

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
 Data File : VY003010.D  
 Acq On : 29 Jun 2020 16:43  
 Operator : SY/MD  
 Sample : L3128-01  
 Misc : 5.81G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR-61

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\_Y\METHODS\82Y062920S.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         | 1.865       | 17            | 21          | 28           | rVB2     | 40779          | 58210         | 1.34%           | 0.188%        |
| 2         | 2.225       | 74            | 80          | 83           | rBV      | 25532          | 46287         | 1.06%           | 0.149%        |
| 3         | 3.255       | 242           | 249         | 257          | rVB2     | 22141          | 51035         | 1.17%           | 0.165%        |
| 4         | 3.962       | 355           | 365         | 374          | rBV      | 35234          | 107020        | 2.45%           | 0.345%        |
| 5         | 4.200       | 394           | 404         | 414          | rBV      | 24450          | 66578         | 1.53%           | 0.215%        |
| 6         | 4.731       | 479           | 491         | 509          | rBV2     | 96127          | 340366        | 7.81%           | 1.098%        |
| 7         | 5.755       | 648           | 659         | 672          | rBV2     | 25940          | 81811         | 1.88%           | 0.264%        |
| 8         | 7.005       | 853           | 864         | 876          | rBV2     | 15783          | 48501         | 1.11%           | 0.156%        |
| 9         | 7.724       | 971           | 982         | 988          | rBV      | 245051         | 599055        | 13.74%          | 1.933%        |
| 10        | 7.797       | 988           | 994         | 1004         | rVB      | 404240         | 918223        | 21.06%          | 2.963%        |
| 11        | 8.010       | 1019          | 1029        | 1038         | rVB2     | 19725          | 47880         | 1.10%           | 0.154%        |
| 12        | 8.151       | 1043          | 1052        | 1064         | rVB      | 234393         | 523372        | 12.00%          | 1.689%        |
| 13        | 8.553       | 1108          | 1118        | 1127         | rBV2     | 27346          | 61114         | 1.40%           | 0.197%        |
| 14        | 8.693       | 1131          | 1141        | 1154         | rBV      | 615302         | 1215449       | 27.88%          | 3.922%        |
| 15        | 10.181      | 1378          | 1385        | 1392         | rBV      | 970547         | 1635415       | 37.51%          | 5.277%        |
| 16        | 10.242      | 1392          | 1395        | 1400         | rVB      | 33364          | 53045         | 1.22%           | 0.171%        |
| 17        | 11.089      | 1530          | 1534        | 1539         | rVB2     | 29304          | 46594         | 1.07%           | 0.150%        |
| 18        | 11.284      | 1557          | 1566        | 1576         | rVB5     | 36776          | 112378        | 2.58%           | 0.363%        |
| 19        | 11.382      | 1576          | 1582        | 1592         | rBV      | 42111          | 76327         | 1.75%           | 0.246%        |
| 20        | 11.516      | 1592          | 1604        | 1611         | rBV2     | 1959000        | 4360124       | 100.00%         | 14.068%       |
| 21        | 11.693      | 1625          | 1633        | 1636         | rBV5     | 63768          | 160539        | 3.68%           | 0.518%        |
| 22        | 11.735      | 1636          | 1640        | 1644         | rVB      | 94196          | 131282        | 3.01%           | 0.424%        |
| 23        | 11.778      | 1644          | 1647        | 1652         | rVB2     | 76847          | 117196        | 2.69%           | 0.378%        |
| 24        | 11.888      | 1660          | 1665        | 1669         | rBV5     | 33605          | 65273         | 1.50%           | 0.211%        |
| 25        | 11.930      | 1669          | 1672        | 1676         | rVB2     | 32229          | 44928         | 1.03%           | 0.145%        |
| 26        | 12.004      | 1676          | 1684        | 1690         | rBV5     | 189967         | 452619        | 10.38%          | 1.460%        |
| 27        | 12.119      | 1699          | 1703        | 1707         | rVB      | 155529         | 214642        | 4.92%           | 0.693%        |
| 28        | 12.162      | 1707          | 1710        | 1712         | rBV      | 60351          | 86754         | 1.99%           | 0.280%        |
| 29        | 12.199      | 1712          | 1716        | 1719         | rBV2     | 154984         | 249049        | 5.71%           | 0.804%        |
| 30        | 12.241      | 1719          | 1723        | 1728         | rVB4     | 283782         | 550394        | 12.62%          | 1.776%        |
| 31        | 12.382      | 1739          | 1746        | 1749         | rBV5     | 138324         | 317842        | 7.29%           | 1.026%        |
| 32        | 12.412      | 1749          | 1751        | 1756         | rVB3     | 131549         | 167309        | 3.84%           | 0.540%        |
| 33        | 12.479      | 1756          | 1762        | 1767         | rVB2     | 611381         | 1009481       | 23.15%          | 3.257%        |
| 34        | 12.571      | 1772          | 1777        | 1781         | rBV6     | 79723          | 166501        | 3.82%           | 0.537%        |

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 Misc : 5.81G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RBR-61

## 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\_Y\METHODS\82Y062920S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 12.644 | 1784 | 1789 | 1796 | rVB3 | 385808 | 770886  | 17.68% | 2.487% |
| 36 | 12.729 | 1796 | 1803 | 1809 | rBV8 | 184313 | 546650  | 12.54% | 1.764% |
| 37 | 12.808 | 1809 | 1816 | 1822 | rBV4 | 498632 | 1126829 | 25.84% | 3.636% |
| 38 | 12.857 | 1822 | 1824 | 1829 | rVB3 | 196521 | 261291  | 5.99%  | 0.843% |
| 39 | 12.912 | 1829 | 1833 | 1836 | rBV  | 116103 | 171471  | 3.93%  | 0.553% |
| 40 | 12.949 | 1836 | 1839 | 1842 | rVB2 | 145473 | 167395  | 3.84%  | 0.540% |
| 41 | 12.997 | 1842 | 1847 | 1850 | rBV5 | 116778 | 233938  | 5.37%  | 0.755% |
| 42 | 13.040 | 1850 | 1854 | 1857 | rBV  | 408226 | 596778  | 13.69% | 1.926% |
| 43 | 13.168 | 1871 | 1875 | 1881 | rBV3 | 163297 | 293296  | 6.73%  | 0.946% |
| 44 | 13.253 | 1881 | 1889 | 1891 | rVV5 | 182400 | 399827  | 9.17%  | 1.290% |
| 45 | 13.284 | 1891 | 1894 | 1897 | rVV2 | 314357 | 560604  | 12.86% | 1.809% |
| 46 | 13.320 | 1897 | 1900 | 1903 | rVV  | 428877 | 612436  | 14.05% | 1.976% |
| 47 | 13.357 | 1903 | 1906 | 1910 | rVV4 | 173207 | 251723  | 5.77%  | 0.812% |
| 48 | 13.436 | 1910 | 1919 | 1924 | rVV2 | 799134 | 2148498 | 49.28% | 6.932% |
| 49 | 13.485 | 1924 | 1927 | 1936 | rVB3 | 331138 | 676987  | 15.53% | 2.184% |
| 50 | 13.564 | 1937 | 1940 | 1941 | rBV3 | 50928  | 58024   | 1.33%  | 0.187% |
| 51 | 13.595 | 1942 | 1945 | 1947 | rVV  | 110645 | 143093  | 3.28%  | 0.462% |
| 52 | 13.637 | 1947 | 1952 | 1956 | rVB2 | 135583 | 246369  | 5.65%  | 0.795% |
| 53 | 13.747 | 1965 | 1970 | 1975 | rBV4 | 541985 | 903316  | 20.72% | 2.915% |
| 54 | 13.790 | 1975 | 1977 | 1981 | rVB2 | 63383  | 80417   | 1.84%  | 0.259% |
| 55 | 13.918 | 1995 | 1998 | 2000 | rBV3 | 46333  | 68841   | 1.58%  | 0.222% |
| 56 | 13.973 | 2002 | 2007 | 2012 | rVB  | 571418 | 874747  | 20.06% | 2.822% |
| 57 | 14.076 | 2019 | 2024 | 2029 | rVB3 | 302179 | 490345  | 11.25% | 1.582% |
| 58 | 14.144 | 2029 | 2035 | 2041 | rBV6 | 99597  | 230921  | 5.30%  | 0.745% |
| 59 | 14.198 | 2041 | 2044 | 2046 | rBV3 | 43825  | 65777   | 1.51%  | 0.212% |
| 60 | 14.265 | 2049 | 2055 | 2057 | rVV4 | 218681 | 453046  | 10.39% | 1.462% |
| 61 | 14.296 | 2057 | 2060 | 2069 | rVB2 | 413993 | 704677  | 16.16% | 2.274% |
| 62 | 14.381 | 2069 | 2074 | 2078 | rBV3 | 201160 | 352095  | 8.08%  | 1.136% |
| 63 | 14.418 | 2078 | 2080 | 2084 | rVB3 | 87717  | 99088   | 2.27%  | 0.320% |
| 64 | 14.564 | 2100 | 2104 | 2109 | rBV3 | 91485  | 154892  | 3.55%  | 0.500% |
| 65 | 14.613 | 2109 | 2112 | 2117 | rVB2 | 102149 | 133331  | 3.06%  | 0.430% |
| 66 | 14.674 | 2117 | 2122 | 2128 | rBV2 | 438629 | 872408  | 20.01% | 2.815% |
| 67 | 14.735 | 2128 | 2132 | 2138 | rVB2 | 214607 | 365900  | 8.39%  | 1.181% |
| 68 | 14.802 | 2138 | 2143 | 2146 | rBV6 | 31903  | 61905   | 1.42%  | 0.200% |
| 69 | 14.948 | 2162 | 2167 | 2170 | rBV2 | 157624 | 230555  | 5.29%  | 0.744% |
| 70 | 15.052 | 2179 | 2184 | 2189 | rVB3 | 126114 | 211552  | 4.85%  | 0.683% |
| 71 | 15.216 | 2204 | 2211 | 2218 | rBV3 | 128744 | 283473  | 6.50%  | 0.915% |

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
RBR-61

## 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\_Y\METHODS\82Y062920S.M  
Title : SW846 8260

|    |        |      |      |      |       |       |        |       |        |
|----|--------|------|------|------|-------|-------|--------|-------|--------|
| 72 | 15.345 | 2227 | 2232 | 2236 | rBV3  | 52182 | 101361 | 2.32% | 0.327% |
| 73 | 15.393 | 2237 | 2240 | 2244 | rVV4  | 41971 | 64507  | 1.48% | 0.208% |
| 74 | 15.430 | 2244 | 2246 | 2255 | rVB10 | 36662 | 69715  | 1.60% | 0.225% |
| 75 | 15.527 | 2257 | 2262 | 2269 | rBV8  | 40807 | 97642  | 2.24% | 0.315% |
| 76 | 15.607 | 2271 | 2275 | 2280 | rVB6  | 42357 | 75749  | 1.74% | 0.244% |
| 77 | 15.692 | 2280 | 2289 | 2292 | rBV7  | 35258 | 87525  | 2.01% | 0.282% |
| 78 | 16.027 | 2339 | 2344 | 2349 | rVB6  | 31962 | 64074  | 1.47% | 0.207% |
| 79 | 16.155 | 2361 | 2365 | 2372 | rVB   | 56664 | 92288  | 2.12% | 0.298% |
| 80 | 16.289 | 2383 | 2387 | 2395 | rBV2  | 41562 | 85566  | 1.96% | 0.276% |
| 81 | 16.491 | 2413 | 2420 | 2424 | rBV4  | 51648 | 122224 | 2.80% | 0.394% |
| 82 | 16.881 | 2478 | 2484 | 2489 | rBV10 | 21735 | 46561  | 1.07% | 0.150% |

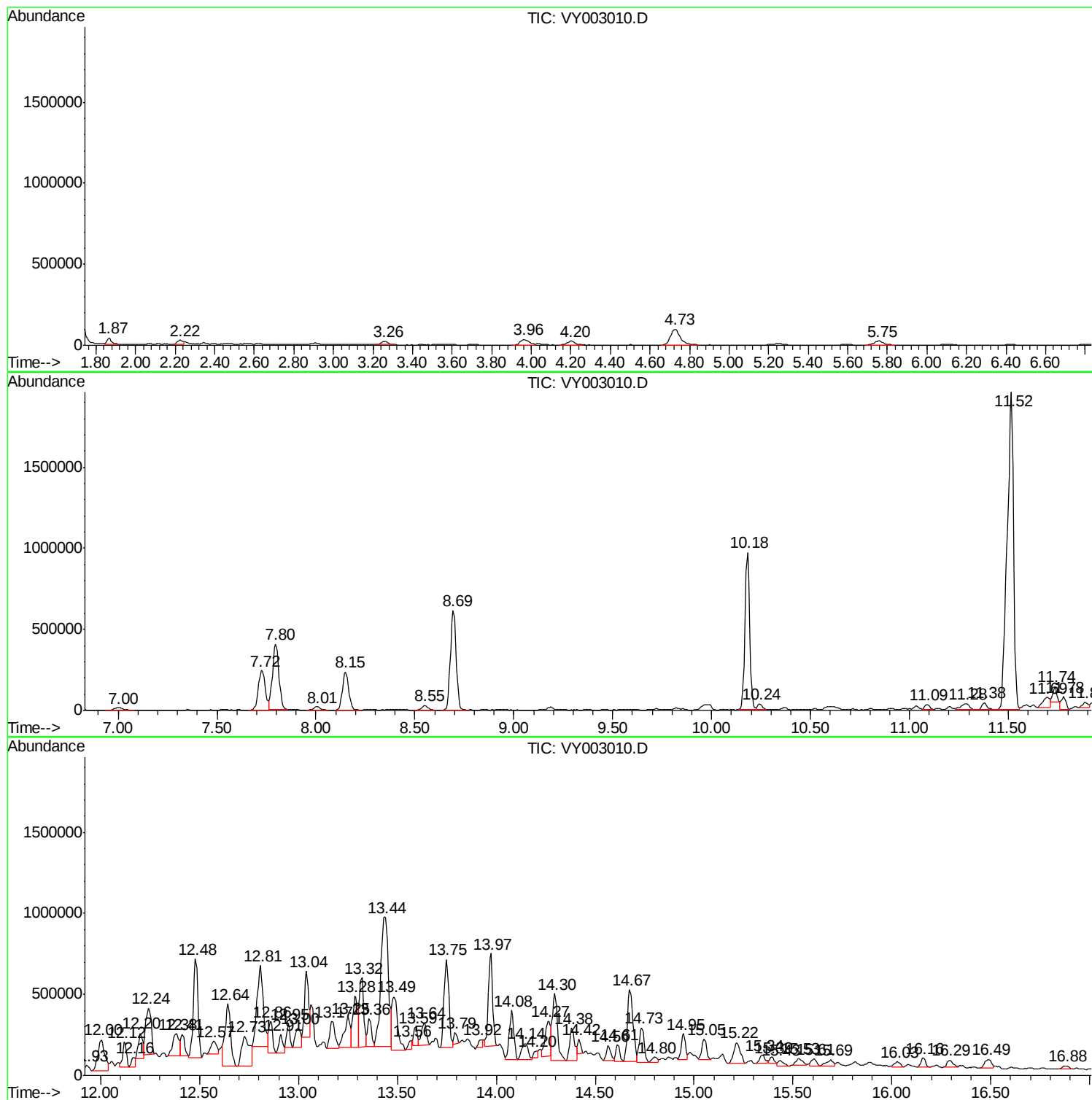
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

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



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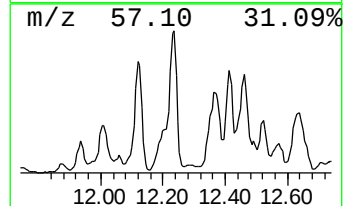
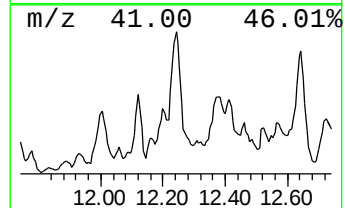
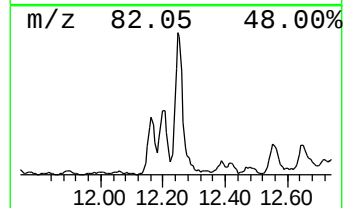
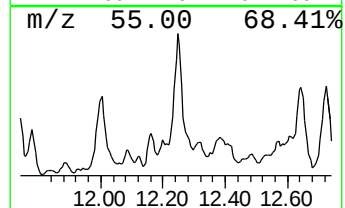
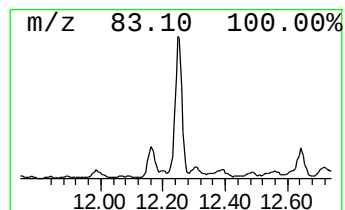
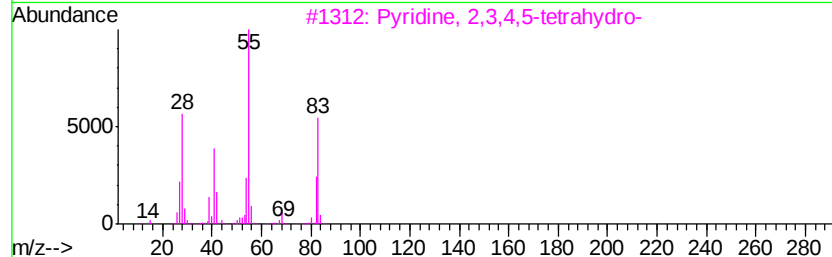
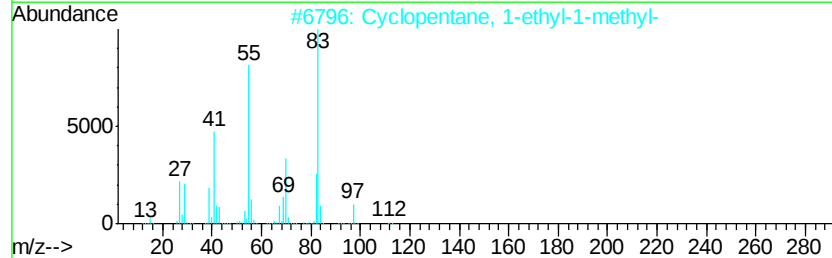
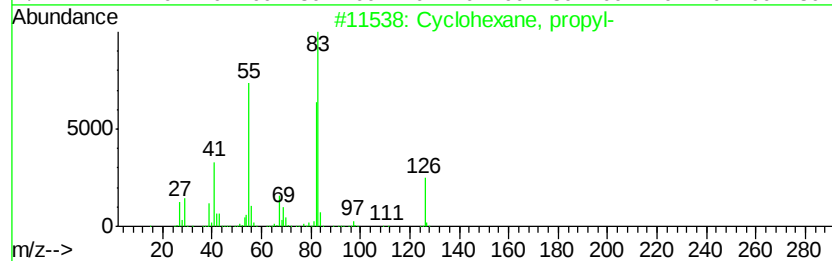
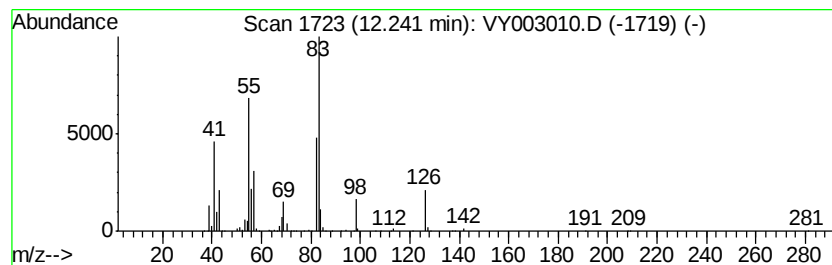
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexane, propyl- Concentration Rank 9

| R.T.    | EstConc   | Area                               | Relative to ISTD | R.T.    |             |      |
|---------|-----------|------------------------------------|------------------|---------|-------------|------|
| 12.24   | 6.31 ug/l | 550394                             | Chlorobenzene-d5 | 11.49   |             |      |
| Hit# of | 5         | Tentative ID                       | MW               | MolForm | CAS#        | Qual |
| 1       |           | Cvclohexane, propyl-               | 126              | C9H18   | 001678-92-8 | 87   |
| 2       |           | Cyclopentane, 1-ethyl-1-methyl-    | 112              | C8H16   | 016747-50-5 | 53   |
| 3       |           | Pvridine, 2,3,4,5-tetrahydro-      | 83               | C5H9N   | 000505-18-0 | 53   |
| 4       |           | Ethanone, 1-(1-methylcyclopentyl)- | 126              | C8H14O  | 013388-93-7 | 50   |
| 5       |           | Cyclohexane, (1-methylethyl)-      | 126              | C9H18   | 000696-29-7 | 49   |





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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
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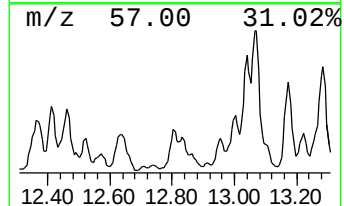
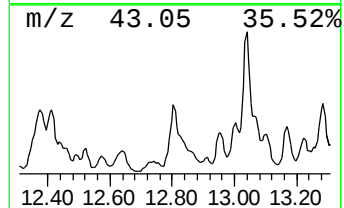
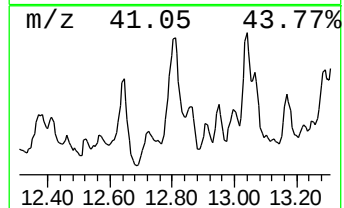
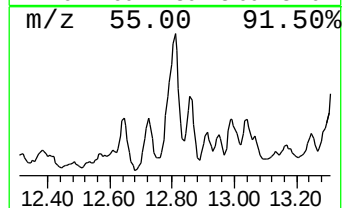
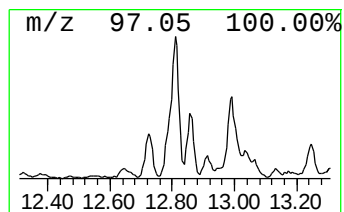
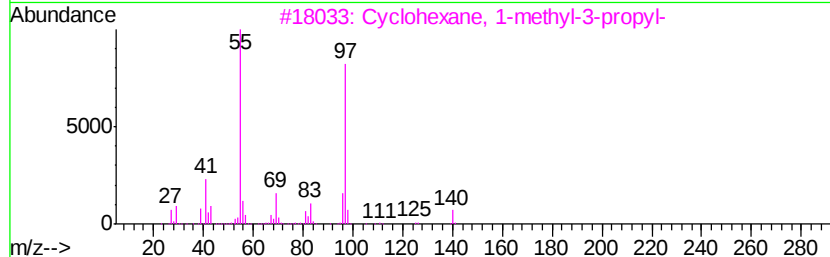
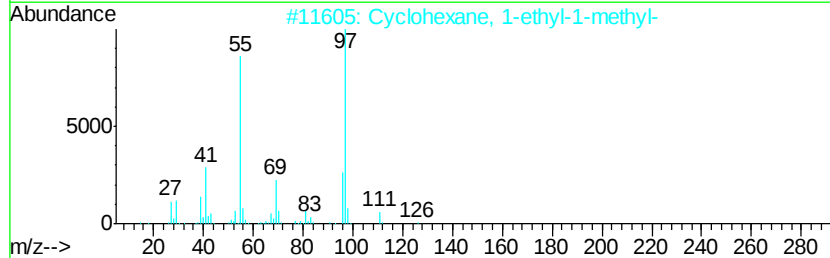
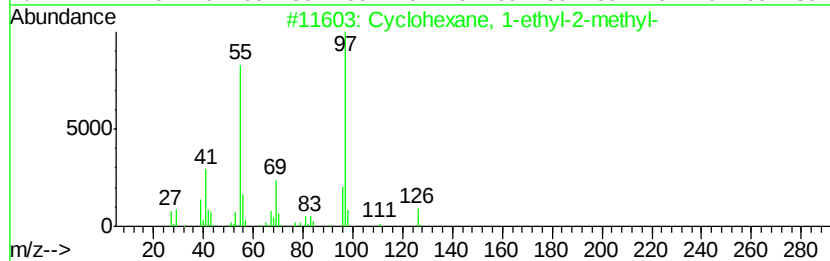
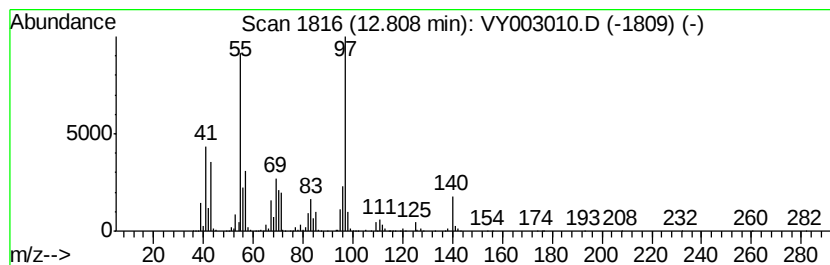
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.81 | 26.22 ug/l | 1126830 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18   | 003728-54-9  | 53   |
| 2    |    | Cyclohexane, 1-ethyl-1-methyl-      | 126 | C9H18   | 004926-90-3  | 49   |
| 3    |    | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20  | 004291-80-9  | 49   |
| 4    |    | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0  | 47   |
| 5    |    | 2,4-Dimethyl-1,5-diazabicyclo[3.... | 112 | C6H12N2 | 1000283-20-9 | 47   |



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MSVOA\_Y  
ClientSampled :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

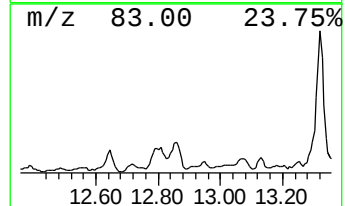
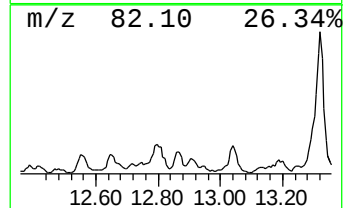
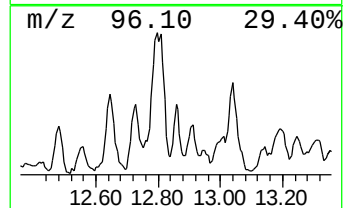
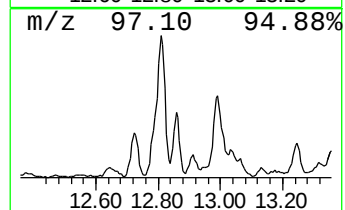
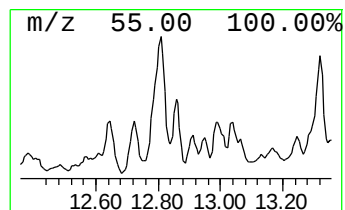
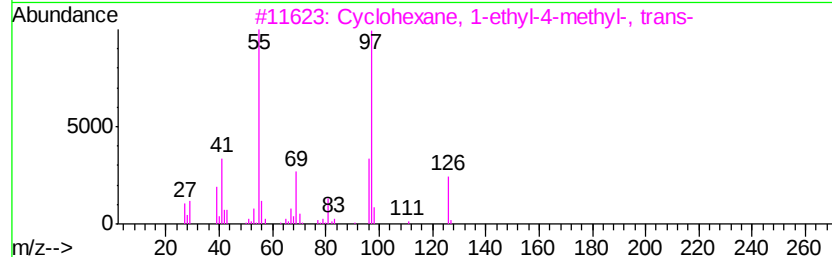
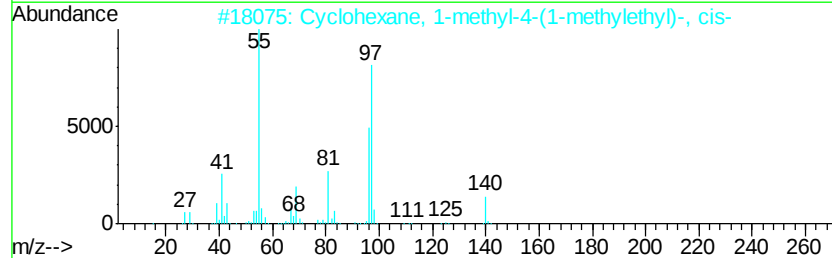
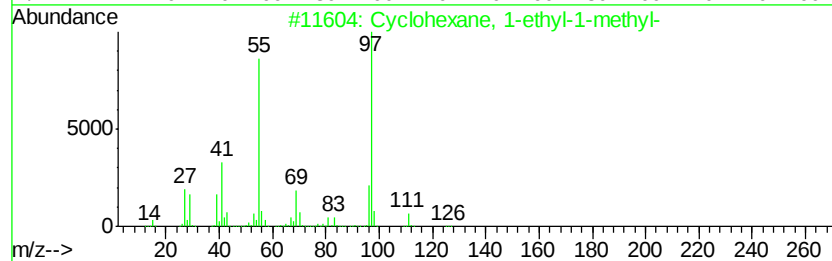
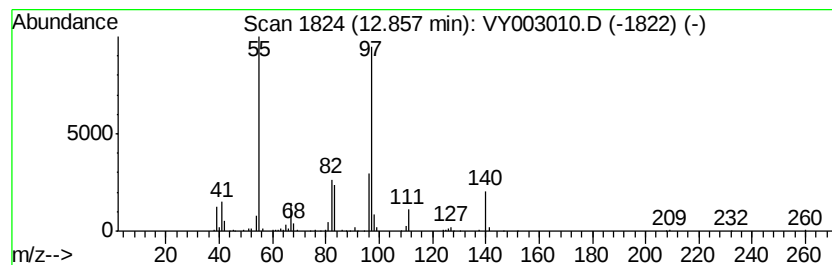
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.86 | 6.08 ug/l | 261291 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                          | MW  | MolForm      | CAS#        | Qual |
|------|----|---------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-1-methyl-        | 126 | C9H18        | 004926-90-3 | 53   |
| 2    |    | Cyclohexane, 1-methyl-4-(1-methyl-... | 140 | C10H20       | 006069-98-3 | 52   |
| 3    |    | Cyclohexane, 1-ethyl-4-methyl-, ...   | 126 | C9H18        | 006236-88-0 | 50   |
| 4    |    | Semustine                             | 247 | C10H18ClN3O2 | 013909-09-6 | 47   |
| 5    |    | Cyclohexane, 1-(cyclohexylmethyl)-    | 194 | C14H26       | 054823-95-9 | 47   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

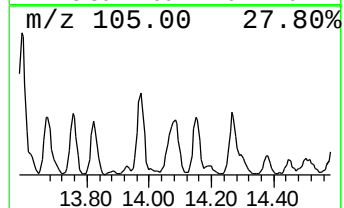
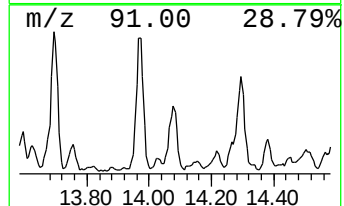
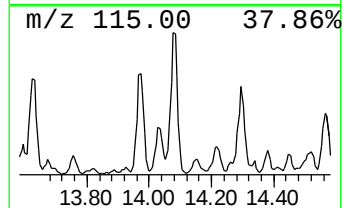
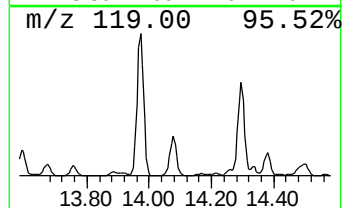
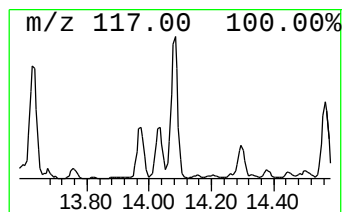
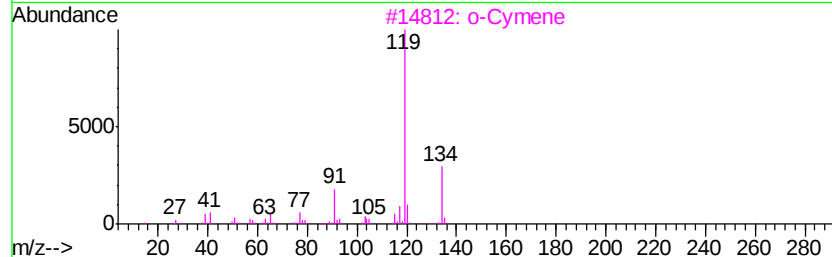
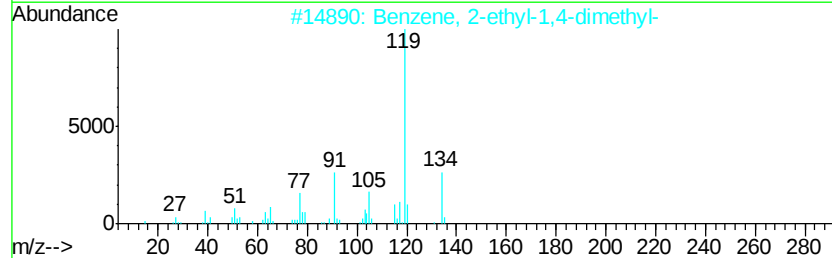
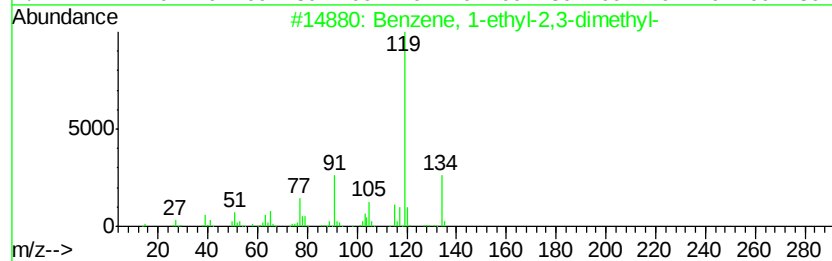
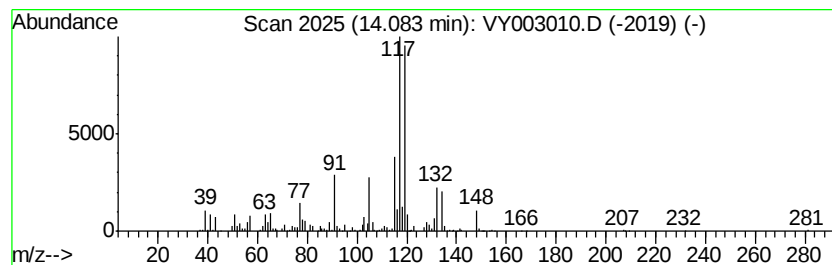
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TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.08 | 11.41 ug/l | 490345 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------------|-----|---------|-------------|------|
| 1       | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 55   |
| 2       | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 50   |
| 3       | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 46   |
| 4       | 3-Phenylbut-1-ene              | 132 | C10H12  | 000934-10-1 | 46   |
| 5       | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

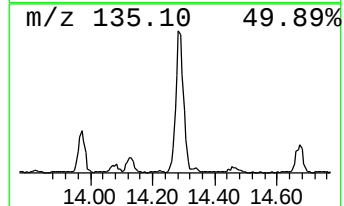
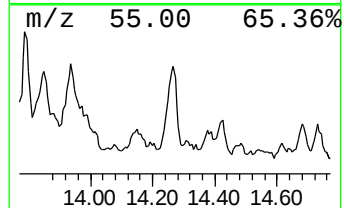
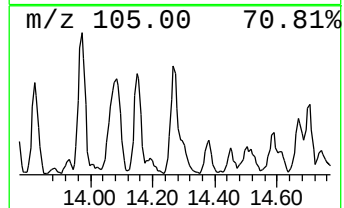
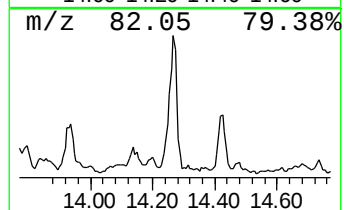
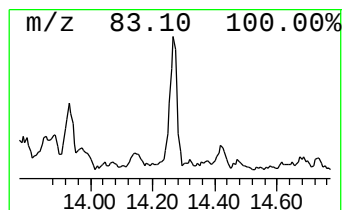
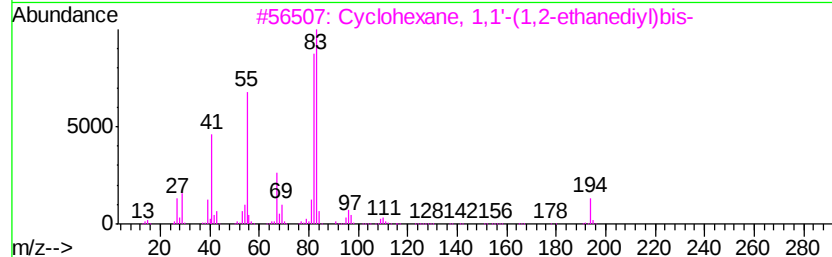
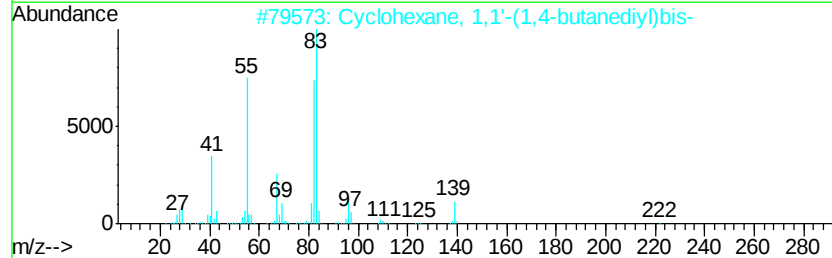
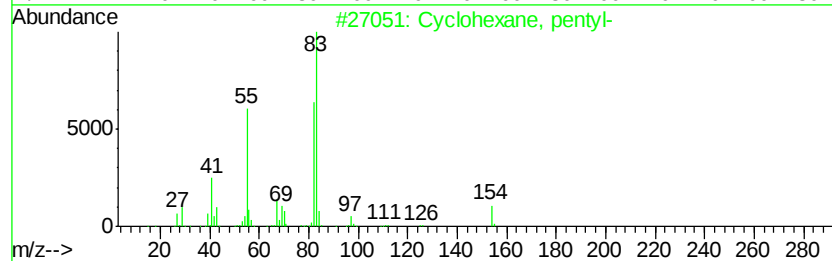
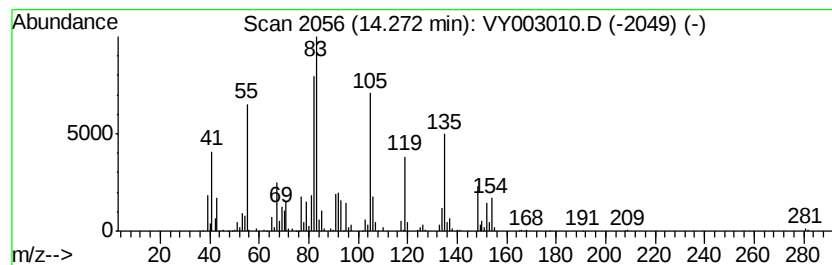
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown14.27 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.27 | 10.54 ug/l | 453046 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6 | 46   |
| 2    |    | Cyclohexane, 1,1'-(1,4-butanediyl)- | 222 | C16H30  | 006165-44-2 | 43   |
| 3    |    | Cyclohexane, 1,1'-(1,2-ethanediyl)- | 194 | C14H26  | 003321-50-4 | 38   |
| 4    |    | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 38   |
| 5    |    | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

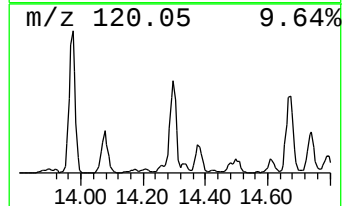
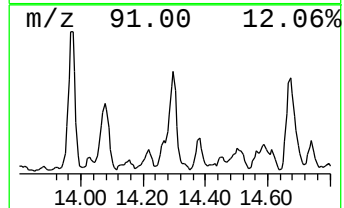
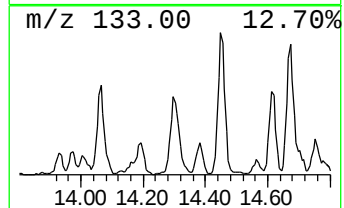
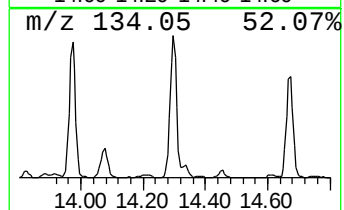
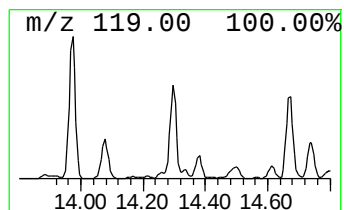
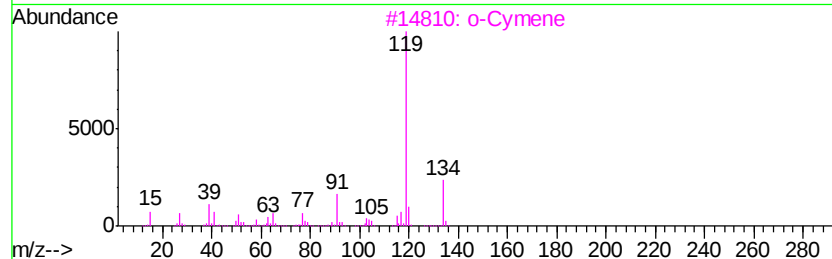
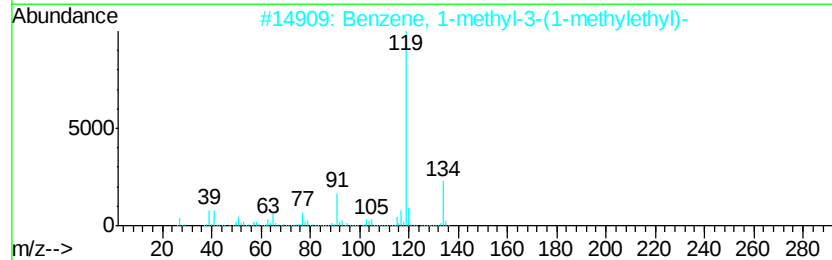
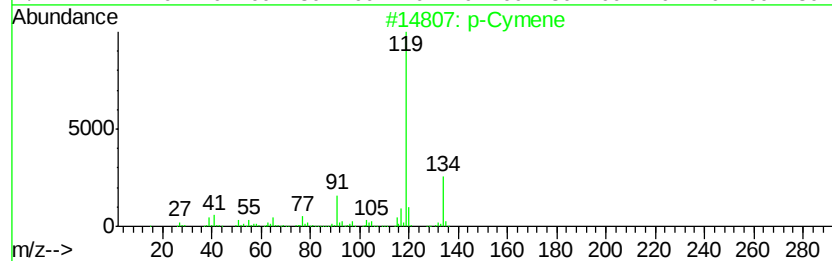
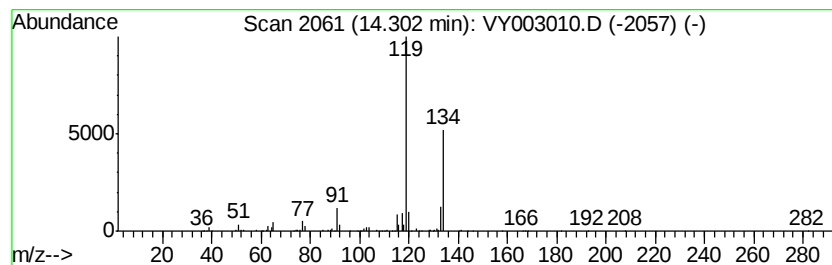
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 p-Cymene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.30 | 16.40 ug/l | 704677 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 91   |
| 2    |    | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 91   |
| 3    |    | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 90   |
| 4    |    | Benzene, 2-ethyl-1,3-dimethyl-       | 134 | C10H14  | 002870-04-4 | 90   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

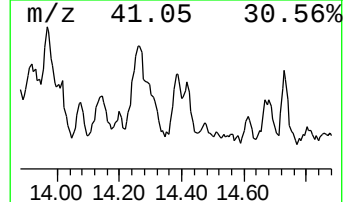
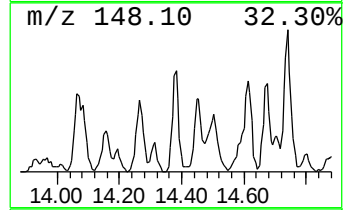
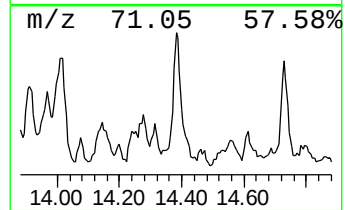
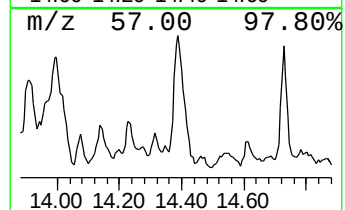
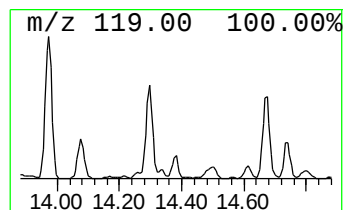
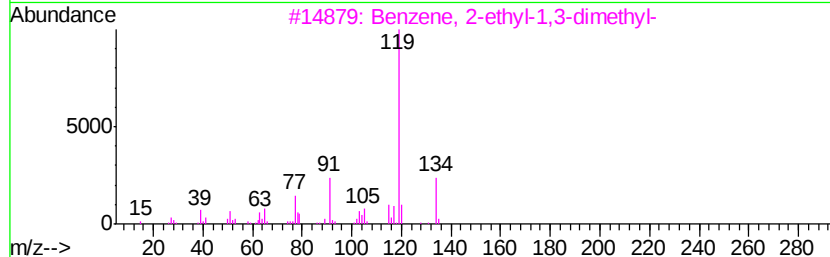
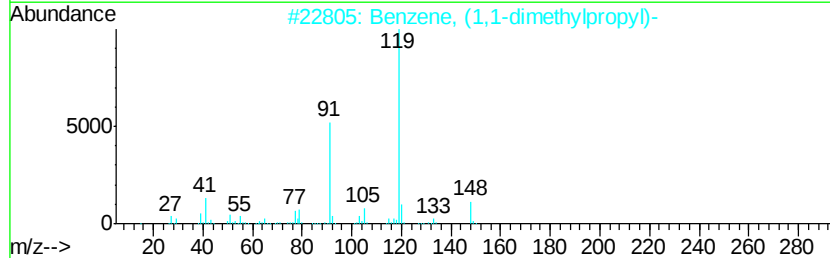
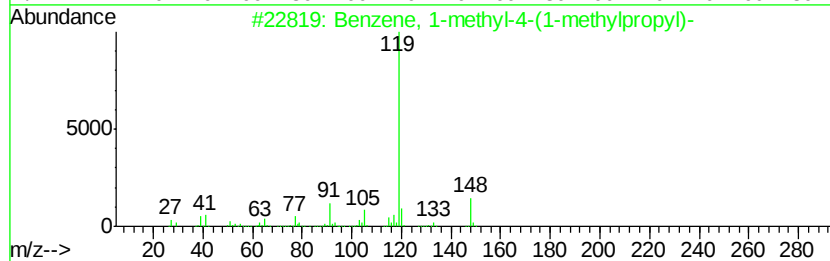
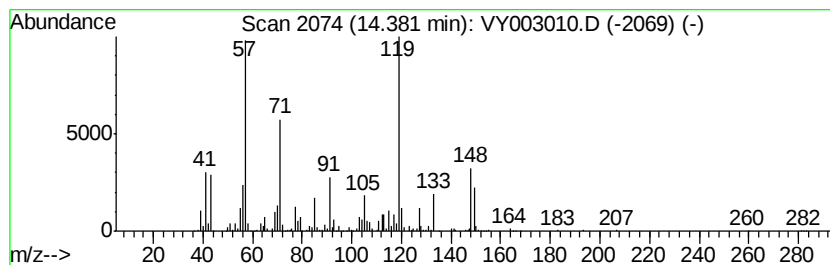
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown14.38 Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.38 | 8.19 ug/l | 352095 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 46   |
| 2    |    | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 38   |
| 3    |    | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 25   |
| 4    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 25   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 22   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

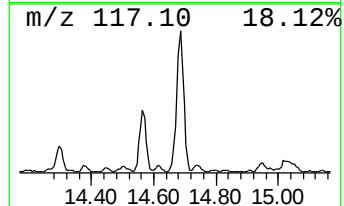
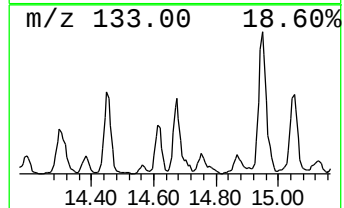
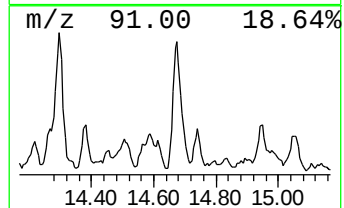
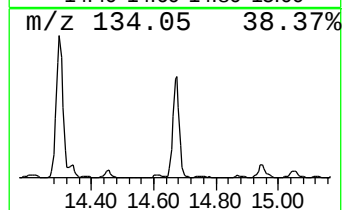
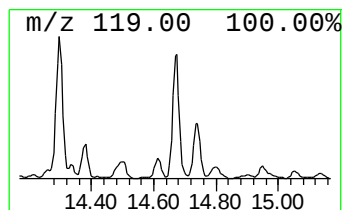
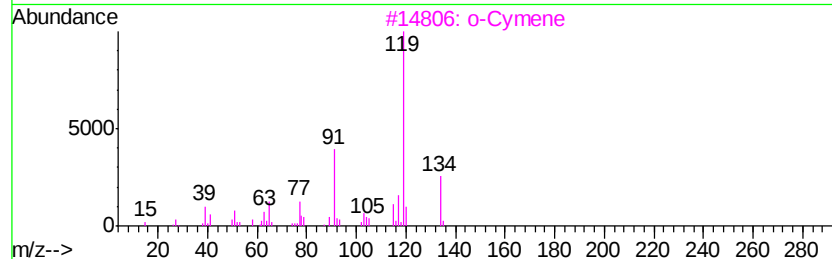
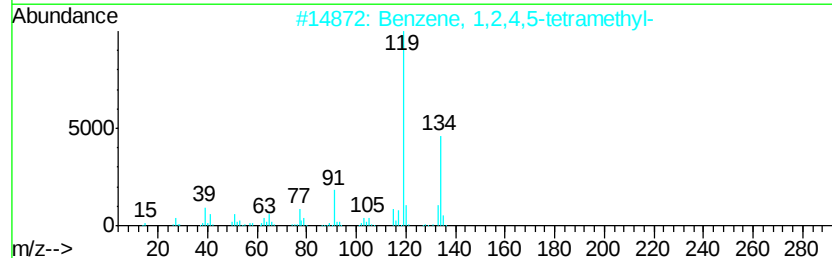
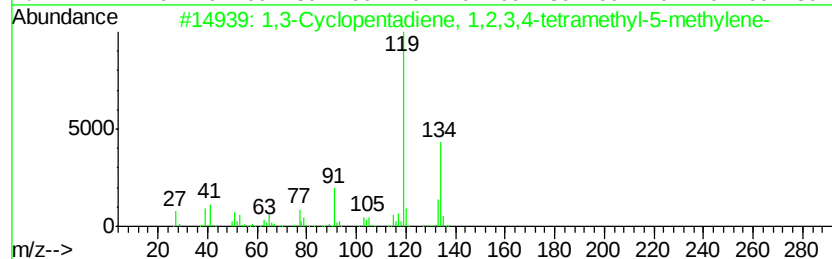
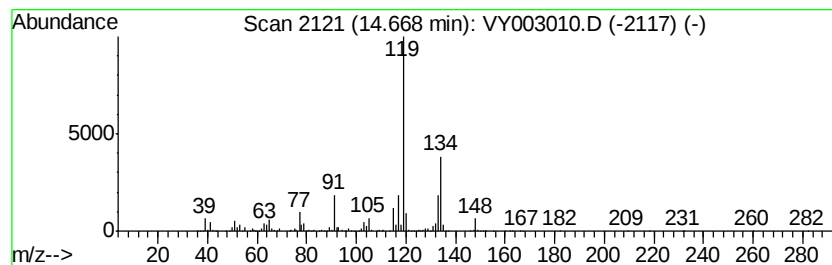
Instrument :  
MSVOA\_Y  
ClientSampled :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.67   | 20.30 ug/l                          | 872408       | 1,4-Dichlorobenzene-d4 | 13.42     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 C10H14   | 076089-59-3            | 81        |
| 2       | Benzene, 1,2,4,5-tetramethyl-       | 134 C10H14   | 000095-93-2            | 76        |
| 3       | o-Cymene                            | 134 C10H14   | 000527-84-4            | 76        |
| 4       | Benzene, 1-ethyl-2,4-dimethyl-      | 134 C10H14   | 000874-41-9            | 70        |
| 5       | Benzene, 1,2,3,4-tetramethyl-       | 134 C10H14   | 000488-23-3            | 68        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260

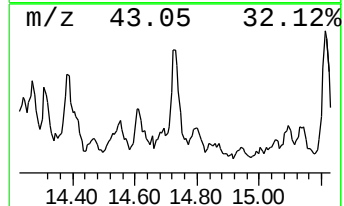
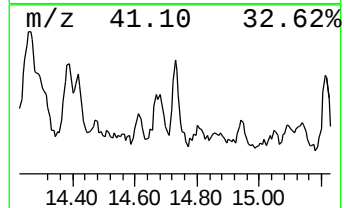
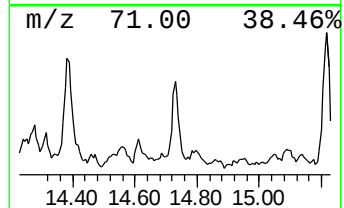
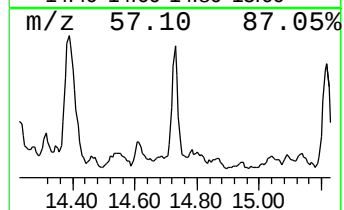
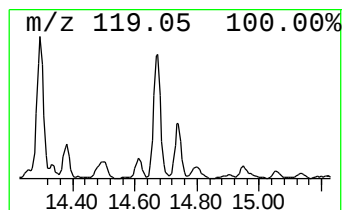
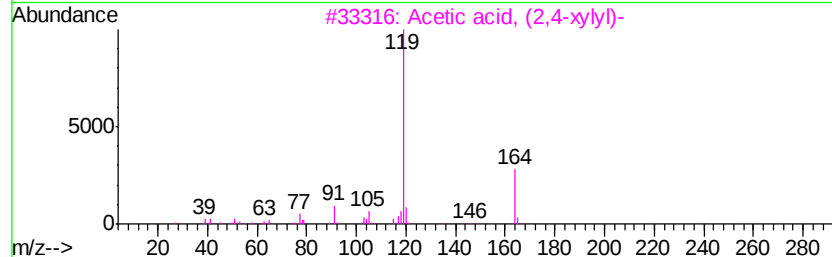
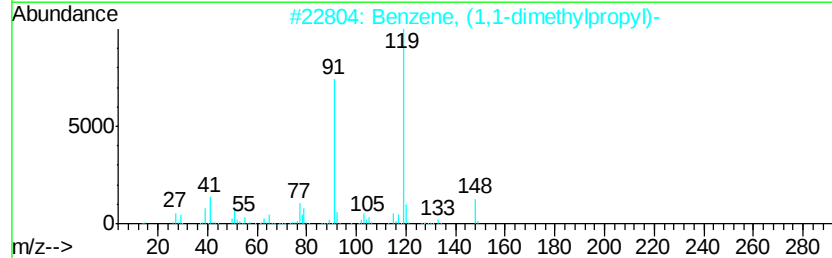
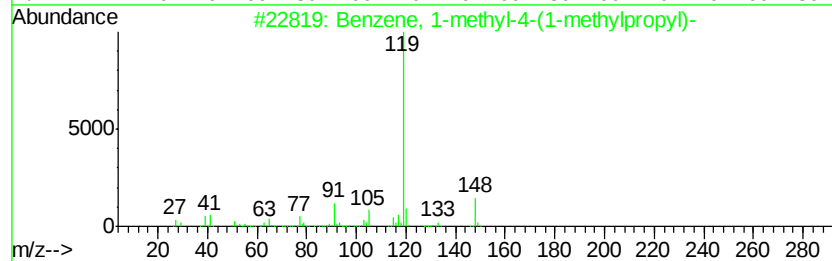
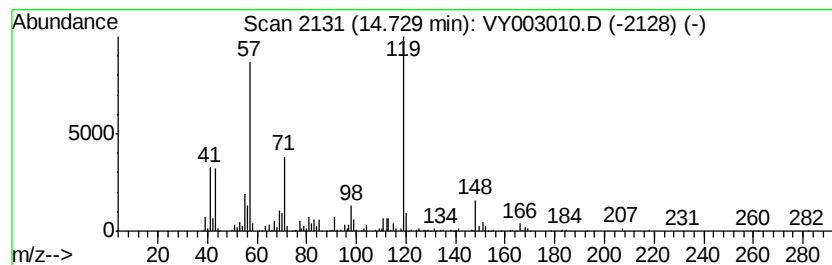
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.73 | 8.52 ug/l | 365900 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16   | 001595-16-0  | 53   |
| 2    |    | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16   | 002049-95-8  | 53   |
| 3    |    | Acetic acid, (2,4-xylvl)-           | 164 | C10H12O2 | 006331-04-0  | 50   |
| 4    |    | p-Toluic acid, tridec-2-ynyl ester  | 314 | C21H30O2 | 1000292-50-9 | 50   |
| 5    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14   | 000874-41-9  | 50   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY062920\  
Data File : VY003010.D  
Acq On : 29 Jun 2020 16:43  
Operator : SY/MD  
Sample : L3128-01  
Misc : 5.81G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RBR-61

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.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 |
| Cyclohexane, propyl- | 12.24 | 6.3     | ug/l  | 550394   | 3                     | 11.49 | 4360120 | 50.0 |
| unknown12.73         | 12.73 | 12.7    | ug/l  | 546650   | 4                     | 13.42 | 2148500 | 50.0 |
| Cyclohexane, 1-et... | 12.81 | 26.2    | ug/l  | 1126830  | 4                     | 13.42 | 2148500 | 50.0 |
| Cyclohexane, 1-et... | 12.86 | 6.1     | ug/l  | 261291   | 4                     | 13.42 | 2148500 | 50.0 |
| Benzene, 1-ethyl-... | 14.08 | 11.4    | ug/l  | 490345   | 4                     | 13.42 | 2148500 | 50.0 |
| unknown14.27         | 14.27 | 10.5    | ug/l  | 453046   | 4                     | 13.42 | 2148500 | 50.0 |
| p-Cymene             | 14.30 | 16.4    | ug/l  | 704677   | 4                     | 13.42 | 2148500 | 50.0 |
| unknown14.38         | 14.38 | 8.2     | ug/l  | 352095   | 4                     | 13.42 | 2148500 | 50.0 |
| 1,3-Cyclopentadie... | 14.67 | 20.3    | ug/l  | 872408   | 4                     | 13.42 | 2148500 | 50.0 |
| Benzene, 1-methyl... | 14.73 | 8.5     | ug/l  | 365900   | 4                     | 13.42 | 2148500 | 50.0 |