

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
 Data File : VD068039.D  
 Acq On : 07 Jan 2021 17:29  
 Operator : VA/SY  
 Sample : M1038-09  
 Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CT-SP

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\82D122220S.M  
 Title : SW846 8260

Signal : TIC: VD068039.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.973       | 511           | 519         | 526          | rVB4     | 7314           | 21140         | 1.22%           | 0.108%        |
| 2         | 7.920       | 1009          | 1020        | 1025         | rBV      | 215311         | 537484        | 30.99%          | 2.734%        |
| 3         | 7.979       | 1025          | 1030        | 1039         | rVB      | 350061         | 769703        | 44.38%          | 3.915%        |
| 4         | 8.332       | 1081          | 1090        | 1102         | rBV      | 212456         | 477579        | 27.54%          | 2.429%        |
| 5         | 8.867       | 1171          | 1181        | 1195         | rBV      | 563087         | 1110863       | 64.06%          | 5.650%        |
| 6         | 9.779       | 1330          | 1336        | 1341         | rVB6     | 9347           | 18786         | 1.08%           | 0.096%        |
| 7         | 9.908       | 1353          | 1358        | 1366         | rBV4     | 14039          | 30334         | 1.75%           | 0.154%        |
| 8         | 10.114      | 1385          | 1393        | 1403         | rBV5     | 8875           | 23598         | 1.36%           | 0.120%        |
| 9         | 10.344      | 1423          | 1432        | 1440         | rVV      | 904082         | 1631075       | 94.05%          | 8.296%        |
| 10        | 10.403      | 1440          | 1442        | 1448         | rVB      | 17900          | 26686         | 1.54%           | 0.136%        |
| 11        | 10.526      | 1456          | 1463        | 1470         | rVB3     | 25206          | 46452         | 2.68%           | 0.236%        |
| 12        | 11.426      | 1609          | 1616        | 1627         | rVB6     | 24715          | 58175         | 3.35%           | 0.296%        |
| 13        | 11.526      | 1627          | 1633        | 1640         | rBV2     | 20264          | 34869         | 2.01%           | 0.177%        |
| 14        | 11.644      | 1646          | 1653        | 1662         | rBV      | 837516         | 1476438       | 85.14%          | 7.509%        |
| 15        | 11.744      | 1664          | 1670        | 1676         | rVV      | 50430          | 92292         | 5.32%           | 0.469%        |
| 16        | 11.850      | 1679          | 1688        | 1699         | rVV3     | 205905         | 446738        | 25.76%          | 2.272%        |
| 17        | 12.185      | 1733          | 1745        | 1753         | rVV2     | 87758          | 186136        | 10.73%          | 0.947%        |
| 18        | 12.267      | 1753          | 1759        | 1764         | rVB8     | 10733          | 18760         | 1.08%           | 0.095%        |
| 19        | 12.355      | 1769          | 1774        | 1776         | rBV4     | 11639          | 17561         | 1.01%           | 0.089%        |
| 20        | 12.485      | 1791          | 1796        | 1800         | rBV7     | 11150          | 22848         | 1.32%           | 0.116%        |
| 21        | 12.632      | 1814          | 1821        | 1831         | rVB      | 656659         | 1150681       | 66.35%          | 5.853%        |
| 22        | 12.820      | 1845          | 1853        | 1857         | rVV      | 69112          | 118989        | 6.86%           | 0.605%        |
| 23        | 12.885      | 1857          | 1864        | 1867         | rVV      | 286585         | 469548        | 27.08%          | 2.388%        |
| 24        | 12.914      | 1867          | 1869        | 1872         | rVV2     | 122537         | 177581        | 10.24%          | 0.903%        |
| 25        | 12.955      | 1872          | 1876        | 1891         | rVB2     | 209556         | 420482        | 24.25%          | 2.139%        |
| 26        | 13.120      | 1896          | 1904        | 1911         | rBV2     | 106957         | 199534        | 11.51%          | 1.015%        |
| 27        | 13.191      | 1912          | 1916        | 1919         | rVV5     | 15070          | 28921         | 1.67%           | 0.147%        |
| 28        | 13.267      | 1923          | 1929        | 1936         | rBV      | 565664         | 904496        | 52.16%          | 4.600%        |
| 29        | 13.397      | 1942          | 1951        | 1954         | rBV6     | 22155          | 54772         | 3.16%           | 0.279%        |
| 30        | 13.461      | 1958          | 1962        | 1967         | rVV4     | 41110          | 75216         | 4.34%           | 0.383%        |
| 31        | 13.514      | 1967          | 1971        | 1974         | rVV6     | 19812          | 36305         | 2.09%           | 0.185%        |
| 32        | 13.573      | 1974          | 1981        | 1998         | rVB2     | 867665         | 1734201       | 100.00%         | 8.821%        |
| 33        | 13.738      | 2004          | 2009        | 2011         | rBV2     | 78927          | 122360        | 7.06%           | 0.622%        |
| 34        | 13.773      | 2011          | 2015        | 2018         | rVV2     | 285443         | 496421        | 28.63%          | 2.525%        |
| 35        | 13.808      | 2018          | 2021        | 2031         | rVB4     | 298374         | 590072        | 34.03%          | 3.001%        |
| 36        | 13.896      | 2031          | 2036        | 2043         | rBV4     | 81698          | 136164        | 7.85%           | 0.693%        |

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 Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CT-SP

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\82D122220S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.967 | 2043 | 2048 | 2054 | rVB  | 69488  | 108756 | 6.27%  | 0.553% |
| 38 | 14.032 | 2054 | 2059 | 2061 | rBV2 | 149675 | 233492 | 13.46% | 1.188% |
| 39 | 14.061 | 2061 | 2064 | 2068 | rVB  | 140895 | 196199 | 11.31% | 0.998% |
| 40 | 14.120 | 2068 | 2074 | 2079 | rVB  | 248502 | 385952 | 22.26% | 1.963% |
| 41 | 14.179 | 2079 | 2084 | 2087 | rBV  | 35849  | 53518  | 3.09%  | 0.272% |
| 42 | 14.226 | 2087 | 2092 | 2098 | rVB2 | 169430 | 283279 | 16.33% | 1.441% |
| 43 | 14.296 | 2098 | 2104 | 2108 | rVB8 | 17583  | 44498  | 2.57%  | 0.226% |
| 44 | 14.361 | 2108 | 2115 | 2120 | rBV2 | 65216  | 123792 | 7.14%  | 0.630% |
| 45 | 14.444 | 2120 | 2129 | 2132 | rBV  | 144744 | 259782 | 14.98% | 1.321% |
| 46 | 14.479 | 2132 | 2135 | 2139 | rVB  | 181099 | 244866 | 14.12% | 1.245% |
| 47 | 14.526 | 2139 | 2143 | 2146 | rVB2 | 126256 | 159417 | 9.19%  | 0.811% |
| 48 | 14.561 | 2146 | 2149 | 2156 | rVB  | 89758  | 131805 | 7.60%  | 0.670% |
| 49 | 14.626 | 2156 | 2160 | 2163 | rBV2 | 22486  | 36700  | 2.12%  | 0.187% |
| 50 | 14.667 | 2163 | 2167 | 2170 | rBV  | 76207  | 104103 | 6.00%  | 0.529% |
| 51 | 14.714 | 2170 | 2175 | 2179 | rBV  | 204636 | 354422 | 20.44% | 1.803% |
| 52 | 14.755 | 2179 | 2182 | 2187 | rVB3 | 111868 | 173658 | 10.01% | 0.883% |
| 53 | 14.832 | 2187 | 2195 | 2200 | rBV4 | 318917 | 751632 | 43.34% | 3.823% |
| 54 | 14.879 | 2200 | 2203 | 2212 | rVB  | 73087  | 128732 | 7.42%  | 0.655% |
| 55 | 14.985 | 2216 | 2221 | 2228 | rBV3 | 40276  | 74756  | 4.31%  | 0.380% |
| 56 | 15.061 | 2228 | 2234 | 2235 | rBV4 | 37891  | 55430  | 3.20%  | 0.282% |
| 57 | 15.096 | 2235 | 2240 | 2244 | rBV4 | 129720 | 249292 | 14.38% | 1.268% |
| 58 | 15.214 | 2252 | 2260 | 2270 | rVB4 | 130664 | 307390 | 17.73% | 1.563% |
| 59 | 15.402 | 2278 | 2292 | 2298 | rBV  | 154566 | 335184 | 19.33% | 1.705% |
| 60 | 15.455 | 2298 | 2301 | 2305 | rVV4 | 15135  | 25762  | 1.49%  | 0.131% |
| 61 | 15.508 | 2305 | 2310 | 2315 | rVV5 | 72829  | 146832 | 8.47%  | 0.747% |
| 62 | 15.561 | 2315 | 2319 | 2335 | rVB7 | 54894  | 162467 | 9.37%  | 0.826% |
| 63 | 15.696 | 2335 | 2342 | 2351 | rBV2 | 77449  | 168183 | 9.70%  | 0.855% |
| 64 | 15.867 | 2359 | 2371 | 2383 | rBV8 | 39341  | 158125 | 9.12%  | 0.804% |
| 65 | 15.990 | 2385 | 2392 | 2399 | rVB2 | 18978  | 42158  | 2.43%  | 0.214% |
| 66 | 16.073 | 2399 | 2406 | 2413 | rBV5 | 26519  | 65513  | 3.78%  | 0.333% |
| 67 | 16.226 | 2425 | 2432 | 2435 | rBV6 | 10231  | 19431  | 1.12%  | 0.099% |
| 68 | 16.496 | 2471 | 2478 | 2490 | rVB2 | 93676  | 210400 | 12.13% | 1.070% |
| 69 | 16.702 | 2504 | 2513 | 2523 | rVB3 | 40429  | 102222 | 5.89%  | 0.520% |

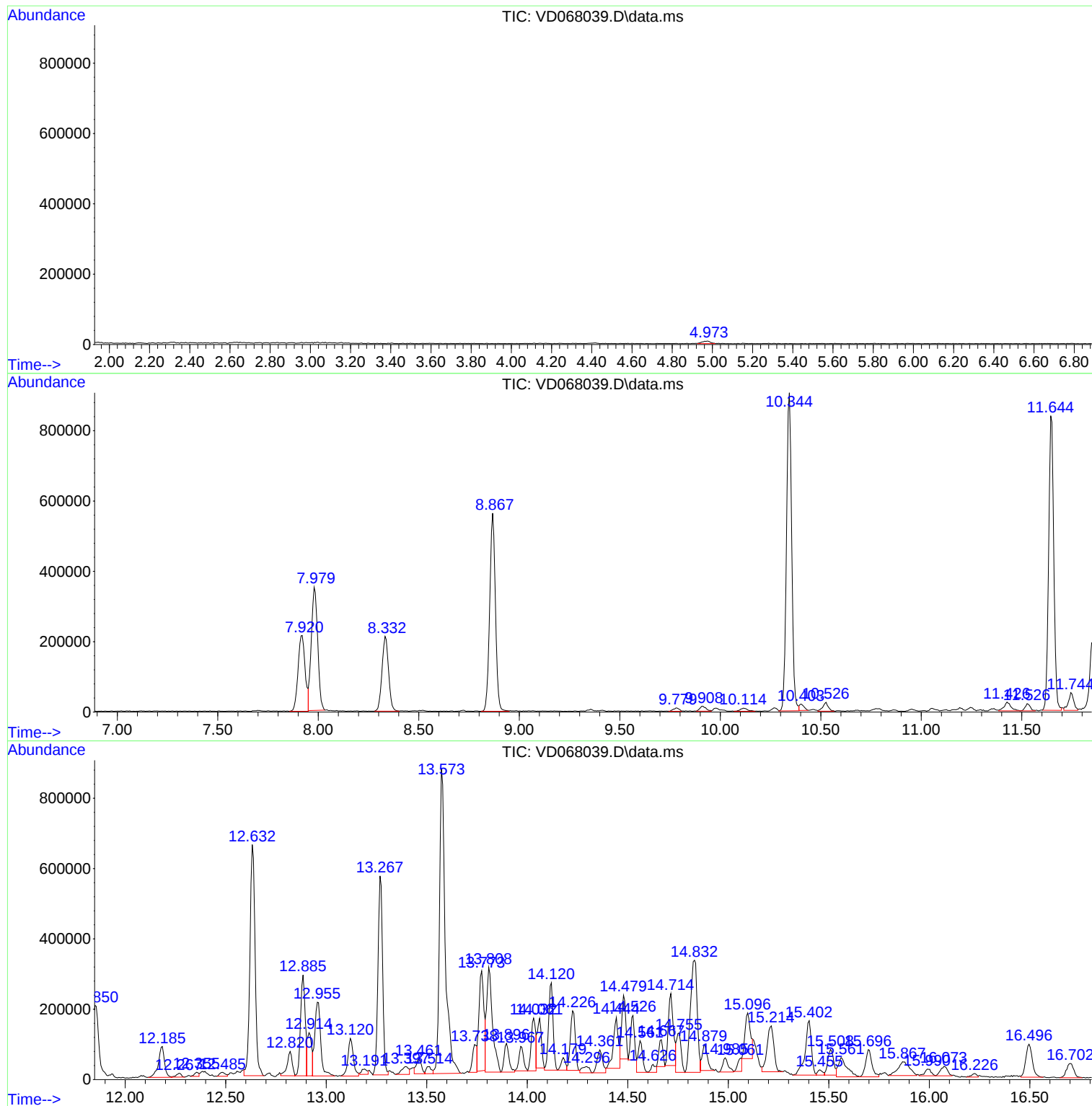
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Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

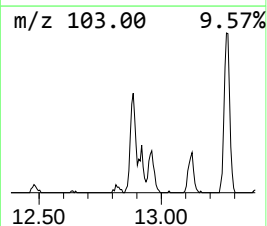
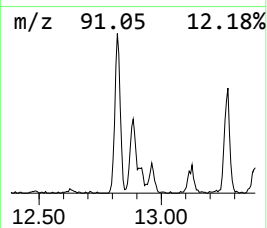
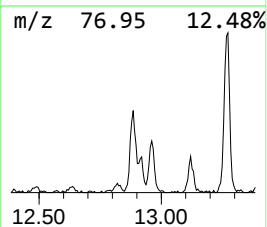
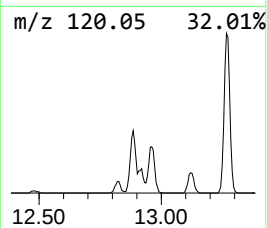
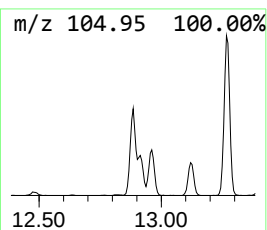
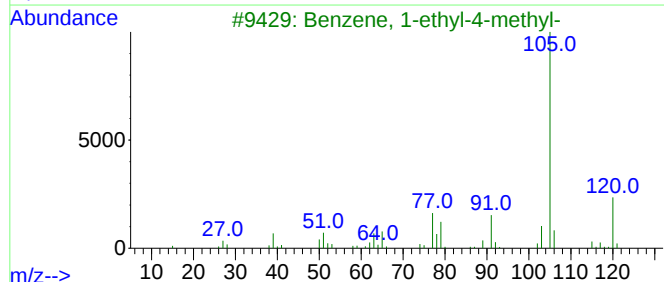
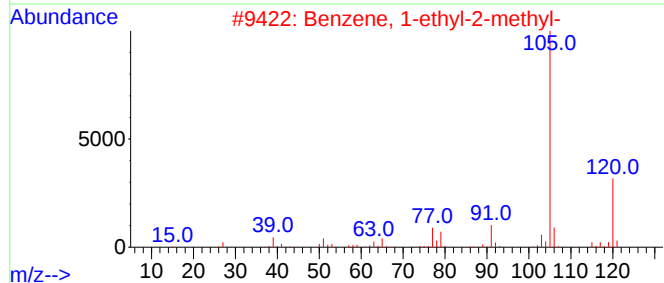
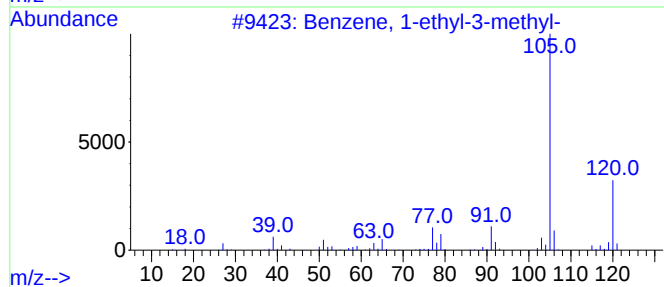
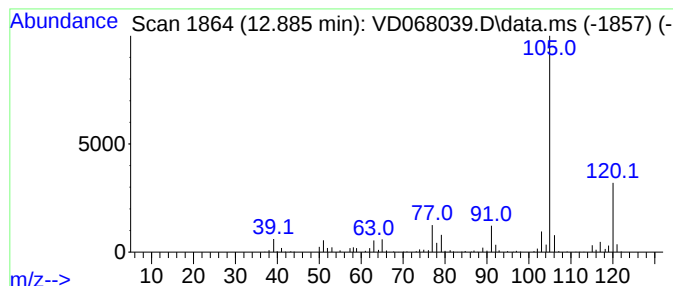
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.885 | 13.54 ug/l | 469548 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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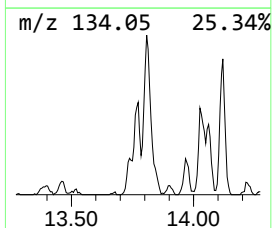
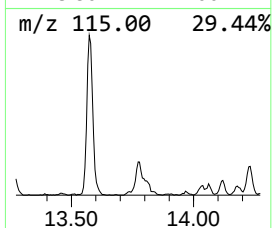
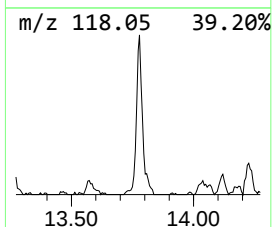
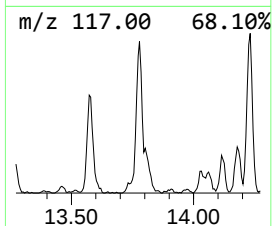
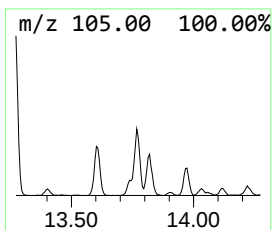
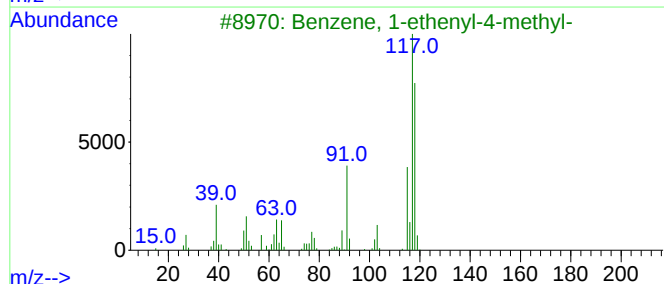
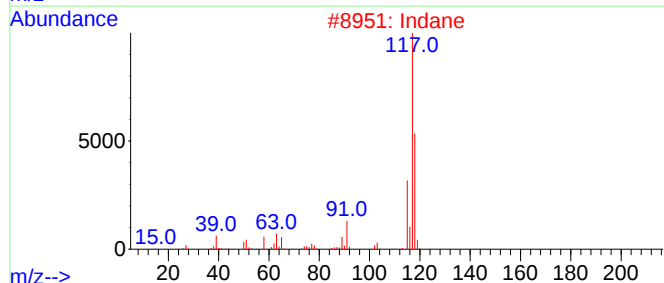
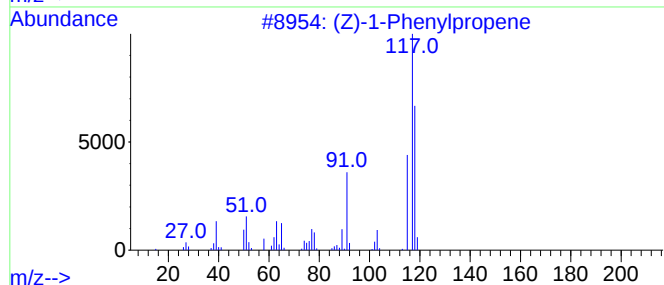
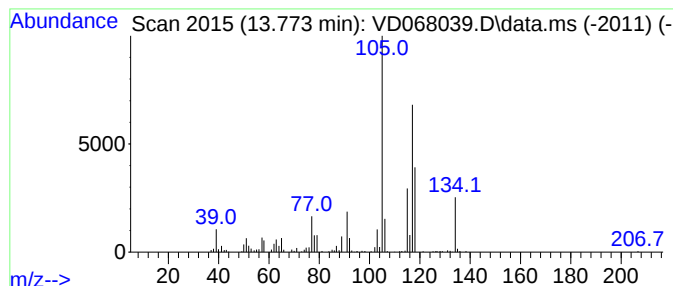
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 (Z)-1-Phenylpropene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.773 | 14.31 ug/l | 496421 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | (Z)-1-Phenylpropene          | 118 | C9H10   | 000766-90-5 | 55   |
| 2    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 55   |
| 3    |    |   | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10   | 000622-97-9 | 53   |
| 4    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 49   |
| 5    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 49   |



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Quant Title : SW846 8260

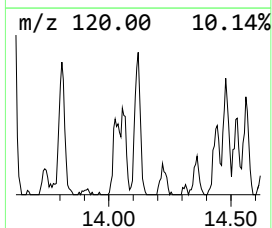
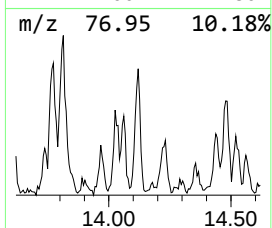
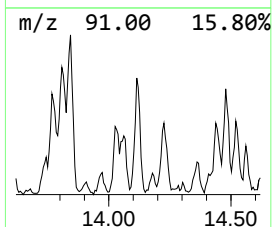
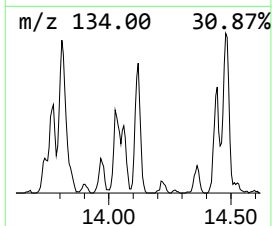
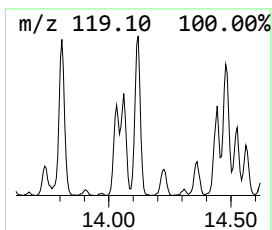
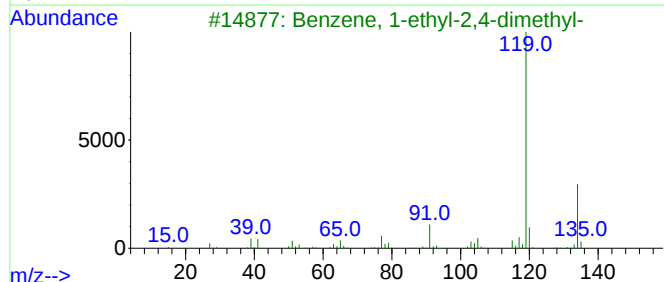
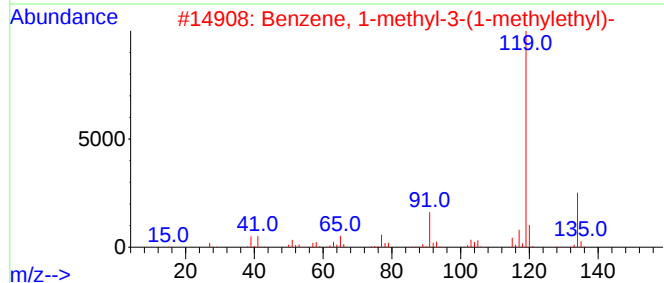
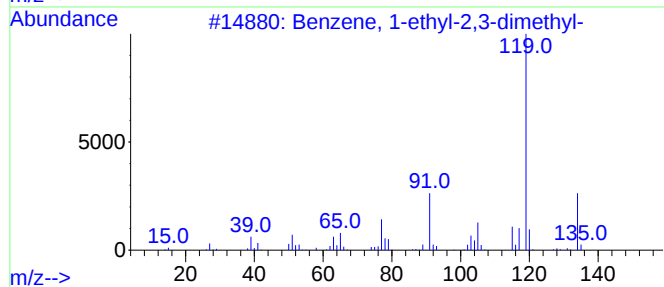
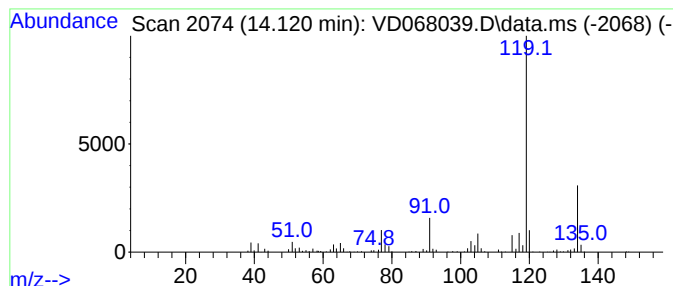
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.120 | 11.13 ug/l | 385952 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 96   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-2,4-dimethyl-       | 134 | C10H14  | 000874-41-9 | 95   |
| 4    |    |   | Benzene, 4-ethyl-1,2-dimethyl-       | 134 | C10H14  | 000934-80-5 | 95   |
| 5    |    |   | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 94   |



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Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

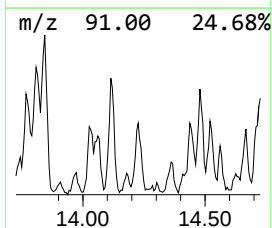
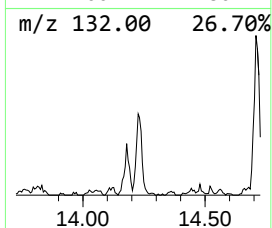
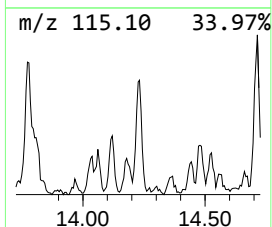
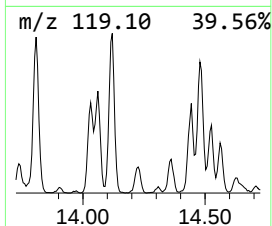
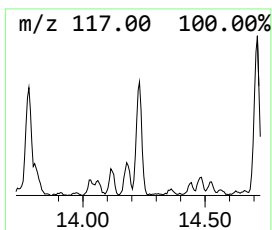
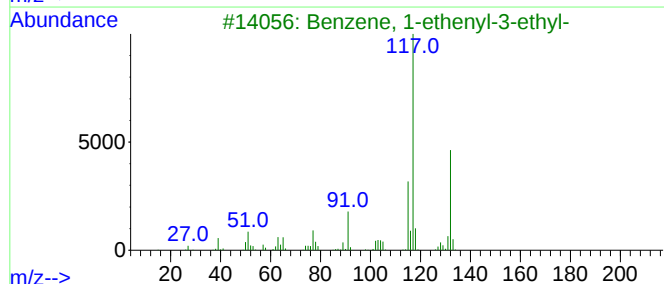
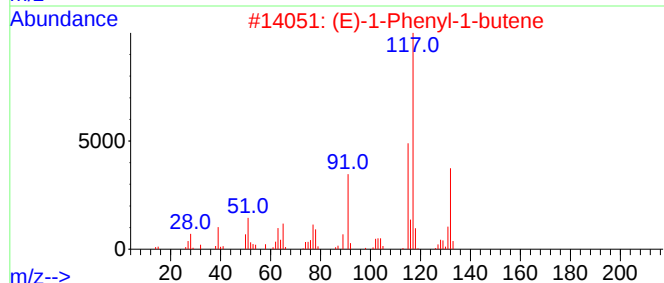
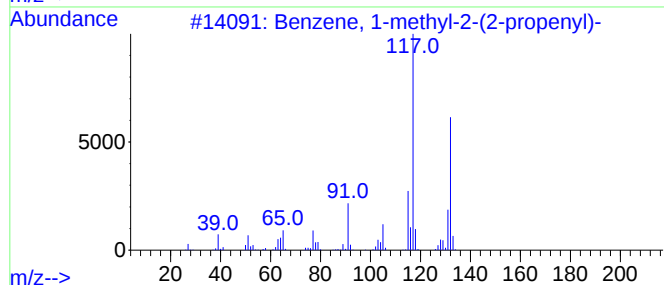
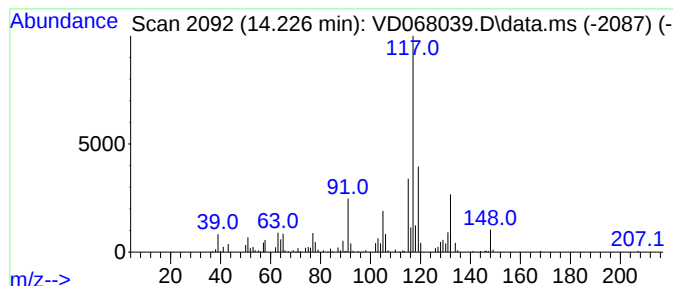
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 1-methyl-2-(2-prop... Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.226 | 8.17 ug/l | 283279 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 70   |
| 2    |    |   | (E)-1-Phenyl-1-butene               | 132 | C10H12  | 001005-64-7 | 64   |
| 3    |    |   | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 64   |
| 4    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 64   |
| 5    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

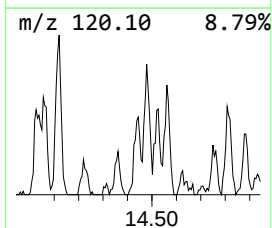
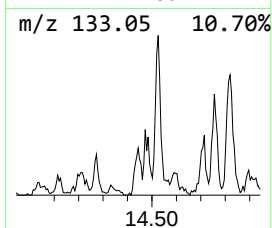
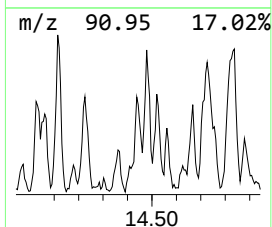
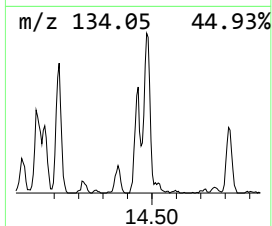
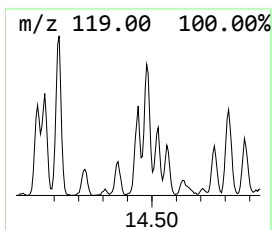
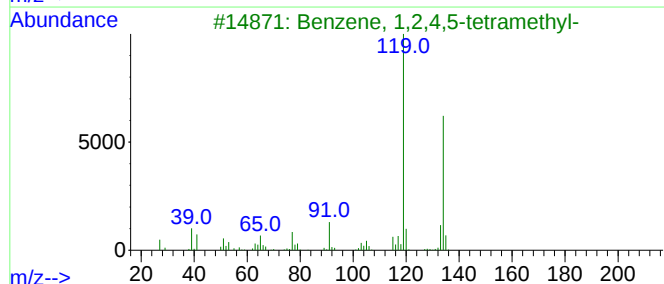
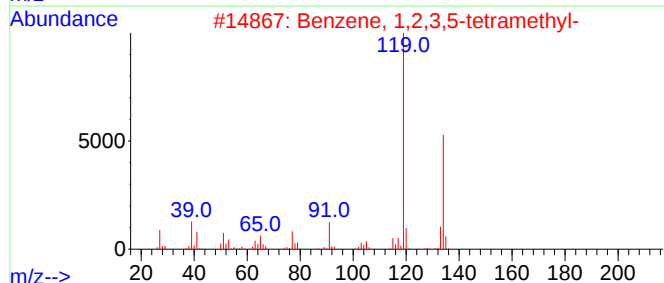
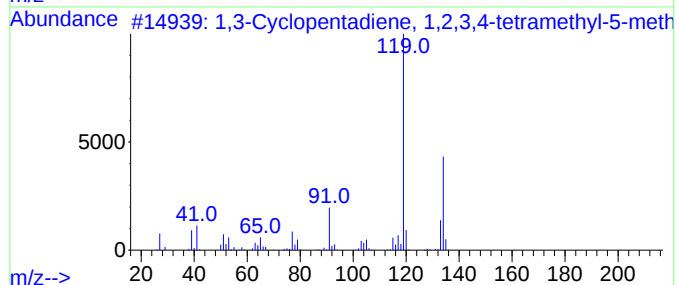
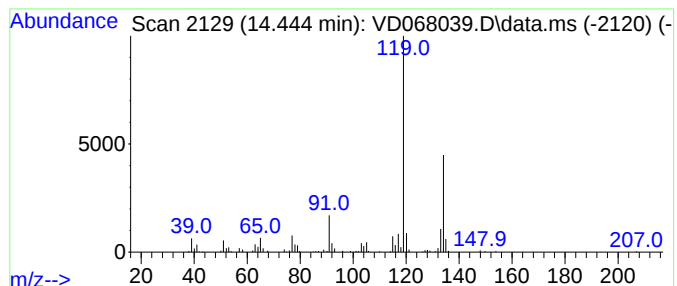
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.444 | 7.49 ug/l | 259782 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 95   |
| 2    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 94   |
| 3    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 94   |
| 4    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 94   |
| 5    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

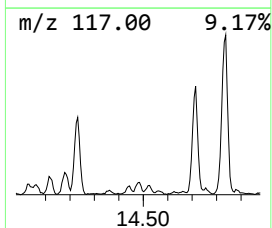
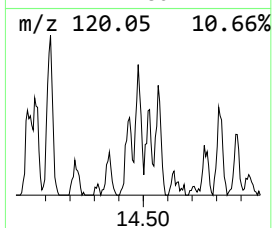
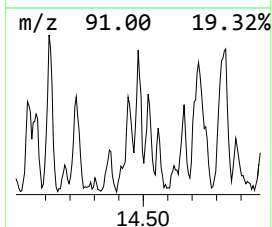
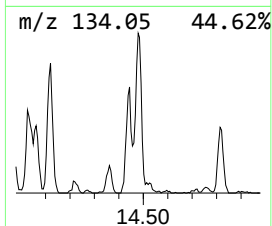
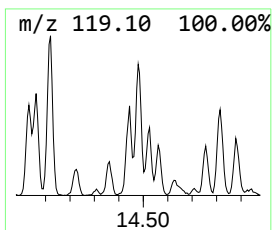
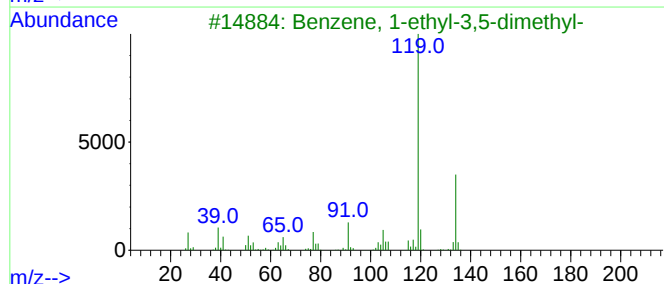
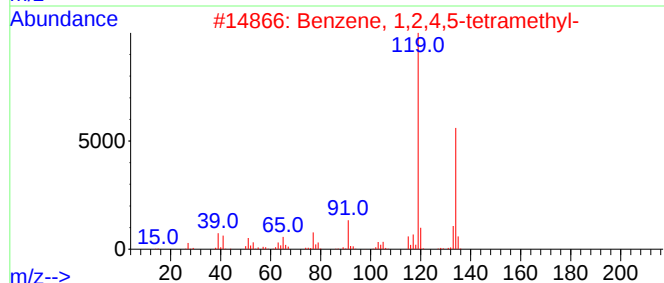
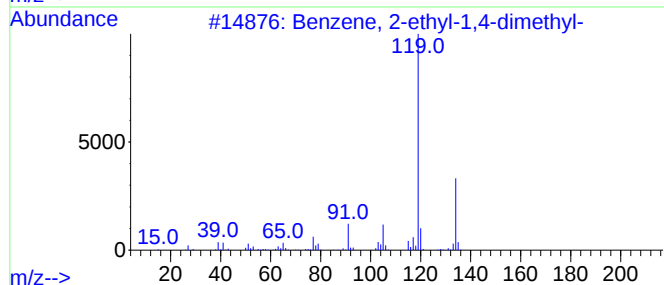
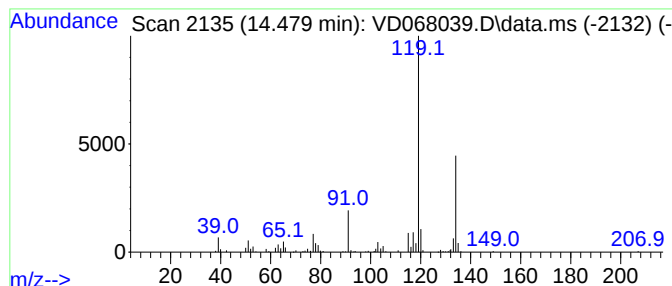
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.479 | 7.06 ug/l | 244866 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 91   |
| 3    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |
| 5    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

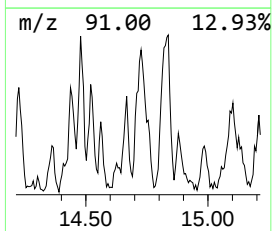
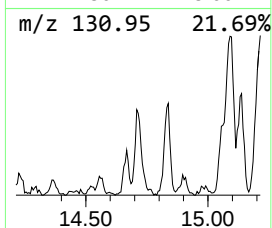
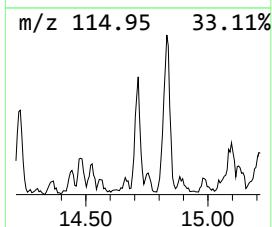
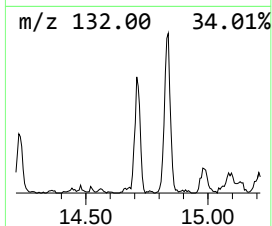
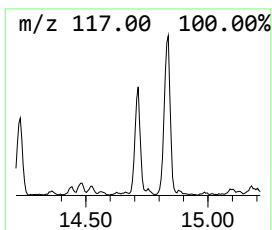
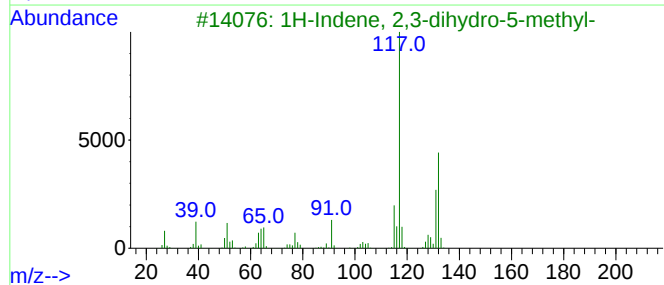
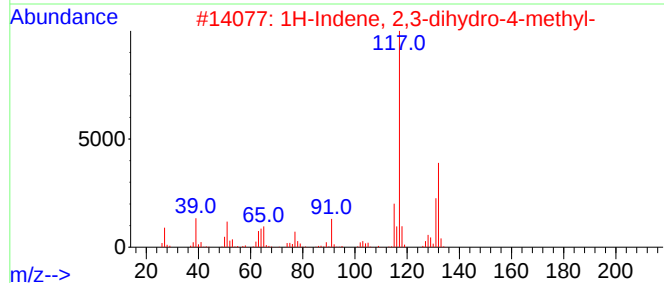
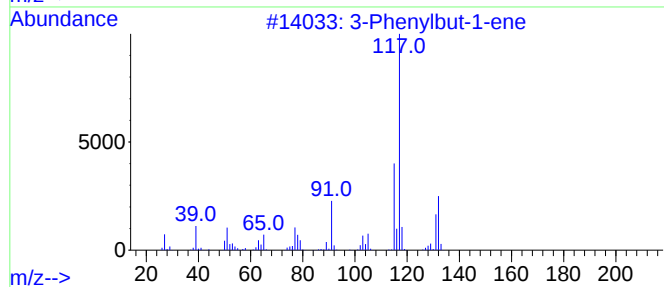
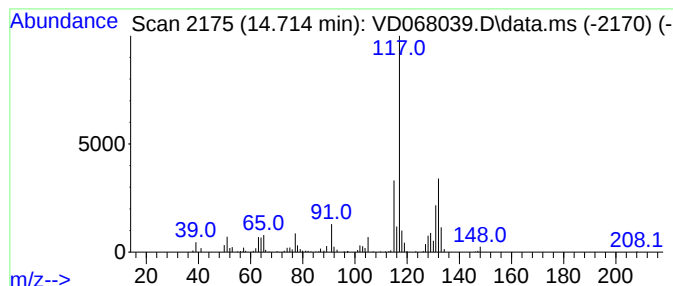
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Quant Title : SW846 8260

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

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Peak Number 7 3-Phenylbut-1-ene Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.714 | 10.22 ug/l | 354422 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 87   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |
| 4    |    |   | Benzene, (2-methyl-1-propenyl)-  | 132 | C10H12  | 000768-49-0 | 80   |
| 5    |    |   | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

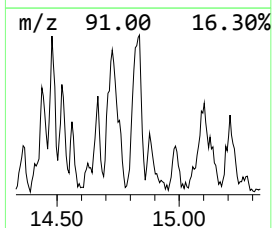
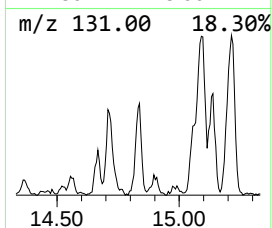
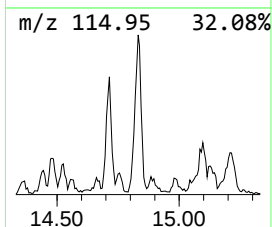
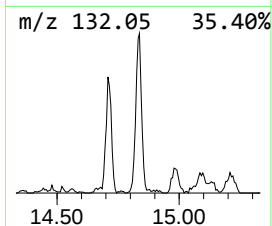
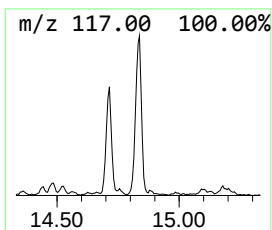
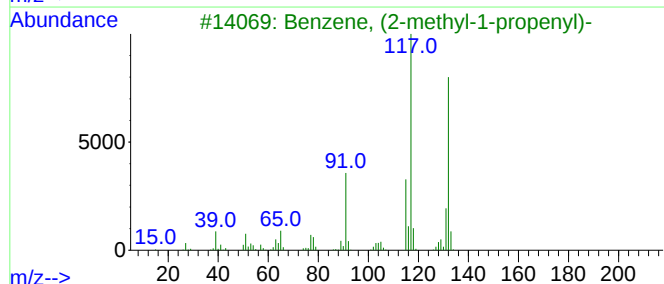
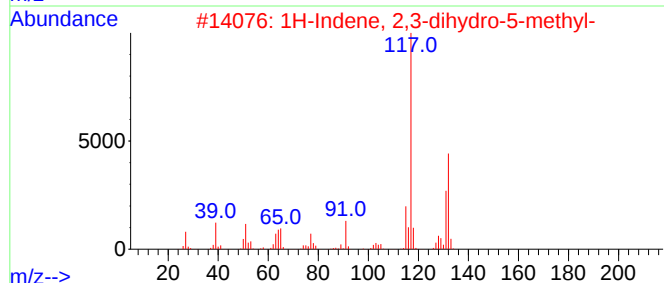
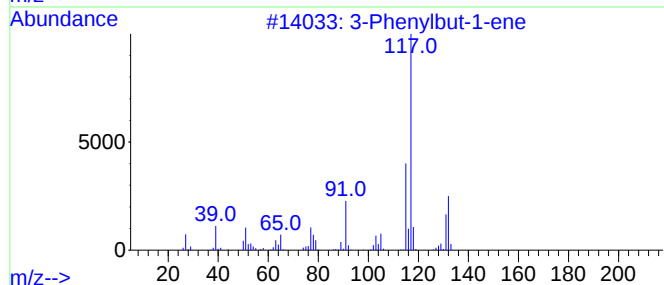
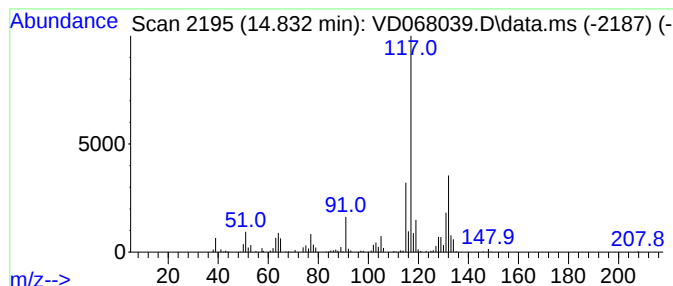
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.832 | 21.67 ug/l | 751632 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 87   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 81   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)-  | 132 | C10H12  | 000768-49-0 | 80   |
| 4    |    |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 76   |
| 5    |    |   | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

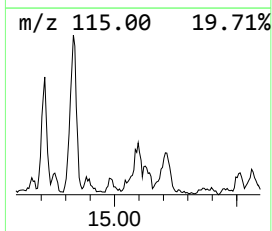
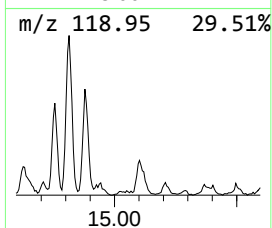
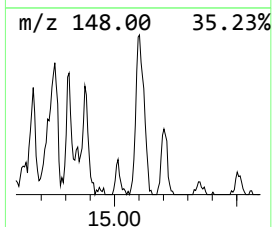
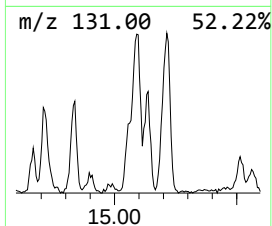
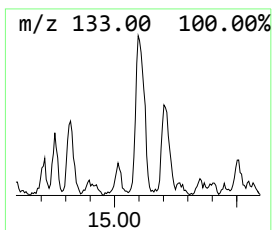
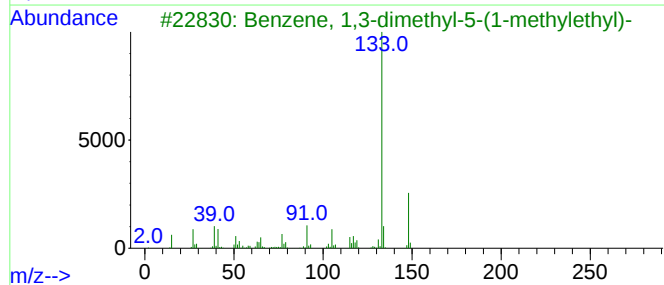
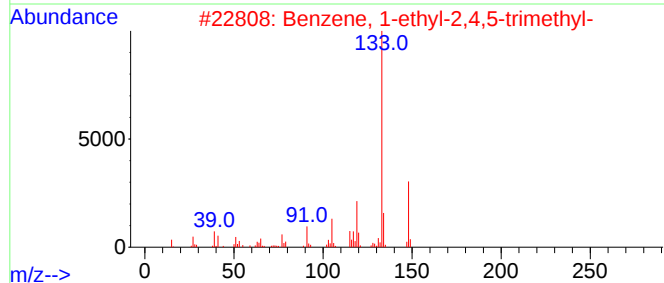
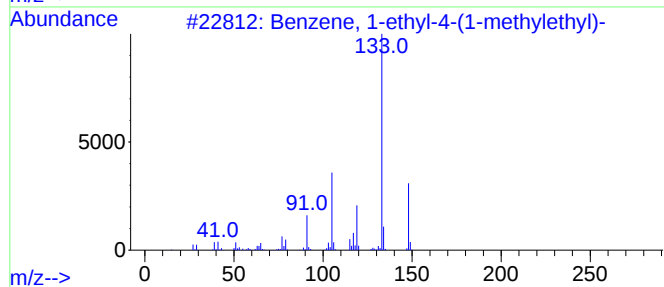
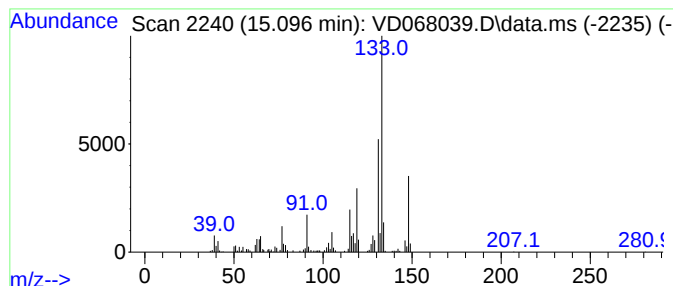
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.096 | 7.19 ug/l | 249292 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 64   |
| 2    |    |   | Benzene, 1-ethyl-2,4,5-trimethyl-   | 148 | C11H16  | 017851-27-3 | 58   |
| 3    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 53   |
| 4    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 53   |
| 5    |    |   | 1,5,6,7-Tetramethylbicyclo[3.2.0... | 148 | C11H16  | 134329-46-7 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12220S.M  
Quant Title : SW846 8260

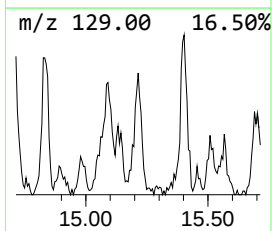
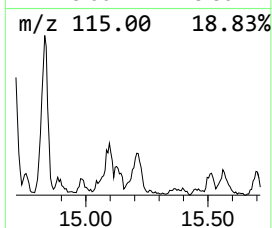
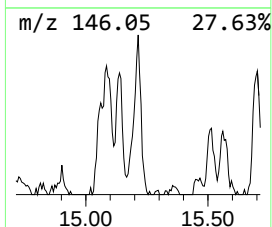
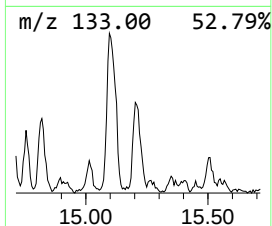
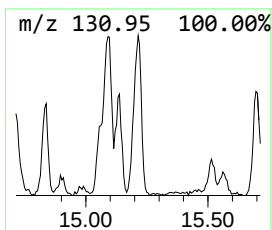
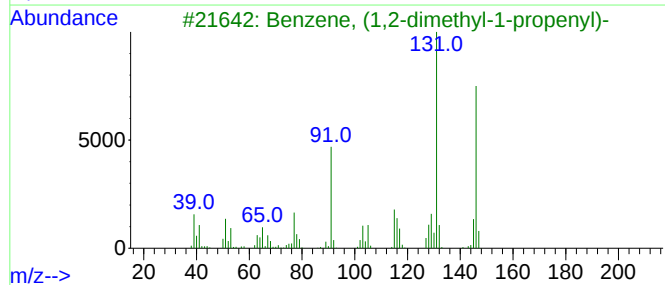
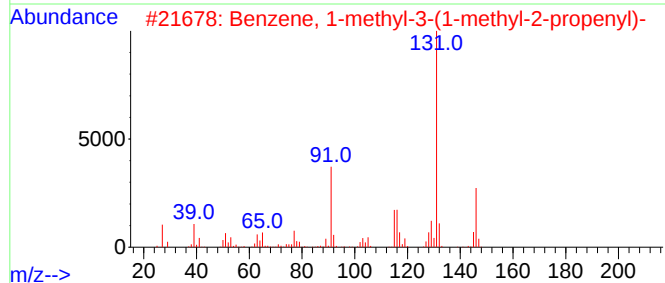
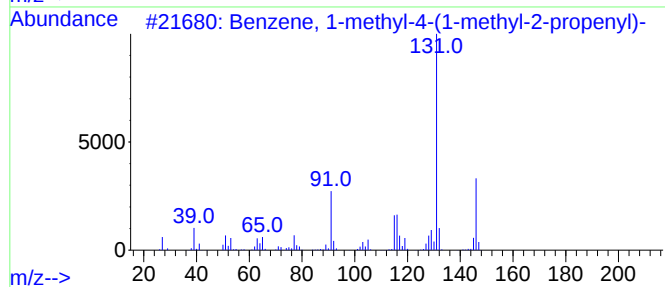
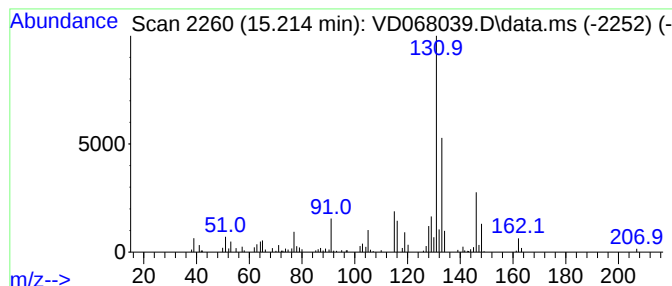
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.214 | 8.86 ug/l | 307390 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 86   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14  | 052161-57-6 | 70   |
| 3    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 64   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 64   |
| 5    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010721\  
Data File : VD068039.D  
Acq On : 07 Jan 2021 17:29  
Operator : VA/SY  
Sample : M1038-09  
Misc : 6.67G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CT-SP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.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 |
| Benzene, 1-ethy... | 12.885 | 13.5    | ug/l  | 469548   | 4                     | 13.573 | 1734200 | 50.0 |
| (Z)-1-Phenylpro... | 13.773 | 14.3    | ug/l  | 496421   | 4                     | 13.573 | 1734200 | 50.0 |
| Benzene, 1-ethy... | 14.120 | 11.1    | ug/l  | 385952   | 4                     | 13.573 | 1734200 | 50.0 |
| Benzene, 1-meth... | 14.226 | 8.2     | ug/l  | 283279   | 4                     | 13.573 | 1734200 | 50.0 |
| 1,3-Cyclopentad... | 14.444 | 7.5     | ug/l  | 259782   | 4                     | 13.573 | 1734200 | 50.0 |
| Benzene, 2-ethy... | 14.479 | 7.1     | ug/l  | 244866   | 4                     | 13.573 | 1734200 | 50.0 |
| 3-Phenylbut-1-ene  | 14.714 | 10.2    | ug/l  | 354422   | 4                     | 13.573 | 1734200 | 50.0 |
| 1H-Indene, 2,3-... | 14.832 | 21.7    | ug/l  | 751632   | 4                     | 13.573 | 1734200 | 50.0 |
| Benzene, 1-ethy... | 15.096 | 7.2     | ug/l  | 249292   | 4                     | 13.573 | 1734200 | 50.0 |
| Benzene, 1-meth... | 15.214 | 8.9     | ug/l  | 307390   | 4                     | 13.573 | 1734200 | 50.0 |