

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
 Data File : VD067055.D  
 Acq On : 03 Oct 2020 01:32  
 Operator : VA/SY  
 Sample : L4247-01  
 Misc : 5.02G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Title : SW846 8260

Signal : TIC

| 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         | 7.914       | 1010          | 1019        | 1024         | rBV2     | 325152         | 785959        | 7.67%           | 0.505%        |
| 2         | 7.979       | 1024          | 1030        | 1039         | rVB      | 606573         | 1369825       | 13.37%          | 0.880%        |
| 3         | 8.332       | 1076          | 1090        | 1100         | rVB2     | 281102         | 681365        | 6.65%           | 0.438%        |
| 4         | 8.861       | 1170          | 1180        | 1191         | rBV      | 851048         | 1691707       | 16.51%          | 1.087%        |
| 5         | 9.349       | 1249          | 1263        | 1271         | rBV      | 239656         | 594090        | 5.80%           | 0.382%        |
| 6         | 9.767       | 1324          | 1334        | 1342         | rBV3     | 51592          | 111361        | 1.09%           | 0.072%        |
| 7         | 9.973       | 1363          | 1369        | 1383         | rVB2     | 151068         | 402824        | 3.93%           | 0.259%        |
| 8         | 10.114      | 1383          | 1393        | 1405         | rVB2     | 155153         | 403914        | 3.94%           | 0.260%        |
| 9         | 10.338      | 1423          | 1431        | 1446         | rBV      | 1645030        | 3309971       | 32.30%          | 2.127%        |
| 10        | 10.520      | 1454          | 1462        | 1471         | rVB      | 623558         | 1169981       | 11.42%          | 0.752%        |
| 11        | 10.679      | 1483          | 1489        | 1494         | rBV      | 192730         | 308566        | 3.01%           | 0.198%        |
| 12        | 10.773      | 1500          | 1505        | 1512         | rBV      | 206141         | 369544        | 3.61%           | 0.237%        |
| 13        | 10.861      | 1516          | 1520        | 1526         | rVB2     | 117949         | 202570        | 1.98%           | 0.130%        |
| 14        | 10.949      | 1526          | 1535        | 1541         | rBV      | 246438         | 421531        | 4.11%           | 0.271%        |
| 15        | 11.055      | 1547          | 1553        | 1560         | rVB      | 135559         | 275510        | 2.69%           | 0.177%        |
| 16        | 11.120      | 1560          | 1564        | 1567         | rBV3     | 111660         | 175419        | 1.71%           | 0.113%        |
| 17        | 11.191      | 1567          | 1576        | 1580         | rBV      | 361887         | 687178        | 6.71%           | 0.442%        |
| 18        | 11.243      | 1580          | 1585        | 1591         | rVB      | 599243         | 1034300       | 10.09%          | 0.665%        |
| 19        | 11.296      | 1591          | 1594        | 1598         | rVB2     | 93322          | 119396        | 1.17%           | 0.077%        |
| 20        | 11.349      | 1598          | 1603        | 1607         | rBV2     | 287688         | 472315        | 4.61%           | 0.303%        |
| 21        | 11.426      | 1607          | 1616        | 1628         | rVB4     | 900547         | 2508547       | 24.48%          | 1.612%        |
| 22        | 11.526      | 1628          | 1633        | 1638         | rBV      | 722425         | 1152780       | 11.25%          | 0.741%        |
| 23        | 11.643      | 1647          | 1653        | 1664         | rBV      | 1142507        | 2014094       | 19.66%          | 1.294%        |
| 24        | 11.743      | 1664          | 1670        | 1672         | rBV4     | 107973         | 191149        | 1.87%           | 0.123%        |
| 25        | 11.779      | 1672          | 1676        | 1679         | rBV      | 180757         | 227154        | 2.22%           | 0.146%        |
| 26        | 11.855      | 1679          | 1689        | 1698         | rBV2     | 2334507        | 4849751       | 47.33%          | 3.116%        |
| 27        | 11.932      | 1699          | 1702        | 1707         | rVB2     | 391916         | 623175        | 6.08%           | 0.400%        |
| 28        | 11.990      | 1707          | 1712        | 1719         | rBV4     | 105707         | 268251        | 2.62%           | 0.172%        |
| 29        | 12.079      | 1719          | 1727        | 1732         | rVB3     | 202813         | 421521        | 4.11%           | 0.271%        |
| 30        | 12.155      | 1732          | 1740        | 1752         | rBV6     | 915692         | 3034684       | 29.62%          | 1.950%        |
| 31        | 12.267      | 1752          | 1759        | 1764         | rVB      | 874284         | 1481161       | 14.46%          | 0.952%        |
| 32        | 12.361      | 1764          | 1775        | 1776         | rBV4     | 712983         | 1558859       | 15.21%          | 1.002%        |
| 33        | 12.385      | 1776          | 1779        | 1785         | rVB2     | 631263         | 1231848       | 12.02%          | 0.792%        |
| 34        | 12.473      | 1791          | 1794        | 1795         | rBV2     | 99552          | 111376        | 1.09%           | 0.072%        |

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 Misc : 5.02G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 35 | 12.561 | 1796 | 1809 | 1811 | rVV4 | 909757  | 2562766  | 25.01%  | 1.647% |
| 36 | 12.585 | 1811 | 1813 | 1817 | rVB  | 976519  | 1153916  | 11.26%  | 0.741% |
| 37 | 12.637 | 1817 | 1822 | 1825 | rBV  | 968833  | 1645381  | 16.06%  | 1.057% |
| 38 | 12.667 | 1825 | 1827 | 1832 | rVV  | 825696  | 1040016  | 10.15%  | 0.668% |
| 39 | 12.720 | 1832 | 1836 | 1840 | rVB4 | 202331  | 285555   | 2.79%   | 0.183% |
| 40 | 12.796 | 1845 | 1849 | 1856 | rVB3 | 735249  | 1418698  | 13.85%  | 0.912% |
| 41 | 12.885 | 1856 | 1864 | 1867 | rBV4 | 750957  | 1654692  | 16.15%  | 1.063% |
| 42 | 12.949 | 1867 | 1875 | 1882 | rVV2 | 5347894 | 10246257 | 100.00% | 6.584% |
| 43 | 13.008 | 1882 | 1885 | 1891 | rVB4 | 505278  | 837286   | 8.17%   | 0.538% |
| 44 | 13.126 | 1891 | 1905 | 1911 | rBV4 | 1098037 | 3688414  | 36.00%  | 2.370% |
| 45 | 13.185 | 1911 | 1915 | 1922 | rVV2 | 1481922 | 2491047  | 24.31%  | 1.601% |
| 46 | 13.273 | 1922 | 1930 | 1934 | rVV3 | 348643  | 853925   | 8.33%   | 0.549% |
| 47 | 13.314 | 1934 | 1937 | 1942 | rVV  | 354948  | 472881   | 4.62%   | 0.304% |
| 48 | 13.367 | 1942 | 1946 | 1949 | rVV2 | 343496  | 502432   | 4.90%   | 0.323% |
| 49 | 13.402 | 1949 | 1952 | 1955 | rVB3 | 254759  | 319045   | 3.11%   | 0.205% |
| 50 | 13.467 | 1955 | 1963 | 1967 | rBV3 | 1344162 | 2690746  | 26.26%  | 1.729% |
| 51 | 13.508 | 1967 | 1970 | 1974 | rVV2 | 1066240 | 1737070  | 16.95%  | 1.116% |
| 52 | 13.543 | 1974 | 1976 | 1978 | rVV  | 635615  | 767506   | 7.49%   | 0.493% |
| 53 | 13.579 | 1978 | 1982 | 1985 | rVV  | 1812963 | 2843708  | 27.75%  | 1.827% |
| 54 | 13.608 | 1985 | 1987 | 1991 | rVV  | 981568  | 1233491  | 12.04%  | 0.793% |
| 55 | 13.649 | 1991 | 1994 | 2000 | rVB2 | 901172  | 1147820  | 11.20%  | 0.738% |
| 56 | 13.743 | 2001 | 2010 | 2011 | rBV7 | 490697  | 1074954  | 10.49%  | 0.691% |
| 57 | 13.773 | 2011 | 2015 | 2019 | rVV2 | 1403649 | 2460316  | 24.01%  | 1.581% |
| 58 | 13.814 | 2019 | 2022 | 2031 | rVB2 | 1510002 | 2479347  | 24.20%  | 1.593% |
| 59 | 13.902 | 2031 | 2037 | 2042 | rBV  | 5105640 | 8151087  | 79.55%  | 5.237% |
| 60 | 13.973 | 2042 | 2049 | 2054 | rVV  | 944198  | 2101151  | 20.51%  | 1.350% |
| 61 | 14.061 | 2057 | 2064 | 2069 | rVV3 | 1014425 | 2619936  | 25.57%  | 1.683% |
| 62 | 14.120 | 2069 | 2074 | 2079 | rVV  | 1609160 | 2611860  | 25.49%  | 1.678% |
| 63 | 14.161 | 2079 | 2081 | 2087 | rVB3 | 394829  | 629808   | 6.15%   | 0.405% |
| 64 | 14.232 | 2087 | 2093 | 2098 | rVB3 | 1781069 | 2906474  | 28.37%  | 1.868% |
| 65 | 14.290 | 2098 | 2103 | 2110 | rVB6 | 403197  | 917920   | 8.96%   | 0.590% |
| 66 | 14.373 | 2110 | 2117 | 2121 | rBV4 | 985133  | 2508993  | 24.49%  | 1.612% |
| 67 | 14.414 | 2121 | 2124 | 2128 | rVV4 | 1272998 | 2382375  | 23.25%  | 1.531% |
| 68 | 14.455 | 2128 | 2131 | 2134 | rVV2 | 1053370 | 1832446  | 17.88%  | 1.177% |
| 69 | 14.484 | 2134 | 2136 | 2140 | rVV  | 1094994 | 1342070  | 13.10%  | 0.862% |
| 70 | 14.532 | 2140 | 2144 | 2147 | rVV  | 1142628 | 1522921  | 14.86%  | 0.979% |
| 71 | 14.573 | 2147 | 2151 | 2158 | rVB4 | 813944  | 1283180  | 12.52%  | 0.824% |

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 Misc : 5.02G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 14.632 | 2158 | 2161 | 2162 | rBV3 | 192926  | 207802  | 2.03%  | 0.134% |
| 73 | 14.673 | 2164 | 2168 | 2171 | rVB  | 531478  | 752743  | 7.35%  | 0.484% |
| 74 | 14.720 | 2171 | 2176 | 2178 | rBV2 | 758799  | 1128785 | 11.02% | 0.725% |
| 75 | 14.755 | 2178 | 2182 | 2188 | rVB2 | 3889830 | 5854102 | 57.13% | 3.761% |
| 76 | 14.832 | 2188 | 2195 | 2200 | rBV4 | 2405508 | 5998443 | 58.54% | 3.854% |
| 77 | 14.879 | 2200 | 2203 | 2211 | rVB3 | 1129291 | 2181606 | 21.29% | 1.402% |
| 78 | 14.990 | 2218 | 2222 | 2230 | rVB  | 1225039 | 2045577 | 19.96% | 1.314% |
| 79 | 15.067 | 2231 | 2235 | 2236 | rBV2 | 209699  | 279420  | 2.73%  | 0.180% |
| 80 | 15.102 | 2236 | 2241 | 2245 | rBV3 | 818508  | 1368090 | 13.35% | 0.879% |
| 81 | 15.214 | 2253 | 2260 | 2269 | rBV5 | 958665  | 2435990 | 23.77% | 1.565% |
| 82 | 15.296 | 2270 | 2274 | 2281 | rVB7 | 681308  | 1408188 | 13.74% | 0.905% |
| 83 | 15.373 | 2281 | 2287 | 2291 | rBV2 | 1091783 | 2085728 | 20.36% | 1.340% |
| 84 | 15.467 | 2298 | 2303 | 2307 | rBV  | 600863  | 1013764 | 9.89%  | 0.651% |
| 85 | 15.520 | 2308 | 2312 | 2315 | rBV3 | 415223  | 733163  | 7.16%  | 0.471% |
| 86 | 15.608 | 2322 | 2327 | 2336 | rVB  | 2349291 | 4195015 | 40.94% | 2.695% |
| 87 | 15.708 | 2336 | 2344 | 2351 | rBV5 | 669950  | 1826255 | 17.82% | 1.173% |
| 88 | 15.784 | 2352 | 2357 | 2363 | rVB4 | 353725  | 686983  | 6.70%  | 0.441% |
| 89 | 15.920 | 2375 | 2380 | 2388 | rVB  | 982611  | 1963230 | 19.16% | 1.261% |
| 90 | 16.008 | 2392 | 2395 | 2400 | rVB4 | 154412  | 244781  | 2.39%  | 0.157% |
| 91 | 16.084 | 2401 | 2408 | 2417 | rBV4 | 375381  | 1073244 | 10.47% | 0.690% |
| 92 | 16.237 | 2425 | 2434 | 2439 | rBV5 | 641380  | 1741925 | 17.00% | 1.119% |
| 93 | 16.355 | 2450 | 2454 | 2460 | rBV  | 246828  | 406253  | 3.96%  | 0.261% |
| 94 | 16.443 | 2463 | 2469 | 2474 | rVV3 | 498837  | 1109944 | 10.83% | 0.713% |
| 95 | 16.508 | 2474 | 2480 | 2485 | rVV  | 615133  | 1244777 | 12.15% | 0.800% |
| 96 | 16.573 | 2486 | 2491 | 2504 | rVB  | 723098  | 1481353 | 14.46% | 0.952% |
| 97 | 16.714 | 2507 | 2515 | 2527 | rBV4 | 473476  | 1486424 | 14.51% | 0.955% |

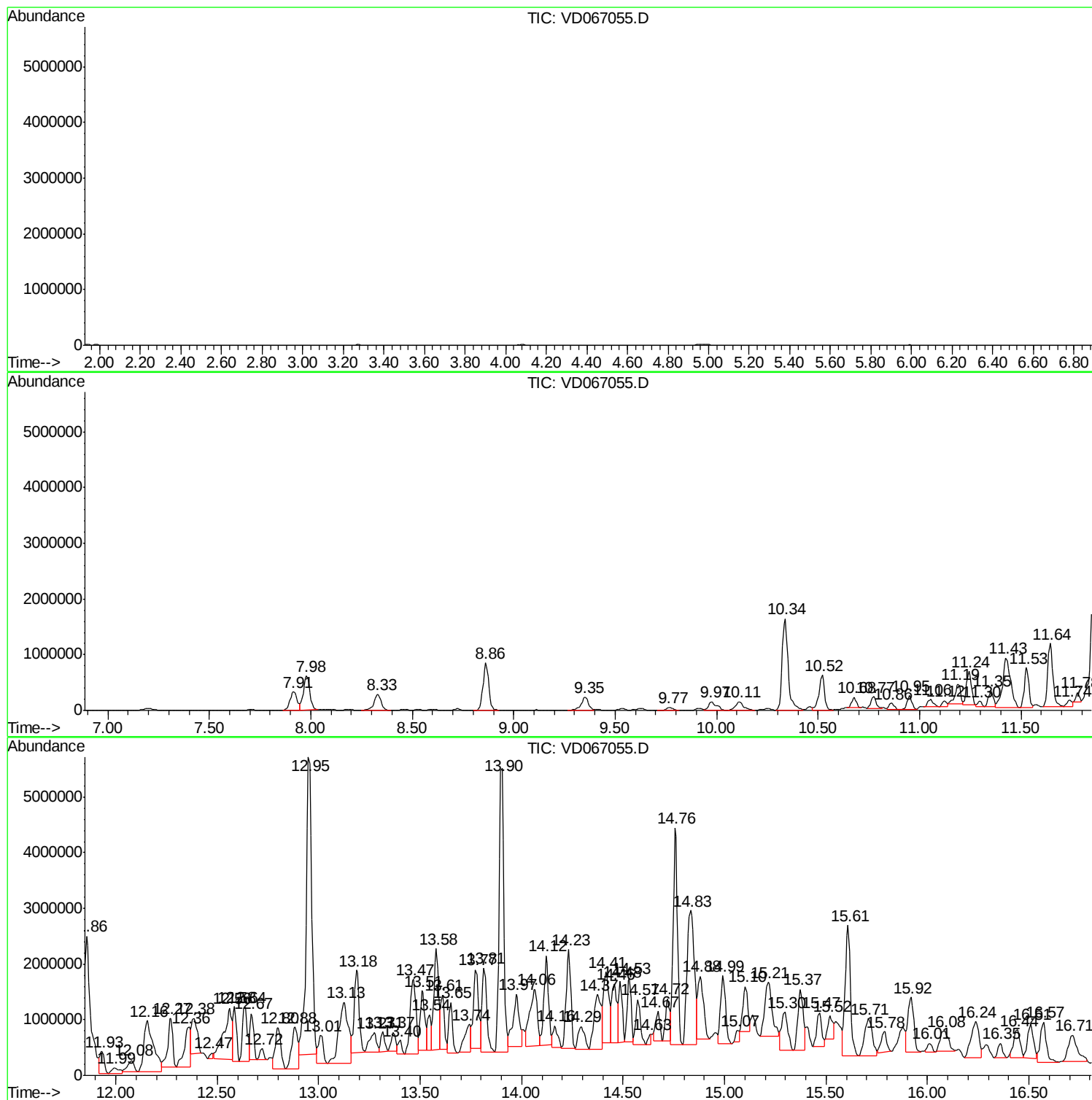
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
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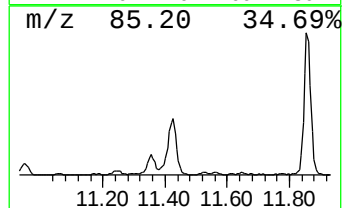
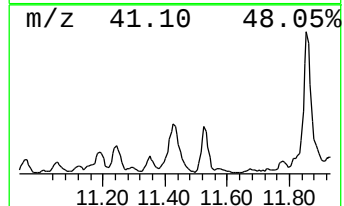
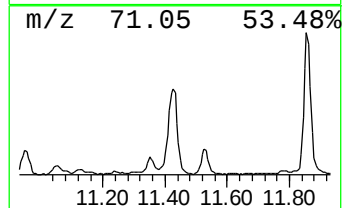
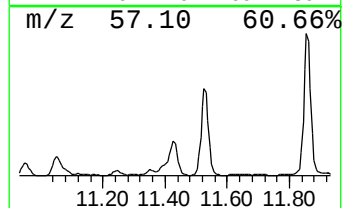
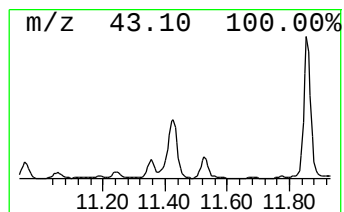
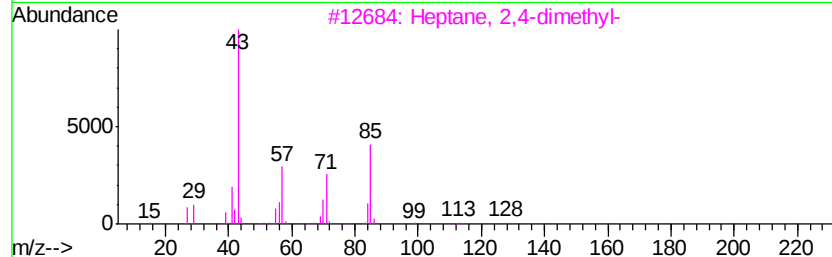
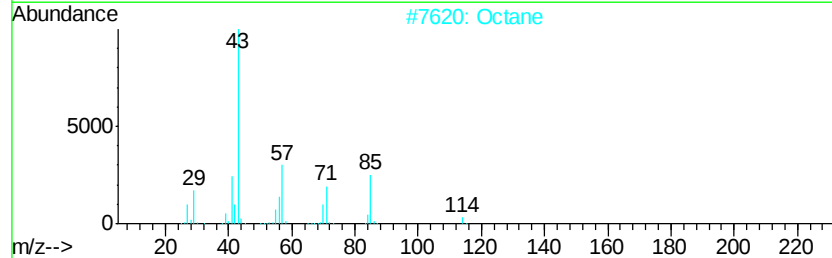
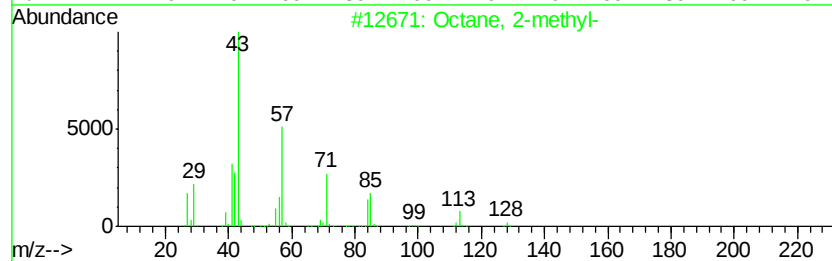
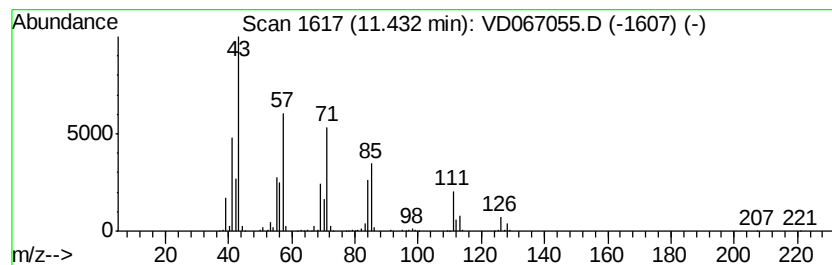
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 1 Octane, 2-methyl- Concentration Rank 7

| R.T.    | EstConc                  | Area         | Relative to ISTD |         | R.T.        |      |
|---------|--------------------------|--------------|------------------|---------|-------------|------|
| 11.43   | 62.27 ug/l               | 2508550      | Chlorobenzene-d5 |         | 11.64       |      |
| Hit# of | 5                        | Tentative ID | MW               | MolForm | CAS#        | Qual |
| 1       | Octane, 2-methyl-        |              | 128              | C9H20   | 003221-61-2 | 68   |
| 2       | Octane                   |              | 114              | C8H18   | 000111-65-9 | 58   |
| 3       | Heptane, 2,4-dimethyl-   |              | 128              | C9H20   | 002213-23-2 | 58   |
| 4       | Hexane, 2,3,4-trimethyl- |              | 128              | C9H20   | 000921-47-1 | 53   |
| 5       | Ether, hexyl pentyl      |              | 172              | C11H24O | 032357-83-8 | 53   |



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ALS Vial : 33 Sample Multiplier: 1

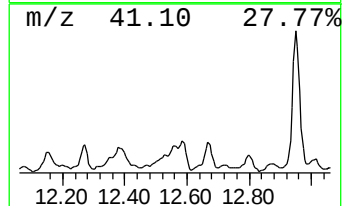
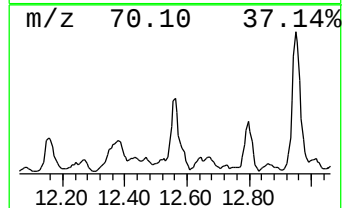
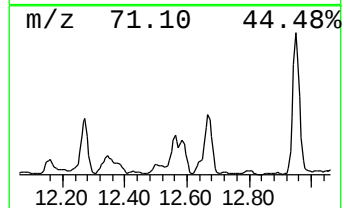
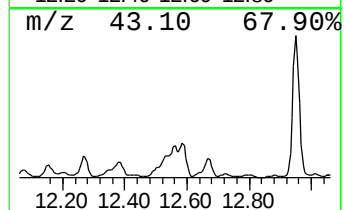
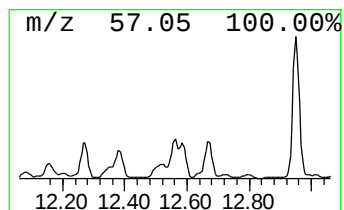
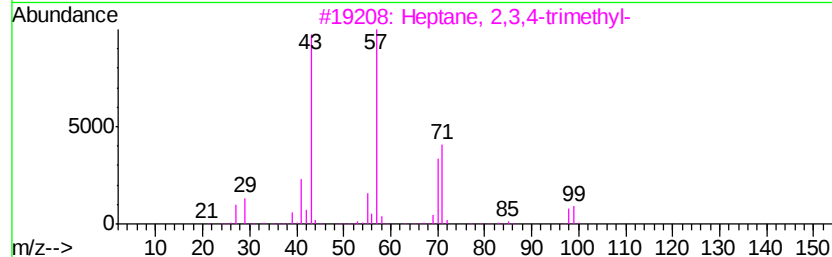
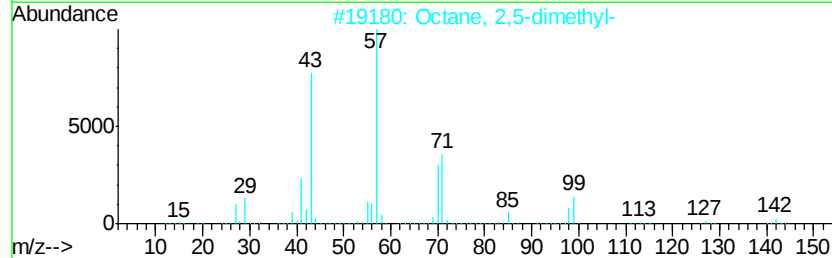
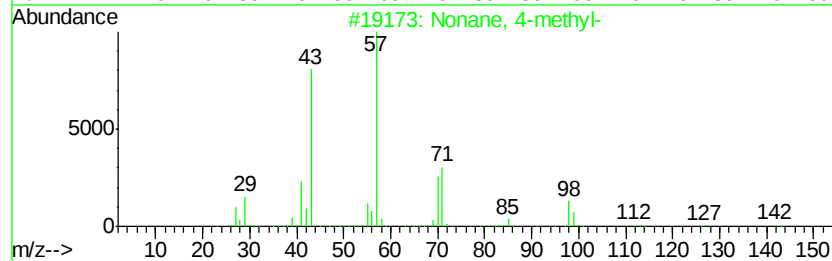
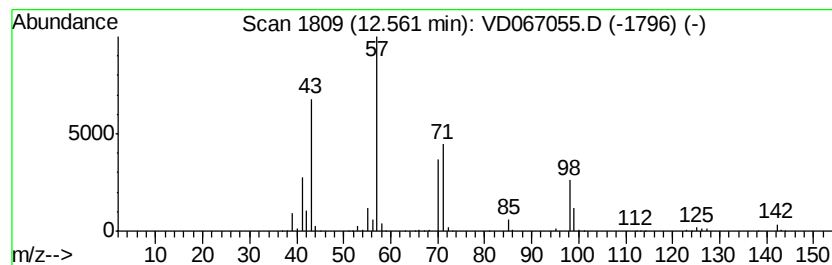
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Nonane, 4-methyl- Concentration Rank 6

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------------|--------------|------------------|-------------|------|------|
| 12.56   | 63.62 ug/l                | 2562770      | Chlorobenzene-d5 | 11.64       |      |      |
| 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 | 87   |      |
| 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 | 50   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

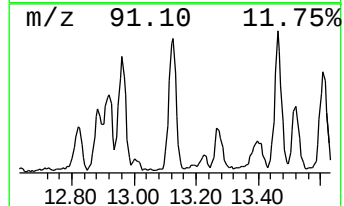
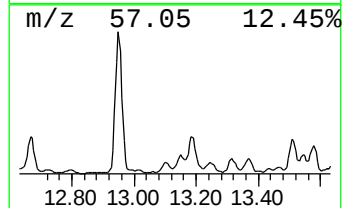
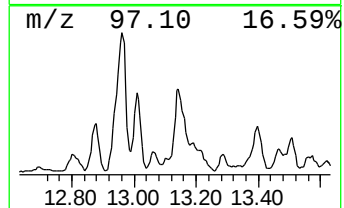
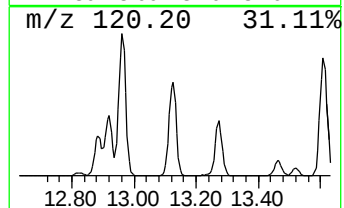
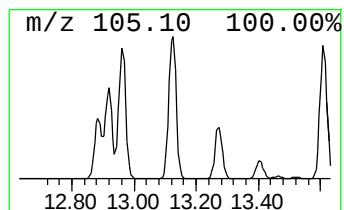
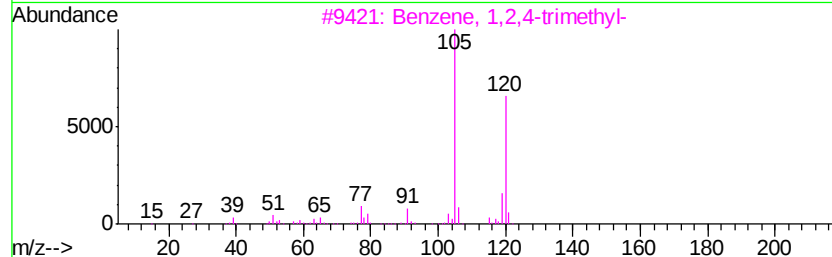
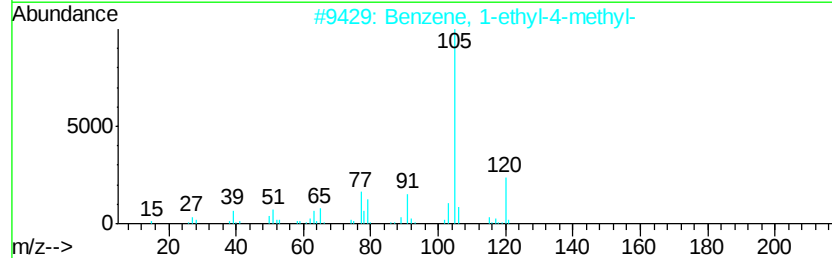
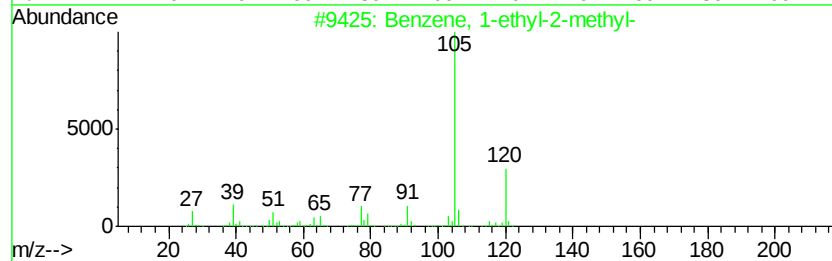
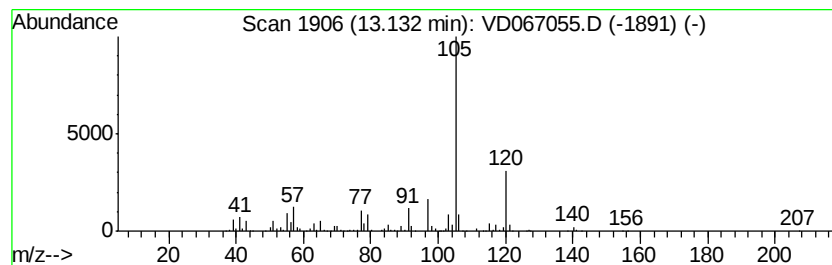
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.13 | 64.85 ug/l | 3688410 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 87   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 87   |
| 5    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

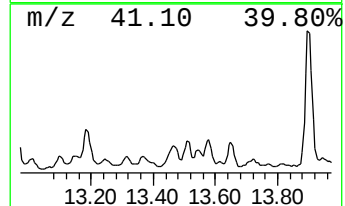
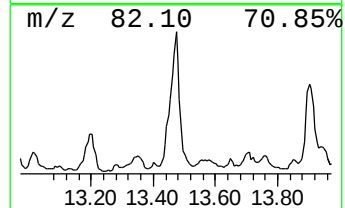
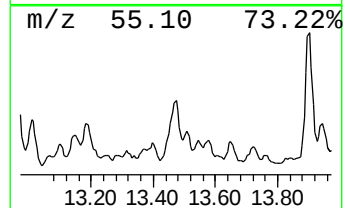
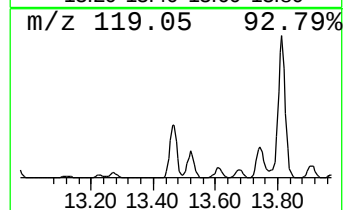
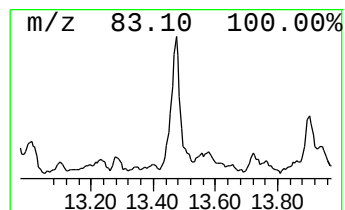
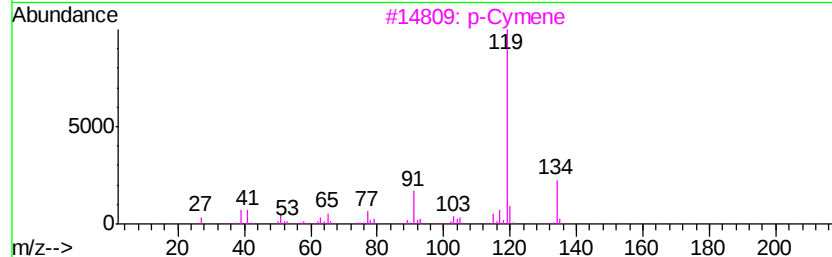
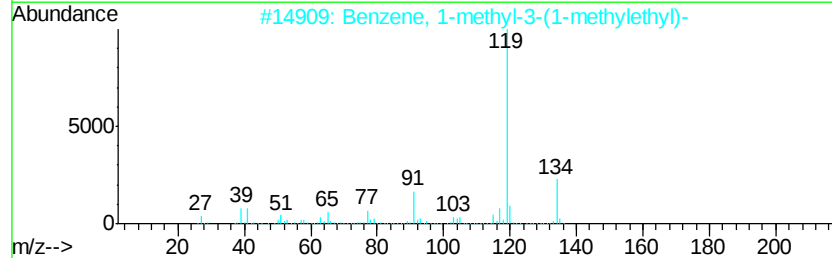
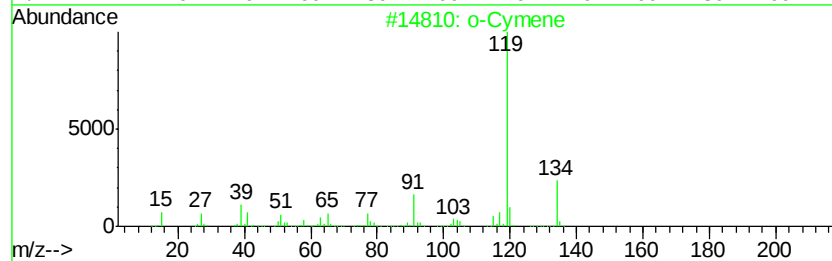
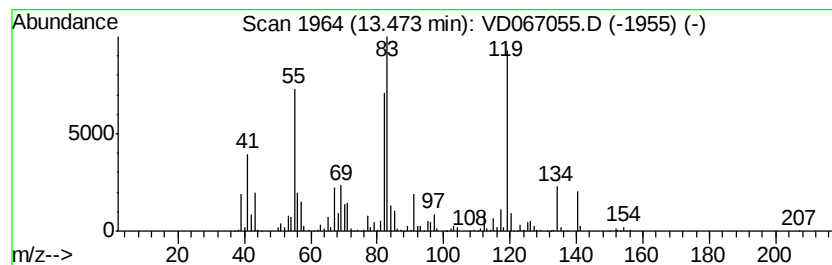
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 o-Cymene Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.47 | 47.31 ug/l | 2690750 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 90   |
| 2       |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 89   |
| 3       |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 86   |
| 4       |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 50   |
| 5       |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

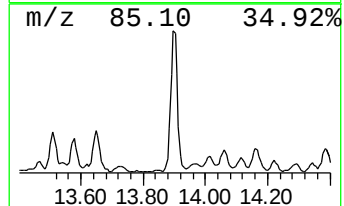
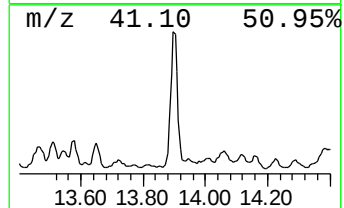
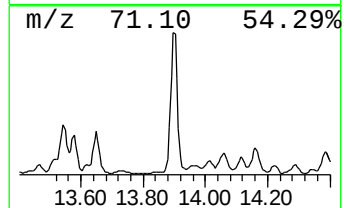
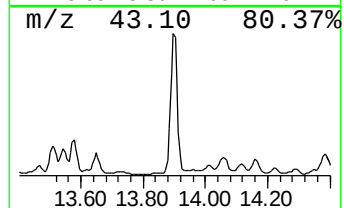
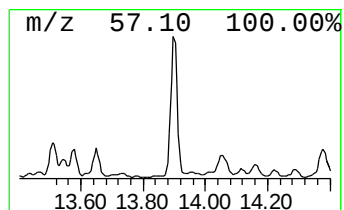
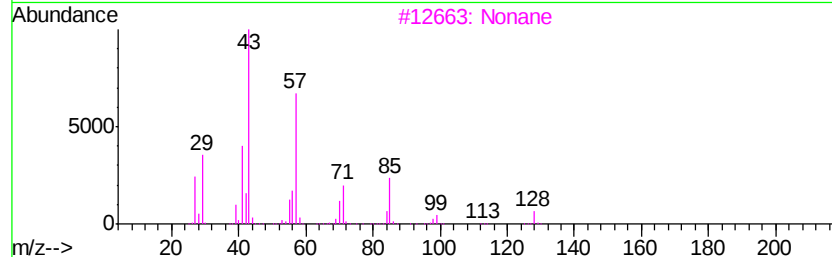
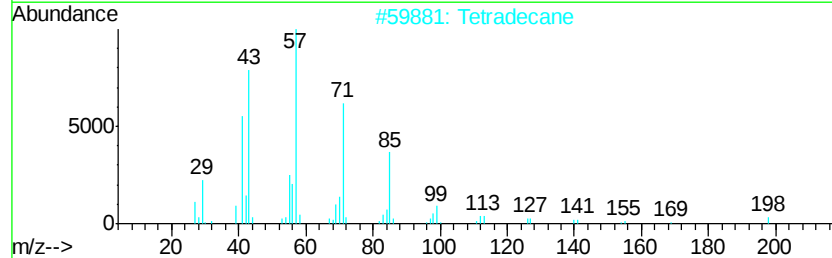
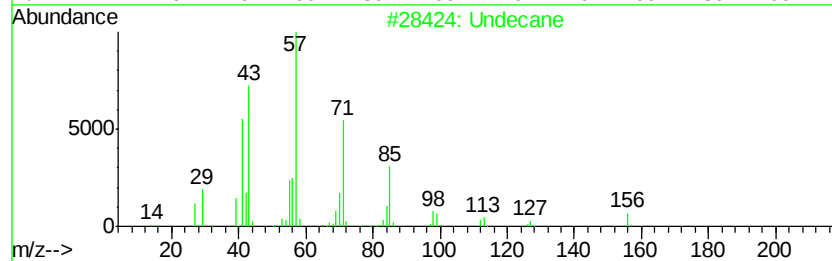
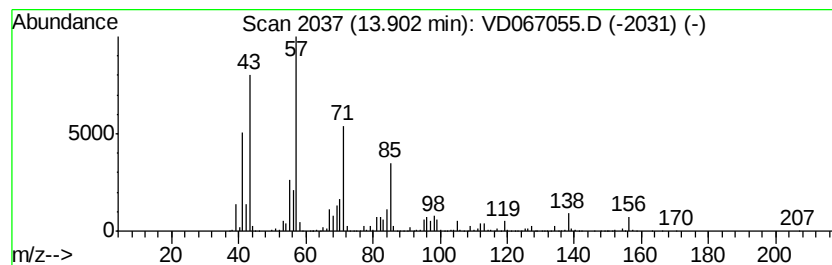
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Undecane Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 13.90 | 143.32 ug/l | 8151090 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------|--------------|-----|---------|-------------|------|
| 1       | Undecane            |              | 156 | C11H24  | 001120-21-4 | 96   |
| 2       | Tetradecane         |              | 198 | C14H30  | 000629-59-4 | 80   |
| 3       | Nonane              |              | 128 | C9H20   | 000111-84-2 | 64   |
| 4       | 10-Methylnonadecane |              | 282 | C20H42  | 056862-62-5 | 59   |
| 5       | Allyl n-octyl ether |              | 170 | C11H22O | 003295-97-4 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

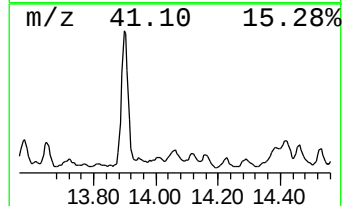
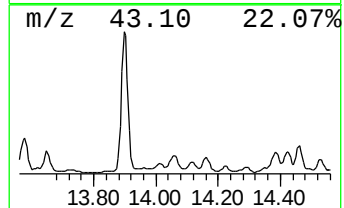
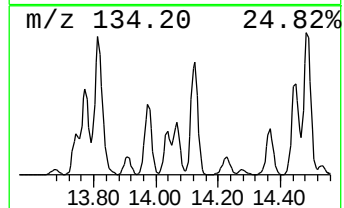
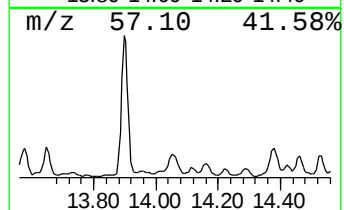
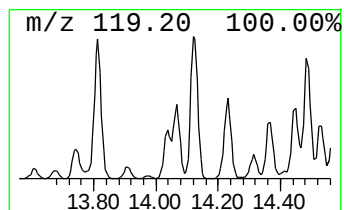
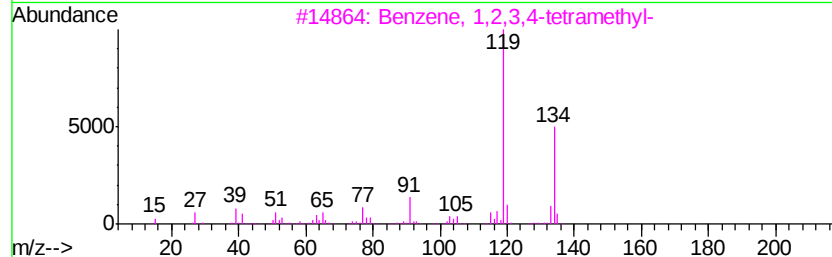
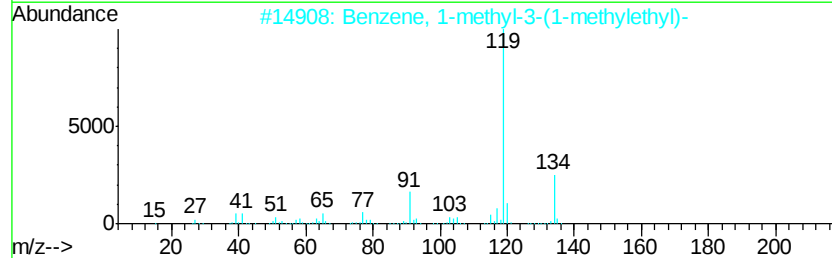
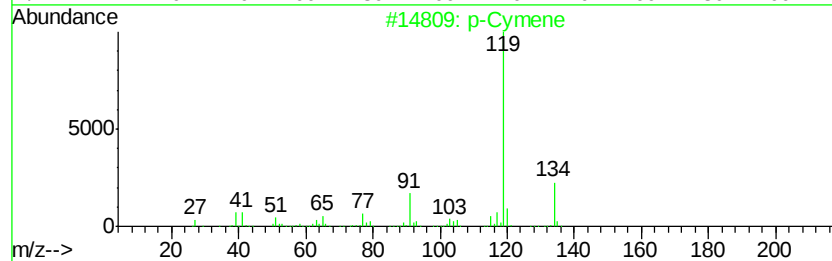
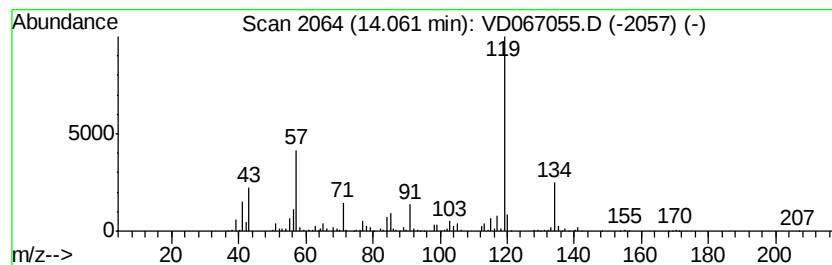
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 p-Cymene Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.06 | 46.07 ug/l | 2619940 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 90   |
| 2    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 90   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 81   |
| 4    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 81   |
| 5    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 81   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

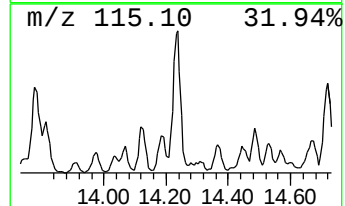
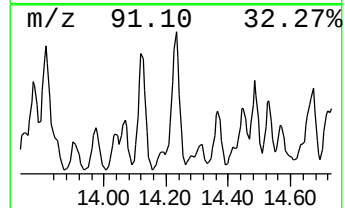
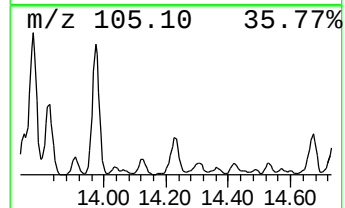
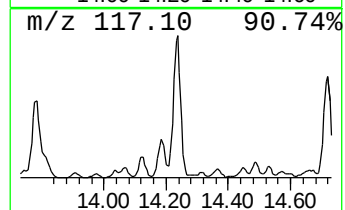
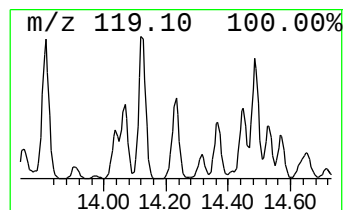
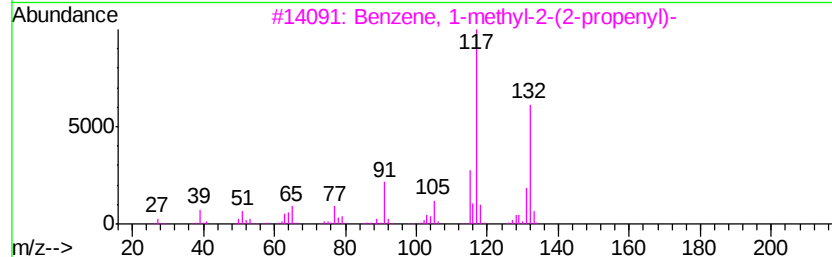
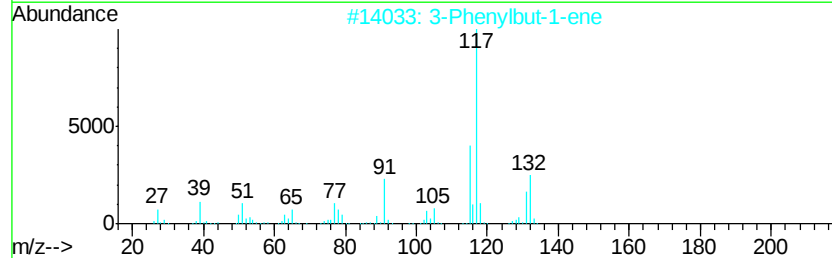
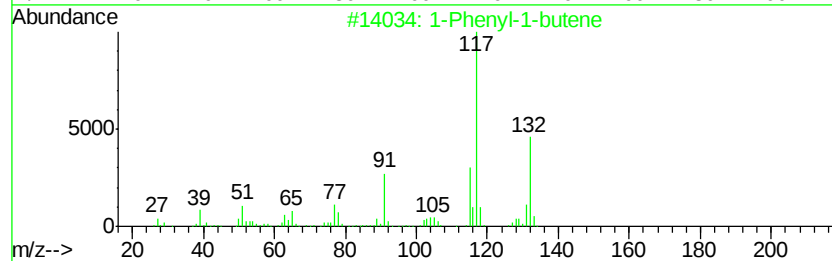
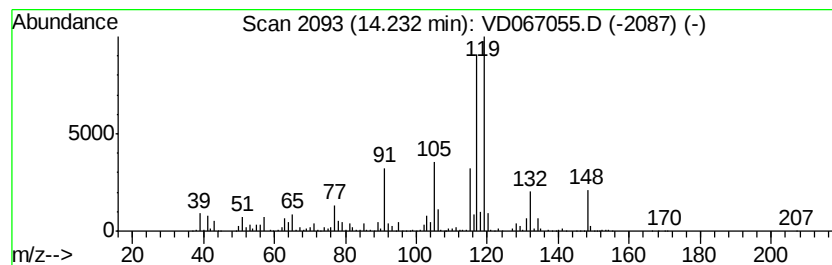
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1-Phenyl-1-butene Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.23 | 51.10 ug/l | 2906470 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8  | 52   |
| 2    |    | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1  | 50   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8  | 50   |
| 4    |    | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1  | 46   |
| 5    |    | Benzene, (2-methylcyclopropyl)-   | 132 | C10H12  | 1000327-39-0 | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

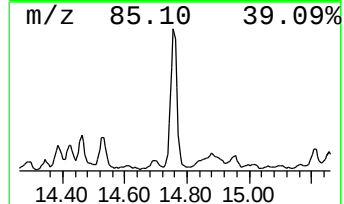
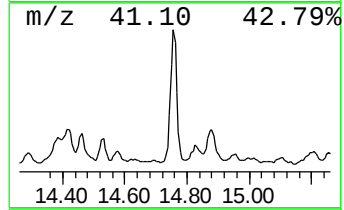
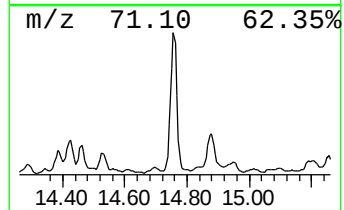
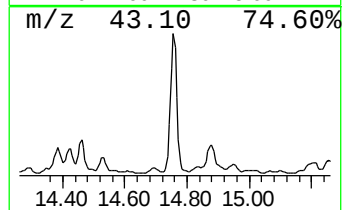
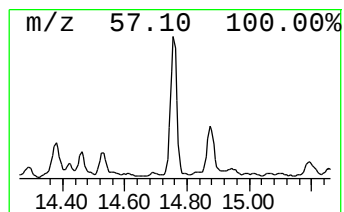
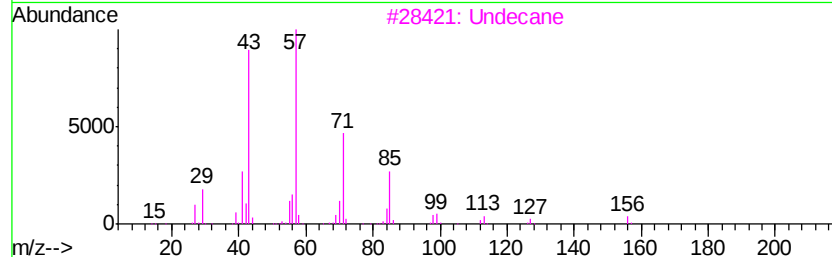
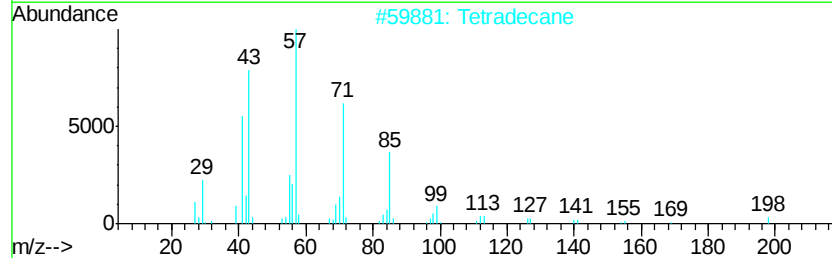
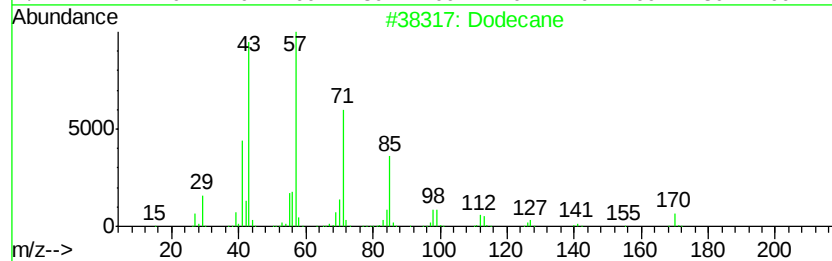
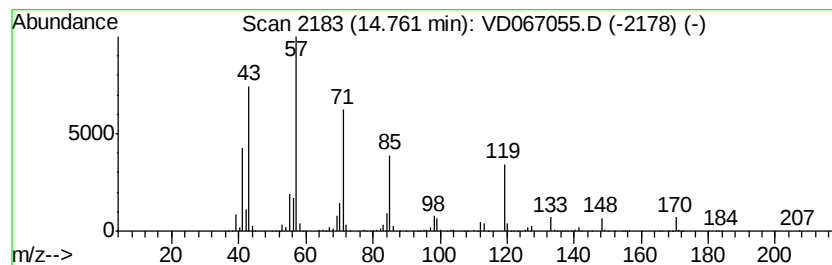
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Dodecane Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.76 | 102.93 ug/l | 5854100 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Dodecane                 |              | 170 | C12H26  | 000112-40-3 | 96   |
| 2       | Tetradecane              |              | 198 | C14H30  | 000629-59-4 | 68   |
| 3       | Undecane                 |              | 156 | C11H24  | 001120-21-4 | 58   |
| 4       | Hexadecane               |              | 226 | C16H34  | 000544-76-3 | 58   |
| 5       | Decane, 2,3,6-trimethyl- |              | 184 | C13H28  | 062238-12-4 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

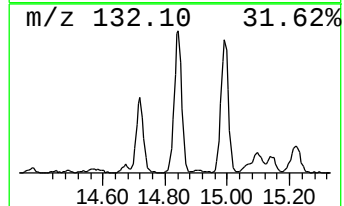
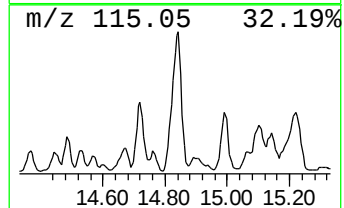
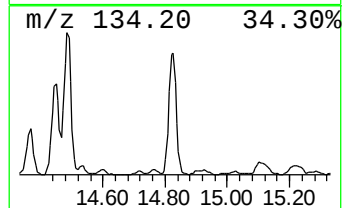
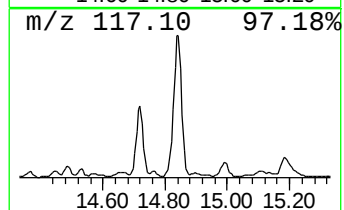
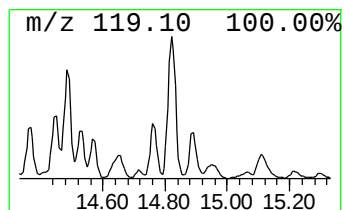
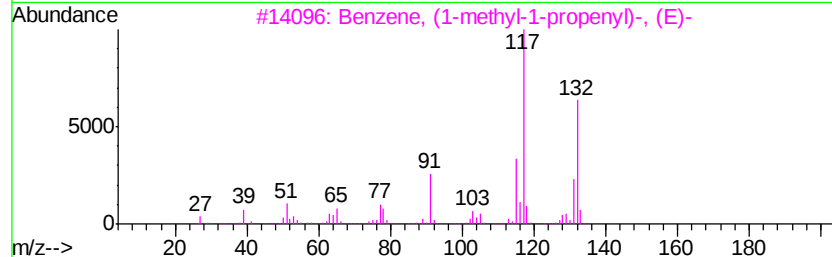
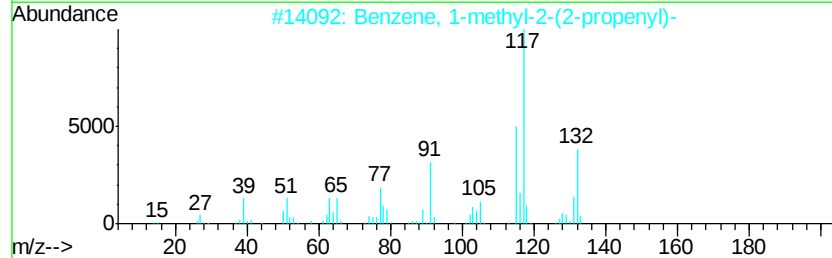
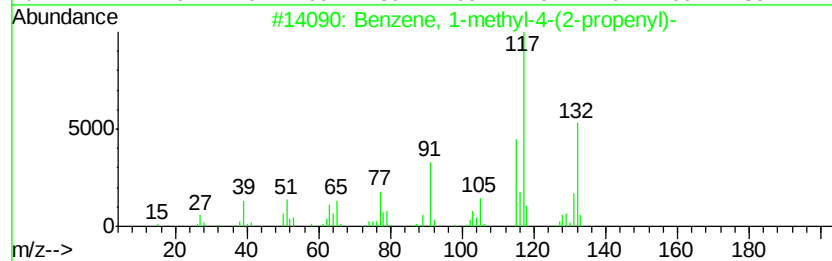
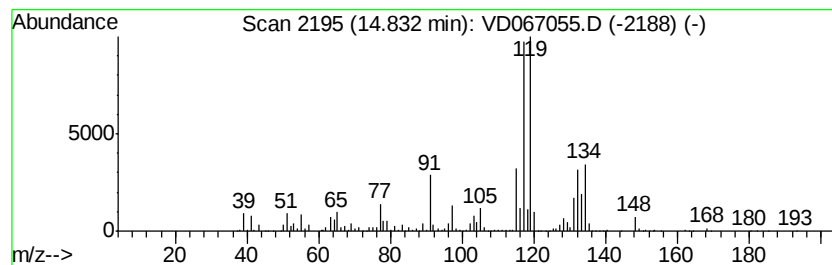
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-methyl-4-(2-prop... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.83 | 105.47 ug/l | 5998440 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 91   |
| 2       |   | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 70   |
| 3       |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 55   |
| 4       |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 55   |
| 5       |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 55   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

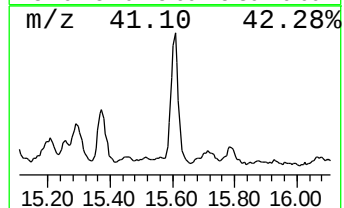
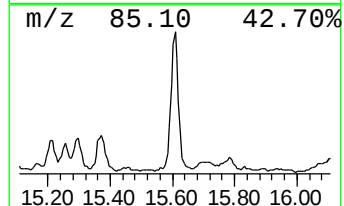
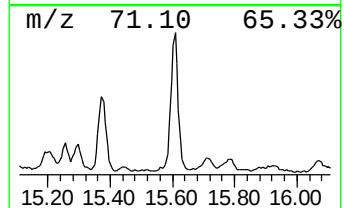
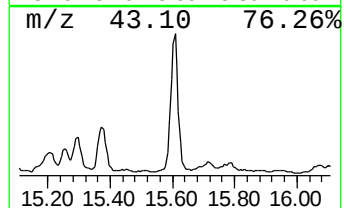
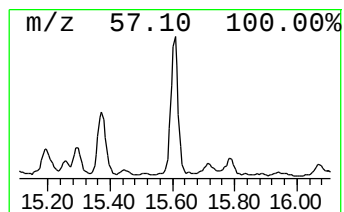
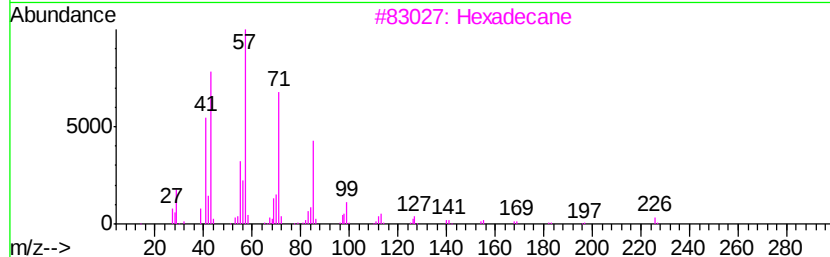
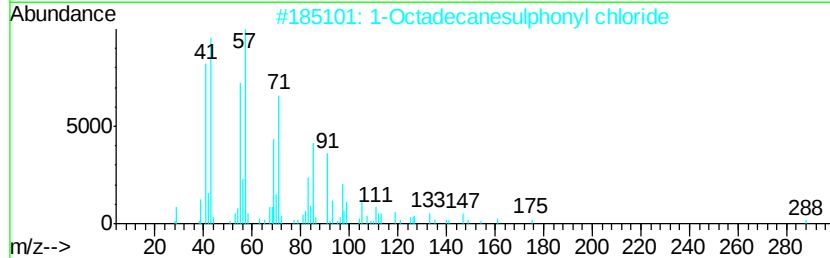
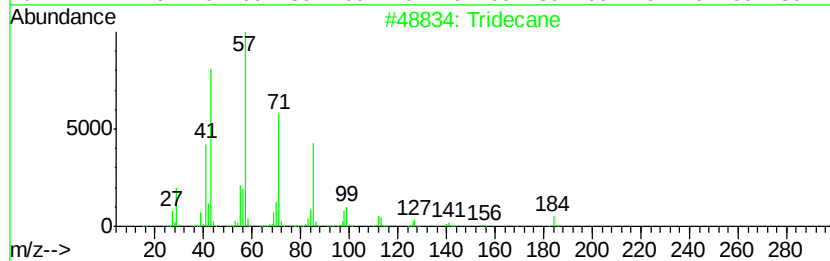
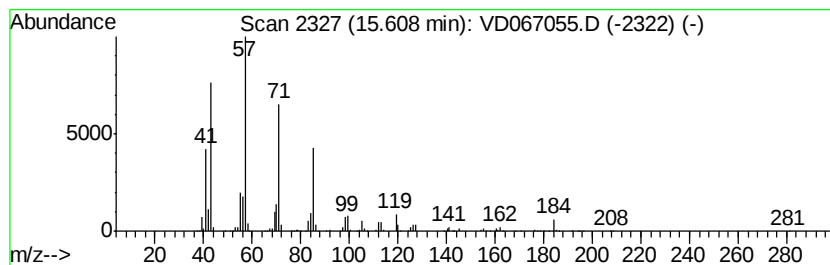
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tridecane Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.61 | 73.76 ug/l | 4195020 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                   | MW  | MolForm     | CAS#         | Qual |
|------|----|--------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Tridecane                      | 184 | C13H28      | 000629-50-5  | 98   |
| 2    |    | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 90   |
| 3    |    | Hexadecane                     | 226 | C16H34      | 000544-76-3  | 87   |
| 4    |    | Tetradecane                    | 198 | C14H30      | 000629-59-4  | 87   |
| 5    |    | Dodecane                       | 170 | C12H26      | 000112-40-3  | 86   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD100220\  
Data File : VD067055.D  
Acq On : 03 Oct 2020 01:32  
Operator : VA/SY  
Sample : L4247-01  
Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Octane, 2-methyl-    | 11.43 | 62.3    | ug/l  | 2508550  | 3                     | 11.64 | 2014090 | 50.0 |
| Nonane, 4-methyl-    | 12.56 | 63.6    | ug/l  | 2562770  | 3                     | 11.64 | 2014090 | 50.0 |
| Benzene, 1-ethyl-... | 13.13 | 64.8    | ug/l  | 3688410  | 4                     | 13.58 | 2843710 | 50.0 |
| o-Cymene             | 13.47 | 47.3    | ug/l  | 2690750  | 4                     | 13.58 | 2843710 | 50.0 |
| Undecane             | 13.90 | 143.3   | ug/l  | 8151090  | 4                     | 13.58 | 2843710 | 50.0 |
| p-Cymene             | 14.06 | 46.1    | ug/l  | 2619940  | 4                     | 13.58 | 2843710 | 50.0 |
| 1-Phenyl-1-butene    | 14.23 | 51.1    | ug/l  | 2906470  | 4                     | 13.58 | 2843710 | 50.0 |
| Dodecane             | 14.76 | 102.9   | ug/l  | 5854100  | 4                     | 13.58 | 2843710 | 50.0 |
| Benzene, 1-methyl... | 14.83 | 105.5   | ug/l  | 5998440  | 4                     | 13.58 | 2843710 | 50.0 |
| Tridecane            | 15.61 | 73.8    | ug/l  | 4195020  | 4                     | 13.58 | 2843710 | 50.0 |