

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
 Data File : VD066153.D  
 Acq On : 07 Aug 2020 13:07  
 Operator : VA/SY  
 Sample : L3555-01  
 Misc : 7.84G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 N-23729

## 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\82D080520S.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         | 2.315       | 61            | 67          | 71           | rBV      | 13219          | 21108         | 2.70%           | 0.153%        |
| 2         | 4.232       | 388           | 393         | 401          | rVB4     | 3927           | 8753          | 1.12%           | 0.064%        |
| 3         | 4.962       | 509           | 517         | 519          | rBV4     | 6501           | 13144         | 1.68%           | 0.095%        |
| 4         | 7.191       | 891           | 896         | 903          | rBV6     | 3589           | 8330          | 1.06%           | 0.060%        |
| 5         | 7.914       | 1010          | 1019        | 1024         | rBV      | 162392         | 391580        | 50.03%          | 2.841%        |
| 6         | 7.979       | 1024          | 1030        | 1039         | rVB      | 188603         | 433080        | 55.33%          | 3.142%        |
| 7         | 8.332       | 1080          | 1090        | 1101         | rBV      | 131029         | 300203        | 38.35%          | 2.178%        |
| 8         | 8.861       | 1170          | 1180        | 1193         | rBV2     | 346232         | 712843        | 91.07%          | 5.172%        |
| 9         | 10.338      | 1423          | 1431        | 1439         | rBV      | 429850         | 782750        | 100.00%         | 5.679%        |
| 10        | 10.726      | 1492          | 1497        | 1503         | rBV2     | 12005          | 19270         | 2.46%           | 0.140%        |
| 11        | 11.091      | 1553          | 1559        | 1562         | rBV4     | 4983           | 7835          | 1.00%           | 0.057%        |
| 12        | 11.191      | 1572          | 1576        | 1581         | rVB6     | 9858           | 17020         | 2.17%           | 0.123%        |
| 13        | 11.244      | 1581          | 1585        | 1591         | rVB5     | 4633           | 7903          | 1.01%           | 0.057%        |
| 14        | 11.461      | 1617          | 1622        | 1628         | rVB7     | 4346           | 8080          | 1.03%           | 0.059%        |
| 15        | 11.644      | 1646          | 1653        | 1664         | rBV      | 386397         | 686068        | 87.65%          | 4.978%        |
| 16        | 11.861      | 1683          | 1690        | 1692         | rBV5     | 7015           | 13360         | 1.71%           | 0.097%        |
| 17        | 11.891      | 1692          | 1695        | 1699         | rVB4     | 6551           | 9415          | 1.20%           | 0.068%        |
| 18        | 12.149      | 1733          | 1739        | 1744         | rBV6     | 13774          | 34909         | 4.46%           | 0.253%        |
| 19        | 12.273      | 1755          | 1760        | 1764         | rBV5     | 9041           | 13830         | 1.77%           | 0.100%        |
| 20        | 12.320      | 1764          | 1768        | 1771         | rBV3     | 8931           | 15591         | 1.99%           | 0.113%        |
| 21        | 12.402      | 1776          | 1782        | 1787         | rVB6     | 18111          | 34568         | 4.42%           | 0.251%        |
| 22        | 12.491      | 1790          | 1797        | 1802         | rBV2     | 126296         | 219458        | 28.04%          | 1.592%        |
| 23        | 12.555      | 1805          | 1808        | 1816         | rVB7     | 9389           | 17548         | 2.24%           | 0.127%        |
| 24        | 12.638      | 1816          | 1822        | 1830         | rBV      | 268323         | 460683        | 58.85%          | 3.343%        |
| 25        | 12.743      | 1834          | 1840        | 1845         | rVB6     | 15599          | 28659         | 3.66%           | 0.208%        |
| 26        | 12.796      | 1845          | 1849        | 1856         | rVB6     | 25590          | 52488         | 6.71%           | 0.381%        |
| 27        | 12.879      | 1856          | 1863        | 1867         | rBV8     | 21382          | 47895         | 6.12%           | 0.348%        |
| 28        | 12.955      | 1867          | 1876        | 1883         | rBV6     | 63344          | 154617        | 19.75%          | 1.122%        |
| 29        | 13.014      | 1883          | 1886        | 1888         | rBV3     | 20152          | 25438         | 3.25%           | 0.185%        |
| 30        | 13.049      | 1888          | 1892        | 1897         | rVB2     | 55555          | 92467         | 11.81%          | 0.671%        |
| 31        | 13.102      | 1897          | 1901        | 1905         | rBV5     | 22688          | 33794         | 4.32%           | 0.245%        |
| 32        | 13.190      | 1907          | 1916        | 1925         | rBV3     | 67151          | 125081        | 15.98%          | 0.908%        |
| 33        | 13.273      | 1928          | 1930        | 1934         | rBV4     | 13140          | 17400         | 2.22%           | 0.126%        |
| 34        | 13.314      | 1935          | 1937        | 1942         | rBV6     | 10401          | 12344         | 1.58%           | 0.090%        |

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 N-23729

## Integration Parameters: RTEINT.P

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Filtering: 5  
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 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\82D080520S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 35 | 13.361 | 1942 | 1945 | 1949 | rBV4  | 21049  | 33333  | 4.26%  | 0.242% |
| 36 | 13.402 | 1949 | 1952 | 1956 | rVB3  | 37780  | 43798  | 5.60%  | 0.318% |
| 37 | 13.467 | 1956 | 1963 | 1967 | rBV5  | 91743  | 199920 | 25.54% | 1.451% |
| 38 | 13.508 | 1967 | 1970 | 1975 | rVB6  | 41180  | 61693  | 7.88%  | 0.448% |
| 39 | 13.579 | 1978 | 1982 | 1991 | rVB   | 190545 | 333575 | 42.62% | 2.420% |
| 40 | 13.649 | 1991 | 1994 | 1998 | rBV5  | 31461  | 34588  | 4.42%  | 0.251% |
| 41 | 13.726 | 2001 | 2007 | 2011 | rBV4  | 43331  | 83998  | 10.73% | 0.609% |
| 42 | 13.773 | 2011 | 2015 | 2019 | rVB4  | 30244  | 43348  | 5.54%  | 0.315% |
| 43 | 13.820 | 2019 | 2023 | 2030 | rBV3  | 41589  | 93880  | 11.99% | 0.681% |
| 44 | 13.902 | 2031 | 2037 | 2042 | rBV3  | 241175 | 436932 | 55.82% | 3.170% |
| 45 | 14.067 | 2058 | 2065 | 2070 | rBV7  | 85307  | 204884 | 26.17% | 1.487% |
| 46 | 14.120 | 2071 | 2074 | 2078 | rVB5  | 70481  | 100373 | 12.82% | 0.728% |
| 47 | 14.232 | 2087 | 2093 | 2099 | rBV   | 395873 | 695254 | 88.82% | 5.044% |
| 48 | 14.314 | 2099 | 2107 | 2111 | rBV2  | 181082 | 442780 | 56.57% | 3.213% |
| 49 | 14.414 | 2119 | 2124 | 2139 | rVB6  | 326870 | 770254 | 98.40% | 5.589% |
| 50 | 14.532 | 2140 | 2144 | 2147 | rBV4  | 119762 | 182975 | 23.38% | 1.328% |
| 51 | 14.579 | 2147 | 2152 | 2158 | rVB6  | 209421 | 352667 | 45.05% | 2.559% |
| 52 | 14.767 | 2180 | 2184 | 2188 | rVB3  | 124382 | 178613 | 22.82% | 1.296% |
| 53 | 14.826 | 2189 | 2194 | 2199 | rBV5  | 247031 | 594925 | 76.00% | 4.317% |
| 54 | 14.879 | 2200 | 2203 | 2210 | rVB5  | 205831 | 506054 | 64.65% | 3.672% |
| 55 | 15.208 | 2255 | 2259 | 2265 | rBV8  | 94600  | 211173 | 26.98% | 1.532% |
| 56 | 15.290 | 2269 | 2273 | 2282 | rVB4  | 256854 | 603668 | 77.12% | 4.380% |
| 57 | 15.373 | 2283 | 2287 | 2295 | rBV5  | 239715 | 475721 | 60.78% | 3.452% |
| 58 | 15.461 | 2296 | 2302 | 2308 | rBV7  | 148595 | 379674 | 48.51% | 2.755% |
| 59 | 15.637 | 2325 | 2332 | 2336 | rBV7  | 97363  | 258585 | 33.04% | 1.876% |
| 60 | 15.790 | 2353 | 2358 | 2364 | rVB4  | 229948 | 459087 | 58.65% | 3.331% |
| 61 | 16.355 | 2451 | 2454 | 2461 | rVB5  | 163634 | 317232 | 40.53% | 2.302% |
| 62 | 16.437 | 2463 | 2468 | 2475 | rVV2  | 128237 | 281259 | 35.93% | 2.041% |
| 63 | 16.702 | 2508 | 2513 | 2527 | rVB10 | 179049 | 574717 | 73.42% | 4.170% |

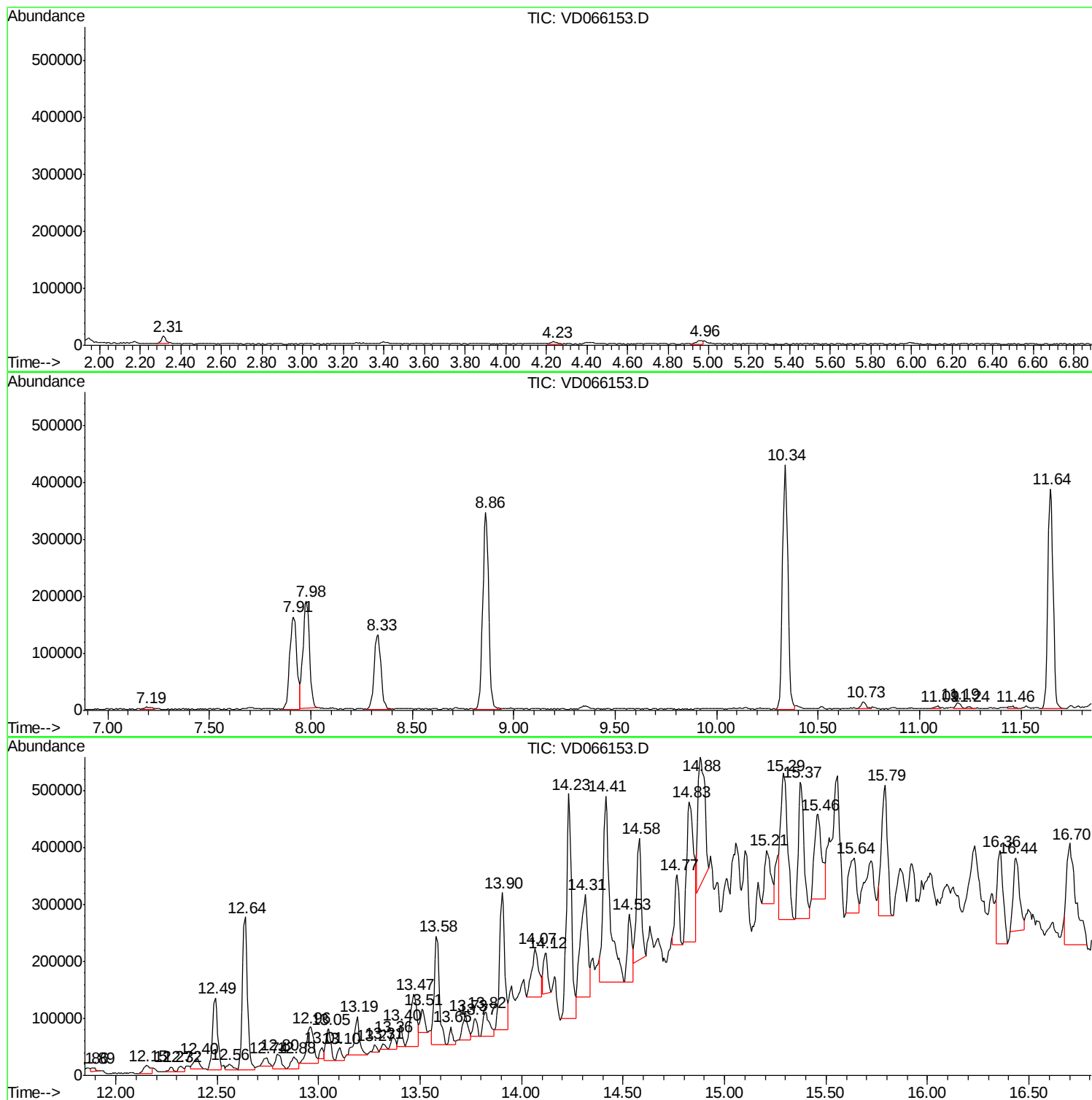
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

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



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ALS Vial : 7 Sample Multiplier: 1

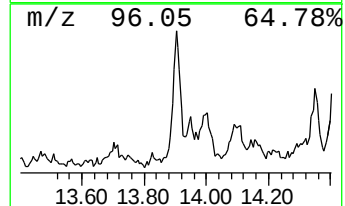
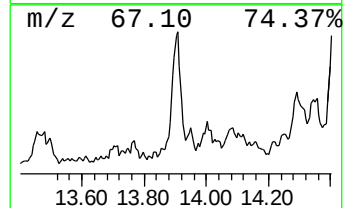
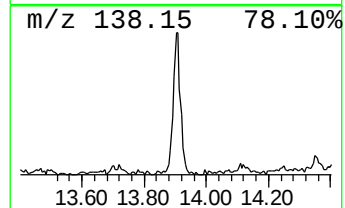
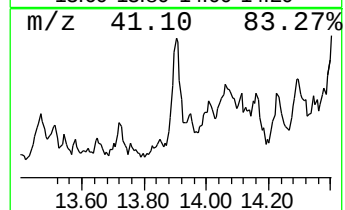
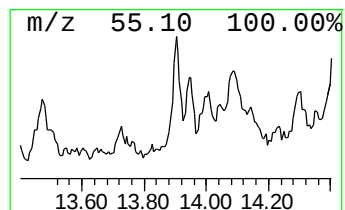
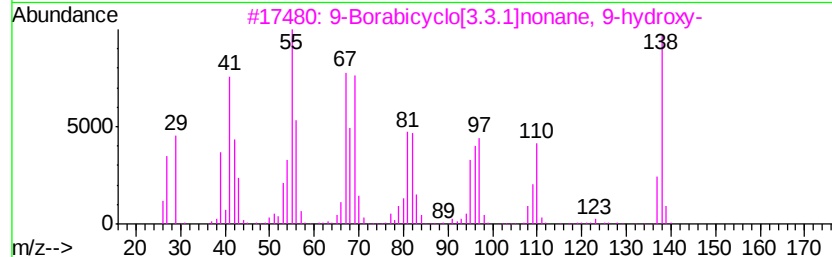
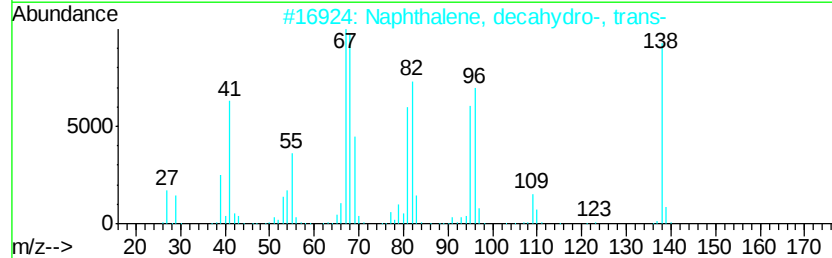
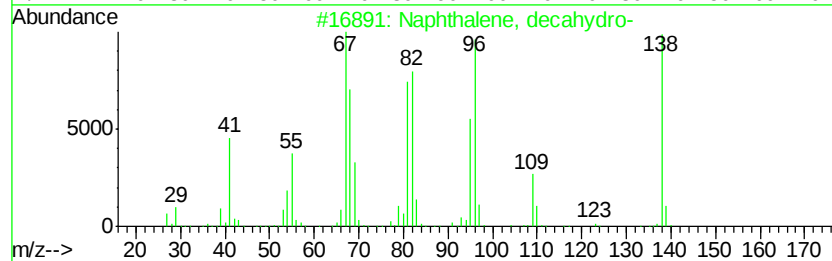
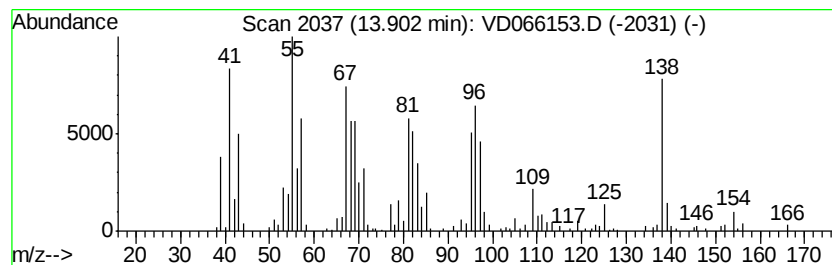
Instrument :  
MSVOA\_D  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, decahydro- Concentration Rank 10

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 13.90   | 65.49 ug/l | 436932                              | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, decahydro-             | 138 C10H18             | 000091-17-8 97 |
| 2       |            | Naphthalene, decahydro-, trans-     | 138 C10H18             | 000493-02-7 90 |
| 3       |            | 9-Borabicyclo[3.3.1]nonane, 9-hv... | 138 C8H15BO            | 063366-65-4 83 |
| 4       |            | Naphthalene, decahydro-, cis-       | 138 C10H18             | 000493-01-6 76 |
| 5       |            | Spiro[4.5]decane                    | 138 C10H18             | 000176-63-6 70 |



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ALS Vial : 7 Sample Multiplier: 1

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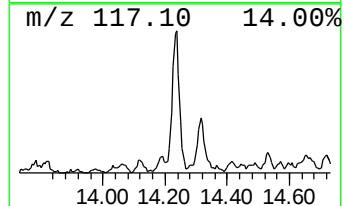
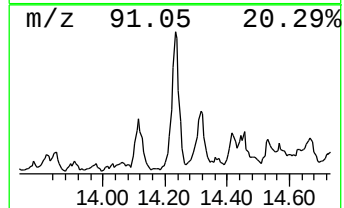
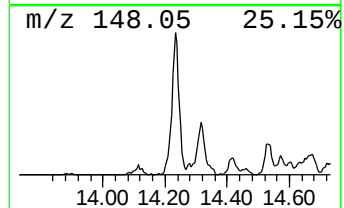
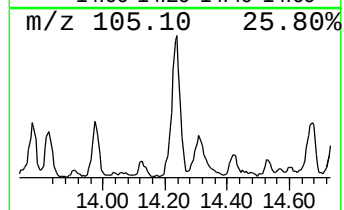
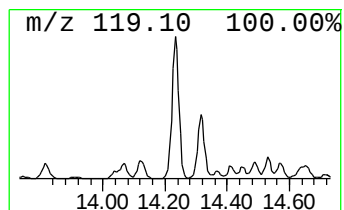
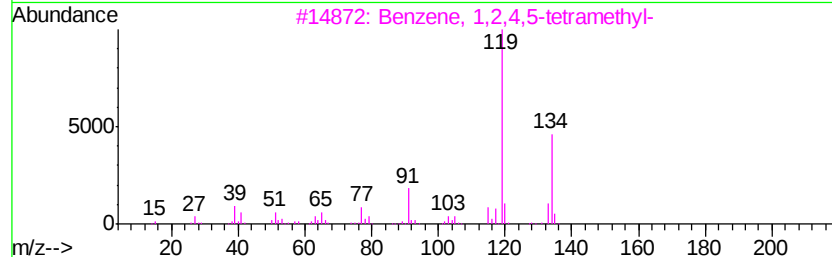
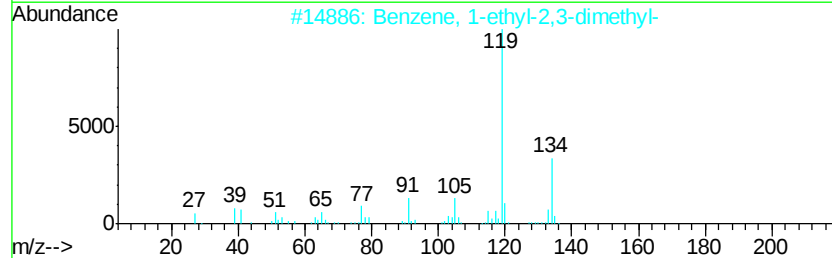
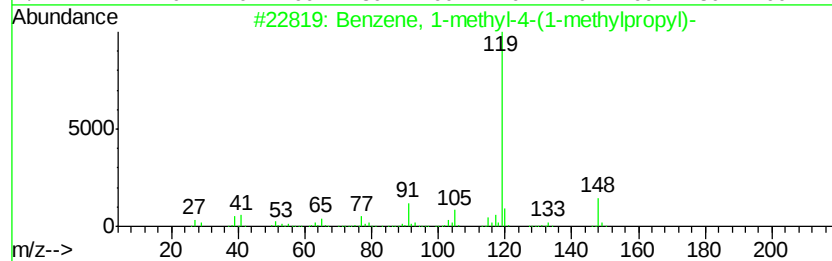
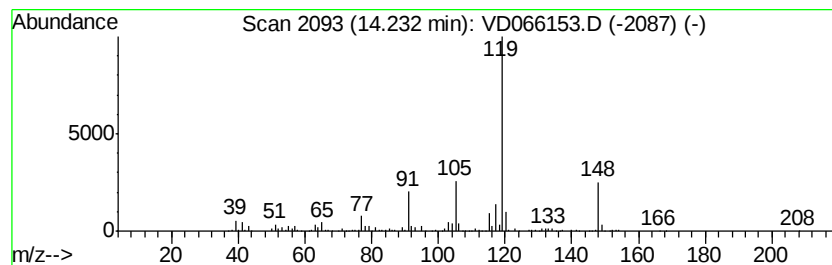
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, 1-methyl-4-(1-meth... Concentration Rank 2

| R.T.  | EstConc     | Area   | Relative to ISTD       | R.T.  |
|-------|-------------|--------|------------------------|-------|
| 14.23 | 104.21 ug/l | 695254 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 87   |
| 2    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 76   |
| 3    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 70   |
| 4    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 70   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 70   |



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Quant Title : SW846 8260

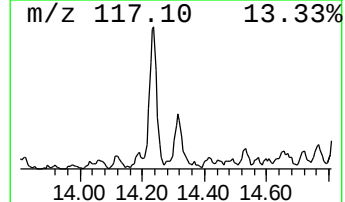
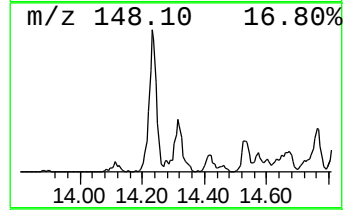
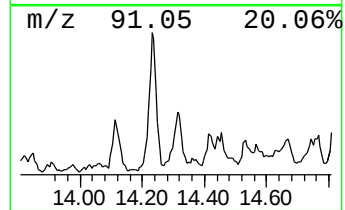
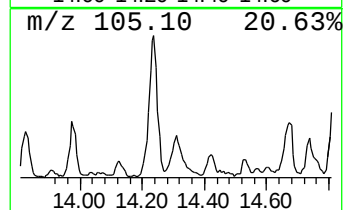
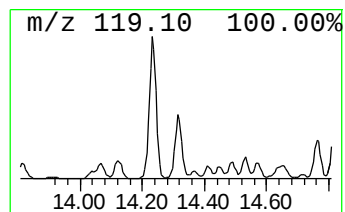
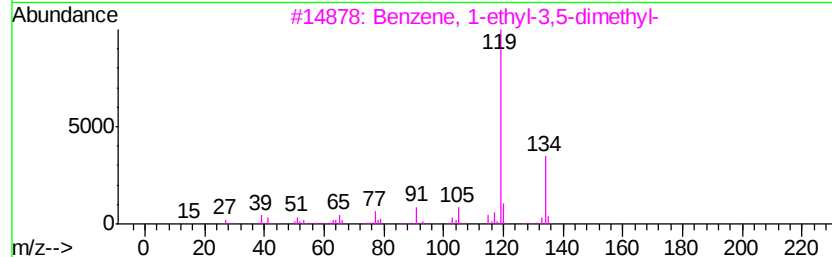
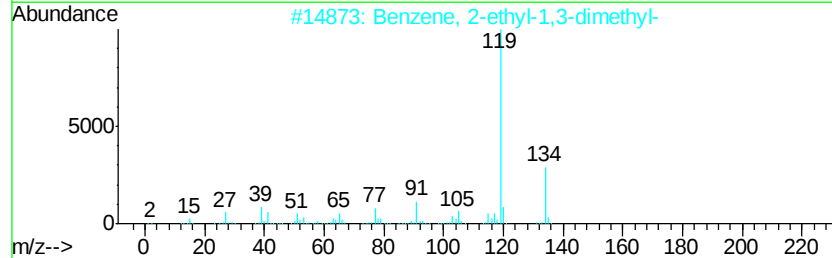
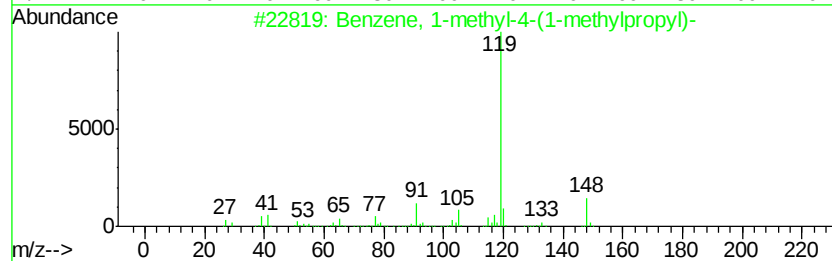
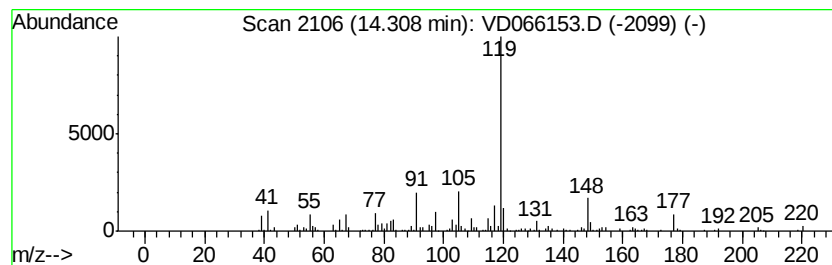
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.31 | 66.37 ug/l | 442780 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16   | 001595-16-0 | 90   |
| 2    |    | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14   | 002870-04-4 | 76   |
| 3    |    | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14   | 000934-74-7 | 64   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14   | 000874-41-9 | 64   |
| 5    |    | 3,4-Dimethylbenzyl isothiocyanate   | 177 | C10H11NS | 206559-59-3 | 62   |



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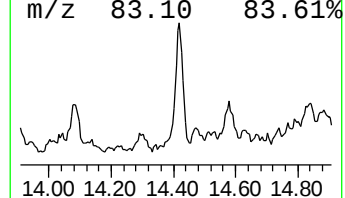
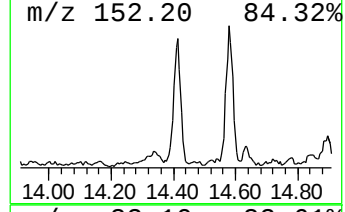
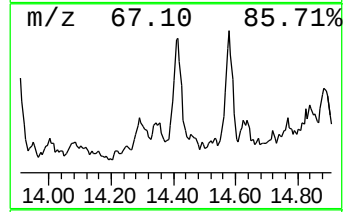
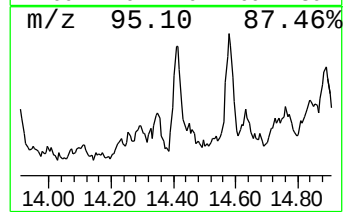
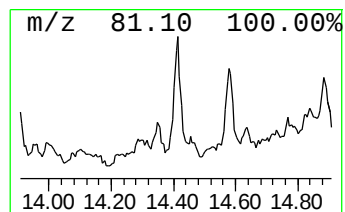
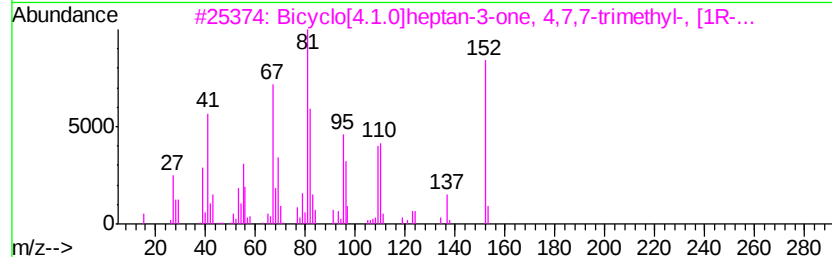
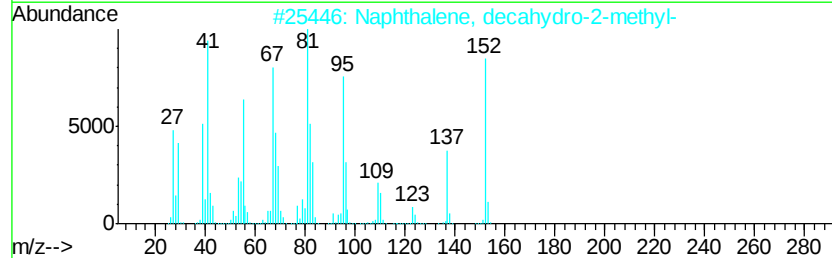
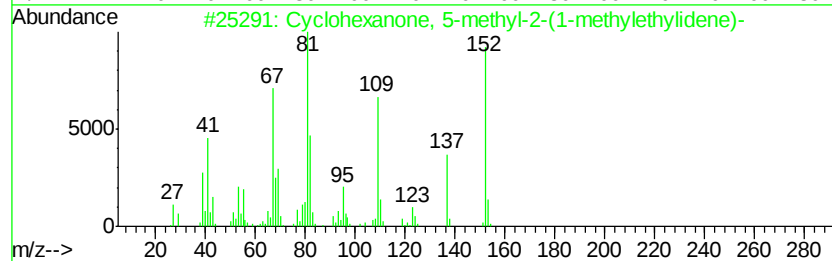
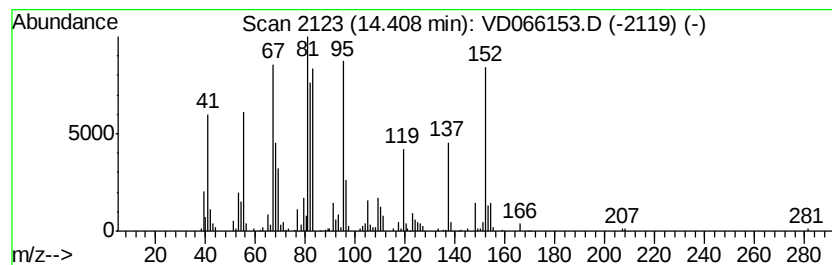
Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Cyclohexanone, 5-methyl-2-(... Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD       | R.T.           |
|---------|-------------|-------------------------------------|------------------------|----------------|
| 14.41   | 115.45 ug/l | 770254                              | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5           | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |             | Cyclohexanone, 5-methyl-2-(1-met... | 152 C10H16O            | 015932-80-6 78 |
| 2       |             | Naphthalene, decahydro-2-methyl-    | 152 C11H20             | 002958-76-1 62 |
| 3       |             | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 C10H16O            | 004176-04-9 49 |
| 4       |             | Furan, 2-hexyl-                     | 152 C10H16O            | 003777-70-6 49 |
| 5       |             | Pulegone                            | 152 C10H16O            | 000089-82-7 46 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

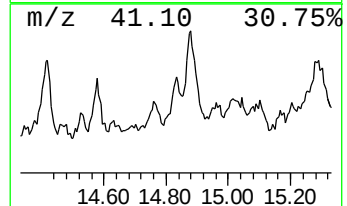
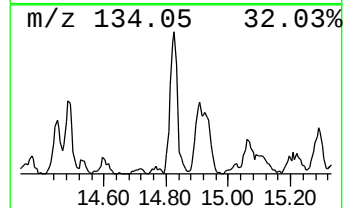
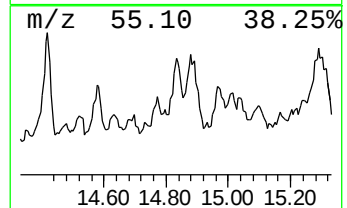
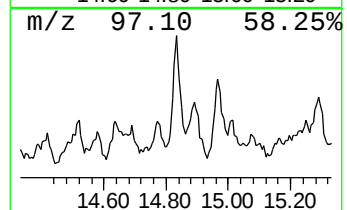
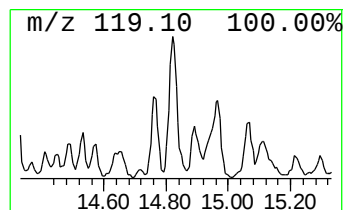
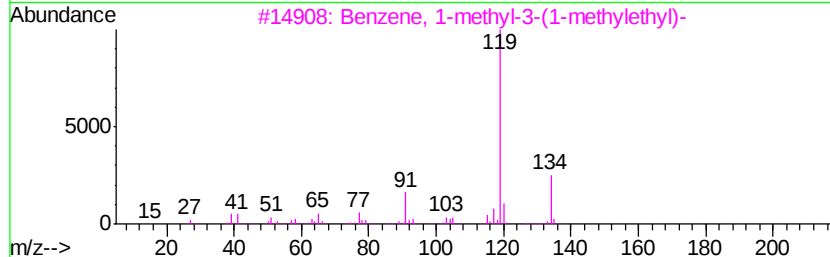
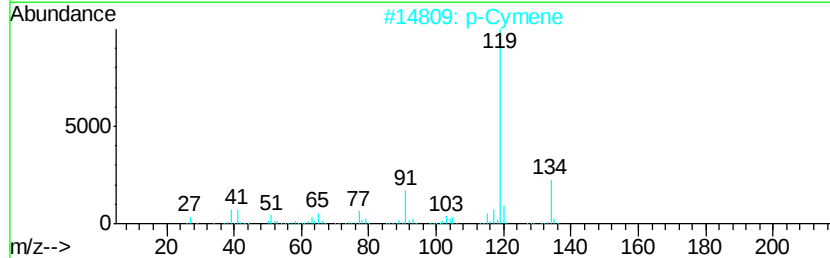
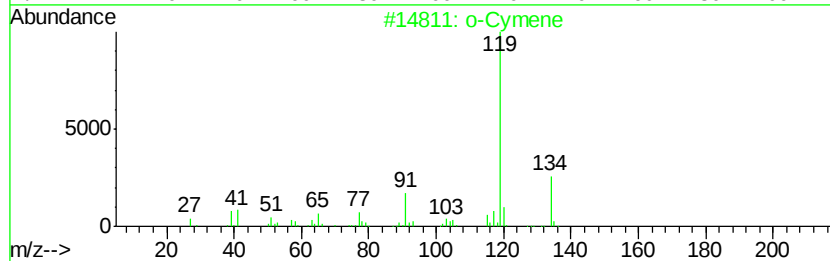
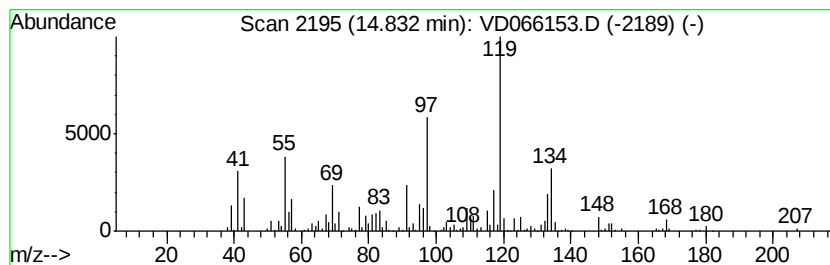
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 o-Cymene Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.83 | 89.17 ug/l | 594925 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 95   |
| 3    |    | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 93   |
| 4    |    | Benzene, 1,2,4,5-tetramethyl-        | 134 | C10H14  | 000095-93-2 | 76   |
| 5    |    | Benzene, 1,2,3,4-tetramethyl-        | 134 | C10H14  | 000488-23-3 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

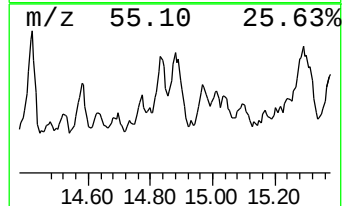
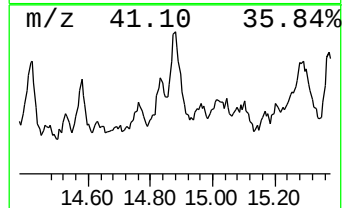
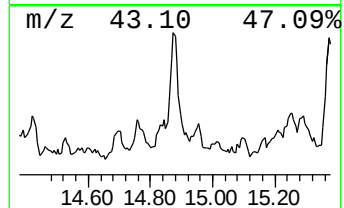
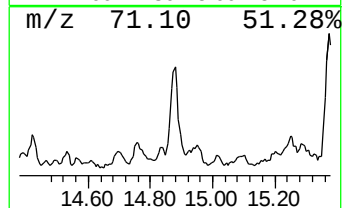
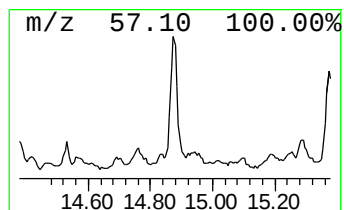
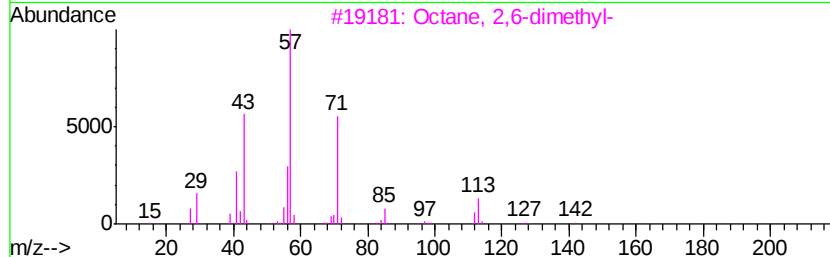
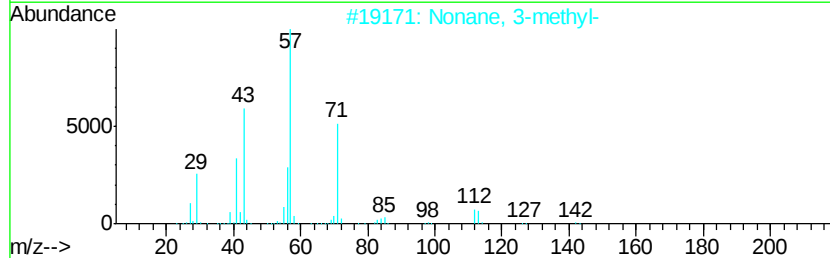
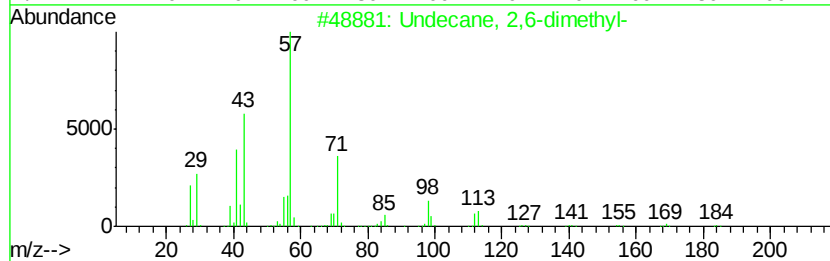
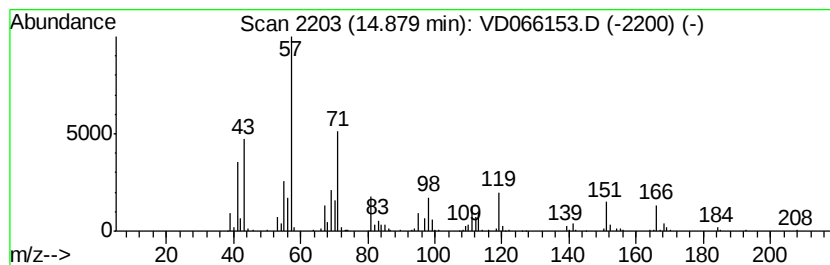
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown14.88 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.88 | 75.85 ug/l | 506054 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 49   |
| 2    |    | Nonane, 3-methyl-       | 142 | C10H22  | 005911-04-6 | 43   |
| 3    |    | Octane, 2,6-dimethyl-   | 142 | C10H22  | 002051-30-1 | 38   |
| 4    |    | Undecane, 3,6-dimethyl- | 184 | C13H28  | 017301-28-9 | 38   |
| 5    |    | Undecane, 3,8-dimethyl- | 184 | C13H28  | 017301-30-3 | 27   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

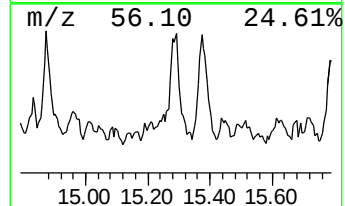
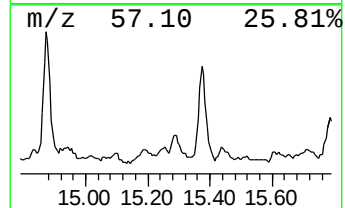
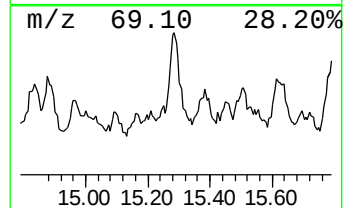
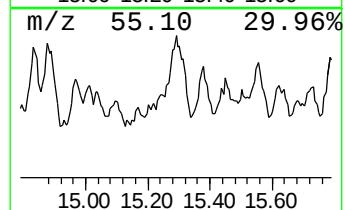
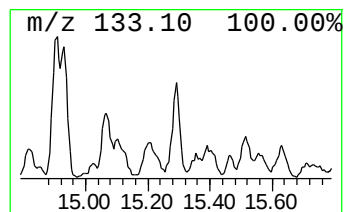
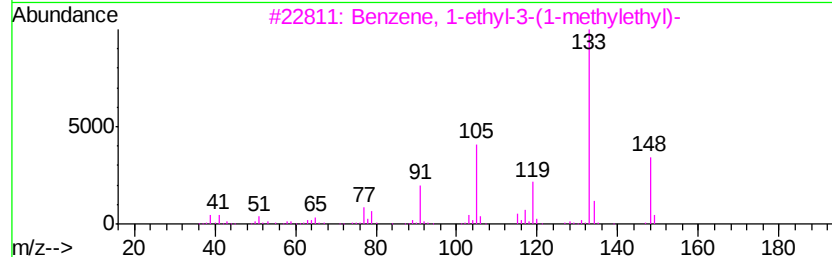
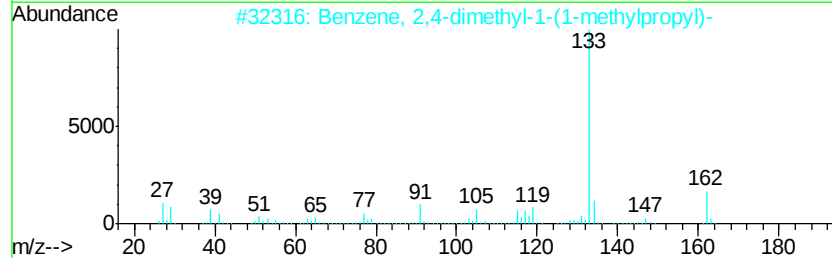
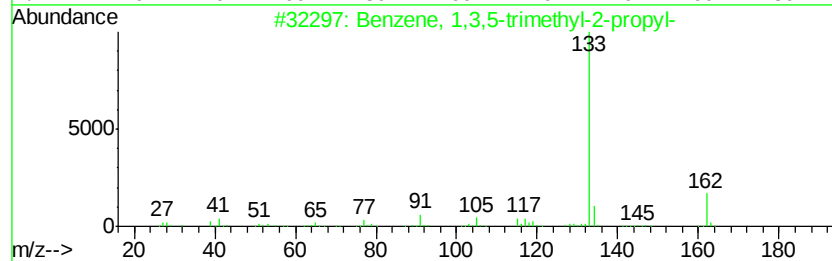
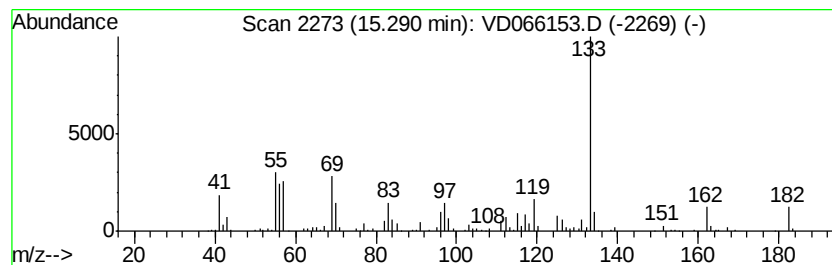
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.29 | 90.48 ug/l | 603668 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                              | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Benzene, 1,3,5-trimethyl-2-propyl-        | 162 | C12H18     | 004810-04-2  | 60   |
| 2    |    | Benzene, 2,4-dimethyl-1-(1-methylpropyl)- | 162 | C12H18     | 001483-60-9  | 58   |
| 3    |    | Benzene, 1-ethyl-3-(1-methylpropyl)-      | 148 | C11H16     | 004920-99-4  | 47   |
| 4    |    | Benzene, (1-ethyl-1-methylpropyl)-        | 162 | C12H18     | 001985-97-3  | 47   |
| 5    |    | Oxalamide, N-(isochroman-1-yl)me...       | 310 | C18H18N2O3 | 1000304-26-0 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

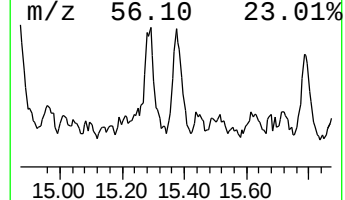
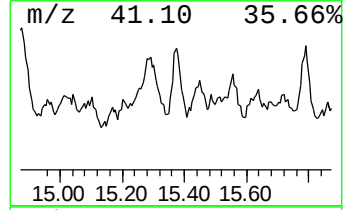
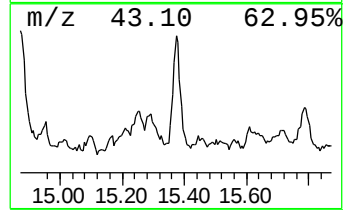
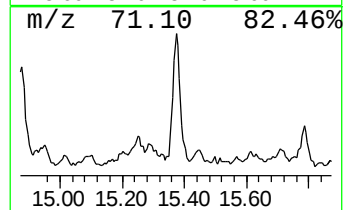
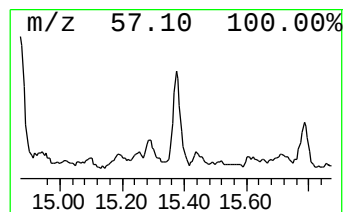
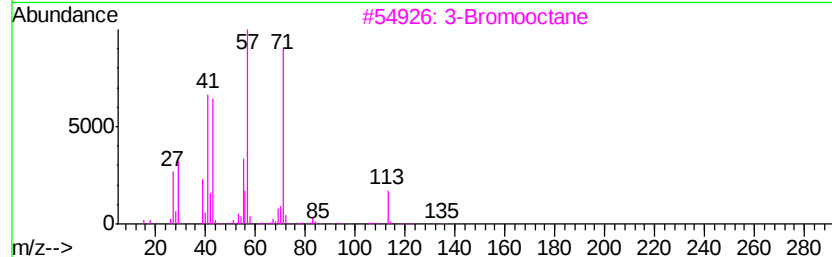
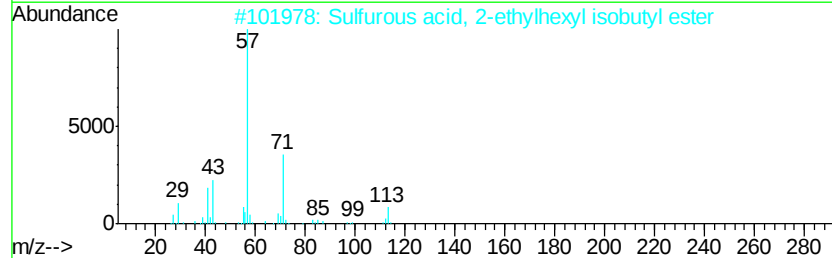
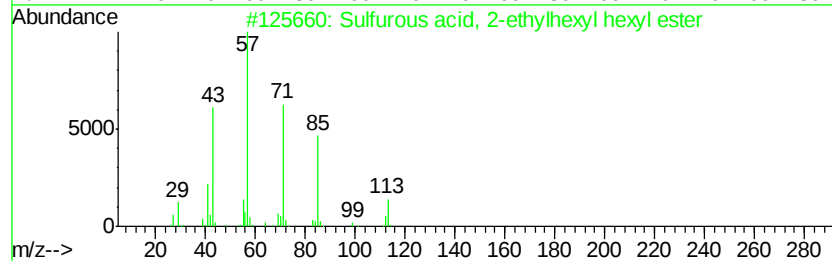
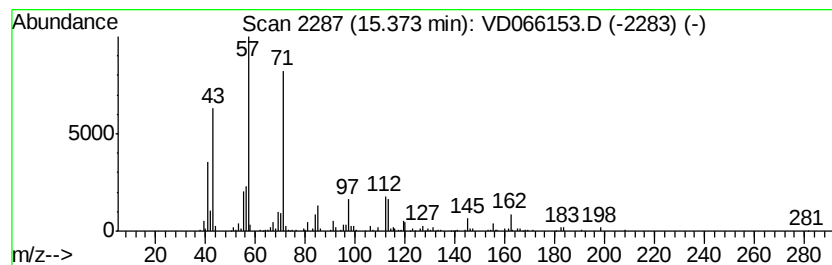
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Sulfurous acid, 2-ethylhexy... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.37 | 71.31 ug/l | 475721 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 53   |
| 2    |    | Sulfurous acid, 2-ethylhexyl iso... | 250 | C12H26O3S | 1000309-18-7 | 47   |
| 3    |    | 3-Bromooctane                       | 192 | C8H17Br   | 000999-64-4  | 47   |
| 4    |    | Octane, 2-bromo-                    | 192 | C8H17Br   | 000557-35-7  | 47   |
| 5    |    | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

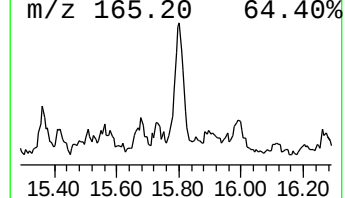
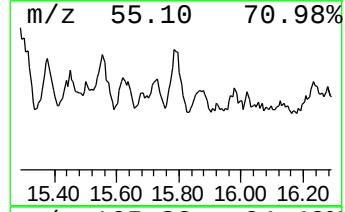
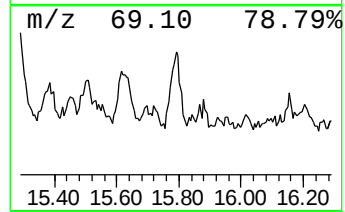
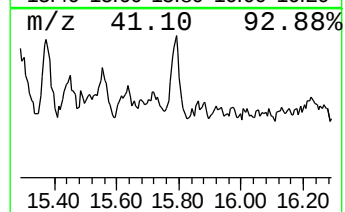
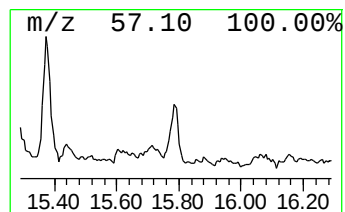
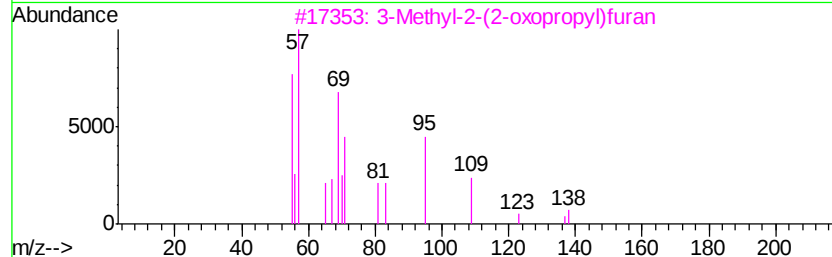
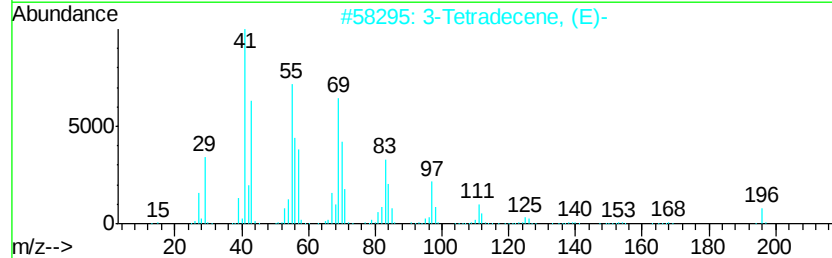
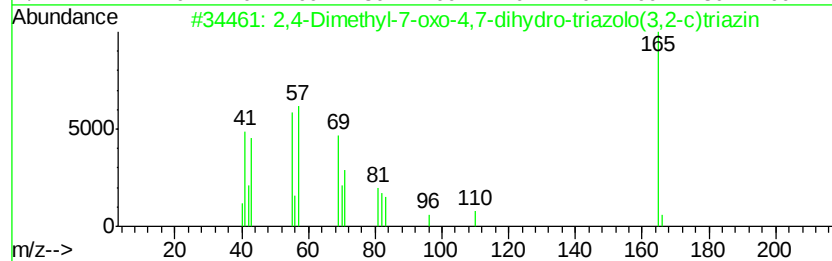
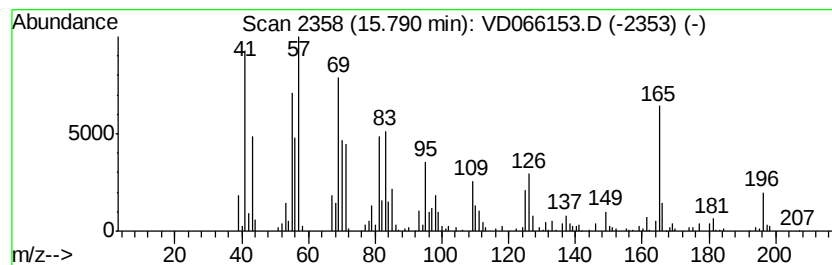
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

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

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Peak Number 9 unknown15.79 Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.79 | 68.81 ug/l | 459087 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,4-Dimethyl-7-oxo-4,7-dihydro-t... | 165 | C6H7N5O | 061402-43-5 | 46   |
| 2    |    |   | 3-Tetradecene, (E)-                 | 196 | C14H28  | 041446-68-8 | 43   |
| 3    |    |   | 3-Methyl-2-(2-oxopropyl)furan       | 138 | C8H10O2 | 087773-62-4 | 38   |
| 4    |    |   | 3-Nonene, (E)-                      | 126 | C9H18   | 020063-92-7 | 38   |
| 5    |    |   | 7-Tetradecene                       | 196 | C14H28  | 010374-74-0 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

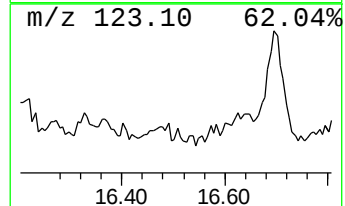
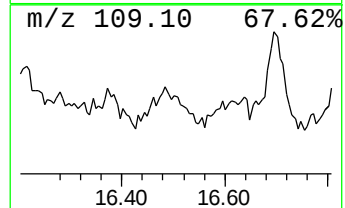
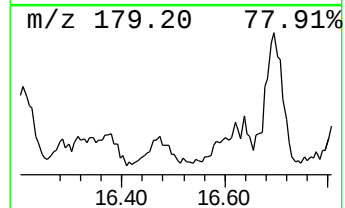
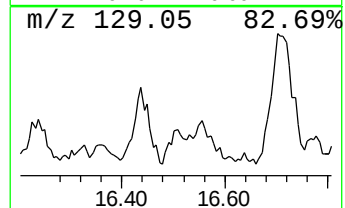
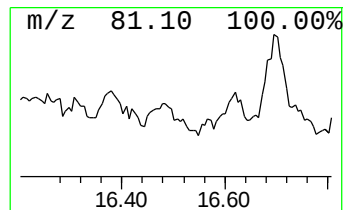
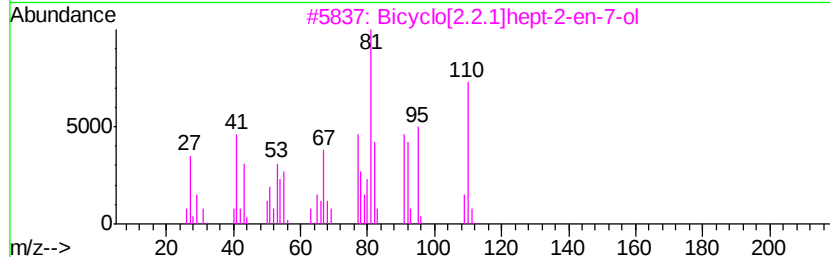
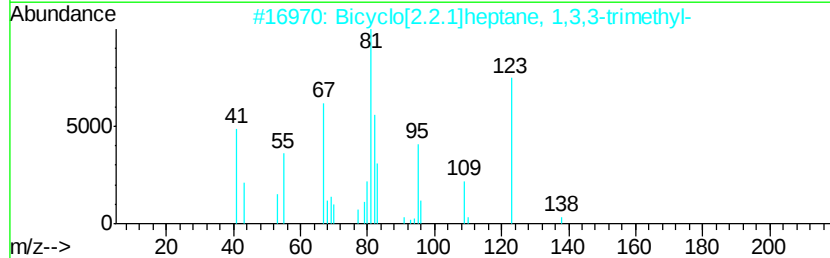
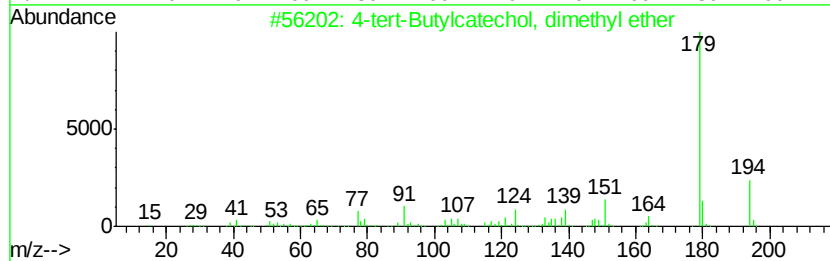
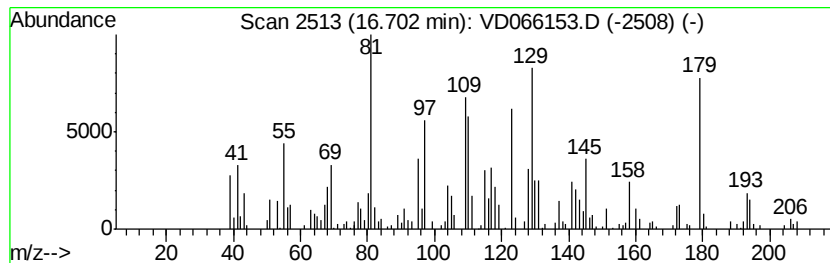
Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 unknown16.70 Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.         |      |
|-----------|-------------------------------------|--------|------------------------|--------------|------|
| 16.70     | 86.15 ug/l                          | 574717 | 1,4-Dichlorobenzene-d4 | 13.58        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#         | Qual |
| 1         | 4-tert-Butylcatechol, dimethyl e... | 194    | C12H18O2               | 1000352-79-6 | 25   |
| 2         | Bicyclo[2.2.1]heptane, 1,3,3-tri... | 138    | C10H18                 | 006248-88-0  | 20   |
| 3         | Bicyclo[2.2.1]hept-2-en-7-ol        | 110    | C7H10O                 | 053783-87-2  | 14   |
| 4         | Cyclopentane, 1-ethenyl-3-ethyl-... | 138    | C10H18                 | 055170-98-4  | 12   |
| 5         | 4-Isopropylphenoxyacetic acid       | 194    | C11H14O3               | 001643-16-9  | 11   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD080720\  
Data File : VD066153.D  
Acq On : 07 Aug 2020 13:07  
Operator : VA/SY  
Sample : L3555-01  
Misc : 7.84G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
N-23729

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.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 |
| Naphthalene, deca... | 13.90 | 65.5    | ug/l  | 436932   | 4                     | 13.58 | 333575 | 50.0 |
| Benzene, 1-methyl... | 14.23 | 104.2   | ug/l  | 695254   | 4                     | 13.58 | 333575 | 50.0 |
| Benzene, 2-ethyl-... | 14.31 | 66.4    | ug/l  | 442780   | 4                     | 13.58 | 333575 | 50.0 |
| Cyclohexanone, 5-... | 14.41 | 115.5   | ug/l  | 770254   | 4                     | 13.58 | 333575 | 50.0 |
| o-Cymene             | 14.83 | 89.2    | ug/l  | 594925   | 4                     | 13.58 | 333575 | 50.0 |
| unknown14.88         | 14.88 | 75.8    | ug/l  | 506054   | 4                     | 13.58 | 333575 | 50.0 |
| Benzene, 1,3,5-tr... | 15.29 | 90.5    | ug/l  | 603668   | 4                     | 13.58 | 333575 | 50.0 |
| Sulfurous acid, 2... | 15.37 | 71.3    | ug/l  | 475721   | 4                     | 13.58 | 333575 | 50.0 |
| unknown15.79         | 15.79 | 68.8    | ug/l  | 459087   | 4                     | 13.58 | 333575 | 50.0 |
| unknown16.70         | 16.70 | 86.2    | ug/l  | 574717   | 4                     | 13.58 | 333575 | 50.0 |