

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\  
Data File : VY001393.D  
Acq On : 24 Jan 2020 19:15  
Operator : SY/MD  
Sample : L1268-01  
Misc : 3.25G/5ML/MSVOA Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
30529

## 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\82Y012120S.M  
Title : SW846 8260

Signal : TIC

| 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         | 3.987       | 352           | 369         | 401          | rBV2     | 19072229       | 110154446     | 100.00%         | 47.898%       |
| 2         | 7.785       | 975           | 992         | 1003         | rBV      | 2709935        | 7347522       | 6.67%           | 3.195%        |
| 3         | 7.895       | 1003          | 1010        | 1021         | rVV      | 933047         | 2370024       | 2.15%           | 1.031%        |
| 4         | 8.023       | 1021          | 1031        | 1048         | rVV      | 3357868        | 8225315       | 7.47%           | 3.577%        |
| 5         | 8.291       | 1065          | 1075        | 1082         | rVV3     | 523616         | 1302452       | 1.18%           | 0.566%        |
| 6         | 8.565       | 1110          | 1120        | 1135         | rBV      | 1567561        | 3059765       | 2.78%           | 1.330%        |
| 7         | 10.266      | 1391          | 1399        | 1408         | rVB2     | 27682284       | 87509319      | 79.44%          | 38.051%       |
| 8         | 12.808      | 1812          | 1816        | 1822         | rVB2     | 1454089        | 2372288       | 2.15%           | 1.032%        |
| 9         | 13.125      | 1861          | 1868        | 1873         | rBV      | 1878367        | 2831106       | 2.57%           | 1.231%        |
| 10        | 13.461      | 1920          | 1923        | 1928         | rVV      | 993038         | 1424817       | 1.29%           | 0.620%        |
| 11        | 13.759      | 1966          | 1972        | 1976         | rBV      | 1305978        | 1909615       | 1.73%           | 0.830%        |
| 12        | 14.680      | 2117          | 2123        | 2130         | rBV3     | 742605         | 1470199       | 1.33%           | 0.639%        |

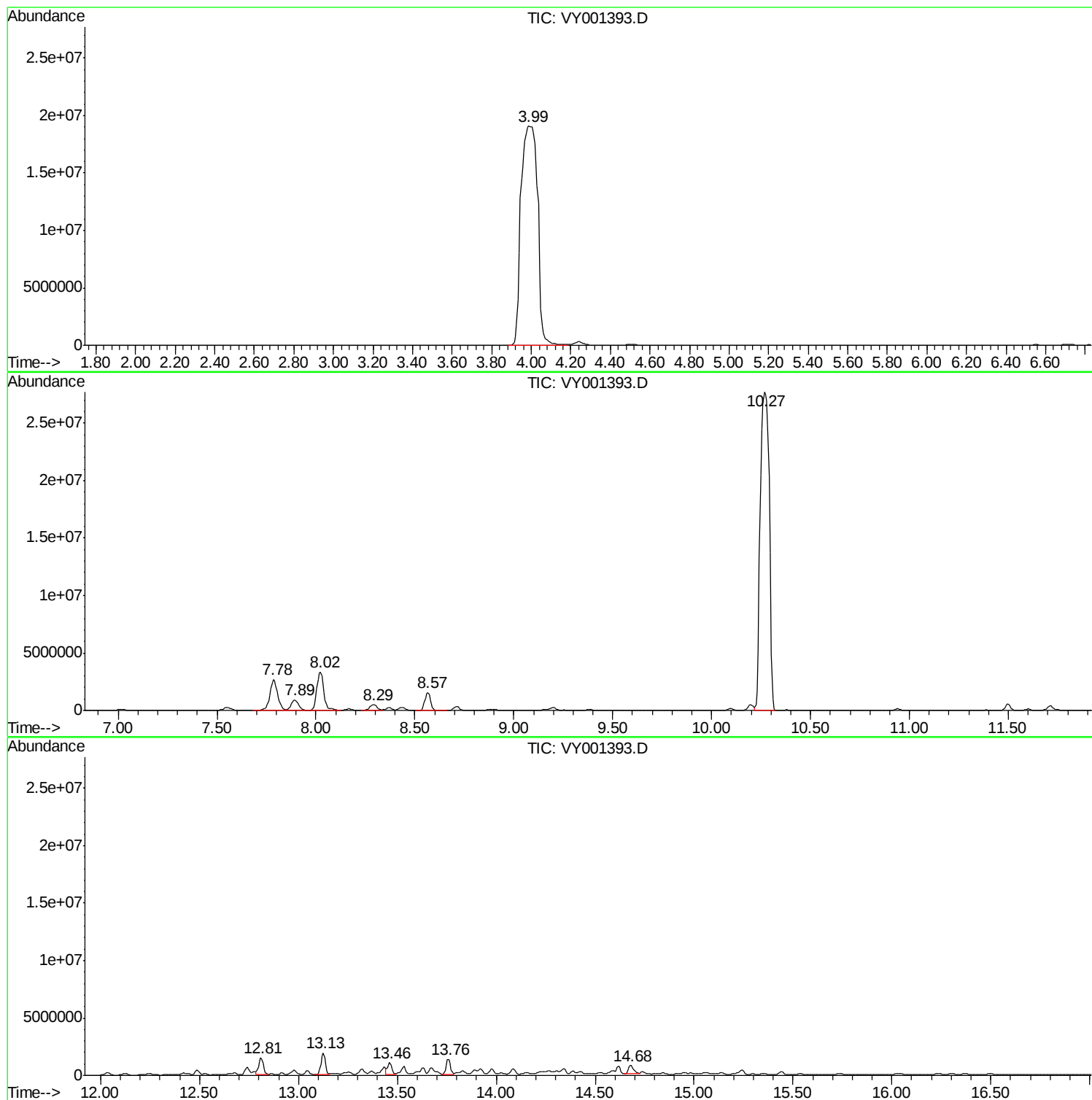
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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



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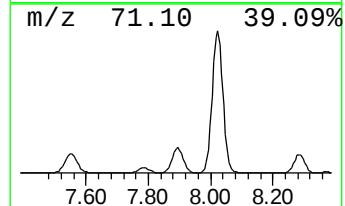
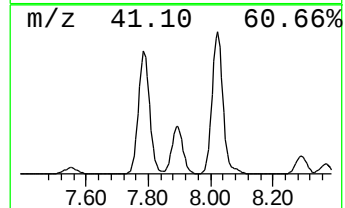
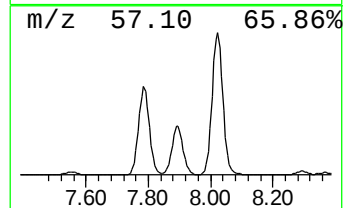
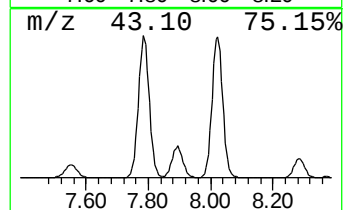
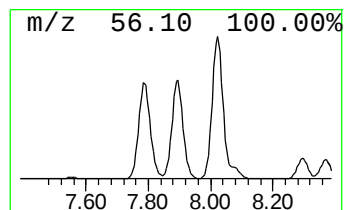
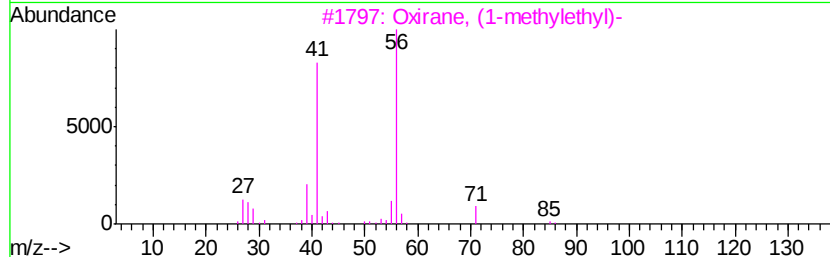
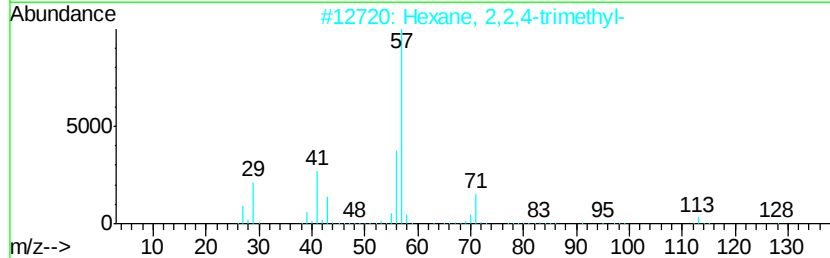
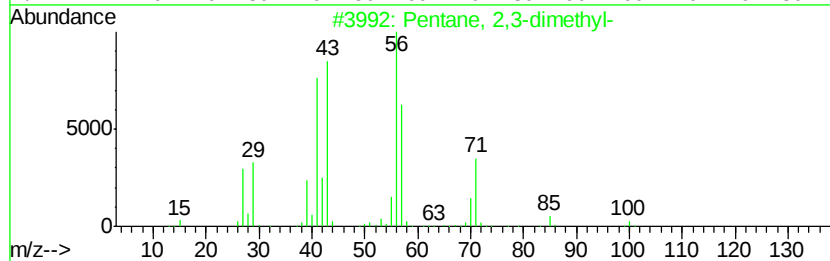
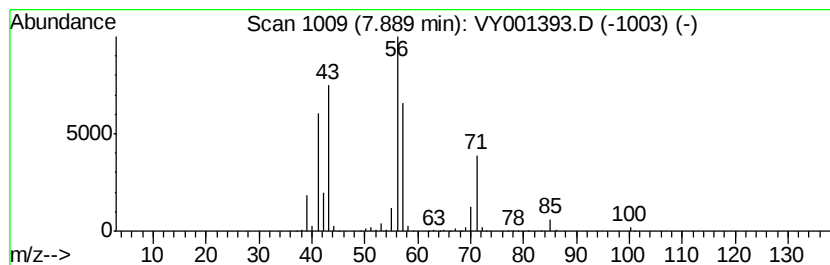
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 6

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 7.89 | 16.13 ug/l | 2370020 | Pentafluorobenzene | 7.82 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3-dimethyl-    | 100 | C7H16   | 000565-59-3 | 95   |
| 2    |    | Hexane, 2,2,4-trimethyl-  | 128 | C9H20   | 016747-26-5 | 42   |
| 3    |    | Oxirane, (1-methylethyl)- | 86  | C5H10O  | 001438-14-8 | 38   |
| 4    |    | Aziridine, 2-methyl-      | 57  | C3H7N   | 000075-55-8 | 37   |
| 5    |    | Heptane                   | 100 | C7H16   | 000142-82-5 | 37   |



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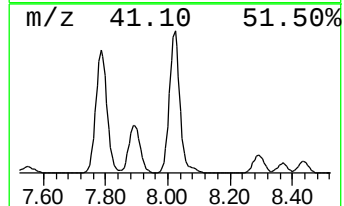
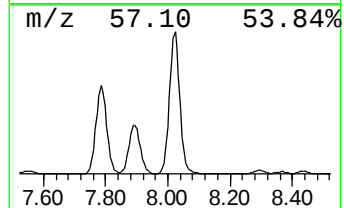
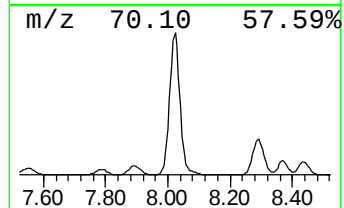
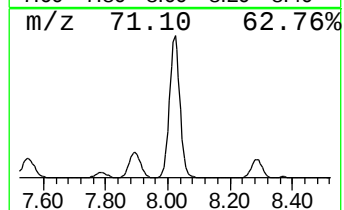
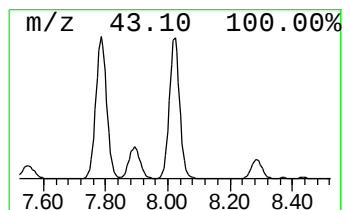
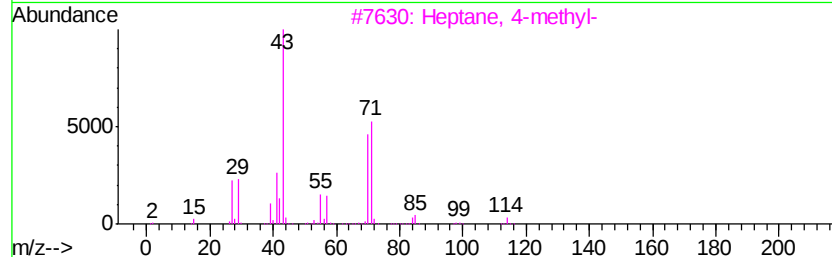
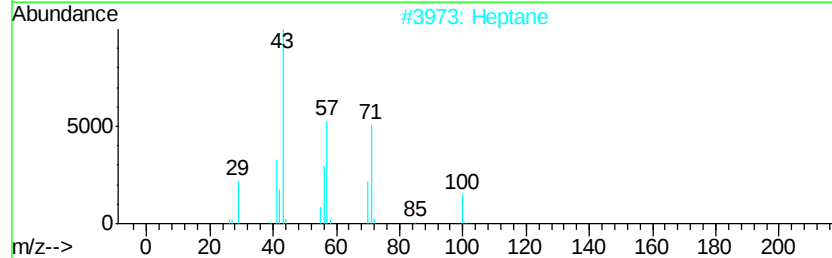
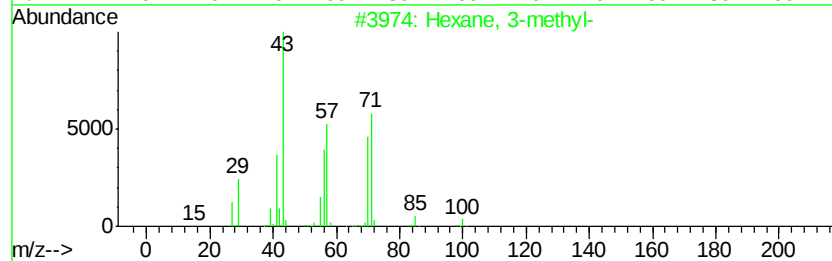
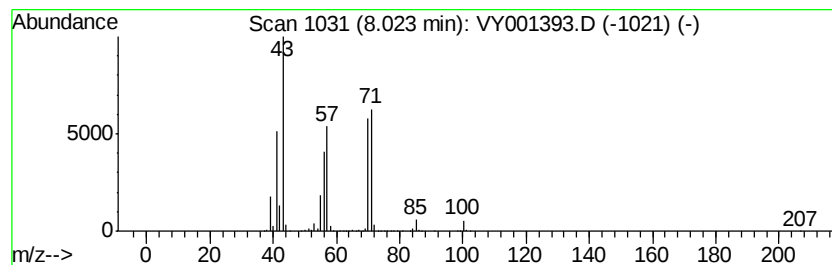
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 2 Hexane, 3-methyl- Concentration Rank 2

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 8.02 | 55.97 ug/l | 8225320 | Pentafluorobenzene | 7.82 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Hexane, 3-methyl-        |              | 100 | C7H16   | 000589-34-4 | 91   |
| 2       | Heptane                  |              | 100 | C7H16   | 000142-82-5 | 80   |
| 3       | Heptane, 4-methyl-       |              | 114 | C8H18   | 000589-53-7 | 59   |
| 4       | Pentane, 3-ethyl-        |              | 100 | C7H16   | 000617-78-7 | 53   |
| 5       | Hexane, 3,3,4-trimethyl- |              | 128 | C9H20   | 016747-31-2 | 50   |



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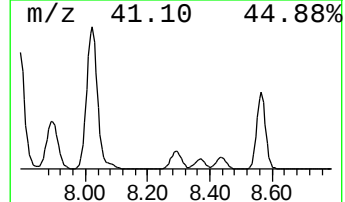
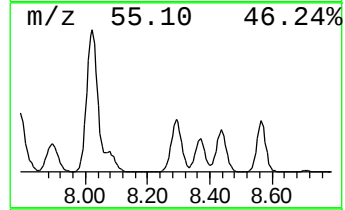
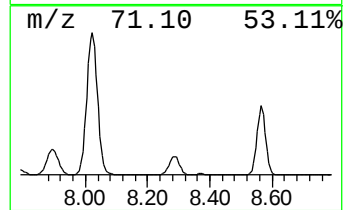
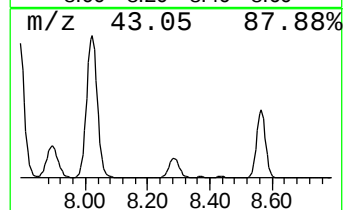
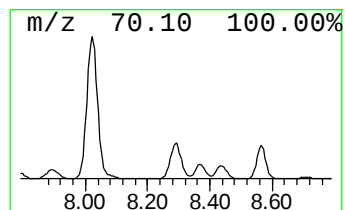
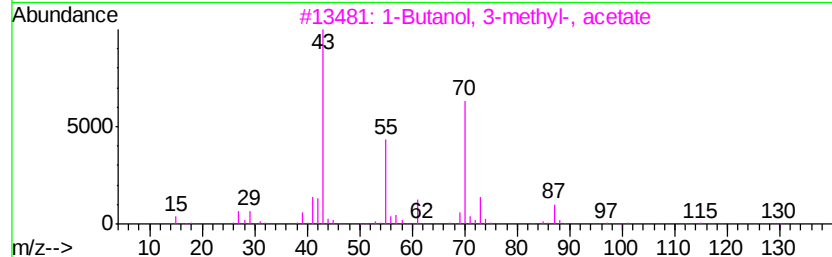
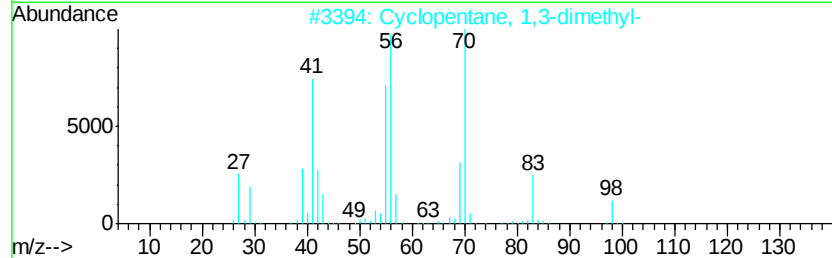
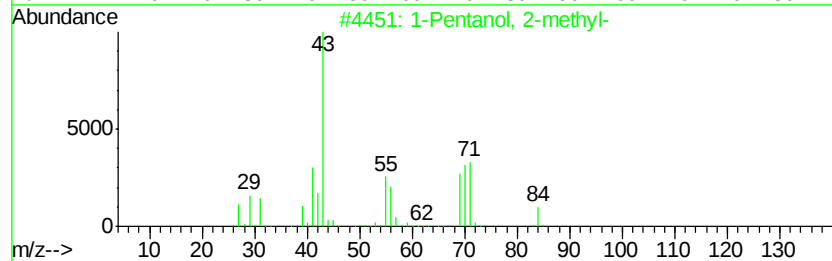
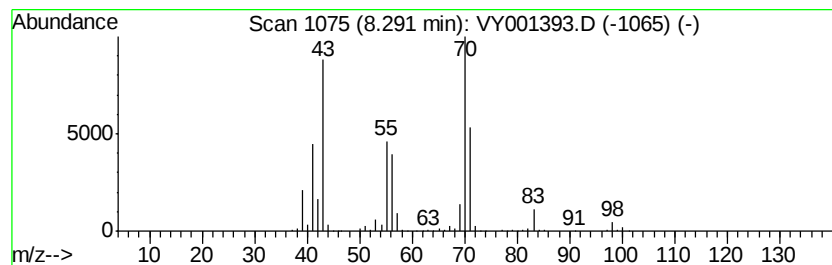
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 1-Pentanol, 2-methyl- Concentration Rank 5

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 8.29 | 21.28 ug/l | 1302450 | 1,4-Difluorobenzene | 8.71 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Pentanol, 2-methyl-             | 102 | C6H14O  | 000105-30-6 | 53   |
| 2    |    | Cyclopentane, 1,3-dimethyl-       | 98  | C7H14   | 002453-00-1 | 46   |
| 3    |    | 1-Butanol, 3-methyl-, acetate     | 130 | C7H14O2 | 000123-92-2 | 38   |
| 4    |    | Hexane, 2,3-dimethyl-             | 114 | C8H18   | 000584-94-1 | 38   |
| 5    |    | Cyclopentane, 1,3-dimethyl-, cis- | 98  | C7H14   | 002532-58-3 | 38   |



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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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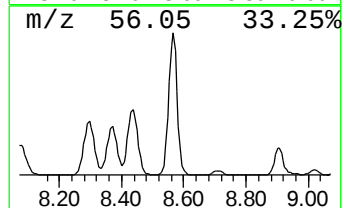
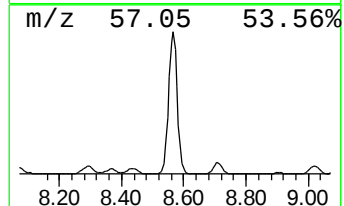
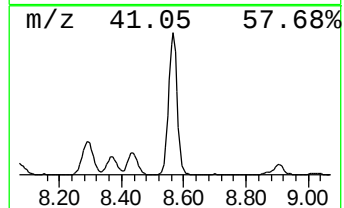
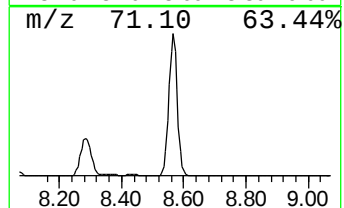
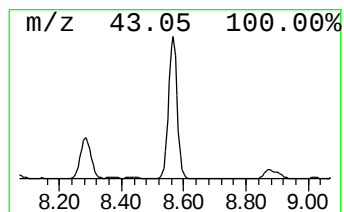
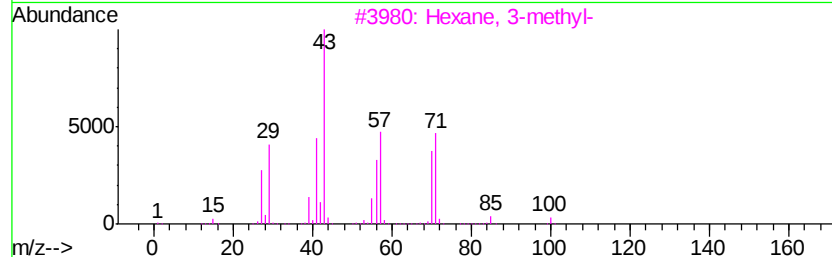
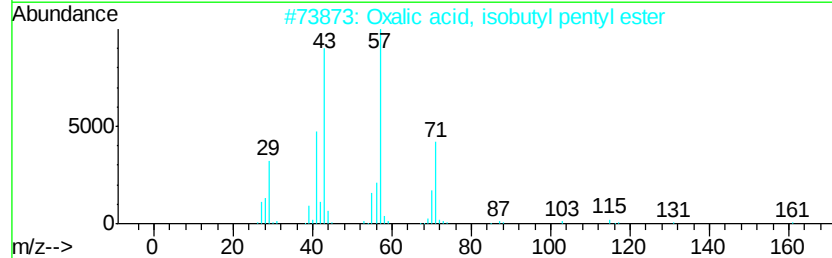
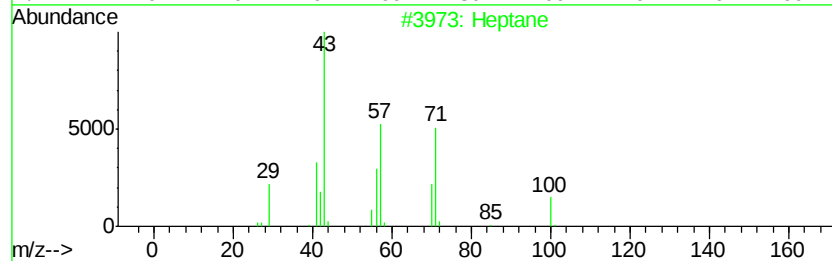
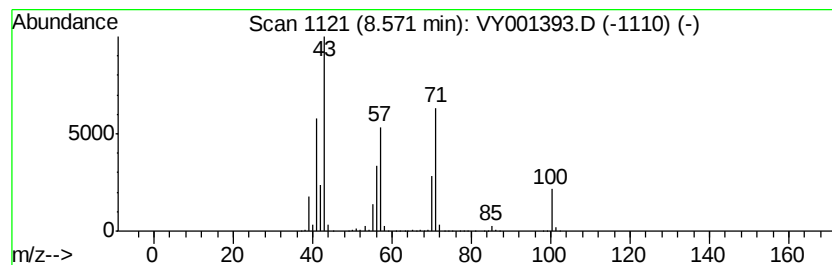
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 4 Heptane Concentration Rank 4

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 8.57 | 50.00 ug/l | 3059770 | 1,4-Difluorobenzene | 8.71 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Heptane                            | 100 | C7H16    | 000142-82-5  | 91   |
| 2    |    | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 53   |
| 3    |    | Hexane, 3-methyl-                  | 100 | C7H16    | 000589-34-4  | 47   |
| 4    |    | Pentane, 2,3,4-trimethyl-          | 114 | C8H18    | 000565-75-3  | 40   |
| 5    |    | Pentane, 3,3-dimethyl-             | 100 | C7H16    | 000562-49-2  | 38   |



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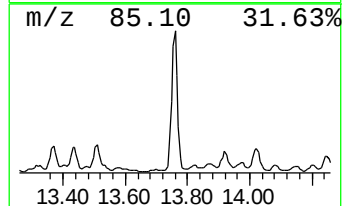
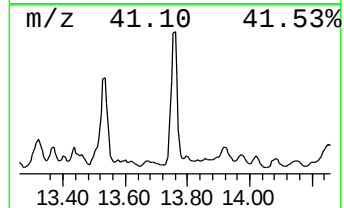
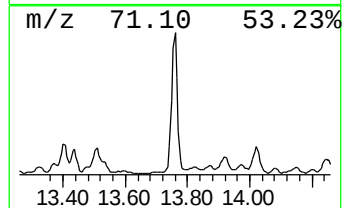
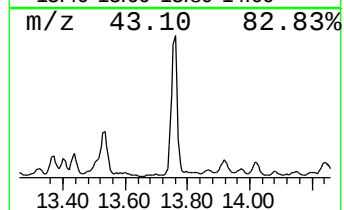
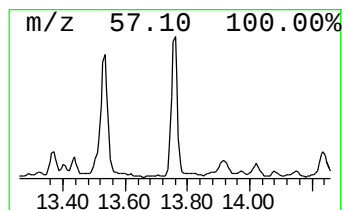
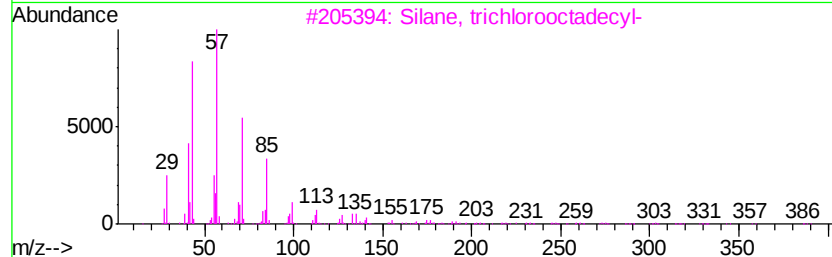
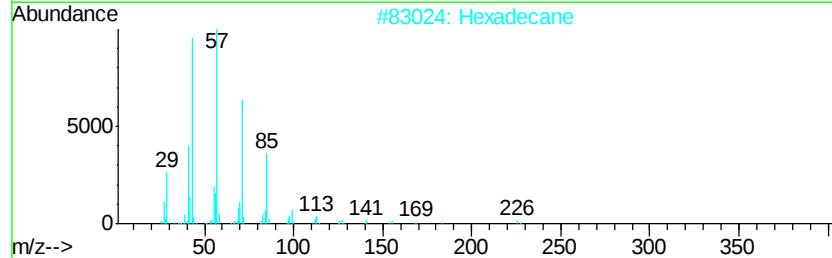
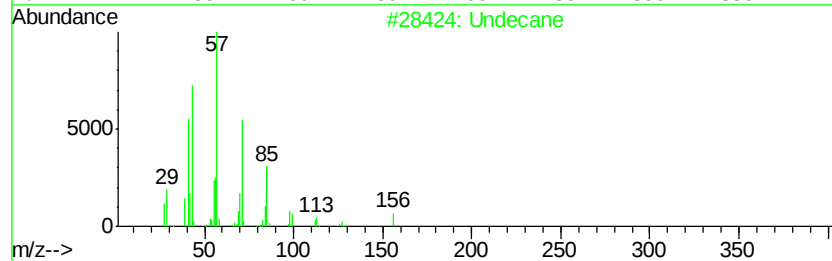
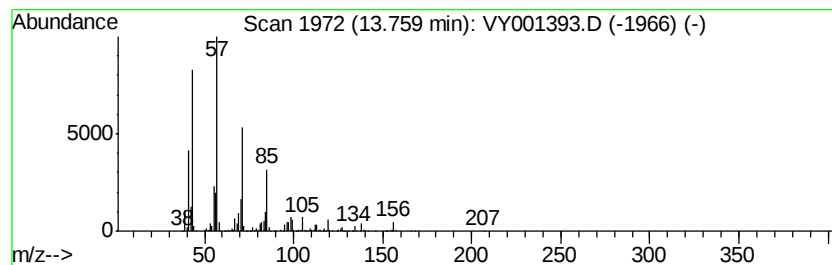
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Peak Number 5 Undecane Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.76 | 67.01 ug/l | 1909620 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|-----------------------------|-----|-------------|-------------|------|
| 1    | 5  | Undecane                    | 156 | C11H24      | 001120-21-4 | 96   |
| 2    |    | Hexadecane                  | 226 | C16H34      | 000544-76-3 | 72   |
| 3    |    | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 72   |
| 4    |    | Tetradecane                 | 198 | C14H30      | 000629-59-4 | 64   |
| 5    |    | 1-Decene, 4-methyl-         | 154 | C11H22      | 013151-29-6 | 53   |



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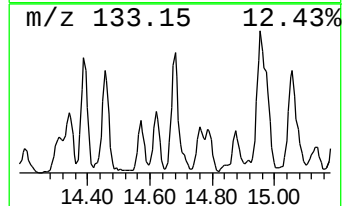
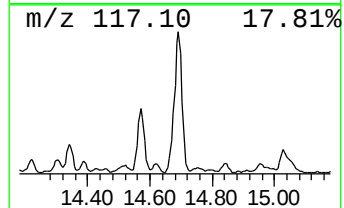
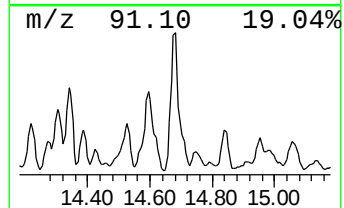
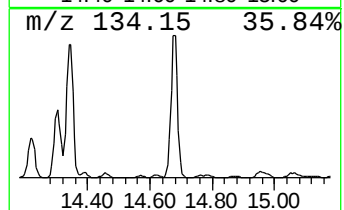
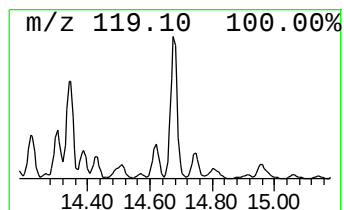
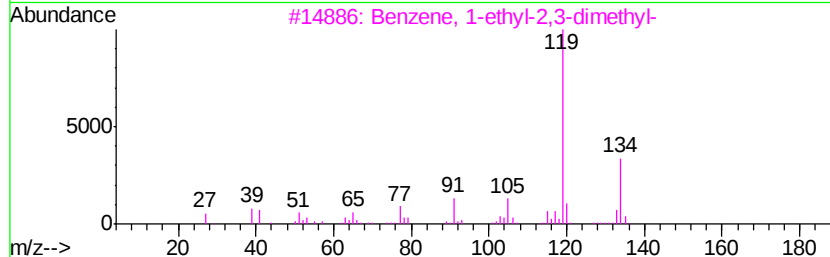
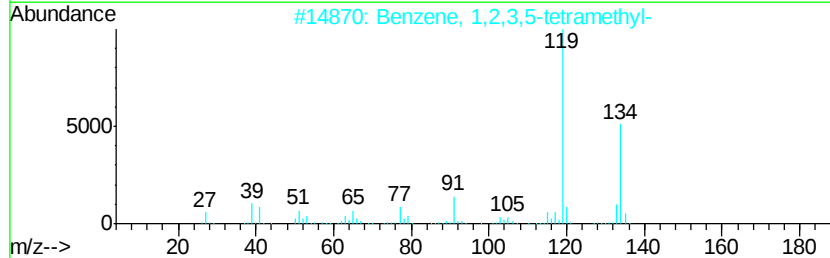
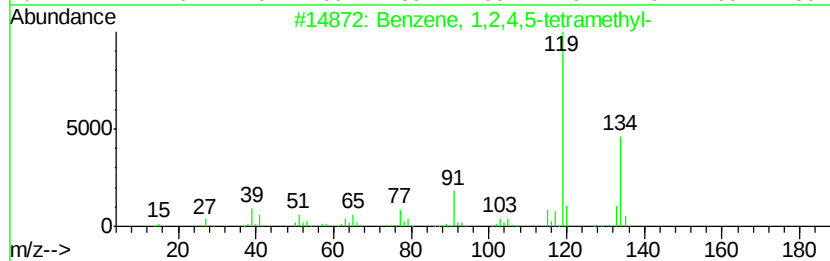
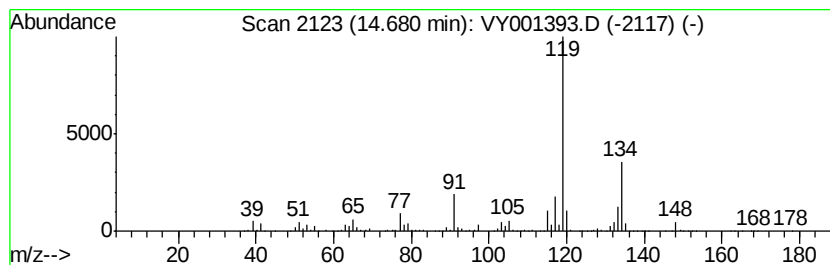
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.68 | 51.59 ug/l | 1470200 | 1,4-Dichlorobenzene-d4 | 13.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 94   |
| 2    |    | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 90   |
| 3    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 90   |
| 4    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 90   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 87   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY012420\  
Data File : VY001393.D  
Acq On : 24 Jan 2020 19:15  
Operator : SY/MD  
Sample : L1268-01  
Misc : 3.25G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
30529

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Pentane, 2,3-dime... | 7.89  | 16.1    | ug/l  | 2370020  | 1                     | 7.82  | 7347520 | 50.0 |
| Hexane, 3-methyl-    | 8.02  | 56.0    | ug/l  | 8225320  | 1                     | 7.82  | 7347520 | 50.0 |
| 1-Pentanol, 2-met... | 8.29  | 21.3    | ug/l  | 1302450  | 2                     | 8.71  | 3059770 | 50.0 |
| Heptane              | 8.57  | 50.0    | ug/l  | 3059770  | 2                     | 8.71  | 3059770 | 50.0 |
| Undecane             | 13.76 | 67.0    | ug/l  | 1909620  | 4                     | 13.43 | 1424820 | 50.0 |
| Benzene, 1,2,4,5-... | 14.68 | 51.6    | ug/l  | 1470200  | 4                     | 13.43 | 1424820 | 50.0 |