

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
 Data File : VW032556.D  
 Acq On : 26 Nov 2025 19:45  
 Operator : SY/MD  
 Sample : Q3733-01  
 Misc : 6.29g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-04-11-26-2025

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\_W\Method\82W111025S.M  
 Title : SW846 8260

Signal : TIC: VW032556.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         | 4.161       | 365           | 373         | 392          | rVB      | 24777          | 94967         | 5.82%           | 0.711%        |
| 2         | 4.960       | 494           | 504         | 519          | rBV3     | 24291          | 92520         | 5.67%           | 0.692%        |
| 3         | 5.972       | 658           | 670         | 681          | rBV3     | 117218         | 358259        | 21.95%          | 2.682%        |
| 4         | 7.898       | 968           | 986         | 991          | rBV      | 201292         | 497632        | 30.48%          | 3.725%        |
| 5         | 7.959       | 991           | 996         | 1006         | rVB2     | 282939         | 652438        | 39.97%          | 4.883%        |
| 6         | 8.319       | 1046          | 1055        | 1069         | rBV      | 204953         | 475469        | 29.13%          | 3.559%        |
| 7         | 8.849       | 1134          | 1142        | 1153         | rBV      | 582856         | 1152806       | 70.62%          | 8.629%        |
| 8         | 10.325      | 1374          | 1384        | 1390         | rBV      | 736471         | 1317477       | 80.71%          | 9.861%        |
| 9         | 10.392      | 1390          | 1395        | 1407         | rVB      | 187170         | 346329        | 21.22%          | 2.592%        |
| 10        | 11.629      | 1591          | 1598        | 1608         | rBV      | 928486         | 1597270       | 97.85%          | 11.955%       |
| 11        | 11.837      | 1624          | 1632        | 1642         | rBV3     | 45733          | 102521        | 6.28%           | 0.767%        |
| 12        | 12.166      | 1674          | 1686        | 1694         | rBV      | 35539          | 89118         | 5.46%           | 0.667%        |
| 13        | 12.611      | 1749          | 1759        | 1768         | rBV2     | 808809         | 1632417       | 100.00%         | 12.218%       |
| 14        | 12.861      | 1795          | 1800        | 1803         | rBV      | 39450          | 66625         | 4.08%           | 0.499%        |
| 15        | 12.934      | 1808          | 1812        | 1819         | rVB3     | 64305          | 122627        | 7.51%           | 0.918%        |
| 16        | 13.099      | 1832          | 1839        | 1845         | rBV      | 33529          | 71022         | 4.35%           | 0.532%        |
| 17        | 13.245      | 1858          | 1863        | 1869         | rBV      | 93260          | 144961        | 8.88%           | 1.085%        |
| 18        | 13.556      | 1908          | 1914        | 1923         | rVB2     | 887359         | 1494379       | 91.54%          | 11.185%       |
| 19        | 13.751      | 1941          | 1946        | 1949         | rBV2     | 63067          | 110072        | 6.74%           | 0.824%        |
| 20        | 13.787      | 1949          | 1952        | 1961         | rVB4     | 66135          | 124557        | 7.63%           | 0.932%        |
| 21        | 13.873      | 1961          | 1966        | 1972         | rBV3     | 65365          | 120836        | 7.40%           | 0.904%        |
| 22        | 14.062      | 1990          | 1997        | 1999         | rBV3     | 43558          | 101458        | 6.22%           | 0.759%        |
| 23        | 14.092      | 1999          | 2002        | 2007         | rVB      | 69928          | 98446         | 6.03%           | 0.737%        |
| 24        | 14.202      | 2015          | 2020        | 2025         | rVB3     | 71746          | 118794        | 7.28%           | 0.889%        |
| 25        | 14.330      | 2035          | 2041        | 2046         | rBV2     | 34442          | 64800         | 3.97%           | 0.485%        |
| 26        | 14.452      | 2058          | 2061        | 2064         | rVB      | 64620          | 74314         | 4.55%           | 0.556%        |
| 27        | 14.684      | 2095          | 2099        | 2102         | rBV4     | 68430          | 125595        | 7.69%           | 0.940%        |
| 28        | 14.720      | 2102          | 2105        | 2110         | rVB3     | 61755          | 96958         | 5.94%           | 0.726%        |
| 29        | 14.799      | 2110          | 2118        | 2123         | rBV3     | 158909         | 390552        | 23.92%          | 2.923%        |
| 30        | 14.952      | 2138          | 2143        | 2149         | rVB      | 118710         | 190049        | 11.64%          | 1.422%        |
| 31        | 15.056      | 2155          | 2160        | 2164         | rBV4     | 49402          | 87782         | 5.38%           | 0.657%        |
| 32        | 15.171      | 2173          | 2179        | 2186         | rVB3     | 74323          | 167893        | 10.28%          | 1.257%        |
| 33        | 15.354      | 2205          | 2209        | 2214         | rVV      | 80676          | 127241        | 7.79%           | 0.952%        |
| 34        | 15.415      | 2214          | 2219        | 2223         | rVB2     | 45796          | 72135         | 4.42%           | 0.540%        |
| 35        | 15.543      | 2237          | 2240        | 2250         | rVB3     | 51608          | 93027         | 5.70%           | 0.696%        |
| 36        | 15.647      | 2250          | 2257        | 2264         | rBV3     | 52177          | 114329        | 7.00%           | 0.856%        |

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-11-26-2025

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\_W\Method\82W111025S.M

Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 15.854 | 2286 | 2291 | 2300 | rVB2 | 114589 | 227447 | 13.93% | 1.702% |
| 38 | 16.171 | 2333 | 2343 | 2355 | rBV2 | 63955  | 180711 | 11.07% | 1.353% |
| 39 | 16.360 | 2369 | 2374 | 2380 | rVV3 | 48180  | 99143  | 6.07%  | 0.742% |
| 40 | 16.433 | 2380 | 2386 | 2390 | rVV  | 51535  | 113254 | 6.94%  | 0.848% |
| 41 | 16.476 | 2390 | 2393 | 2399 | rVB  | 38471  | 66613  | 4.08%  | 0.499% |
| 42 | 16.634 | 2413 | 2419 | 2425 | rBV4 | 35636  | 85501  | 5.24%  | 0.640% |

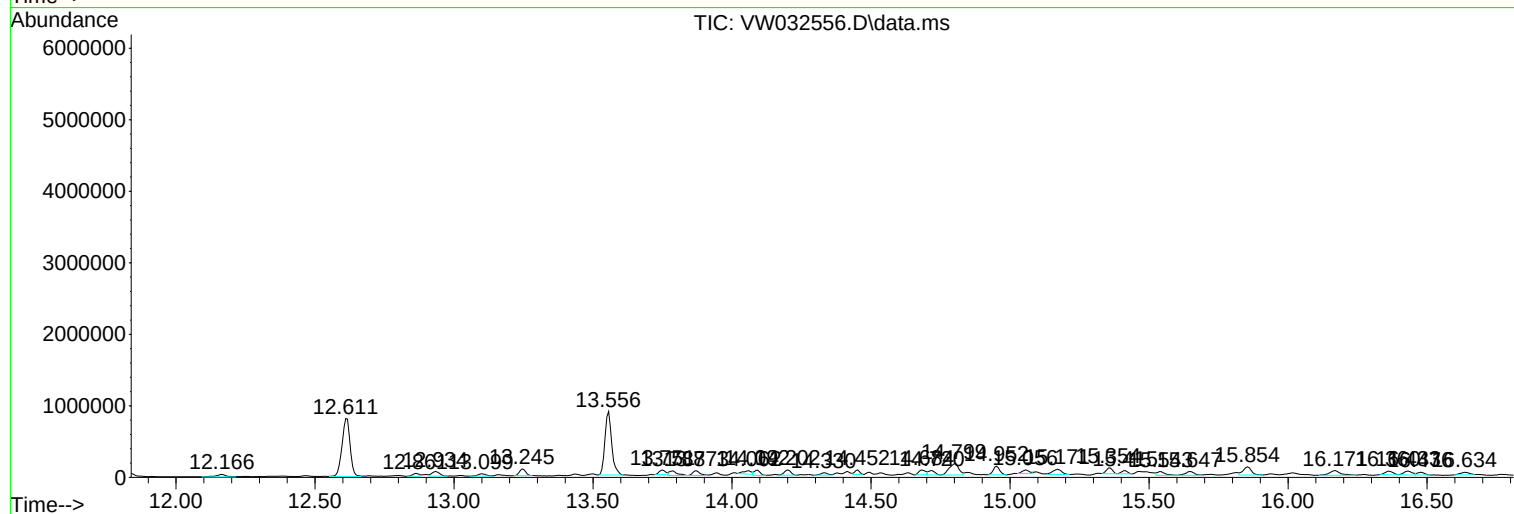
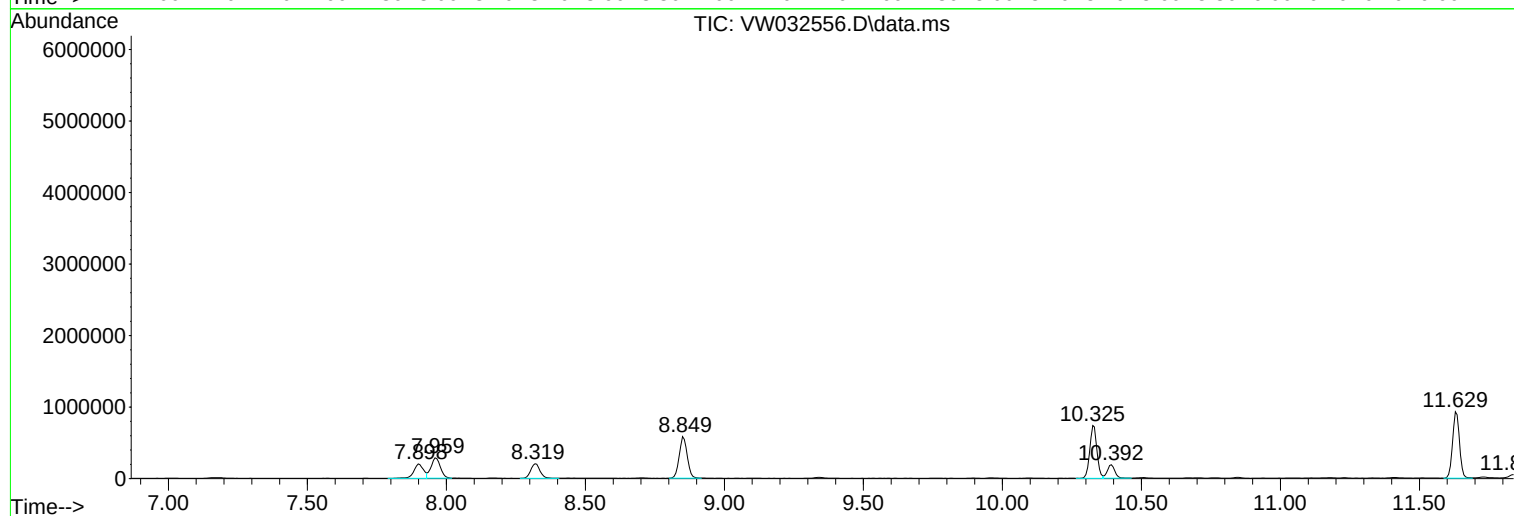
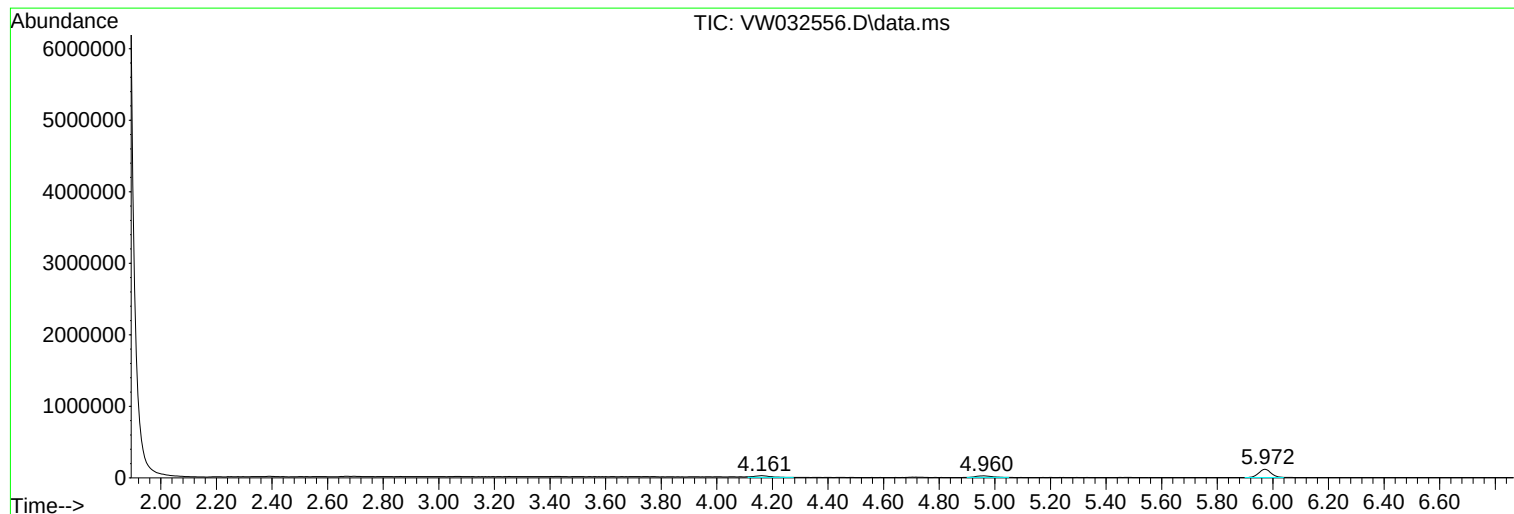
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SU-04-11-26-2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
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Misc : 6.29g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-11-26-2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

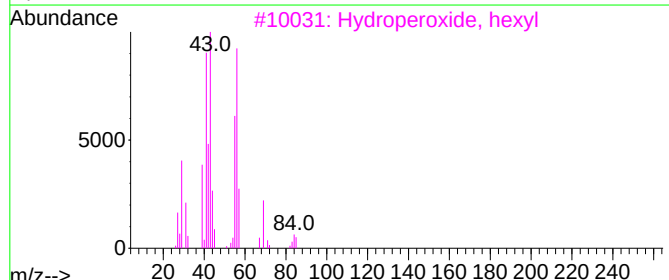
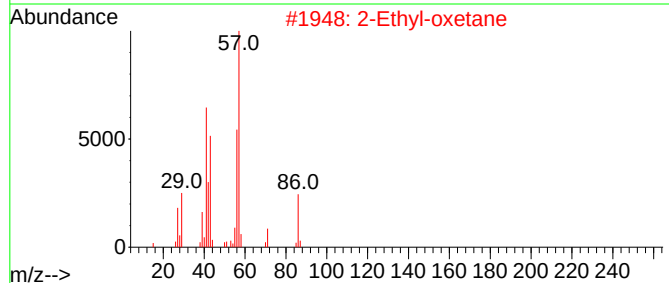
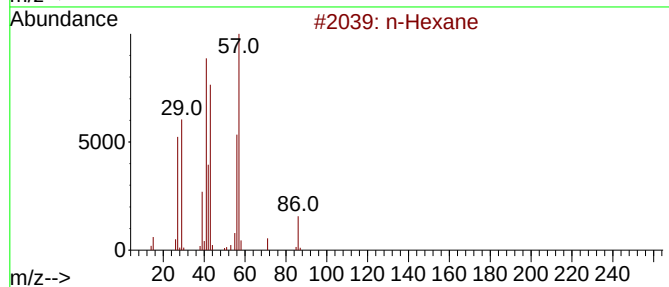
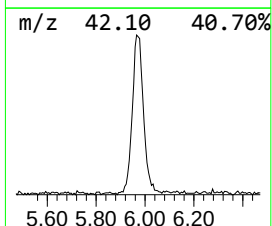
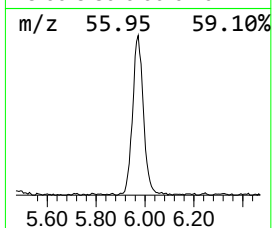
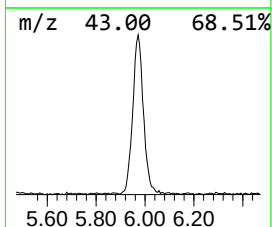
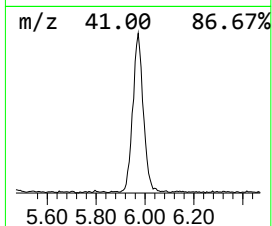
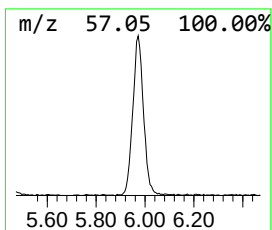
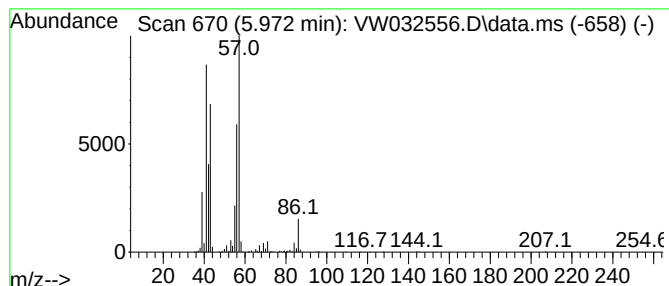
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexane Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.972 | 27.46 ug/l | 358259 | Pentafluorobenzene | 7.965 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | n-Hexane                            | 86  | C6H14     | 000110-54-3  | 90   |
| 2    |    |   | 2-Ethyl-oxetane                     | 86  | C5H10O    | 1010386-40-2 | 64   |
| 3    |    |   | Hydroperoxide, hexyl                | 118 | C6H14O2   | 004312-76-9  | 53   |
| 4    |    |   | 1-Pentene, 4-methyl-                | 84  | C6H12     | 000691-37-2  | 50   |
| 5    |    |   | 2-(N-Morpholino)ethanesulfonic acid | 195 | C6H13NO4S | 004432-31-9  | 38   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

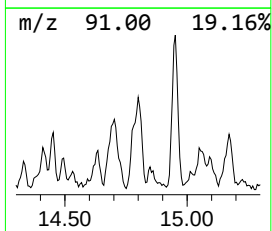
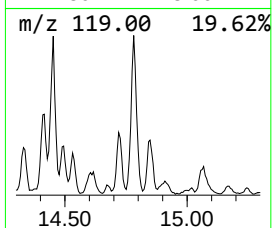
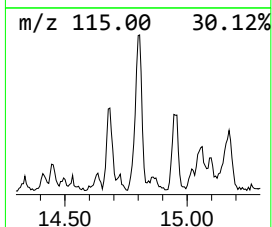
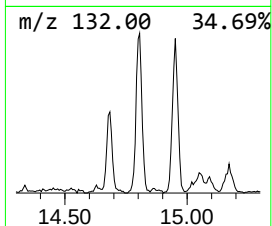
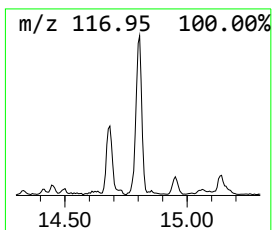
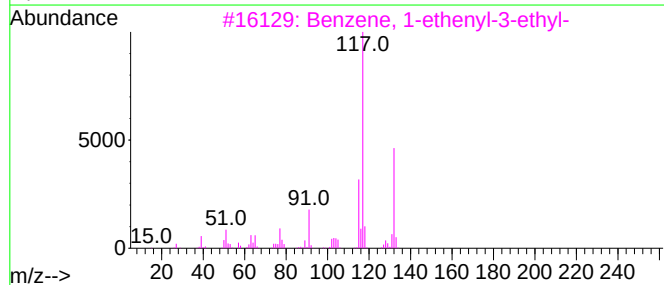
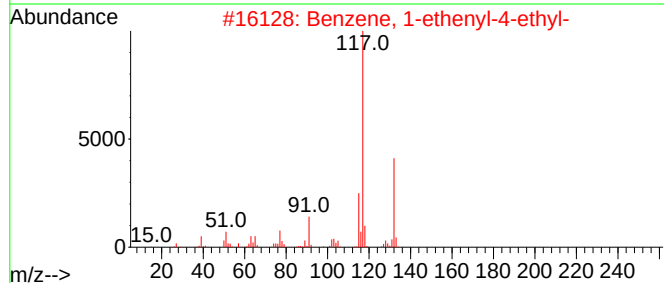
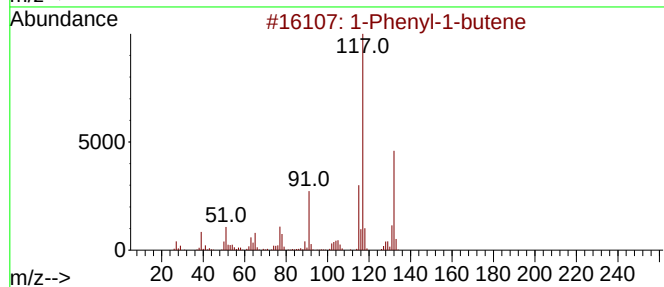
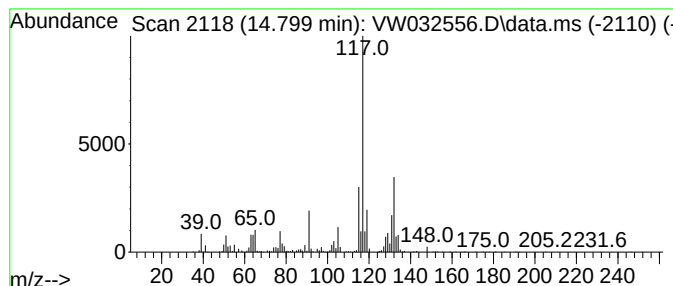
TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 1-Phenyl-1-butene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.800 | 13.07 ug/l | 390552 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 87   |
| 2    |    |   | Benzene, 1-ethenyl-4-ethyl-       | 132 | C10H12  | 003454-07-7 | 81   |
| 3    |    |   | Benzene, 1-ethenyl-3-ethyl-       | 132 | C10H12  | 007525-62-4 | 81   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-2-methyl-  | 132 | C10H12  | 000824-63-5 | 81   |
| 5    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 74   |



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Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-11-26-2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

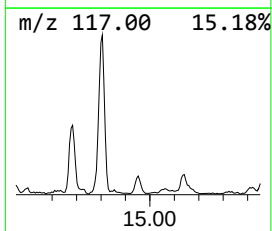
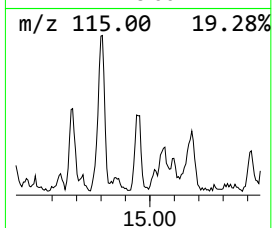
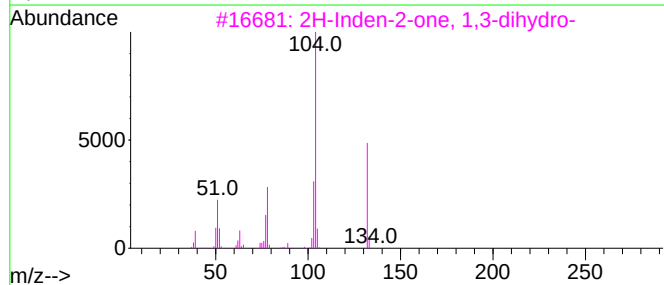
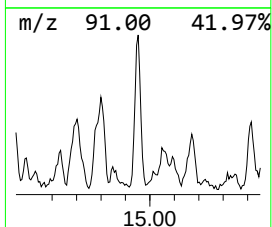
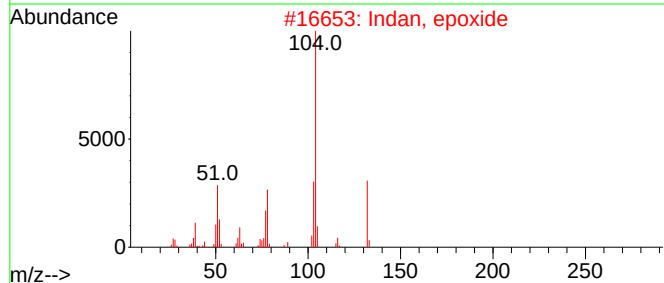
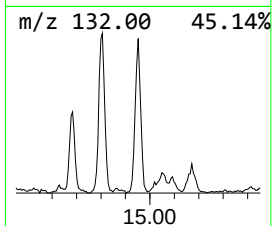
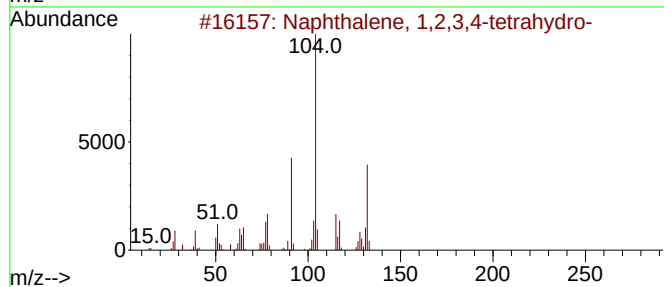
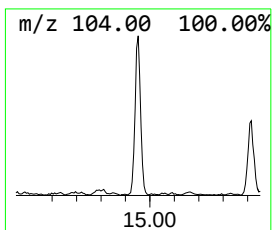
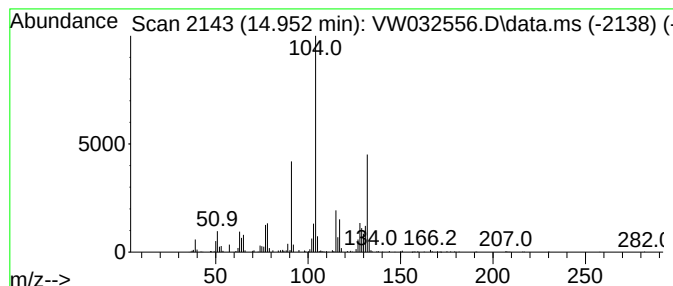
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.952 | 6.36 ug/l | 190049 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-    | 132 | C10H12    | 000119-64-2  | 96   |
| 2    |    |   | Indan, epoxide                      | 132 | C9H8O     | 000768-22-9  | 53   |
| 3    |    |   | 2H-Inden-2-one, 1,3-dihydro-        | 132 | C9H8O     | 000615-13-4  | 47   |
| 4    |    |   | 2-Methylbenzyl alcohol, heptaflu... | 318 | C12H9F7O2 | 1000364-51-2 | 35   |
| 5    |    |   | Benzene, cyclobutyl-                | 132 | C10H12    | 004392-30-7  | 35   |



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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-11-26-2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

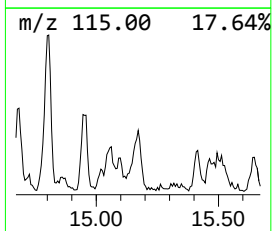
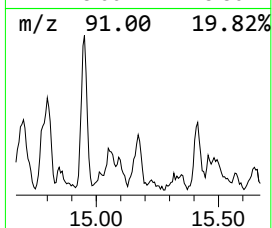
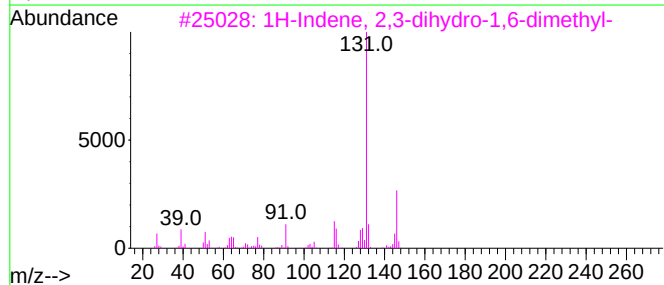
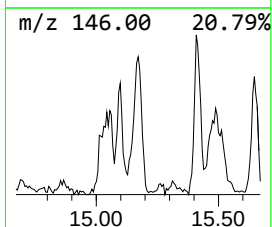
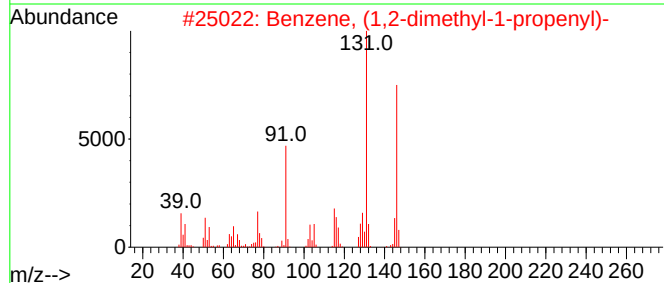
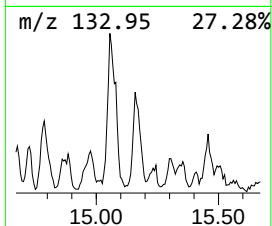
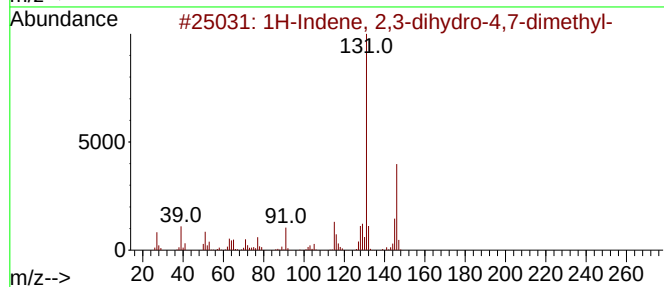
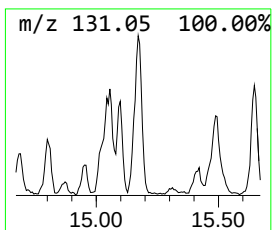
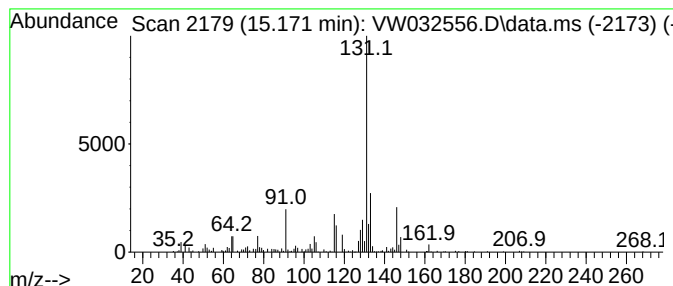
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.171 | 5.62 ug/l | 167893 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 90   |
| 2    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 90   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 90   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14  | 027087-54-3 | 81   |
| 5    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
Data File : VW032556.D  
Acq On : 26 Nov 2025 19:45  
Operator : SY/MD  
Sample : Q3733-01  
Misc : 6.29g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-11-26-2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

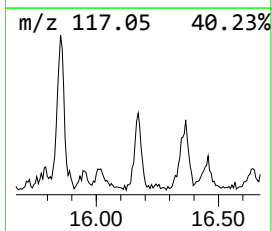
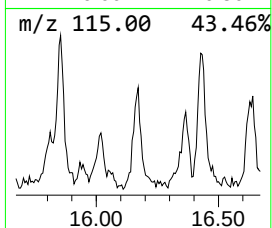
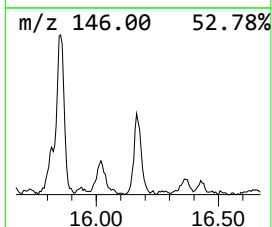
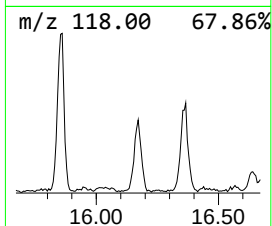
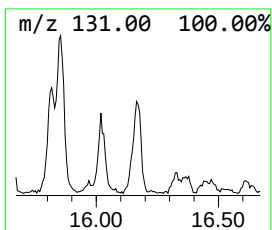
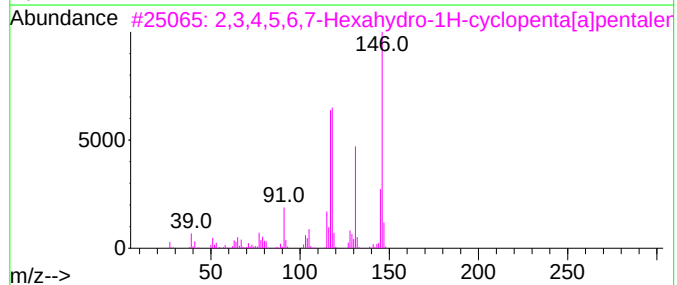
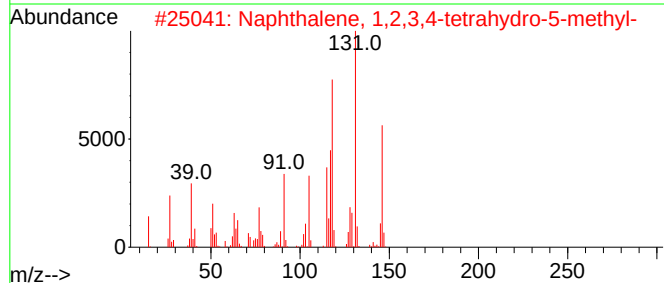
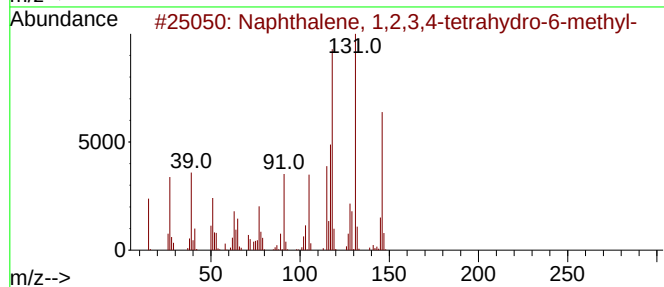
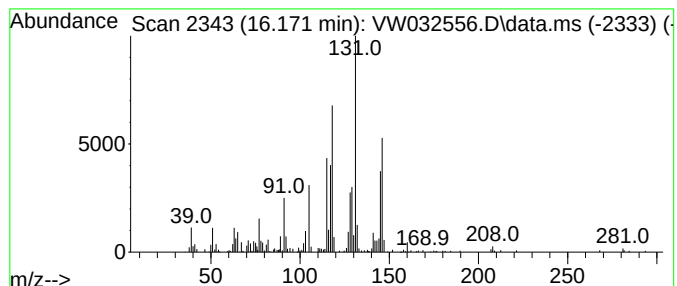
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.171 | 6.05 ug/l | 180711 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9  | 89   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5  | 87   |
| 3    |    |   | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14  | 1010189-31-0 | 76   |
| 4    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5  | 68   |
| 5    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3  | 55   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
Data File : VW032556.D  
Acq On : 26 Nov 2025 19:45  
Operator : SY/MD  
Sample : Q3733-01  
Misc : 6.29g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-04-11-26-2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexane           | 5.972  | 27.5    | ug/l  | 358259   | 1                     | 7.965  | 652438  | 50.0 |
| 1-Phenyl-1-butene  | 14.800 | 13.1    | ug/l  | 390552   | 4                     | 13.556 | 1494380 | 50.0 |
| Naphthalene, 1,... | 14.952 | 6.4     | ug/l  | 190049   | 4                     | 13.556 | 1494380 | 50.0 |
| 1H-Indene, 2,3-... | 15.171 | 5.6     | ug/l  | 167893   | 4                     | 13.556 | 1494380 | 50.0 |
| Naphthalene, 1,... | 16.171 | 6.0     | ug/l  | 180711   | 4                     | 13.556 | 1494380 | 50.0 |