

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042021\  
 Data File : VY004524.D  
 Acq On : 20 Apr 2021 13:25  
 Operator : SY/MD  
 Sample : M2090-05  
 Misc : 5.98G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SEDGWICK-VOC-3

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\82Y041221S.M  
 Title : SW846 8260

Signal : TIC: VY004524.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         | 2.192       | 45            | 61          | 62           | rBV3     | 7034           | 24218         | 2.01%           | 0.372%        |
| 2         | 2.577       | 113           | 124         | 125          | rBV6     | 17961          | 49508         | 4.11%           | 0.760%        |
| 3         | 3.960       | 338           | 351         | 367          | rBV      | 19875          | 54965         | 4.56%           | 0.844%        |
| 4         | 4.729       | 467           | 477         | 496          | rVB3     | 13407          | 48665         | 4.04%           | 0.747%        |
| 5         | 7.728       | 959           | 969         | 974          | rBV2     | 73649          | 173073        | 14.37%          | 2.658%        |
| 6         | 7.801       | 974           | 981         | 990          | rVB      | 158843         | 365462        | 30.35%          | 5.613%        |
| 7         | 8.155       | 1027          | 1039        | 1050         | rVB      | 106892         | 243785        | 20.24%          | 3.745%        |
| 8         | 8.332       | 1063          | 1068        | 1078         | rVB2     | 4603           | 12055         | 1.00%           | 0.185%        |
| 9         | 8.557       | 1096          | 1105        | 1113         | rVB3     | 6239           | 14656         | 1.22%           | 0.225%        |
| 10        | 8.697       | 1118          | 1128        | 1141         | rVB      | 267080         | 516258        | 42.87%          | 7.930%        |
| 11        | 9.185       | 1196          | 1208        | 1215         | rBV2     | 18378          | 40928         | 3.40%           | 0.629%        |
| 12        | 9.618       | 1273          | 1279        | 1286         | rVB3     | 7201           | 14115         | 1.17%           | 0.217%        |
| 13        | 9.752       | 1289          | 1301        | 1307         | rBV3     | 9228           | 22899         | 1.90%           | 0.352%        |
| 14        | 9.825       | 1307          | 1313        | 1317         | rBV2     | 7698           | 14635         | 1.22%           | 0.225%        |
| 15        | 9.959       | 1325          | 1335        | 1345         | rBV3     | 9260           | 23341         | 1.94%           | 0.359%        |
| 16        | 10.185      | 1364          | 1372        | 1379         | rBV      | 443349         | 773680        | 64.24%          | 11.884%       |
| 17        | 10.246      | 1379          | 1382        | 1388         | rVB      | 20851          | 33159         | 2.75%           | 0.509%        |
| 18        | 10.374      | 1395          | 1403        | 1410         | rVB2     | 21572          | 43642         | 3.62%           | 0.670%        |
| 19        | 10.520      | 1422          | 1427        | 1433         | rVB3     | 10480          | 18239         | 1.51%           | 0.280%        |
| 20        | 10.624      | 1433          | 1444        | 1450         | rVV6     | 11142          | 27912         | 2.32%           | 0.429%        |
| 21        | 11.038      | 1509          | 1512        | 1516         | rVB      | 17078          | 23282         | 1.93%           | 0.358%        |
| 22        | 11.093      | 1516          | 1521        | 1527         | rVB2     | 12246          | 19603         | 1.63%           | 0.301%        |
| 23        | 11.288      | 1544          | 1553        | 1563         | rVB4     | 15984          | 43957         | 3.65%           | 0.675%        |
| 24        | 11.380      | 1563          | 1568        | 1574         | rBV      | 10580          | 17245         | 1.43%           | 0.265%        |
| 25        | 11.496      | 1579          | 1587        | 1592         | rBV      | 382528         | 622369        | 51.68%          | 9.560%        |
| 26        | 11.544      | 1592          | 1595        | 1600         | rVV      | 36456          | 51948         | 4.31%           | 0.798%        |
| 27        | 11.715      | 1612          | 1623        | 1631         | rVV5     | 29780          | 90150         | 7.49%           | 1.385%        |
| 28        | 12.032      | 1663          | 1675        | 1682         | rBV      | 48876          | 102758        | 8.53%           | 1.578%        |
| 29        | 12.239      | 1706          | 1709        | 1714         | rVB6     | 7365           | 13637         | 1.13%           | 0.209%        |
| 30        | 12.337      | 1719          | 1725        | 1734         | rBV      | 153226         | 242172        | 20.11%          | 3.720%        |
| 31        | 12.489      | 1743          | 1750        | 1758         | rVB2     | 701529         | 1204290       | 100.00%         | 18.498%       |
| 32        | 12.587      | 1762          | 1766        | 1771         | rVB2     | 9338           | 14740         | 1.22%           | 0.226%        |
| 33        | 12.648      | 1771          | 1776        | 1784         | rVB7     | 7174           | 15794         | 1.31%           | 0.243%        |
| 34        | 12.733      | 1784          | 1790        | 1793         | rBV      | 20587          | 33521         | 2.78%           | 0.515%        |
| 35        | 12.812      | 1798          | 1803        | 1810         | rVB2     | 66189          | 103881        | 8.63%           | 1.596%        |
| 36        | 12.892      | 1810          | 1816        | 1823         | rVB2     | 15131          | 28435         | 2.36%           | 0.437%        |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SEDGWICK-VOC-3

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\82Y041221S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 12.971 | 1823 | 1829 | 1836 | rBV  | 28354  | 49459  | 4.11%  | 0.760% |
| 38 | 13.123 | 1848 | 1854 | 1860 | rBV  | 16817  | 29989  | 2.49%  | 0.461% |
| 39 | 13.318 | 1878 | 1886 | 1887 | rBV4 | 12395  | 21779  | 1.81%  | 0.335% |
| 40 | 13.367 | 1892 | 1894 | 1898 | rVV  | 13284  | 19434  | 1.61%  | 0.299% |
| 41 | 13.428 | 1898 | 1904 | 1920 | rVB2 | 304496 | 566974 | 47.08% | 8.709% |
| 42 | 13.593 | 1926 | 1931 | 1933 | rBV4 | 7711   | 12454  | 1.03%  | 0.191% |
| 43 | 13.623 | 1933 | 1936 | 1940 | rVV2 | 30129  | 49750  | 4.13%  | 0.764% |
| 44 | 13.666 | 1940 | 1943 | 1952 | rVB2 | 29224  | 47281  | 3.93%  | 0.726% |
| 45 | 13.751 | 1952 | 1957 | 1962 | rBV3 | 18213  | 30565  | 2.54%  | 0.469% |
| 46 | 13.824 | 1966 | 1969 | 1975 | rVB  | 9747   | 13453  | 1.12%  | 0.207% |
| 47 | 13.916 | 1981 | 1984 | 1987 | rVV2 | 10920  | 14577  | 1.21%  | 0.224% |
| 48 | 13.971 | 1987 | 1993 | 1998 | rVB3 | 47490  | 77214  | 6.41%  | 1.186% |
| 49 | 14.081 | 2007 | 2011 | 2016 | rVB  | 21471  | 31262  | 2.60%  | 0.480% |
| 50 | 14.215 | 2028 | 2033 | 2037 | rBV2 | 8817   | 12597  | 1.05%  | 0.193% |
| 51 | 14.300 | 2043 | 2047 | 2050 | rBV  | 9947   | 15501  | 1.29%  | 0.238% |
| 52 | 14.337 | 2050 | 2053 | 2057 | rVB  | 20446  | 28854  | 2.40%  | 0.443% |
| 53 | 14.422 | 2064 | 2067 | 2076 | rVB5 | 7879   | 13923  | 1.16%  | 0.214% |
| 54 | 14.568 | 2087 | 2091 | 2095 | rBV2 | 11123  | 18284  | 1.52%  | 0.281% |
| 55 | 14.611 | 2095 | 2098 | 2103 | rVB3 | 10602  | 15892  | 1.32%  | 0.244% |
| 56 | 14.684 | 2103 | 2110 | 2116 | rBV4 | 30337  | 69051  | 5.73%  | 1.061% |
| 57 | 14.836 | 2130 | 2135 | 2143 | rVB  | 12797  | 21057  | 1.75%  | 0.323% |
| 58 | 14.946 | 2148 | 2153 | 2157 | rBV5 | 8712   | 14848  | 1.23%  | 0.228% |
| 59 | 15.056 | 2166 | 2171 | 2180 | rVB4 | 10886  | 25537  | 2.12%  | 0.392% |
| 60 | 15.239 | 2192 | 2201 | 2206 | rVB  | 16987  | 32503  | 2.70%  | 0.499% |
| 61 | 15.349 | 2215 | 2219 | 2224 | rBV8 | 5402   | 12153  | 1.01%  | 0.187% |
| 62 | 15.525 | 2242 | 2248 | 2254 | rBV5 | 7005   | 15715  | 1.30%  | 0.241% |
| 63 | 15.727 | 2277 | 2281 | 2287 | rVB4 | 11023  | 20550  | 1.71%  | 0.316% |
| 64 | 16.031 | 2326 | 2331 | 2338 | rBV5 | 7517   | 15735  | 1.31%  | 0.242% |
| 65 | 16.294 | 2369 | 2374 | 2380 | rVB3 | 15166  | 27665  | 2.30%  | 0.425% |
| 66 | 16.495 | 2400 | 2407 | 2414 | rBV  | 20703  | 43442  | 3.61%  | 0.667% |

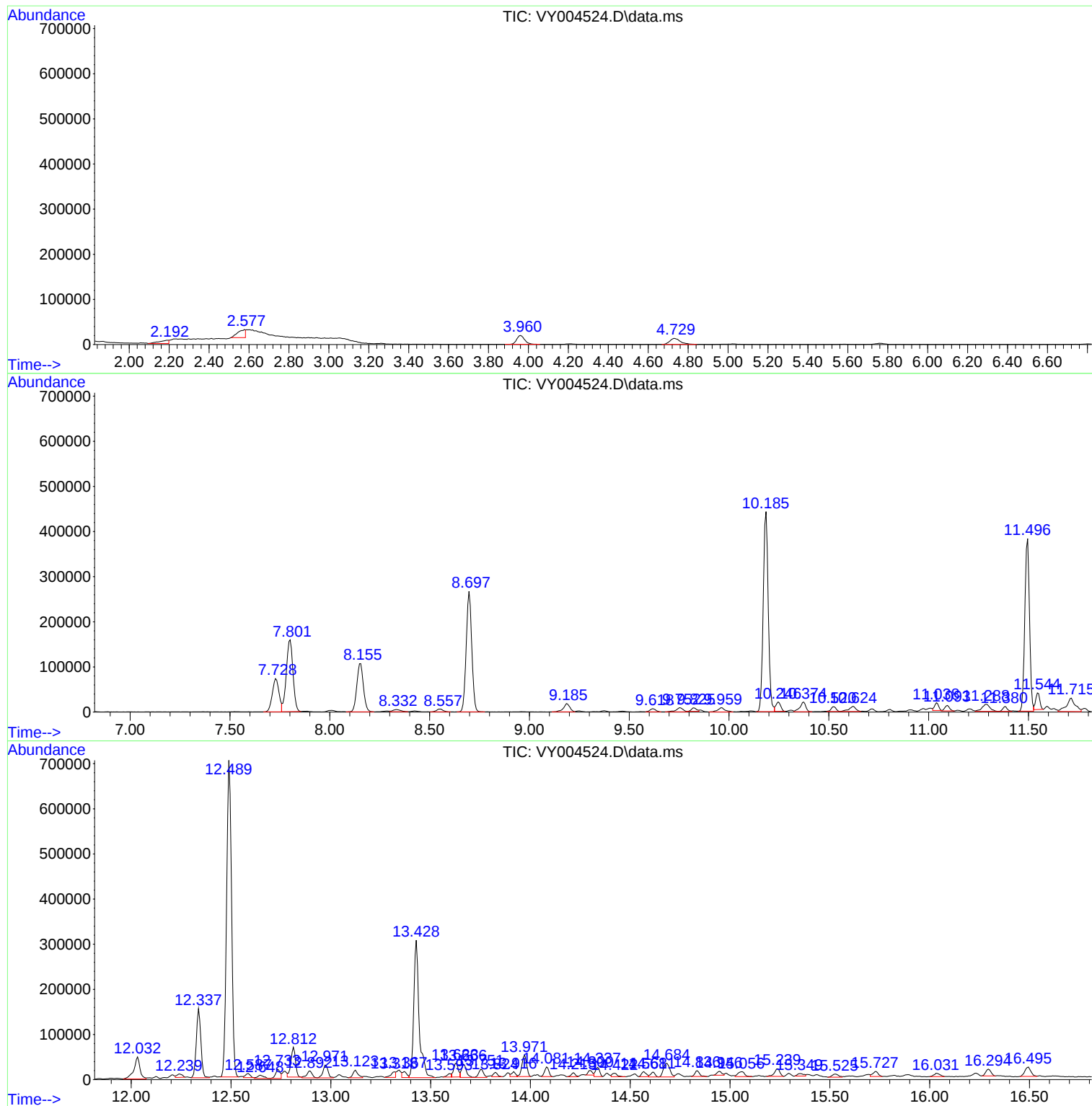
Sum of corrected areas: 6510475

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SEDGWICK-VOC-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

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



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SEDGWICK-VOC-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

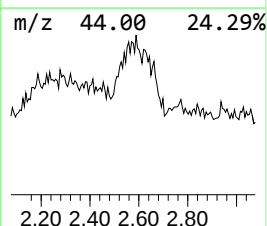
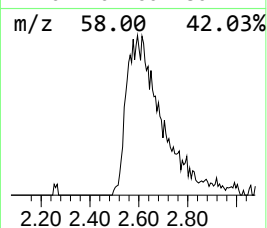
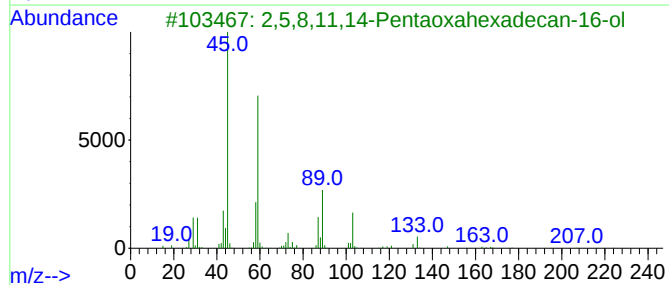
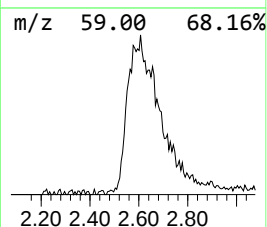
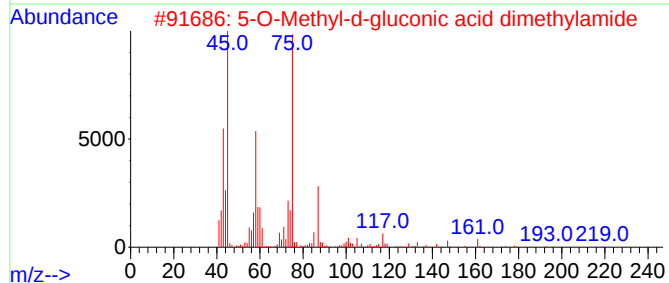
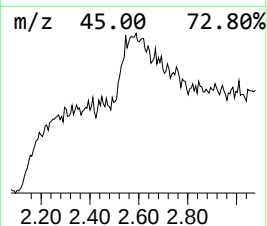
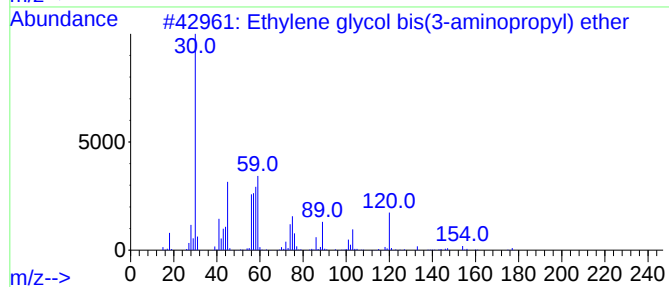
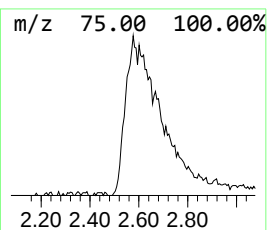
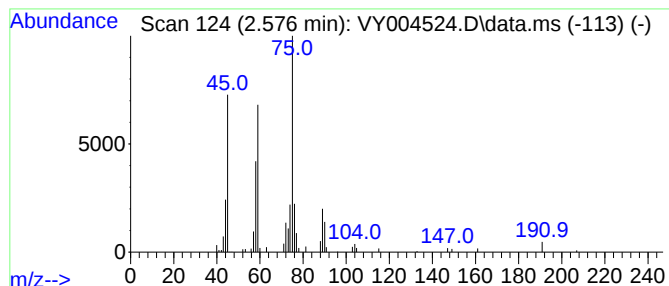
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown2.576 Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.576 | 6.77 ug/l | 49508 | Pentafluorobenzene | 7.801 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Ethylene glycol bis(3-aminopropy... | 176 | C8H20N2O2 | 002997-01-5  | 38   |
| 2    |    |   | 5-O-Methyl-d-gluconic acid dimet... | 237 | C9H19NO6  | 013096-67-8  | 28   |
| 3    |    |   | 2,5,8,11,14-Pentaoxahexadecan-16-ol | 252 | C11H24O6  | 023778-52-1  | 25   |
| 4    |    |   | 2-[2-[2-[2-[2-(2-Methoxyethox...    | 340 | C15H32O8  | 1000352-04-1 | 16   |
| 5    |    |   | Tetraethyleneglycol monomethylether | 208 | C9H20O5   | 023783-42-8  | 16   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SEDGWICK-VOC-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

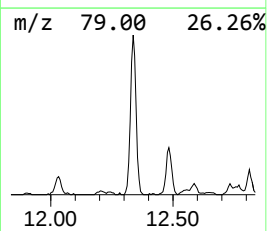
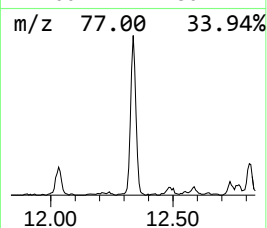
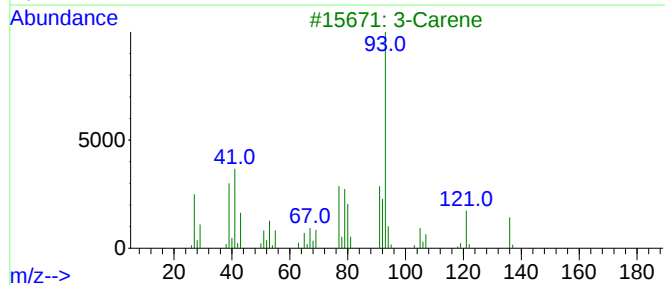
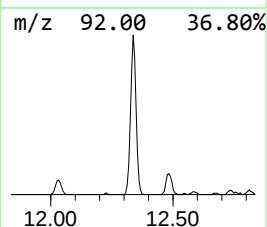
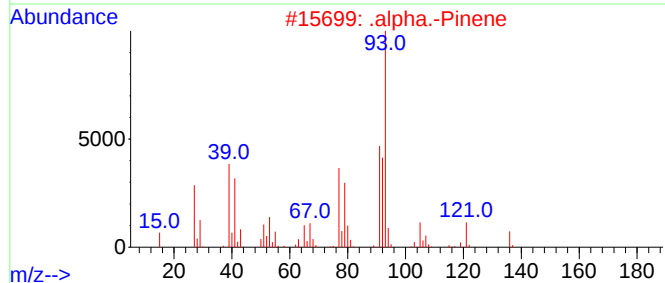
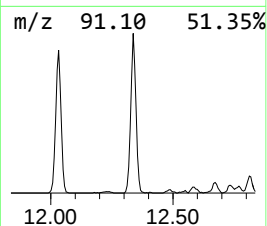
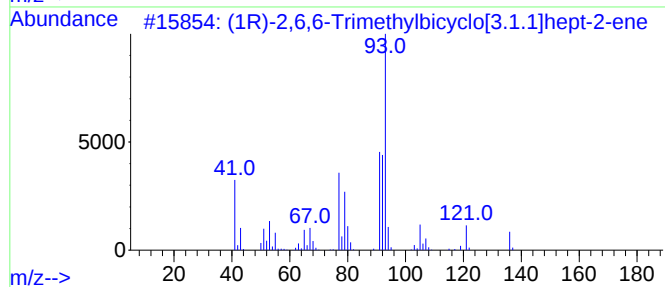
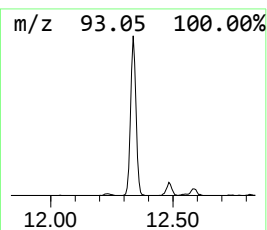
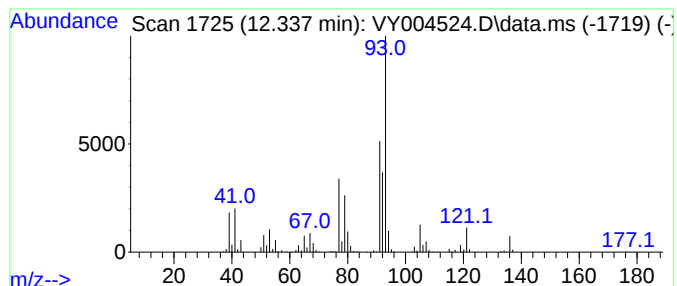
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.337 | 19.46 ug/l | 242172 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136 | C10H16  | 007785-70-8 | 97   |
| 2    |    |   | .alpha.-Pinene                               | 136 | C10H16  | 000080-56-8 | 95   |
| 3    |    |   | 3-Carene                                     | 136 | C10H16  | 013466-78-9 | 91   |
| 4    |    |   | (1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136 | C10H16  | 007785-26-4 | 91   |
| 5    |    |   | (+)-3-Carene                                 | 136 | C10H16  | 000498-15-7 | 91   |



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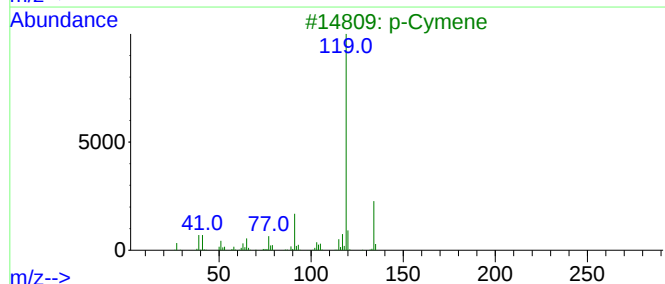
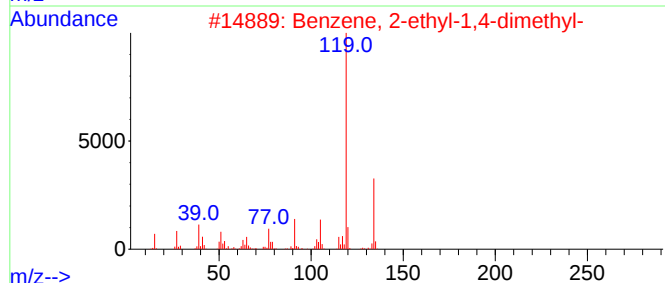
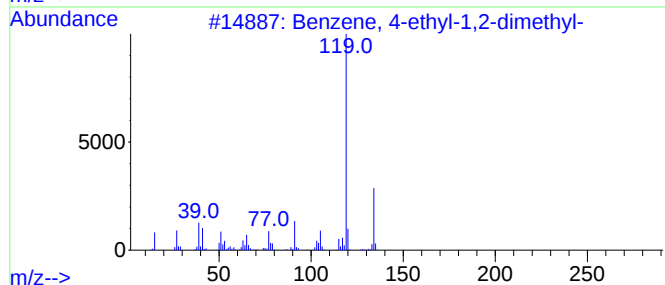
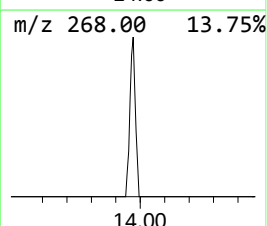
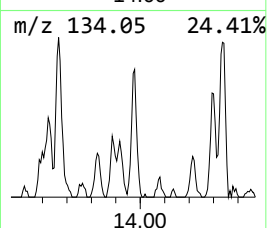
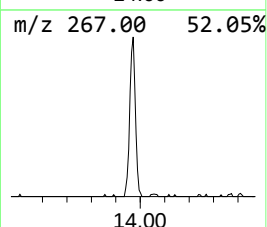
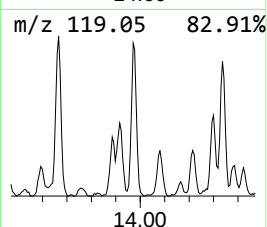
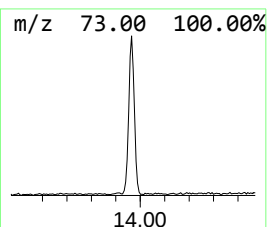
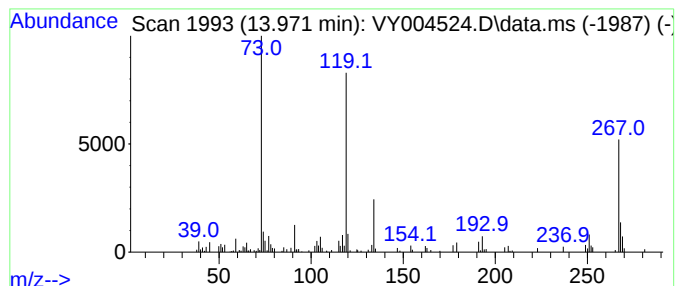
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.971 | 6.81 ug/l | 77214 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 86   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 64   |
| 3    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 50   |
| 4    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 50   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 50   |



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Sample : M2090-05  
Misc : 5.98G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SEDGWICK-VOC-3

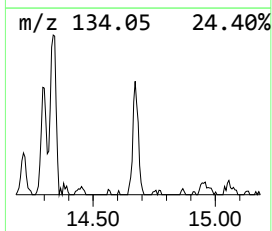
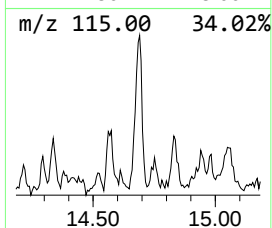
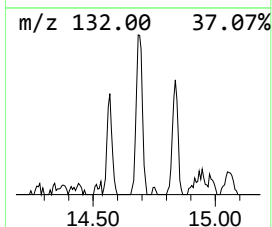
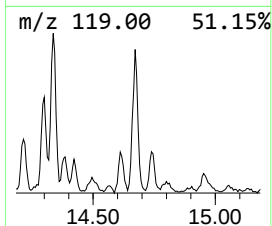
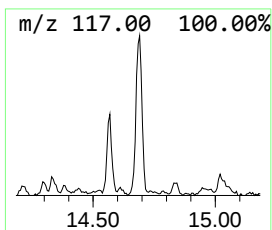
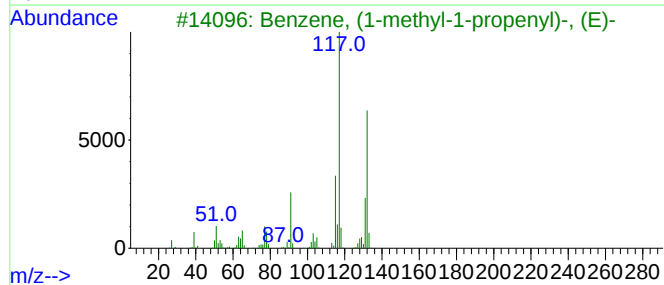
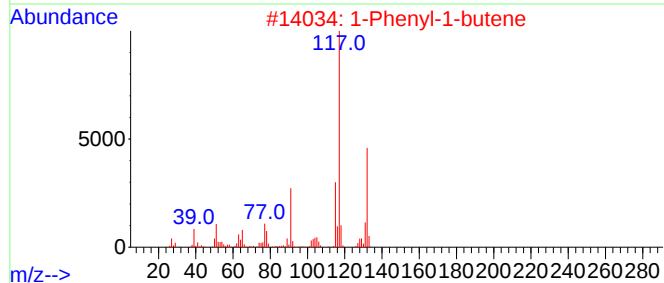
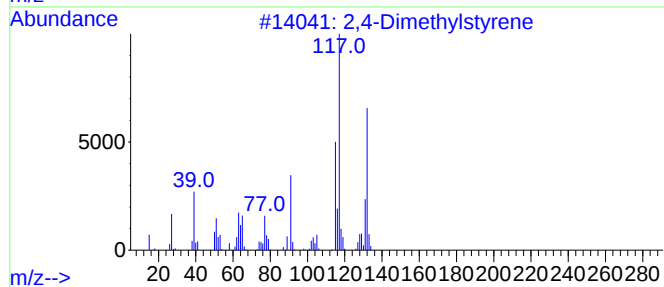
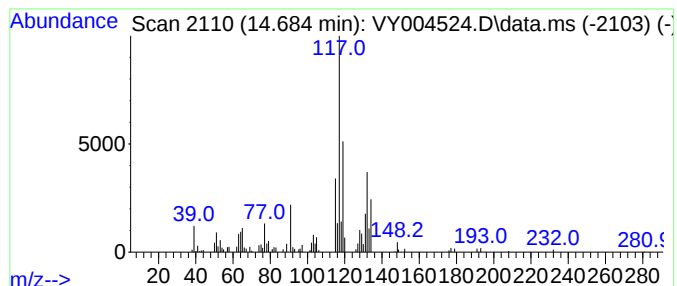
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 2,4-Dimethylstyrene Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.684 | 6.09 ug/l | 69051 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,4-Dimethylstyrene                 | 132 | C10H12  | 002234-20-0 | 83   |
| 2    |    |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 64   |
| 3    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 64   |
| 4    |    |   | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 64   |
| 5    |    |   | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042021\  
Data File : VY004524.D  
Acq On : 20 Apr 2021 13:25  
Operator : SY/MD  
Sample : M2090-05  
Misc : 5.98G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SEDGWICK-VOC-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.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 |
| unknown2.576       | 2.576  | 6.8     | ug/l  | 49508    | 1                     | 7.801  | 365462 | 50.0 |
| (1R)-2,6,6-Trim... | 12.337 | 19.5    | ug/l  | 242172   | 3                     | 11.496 | 622369 | 50.0 |
| Benzene, 4-ethy... | 13.971 | 6.8     | ug/l  | 77214    | 4                     | 13.428 | 566974 | 50.0 |
| 2,4-Dimethylsty... | 14.684 | 6.1     | ug/l  | 69051    | 4                     | 13.428 | 566974 | 50.0 |