

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101424\  
 Data File : VX043383.D  
 Acq On : 14 Oct 2024 16:03  
 Operator : JC/MD  
 Sample : P4402-01 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1 - Drum

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\_X\Method\82X100124W.M

Title : SW846 8260

Signal : TIC: VX043383.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         | 5.385       | 693           | 705         | 721          | rBV2     | 57446          | 173402        | 1.11%           | 0.825%        |
| 2         | 5.550       | 721           | 732         | 751          | rVB      | 95778          | 276516        | 1.77%           | 1.316%        |
| 3         | 5.952       | 787           | 798         | 815          | rBV      | 69000          | 188694        | 1.21%           | 0.898%        |
| 4         | 6.757       | 921           | 930         | 941          | rBV      | 158537         | 377527        | 2.42%           | 1.797%        |
| 5         | 6.873       | 941           | 949         | 962          | rVB      | 101505         | 245905        | 1.58%           | 1.171%        |
| 6         | 7.208       | 995           | 1004        | 1024         | rBV      | 72937          | 172117        | 1.10%           | 0.819%        |
| 7         | 8.647       | 1232          | 1240        | 1257         | rBV      | 320587         | 512959        | 3.29%           | 2.442%        |
| 8         | 8.994       | 1291          | 1297        | 1312         | rBV      | 288812         | 422823        | 2.71%           | 2.013%        |
| 9         | 9.159       | 1318          | 1324        | 1336         | rBV      | 121784         | 176809        | 1.13%           | 0.842%        |
| 10        | 10.055      | 1465          | 1471        | 1488         | rBV      | 294007         | 428721        | 2.75%           | 2.041%        |
| 11        | 10.939      | 1611          | 1616        | 1625         | rVB      | 262062         | 363566        | 2.33%           | 1.731%        |
| 12        | 11.079      | 1634          | 1639        | 1646         | rBV      | 246817         | 332311        | 2.13%           | 1.582%        |
| 13        | 11.512      | 1707          | 1710        | 1722         | rVB      | 265798         | 315615        | 2.02%           | 1.502%        |
| 14        | 11.884      | 1763          | 1771        | 1777         | rBV2     | 137046         | 220396        | 1.41%           | 1.049%        |
| 15        | 11.975      | 1780          | 1786        | 1790         | rVV      | 12383178       | 15596889      | 100.00%         | 74.243%       |
| 16        | 12.012      | 1790          | 1792        | 1801         | rVV2     | 562783         | 848885        | 5.44%           | 4.041%        |
| 17        | 12.238      | 1821          | 1829        | 1837         | rBV2     | 231581         | 354861        | 2.28%           | 1.689%        |

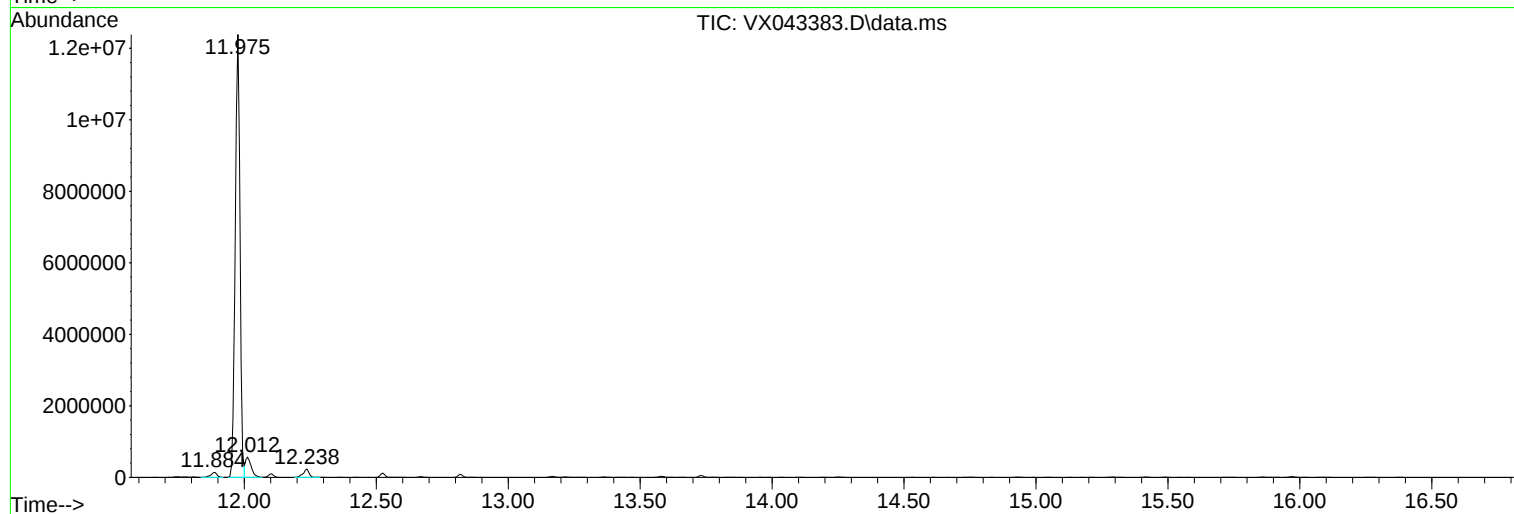
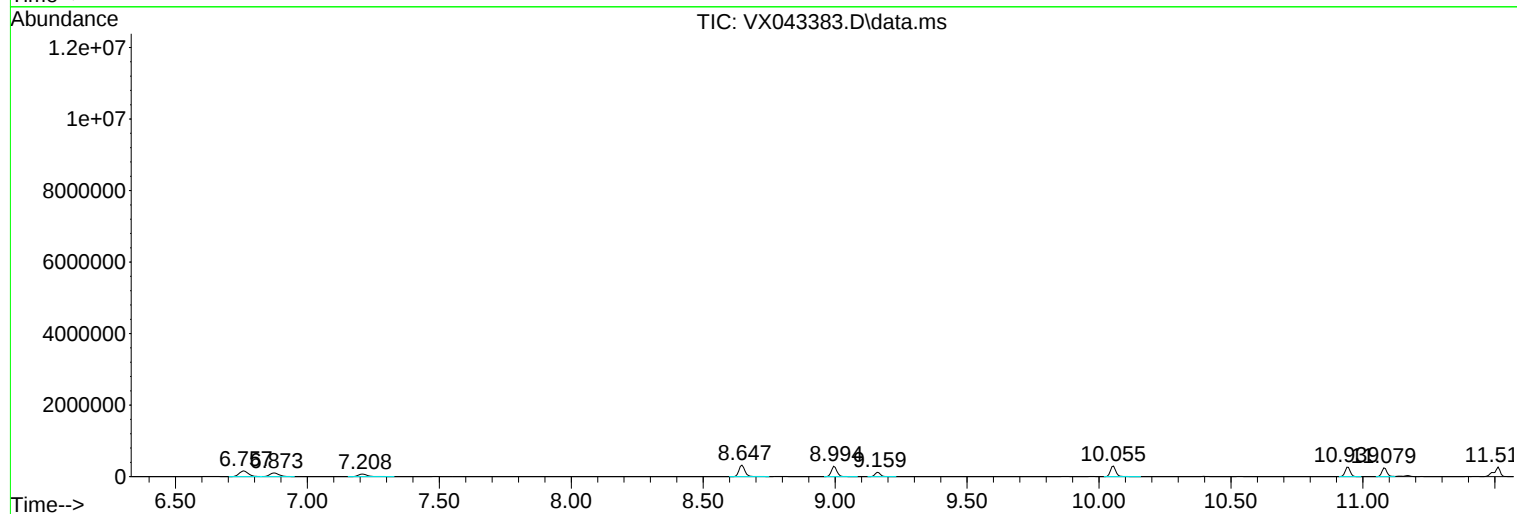
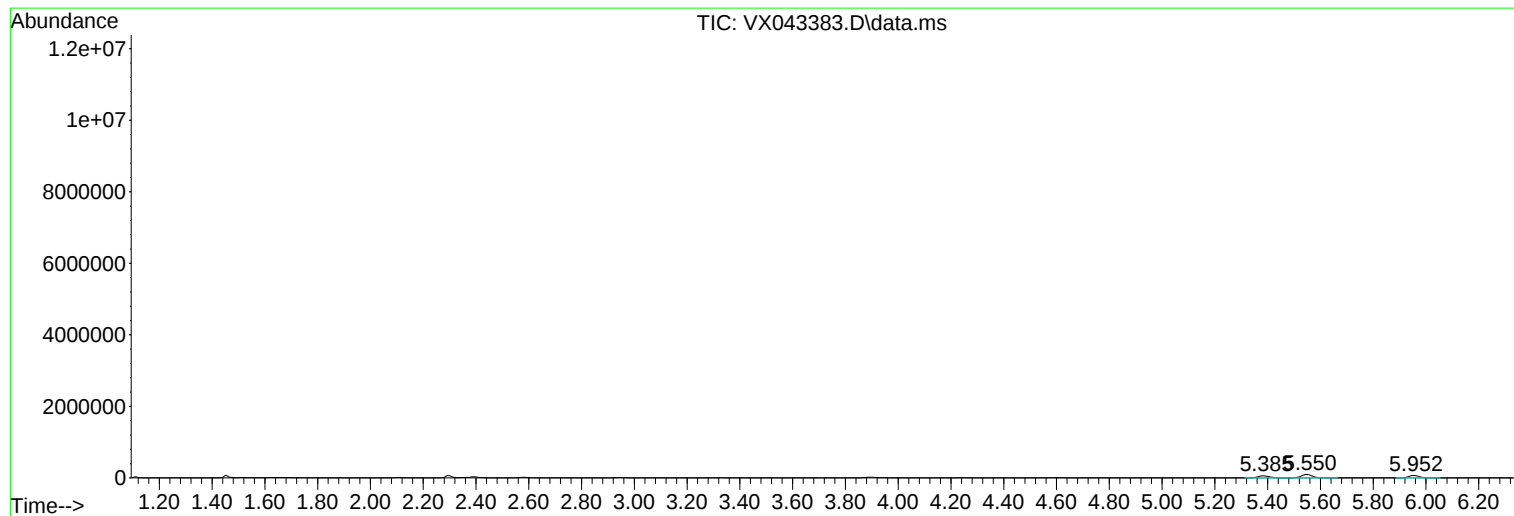
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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.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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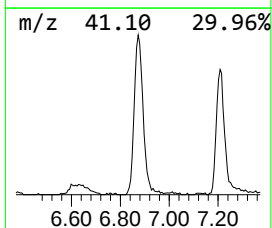
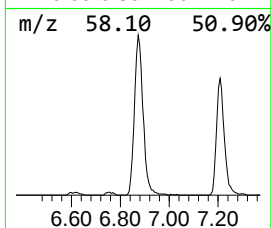
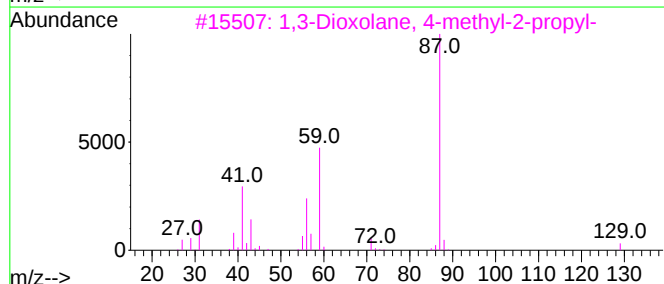
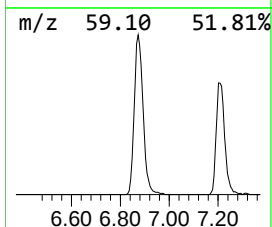
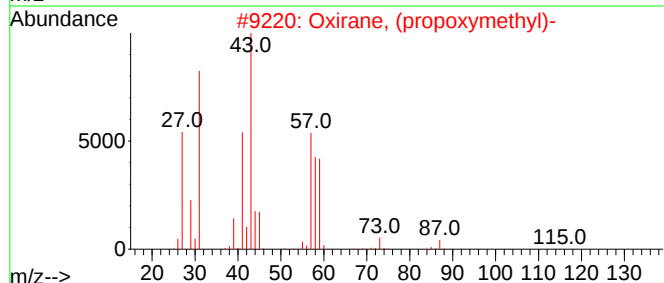
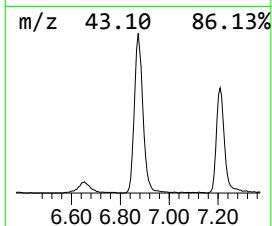
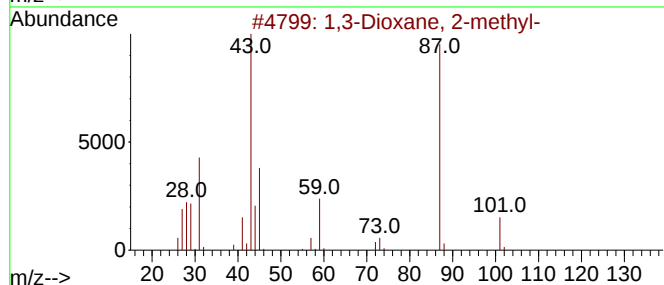
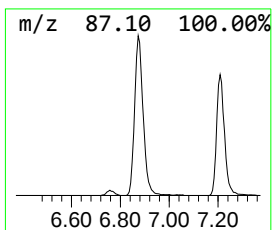
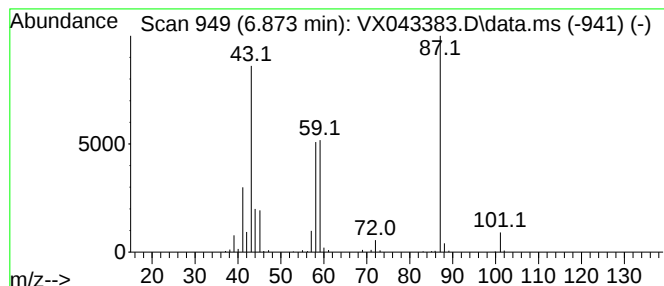
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

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

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Peak Number 1 1,3-Dioxane, 2-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 6.873 | 32.57 ug/l | 245905 | 1,4-Difluorobenzene | 6.757 |

| Hit# | of                                | 5 | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|-----------------------------------|---|--------------|-----|---------|--------------|------|
| 1    | 1,3-Dioxane, 2-methyl-            |   |              | 102 | C5H10O2 | 000626-68-6  | 50   |
| 2    | Oxirane, (propoxymethyl)-         |   |              | 116 | C6H12O2 | 003126-95-2  | 37   |
| 3    | 1,3-Dioxolane, 4-methyl-2-propyl- |   |              | 130 | C7H14O2 | 004352-99-2  | 37   |
| 4    | Monomethyl malonate               |   |              | 118 | C4H6O4  | 016695-14-0  | 33   |
| 5    | 2-(2-Methoxyethoxy)ethyl acetate  |   |              | 162 | C7H14O4 | 1000351-95-4 | 28   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

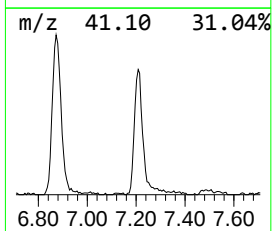
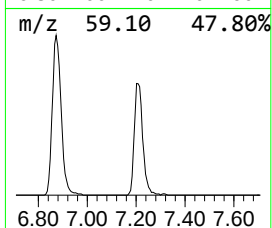
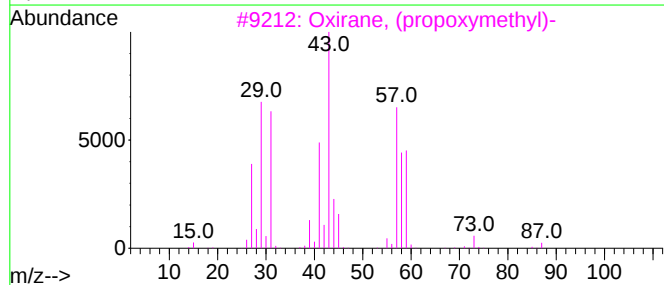
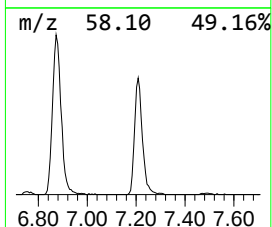
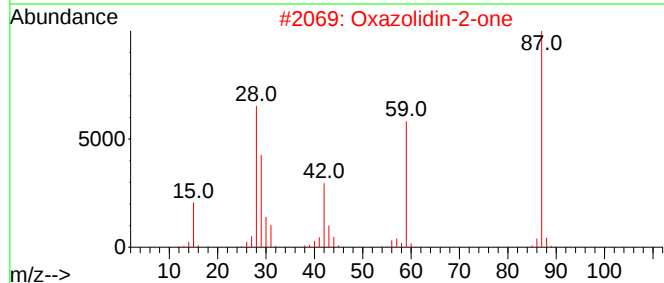
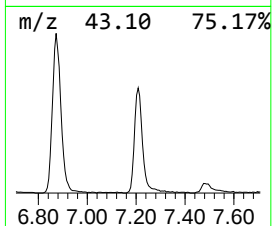
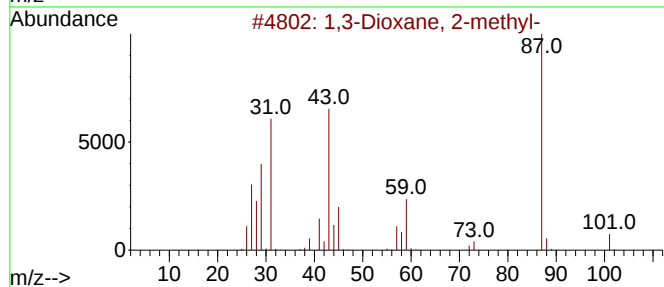
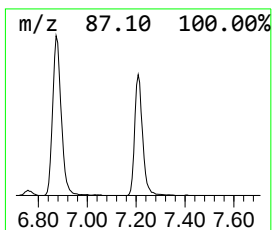
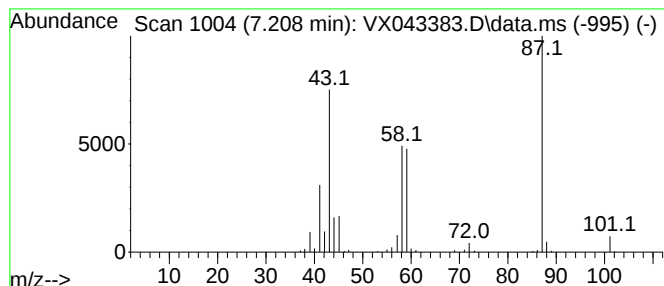
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.208 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 7.208 | 22.80 ug/l | 172117 | 1,4-Difluorobenzene | 6.757 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,3-Dioxane, 2-methyl-              | 102 | C5H10O2 | 000626-68-6 | 47   |
| 2    |    |   | Oxazolidin-2-one                    | 87  | C3H5NO2 | 000497-25-6 | 47   |
| 3    |    |   | Oxirane, (propoxymethyl)-           | 116 | C6H12O2 | 003126-95-2 | 43   |
| 4    |    |   | 1,3-Dioxolane, 4-methyl-2-propyl-   | 130 | C7H14O2 | 004352-99-2 | 38   |
| 5    |    |   | 1,3-Dioxolane, 4-methyl-2-(2-met... | 144 | C8H16O2 | 018433-93-7 | 38   |



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Sample : P4402-01 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

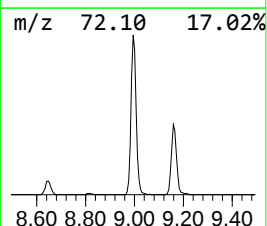
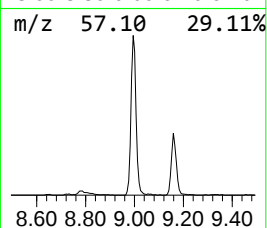
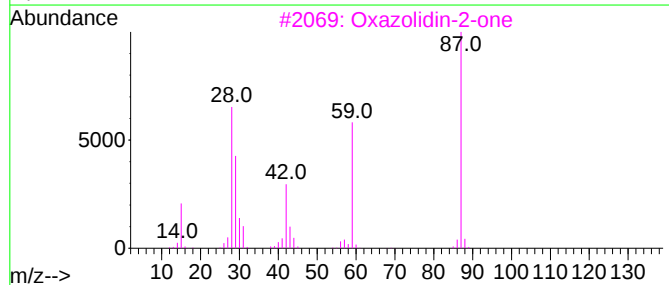
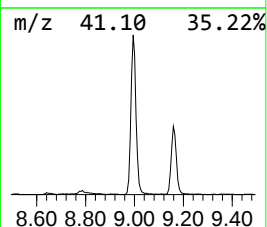
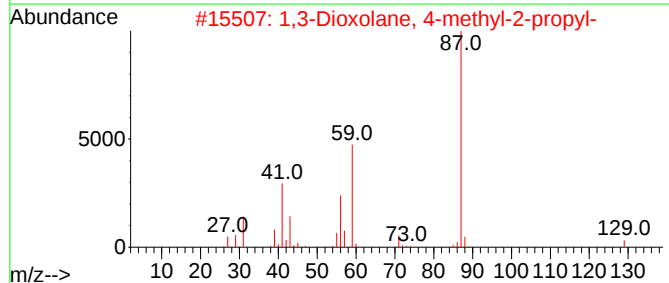
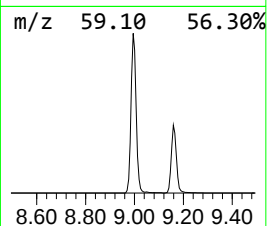
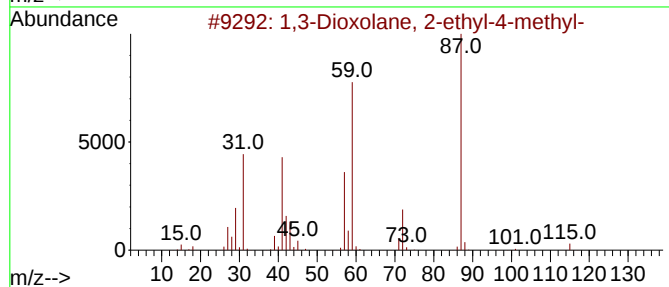
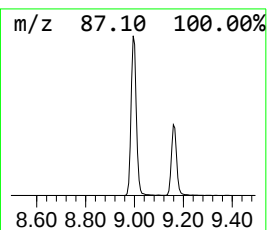
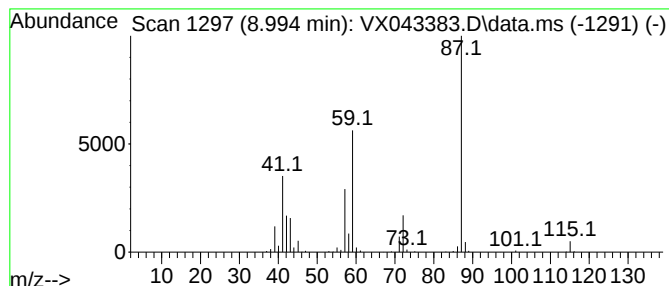
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

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

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Peak Number 3 1,3-Dioxolane, 2-ethyl-4-me... Concentration Rank 1

| R.T.      | EstConc                           | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------------------|--------|------------------|---------|-------------|------|
| 8.994     | 49.31 ug/l                        | 422823 | Chlorobenzene-d5 |         | 10.055      |      |
| Hit# of 5 | Tentative ID                      |        | MW               | MolForm | CAS#        | Qual |
| 1         | 1,3-Dioxolane, 2-ethyl-4-methyl-  |        | 116              | C6H12O2 | 004359-46-0 | 90   |
| 2         | 1,3-Dioxolane, 4-methyl-2-propyl- |        | 130              | C7H14O2 | 004352-99-2 | 72   |
| 3         | Oxazolidin-2-one                  |        | 87               | C3H5NO2 | 000497-25-6 | 72   |
| 4         | 2-Propanone, O-methyloxime        |        | 87               | C4H9NO  | 003376-35-0 | 52   |
| 5         | Acetamide, N-ethyl-               |        | 87               | C4H9NO  | 000625-50-3 | 50   |



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Sample : P4402-01 50X  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

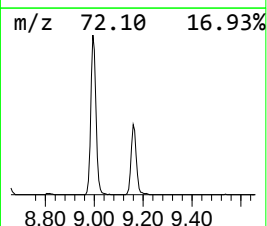
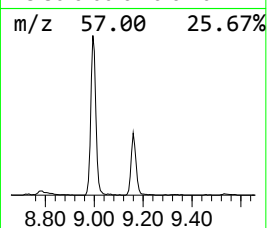
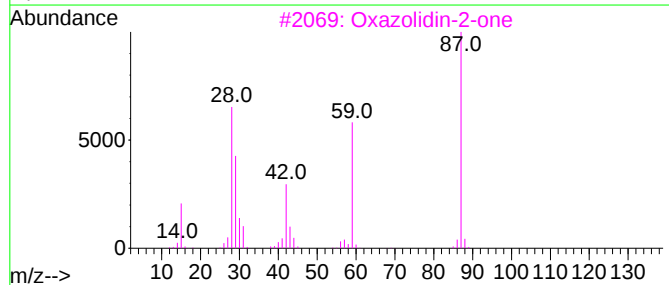
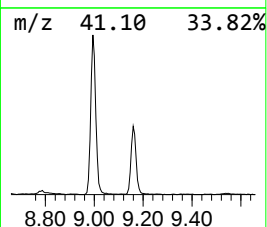
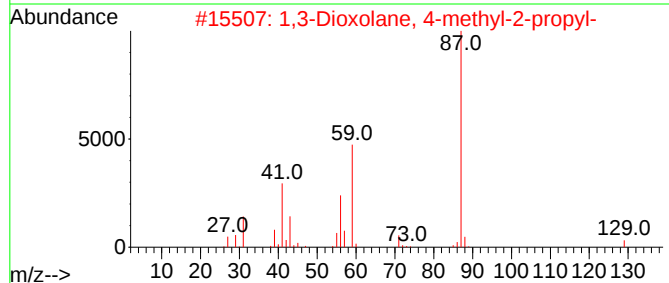
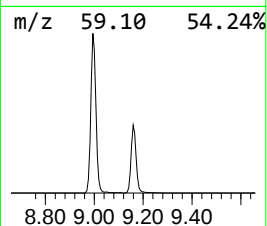
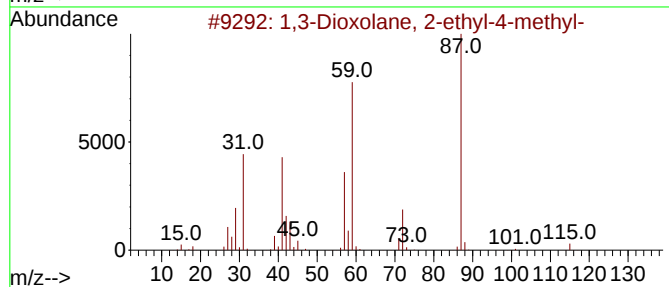
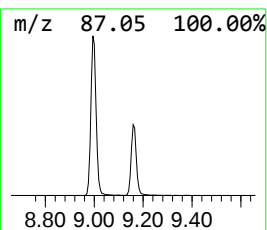
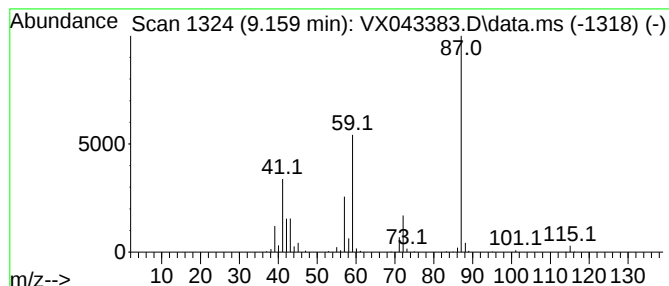
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1,3-Dioxolane, 4-methyl-2-p... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.159 | 20.62 ug/l | 176809 | Chlorobenzene-d5 | 10.055 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,3-Dioxolane, 2-ethyl-4-methyl-  | 116 | C6H12O2 | 004359-46-0 | 90   |
| 2    |    |   | 1,3-Dioxolane, 4-methyl-2-propyl- | 130 | C7H14O2 | 004352-99-2 | 72   |
| 3    |    |   | Oxazolidin-2-one                  | 87  | C3H5NO2 | 000497-25-6 | 56   |
| 4    |    |   | 2-Propanone, O-methyloxime        | 87  | C4H9NO  | 003376-35-0 | 52   |
| 5    |    |   | Thiocyanic acid, ethyl ester      | 87  | C3H5NS  | 000542-90-5 | 50   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

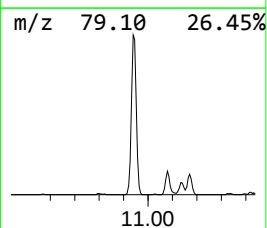
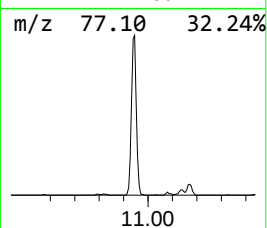
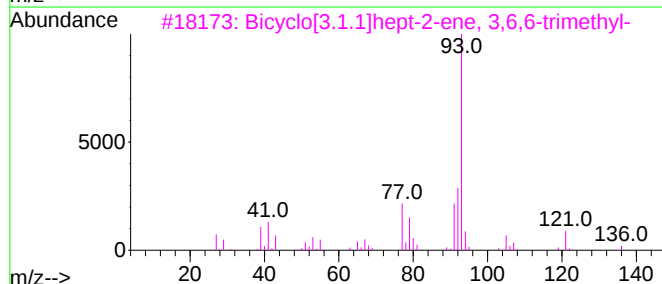
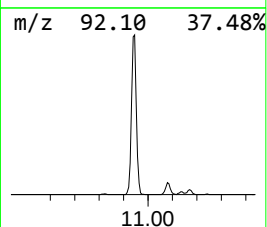
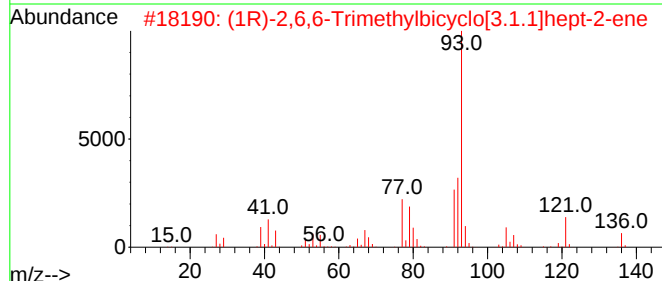
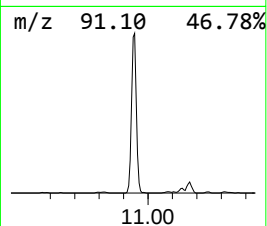
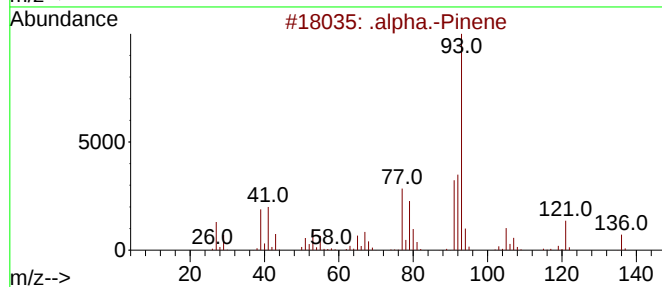
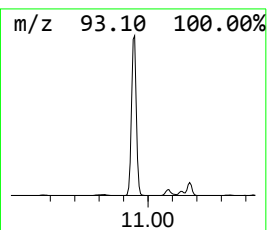
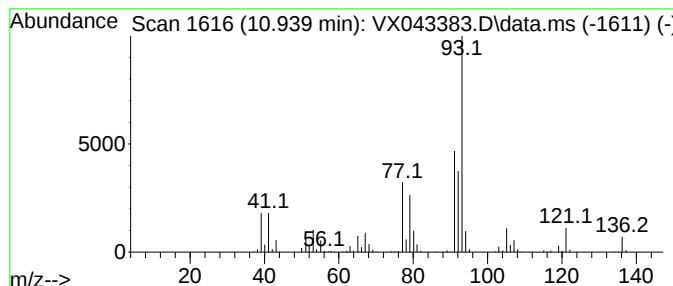
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 .alpha.-Pinene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 10.939 | 42.40 ug/l | 363566 | Chlorobenzene-d5 | 10.055 |

| Hit# | of | 5 | Tentative ID                                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | .alpha.-Pinene                               | 136 | C10H16  | 000080-56-8 | 96   |
| 2    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136 | C10H16  | 007785-70-8 | 94   |
| 3    |    |   | Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-   | 136 | C10H16  | 004889-83-2 | 91   |
| 4    |    |   | (1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene | 136 | C10H16  | 007785-26-4 | 91   |
| 5    |    |   | (+)-3-Carene                                 | 136 | C10H16  | 000498-15-7 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101424\  
Data File : VX043383.D  
Acq On : 14 Oct 2024 16:03  
Operator : JC/MD  
Sample : P4402-01 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

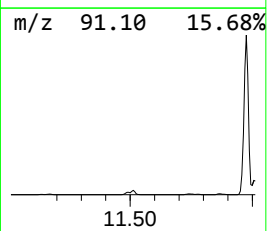
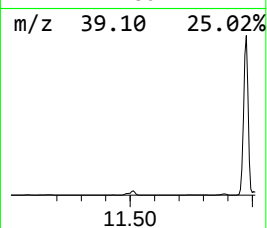
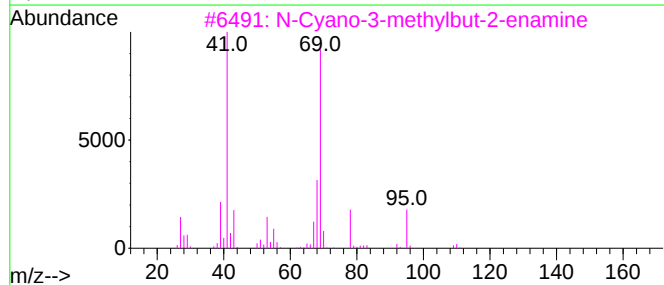
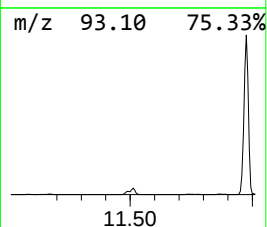
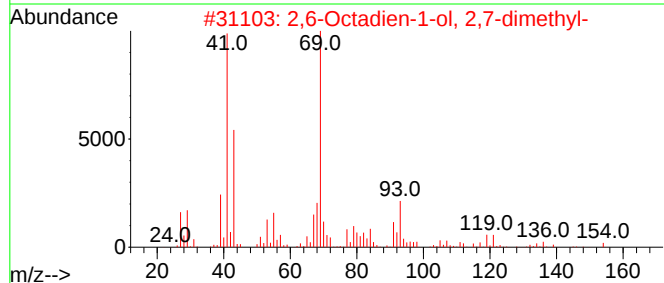
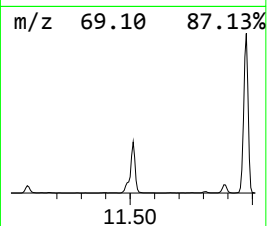
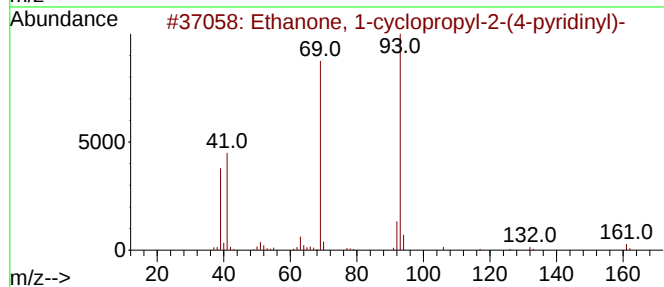
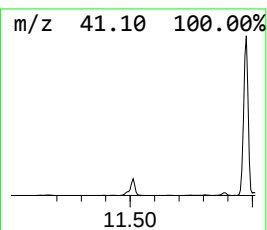
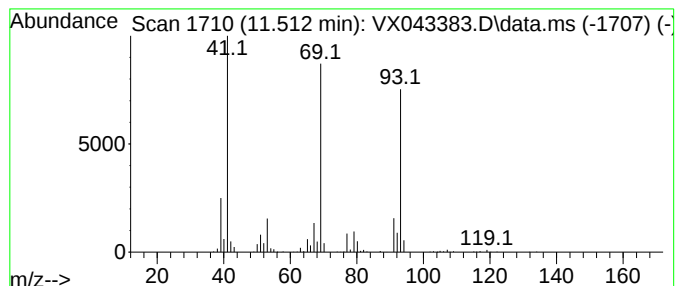
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Quant Title : SW846 8260

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

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Peak Number 6 Ethanone, 1-cyclopropyl-2-(... Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 11.512 | 18.59 ug/l | 315615 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanone, 1-cyclopropyl-2-(4-pyr... | 161 | C10H11NO | 006580-95-6 | 50   |
| 2    |    |   | 2,6-Octadien-1-ol, 2,7-dimethyl-    | 154 | C10H18O  | 022410-74-8 | 38   |
| 3    |    |   | N-Cyano-3-methylbut-2-enamine       | 110 | C6H10N2  | 146072-39-1 | 23   |
| 4    |    |   | Cyclopentanecarboxaldehyde          | 98  | C6H10O   | 000872-53-7 | 23   |
| 5    |    |   | 3-Methyl-3-nitrobut-1-ene           | 115 | C5H9NO2  | 001809-67-2 | 23   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101424\  
Data File : VX043383.D  
Acq On : 14 Oct 2024 16:03  
Operator : JC/MD  
Sample : P4402-01 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

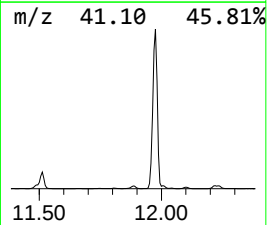
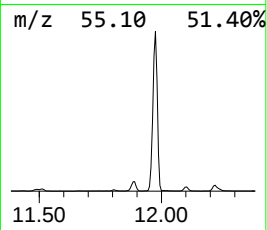
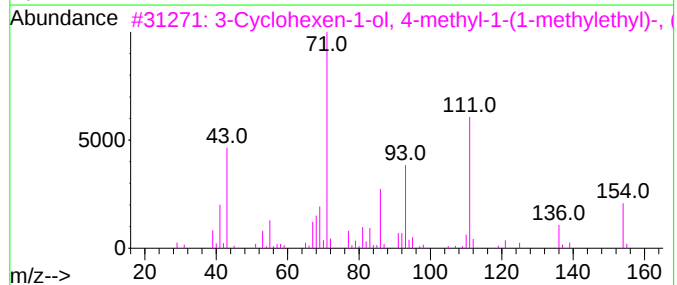
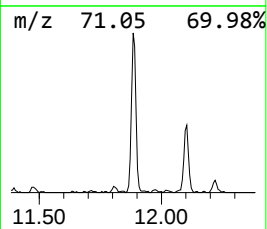
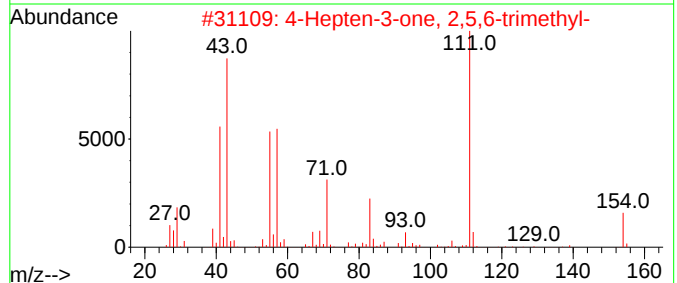
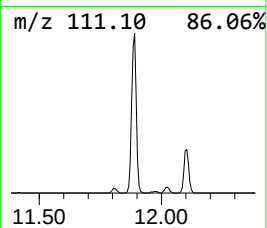
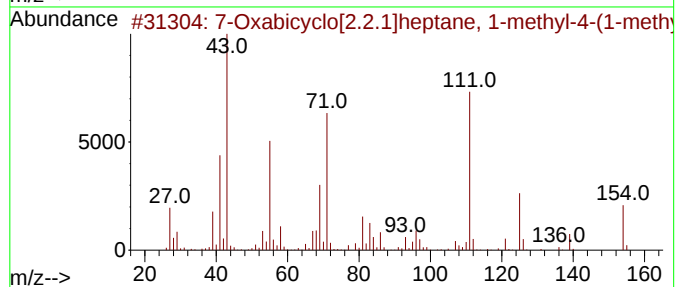
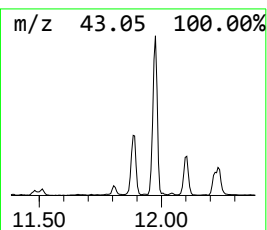
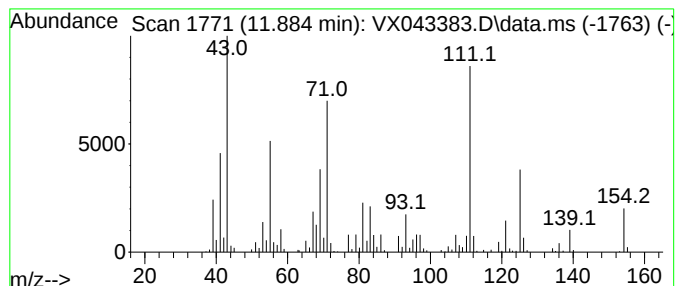
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

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

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Peak Number 7 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD       |         |              | R.T.   |
|-----------|-------------------------------------|--------|------------------------|---------|--------------|--------|
| 11.884    | 12.98 ug/l                          | 220396 | 1,4-Dichlorobenzene-d4 |         |              | 12.024 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm | CAS#         | Qual   |
| 1         | 7-Oxabicyclo[2.2.1]heptane, 1-me... |        | 154                    | C10H18O | 000470-67-7  | 76     |
| 2         | 4-Hepten-3-one, 2,5,6-trimethyl-    |        | 154                    | C10H18O | 016466-21-0  | 49     |
| 3         | 3-Cyclohexen-1-ol, 4-methyl-1-(1... |        | 154                    | C10H18O | 020126-76-5  | 47     |
| 4         | 4-Methyl-4-vinylbutyrolactone       |        | 126                    | C7H10O2 | 1000427-99-2 | 43     |
| 5         | 2(5H)-Furanone, 3,5,5-trimethyl-    |        | 126                    | C7H10O2 | 050598-50-0  | 41     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101424\  
Data File : VX043383.D  
Acq On : 14 Oct 2024 16:03  
Operator : JC/MD  
Sample : P4402-01 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

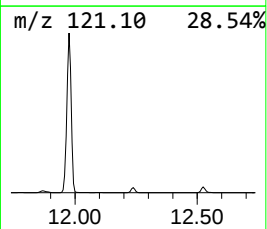
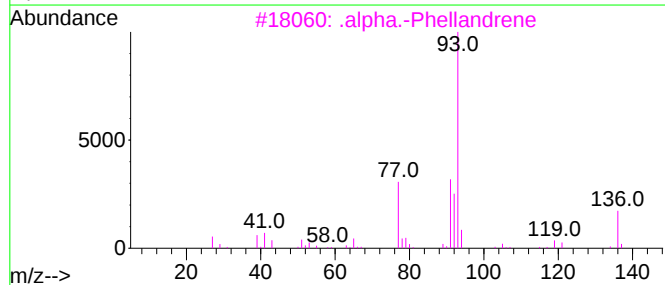
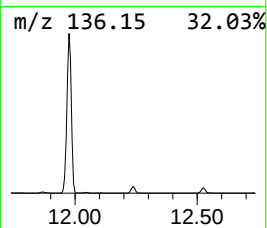
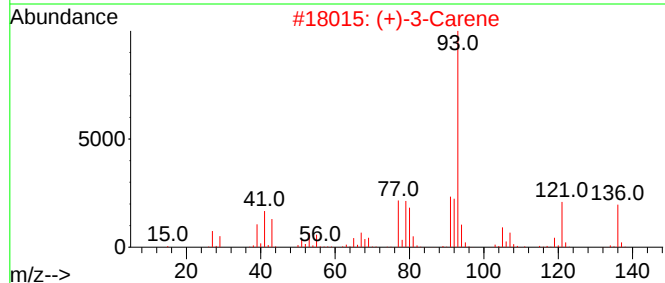
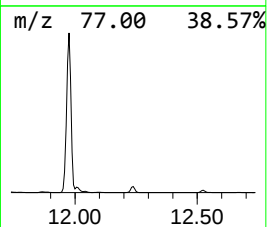
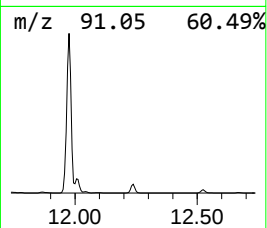
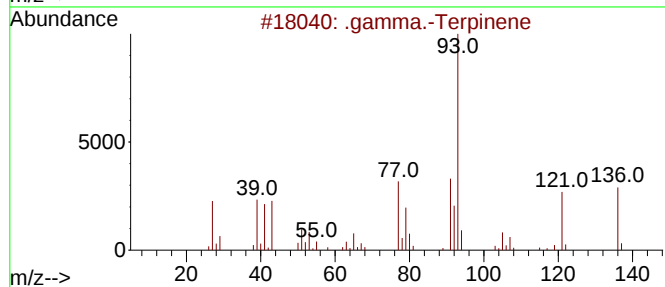
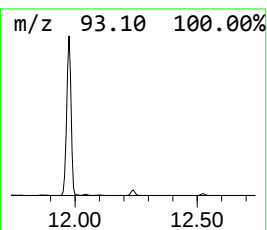
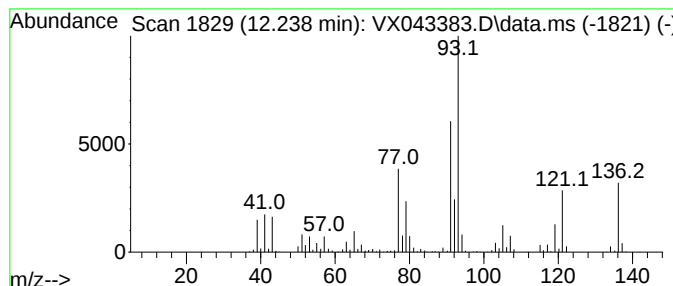
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260

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

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Peak Number 8 .gamma.-Terpinene Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.238 | 20.90 ug/l | 354861 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | .gamma.-Terpinene                   | 136 | C10H16  | 000099-85-4 | 97   |
| 2    |      | (+)-3-Carene                        | 136 | C10H16  | 000498-15-7 | 87   |
| 3    |      | .alpha.-Phellandrene                | 136 | C10H16  | 000099-83-2 | 83   |
| 4    |      | 3-Carene                            | 136 | C10H16  | 013466-78-9 | 81   |
| 5    |      | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16  | 000508-32-7 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101424\  
Data File : VX043383.D  
Acq On : 14 Oct 2024 16:03  
Operator : JC/MD  
Sample : P4402-01 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1 - Drum

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.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 |
| 1,3-Dioxane, 2-... | 6.873  | 32.6    | ug/l  | 245905   | 2                     | 6.757  | 377527 | 50.0 |
| unknown7.208       | 7.208  | 22.8    | ug/l  | 172117   | 2                     | 6.757  | 377527 | 50.0 |
| 1,3-Dioxolane, ... | 8.994  | 49.3    | ug/l  | 422823   | 3                     | 10.055 | 428721 | 50.0 |
| 1,3-Dioxolane, ... | 9.159  | 20.6    | ug/l  | 176809   | 3                     | 10.055 | 428721 | 50.0 |
| .alpha.-Pinene     | 10.939 | 42.4    | ug/l  | 363566   | 3                     | 10.055 | 428721 | 50.0 |
| Ethanone, 1-cyc... | 11.512 | 18.6    | ug/l  | 315615   | 4                     | 12.024 | 848885 | 50.0 |
| 7-Oxabicyclo[2.... | 11.884 | 13.0    | ug/l  | 220396   | 4                     | 12.024 | 848885 | 50.0 |
| .gamma.-Terpinene  | 12.238 | 20.9    | ug/l  | 354861   | 4                     | 12.024 | 848885 | 50.0 |