

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
 Data File : VY021706.D  
 Acq On : 28 Mar 2025 20:42  
 Operator : SY/MD  
 Sample : Q1663-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

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\82Y032725S.M  
 Title : SW846 8260

Signal : TIC: VY021706.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         | 4.622       | 463           | 476         | 501          | rVB3     | 34426          | 134475        | 2.19%           | 0.526%        |
| 2         | 7.634       | 960           | 970         | 976          | rBV      | 186732         | 458204        | 7.46%           | 1.791%        |
| 3         | 7.707       | 976           | 982         | 991          | rVB      | 295507         | 673278        | 10.96%          | 2.632%        |
| 4         | 8.073       | 1030          | 1042        | 1056         | rBV3     | 456869         | 1213199       | 19.76%          | 4.743%        |
| 5         | 8.616       | 1122          | 1131        | 1142         | rBV      | 483997         | 942942        | 15.36%          | 3.686%        |
| 6         | 9.109       | 1199          | 1212        | 1219         | rBV2     | 60863          | 138501        | 2.26%           | 0.541%        |
| 7         | 9.890       | 1330          | 1340        | 1351         | rBV4     | 22099          | 67641         | 1.10%           | 0.264%        |
| 8         | 10.000      | 1351          | 1358        | 1368         | rVV2     | 35231          | 67099         | 1.09%           | 0.262%        |
| 9         | 10.103      | 1368          | 1375        | 1381         | rVV      | 800550         | 1395370       | 22.72%          | 5.455%        |
| 10        | 10.170      | 1381          | 1386        | 1396         | rVV      | 865712         | 1436724       | 23.40%          | 5.616%        |
| 11        | 10.298      | 1398          | 1407        | 1414         | rVB      | 76515          | 137870        | 2.25%           | 0.539%        |
| 12        | 11.207      | 1548          | 1556        | 1566         | rVB5     | 35754          | 81827         | 1.33%           | 0.320%        |
| 13        | 11.414      | 1582          | 1590        | 1600         | rBV      | 735184         | 1177580       | 19.18%          | 4.603%        |
| 14        | 11.518      | 1600          | 1607        | 1616         | rBV      | 150611         | 249406        | 4.06%           | 0.975%        |
| 15        | 11.621      | 1616          | 1624        | 1635         | rBV      | 771693         | 1463162       | 23.83%          | 5.720%        |
| 16        | 11.956      | 1667          | 1679        | 1691         | rBV      | 554595         | 991163        | 16.14%          | 3.875%        |
| 17        | 12.408      | 1747          | 1753        | 1758         | rBV      | 553654         | 820283        | 13.36%          | 3.207%        |
| 18        | 12.658      | 1788          | 1794        | 1797         | rBV      | 113480         | 180822        | 2.94%           | 0.707%        |
| 19        | 12.731      | 1802          | 1806        | 1813         | rVB2     | 260952         | 399274        | 6.50%           | 1.561%        |
| 20        | 12.895      | 1826          | 1833        | 1841         | rBV      | 61300          | 134105        | 2.18%           | 0.524%        |
| 21        | 13.042      | 1851          | 1857        | 1862         | rBV      | 325241         | 510092        | 8.31%           | 1.994%        |
| 22        | 13.090      | 1862          | 1865        | 1870         | rVB      | 59601          | 88294         | 1.44%           | 0.345%        |
| 23        | 13.255      | 1885          | 1892        | 1901         | rBV8     | 47797          | 141730        | 2.31%           | 0.554%        |
| 24        | 13.346      | 1901          | 1907        | 1911         | rBV      | 632338         | 1056983       | 17.21%          | 4.132%        |
| 25        | 13.548      | 1935          | 1940        | 1943         | rBV      | 51809          | 75049         | 1.22%           | 0.293%        |
| 26        | 13.584      | 1943          | 1946        | 1954         | rVB3     | 46612          | 72483         | 1.18%           | 0.283%        |
| 27        | 13.676      | 1955          | 1961        | 1964         | rBV      | 115375         | 162633        | 2.65%           | 0.636%        |
| 28        | 13.724      | 1964          | 1969        | 1976         | rVV      | 516010         | 823079        | 13.40%          | 3.218%        |
| 29        | 13.798      | 1976          | 1981        | 1984         | rVV4     | 31457          | 66150         | 1.08%           | 0.259%        |
| 30        | 13.834      | 1984          | 1987        | 1992         | rVV      | 43130          | 70727         | 1.15%           | 0.276%        |
| 31        | 13.889      | 1992          | 1996        | 2001         | rVB2     | 47208          | 72229         | 1.18%           | 0.282%        |
| 32        | 13.999      | 2009          | 2014        | 2017         | rBV2     | 40214          | 63232         | 1.03%           | 0.247%        |
| 33        | 14.255      | 2052          | 2056        | 2060         | rVB      | 48297          | 66684         | 1.09%           | 0.261%        |
| 34        | 14.304      | 2060          | 2064        | 2068         | rVV3     | 47813          | 77265         | 1.26%           | 0.302%        |
| 35        | 14.340      | 2068          | 2070        | 2083         | rVB6     | 26821          | 72665         | 1.18%           | 0.284%        |
| 36        | 14.529      | 2097          | 2101        | 2106         | rVB      | 127312         | 170958        | 2.78%           | 0.668%        |

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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

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\82Y032725S.M

Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 14.590 | 2106 | 2111 | 2117 | rBV3 | 77897   | 166295  | 2.71%   | 0.650%  |
| 38 | 14.663 | 2117 | 2123 | 2128 | rVV3 | 79563   | 158360  | 2.58%   | 0.619%  |
| 39 | 14.749 | 2132 | 2137 | 2142 | rVB  | 94083   | 149388  | 2.43%   | 0.584%  |
| 40 | 15.145 | 2193 | 2202 | 2212 | rBV  | 3804843 | 6140411 | 100.00% | 24.004% |
| 41 | 15.242 | 2212 | 2218 | 2224 | rVB  | 84201   | 172866  | 2.82%   | 0.676%  |
| 42 | 15.340 | 2230 | 2234 | 2242 | rVB  | 212590  | 310749  | 5.06%   | 1.215%  |
| 43 | 15.450 | 2244 | 2252 | 2256 | rBV7 | 24491   | 63971   | 1.04%   | 0.250%  |
| 44 | 15.779 | 2301 | 2306 | 2310 | rBV2 | 39425   | 80236   | 1.31%   | 0.314%  |
| 45 | 15.907 | 2323 | 2327 | 2335 | rVV2 | 60944   | 116557  | 1.90%   | 0.456%  |
| 46 | 15.986 | 2335 | 2340 | 2345 | rVB2 | 51648   | 96139   | 1.57%   | 0.376%  |
| 47 | 16.047 | 2345 | 2350 | 2355 | rBV  | 82190   | 136870  | 2.23%   | 0.535%  |
| 48 | 16.181 | 2365 | 2372 | 2377 | rBV  | 357366  | 679409  | 11.06%  | 2.656%  |
| 49 | 16.248 | 2377 | 2383 | 2389 | rVB  | 509286  | 845739  | 13.77%  | 3.306%  |
| 50 | 16.370 | 2395 | 2403 | 2410 | rBV  | 262893  | 595514  | 9.70%   | 2.328%  |
| 51 | 16.748 | 2459 | 2465 | 2470 | rBV3 | 46664   | 115082  | 1.87%   | 0.450%  |

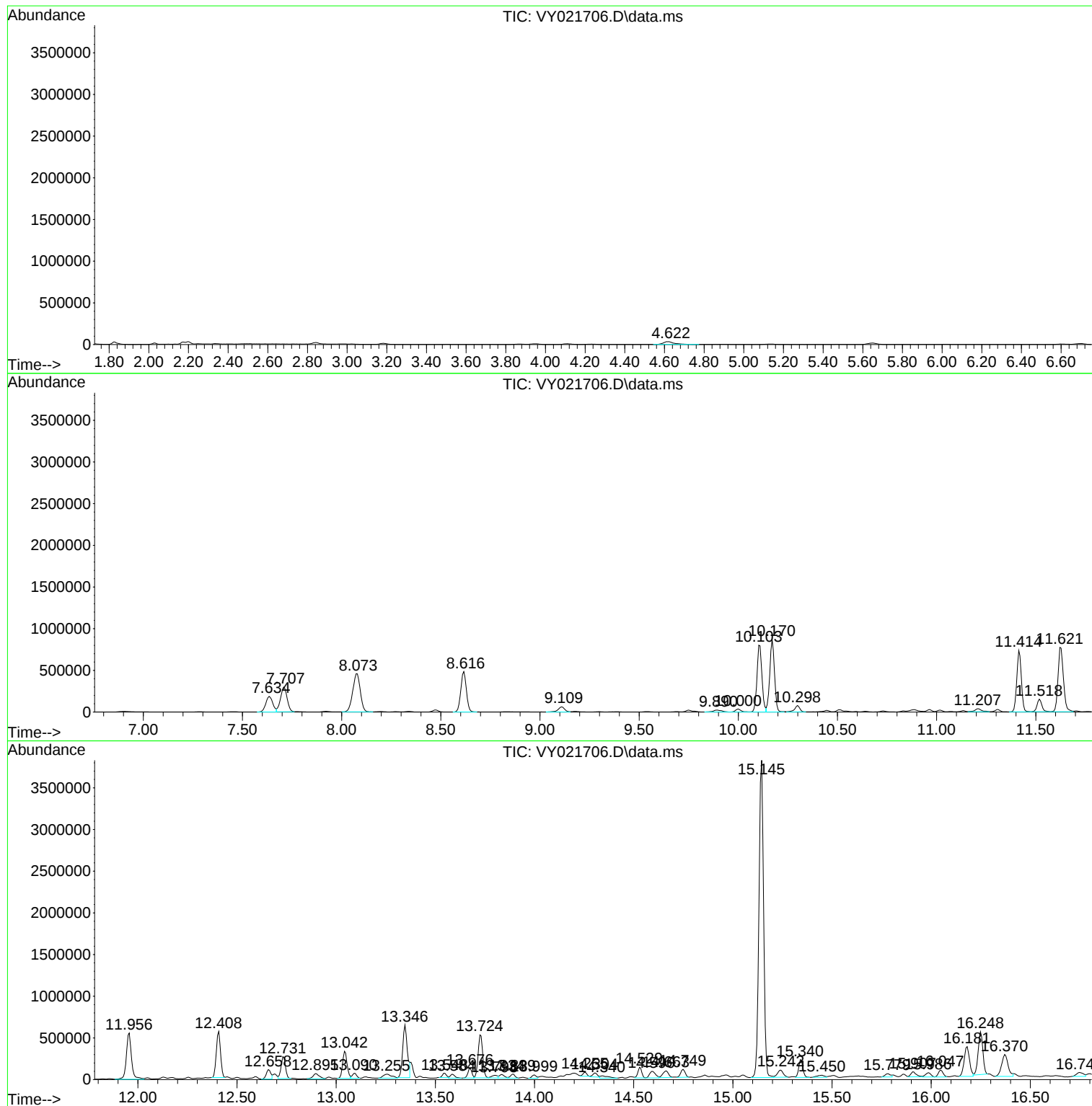
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Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
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Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

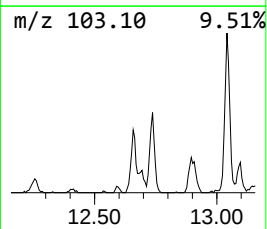
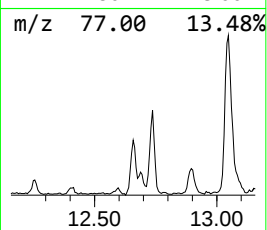
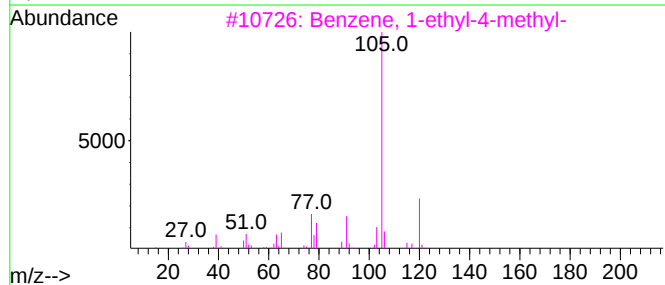
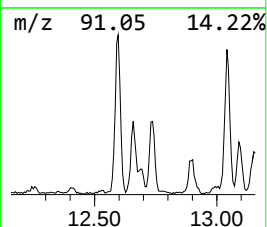
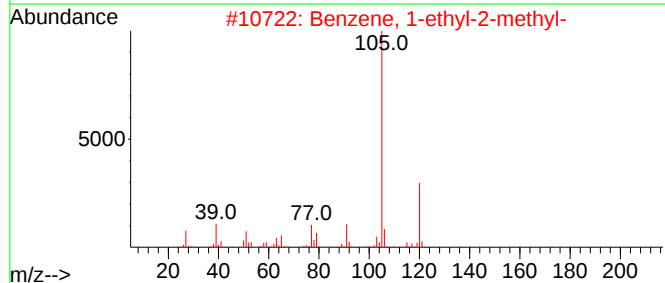
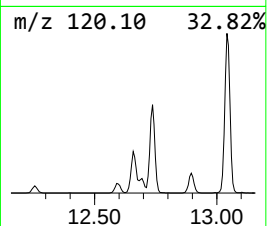
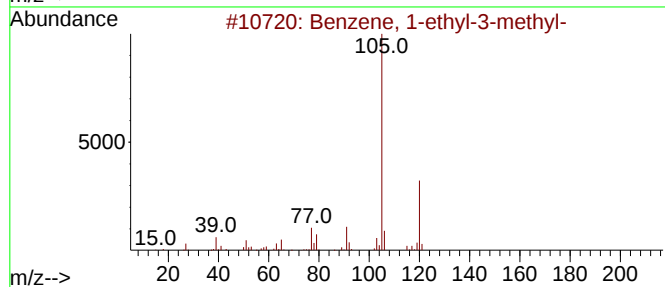
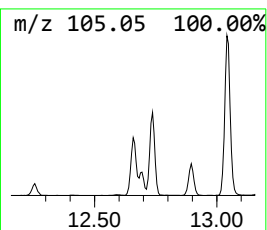
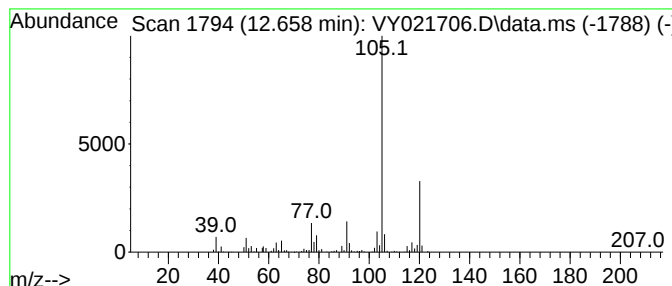
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.658 | 8.55 ug/l | 180822 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



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Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

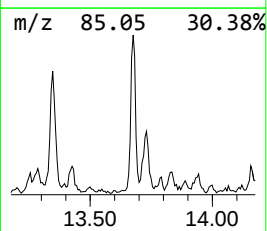
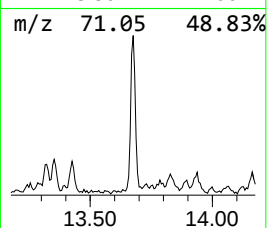
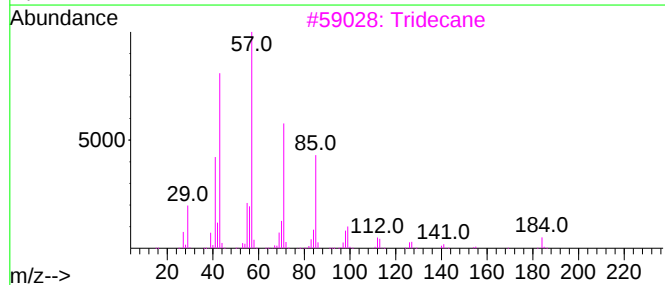
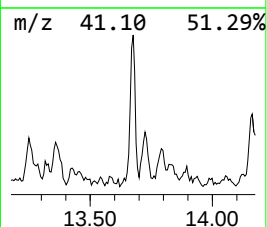
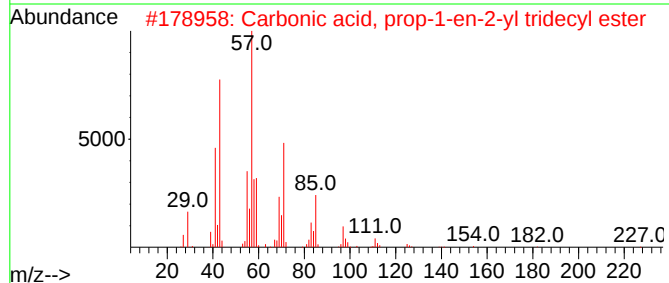
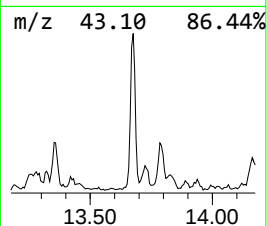
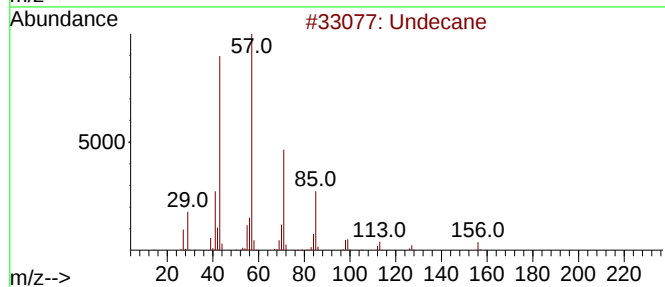
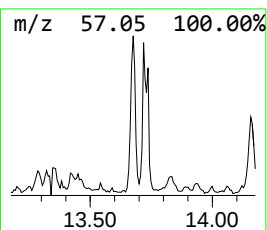
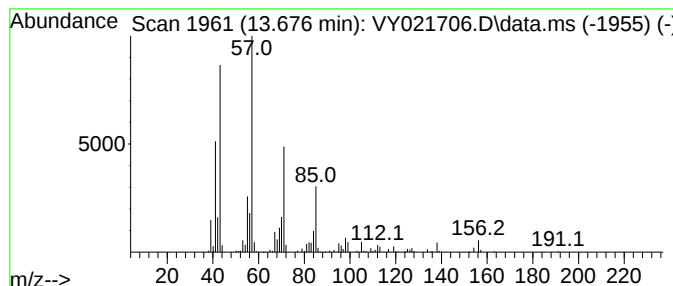
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Undecane Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.676 | 7.69 ug/l | 162633 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                            |   |              | 156 | C11H24   | 001120-21-4  | 83   |
| 2    | Carbonic acid, prop-1-en-2-yl tr... |   |              | 284 | C17H32O3 | 1000382-90-8 | 80   |
| 3    | Tridecane                           |   |              | 184 | C13H28   | 000629-50-5  | 80   |
| 4    | Tetradecane                         |   |              | 198 | C14H30   | 000629-59-4  | 80   |
| 5    | Carbonic acid, nonyl vinyl ester    |   |              | 214 | C12H22O3 | 1000383-25-6 | 64   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

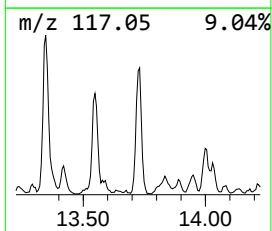
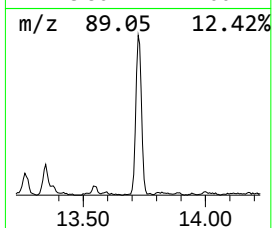
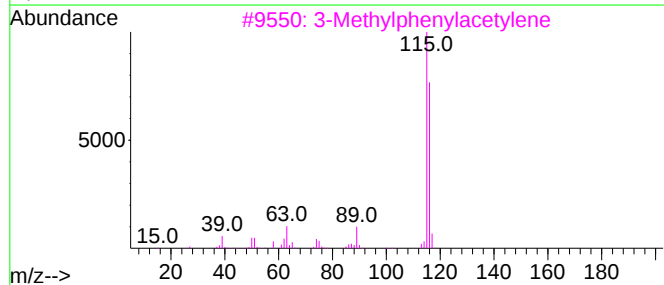
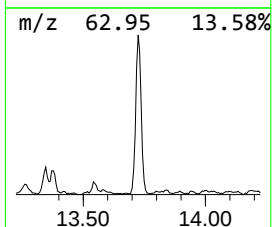
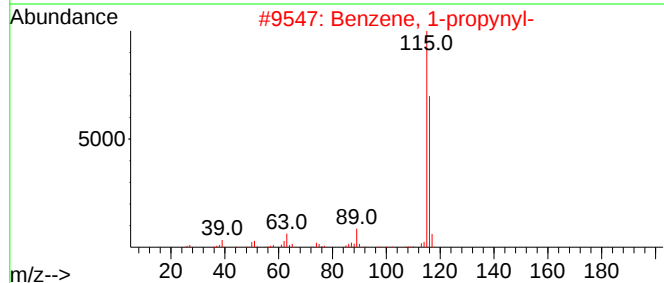
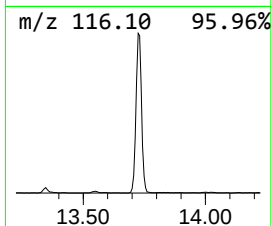
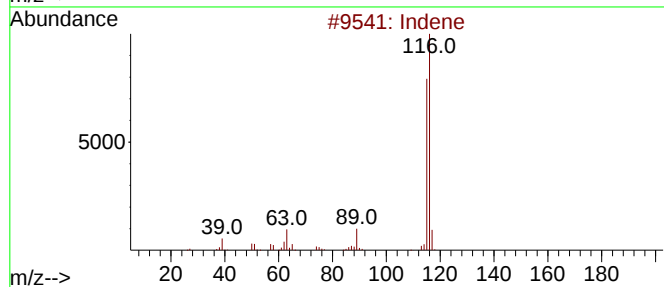
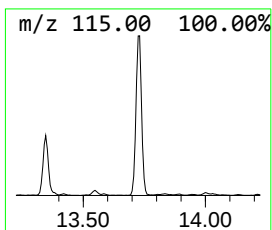
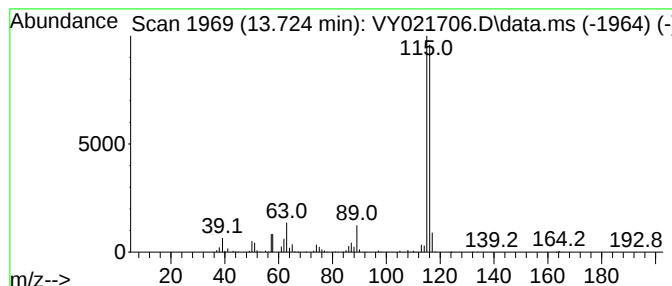
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Indene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.725 | 38.94 ug/l | 823079 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 97   |
| 2    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 94   |
| 3    |    |   | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 91   |
| 4    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 91   |
| 5    |    |   | 2-Methylphenylacetylene      | 116 | C9H8    | 000766-47-2 | 90   |



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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

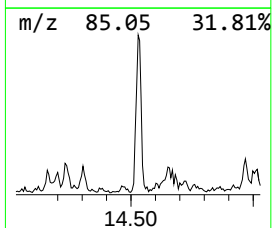
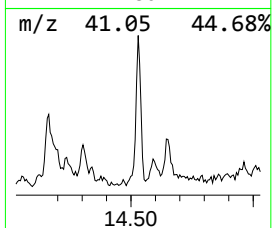
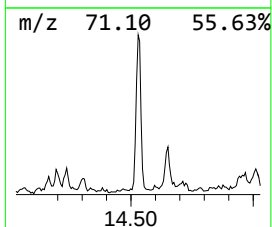
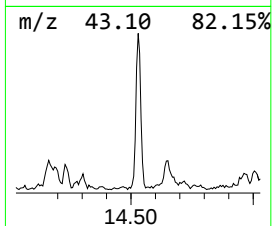
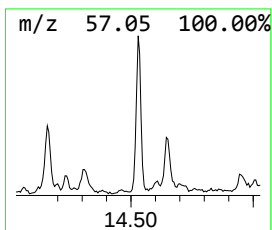
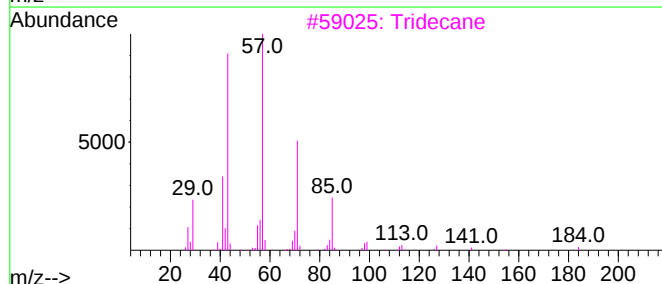
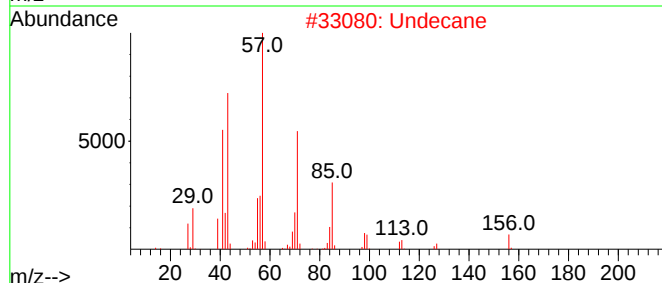
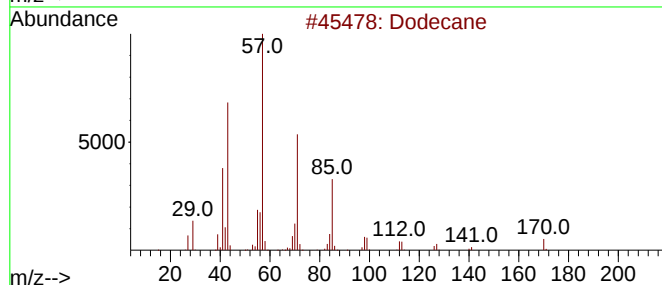
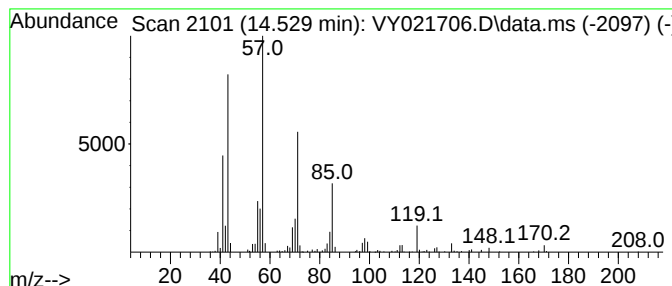
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Dodecane Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.529 | 8.09 ug/l | 170958 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 94   |
| 2    |    |   | Undecane     | 156 | C11H24  | 001120-21-4 | 80   |
| 3    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 72   |
| 4    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 64   |
| 5    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

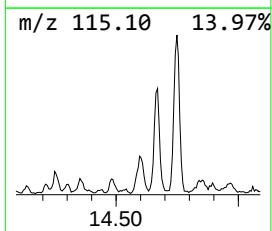
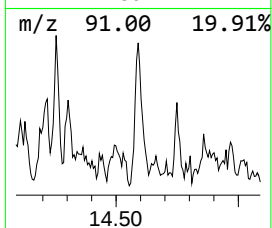
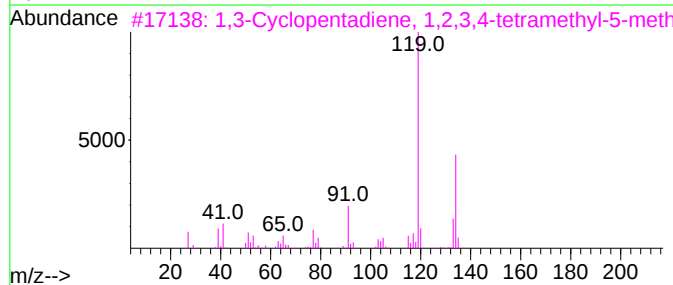
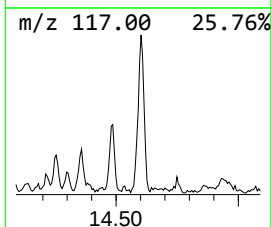
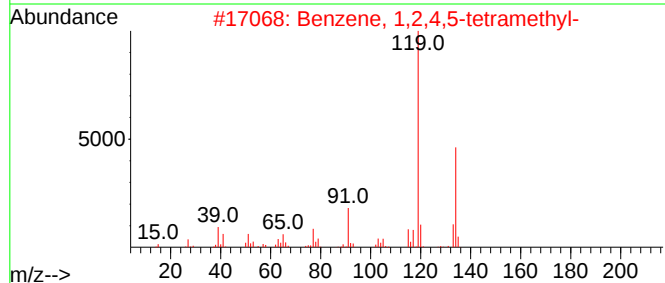
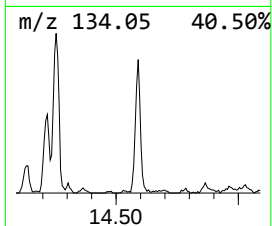
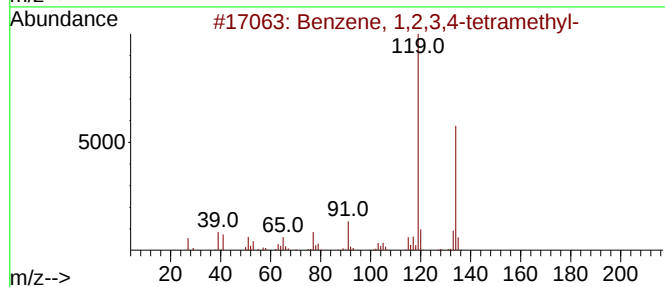
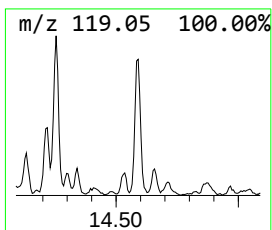
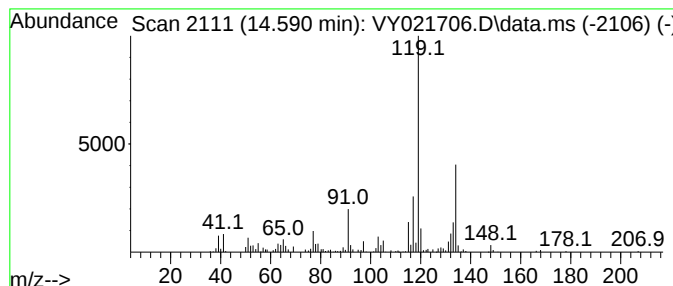
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.590 | 7.87 ug/l | 166295 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 87   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 87   |
| 3    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 87   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 87   |
| 5    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

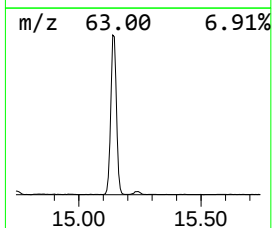
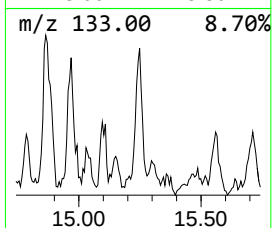
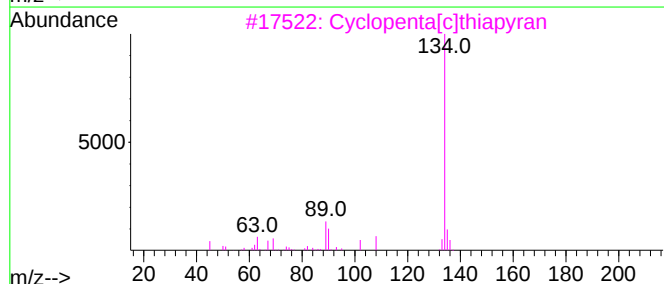
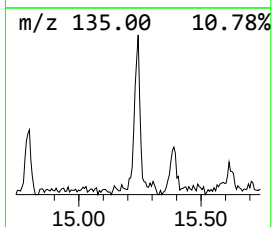
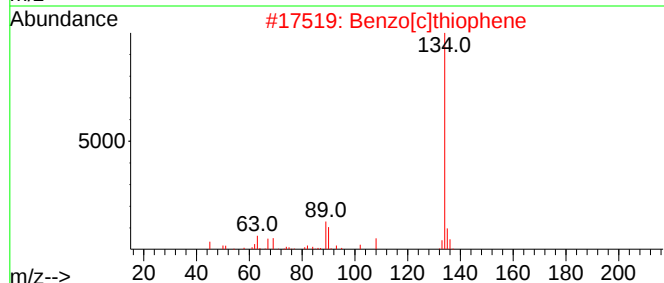
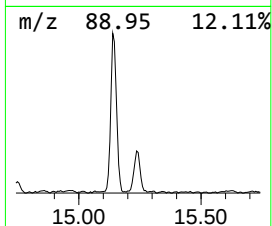
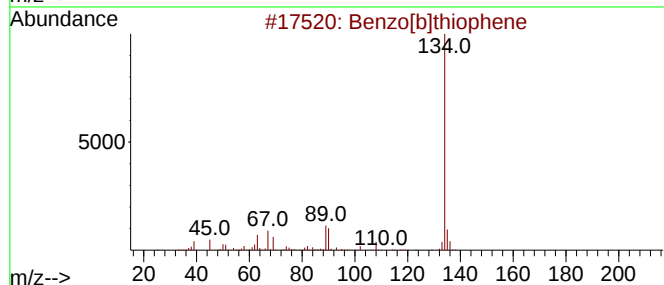
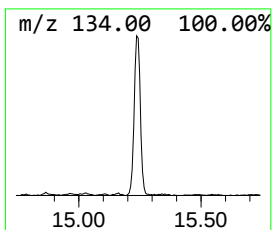
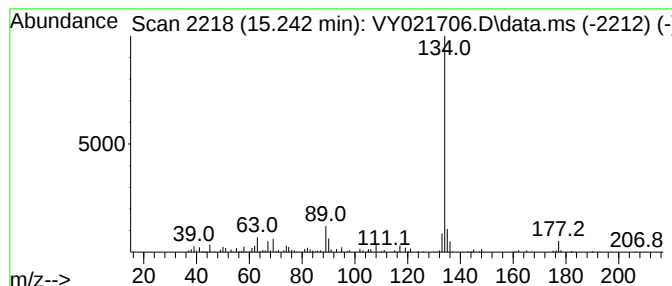
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Quant Title : SW846 8260

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

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Peak Number 6 Benzo[b]thiophene Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.243 | 8.18 ug/l | 172866 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]thiophene            | 134 | C8H6S   | 000095-15-8 | 83   |
| 2    |    |   | Benzo[c]thiophene            | 134 | C8H6S   | 000270-82-6 | 80   |
| 3    |    |   | Cyclopenta[c]thiapyran       | 134 | C8H6S   | 000270-63-3 | 80   |
| 4    |    |   | 3-Deazaadenine               | 134 | C6H6N4  | 006811-77-4 | 64   |
| 5    |    |   | Thiazole, 2-methyl-4-phenyl- | 175 | C10H9NS | 001826-16-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

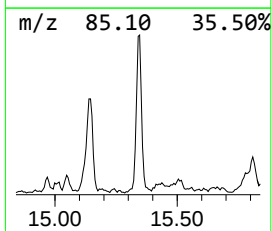
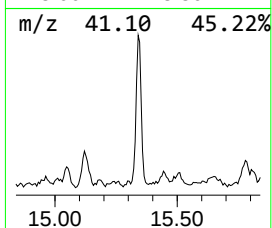
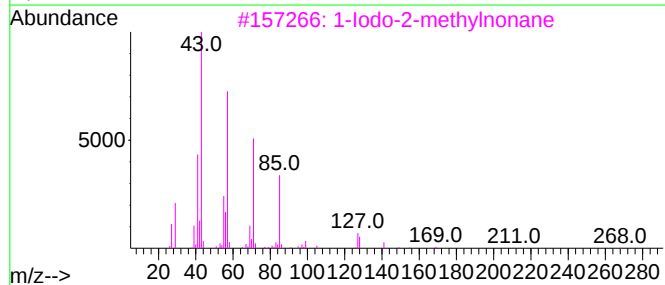
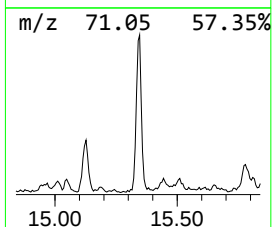
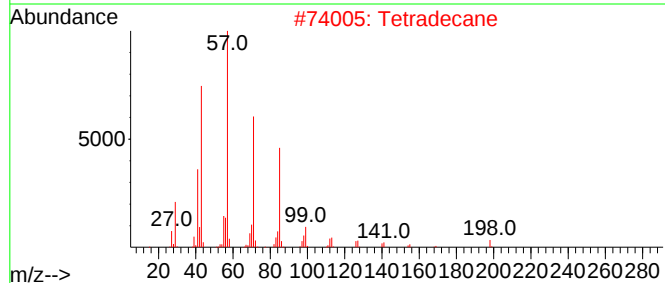
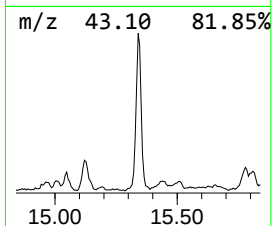
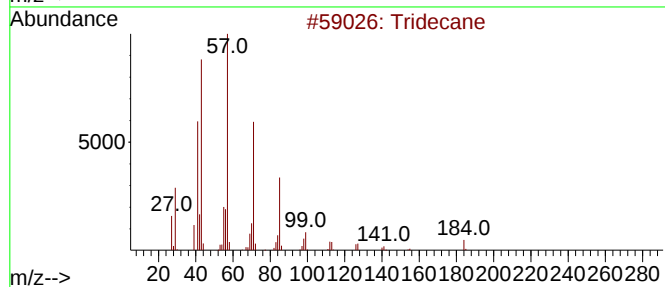
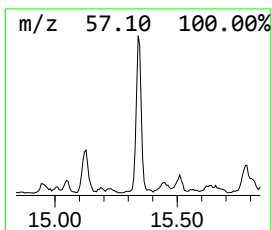
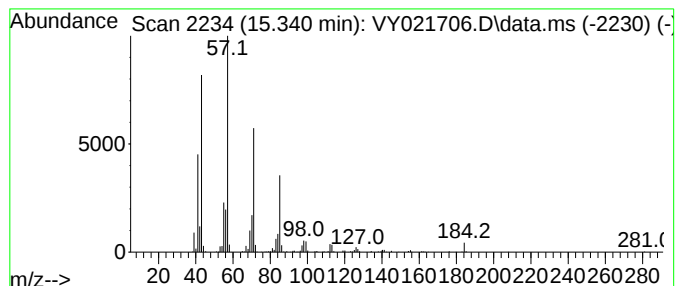
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tridecane Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.340 | 14.70 ug/l | 310749 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------|-----|---------|--------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5  | 94   |
| 2    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4  | 72   |
| 3    |    |   | 1-Iodo-2-methylnonane    | 268 | C10H21I | 1000101-47-9 | 64   |
| 4    |    |   | Decane, 2,3,8-trimethyl- | 184 | C13H28  | 062238-14-6  | 53   |
| 5    |    |   | Eicosane                 | 282 | C20H42  | 000112-95-8  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

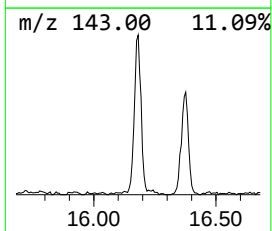
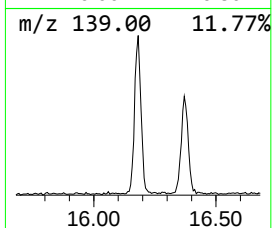
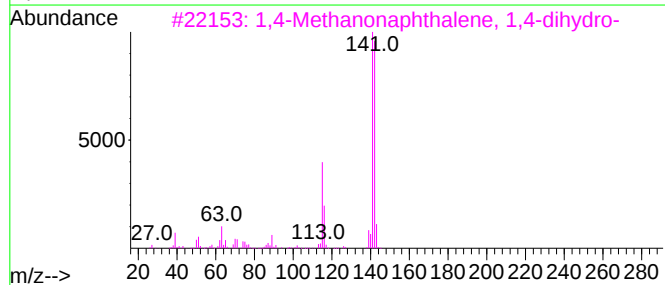
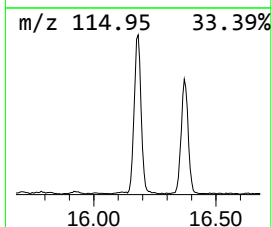
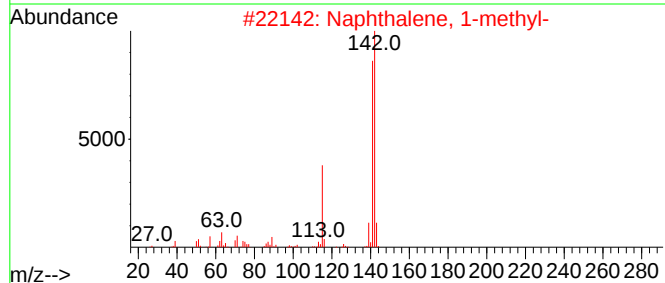
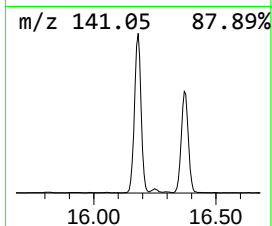
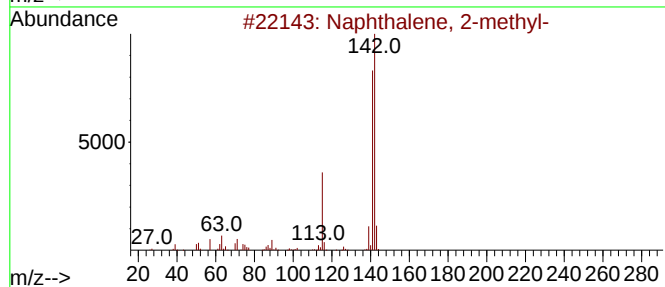
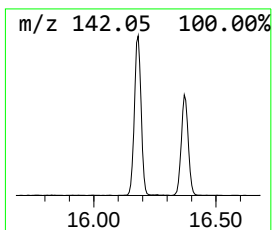
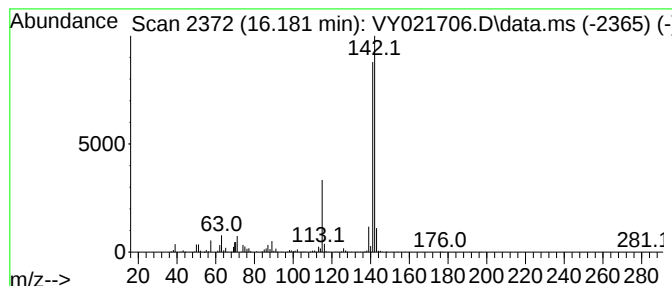
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Quant Title : SW846 8260

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

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Peak Number 8 Naphthalene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.181 | 32.14 ug/l | 679409 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 93   |
| 4    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 91   |
| 5    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

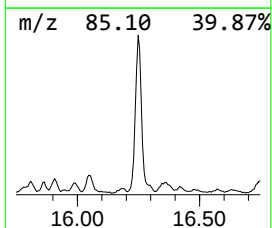
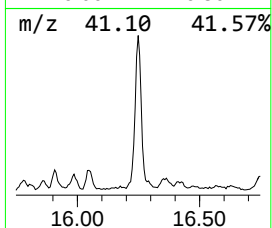
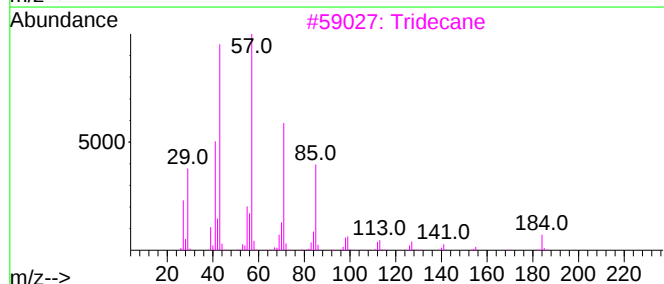
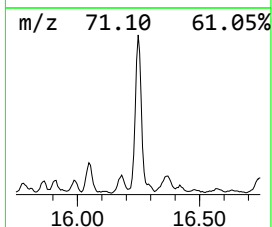
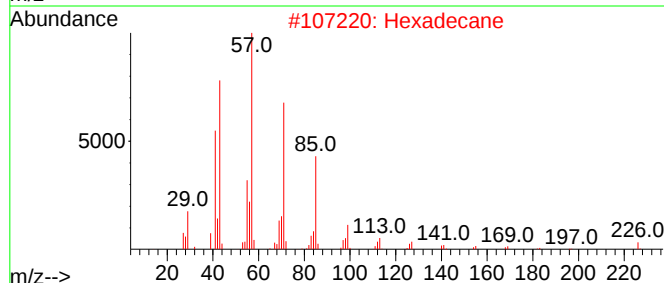
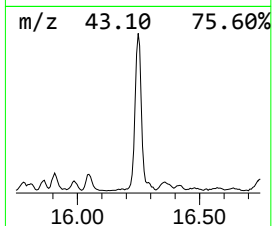
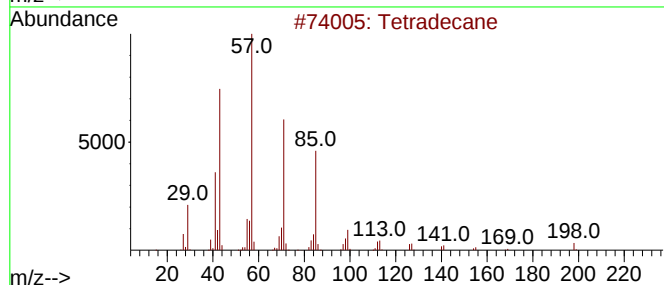
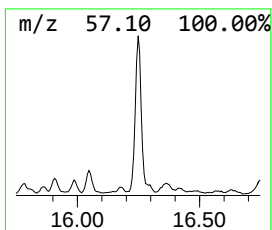
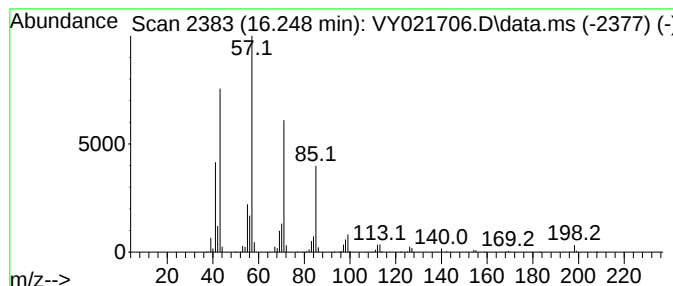
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Tetradecane Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.248 | 40.01 ug/l | 845739 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 93   |
| 2    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 91   |
| 3    |    |   | Tridecane                          | 184 | C13H28   | 000629-50-5  | 90   |
| 4    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 78   |
| 5    |    |   | Tetradecane, 1-iodo-               | 324 | C14H29I  | 019218-94-1  | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

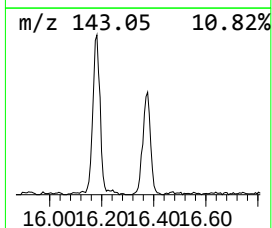
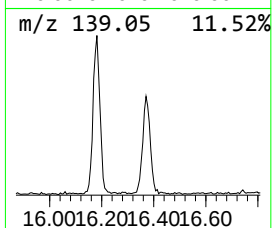
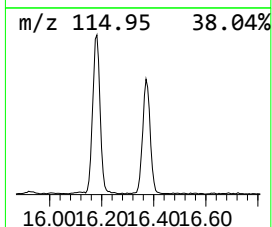
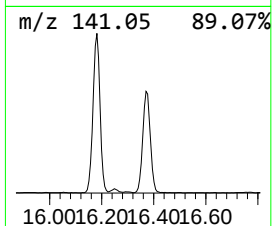
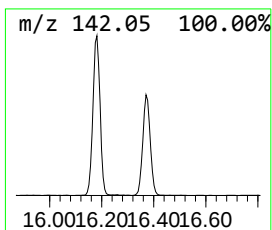
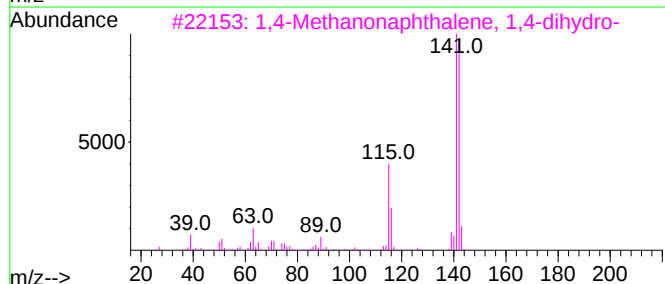
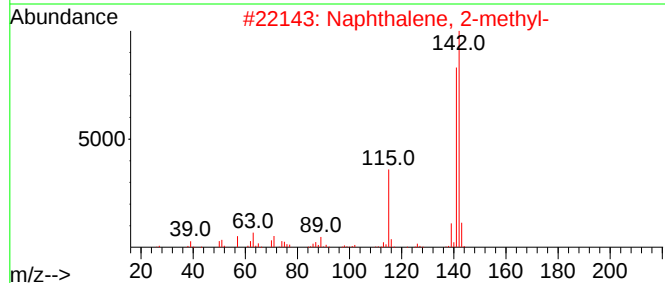
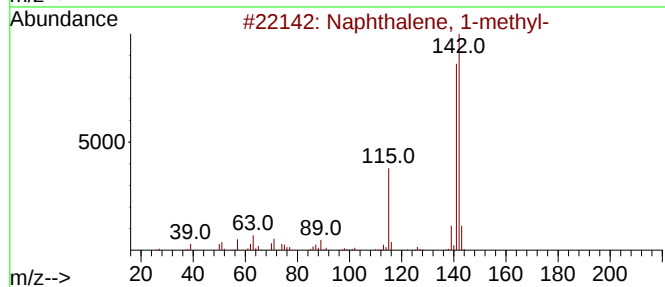
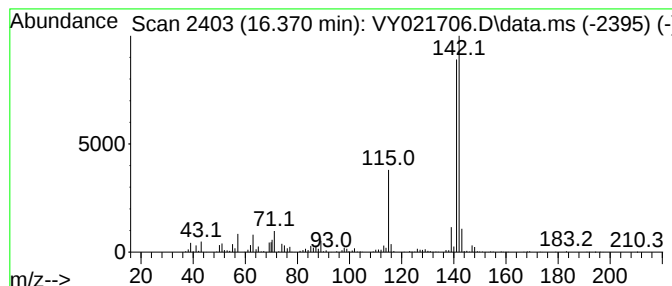
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.370 | 28.17 ug/l | 595514 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 93   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
Data File : VY021706.D  
Acq On : 28 Mar 2025 20:42  
Operator : SY/MD  
Sample : Q1663-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.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... | 12.658 | 8.6     | ug/l  | 180822   | 4                     | 13.347 | 1056980 | 50.0 |
| Undecane           | 13.676 | 7.7     | ug/l  | 162633   | 4                     | 13.347 | 1056980 | 50.0 |
| Indene             | 13.725 | 38.9    | ug/l  | 823079   | 4                     | 13.347 | 1056980 | 50.0 |
| Dodecane           | 14.529 | 8.1     | ug/l  | 170958   | 4                     | 13.347 | 1056980 | 50.0 |
| Benzene, 1,2,3,... | 14.590 | 7.9     | ug/l  | 166295   | 4                     | 13.347 | 1056980 | 50.0 |
| Benzo[b]thiophene  | 15.243 | 8.2     | ug/l  | 172866   | 4                     | 13.347 | 1056980 | 50.0 |
| Tridecane          | 15.340 | 14.7    | ug/l  | 310749   | 4                     | 13.347 | 1056980 | 50.0 |
| Naphthalene, 2-... | 16.181 | 32.1    | ug/l  | 679409   | 4                     | 13.347 | 1056980 | 50.0 |
| Tetradecane        | 16.248 | 40.0    | ug/l  | 845739   | 4                     | 13.347 | 1056980 | 50.0 |
| Naphthalene, 1-... | 16.370 | 28.2    | ug/l  | 595514   | 4                     | 13.347 | 1056980 | 50.0 |