

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
 Data File : VD066960.D  
 Acq On : 30 Sep 2020 02:23  
 Operator : VA/SY  
 Sample : L4179-07  
 Misc : 5.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-11(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\82D092220S.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         | 4.961       | 506           | 517         | 530          | rBV3     | 26273          | 87855         | 3.45%           | 0.332%        |
| 2         | 7.191       | 887           | 896         | 908          | rBV2     | 32080          | 92729         | 3.65%           | 0.351%        |
| 3         | 7.914       | 1007          | 1019        | 1024         | rBV      | 298620         | 722063        | 28.39%          | 2.730%        |
| 4         | 7.979       | 1024          | 1030        | 1041         | rVB      | 564133         | 1265988       | 49.78%          | 4.787%        |
| 5         | 8.332       | 1072          | 1090        | 1100         | rBV3     | 231883         | 612575        | 24.09%          | 2.316%        |
| 6         | 8.861       | 1169          | 1180        | 1193         | rBV      | 817946         | 1626766       | 63.96%          | 6.151%        |
| 7         | 9.349       | 1252          | 1263        | 1270         | rBV4     | 45645          | 105306        | 4.14%           | 0.398%        |
| 8         | 9.973       | 1363          | 1369        | 1373         | rVV5     | 41609          | 79398         | 3.12%           | 0.300%        |
| 9         | 10.114      | 1384          | 1393        | 1404         | rBV3     | 39968          | 94804         | 3.73%           | 0.358%        |
| 10        | 10.338      | 1423          | 1431        | 1447         | rBV      | 1349495        | 2490059       | 97.91%          | 9.415%        |
| 11        | 10.455      | 1447          | 1451        | 1455         | rVV5     | 17131          | 32367         | 1.27%           | 0.122%        |
| 12        | 10.520      | 1455          | 1462        | 1470         | rVB3     | 110632         | 217796        | 8.56%           | 0.824%        |
| 13        | 10.673      | 1484          | 1488        | 1493         | rBV4     | 36315          | 64966         | 2.55%           | 0.246%        |
| 14        | 10.720      | 1493          | 1496        | 1500         | rVV      | 30116          | 46212         | 1.82%           | 0.175%        |
| 15        | 10.779      | 1500          | 1506        | 1511         | rVB3     | 26988          | 53928         | 2.12%           | 0.204%        |
| 16        | 10.861      | 1516          | 1520        | 1526         | rVB4     | 22872          | 38009         | 1.49%           | 0.144%        |
| 17        | 10.949      | 1529          | 1535        | 1540         | rBV3     | 46911          | 84825         | 3.34%           | 0.321%        |
| 18        | 11.049      | 1548          | 1552        | 1555         | rBV2     | 26769          | 45877         | 1.80%           | 0.173%        |
| 19        | 11.079      | 1555          | 1557        | 1560         | rVV4     | 21639          | 29415         | 1.16%           | 0.111%        |
| 20        | 11.120      | 1561          | 1564        | 1568         | rVV4     | 24235          | 39617         | 1.56%           | 0.150%        |
| 21        | 11.191      | 1568          | 1576        | 1580         | rVV2     | 73790          | 151299        | 5.95%           | 0.572%        |
| 22        | 11.243      | 1580          | 1585        | 1590         | rVV      | 104726         | 191378        | 7.52%           | 0.724%        |
| 23        | 11.355      | 1598          | 1604        | 1608         | rBV3     | 56149          | 97805         | 3.85%           | 0.370%        |
| 24        | 11.426      | 1608          | 1616        | 1628         | rVB5     | 145356         | 415096        | 16.32%          | 1.570%        |
| 25        | 11.526      | 1628          | 1633        | 1639         | rBV      | 131816         | 214410        | 8.43%           | 0.811%        |
| 26        | 11.643      | 1645          | 1653        | 1663         | rBV      | 1329732        | 2274596       | 89.43%          | 8.601%        |
| 27        | 11.743      | 1663          | 1670        | 1673         | rBV2     | 46150          | 83650         | 3.29%           | 0.316%        |
| 28        | 11.855      | 1679          | 1689        | 1698         | rBV3     | 287771         | 657348        | 25.85%          | 2.486%        |
| 29        | 11.926      | 1698          | 1701        | 1707         | rVB4     | 71392          | 127522        | 5.01%           | 0.482%        |
| 30        | 11.990      | 1707          | 1712        | 1719         | rBV8     | 18237          | 47826         | 1.88%           | 0.181%        |
| 31        | 12.079      | 1719          | 1727        | 1732         | rVB6     | 29088          | 65792         | 2.59%           | 0.249%        |
| 32        | 12.155      | 1732          | 1740        | 1743         | rBV4     | 138111         | 302233        | 11.88%          | 1.143%        |
| 33        | 12.267      | 1752          | 1759        | 1764         | rVB      | 123147         | 211205        | 8.30%           | 0.799%        |
| 34        | 12.355      | 1768          | 1774        | 1775         | rVV3     | 92708          | 135904        | 5.34%           | 0.514%        |

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 Misc : 5.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-11(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\82D092220S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 12.385 | 1776 | 1779 | 1787 | rVB5 | 125320  | 257572  | 10.13%  | 0.974% |
| 36 | 12.532 | 1800 | 1804 | 1805 | rVV3 | 72074   | 114705  | 4.51%   | 0.434% |
| 37 | 12.561 | 1805 | 1809 | 1811 | rVV2 | 128076  | 214079  | 8.42%   | 0.809% |
| 38 | 12.585 | 1811 | 1813 | 1816 | rVV  | 112844  | 138322  | 5.44%   | 0.523% |
| 39 | 12.632 | 1816 | 1821 | 1832 | rVV  | 1087683 | 1945672 | 76.50%  | 7.357% |
| 40 | 12.720 | 1832 | 1836 | 1841 | rVB7 | 28150   | 39074   | 1.54%   | 0.148% |
| 41 | 12.796 | 1844 | 1849 | 1857 | rVB5 | 127625  | 266532  | 10.48%  | 1.008% |
| 42 | 12.885 | 1857 | 1864 | 1867 | rBV2 | 139488  | 270026  | 10.62%  | 1.021% |
| 43 | 12.949 | 1867 | 1875 | 1882 | rVV3 | 547997  | 1165544 | 45.83%  | 4.407% |
| 44 | 13.008 | 1883 | 1885 | 1891 | rVB3 | 78094   | 114039  | 4.48%   | 0.431% |
| 45 | 13.126 | 1896 | 1905 | 1911 | rBV5 | 127390  | 385183  | 15.15%  | 1.456% |
| 46 | 13.190 | 1911 | 1916 | 1922 | rVV  | 191718  | 321244  | 12.63%  | 1.215% |
| 47 | 13.273 | 1924 | 1930 | 1934 | rVV2 | 111795  | 196925  | 7.74%   | 0.745% |
| 48 | 13.314 | 1934 | 1937 | 1942 | rVV4 | 36984   | 53965   | 2.12%   | 0.204% |
| 49 | 13.367 | 1942 | 1946 | 1949 | rVV5 | 34679   | 53356   | 2.10%   | 0.202% |
| 50 | 13.402 | 1949 | 1952 | 1956 | rVB3 | 38051   | 49272   | 1.94%   | 0.186% |
| 51 | 13.467 | 1956 | 1963 | 1967 | rBV3 | 142039  | 292028  | 11.48%  | 1.104% |
| 52 | 13.508 | 1967 | 1970 | 1974 | rVV3 | 101466  | 156715  | 6.16%   | 0.593% |
| 53 | 13.579 | 1974 | 1982 | 1991 | rVB  | 1437692 | 2543299 | 100.00% | 9.617% |
| 54 | 13.649 | 1991 | 1994 | 1999 | rVB3 | 80122   | 105317  | 4.14%   | 0.398% |
| 55 | 13.732 | 1999 | 2008 | 2011 | rBV8 | 54604   | 153341  | 6.03%   | 0.580% |
| 56 | 13.773 | 2011 | 2015 | 2019 | rVV2 | 132472  | 204766  | 8.05%   | 0.774% |
| 57 | 13.820 | 2019 | 2023 | 2031 | rVB4 | 104834  | 211249  | 8.31%   | 0.799% |
| 58 | 13.902 | 2031 | 2037 | 2042 | rBV2 | 430416  | 679347  | 26.71%  | 2.569% |
| 59 | 13.973 | 2047 | 2049 | 2053 | rVB  | 44498   | 48511   | 1.91%   | 0.183% |
| 60 | 14.043 | 2057 | 2061 | 2062 | rBV3 | 44908   | 57938   | 2.28%   | 0.219% |
| 61 | 14.120 | 2070 | 2074 | 2078 | rVB  | 107639  | 159510  | 6.27%   | 0.603% |
| 62 | 14.232 | 2088 | 2093 | 2098 | rVB2 | 142058  | 233034  | 9.16%   | 0.881% |
| 63 | 14.296 | 2098 | 2104 | 2110 | rVB9 | 41421   | 99399   | 3.91%   | 0.376% |
| 64 | 14.367 | 2110 | 2116 | 2120 | rBV4 | 69538   | 165750  | 6.52%   | 0.627% |
| 65 | 14.414 | 2120 | 2124 | 2127 | rVV5 | 97452   | 170731  | 6.71%   | 0.646% |
| 66 | 14.449 | 2128 | 2130 | 2134 | rVV4 | 59729   | 102398  | 4.03%   | 0.387% |
| 67 | 14.484 | 2134 | 2136 | 2140 | rVB  | 78821   | 90719   | 3.57%   | 0.343% |
| 68 | 14.532 | 2140 | 2144 | 2147 | rBV5 | 64556   | 88028   | 3.46%   | 0.333% |
| 69 | 14.573 | 2147 | 2151 | 2158 | rVB5 | 65991   | 109293  | 4.30%   | 0.413% |
| 70 | 14.632 | 2158 | 2161 | 2164 | rBV5 | 19283   | 25583   | 1.01%   | 0.097% |
| 71 | 14.714 | 2171 | 2175 | 2178 | rBV3 | 49517   | 74462   | 2.93%   | 0.282% |

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 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-11(0-1)

## 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\_D\METHOD\82D092220S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 14.755 | 2178 | 2182 | 2189 | rVB2 | 201668 | 311355 | 12.24% | 1.177% |
| 73 | 14.837 | 2189 | 2196 | 2200 | rBV4 | 165734 | 404405 | 15.90% | 1.529% |
| 74 | 14.990 | 2217 | 2222 | 2229 | rVB2 | 86901  | 153969 | 6.05%  | 0.582% |
| 75 | 15.102 | 2237 | 2241 | 2245 | rVB6 | 36895  | 48438  | 1.90%  | 0.183% |
| 76 | 15.214 | 2253 | 2260 | 2266 | rBV5 | 49327  | 125192 | 4.92%  | 0.473% |
| 77 | 15.290 | 2269 | 2273 | 2281 | rVB9 | 51968  | 106226 | 4.18%  | 0.402% |
| 78 | 15.373 | 2281 | 2287 | 2292 | rBV2 | 69740  | 158294 | 6.22%  | 0.599% |
| 79 | 15.461 | 2298 | 2302 | 2307 | rBV6 | 27292  | 43599  | 1.71%  | 0.165% |
| 80 | 15.520 | 2308 | 2312 | 2316 | rBV7 | 16129  | 35400  | 1.39%  | 0.134% |
| 81 | 15.608 | 2322 | 2327 | 2336 | rVB2 | 101577 | 194629 | 7.65%  | 0.736% |
| 82 | 15.714 | 2336 | 2345 | 2352 | rBV9 | 30750  | 86193  | 3.39%  | 0.326% |
| 83 | 15.784 | 2353 | 2357 | 2366 | rVV9 | 29728  | 63919  | 2.51%  | 0.242% |
| 84 | 15.879 | 2368 | 2373 | 2375 | rVV5 | 25406  | 45604  | 1.79%  | 0.172% |
| 85 | 15.920 | 2375 | 2380 | 2388 | rVB7 | 50330  | 105698 | 4.16%  | 0.400% |
| 86 | 16.078 | 2402 | 2407 | 2408 | rBV5 | 19028  | 25860  | 1.02%  | 0.098% |
| 87 | 16.237 | 2426 | 2434 | 2440 | rBV8 | 30106  | 70675  | 2.78%  | 0.267% |
| 88 | 16.355 | 2451 | 2454 | 2460 | rVB5 | 19475  | 35693  | 1.40%  | 0.135% |
| 89 | 16.443 | 2464 | 2469 | 2474 | rVV8 | 20030  | 45503  | 1.79%  | 0.172% |
| 90 | 16.502 | 2476 | 2479 | 2485 | rVV2 | 44452  | 88390  | 3.48%  | 0.334% |
| 91 | 16.573 | 2486 | 2491 | 2497 | rVB7 | 35909  | 70571  | 2.77%  | 0.267% |
| 92 | 16.708 | 2506 | 2514 | 2515 | rBV7 | 34613  | 63514  | 2.50%  | 0.240% |

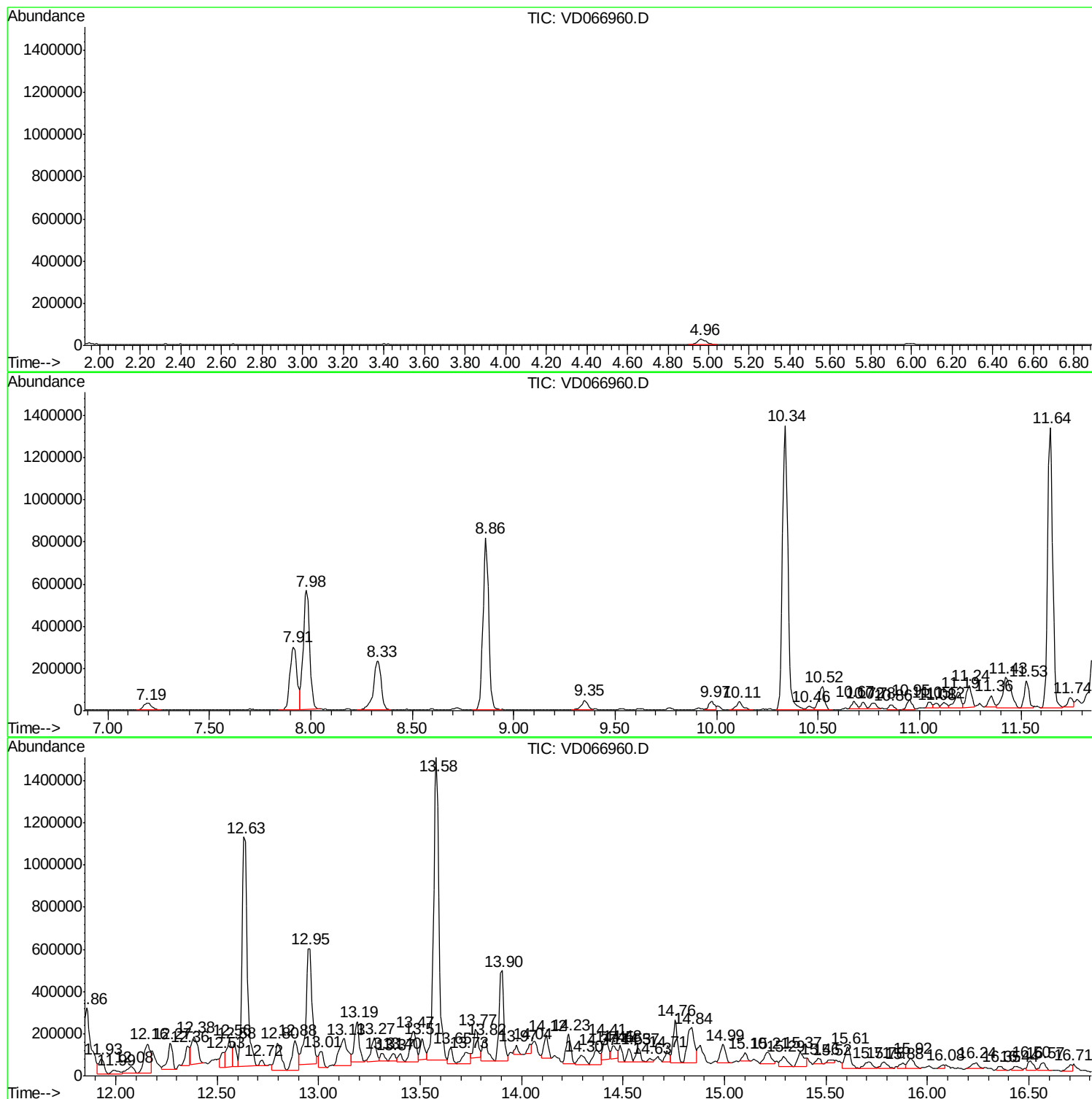
Sum of corrected areas: 26446674

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
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Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

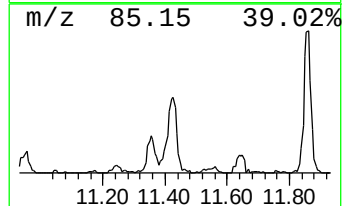
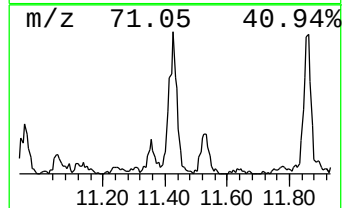
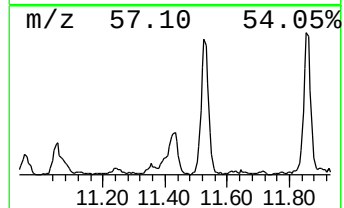
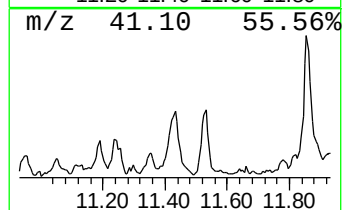
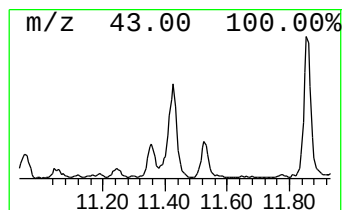
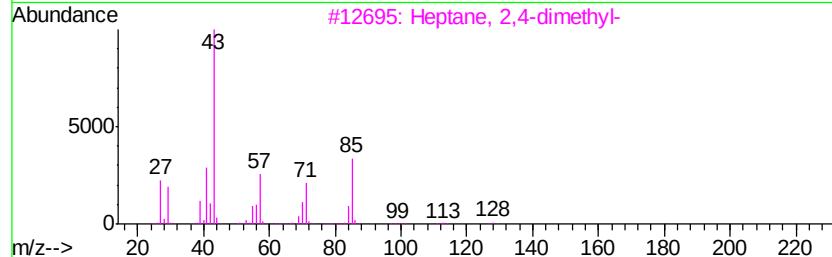
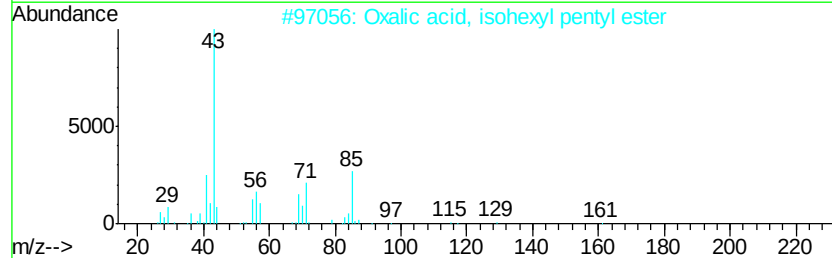
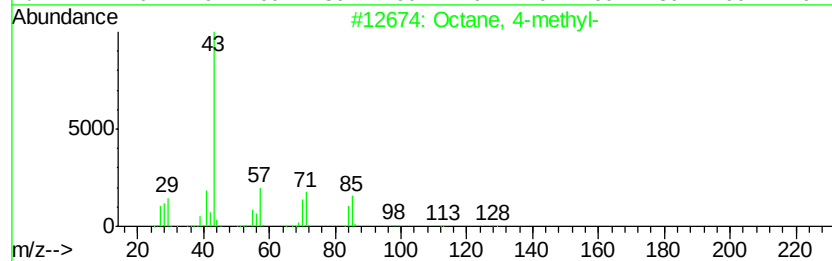
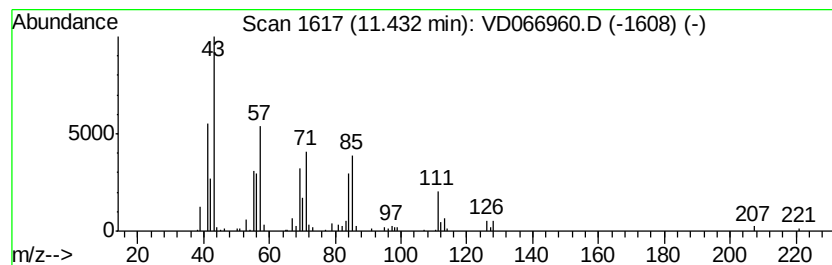
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Octane, 4-methyl- Concentration Rank 3

| R.T.    | EstConc   | Area                               | Relative to ISTD | R.T.     |              |      |
|---------|-----------|------------------------------------|------------------|----------|--------------|------|
| 11.43   | 9.12 ug/l | 415096                             | Chlorobenzene-d5 | 11.64    |              |      |
| Hit# of | 5         | Tentative ID                       | MW               | MolForm  | CAS#         | Qual |
| 1       |           | Octane, 4-methyl-                  | 128              | C9H20    | 002216-34-4  | 59   |
| 2       |           | Oxalic acid, isohexyl pentyl ester | 244              | C13H24O4 | 1000309-32-8 | 59   |
| 3       |           | Heptane, 2,4-dimethyl-             | 128              | C9H20    | 002213-23-2  | 52   |
| 4       |           | Heptane, 2,3-dimethyl-             | 128              | C9H20    | 003074-71-3  | 52   |
| 5       |           | Hexane, 2,3,4-trimethyl-           | 128              | C9H20    | 000921-47-1  | 50   |



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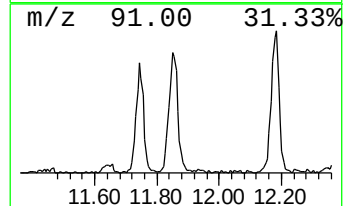
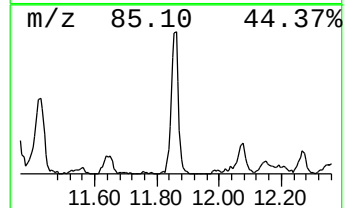
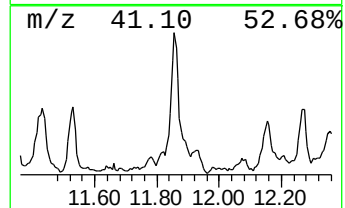
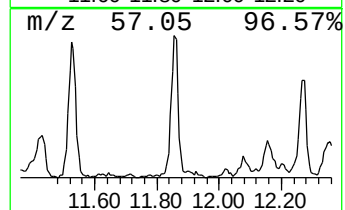
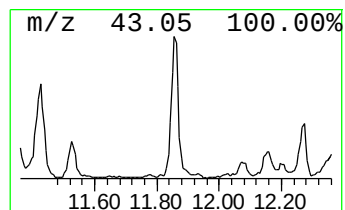
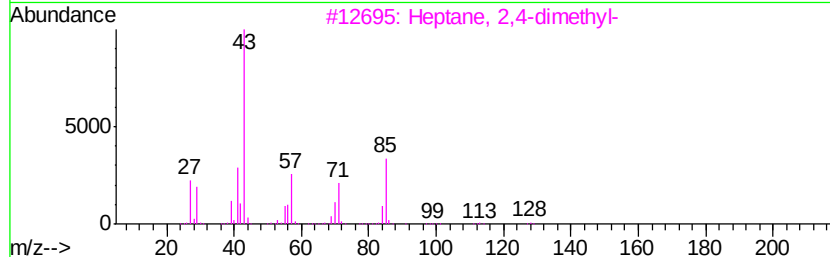
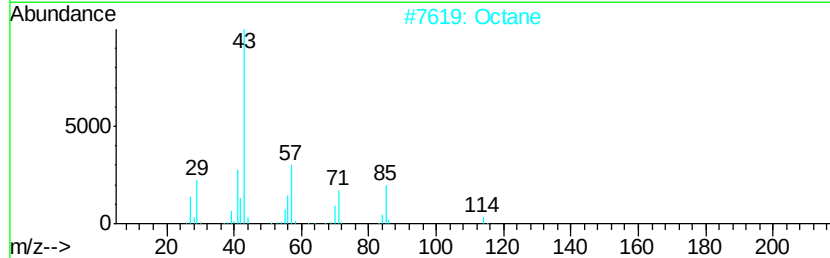
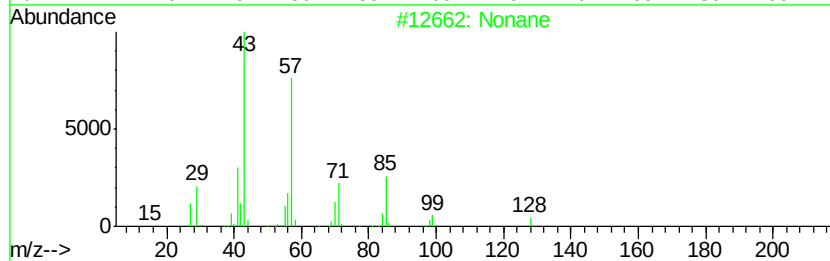
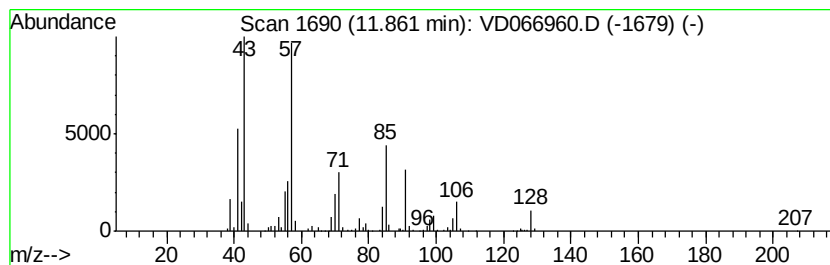
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Nonane Concentration Rank 1

| R.T.    | EstConc                            | Area         | Relative to ISTD | R.T.      |              |      |
|---------|------------------------------------|--------------|------------------|-----------|--------------|------|
| 11.86   | 14.45 ug/l                         | 657348       | Chlorobenzene-d5 | 11.64     |              |      |
| Hit# of | 5                                  | Tentative ID | MW               | MolForm   | CAS#         | Qual |
| 1       | Nonane                             |              | 128              | C9H20     | 000111-84-2  | 91   |
| 2       | Octane                             |              | 114              | C8H18     | 000111-65-9  | 53   |
| 3       | Heptane, 2,4-dimethyl-             |              | 128              | C9H20     | 002213-23-2  | 47   |
| 4       | Hexane, 2,4-dimethyl-              |              | 114              | C8H18     | 000589-43-5  | 43   |
| 5       | Sulfurous acid, hexyl heptyl ester |              | 264              | C13H28O3S | 1000309-12-9 | 38   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

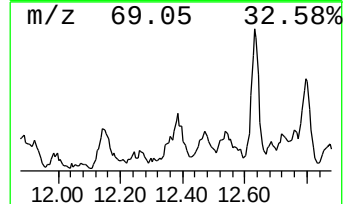
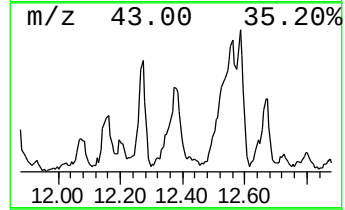
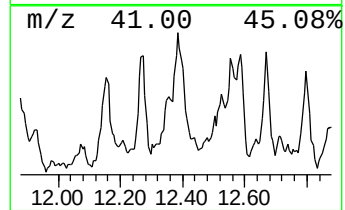
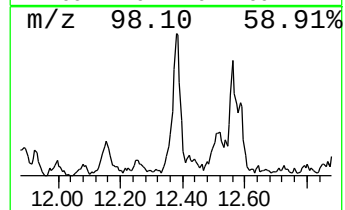
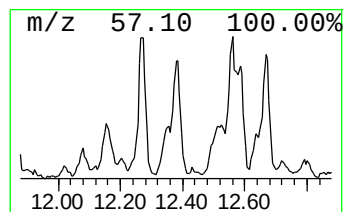
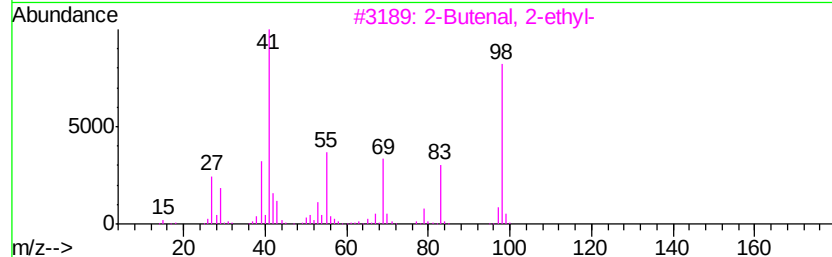
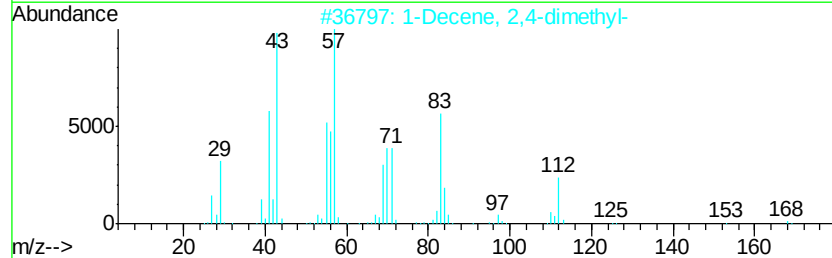
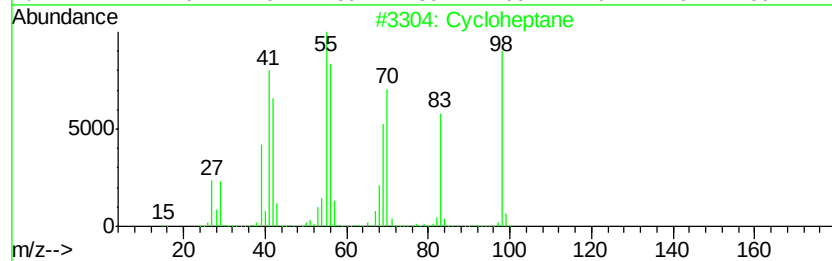
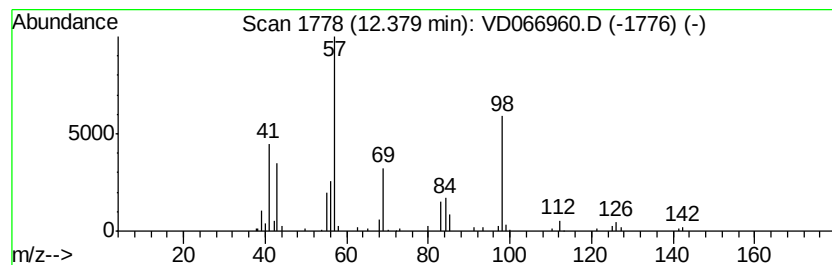
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown12.38 Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 12.38 | 5.66 ug/l | 257572 | Chlorobenzene-d5 | 11.64 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cycloheptane                     | 98  | C7H14   | 000291-64-5 | 49   |
| 2    |    | 1-Decene, 2,4-dimethyl-          | 168 | C12H24  | 055170-80-4 | 47   |
| 3    |    | 2-Butenal, 2-ethyl-              | 98  | C6H10O  | 019780-25-7 | 43   |
| 4    |    | 1,3-Cyclohexanedione, 2-methyl-  | 126 | C7H10O2 | 001193-55-1 | 43   |
| 5    |    | Cyclopentanone, 2,4,4-trimethyl- | 126 | C8H14O  | 004694-12-6 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

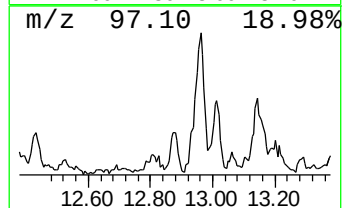
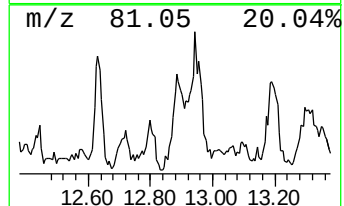
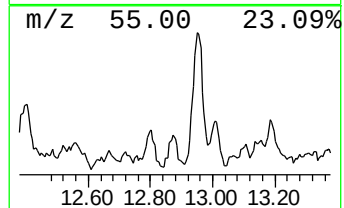
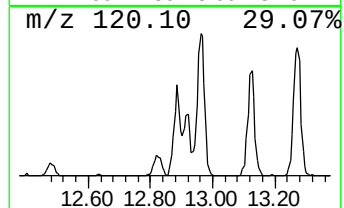
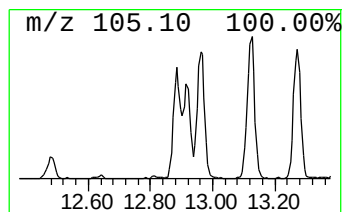
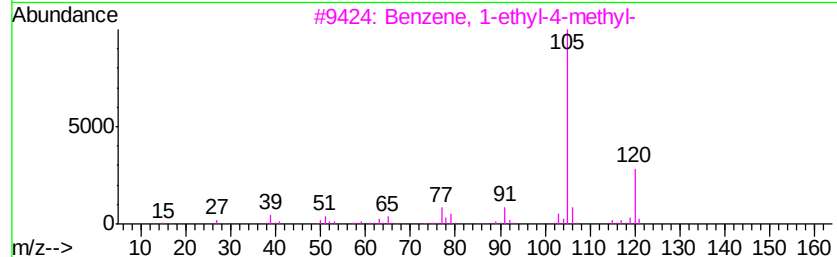
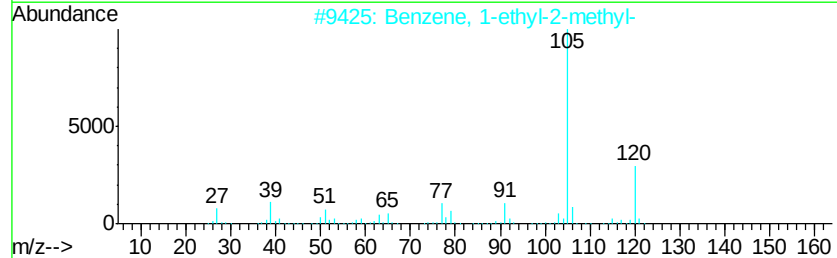
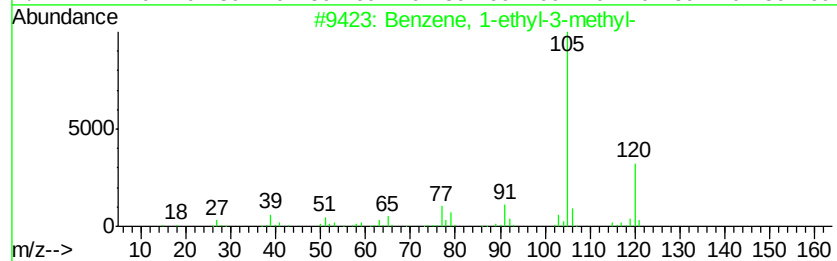
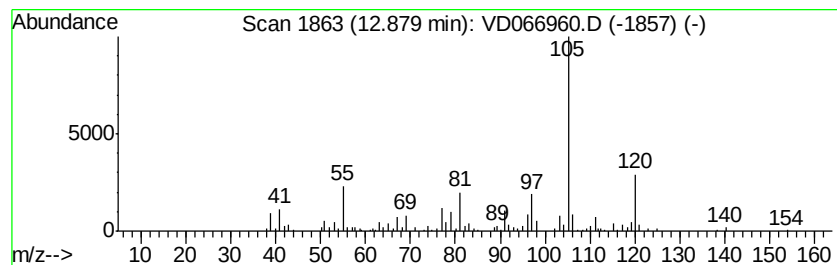
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Quant Title : SW846 8260

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

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Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.88 | 5.31 ug/l | 270026 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 76   |
| 4    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 70   |
| 5    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 70   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

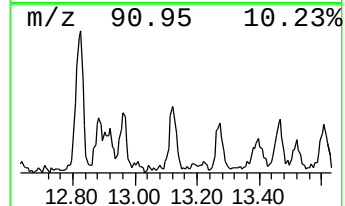
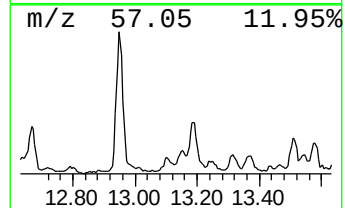
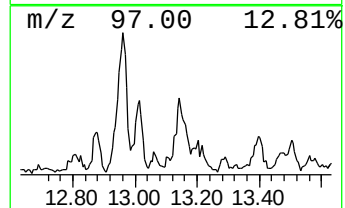
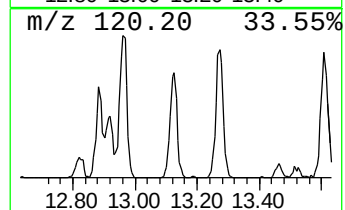
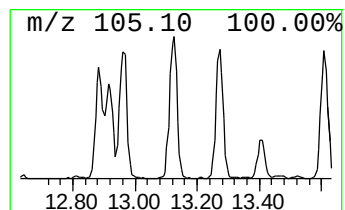
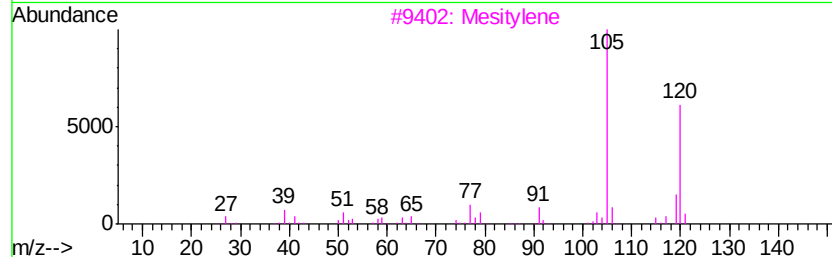
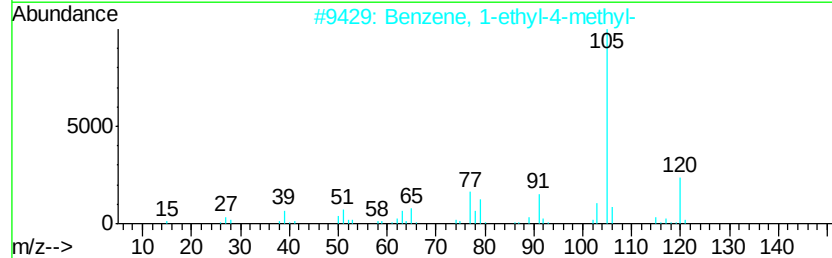
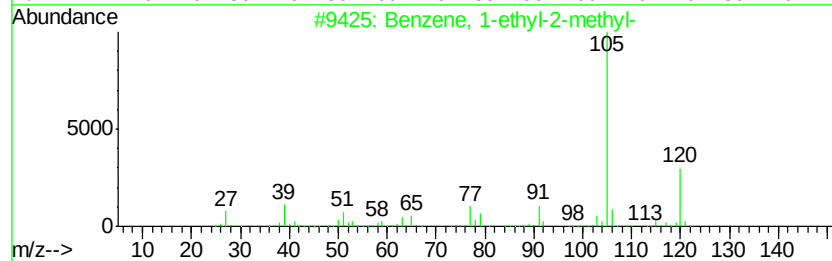
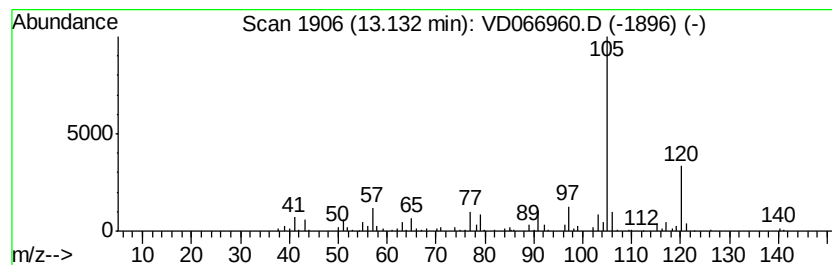
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Quant Title : SW846 8260

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

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

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.13 | 7.57 ug/l | 385183 | 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 | 95   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

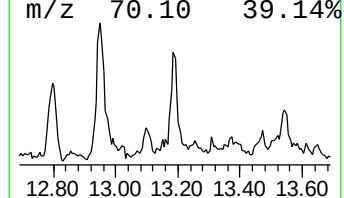
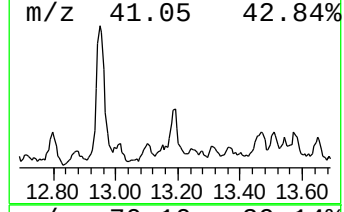
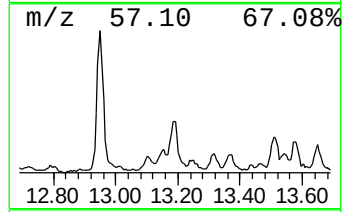
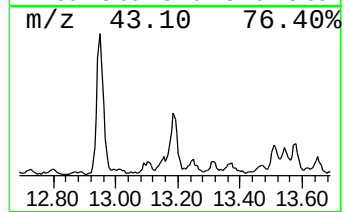
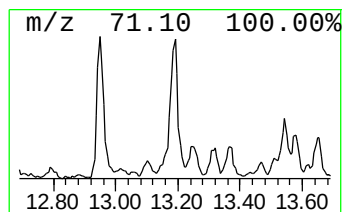
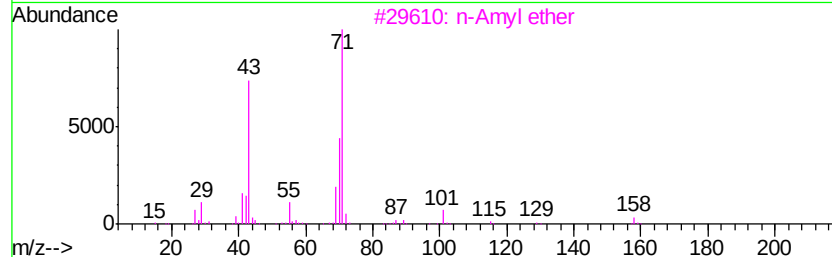
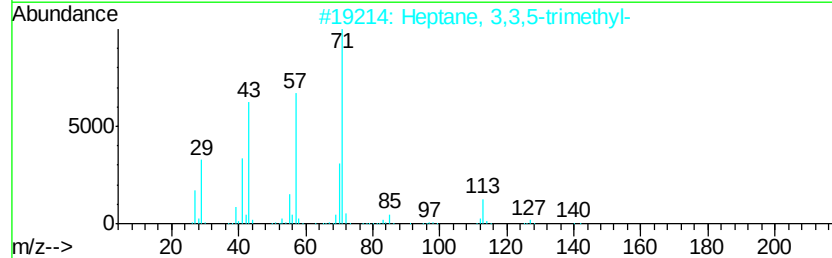
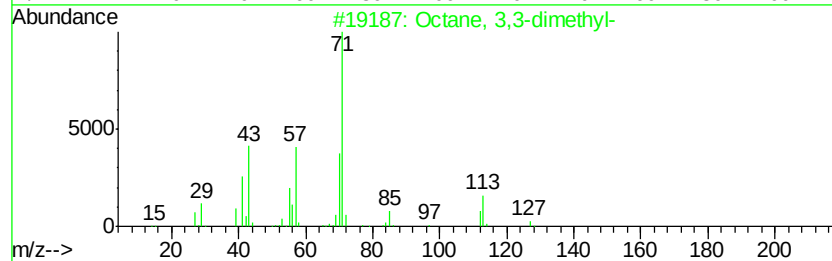
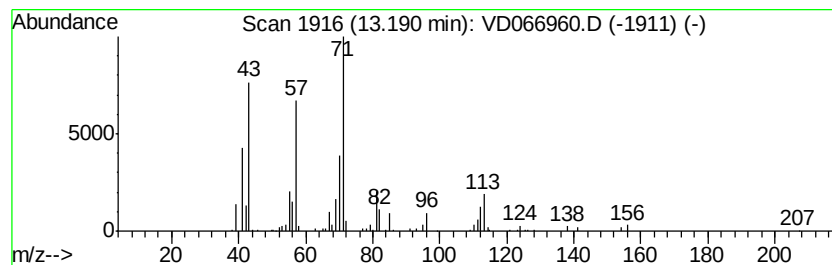
Instrument :  
MSVOA\_D  
ClientSampled :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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

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Peak Number 6 Octane, 3,3-dimethyl- Concentration Rank 6

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.            |
|---------|-----------|-------------------------------------|------------------------|-----------------|
| 13.19   | 6.32 ug/l | 321244                              | 1,4-Dichlorobenzene-d4 | 13.58           |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |           | Octane, 3,3-dimethyl-               | 142 C10H22             | 004110-44-5 72  |
| 2       |           | Heptane, 3,3,5-trimethyl-           | 142 C10H22             | 007154-80-5 64  |
| 3       |           | n-Amyl ether                        | 158 C10H22O            | 000693-65-2 53  |
| 4       |           | Sulfurous acid, 2-pentyl undecyl... | 306 C16H34O3S          | 1000309-16-0 53 |
| 5       |           | Propanal, 2-propenylhydrazone       | 112 C6H12N2            | 019031-78-8 50  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

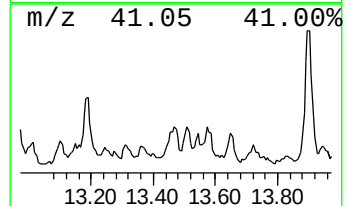
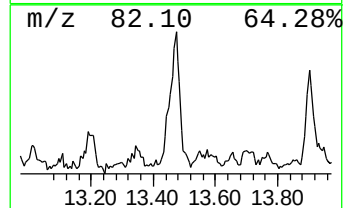
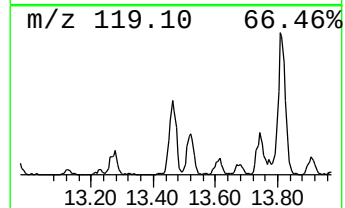
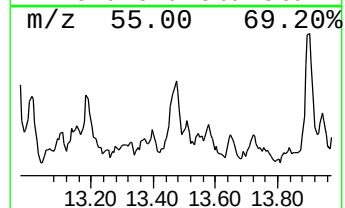
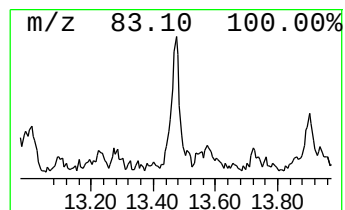
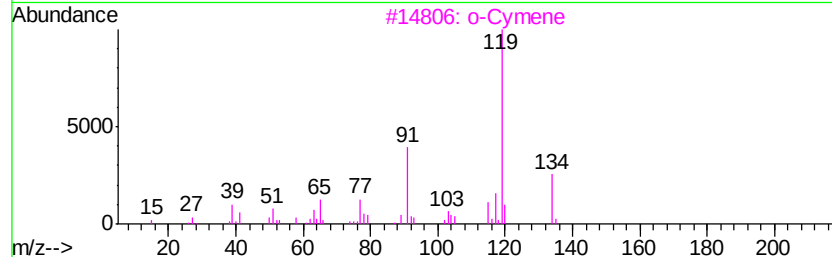
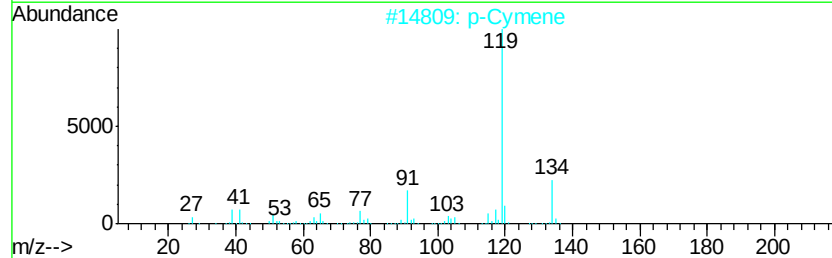
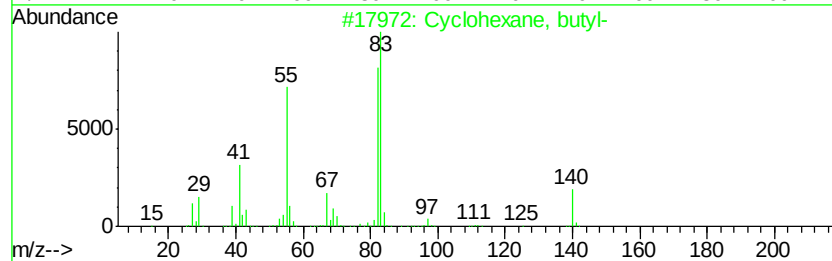
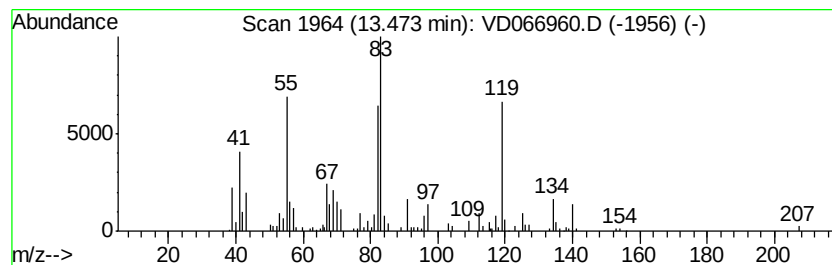
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown13.47 Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.47 | 5.74 ug/l | 292028 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 43   |
| 2    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 42   |
| 3    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 42   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 38   |
| 5    |    | Cyclohexane, 2-propenyl-            | 124 | C9H16   | 002114-42-3 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

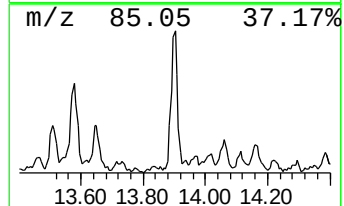
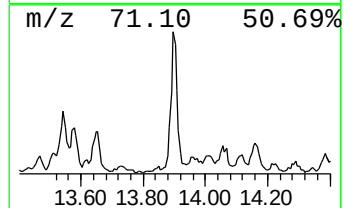
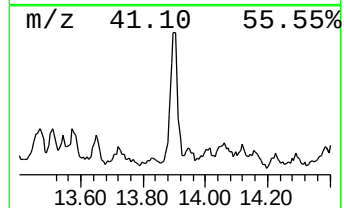
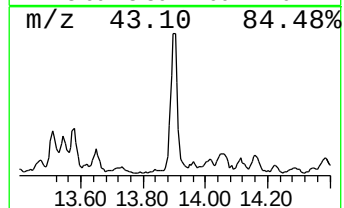
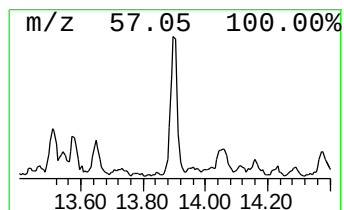
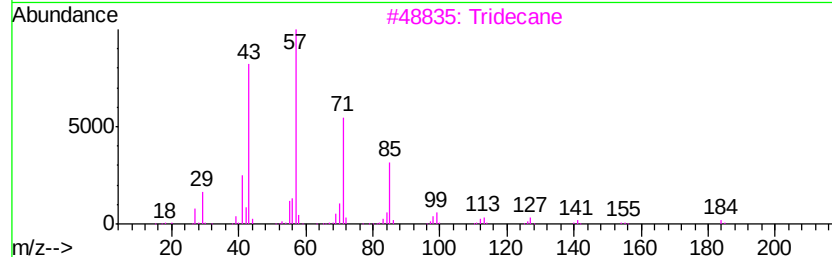
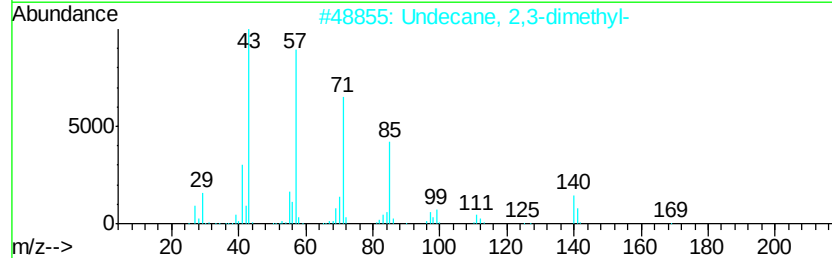
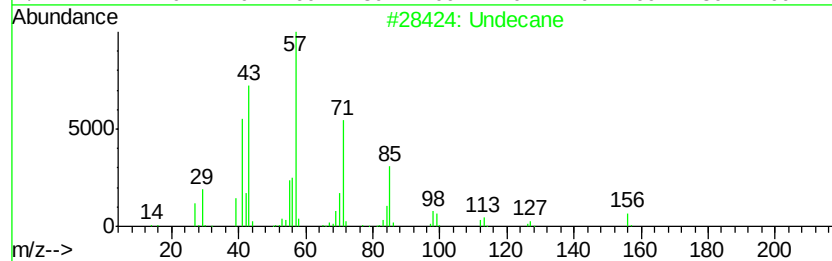
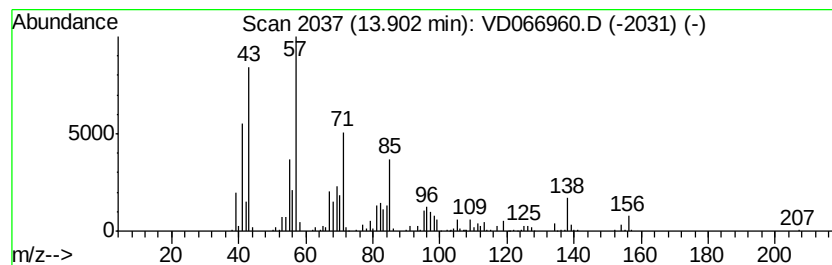
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MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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

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Peak Number 8 Undecane Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 13.90   | 13.36 ug/l                          | 679347       | 1,4-Dichlorobenzene-d4 | 13.58     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Undecane                            | 156 C11H24   | 001120-21-4            | 91        |
| 2       | Undecane, 2,3-dimethyl-             | 184 C13H28   | 017312-77-5            | 47        |
| 3       | Tridecane                           | 184 C13H28   | 000629-50-5            | 43        |
| 4       | Dodecane                            | 170 C12H26   | 000112-40-3            | 43        |
| 5       | Heptadecane, 2,6,10,14-tetramethyl- | 296 C21H44   | 018344-37-1            | 38        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

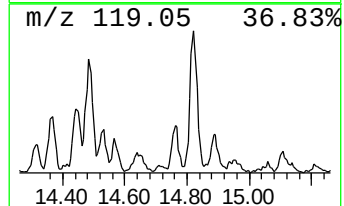
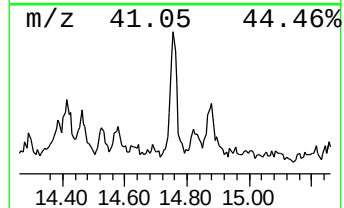
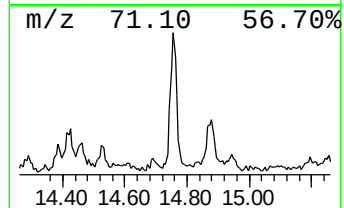
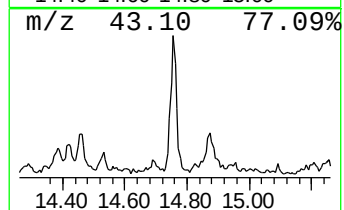
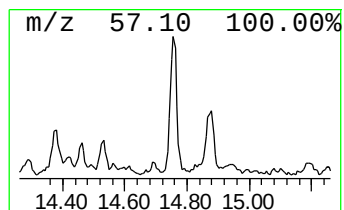
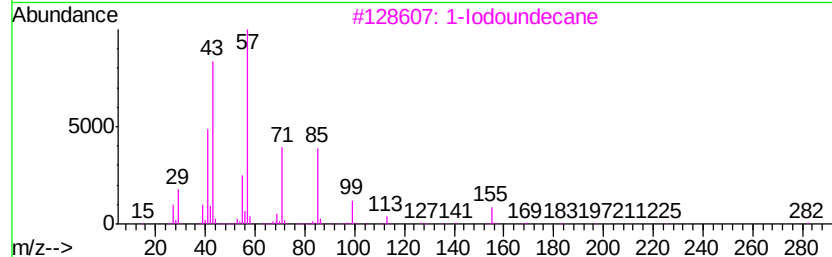
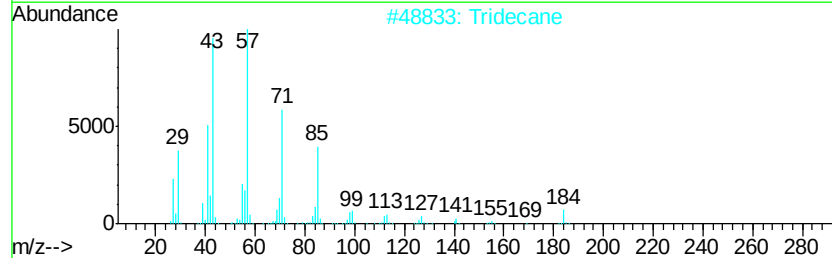
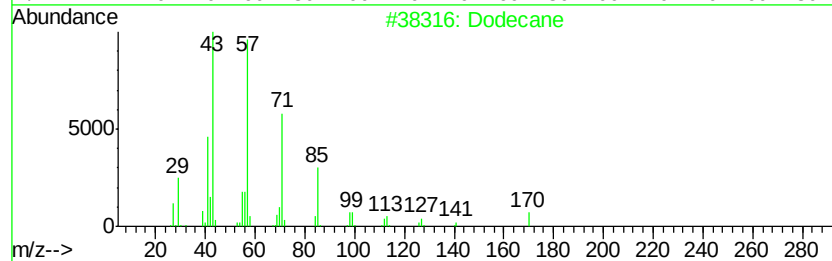
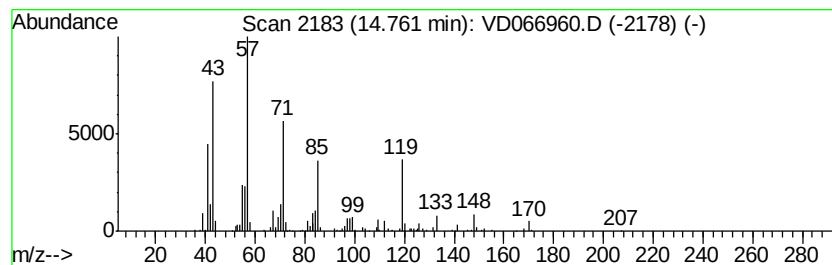
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Dodecane Concentration Rank 7

| R.T.    | EstConc        | Area         | Relative to ISTD       | R.T.      |
|---------|----------------|--------------|------------------------|-----------|
| 14.76   | 6.12 ug/l      | 311355       | 1,4-Dichlorobenzene-d4 | 13.58     |
| Hit# of | 5              | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Dodecane       | 170 C12H26   | 000112-40-3            | 91        |
| 2       | Tridecane      | 184 C13H28   | 000629-50-5            | 64        |
| 3       | 1-Iodoundecane | 282 C11H23I  | 004282-44-4            | 64        |
| 4       | Undecane       | 156 C11H24   | 001120-21-4            | 64        |
| 5       | Nonane         | 128 C9H20    | 000111-84-2            | 60        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

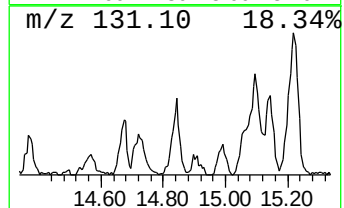
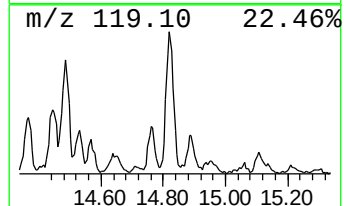
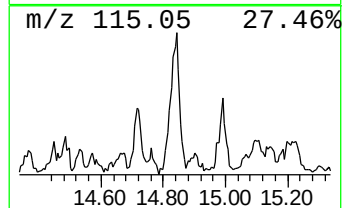
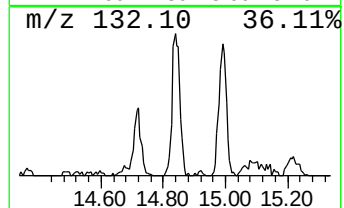
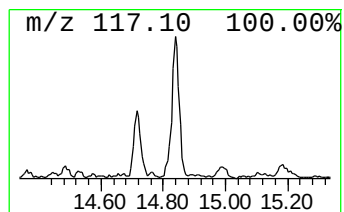
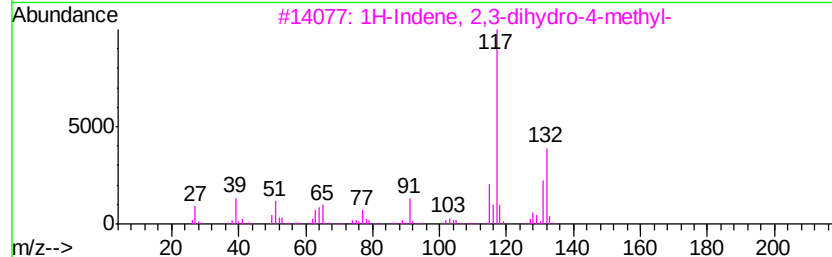
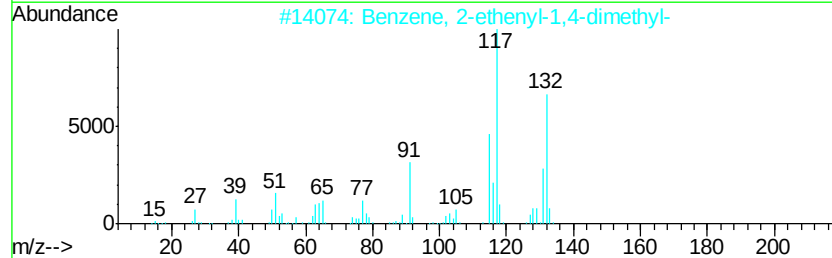
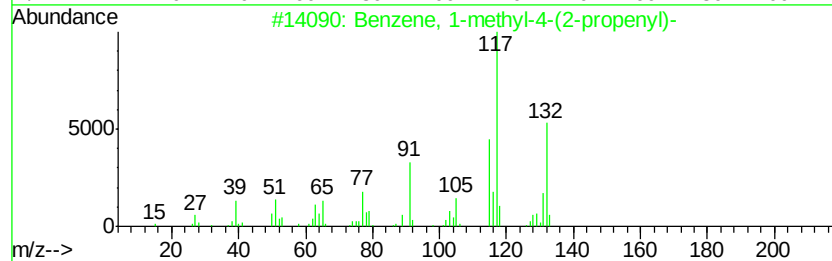
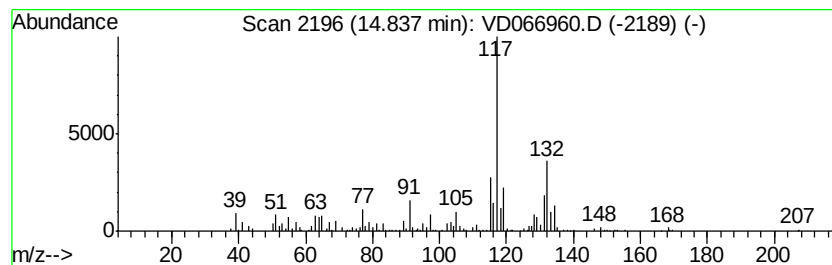
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Benzene, 1-methyl-4-(2-prop... Concentration Rank 4

| R.T.    | EstConc   | Area                              | Relative to ISTD       | R.T.           |
|---------|-----------|-----------------------------------|------------------------|----------------|
| 14.84   | 7.95 ug/l | 404405                            | 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 90 |
| 2       |           | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 C10H12             | 002039-89-6 90 |
| 3       |           | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 C10H12             | 000824-22-6 81 |
| 4       |           | 1-Phenyl-1-butene                 | 132 C10H12             | 000824-90-8 81 |
| 5       |           | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 C10H12             | 000874-35-1 76 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD092920\  
Data File : VD066960.D  
Acq On : 30 Sep 2020 02:23  
Operator : VA/SY  
Sample : L4179-07  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-11(0-1)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.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, 4-methyl-    | 11.43 | 9.1     | ug/l  | 415096   | 3                     | 11.64 | 2274600 | 50.0 |
| Nonane               | 11.86 | 14.4    | ug/l  | 657348   | 3                     | 11.64 | 2274600 | 50.0 |
| unknown12.38         | 12.38 | 5.7     | ug/l  | 257572   | 3                     | 11.64 | 2274600 | 50.0 |
| Benzene, 1-ethyl-... | 12.88 | 5.3     | ug/l  | 270026   | 4                     | 13.58 | 2543300 | 50.0 |
| Benzene, 1-ethyl-... | 13.13 | 7.6     | ug/l  | 385183   | 4                     | 13.58 | 2543300 | 50.0 |
| Octane, 3,3-dimet... | 13.19 | 6.3     | ug/l  | 321244   | 4                     | 13.58 | 2543300 | 50.0 |
| unknown13.47         | 13.47 | 5.7     | ug/l  | 292028   | 4                     | 13.58 | 2543300 | 50.0 |
| Undecane             | 13.90 | 13.4    | ug/l  | 679347   | 4                     | 13.58 | 2543300 | 50.0 |
| Dodecane             | 14.76 | 6.1     | ug/l  | 311355   | 4                     | 13.58 | 2543300 | 50.0 |
| Benzene, 1-methyl... | 14.84 | 8.0     | ug/l  | 404405   | 4                     | 13.58 | 2543300 | 50.0 |