

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
 Data File : VD077420.D  
 Acq On : 25 Oct 2023 17:56  
 Operator : JC/SY  
 Sample : 05040-01  
 Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 M-4(50FT)(0-5)

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\82D101723S.M  
 Title : SW846 8260

Signal : TIC: VD077420.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         | 1.693       | 12            | 18          | 19           | rBV      | 4900           | 6691          | 1.46%           | 0.135%        |
| 2         | 1.734       | 19            | 25          | 35           | rVV      | 156336         | 242466        | 52.80%          | 4.877%        |
| 3         | 2.252       | 109           | 113         | 117          | rBV5     | 3929           | 5912          | 1.29%           | 0.119%        |
| 4         | 2.423       | 137           | 142         | 149          | rVB      | 14452          | 24549         | 5.35%           | 0.494%        |
| 5         | 2.552       | 159           | 164         | 167          | rBV4     | 4066           | 6956          | 1.51%           | 0.140%        |
| 6         | 4.022       | 408           | 414         | 423          | rBV      | 8831           | 21762         | 4.74%           | 0.438%        |
| 7         | 4.269       | 448           | 456         | 468          | rVB      | 37107          | 103217        | 22.48%          | 2.076%        |
| 8         | 4.805       | 536           | 547         | 558          | rBV3     | 50204          | 158699        | 34.56%          | 3.192%        |
| 9         | 5.834       | 715           | 722         | 723          | rBV4     | 3597           | 5033          | 1.10%           | 0.101%        |
| 10        | 7.805       | 1048          | 1057        | 1063         | rBV2     | 85184          | 207923        | 45.28%          | 4.182%        |
| 11        | 7.875       | 1063          | 1069        | 1085         | rVB      | 136122         | 309354        | 67.37%          | 6.223%        |
| 12        | 8.234       | 1121          | 1130        | 1141         | rBV3     | 81467          | 218039        | 47.48%          | 4.386%        |
| 13        | 8.775       | 1214          | 1222        | 1234         | rBV      | 227817         | 459197        | 100.00%         | 9.237%        |
| 14        | 10.269      | 1467          | 1476        | 1483         | rBV      | 246905         | 439179        | 95.64%          | 8.834%        |
| 15        | 10.334      | 1483          | 1487        | 1493         | rVB      | 19176          | 31918         | 6.95%           | 0.642%        |
| 16        | 10.663      | 1536          | 1543        | 1550         | rBV2     | 5303           | 10002         | 2.18%           | 0.201%        |
| 17        | 11.581      | 1692          | 1699        | 1710         | rBV      | 254139         | 434406        | 94.60%          | 8.738%        |
| 18        | 11.687      | 1710          | 1717        | 1725         | rVV      | 150858         | 257131        | 56.00%          | 5.172%        |
| 19        | 11.793      | 1730          | 1735        | 1740         | rVV2     | 9403           | 15121         | 3.29%           | 0.304%        |
| 20        | 12.134      | 1787          | 1793        | 1799         | rVB4     | 19163          | 32531         | 7.08%           | 0.654%        |
| 21        | 12.422      | 1835          | 1842        | 1847         | rBV2     | 11972          | 20153         | 4.39%           | 0.405%        |
| 22        | 12.575      | 1859          | 1868        | 1875         | rBV      | 125916         | 214194        | 46.65%          | 4.308%        |
| 23        | 12.681      | 1881          | 1886        | 1890         | rBV3     | 4009           | 7188          | 1.57%           | 0.145%        |
| 24        | 12.828      | 1905          | 1911        | 1914         | rBV      | 29288          | 46946         | 10.22%          | 0.944%        |
| 25        | 12.857      | 1914          | 1916        | 1921         | rVV      | 23152          | 29086         | 6.33%           | 0.585%        |
| 26        | 12.904      | 1921          | 1924        | 1928         | rVB2     | 9322           | 11667         | 2.54%           | 0.235%        |
| 27        | 13.063      | 1945          | 1951        | 1958         | rBV2     | 24461          | 42007         | 9.15%           | 0.845%        |
| 28        | 13.169      | 1962          | 1969        | 1971         | rBV5     | 5288           | 9782          | 2.13%           | 0.197%        |
| 29        | 13.216      | 1971          | 1977        | 1981         | rVV5     | 19333          | 41201         | 8.97%           | 0.829%        |
| 30        | 13.257      | 1981          | 1984        | 1990         | rVB6     | 8389           | 14646         | 3.19%           | 0.295%        |
| 31        | 13.316      | 1990          | 1994        | 1998         | rBV4     | 3011           | 6174          | 1.34%           | 0.124%        |
| 32        | 13.457      | 2014          | 2018        | 2021         | rBV4     | 4650           | 6235          | 1.36%           | 0.125%        |
| 33        | 13.516      | 2022          | 2028        | 2037         | rVB      | 135455         | 231718        | 50.46%          | 4.661%        |
| 34        | 13.616      | 2039          | 2045        | 2050         | rVB5     | 3304           | 6128          | 1.33%           | 0.123%        |
| 35        | 13.722      | 2056          | 2063        | 2073         | rVV2     | 84339          | 158978        | 34.62%          | 3.198%        |
| 36        | 13.851      | 2078          | 2085        | 2086         | rBV5     | 5836           | 9314          | 2.03%           | 0.187%        |

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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 M-4(50FT)(0-5)

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\82D101723S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 37 | 13.904 | 2086 | 2094 | 2101 | rVB4  | 18411  | 41609  | 9.06%  | 0.837% |
| 38 | 13.975 | 2101 | 2106 | 2107 | rBV2  | 6670   | 7579   | 1.65%  | 0.152% |
| 39 | 14.004 | 2109 | 2111 | 2115 | rVV4  | 7932   | 8552   | 1.86%  | 0.172% |
| 40 | 14.063 | 2115 | 2121 | 2124 | rVB3  | 17881  | 28890  | 6.29%  | 0.581% |
| 41 | 14.175 | 2134 | 2140 | 2144 | rBV4  | 13510  | 27455  | 5.98%  | 0.552% |
| 42 | 14.210 | 2144 | 2146 | 2151 | rVB5  | 5200   | 7643   | 1.66%  | 0.154% |
| 43 | 14.304 | 2157 | 2162 | 2167 | rBV4  | 8021   | 12287  | 2.68%  | 0.247% |
| 44 | 14.381 | 2170 | 2175 | 2179 | rBV4  | 7502   | 12299  | 2.68%  | 0.247% |
| 45 | 14.428 | 2179 | 2183 | 2187 | rVB2  | 11869  | 15200  | 3.31%  | 0.306% |
| 46 | 14.475 | 2187 | 2191 | 2194 | rBV4  | 5674   | 7441   | 1.62%  | 0.150% |
| 47 | 14.657 | 2217 | 2222 | 2227 | rBV4  | 11250  | 19985  | 4.35%  | 0.402% |
| 48 | 14.775 | 2235 | 2242 | 2247 | rBV2  | 51485  | 99632  | 21.70% | 2.004% |
| 49 | 14.840 | 2248 | 2253 | 2258 | rVV2  | 17843  | 30905  | 6.73%  | 0.622% |
| 50 | 14.922 | 2262 | 2267 | 2272 | rVB4  | 23649  | 42512  | 9.26%  | 0.855% |
| 51 | 15.040 | 2278 | 2287 | 2290 | rBV9  | 14609  | 28365  | 6.18%  | 0.571% |
| 52 | 15.145 | 2302 | 2305 | 2309 | rVB5  | 6412   | 10490  | 2.28%  | 0.211% |
| 53 | 15.292 | 2327 | 2330 | 2331 | rBV2  | 4326   | 4605   | 1.00%  | 0.093% |
| 54 | 15.334 | 2331 | 2337 | 2343 | rVV   | 147410 | 266956 | 58.14% | 5.370% |
| 55 | 15.434 | 2350 | 2354 | 2360 | rBV3  | 13854  | 23942  | 5.21%  | 0.482% |
| 56 | 15.622 | 2383 | 2386 | 2389 | rBV4  | 5224   | 7453   | 1.62%  | 0.150% |
| 57 | 15.810 | 2415 | 2418 | 2419 | rBV3  | 6686   | 7065   | 1.54%  | 0.142% |
| 58 | 15.869 | 2426 | 2428 | 2433 | rVB6  | 6516   | 6799   | 1.48%  | 0.137% |
| 59 | 15.928 | 2433 | 2438 | 2446 | rVV10 | 9872   | 22919  | 4.99%  | 0.461% |
| 60 | 15.987 | 2446 | 2448 | 2454 | rVB7  | 6271   | 8588   | 1.87%  | 0.173% |
| 61 | 16.122 | 2467 | 2471 | 2472 | rBV4  | 4023   | 5011   | 1.09%  | 0.101% |
| 62 | 16.339 | 2501 | 2508 | 2513 | rBV4  | 11321  | 28997  | 6.31%  | 0.583% |
| 63 | 16.398 | 2513 | 2518 | 2526 | rVB2  | 28353  | 62001  | 13.50% | 1.247% |
| 64 | 16.604 | 2545 | 2553 | 2562 | rBV2  | 123023 | 280766 | 61.14% | 5.648% |

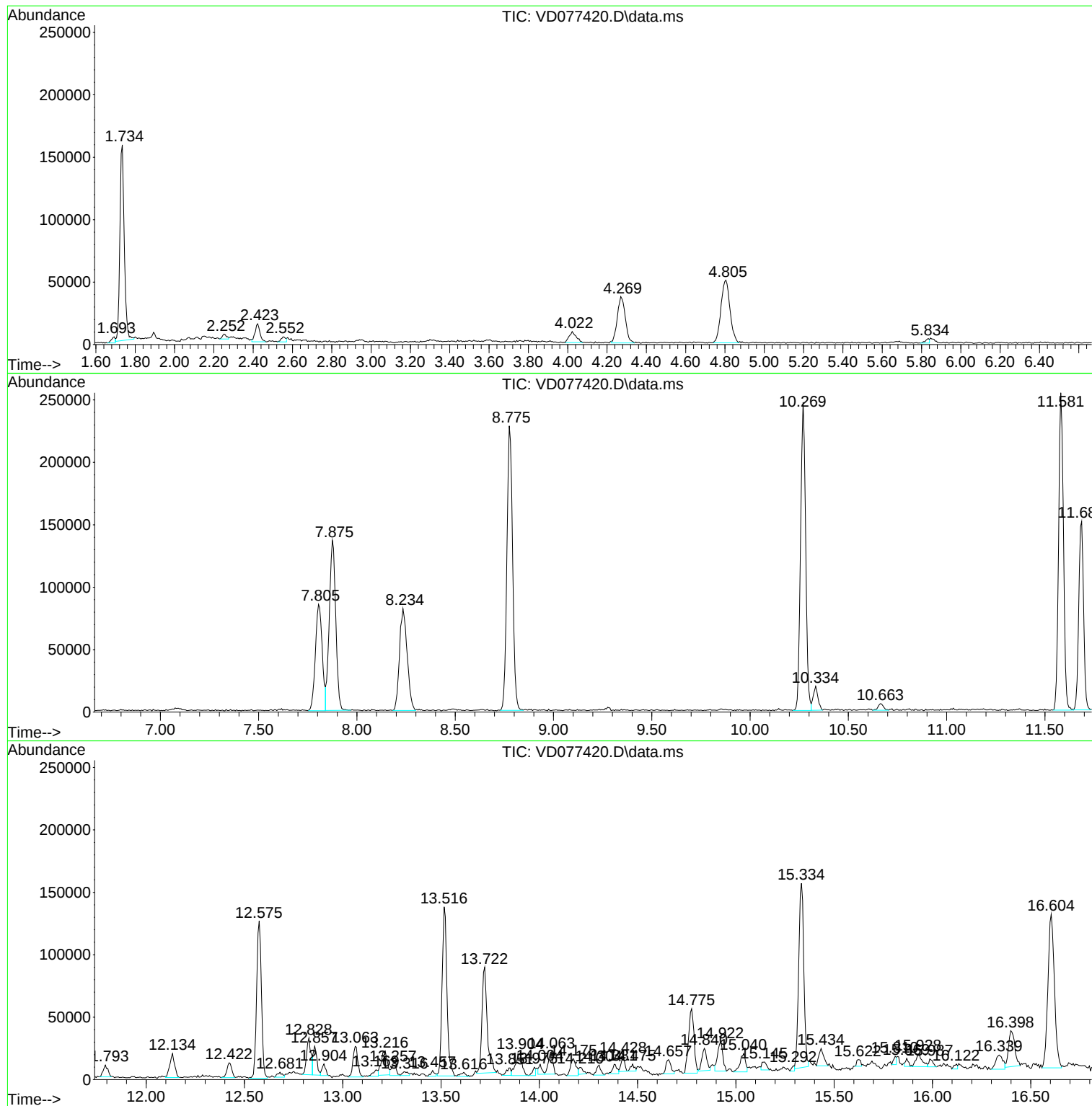
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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ClientSampleId :  
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

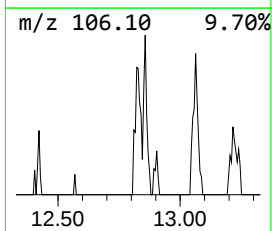
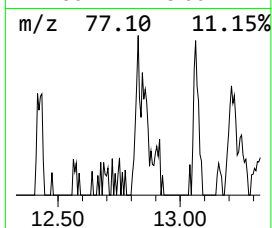
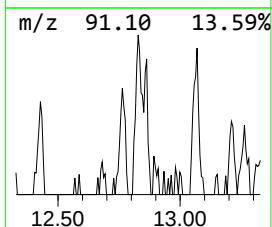
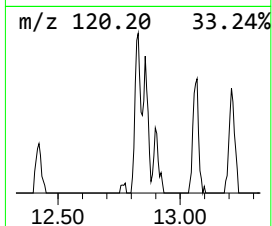
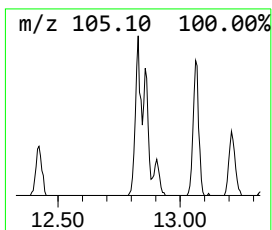
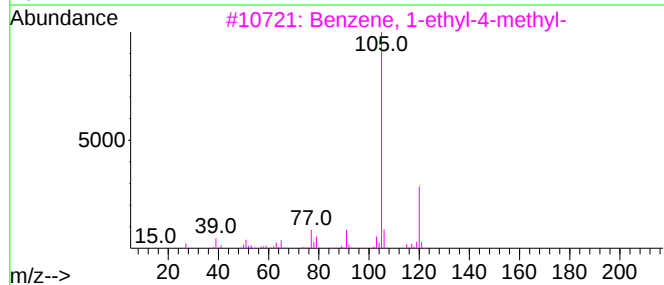
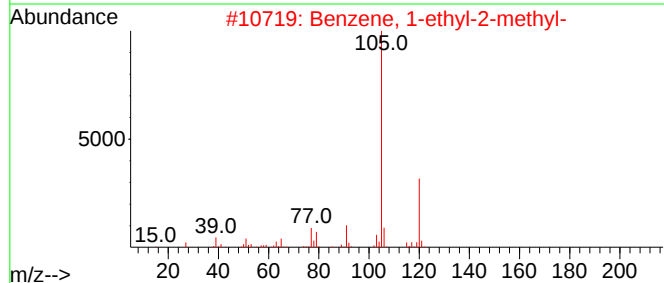
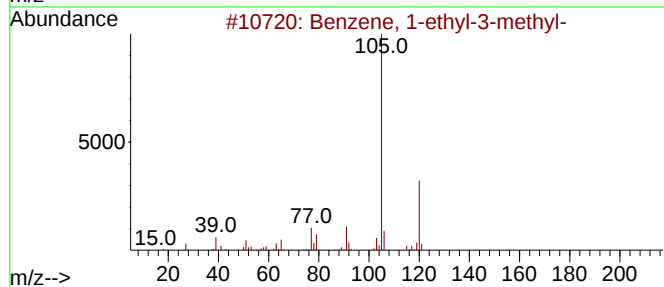
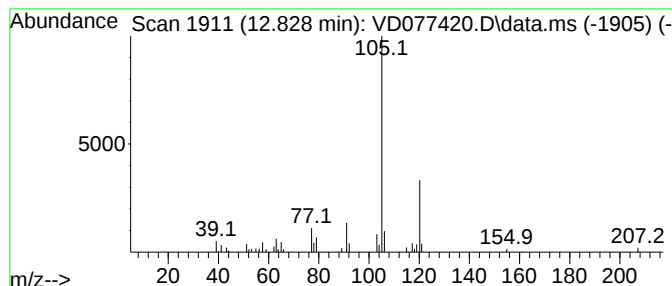
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 12.828 | 10.13 ug/l | 46946 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

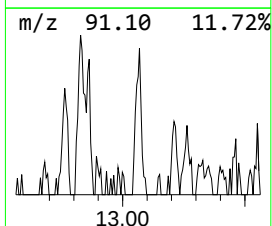
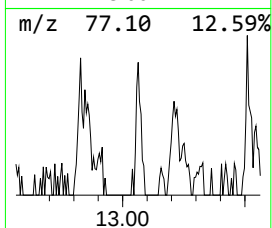
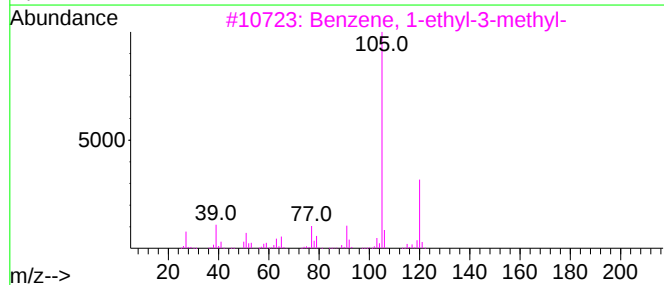
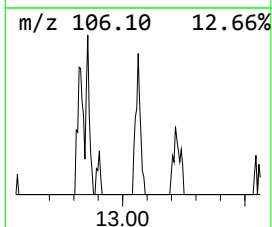
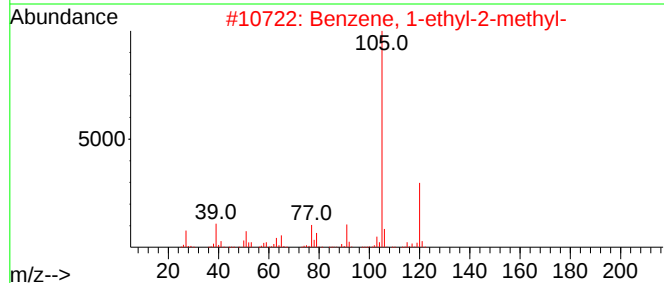
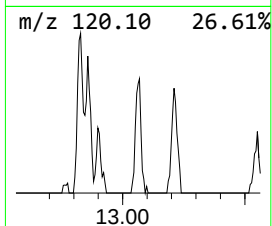
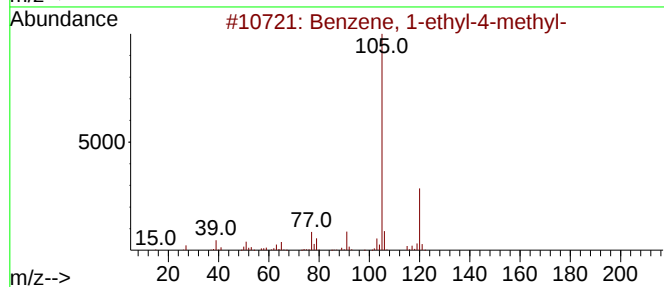
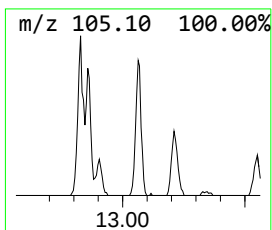
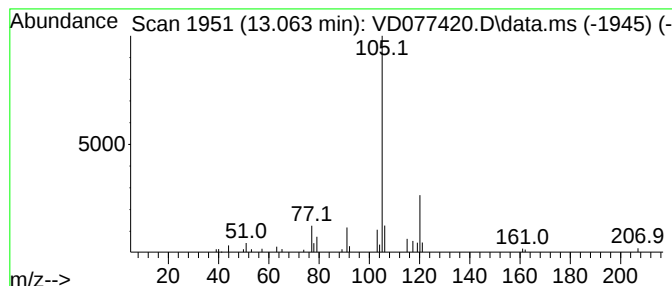
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.063 | 9.06 ug/l | 42007 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 90   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 86   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 86   |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

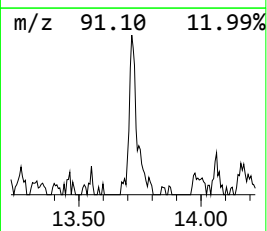
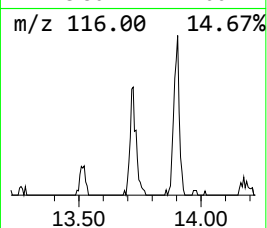
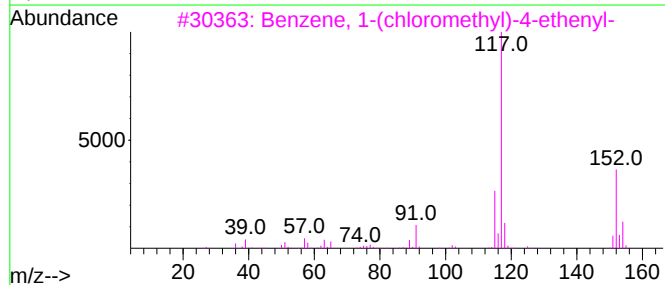
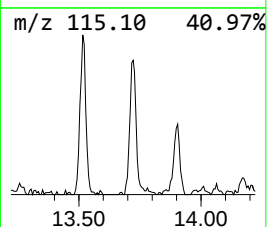
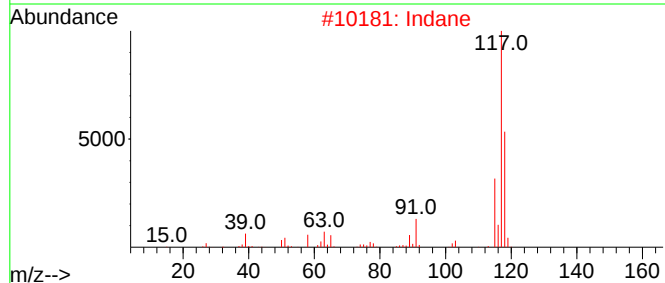
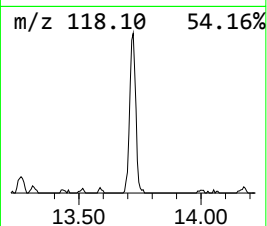
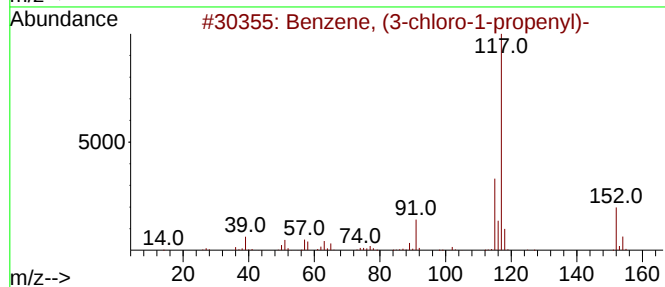
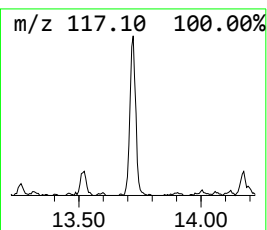
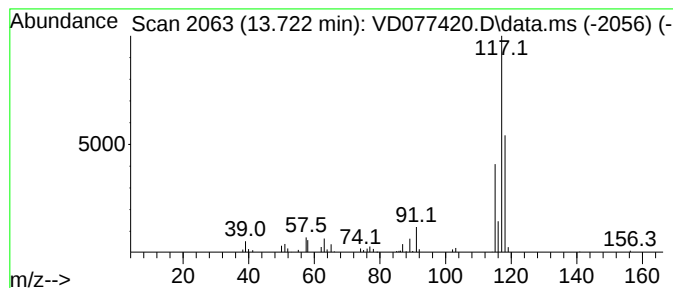
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, (3-chloro-1-propen... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.722 | 34.30 ug/l | 158978 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (3-chloro-1-propenyl)-     | 152 | C9H9Cl  | 002687-12-9 | 59   |
| 2    |    |   | Indane                              | 118 | C9H10   | 000496-11-7 | 58   |
| 3    |    |   | Benzene, 1-(chloromethyl)-4-ethe... | 152 | C9H9Cl  | 001592-20-7 | 53   |
| 4    |    |   | Benzene, 1-propenyl-                | 118 | C9H10   | 000637-50-3 | 53   |
| 5    |    |   | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4 | 53   |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

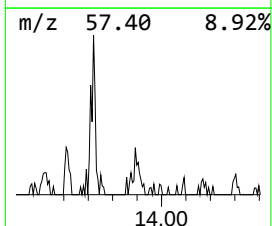
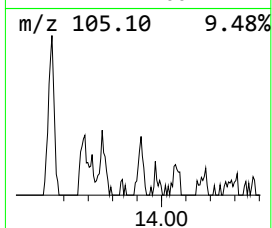
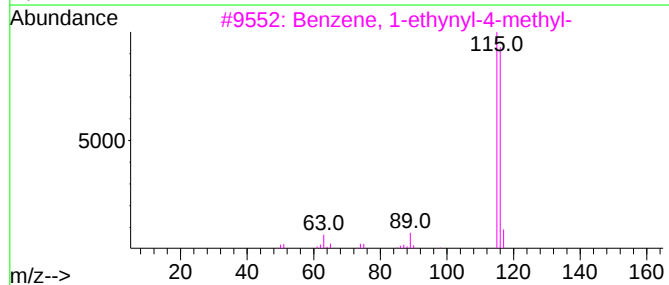
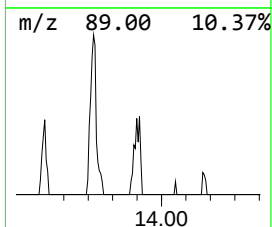
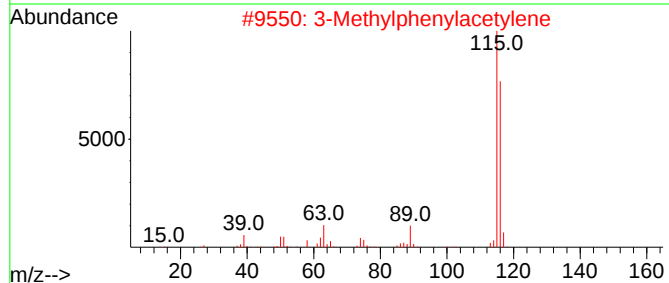
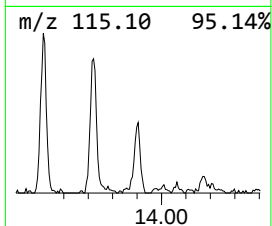
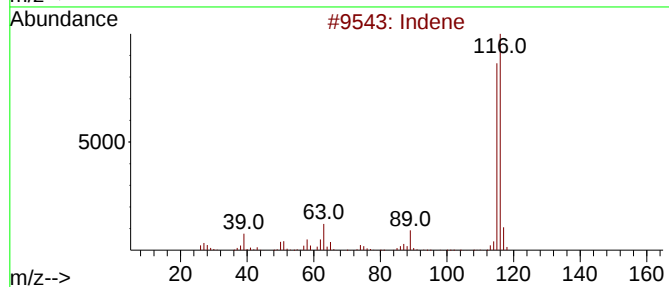
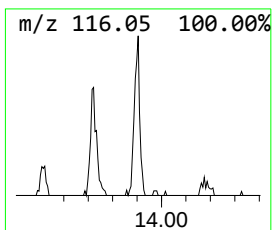
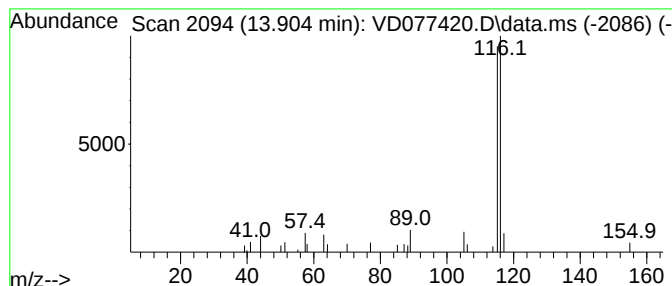
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Indene Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.904 | 8.98 ug/l | 41609 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 72   |
| 2    |    |   | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 72   |
| 3    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 72   |
| 4    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 72   |
| 5    |    |   | Benzene, 1,2-propadienyl-    | 116 | C9H8    | 002327-99-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
Data File : VD077420.D  
Acq On : 25 Oct 2023 17:56  
Operator : JC/SY  
Sample : 05040-01  
Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

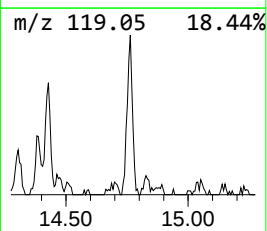
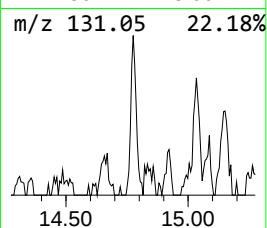
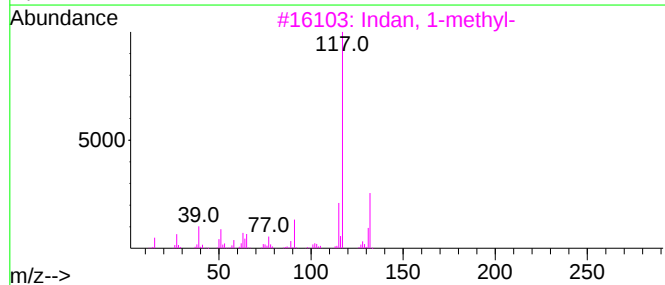
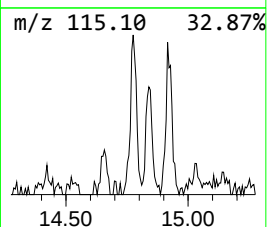
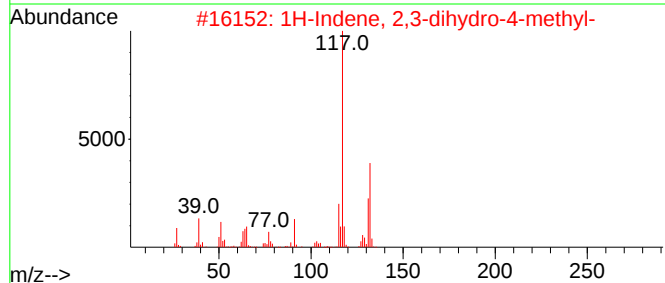
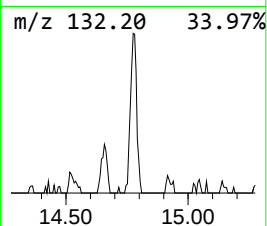
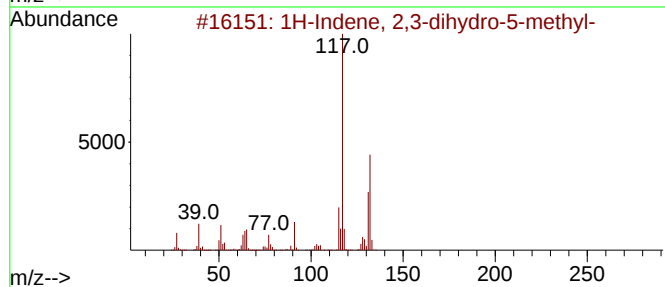
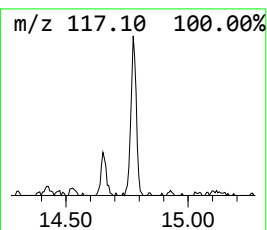
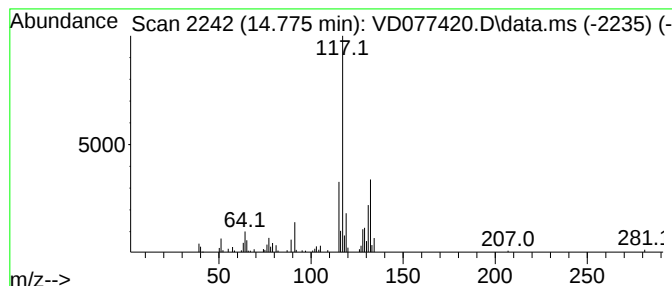
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

| R.T.      | EstConc                          | Area  | Relative to ISTD       |         |             | R.T.   |
|-----------|----------------------------------|-------|------------------------|---------|-------------|--------|
| 14.775    | 21.50 ug/l                       | 99632 | 1,4-Dichlorobenzene-d4 |         |             | 13.516 |
| Hit# of 5 | Tentative ID                     |       | MW                     | MolForm | CAS#        | Qual   |
| 1         | 1H-Indene, 2,3-dihydro-5-methyl- |       | 132                    | C10H12  | 000874-35-1 | 81     |
| 2         | 1H-Indene, 2,3-dihydro-4-methyl- |       | 132                    | C10H12  | 000824-22-6 | 74     |
| 3         | Indan, 1-methyl-                 |       | 132                    | C10H12  | 000767-58-8 | 72     |
| 4         | Benzene, 1-ethenyl-3-ethyl-      |       | 132                    | C10H12  | 007525-62-4 | 70     |
| 5         | Benzene, 1-ethenyl-4-ethyl-      |       | 132                    | C10H12  | 003454-07-7 | 64     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
Data File : VD077420.D  
Acq On : 25 Oct 2023 17:56  
Operator : JC/SY  
Sample : 05040-01  
Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

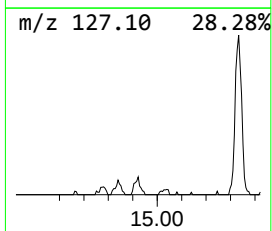
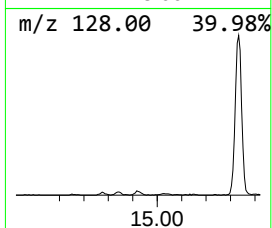
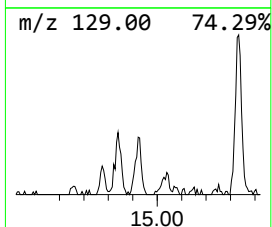
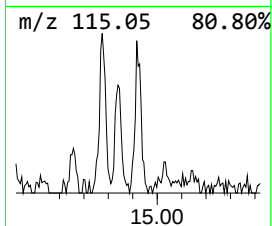
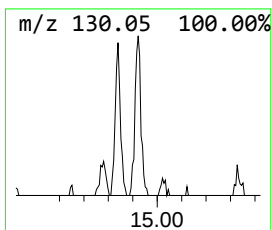
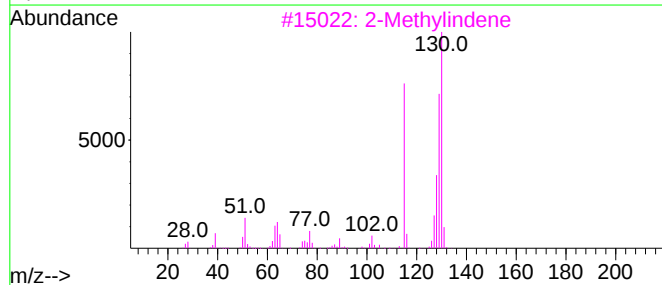
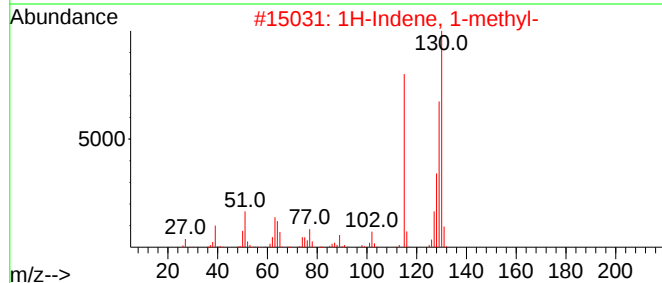
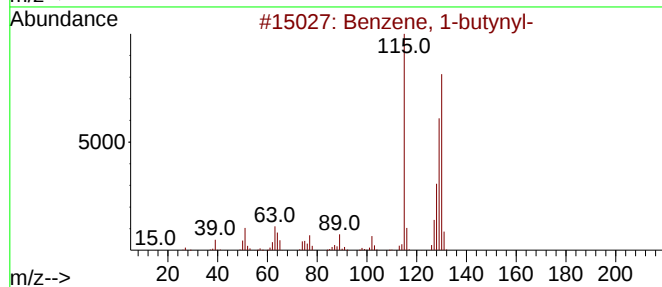
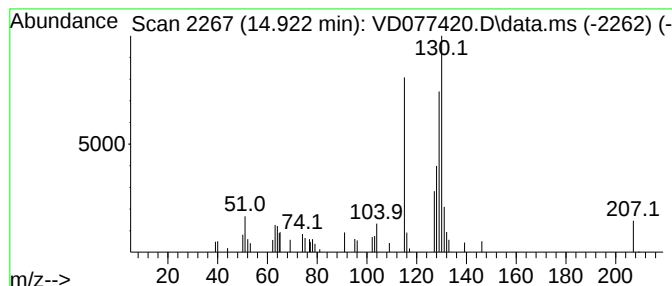
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-butynyl- Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.922 | 9.17 ug/l | 42512 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-butynyl-                 | 130 | C10H10  | 000622-76-4 | 76   |
| 2    |    |   | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 70   |
| 3    |    |   | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 68   |
| 4    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 62   |
| 5    |    |   | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
Data File : VD077420.D  
Acq On : 25 Oct 2023 17:56  
Operator : JC/SY  
Sample : 05040-01  
Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

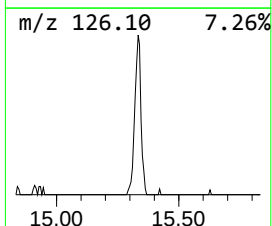
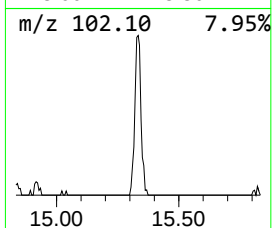
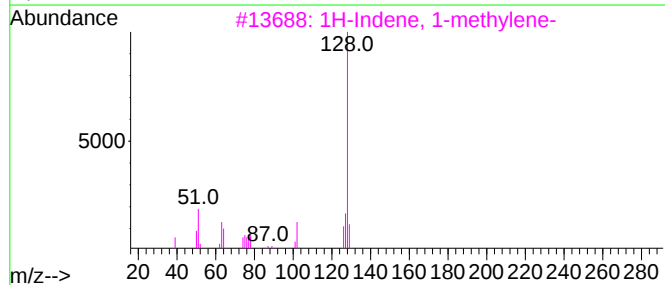
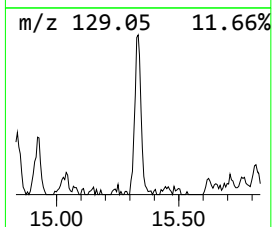
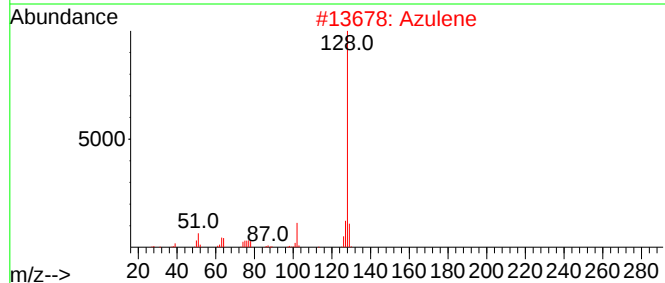
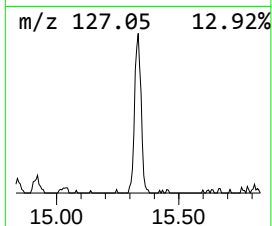
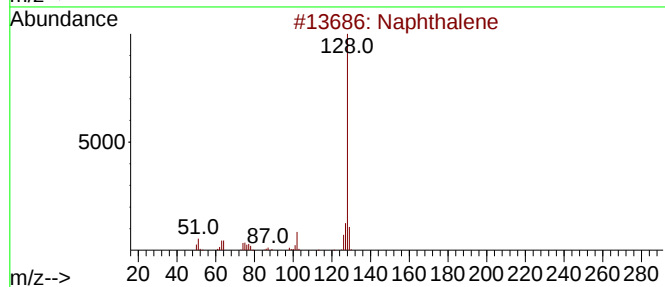
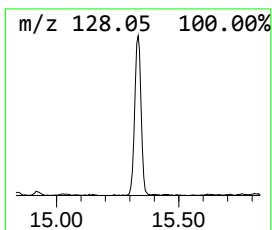
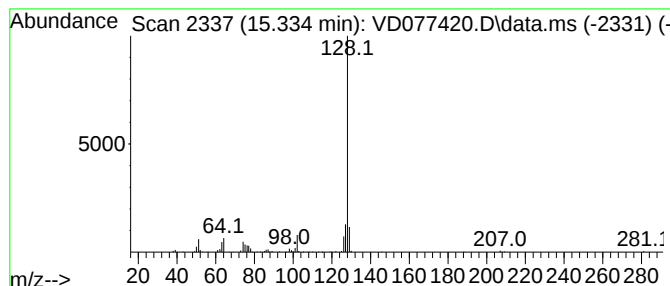
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Azulene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.334 | 57.60 ug/l | 266956 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene                      | 128 | C10H8   | 000091-20-3 | 94   |
| 2    |    |   | Azulene                          | 128 | C10H8   | 000275-51-4 | 90   |
| 3    |    |   | 1H-Indene, 1-methylene-          | 128 | C10H8   | 002471-84-3 | 80   |
| 4    |    |   | 1,2-Benzenedicarbonitrile        | 128 | C8H4N2  | 000091-15-6 | 64   |
| 5    |    |   | [4.2.2]Propella-2,4,7,9-tetraene | 128 | C10H8   | 088090-34-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
Data File : VD077420.D  
Acq On : 25 Oct 2023 17:56  
Operator : JC/SY  
Sample : 05040-01  
Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

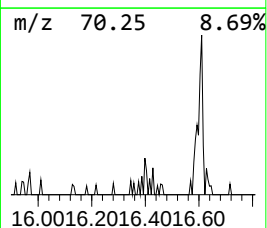
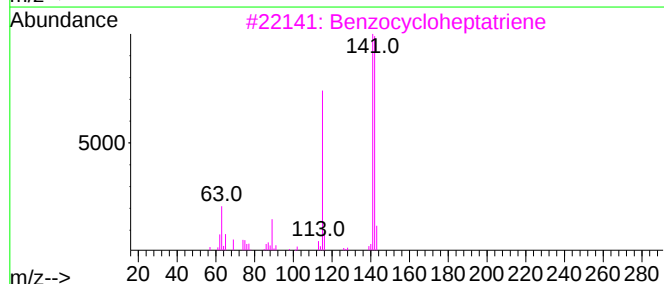
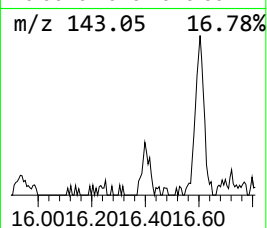
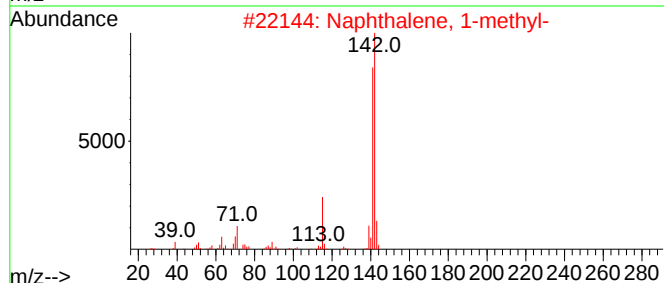
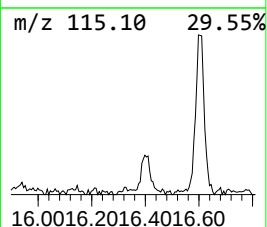
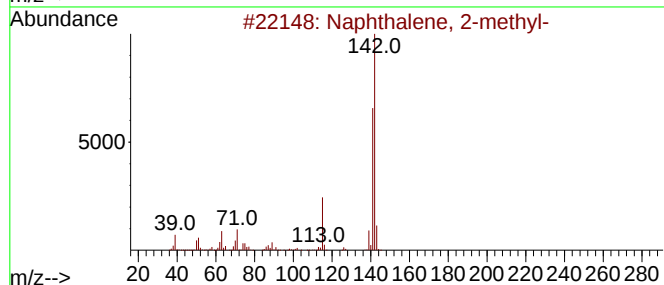
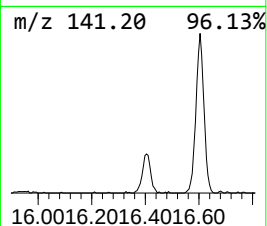
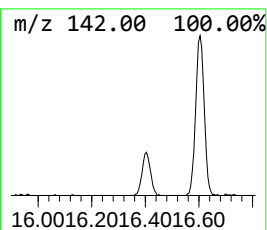
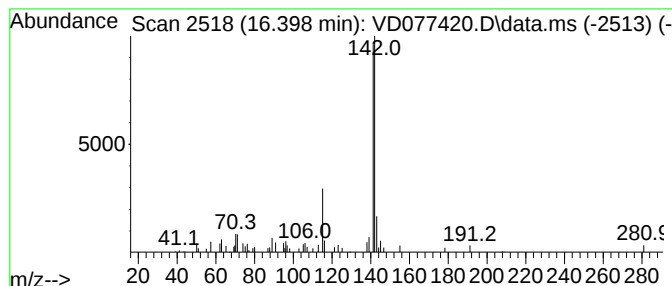
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzocycloheptatriene Concentration Rank 6

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 16.398 | 13.38 ug/l | 62001 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 80   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 80   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 78   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 72   |
| 5    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
Data File : VD077420.D  
Acq On : 25 Oct 2023 17:56  
Operator : JC/SY  
Sample : 05040-01  
Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

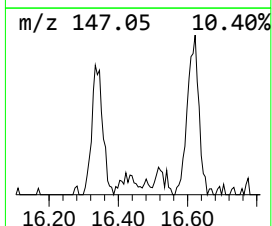
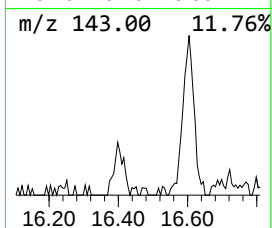
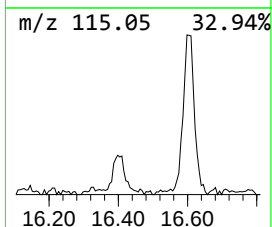
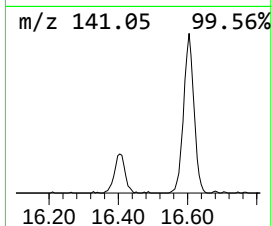
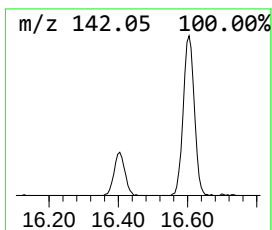
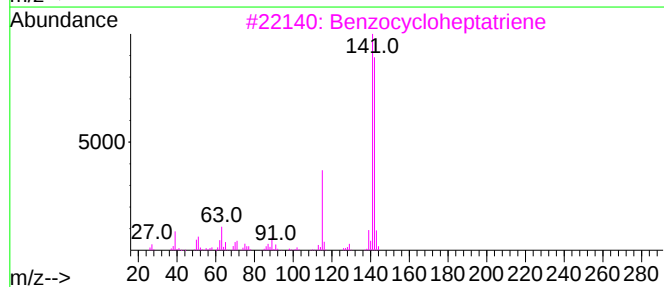
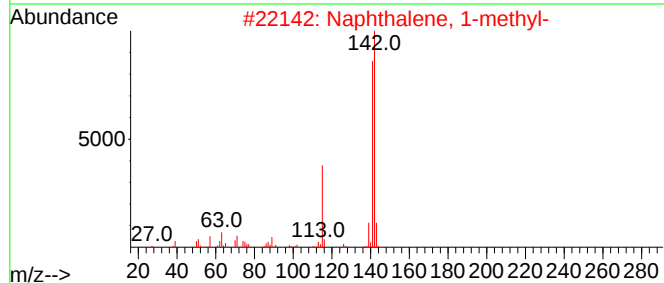
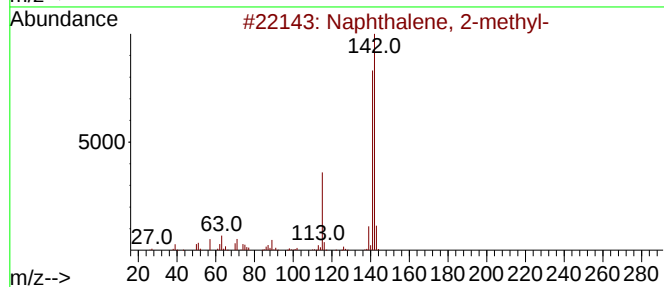
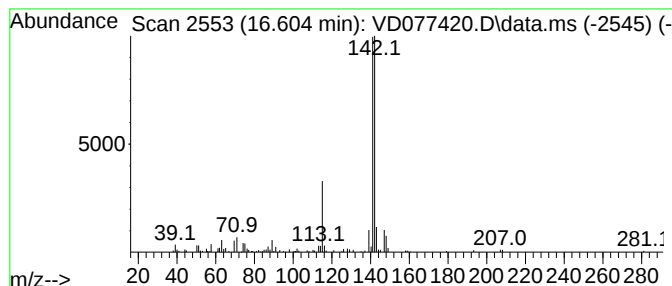
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.604 | 60.58 ug/l | 280766 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 95   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 95   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 87   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 87   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102523\  
Data File : VD077420.D  
Acq On : 25 Oct 2023 17:56  
Operator : JC/SY  
Sample : 05040-01  
Misc : 4.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Benzene, 1-ethy... | 12.828 | 10.1    | ug/l  | 46946    | 4                     | 13.516 | 231718 | 50.0 |
| Benzene, 1-ethy... | 13.063 | 9.1     | ug/l  | 42007    | 4                     | 13.516 | 231718 | 50.0 |
| Benzene, (3-chl... | 13.722 | 34.3    | ug/l  | 158978   | 4                     | 13.516 | 231718 | 50.0 |
| Indene             | 13.904 | 9.0     | ug/l  | 41609    | 4                     | 13.516 | 231718 | 50.0 |
| 1H-Indene, 2,3-... | 14.775 | 21.5    | ug/l  | 99632    | 4                     | 13.516 | 231718 | 50.0 |
| Benzene, 1-buty... | 14.922 | 9.2     | ug/l  | 42512    | 4                     | 13.516 | 231718 | 50.0 |
| Azulene            | 15.334 | 57.6    | ug/l  | 266956   | 4                     | 13.516 | 231718 | 50.0 |
| Benzocyclohepta... | 16.398 | 13.4    | ug/l  | 62001    | 4                     | 13.516 | 231718 | 50.0 |
| 1,4-Methanonaph... | 16.604 | 60.6    | ug/l  | 280766   | 4                     | 13.516 | 231718 | 50.0 |