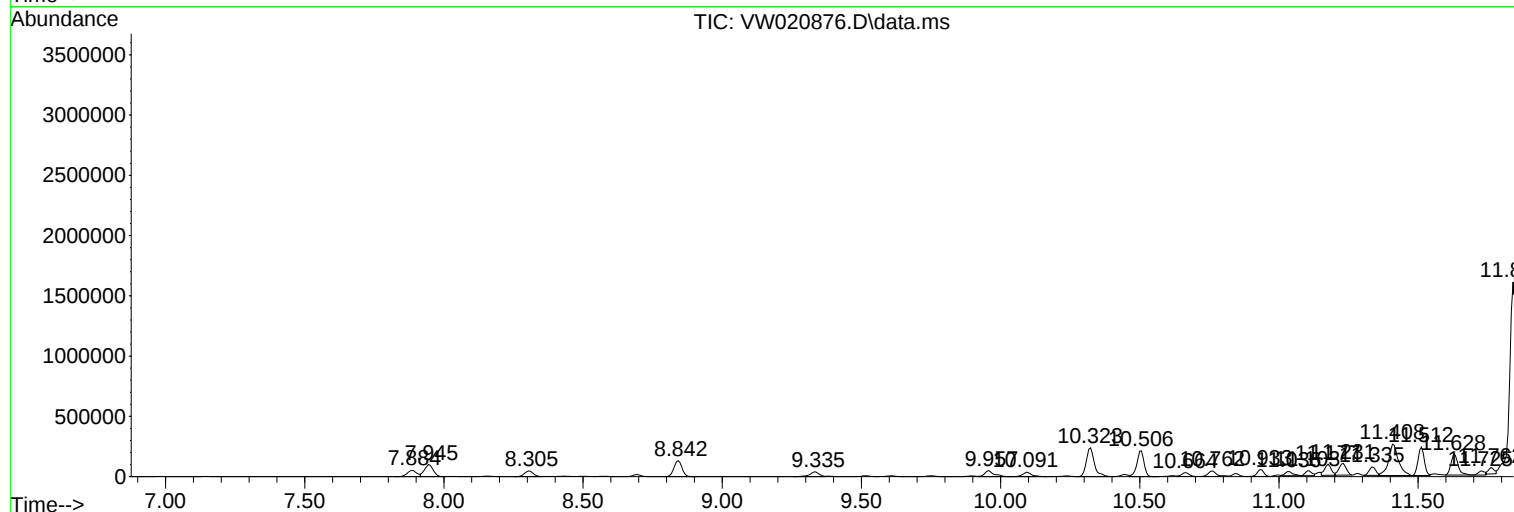
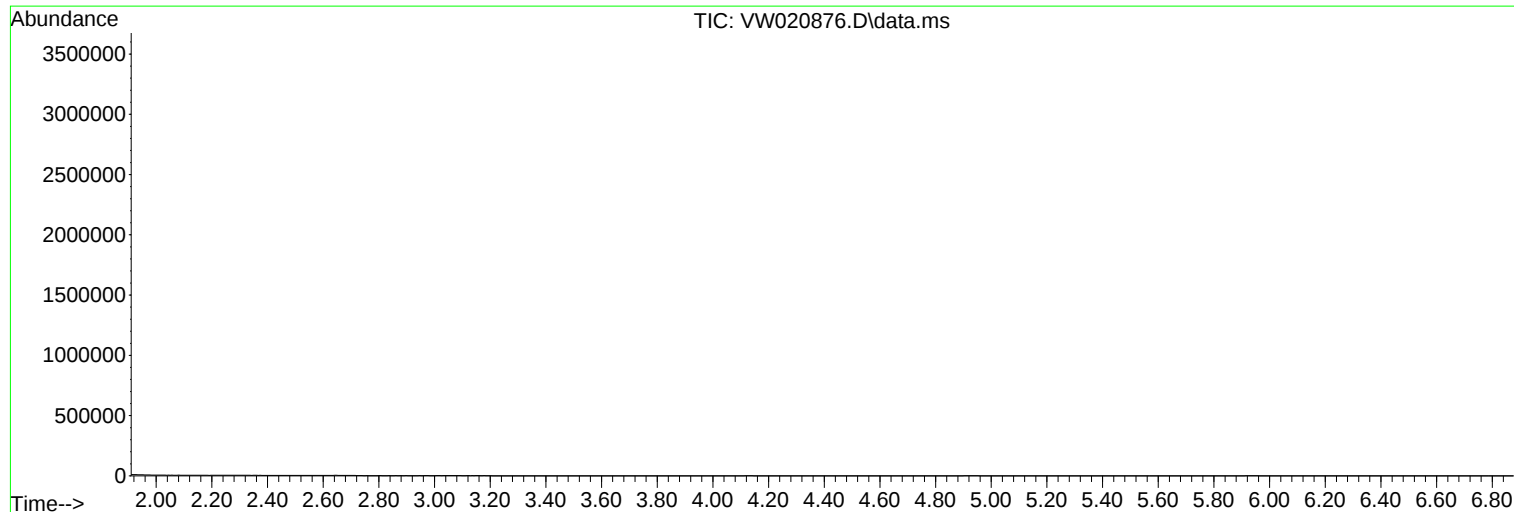
Sum of corrected areas: 59687023

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
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Sample : M4654-03  
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
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Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

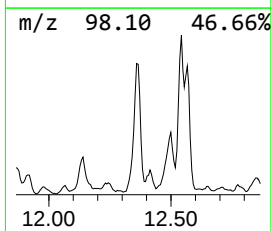
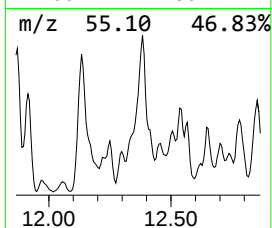
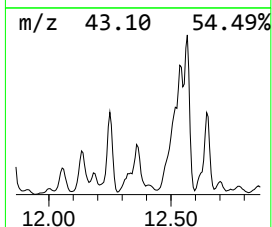
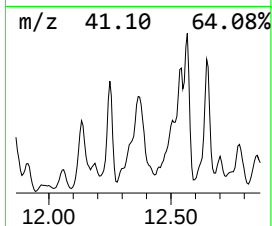
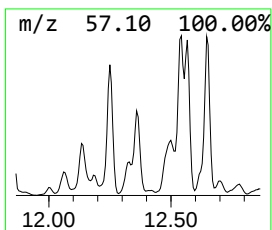
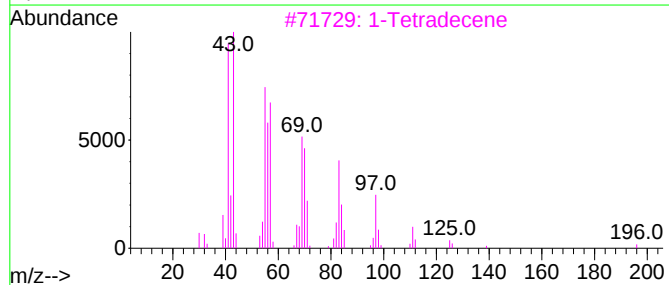
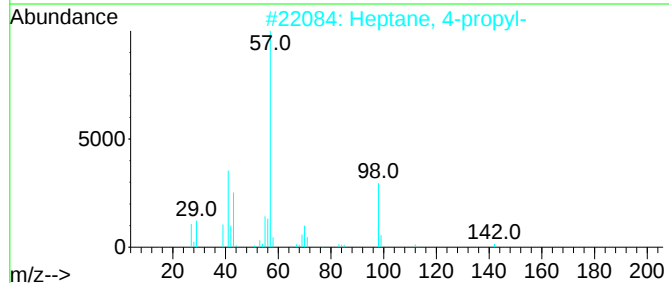
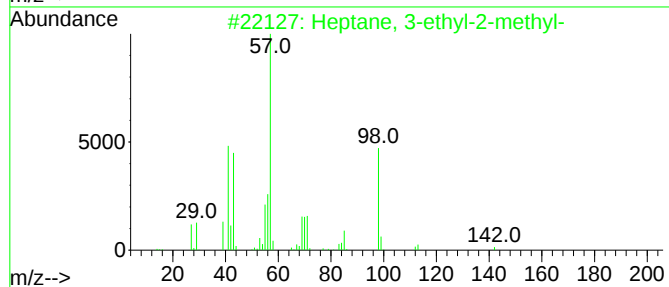
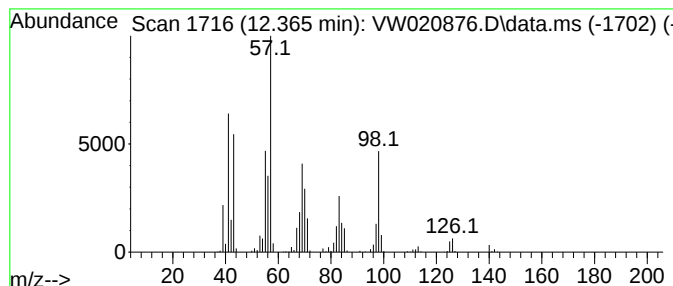
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Heptane, 3-ethyl-2-methyl- Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 12.365 | 199.14 ug/l | 1206530 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 3-ethyl-2-methyl- | 142 | C10H22  | 014676-29-0 | 58   |
| 2    |    |   | Heptane, 4-propyl-         | 142 | C10H22  | 003178-29-8 | 46   |
| 3    |    |   | 1-Tetradecene              | 196 | C14H28  | 001120-36-1 | 46   |
| 4    |    |   | Octane, 2,3-dimethyl-      | 142 | C10H22  | 007146-60-3 | 43   |
| 5    |    |   | Cyclopentane, butyl-       | 126 | C9H18   | 002040-95-1 | 43   |



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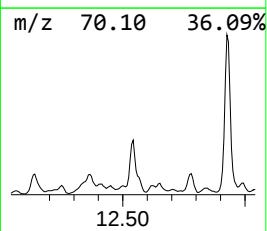
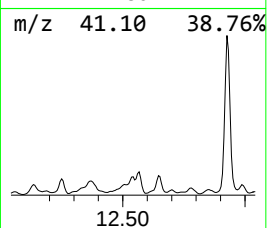
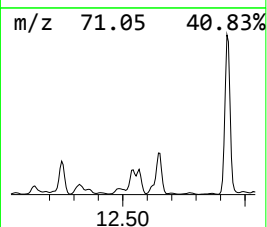
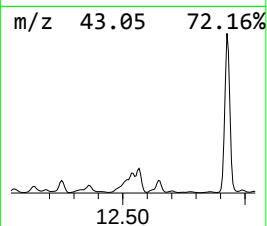
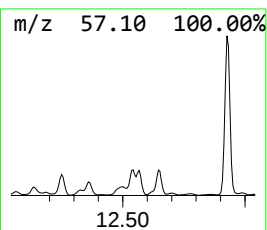
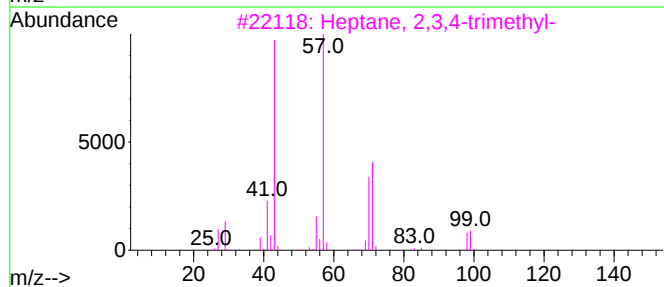
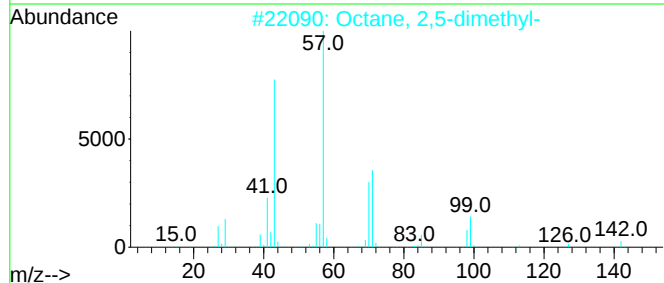
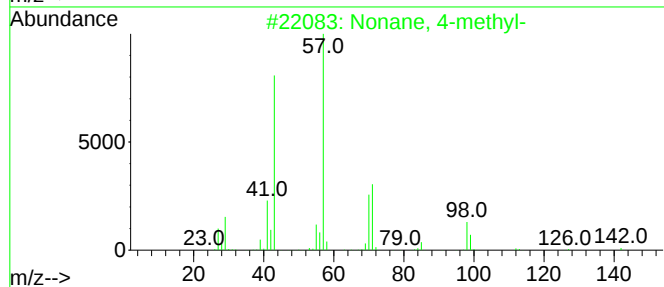
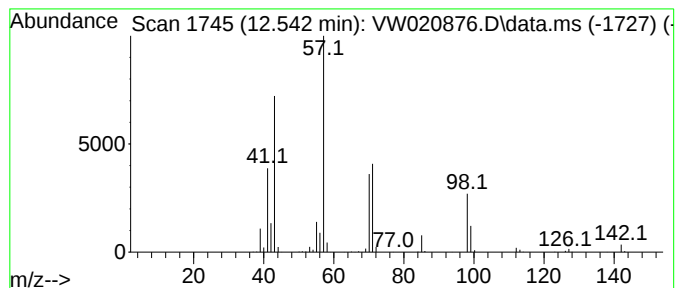
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Nonane, 4-methyl- Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 12.542 | 191.06 ug/l | 1157530 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 4-methyl-         | 142 | C10H22  | 017301-94-9 | 91   |
| 2    |    |   | Octane, 2,5-dimethyl-     | 142 | C10H22  | 015869-89-3 | 81   |
| 3    |    |   | Heptane, 2,3,4-trimethyl- | 142 | C10H22  | 052896-95-4 | 64   |
| 4    |    |   | Undecane, 2,6-dimethyl-   | 184 | C13H28  | 017301-23-4 | 50   |
| 5    |    |   | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 47   |



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Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

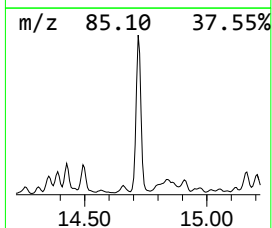
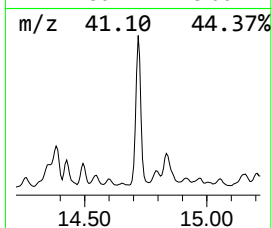
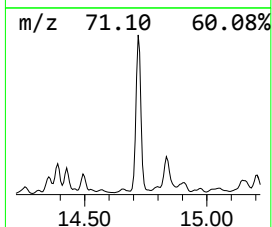
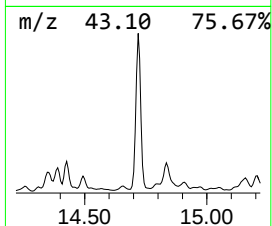
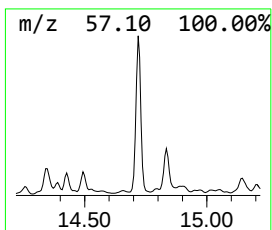
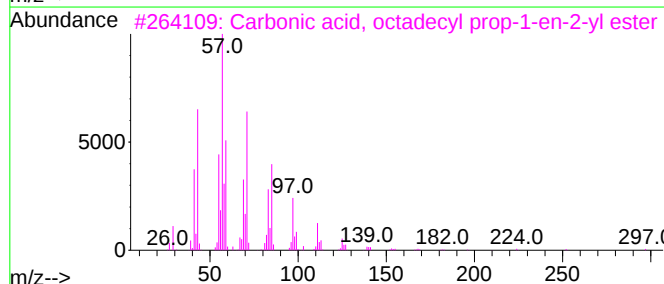
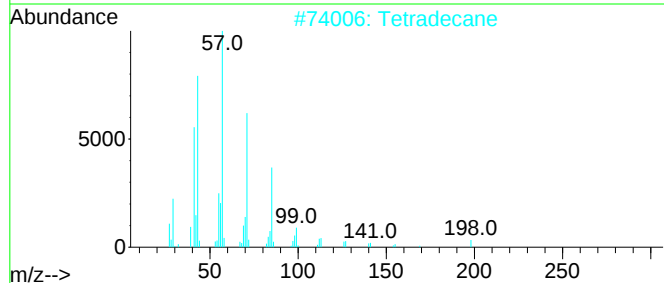
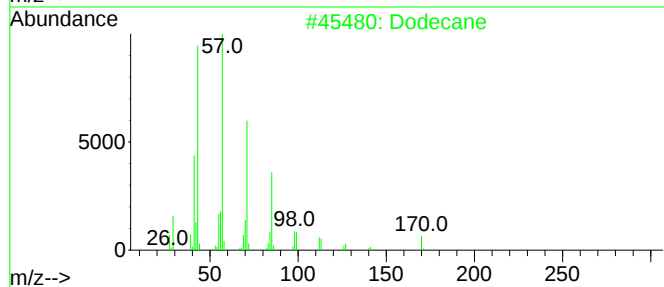
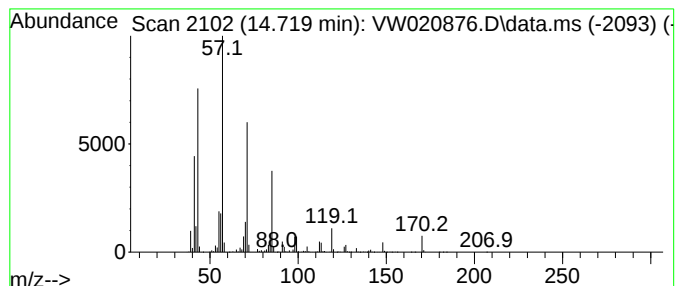
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dodecane Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.719 | 402.04 ug/l | 4410820 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dodecane                            | 170 | C12H26   | 000112-40-3  | 96   |
| 2    |    |   | Tetradecane                         | 198 | C14H30   | 000629-59-4  | 74   |
| 3    |    |   | Carbonic acid, octadecyl prop-1-... | 354 | C22H42O3 | 1000383-11-5 | 72   |
| 4    |    |   | Carbonic acid, tetradecyl vinyl ... | 284 | C17H32O3 | 1000382-54-5 | 72   |
| 5    |    |   | Undecane                            | 156 | C11H24   | 001120-21-4  | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

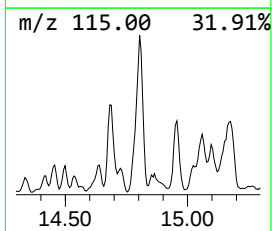
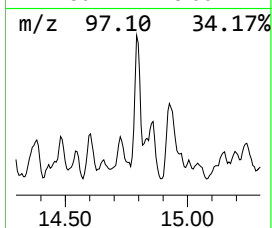
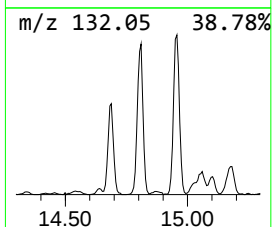
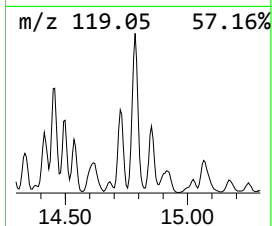
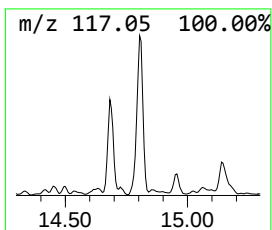
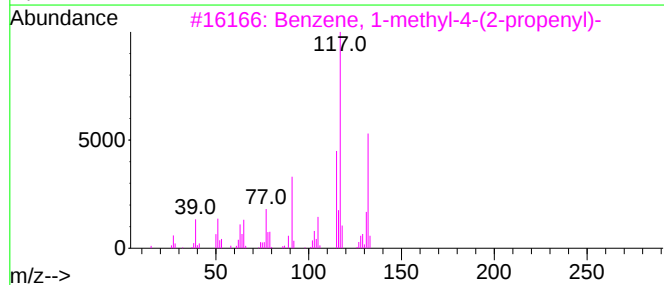
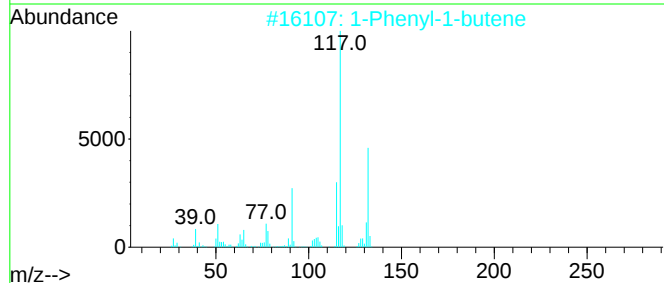
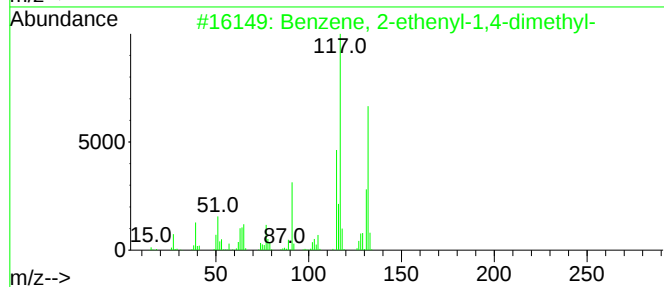
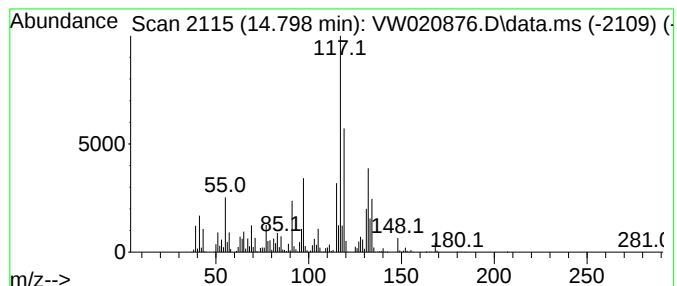
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.798 | 169.15 ug/l | 1855720 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 90   |
| 2    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 90   |
| 3    |    |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 86   |
| 4    |    |   | 1-Methyl-2-phenylcyclopropane     | 132 | C10H12  | 003145-76-4 | 64   |
| 5    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

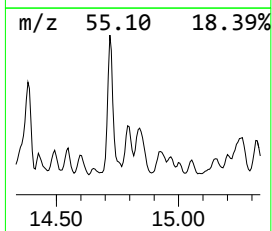
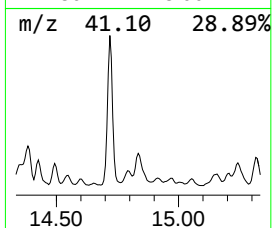
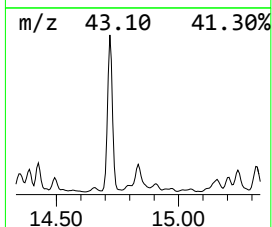
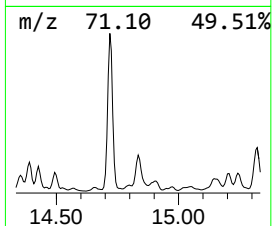
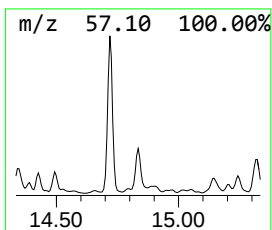
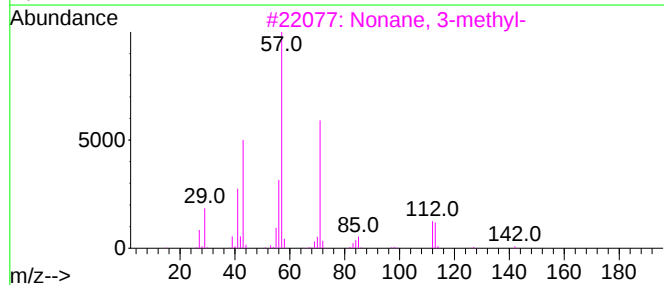
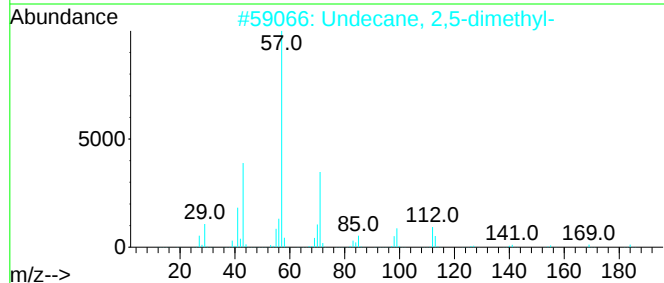
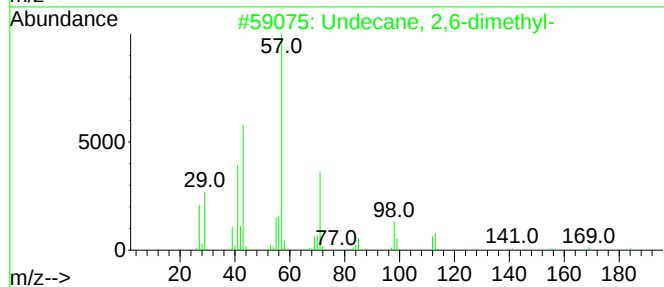
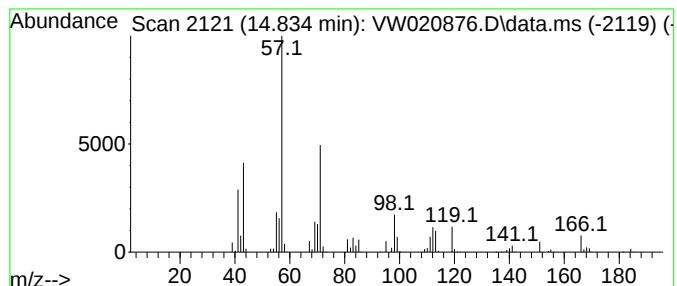
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.834 | 115.02 ug/l | 1261930 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 89   |
| 2    |    |   | Undecane, 2,5-dimethyl- | 184 | C13H28  | 017301-22-3 | 76   |
| 3    |    |   | Nonane, 3-methyl-       | 142 | C10H22  | 005911-04-6 | 64   |
| 4    |    |   | Dodecane, 6-methyl-     | 184 | C13H28  | 006044-71-9 | 53   |
| 5    |    |   | Nonane, 2,3-dimethyl-   | 156 | C11H24  | 002884-06-2 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

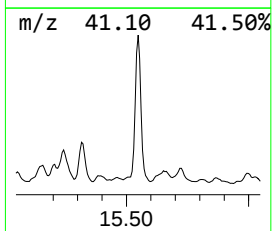
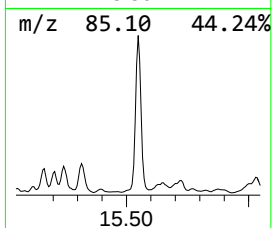
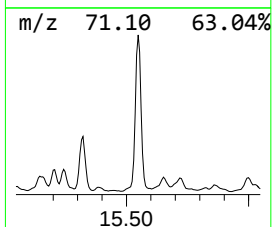
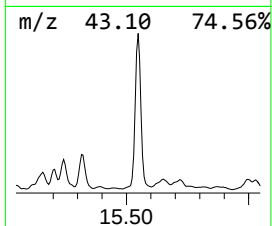
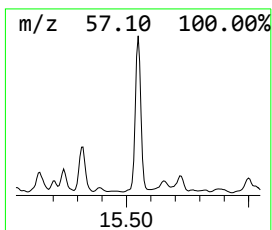
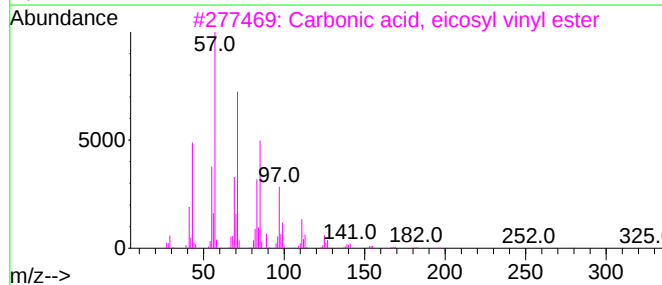
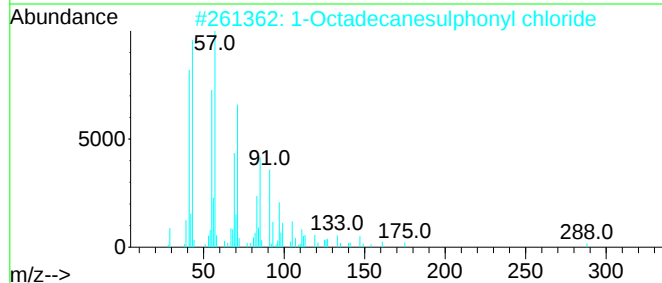
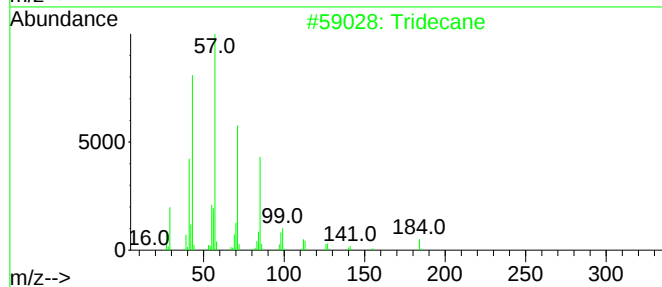
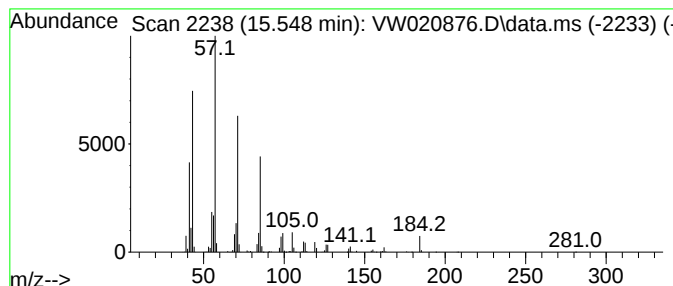
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tridecane Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.548 | 325.58 ug/l | 3571950 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm     | CAS#         | Qual |
|------|------|------------------------------------|-----|-------------|--------------|------|
| 1    |      | Tridecane                          | 184 | C13H28      | 000629-50-5  | 98   |
| 2    |      | 1-Octadecanesulphonyl chloride     | 352 | C18H37ClO2S | 1000342-70-4 | 91   |
| 3    |      | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3    | 1000382-54-3 | 80   |
| 4    |      | Dodecane                           | 170 | C12H26      | 000112-40-3  | 80   |
| 5    |      | Tetradecane                        | 198 | C14H30      | 000629-59-4  | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

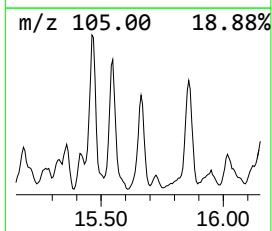
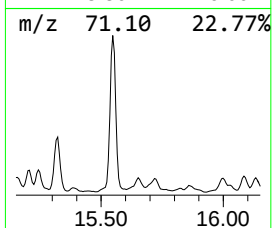
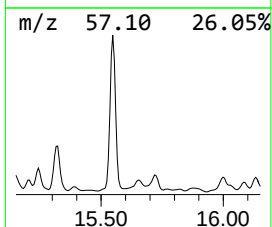
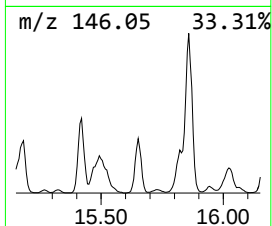
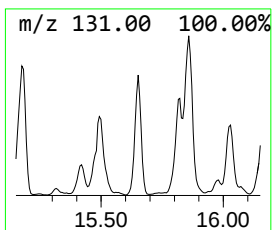
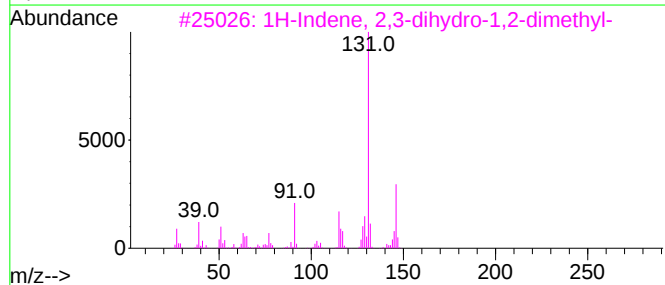
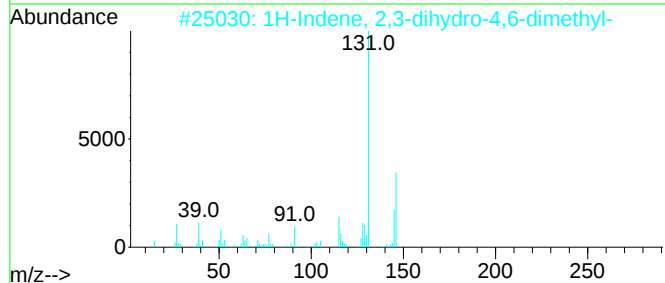
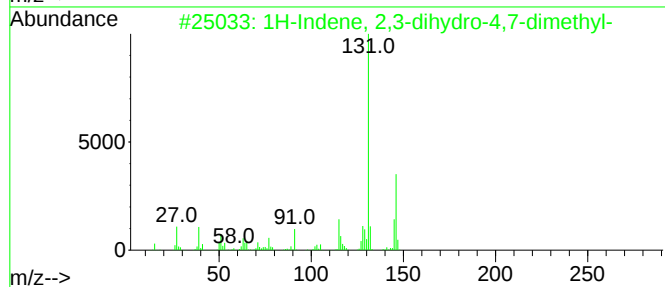
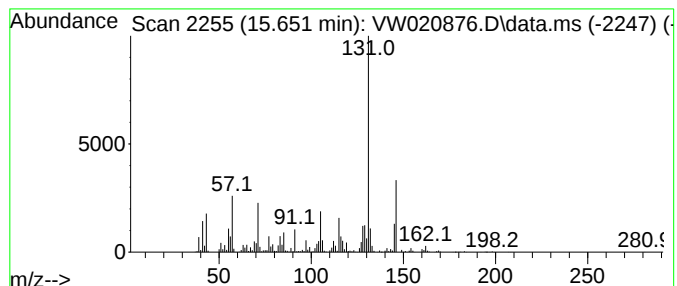
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.651 | 105.74 ug/l | 1160110 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14  | 001685-82-1 | 93   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 90   |
| 4    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 81   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

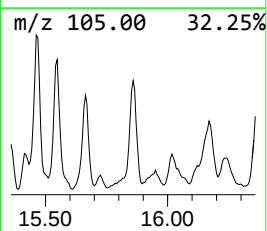
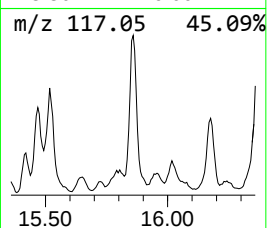
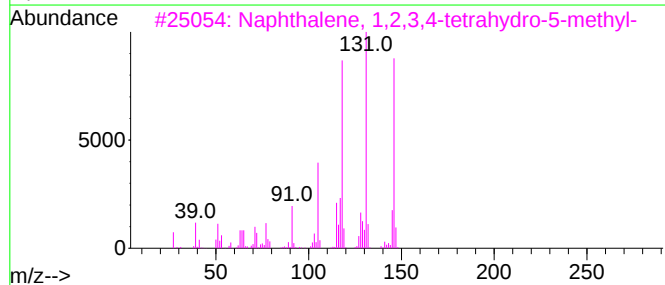
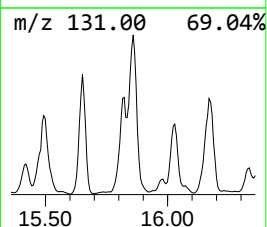
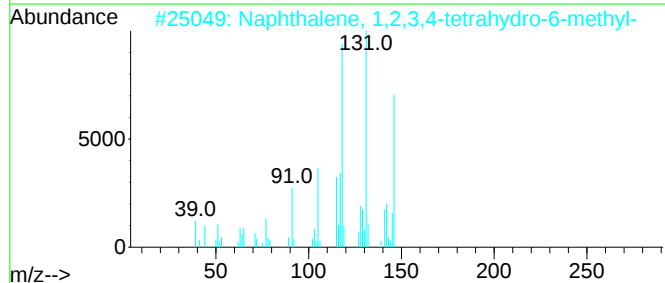
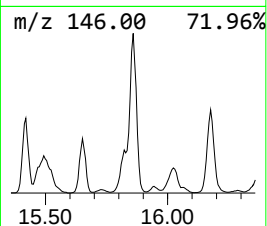
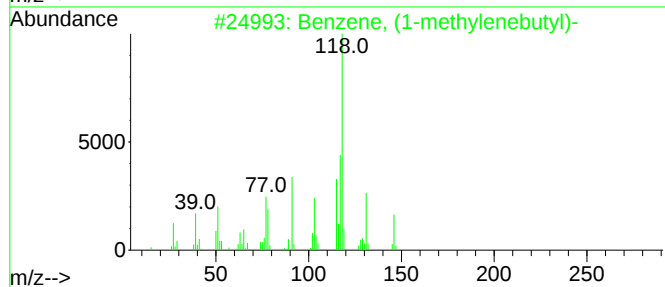
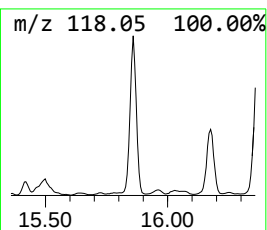
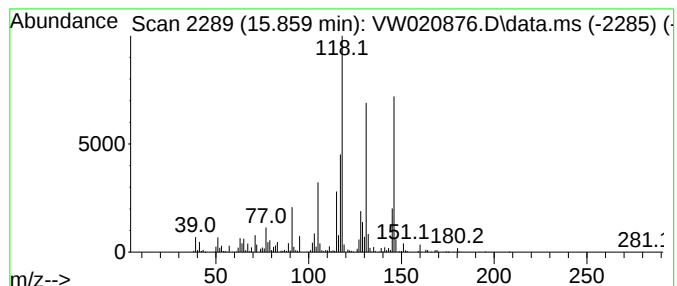
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

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

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Peak Number 8 Benzene, (1-methylenebutyl)- Concentration Rank 8

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.859 | 111.67 ug/l | 1225140 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methylenebutyl)-        | 146 | C11H14  | 005676-32-4 | 72   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 70   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 60   |
| 4    |    |   | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 49   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

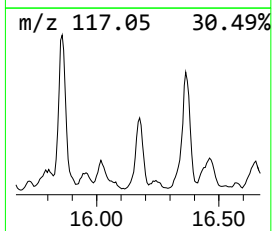
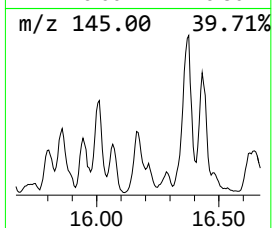
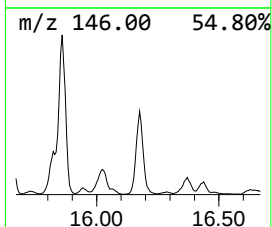
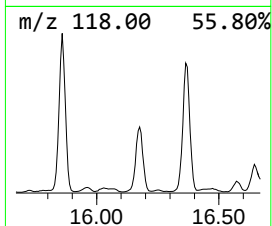
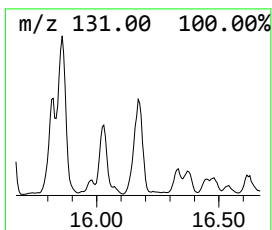
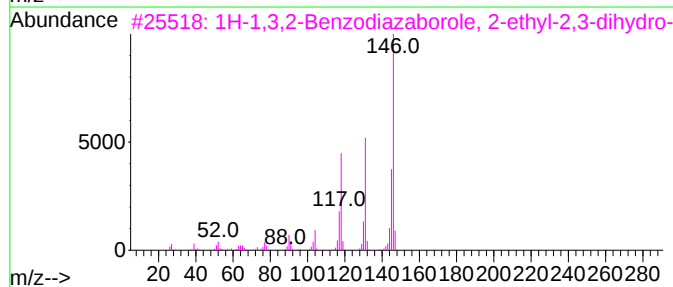
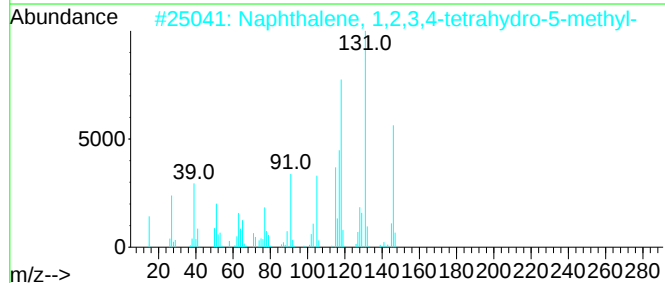
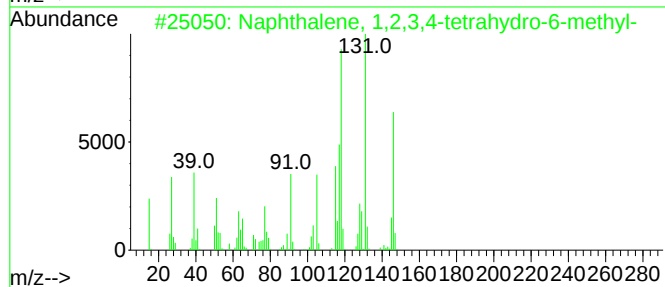
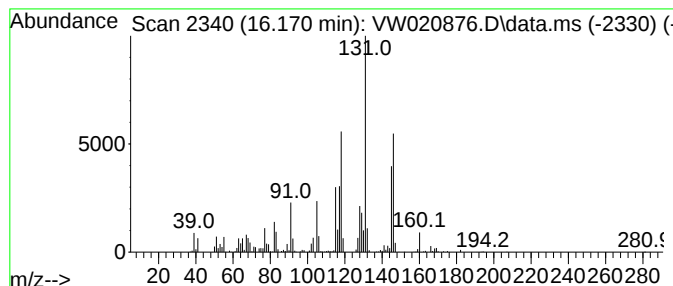
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 9

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.169 | 111.30 ug/l | 1221080 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 95   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 90   |
| 3    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 76   |
| 4    |    |   | 2-Propenal, 3-(4-methylphenyl)-     | 146 | C10H10O  | 001504-75-2 | 62   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 004175-54-6 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

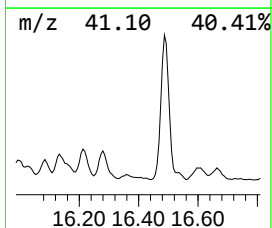
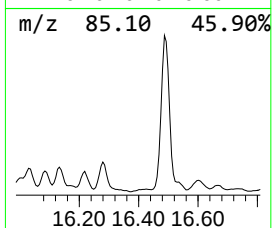
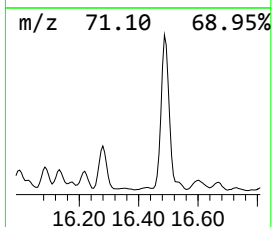
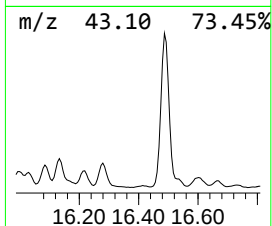
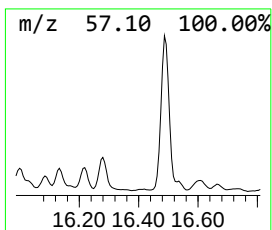
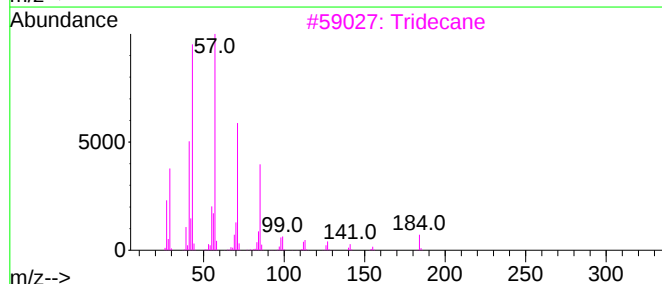
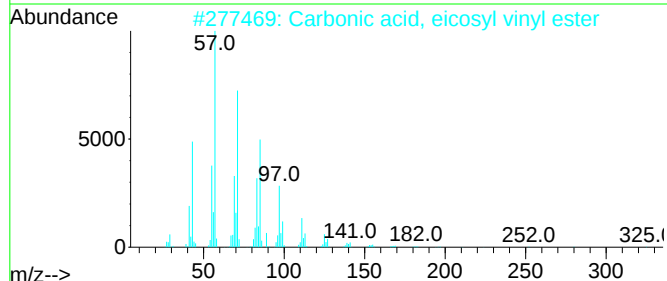
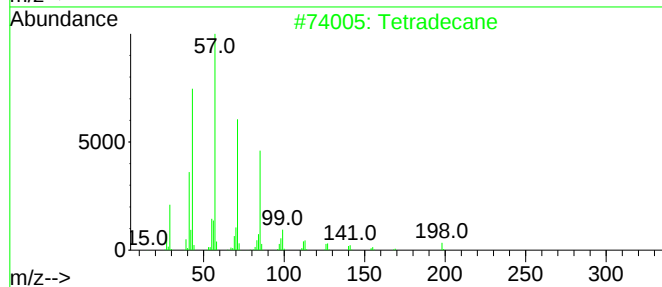
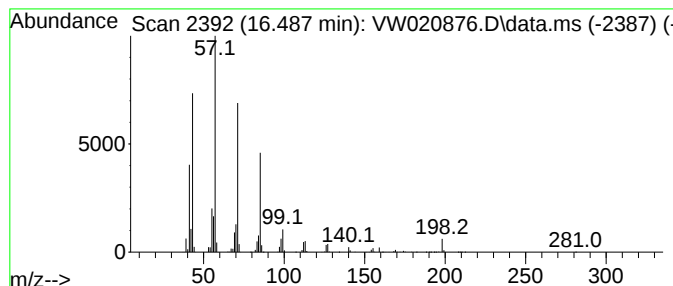
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tetradecane Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.486 | 190.52 ug/l | 2090170 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|------|------------------------------------|-----|----------|--------------|------|
| 1    |      | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 98   |
| 2    |      | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 91   |
| 3    |      | Tridecane                          | 184 | C13H28   | 000629-50-5  | 90   |
| 4    |      | Pentadecane                        | 212 | C15H32   | 000629-62-9  | 90   |
| 5    |      | Tritetracontane                    | 605 | C43H88   | 007098-21-7  | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111221\  
Data File : VW020876.D  
Acq On : 13 Nov 2021 00:25  
Operator : SY/VA  
Sample : M4654-03  
Misc : 6.55g/5mL/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PARKINGLOT-BOTTOM-U-SP-1-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111021S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Heptane, 3-ethy... | 12.365 | 199.1   | ug/l  | 1206530  | 3                     | 11.628 | 302931 | 50.0 |
| Nonane, 4-methyl-  | 12.542 | 191.1   | ug/l  | 1157530  | 3                     | 11.628 | 302931 | 50.0 |
| Dodecane           | 14.719 | 402.0   | ug/l  | 4410820  | 4                     | 13.554 | 548551 | 50.0 |
| Benzene, 2-ethe... | 14.798 | 169.2   | ug/l  | 1855720  | 4                     | 13.554 | 548551 | 50.0 |
| Undecane, 2,6-d... | 14.834 | 115.0   | ug/l  | 1261930  | 4                     | 13.554 | 548551 | 50.0 |
| Tridecane          | 15.548 | 325.6   | ug/l  | 3571950  | 4                     | 13.554 | 548551 | 50.0 |
| 1H-Indene, 2,3-... | 15.651 | 105.7   | ug/l  | 1160110  | 4                     | 13.554 | 548551 | 50.0 |
| Benzene, (1-met... | 15.859 | 111.7   | ug/l  | 1225140  | 4                     | 13.554 | 548551 | 50.0 |
| Naphthalene, 1,... | 16.169 | 111.3   | ug/l  | 1221080  | 4                     | 13.554 | 548551 | 50.0 |
| Tetradecane        | 16.486 | 190.5   | ug/l  | 2090170  | 4                     | 13.554 | 548551 | 50.0 |