

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
 Data File : VD068681.D  
 Acq On : 26 Mar 2021 13:43  
 Operator : VA/SY  
 Sample : M1811-02  
 Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 031621-BIN-2

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\82D031921S.M  
 Title : SW846 8260

Signal : TIC: VD068681.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       | 509           | 519         | 530          | rVB4     | 8642           | 25964         | 1.27%           | 0.128%        |
| 2         | 7.920       | 1010          | 1020        | 1025         | rBV      | 272366         | 662964        | 32.43%          | 3.258%        |
| 3         | 7.985       | 1025          | 1031        | 1039         | rVV      | 417746         | 913473        | 44.68%          | 4.490%        |
| 4         | 8.191       | 1058          | 1066        | 1073         | rBV6     | 9451           | 23404         | 1.14%           | 0.115%        |
| 5         | 8.332       | 1080          | 1090        | 1103         | rBV      | 230235         | 509070        | 24.90%          | 2.502%        |
| 6         | 8.508       | 1112          | 1120        | 1131         | rVB2     | 31583          | 88672         | 4.34%           | 0.436%        |
| 7         | 8.867       | 1172          | 1181        | 1195         | rBV      | 658915         | 1323690       | 64.74%          | 6.506%        |
| 8         | 9.355       | 1253          | 1264        | 1270         | rBV5     | 56701          | 140887        | 6.89%           | 0.692%        |
| 9         | 9.408       | 1270          | 1273        | 1280         | rVB3     | 19450          | 32892         | 1.61%           | 0.162%        |
| 10        | 9.632       | 1303          | 1311        | 1318         | rVB7     | 11705          | 31235         | 1.53%           | 0.154%        |
| 11        | 9.779       | 1327          | 1336        | 1347         | rBV3     | 67148          | 139067        | 6.80%           | 0.683%        |
| 12        | 9.914       | 1347          | 1359        | 1365         | rBV3     | 82038          | 190067        | 9.30%           | 0.934%        |
| 13        | 10.014      | 1372          | 1376        | 1383         | rVB7     | 10917          | 24039         | 1.18%           | 0.118%        |
| 14        | 10.096      | 1383          | 1390        | 1391         | rBV4     | 19146          | 26370         | 1.29%           | 0.130%        |
| 15        | 10.144      | 1395          | 1398        | 1407         | rVB6     | 13195          | 28793         | 1.41%           | 0.142%        |
| 16        | 10.273      | 1414          | 1420        | 1424         | rVB3     | 28193          | 48631         | 2.38%           | 0.239%        |
| 17        | 10.344      | 1424          | 1432        | 1446         | rVB      | 1108911        | 2044576       | 100.00%         | 10.049%       |
| 18        | 10.520      | 1455          | 1462        | 1471         | rVB8     | 28807          | 90898         | 4.45%           | 0.447%        |
| 19        | 10.632      | 1473          | 1481        | 1485         | rBV5     | 15011          | 27755         | 1.36%           | 0.136%        |
| 20        | 10.685      | 1485          | 1490        | 1497         | rVB4     | 37063          | 60223         | 2.95%           | 0.296%        |
| 21        | 10.773      | 1497          | 1505        | 1512         | rBV8     | 41249          | 119463        | 5.84%           | 0.587%        |
| 22        | 10.861      | 1515          | 1520        | 1526         | rVB8     | 22998          | 42753         | 2.09%           | 0.210%        |
| 23        | 10.955      | 1526          | 1536        | 1541         | rBV4     | 33693          | 71833         | 3.51%           | 0.353%        |
| 24        | 11.049      | 1542          | 1552        | 1561         | rBV5     | 34911          | 106185        | 5.19%           | 0.522%        |
| 25        | 11.126      | 1561          | 1565        | 1566         | rBV4     | 18419          | 24805         | 1.21%           | 0.122%        |
| 26        | 11.191      | 1573          | 1576        | 1580         | rVV      | 36547          | 54705         | 2.68%           | 0.269%        |
| 27        | 11.243      | 1580          | 1585        | 1591         | rVB2     | 128290         | 219841        | 10.75%          | 1.080%        |
| 28        | 11.302      | 1591          | 1595        | 1598         | rBV4     | 23226          | 31817         | 1.56%           | 0.156%        |
| 29        | 11.355      | 1598          | 1604        | 1608         | rBV2     | 52288          | 79630         | 3.89%           | 0.391%        |
| 30        | 11.396      | 1608          | 1611        | 1616         | rVB5     | 19305          | 26444         | 1.29%           | 0.130%        |
| 31        | 11.455      | 1616          | 1621        | 1628         | rVB3     | 62114          | 122355        | 5.98%           | 0.601%        |
| 32        | 11.520      | 1628          | 1632        | 1636         | rBV3     | 26793          | 44108         | 2.16%           | 0.217%        |
| 33        | 11.643      | 1646          | 1653        | 1661         | rBV      | 983881         | 1752010       | 85.69%          | 8.611%        |
| 34        | 11.779      | 1672          | 1676        | 1680         | rBV      | 40670          | 56559         | 2.77%           | 0.278%        |
| 35        | 11.826      | 1680          | 1684        | 1689         | rVB4     | 54100          | 94622         | 4.63%           | 0.465%        |
| 36        | 11.890      | 1689          | 1695        | 1699         | rBV3     | 113705         | 229689        | 11.23%          | 1.129%        |

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 Sample : M1811-02  
 Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 031621-BIN-2

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\82D031921S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.990 | 1707 | 1712 | 1715 | rBV7 | 33241   | 59524   | 2.91%  | 0.293% |
| 38 | 12.049 | 1718 | 1722 | 1724 | rBV5 | 19273   | 28198   | 1.38%  | 0.139% |
| 39 | 12.085 | 1725 | 1728 | 1732 | rVB4 | 32286   | 50173   | 2.45%  | 0.247% |
| 40 | 12.155 | 1732 | 1740 | 1747 | rBV4 | 185948  | 431197  | 21.09% | 2.119% |
| 41 | 12.267 | 1751 | 1759 | 1763 | rVB4 | 96987   | 231647  | 11.33% | 1.138% |
| 42 | 12.355 | 1763 | 1774 | 1775 | rBV5 | 221196  | 444368  | 21.73% | 2.184% |
| 43 | 12.632 | 1814 | 1821 | 1829 | rVB  | 1113283 | 1912096 | 93.52% | 9.398% |
| 44 | 12.714 | 1829 | 1835 | 1841 | rBV6 | 82524   | 188062  | 9.20%  | 0.924% |
| 45 | 12.796 | 1844 | 1849 | 1855 | rVB3 | 236291  | 458317  | 22.42% | 2.253% |
| 46 | 12.873 | 1856 | 1862 | 1867 | rBV7 | 92855   | 233586  | 11.42% | 1.148% |
| 47 | 12.955 | 1868 | 1876 | 1882 | rBV6 | 176624  | 516764  | 25.27% | 2.540% |
| 48 | 13.096 | 1895 | 1900 | 1904 | rBV4 | 99356   | 147995  | 7.24%  | 0.727% |
| 49 | 13.143 | 1904 | 1908 | 1911 | rBV3 | 45956   | 85820   | 4.20%  | 0.422% |
| 50 | 13.190 | 1912 | 1916 | 1927 | rVB8 | 109541  | 313253  | 15.32% | 1.540% |
| 51 | 13.279 | 1927 | 1931 | 1933 | rBV3 | 57741   | 84226   | 4.12%  | 0.414% |
| 52 | 13.320 | 1934 | 1938 | 1941 | rBV5 | 43626   | 74065   | 3.62%  | 0.364% |
| 53 | 13.396 | 1948 | 1951 | 1953 | rBV3 | 31512   | 37502   | 1.83%  | 0.184% |
| 54 | 13.461 | 1954 | 1962 | 1966 | rVV7 | 127207  | 326051  | 15.95% | 1.602% |
| 55 | 13.496 | 1966 | 1968 | 1972 | rVV5 | 53371   | 63158   | 3.09%  | 0.310% |
| 56 | 13.573 | 1975 | 1981 | 1990 | rVB  | 1021176 | 1658938 | 81.14% | 8.153% |
| 57 | 13.720 | 2001 | 2006 | 2019 | rVB8 | 83808   | 294951  | 14.43% | 1.450% |
| 58 | 13.896 | 2030 | 2036 | 2041 | rBV3 | 296515  | 534798  | 26.16% | 2.628% |
| 59 | 13.937 | 2041 | 2043 | 2048 | rVB3 | 49146   | 61632   | 3.01%  | 0.303% |
| 60 | 14.108 | 2068 | 2072 | 2079 | rVB2 | 113424  | 228537  | 11.18% | 1.123% |
| 61 | 14.220 | 2085 | 2091 | 2097 | rBV4 | 177638  | 333934  | 16.33% | 1.641% |
| 62 | 14.284 | 2097 | 2102 | 2108 | rVB8 | 76689   | 144891  | 7.09%  | 0.712% |
| 63 | 14.337 | 2108 | 2111 | 2112 | rBV3 | 29989   | 30549   | 1.49%  | 0.150% |
| 64 | 14.402 | 2118 | 2122 | 2125 | rBV3 | 105137  | 160290  | 7.84%  | 0.788% |
| 65 | 14.437 | 2125 | 2128 | 2137 | rVB2 | 138372  | 241731  | 11.82% | 1.188% |
| 66 | 14.520 | 2137 | 2142 | 2145 | rBV2 | 88776   | 160861  | 7.87%  | 0.791% |
| 67 | 14.561 | 2145 | 2149 | 2157 | rVB6 | 77164   | 178363  | 8.72%  | 0.877% |
| 68 | 14.720 | 2172 | 2176 | 2179 | rBV3 | 34357   | 56246   | 2.75%  | 0.276% |
| 69 | 14.755 | 2179 | 2182 | 2187 | rVB5 | 43461   | 61075   | 2.99%  | 0.300% |
| 70 | 14.820 | 2187 | 2193 | 2199 | rBV3 | 122316  | 264831  | 12.95% | 1.302% |
| 71 | 14.879 | 2199 | 2203 | 2209 | rBV4 | 41077   | 79776   | 3.90%  | 0.392% |
| 72 | 15.026 | 2225 | 2228 | 2233 | rVB6 | 31969   | 51390   | 2.51%  | 0.253% |
| 73 | 15.090 | 2234 | 2239 | 2243 | rBV3 | 94504   | 143546  | 7.02%  | 0.705% |
| 74 | 15.202 | 2253 | 2258 | 2264 | rVB3 | 106437  | 236934  | 11.59% | 1.164% |
| 75 | 15.349 | 2279 | 2283 | 2294 | rVB6 | 33301   | 83493   | 4.08%  | 0.410% |
| 76 | 15.449 | 2294 | 2300 | 2303 | rBV7 | 17366   | 32378   | 1.58%  | 0.159% |

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Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

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\82D031921S.M  
Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 77 | 15.502 | 2305 | 2309 | 2313 | rBV3 | 14605 | 25284 | 1.24% | 0.124% |
| 78 | 15.849 | 2363 | 2368 | 2382 | rVB9 | 14738 | 53585 | 2.62% | 0.263% |
| 79 | 16.067 | 2398 | 2405 | 2411 | rVB8 | 12788 | 33240 | 1.63% | 0.163% |

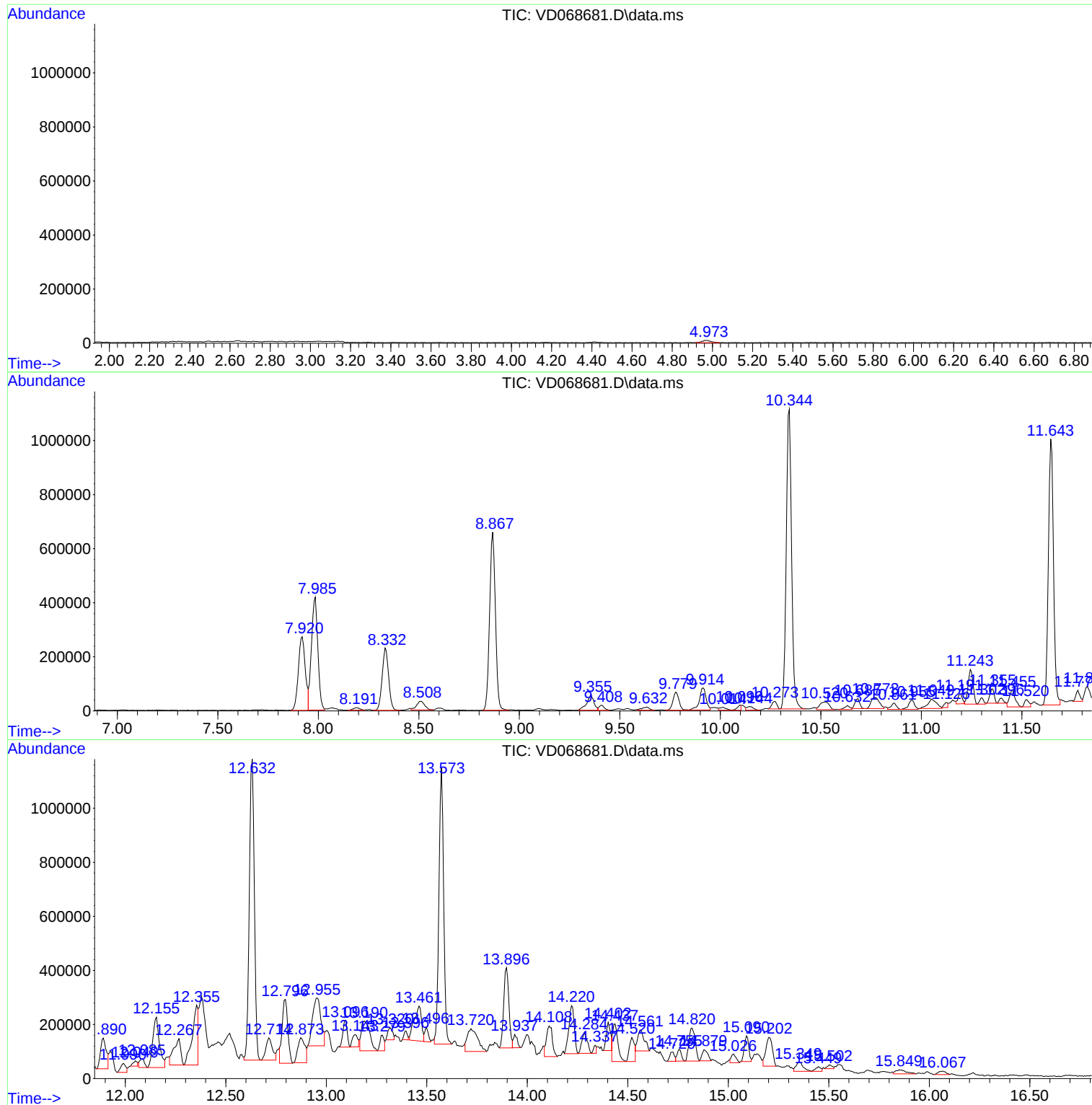
Sum of corrected areas: 20346744

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
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Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
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Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260

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

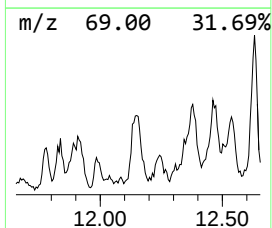
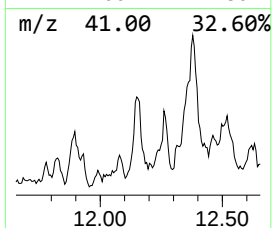
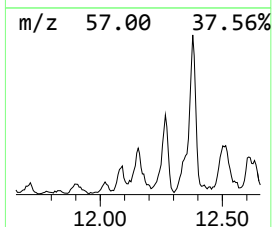
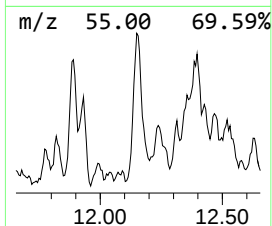
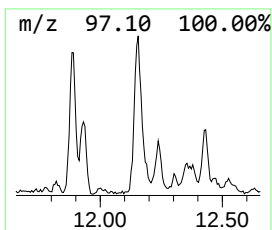
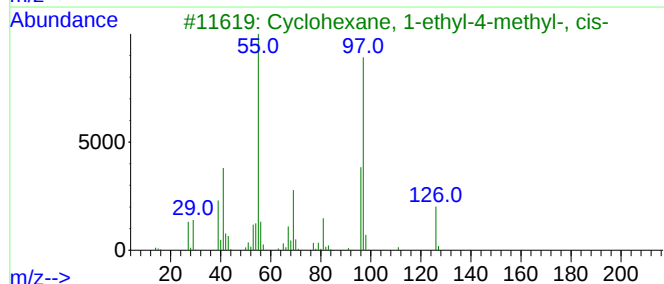
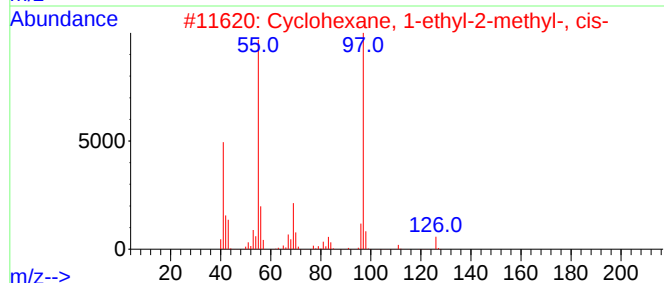
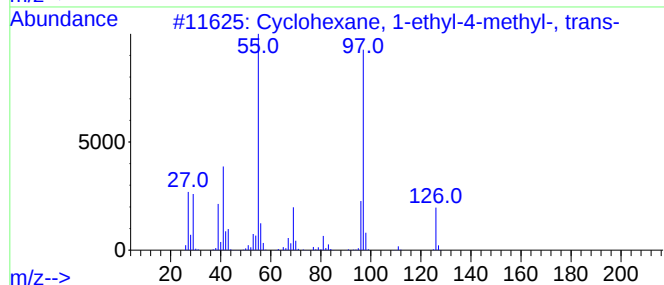
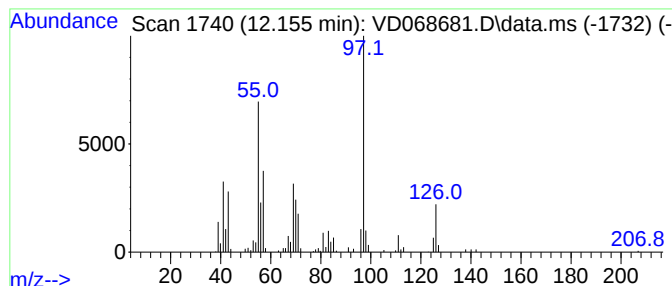
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Peak Number 1 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.155 | 12.31 ug/l | 431197 | Chlorobenzene-d5 | 11.643 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 58   |
| 2    |    |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-77-7 | 53   |
| 3    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 53   |
| 4    |    |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16   | 000590-66-9 | 53   |
| 5    |    |   | Cyclohexane, 1,4-dimethyl-, trans-  | 112 | C8H16   | 002207-04-7 | 53   |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260

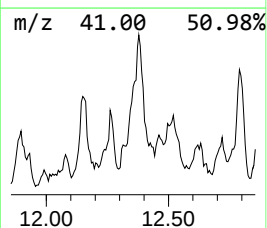
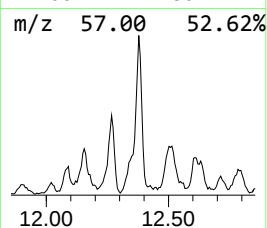
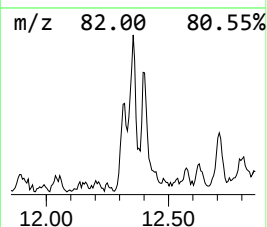
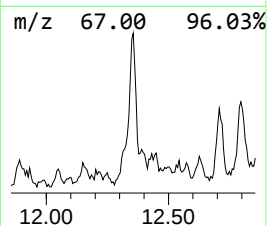
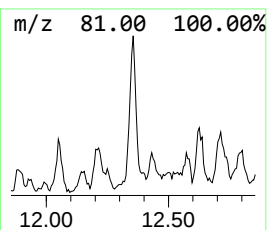
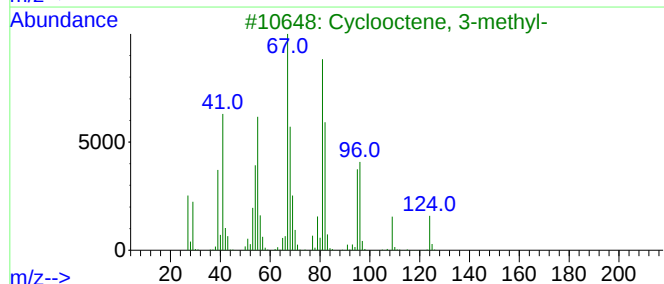
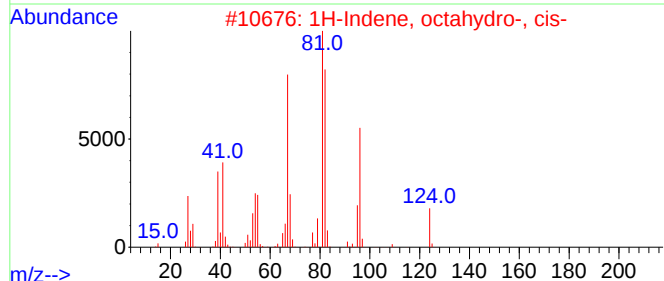
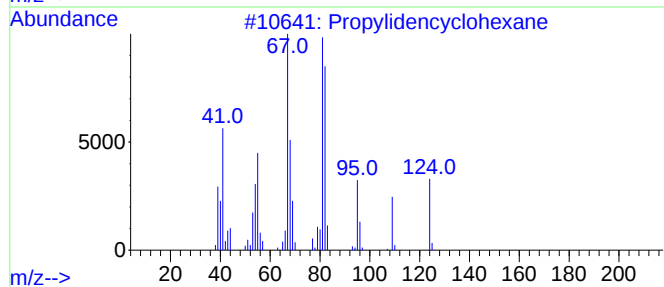
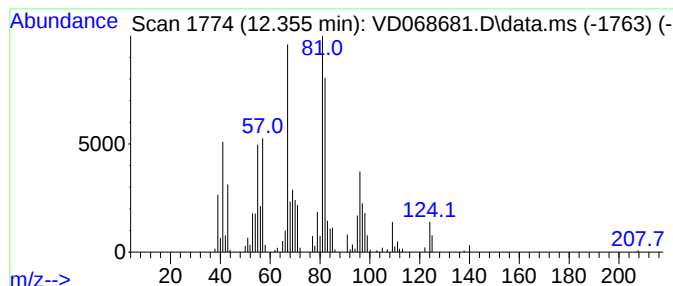
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Propylidencyclohexane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.355 | 12.68 ug/l | 444368 | Chlorobenzene-d5 | 11.643 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Propylidencyclohexane              | 124 | C9H16   | 002129-93-3  | 72   |
| 2    |    |   | 1H-Indene, octahydro-, cis-        | 124 | C9H16   | 004551-51-3  | 70   |
| 3    |    |   | Cyclooctene, 3-methyl-             | 124 | C9H16   | 013152-05-1  | 64   |
| 4    |    |   | 7-Methyl-8-oxabicyclo[4.3.0]nonane | 140 | C9H16O  | 1000216-87-6 | 60   |
| 5    |    |   | 7-Methyl-1,6-octadiene             | 124 | C9H16   | 042152-47-6  | 50   |



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Instrument :  
MSVOA\_D  
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031621-BIN-2

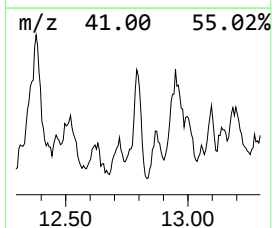
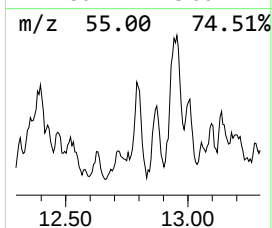
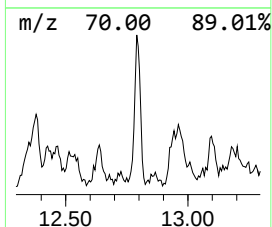
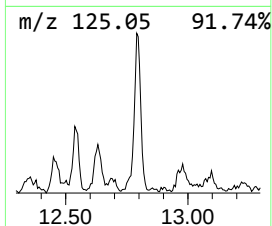
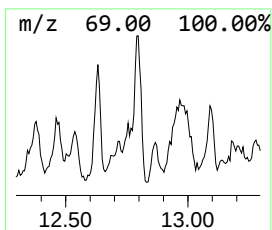
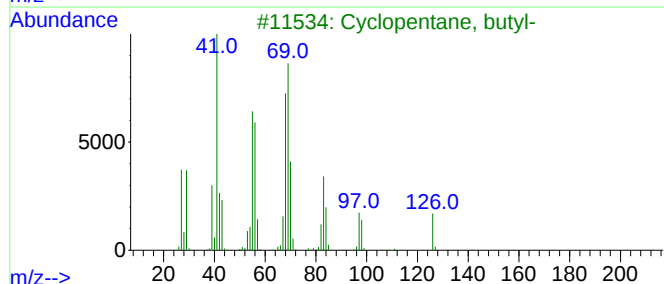
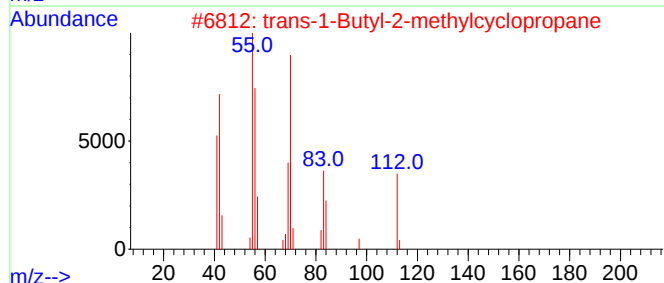
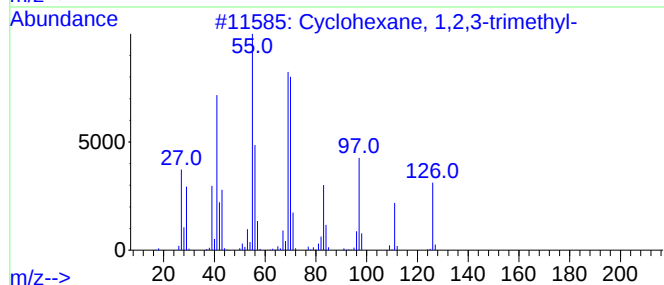
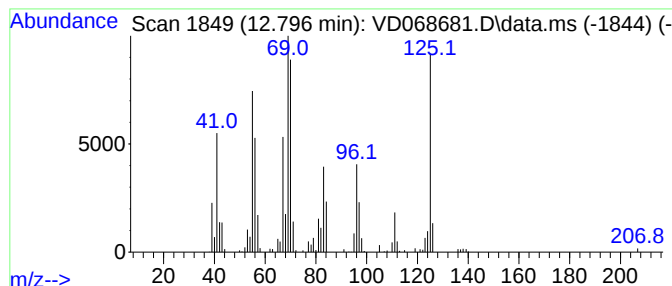
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.796 | 13.81 ug/l | 458317 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2,3-trimethyl-      | 126 | C9H18   | 001678-97-3 | 53   |
| 2    |    |   | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16   | 038851-70-6 | 46   |
| 3    |    |   | Cyclopentane, butyl-               | 126 | C9H18   | 002040-95-1 | 45   |
| 4    |    |   | Ketone, vinyl-pyrrolidinyl-        | 125 | C7H11NO | 042104-70-1 | 43   |
| 5    |    |   | cis-1-Butyl-2-methylcyclopropane   | 112 | C8H16   | 038851-69-3 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

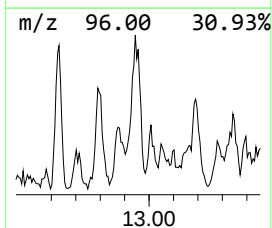
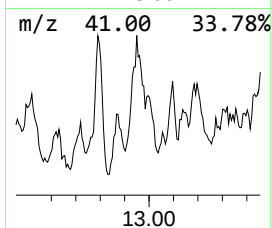
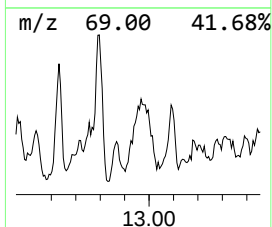
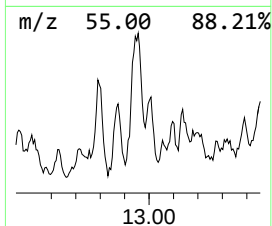
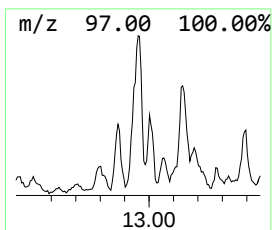
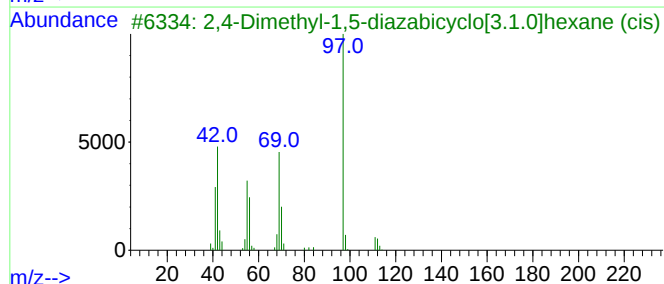
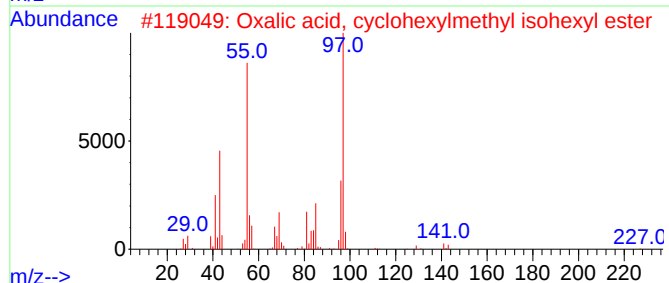
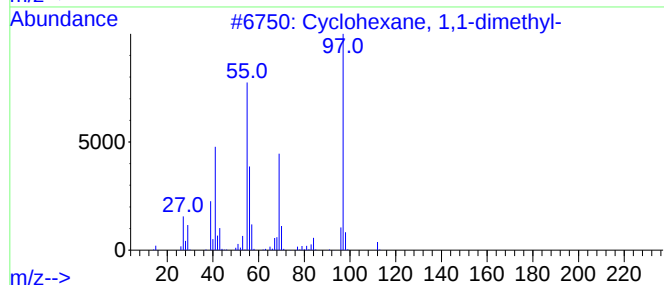
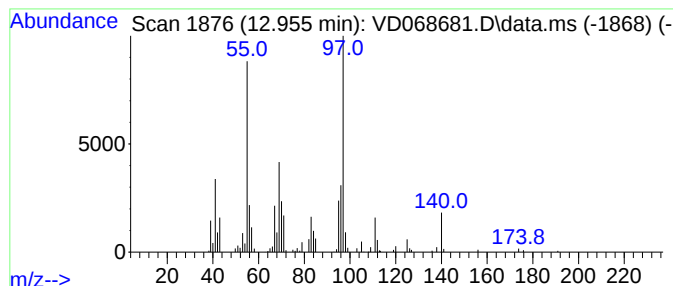
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Cyclohexane, 1,1-dimethyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.955 | 15.58 ug/l | 516764 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16    | 000590-66-9  | 55   |
| 2    |    |   | Oxalic acid, cyclohexylmethyl is... | 270 | C15H26O4 | 1000309-68-3 | 50   |
| 3    |    |   | 2,4-Dimethyl-1,5-diazabicyclo[3...  | 112 | C6H12N2  | 100463-01-2  | 49   |
| 4    |    |   | 2,4-Dimethyl-1,5-diazabicyclo[3...  | 112 | C6H12N2  | 1000283-20-9 | 46   |
| 5    |    |   | m-Menthane, (1S,3R)-(+)-            | 140 | C10H20   | 013837-66-6  | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

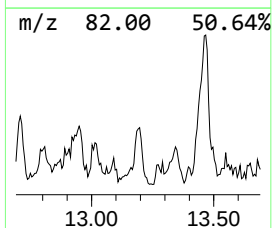
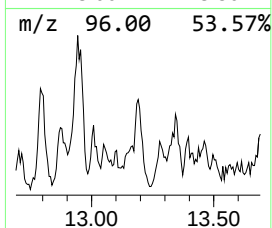
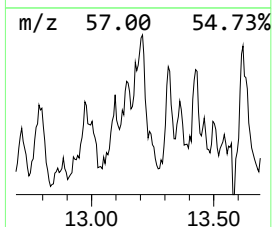
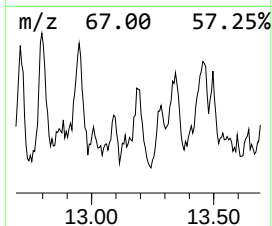
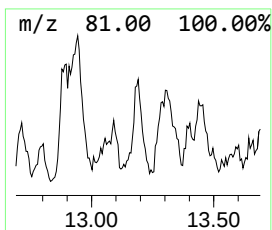
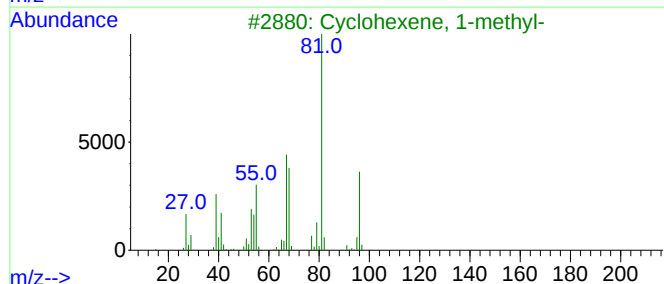
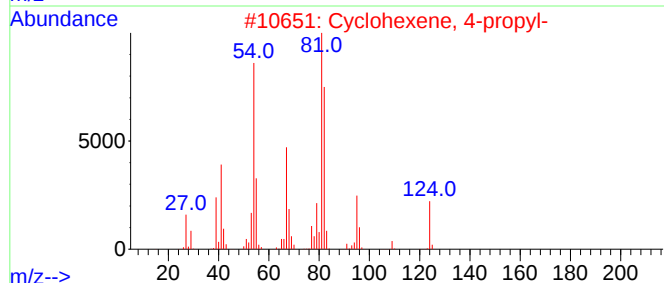
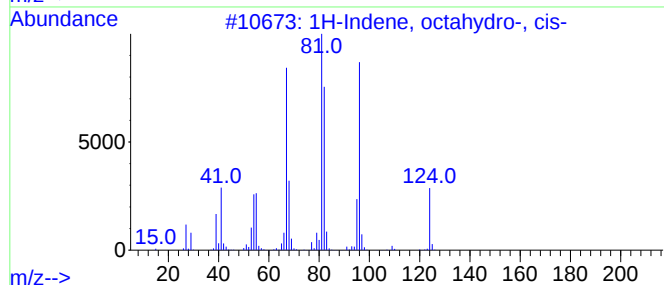
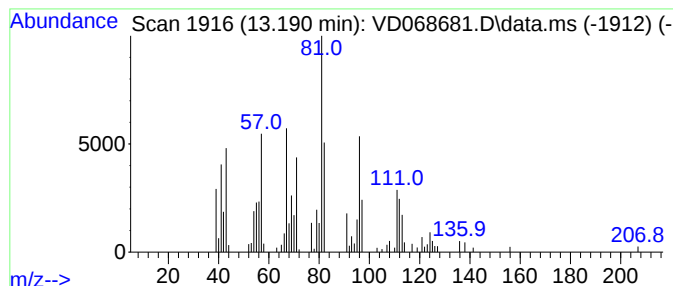
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 1H-Indene, octahydro-, cis- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.190 | 9.44 ug/l | 313253 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, octahydro-, cis- | 124 | C9H16   | 004551-51-3 | 52   |
| 2    |    |   | Cyclohexene, 4-propyl-      | 124 | C9H16   | 013487-64-4 | 43   |
| 3    |    |   | Cyclohexene, 1-methyl-      | 96  | C7H12   | 000591-49-1 | 43   |
| 4    |    |   | Cyclohexene, 1-butyl-       | 138 | C10H18  | 003282-53-9 | 43   |
| 5    |    |   | Cyclohexene, 3-heptyl-      | 180 | C13H24  | 015232-93-6 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

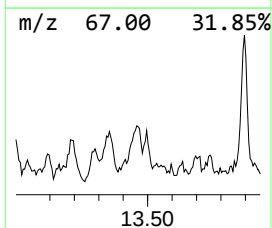
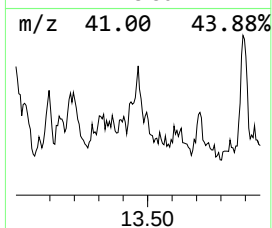
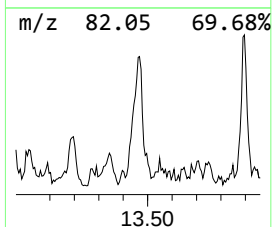
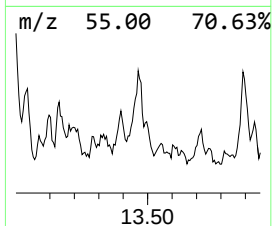
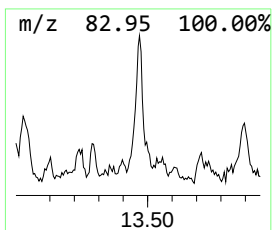
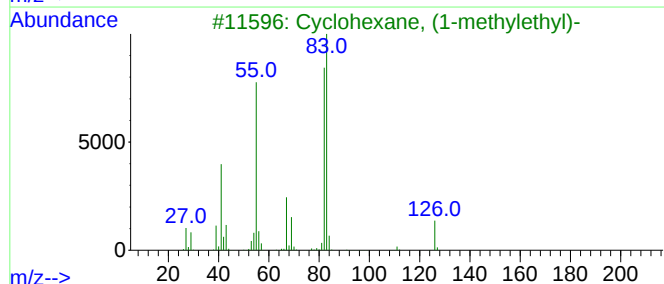
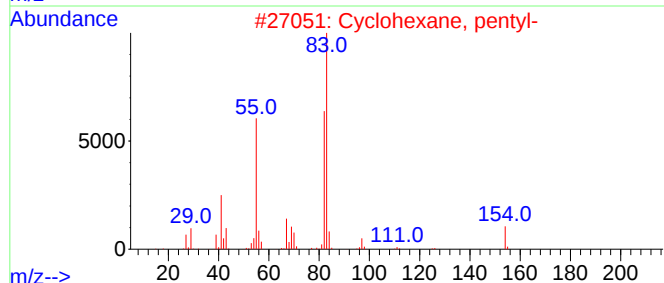
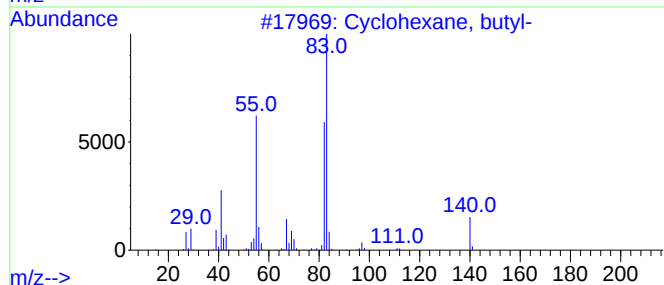
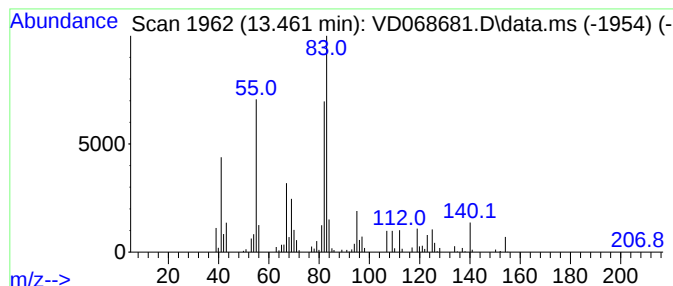
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Cyclohexane, butyl- Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.461 | 9.83 ug/l | 326051 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, butyl-           | 140 | C10H20  | 001678-93-9 | 70   |
| 2    |    |   | Cyclohexane, pentyl-          | 154 | C11H22  | 004292-92-6 | 64   |
| 3    |    |   | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 53   |
| 4    |    |   | Cyclohexane, undecyl-         | 238 | C17H34  | 054105-66-7 | 52   |
| 5    |    |   | Cyclohexane, propyl-          | 126 | C9H18   | 001678-92-8 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

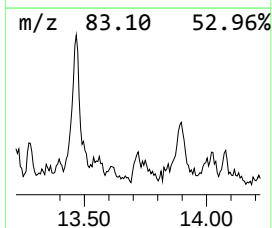
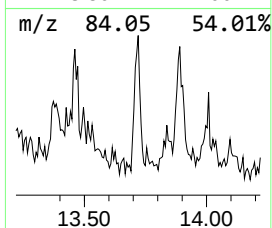
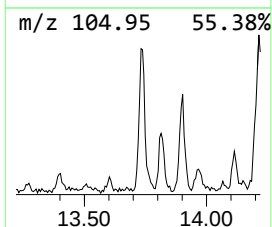
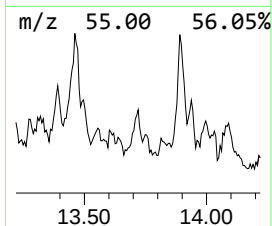
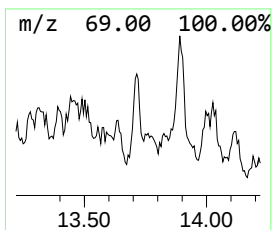
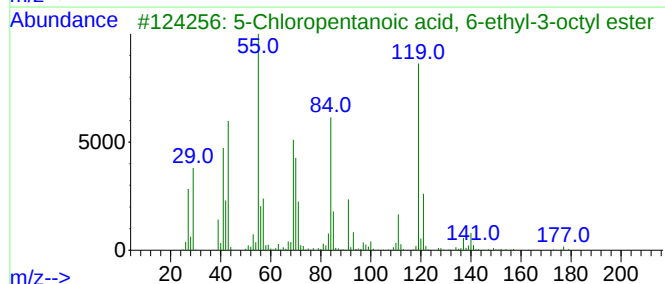
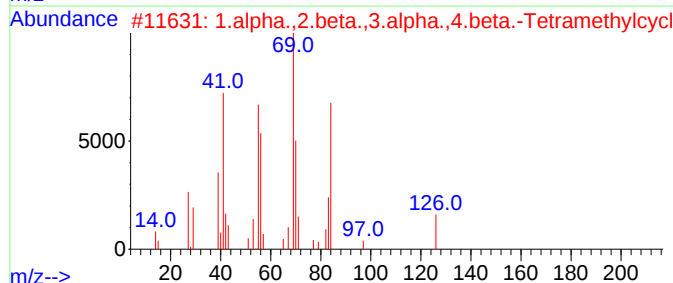
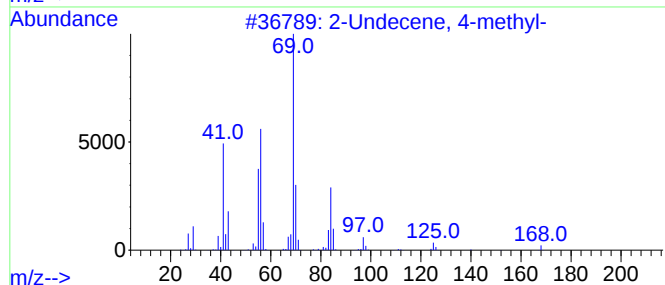
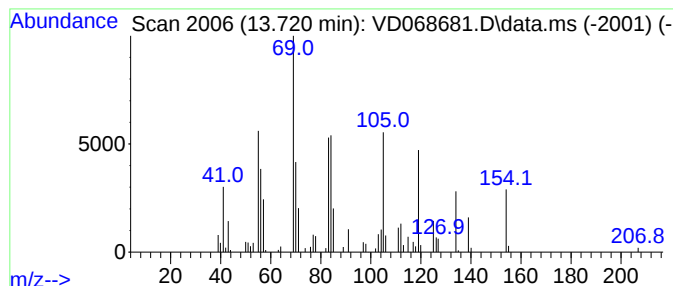
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 2-Undecene, 4-methyl- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.720 | 8.89 ug/l | 294951 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2-Undecene, 4-methyl-               | 168 | C12H24     | 091695-32-8  | 50   |
| 2    |    |   | 1.alpha.,2.beta.,3.alpha.,4.beta... | 126 | C9H18      | 002532-67-4  | 47   |
| 3    |    |   | 5-Chloropentanoic acid, 6-ethyl...  | 276 | C15H29ClO2 | 1000293-37-9 | 35   |
| 4    |    |   | 1-Hexene, 3,3,5-trimethyl-          | 126 | C9H18      | 013427-43-5  | 35   |
| 5    |    |   | Pentane, 3-methylene-               | 84  | C6H12      | 000760-21-4  | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260

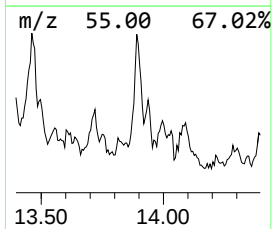
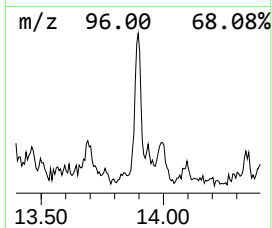
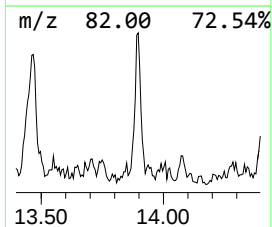
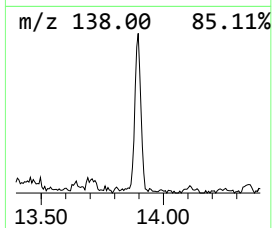
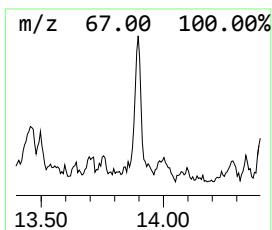
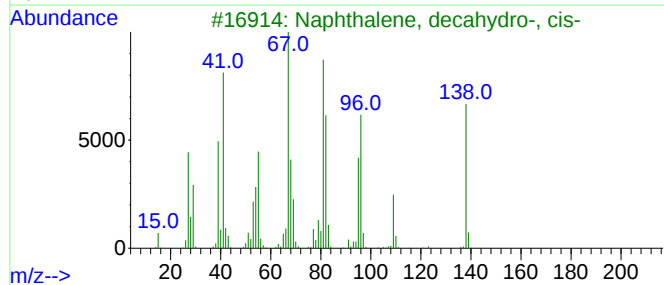
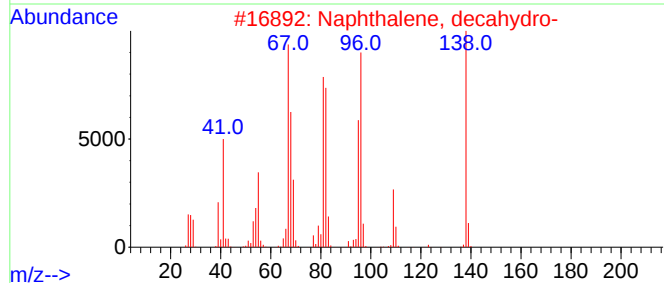
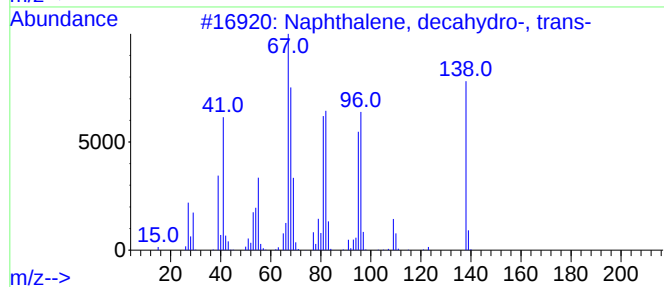
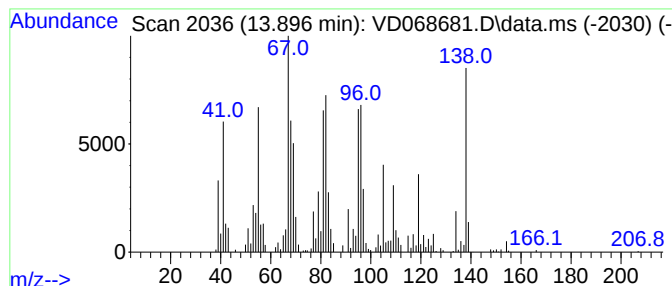
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.896 | 16.12 ug/l | 534798 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-, trans-     | 138 | C10H18   | 000493-02-7  | 95   |
| 2    |    |   | Naphthalene, decahydro-             | 138 | C10H18   | 000091-17-8  | 95   |
| 3    |    |   | Naphthalene, decahydro-, cis-       | 138 | C10H18   | 000493-01-6  | 90   |
| 4    |    |   | (Z)-Dec-4-en-1-yl propyl carbonate  | 242 | C14H26O3 | 1000372-82-7 | 72   |
| 5    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 138 | C10H18   | 001124-25-0  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260

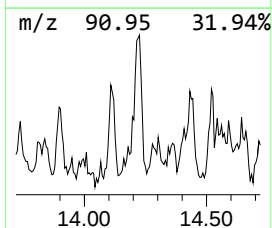
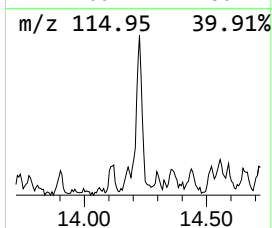
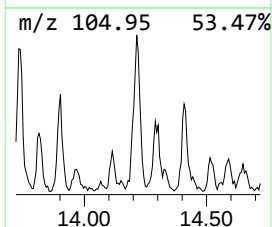
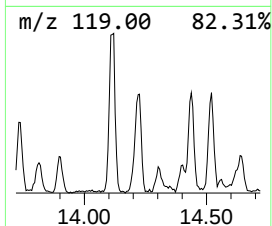
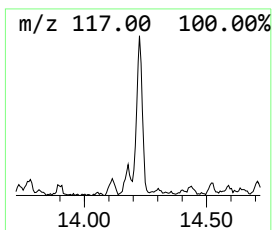
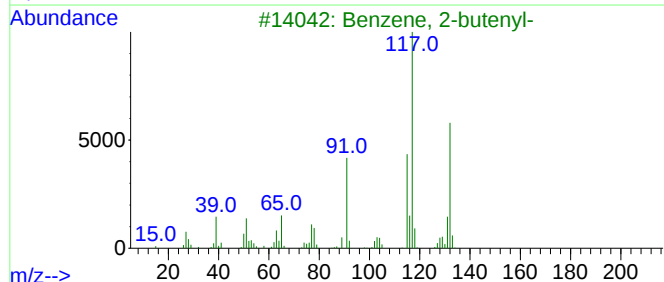
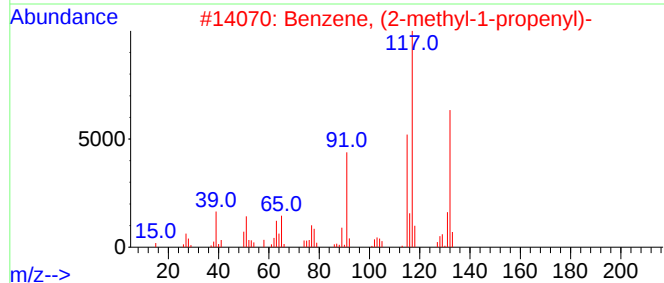
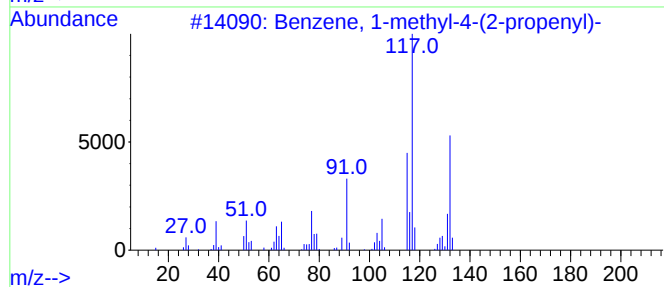
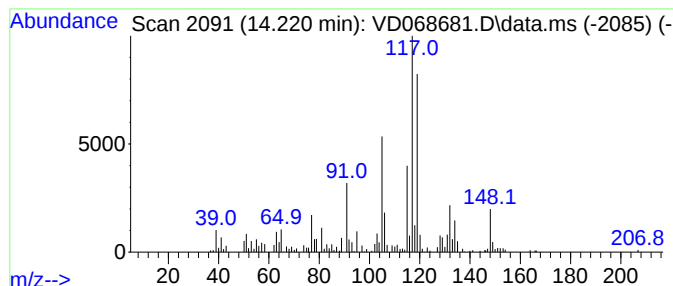
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-methyl-4-(2-prop... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.220 | 10.06 ug/l | 333934 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9  | 50   |
| 2    |    |   | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0  | 50   |
| 3    |    |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1  | 50   |
| 4    |    |   | Benzene, (2-methylcyclopropyl)-   | 132 | C10H12  | 1000327-39-0 | 50   |
| 5    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1  | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

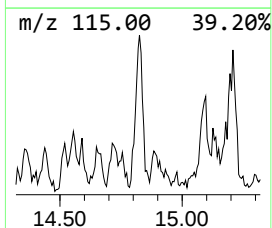
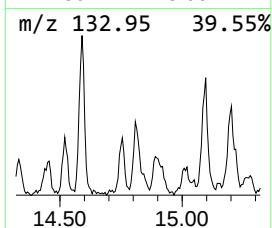
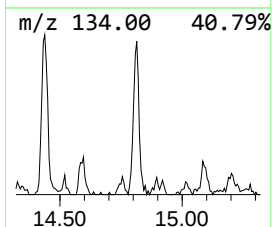
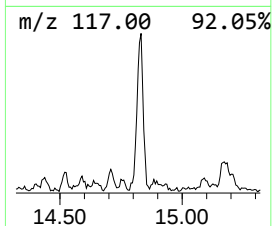
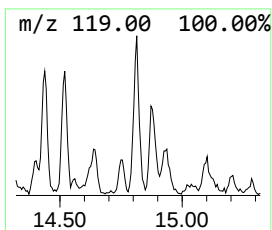
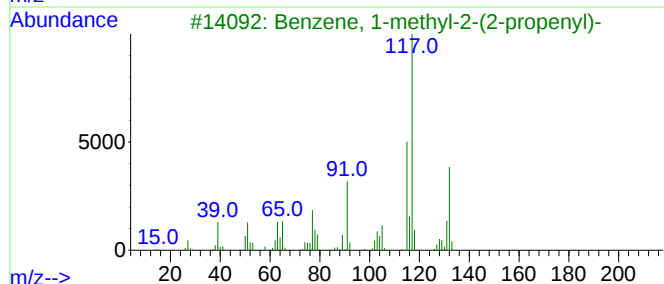
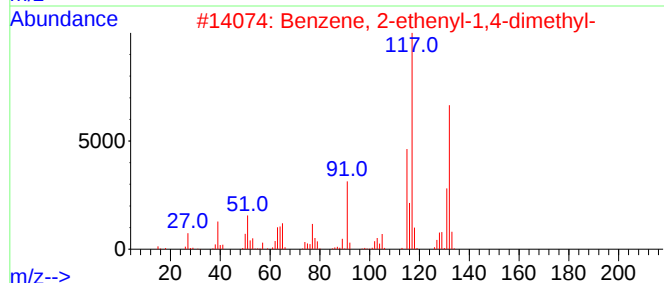
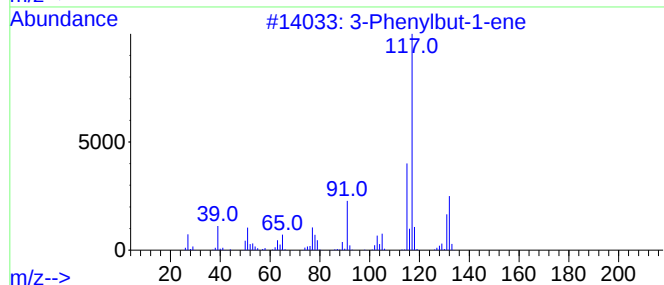
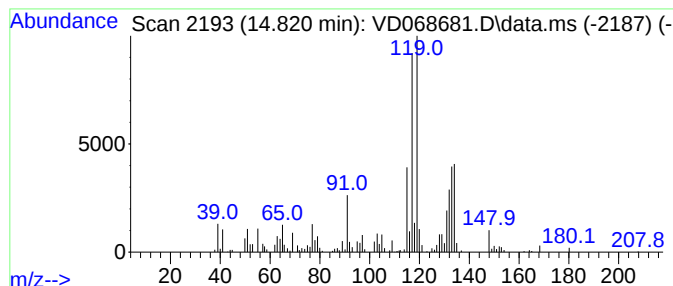
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260

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

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Peak Number 10 3-Phenylbut-1-ene Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.820 | 7.98 ug/l | 264831 | 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 | 86   |
| 2    |      | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 64   |
| 3    |      | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 46   |
| 4    |      | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 42   |
| 5    |      | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 41   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
Data File : VD068681.D  
Acq On : 26 Mar 2021 13:43  
Operator : VA/SY  
Sample : M1811-02  
Misc : 6.97G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
031621-BIN-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.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, 1-... | 12.155 | 12.3    | ug/l  | 431197   | 3                     | 11.643 | 1752010 | 50.0 |
| Propylidencyclo... | 12.355 | 12.7    | ug/l  | 444368   | 3                     | 11.643 | 1752010 | 50.0 |
| Cyclohexane, 1,... | 12.796 | 13.8    | ug/l  | 458317   | 4                     | 13.573 | 1658940 | 50.0 |
| Cyclohexane, 1,... | 12.955 | 15.6    | ug/l  | 516764   | 4                     | 13.573 | 1658940 | 50.0 |
| 1H-Indene, octa... | 13.190 | 9.4     | ug/l  | 313253   | 4                     | 13.573 | 1658940 | 50.0 |
| Cyclohexane, bu... | 13.461 | 9.8     | ug/l  | 326051   | 4                     | 13.573 | 1658940 | 50.0 |
| 2-Undecene, 4-m... | 13.720 | 8.9     | ug/l  | 294951   | 4                     | 13.573 | 1658940 | 50.0 |
| Naphthalene, de... | 13.896 | 16.1    | ug/l  | 534798   | 4                     | 13.573 | 1658940 | 50.0 |
| Benzene, 1-meth... | 14.220 | 10.1    | ug/l  | 333934   | 4                     | 13.573 | 1658940 | 50.0 |
| 3-Phenylbut-1-ene  | 14.820 | 8.0     | ug/l  | 264831   | 4                     | 13.573 | 1658940 | 50.0 |