

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\  
 Data File : VV016337.D  
 Acq On : 30 May 2020 02:19  
 Operator : SY/MD  
 Sample : L2826-10  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CWKC3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M

Title : TRACE VOA SOM01.0

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         | 1.132       | 8             | 13          | 24           | rVB      | 28195          | 30687         | 1.27%           | 0.449%        |
| 2         | 1.319       | 56            | 71          | 81           | rBV4     | 159856         | 320653        | 13.30%          | 4.695%        |
| 3         | 1.479       | 116           | 121         | 145          | rVB      | 76987          | 142492        | 5.91%           | 2.086%        |
| 4         | 1.579       | 148           | 152         | 165          | rVB      | 33008          | 41057         | 1.70%           | 0.601%        |
| 5         | 1.820       | 219           | 227         | 248          | rVB      | 386014         | 505826        | 20.99%          | 7.407%        |
| 6         | 2.126       | 312           | 322         | 335          | rVB2     | 74578          | 122001        | 5.06%           | 1.786%        |
| 7         | 2.312       | 373           | 380         | 390          | rVB      | 25627          | 36359         | 1.51%           | 0.532%        |
| 8         | 2.528       | 440           | 447         | 462          | rVB      | 30154          | 57526         | 2.39%           | 0.842%        |
| 9         | 2.778       | 514           | 525         | 545          | rVB      | 121502         | 216198        | 8.97%           | 3.166%        |
| 10        | 3.058       | 601           | 612         | 639          | rVB2     | 40099          | 96894         | 4.02%           | 1.419%        |
| 11        | 3.939       | 864           | 886         | 901          | rBV      | 999848         | 2410198       | 100.00%         | 35.292%       |
| 12        | 4.026       | 902           | 913         | 957          | rVB      | 166676         | 609645        | 25.29%          | 8.927%        |
| 13        | 4.389       | 1005          | 1026        | 1046         | rBV4     | 62723          | 241099        | 10.00%          | 3.530%        |
| 14        | 5.074       | 1223          | 1239        | 1266         | rBV2     | 114944         | 279343        | 11.59%          | 4.090%        |
| 15        | 5.515       | 1360          | 1376        | 1392         | rBV3     | 16958          | 35570         | 1.48%           | 0.521%        |
| 16        | 5.643       | 1403          | 1416        | 1435         | rBV      | 99463          | 195436        | 8.11%           | 2.862%        |
| 17        | 5.939       | 1495          | 1508        | 1531         | rBV      | 176388         | 341359        | 14.16%          | 4.998%        |
| 18        | 6.097       | 1544          | 1557        | 1573         | rBV      | 62497          | 128935        | 5.35%           | 1.888%        |
| 19        | 7.010       | 1828          | 1841        | 1860         | rBV2     | 29298          | 51686         | 2.14%           | 0.757%        |
| 20        | 7.338       | 1932          | 1943        | 1958         | rBV      | 125885         | 214903        | 8.92%           | 3.147%        |
| 21        | 7.589       | 2013          | 2021        | 2030         | rBV2     | 21492          | 34302         | 1.42%           | 0.502%        |
| 22        | 7.646       | 2031          | 2039        | 2064         | rVB5     | 22974          | 57567         | 2.39%           | 0.843%        |
| 23        | 8.116       | 2174          | 2185        | 2209         | rBV      | 153770         | 279957        | 11.62%          | 4.099%        |
| 24        | 8.875       | 2409          | 2421        | 2440         | rBV      | 115819         | 195196        | 8.10%           | 2.858%        |
| 25        | 10.238      | 2834          | 2845        | 2859         | rBV2     | 28237          | 44231         | 1.84%           | 0.648%        |
| 26        | 11.270      | 3157          | 3166        | 3183         | rVB      | 51111          | 79257         | 3.29%           | 1.161%        |
| 27        | 11.646      | 3274          | 3283        | 3299         | rBV      | 38666          | 60905         | 2.53%           | 0.892%        |

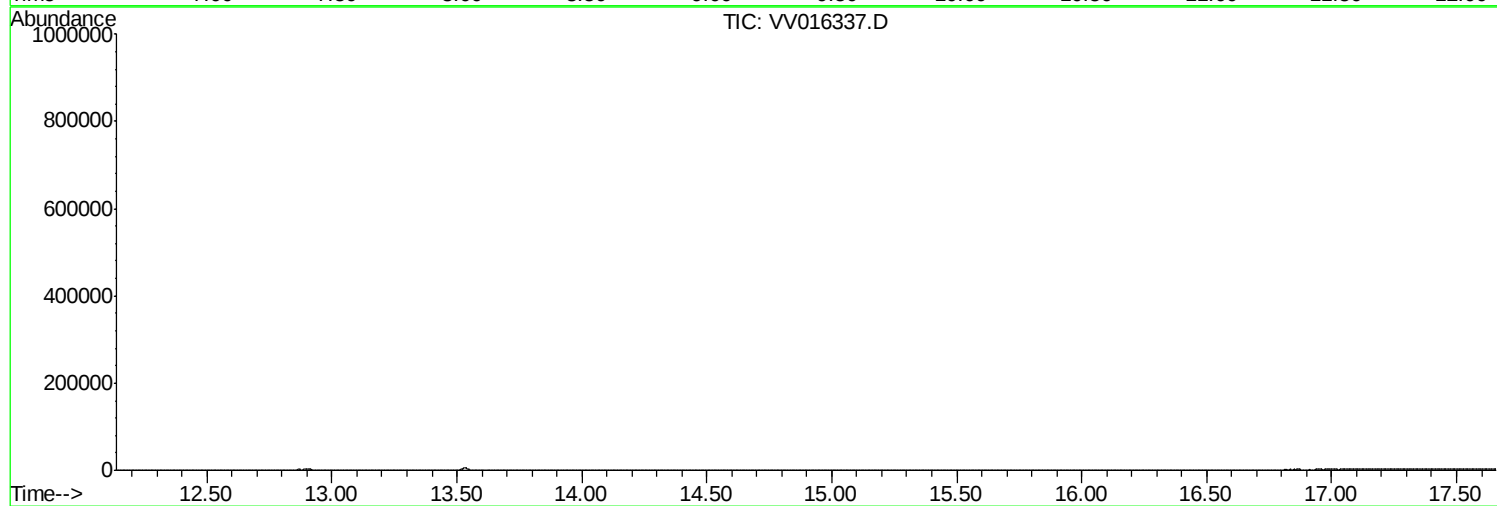
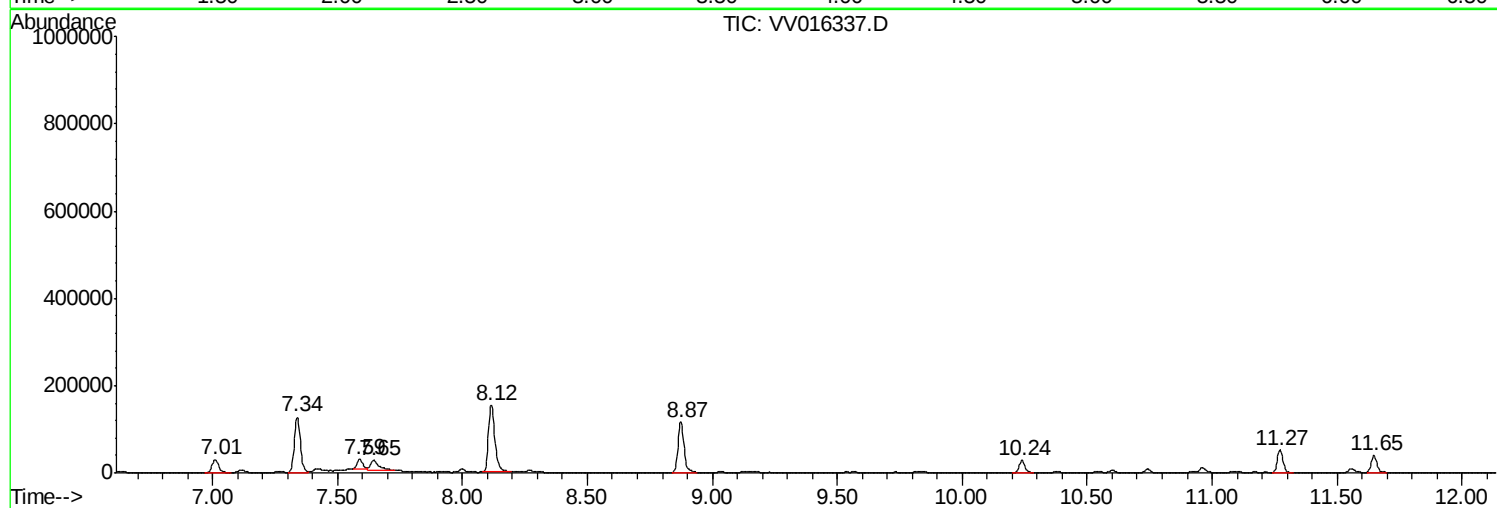
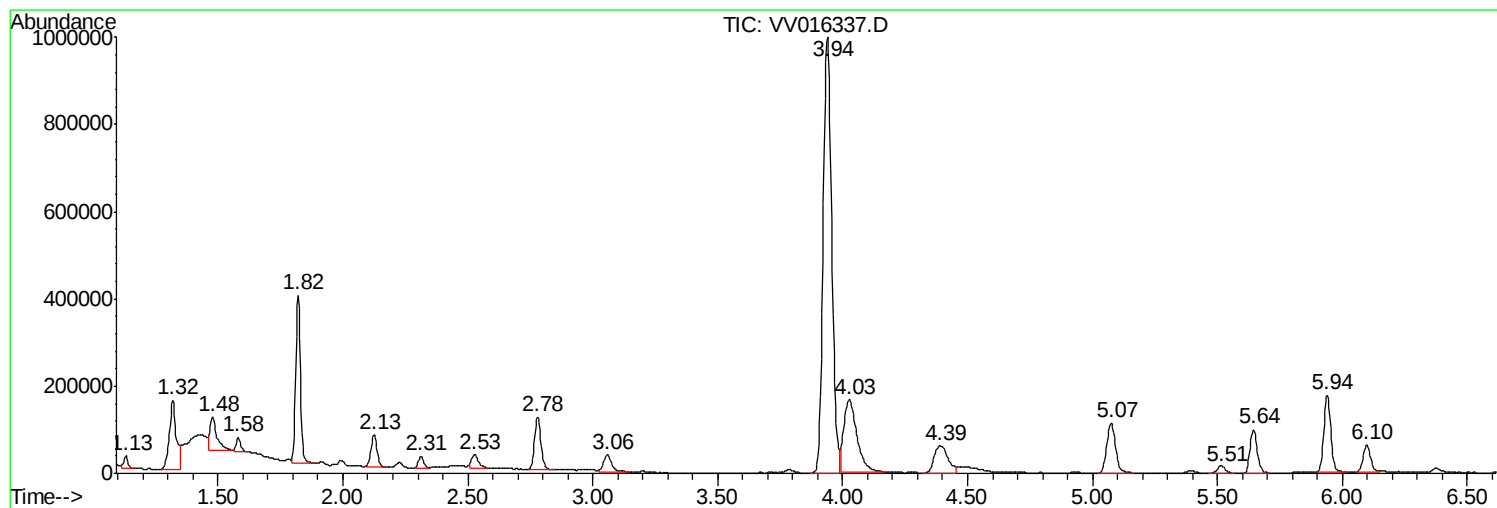
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MSVOA\_V  
ClientSampleId :  
CWKC3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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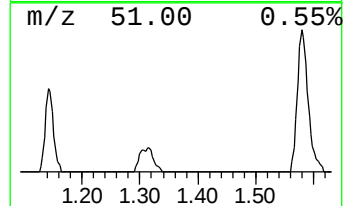
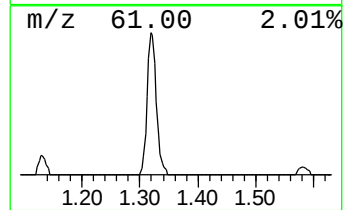
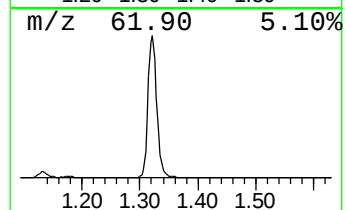
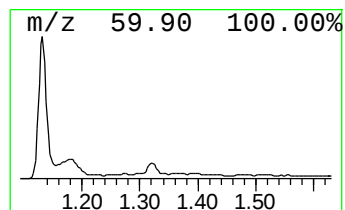
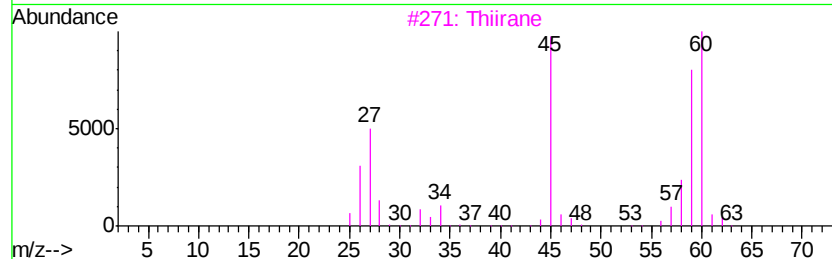
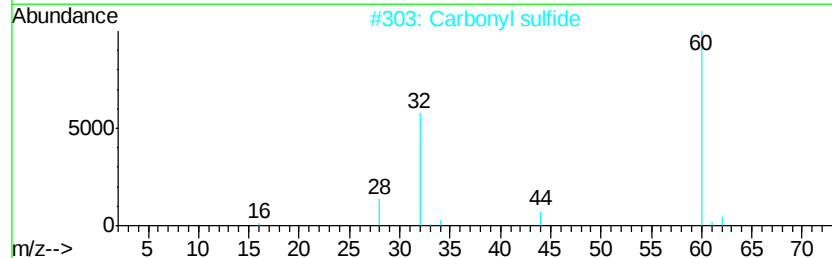
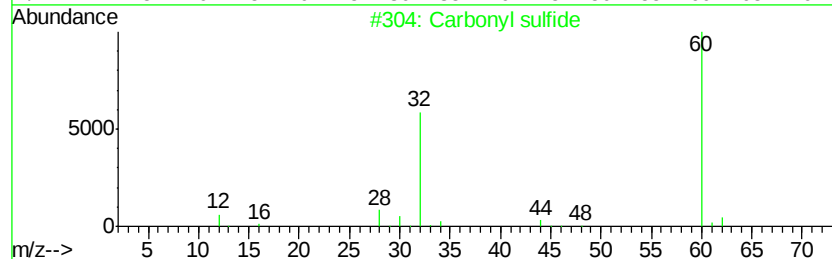
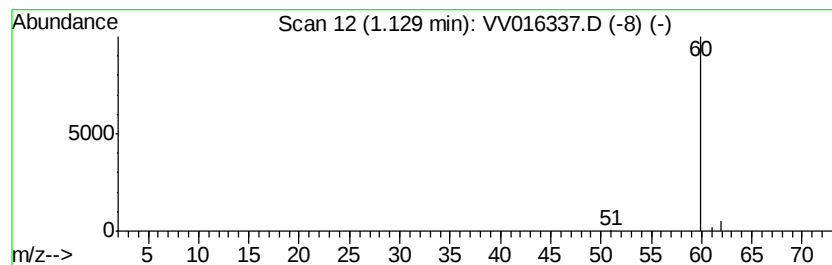
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 7

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.13 | 0.79 ug/L | 30687 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|--------------------------|----|---------|-------------|------|
| 1    | 5  | Carbonyl sulfide         | 60 | COS     | 000463-58-1 | 5    |
| 2    |    | Carbonyl sulfide         | 60 | COS     | 000463-58-1 | 5    |
| 3    |    | Thiirane                 | 60 | C2H4S   | 000420-12-2 | 4    |
| 4    |    | Thiirane                 | 60 | C2H4S   | 000420-12-2 | 4    |
| 5    |    | Hydrazine, 1,1-dimethyl- | 60 | C2H8N2  | 000057-14-7 | 4    |



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Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3

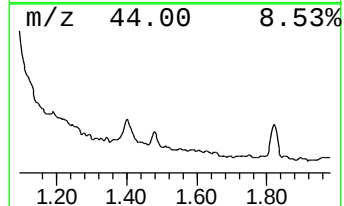
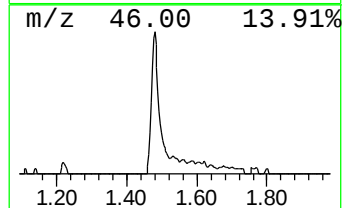
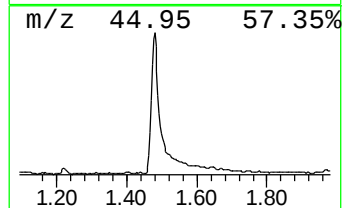
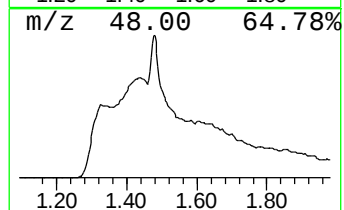
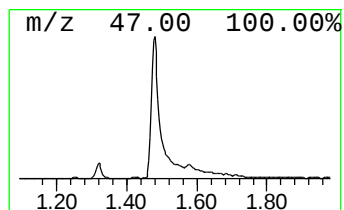
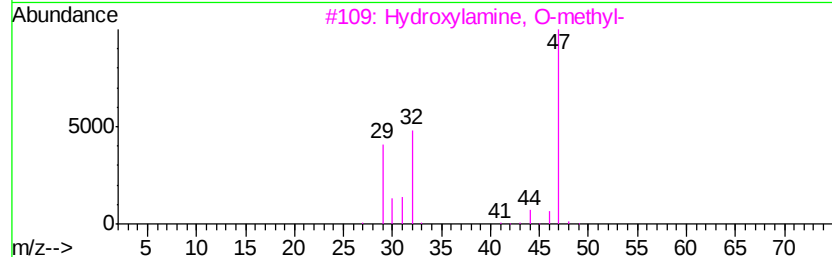
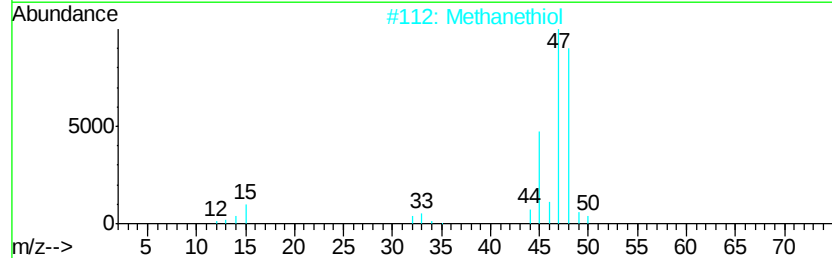
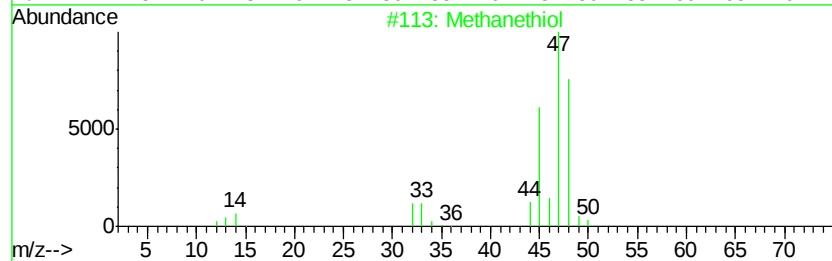
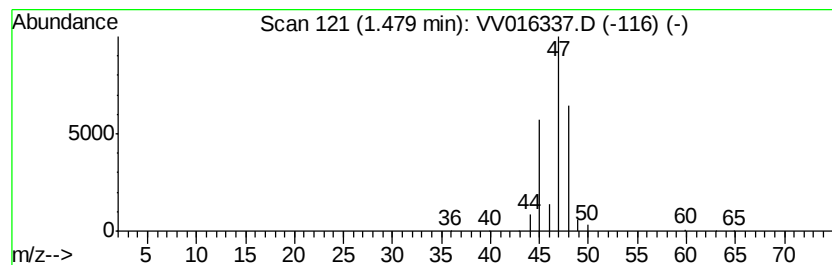
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Methanethiol Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.48 | 3.65 ug/L | 142492 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Methanethiol             | 48 | CH4S    | 000074-93-1 | 90   |
| 2    |    |   | Methanethiol             | 48 | CH4S    | 000074-93-1 | 80   |
| 3    |    |   | Hvdroxylamine, O-methyl- | 47 | CH5NO   | 000067-62-9 | 7    |
| 4    |    |   | Hvdroxylamine, O-methyl- | 47 | CH5NO   | 000067-62-9 | 7    |
| 5    |    |   | Methane, nitroso-        | 45 | CH3NO   | 000865-40-7 | 5    |



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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

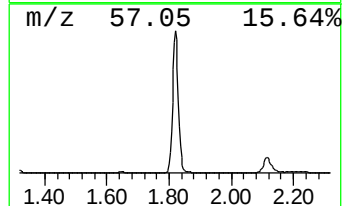
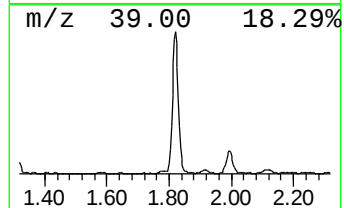
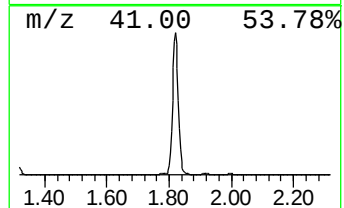
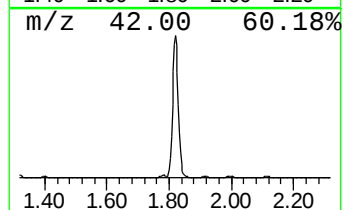
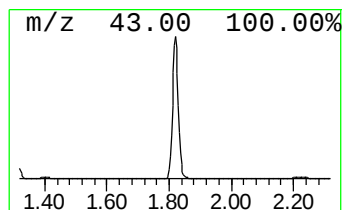
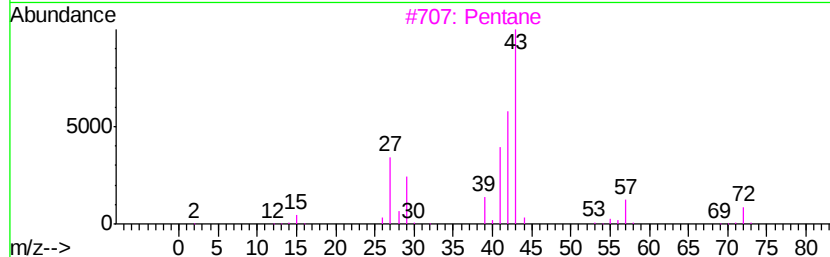
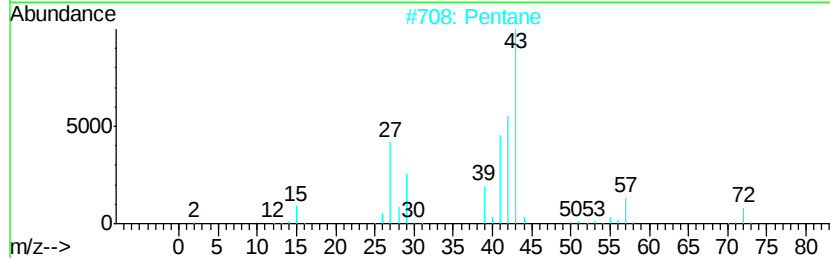
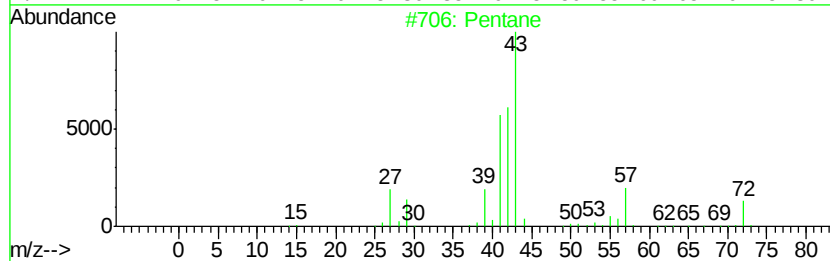
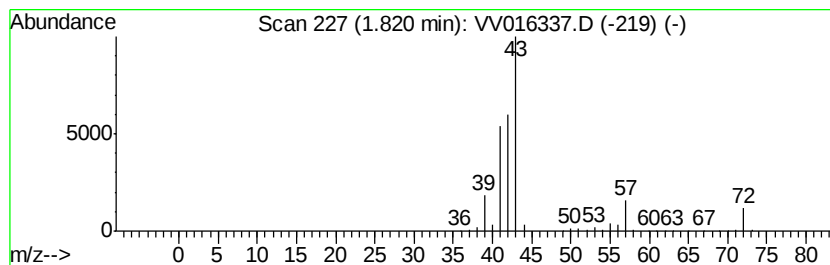
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 1.82 | 12.94 ug/L | 505826 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Pentane         | 72 | C5H12   | 000109-66-0 | 91   |
| 2    |    | Pentane         | 72 | C5H12   | 000109-66-0 | 90   |
| 3    |    | Pentane         | 72 | C5H12   | 000109-66-0 | 86   |
| 4    |    | Pentane         | 72 | C5H12   | 000109-66-0 | 64   |
| 5    |    | Oxirane, ethyl- | 72 | C4H8O   | 000106-88-7 | 40   |



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ClientSampleId :  
CWKC3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

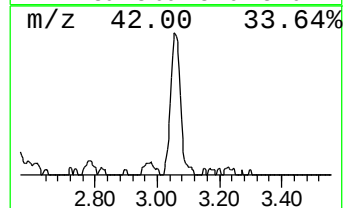
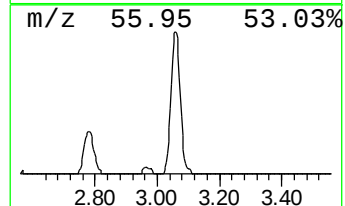
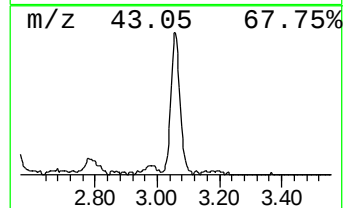
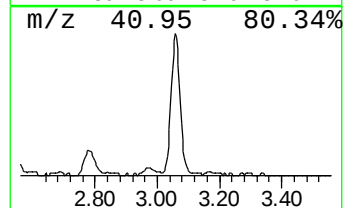
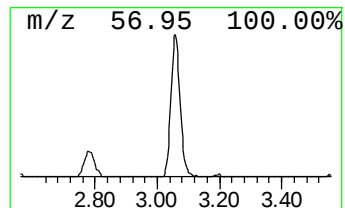
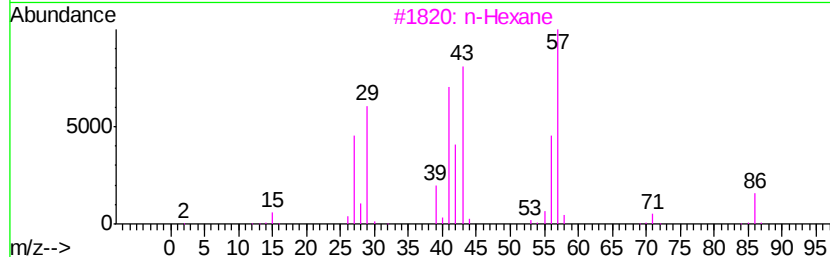
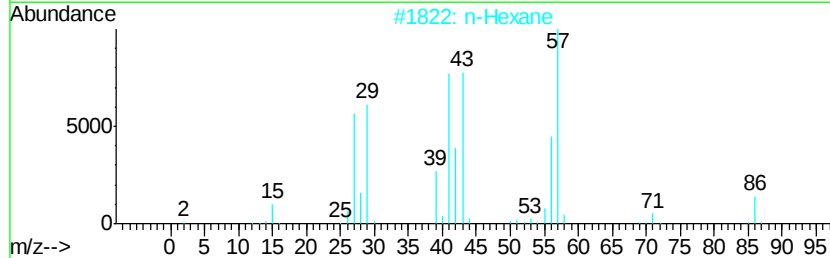
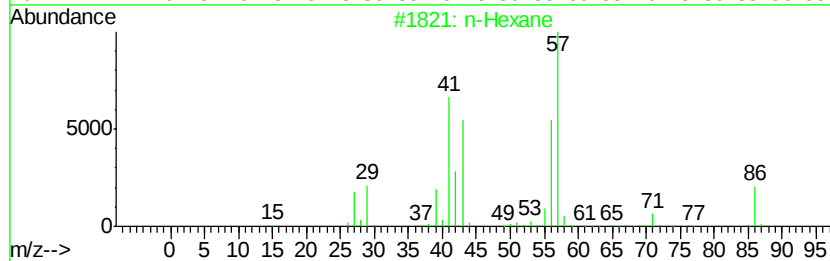
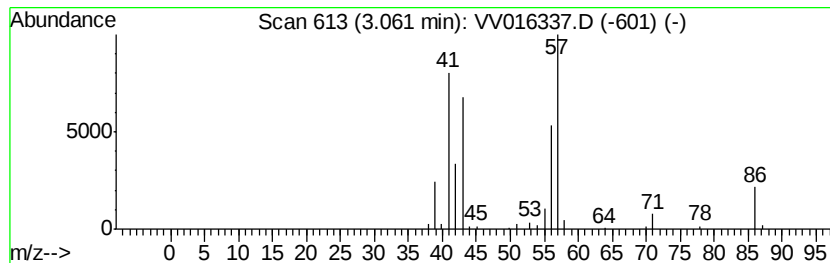
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 3.06 | 2.48 ug/L | 96894 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | n-Hexane                | 86 | C6H14   | 000110-54-3 | 91   |
| 2    |    | n-Hexane                | 86 | C6H14   | 000110-54-3 | 64   |
| 3    |    | n-Hexane                | 86 | C6H14   | 000110-54-3 | 59   |
| 4    |    | Butanal, 2-methyl-      | 86 | C5H10O  | 000096-17-3 | 43   |
| 5    |    | Propanal, 2,2-dimethyl- | 86 | C5H10O  | 000630-19-3 | 43   |



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Quant Title : TRACE VOA SOM01.0

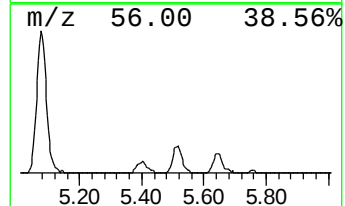
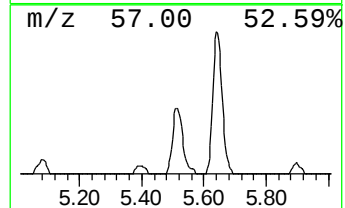
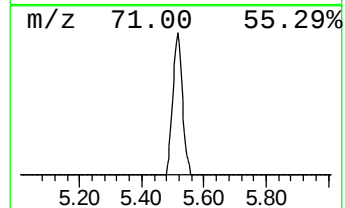
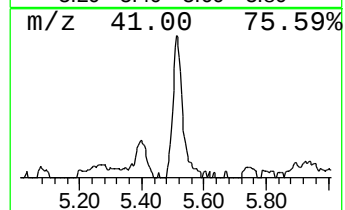
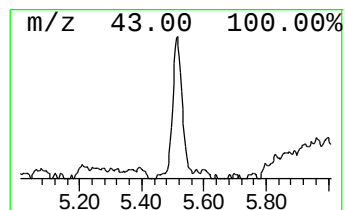
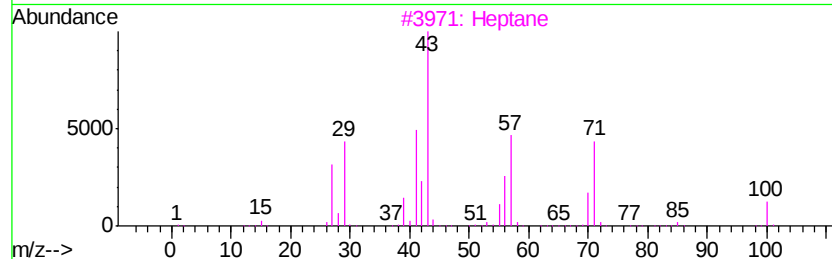
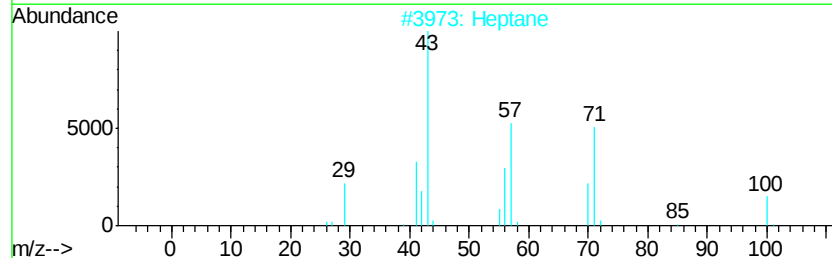
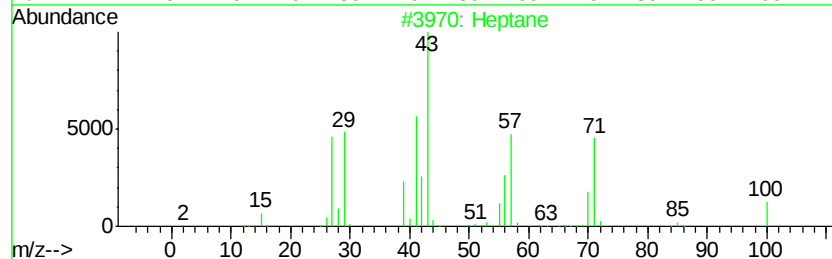
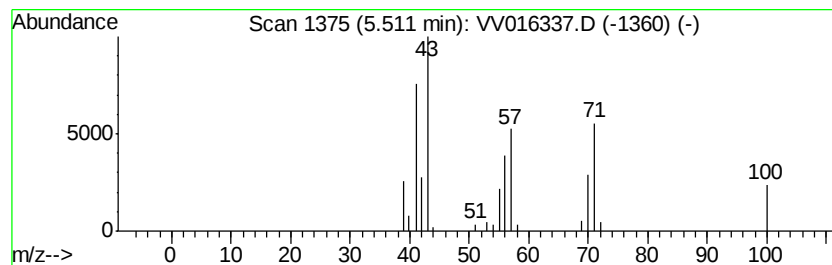
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.51 | 0.91 ug/L | 35570 | 1,4-Difluorobenzene | 5.64 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------|--------------|-----|---------|-------------|------|
| 1       | Heptane           |              | 100 | C7H16   | 000142-82-5 | 72   |
| 2       | Heptane           |              | 100 | C7H16   | 000142-82-5 | 64   |
| 3       | Heptane           |              | 100 | C7H16   | 000142-82-5 | 59   |
| 4       | Heptane           |              | 100 | C7H16   | 000142-82-5 | 45   |
| 5       | Hexane, 3-methyl- |              | 100 | C7H16   | 000589-34-4 | 42   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052920\  
Data File : VV016337.D  
Acq On : 30 May 2020 02:19  
Operator : SY/MD  
Sample : L2826-10  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

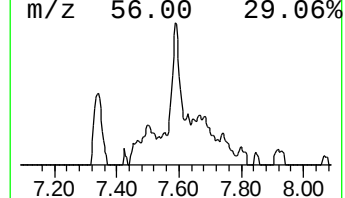
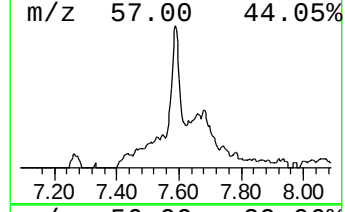
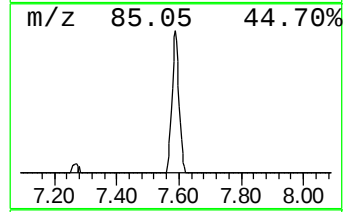
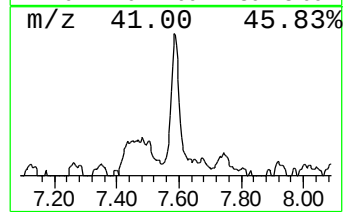
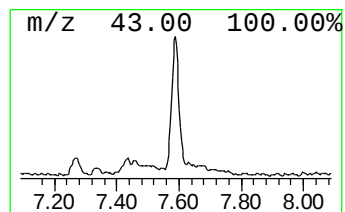
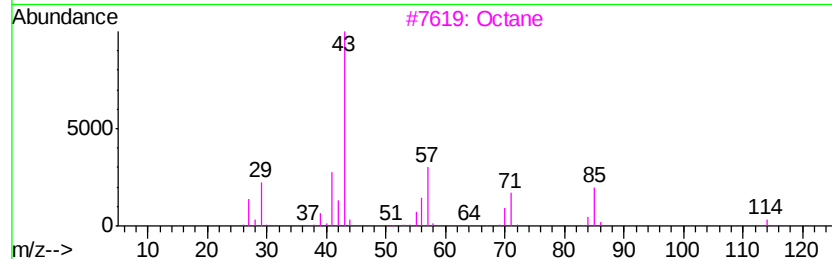
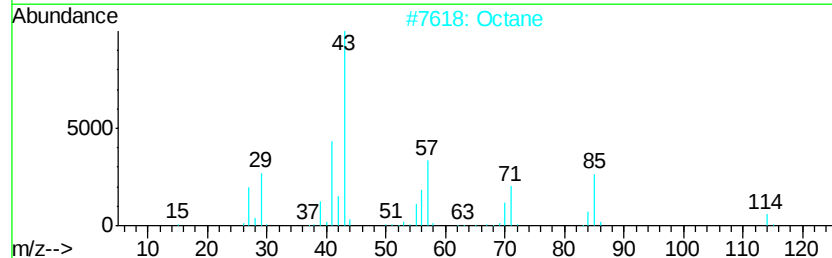
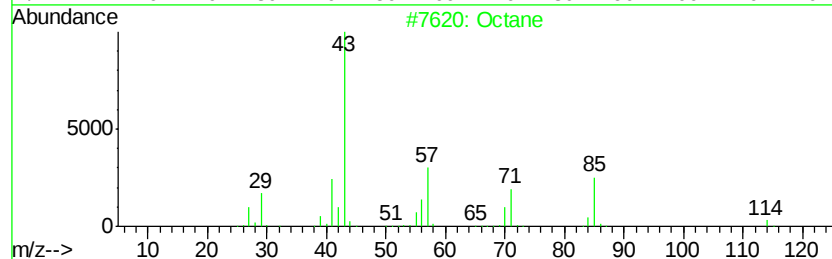
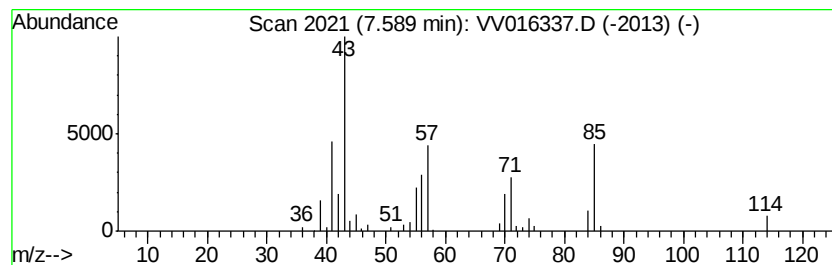
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 7.59 | 0.88 ug/L | 34302 | Chlorobenzene-d5 | 8.87 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane                         | 114 | C8H18   | 000111-65-9 | 91   |
| 2    |    |   | Octane                         | 114 | C8H18   | 000111-65-9 | 87   |
| 3    |    |   | Octane                         | 114 | C8H18   | 000111-65-9 | 72   |
| 4    |    |   | Heptane, 2,4-dimethyl-         | 128 | C9H20   | 002213-23-2 | 50   |
| 5    |    |   | 2,4,6,8-Tetramethyl-1-undecene | 210 | C15H30  | 059920-26-2 | 47   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV052920\  
Data File : VV016337.D  
Acq On : 30 May 2020 02:19  
Operator : SY/MD  
Sample : L2826-10  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWKC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01           | 1.13 | 0.8     | ug/L  | 30687    | 1                     | 5.64 | 195436 | 5.0  |
| Methanethiol         | 1.48 | 3.6     | ug/L  | 142492   | 1                     | 5.64 | 195436 | 5.0  |
| (DEL) Alkane: Str... | 1.82 | 12.9    | ug/L  | 505826   | 1                     | 5.64 | 195436 | 5.0  |
| (DEL) Alkane: Str... | 3.06 | 2.5     | ug/L  | 96894    | 1                     | 5.64 | 195436 | 5.0  |
| (DEL) Alkane: Str... | 5.51 | 0.9     | ug/L  | 35570    | 1                     | 5.64 | 195436 | 5.0  |
| (DEL) Alkane: Str... | 7.59 | 0.9     | ug/L  | 34302    | 2                     | 8.87 | 195196 | 5.0  |