

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010521\  
 Data File : VU041850.D  
 Acq On : 05 Jan 2021 11:26  
 Operator : SY/MD  
 Sample : VU0105WBL01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 06 06:33:20 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR122820WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 06 06:32:42 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 160377   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 149096   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 68123    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 49791    | 3.92     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.40% |
| 7) Chloroethane-d5             | 1.92   | 69    | 51864    | 4.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.40% |
| 11) 1,1-Dichloroethene-d2      | 2.57   | 65    | 24176    | 3.82     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.40% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 147780   | 41.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 82.32% |
| 24) Chloroform-d               | 5.08   | 84    | 97718    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 57528    | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 207085   | 4.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 60937    | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 163794   | 4.11     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 23648    | 4.22     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.40% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 133429   | 44.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.26% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 56620    | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.60% |
| 66) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 62372    | 4.81     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20% |

## Target Compounds

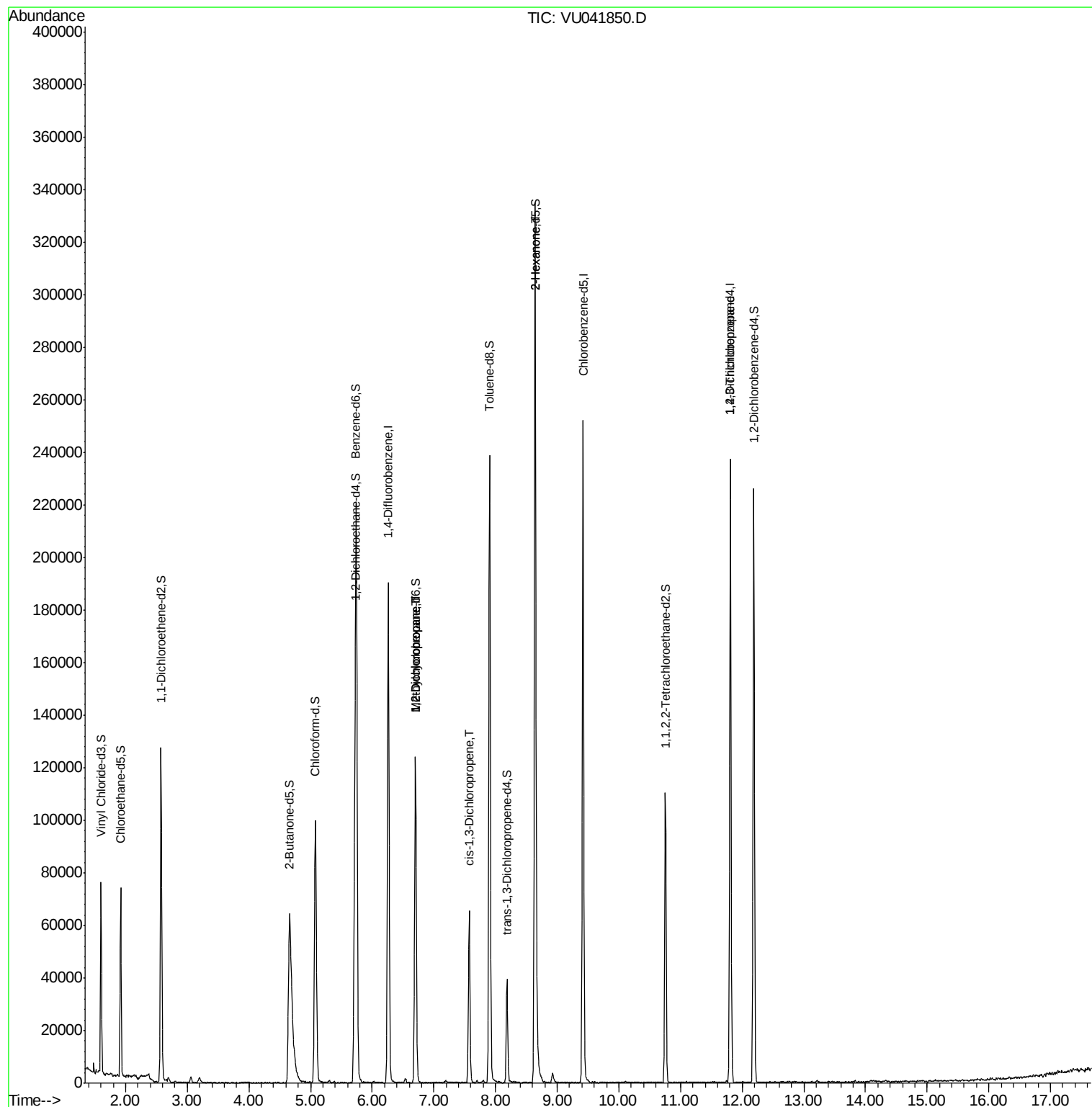
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.70  | 83 | 14788 | 0.830 ug/L # | 20     |
| 37) 1,2-Dichloropropane     | 6.70  | 63 | 6627  | 0.600 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75 | 1663  | 0.100 ug/L # | 75     |
| 48) 2-Hexanone              | 8.64  | 43 | 13918 | 2.692 ug/L # | 65     |
| 61) 1,2,3-Trichloropropane  | 11.81 | 75 | 7184  | 0.939 ug/L # | 63     |

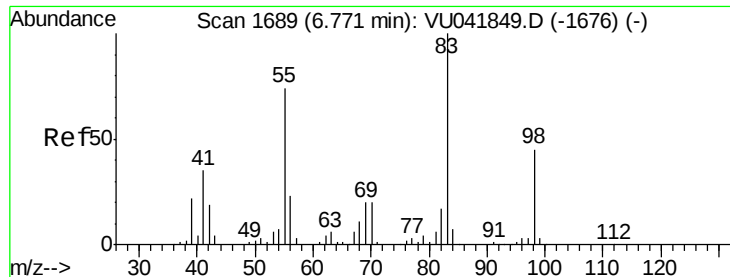
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

Quant Time: Jan 06 06:33:20 2021  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jan 06 06:32:42 2021  
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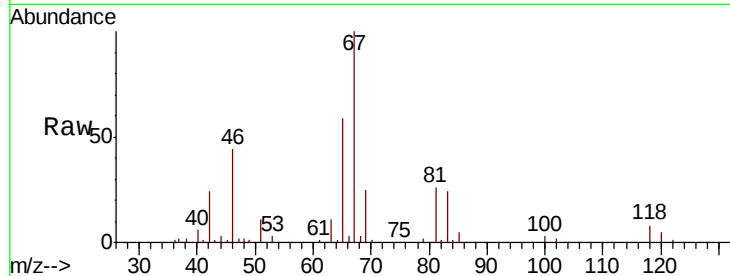




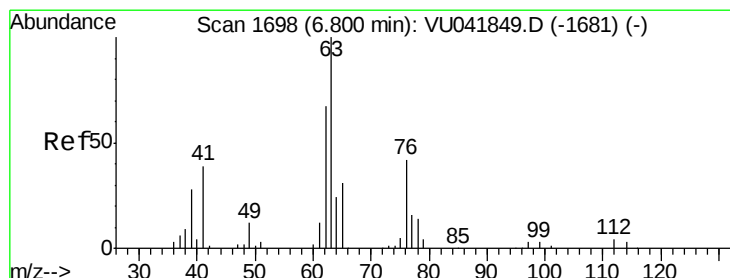
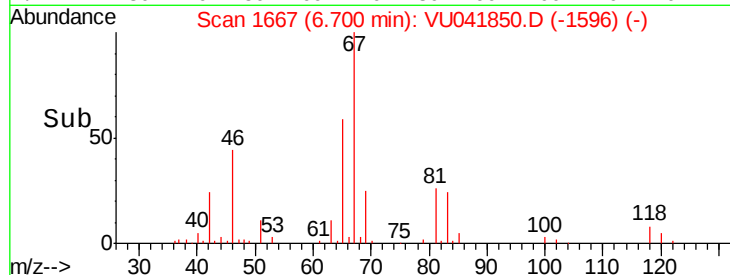
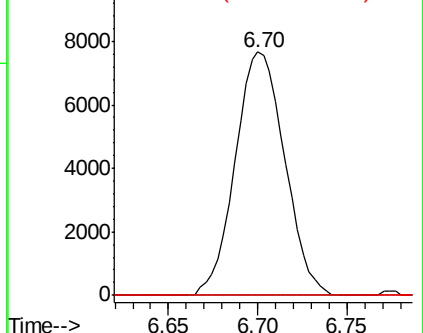
#35  
Methvlcvclohexane  
Concen: 0.830 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.07 min  
Lab File: VU041850.D  
Acq: 05 Jan 2021 11:26

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 14788  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.5 89.3#  
98 2.5 37.9 56.9#

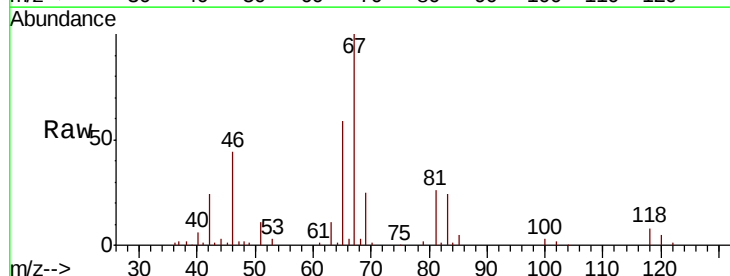


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

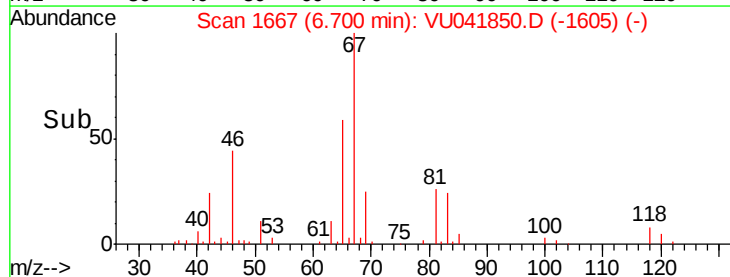
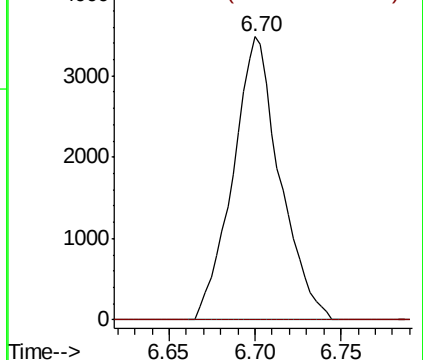


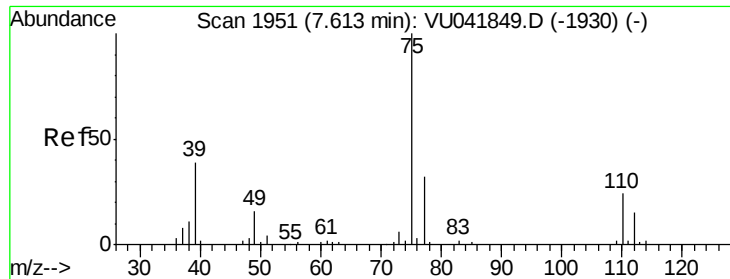
#37  
1,2-Dichloropropane  
Concen: 0.600 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.10 min  
Lab File: VU041850.D  
Acq: 05 Jan 2021 11:26

Tgt Ion: 63 Resp: 6627  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

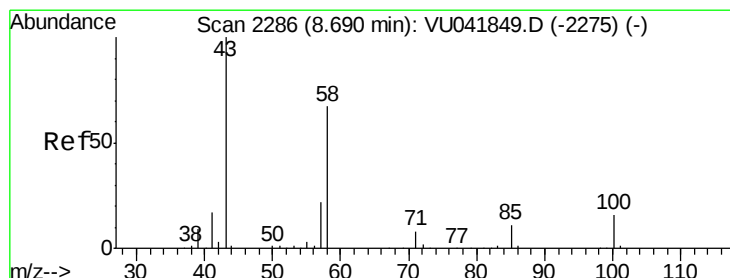
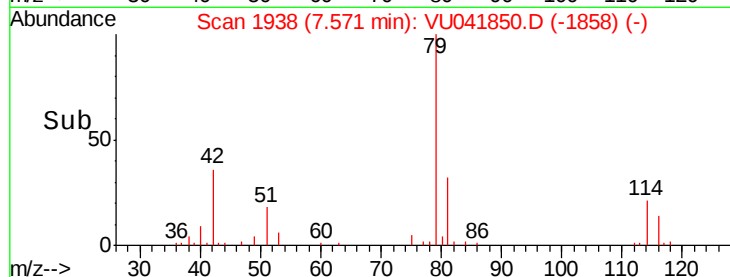
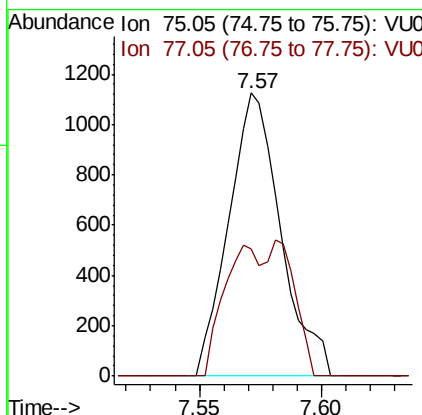
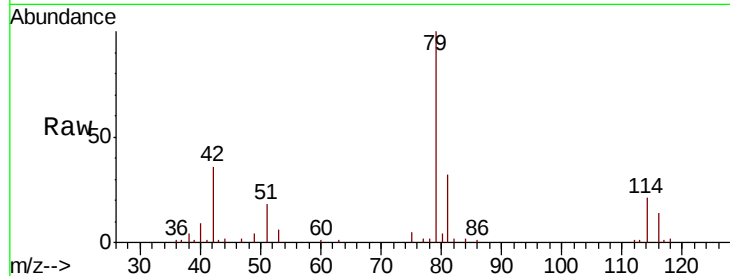




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.100 ug/L  
 RT: 7.57 min Scan# 1938  
 Delta R.T. -0.04 min  
 Lab File: VU041850.D  
 Acq: 05 Jan 2021 11:26

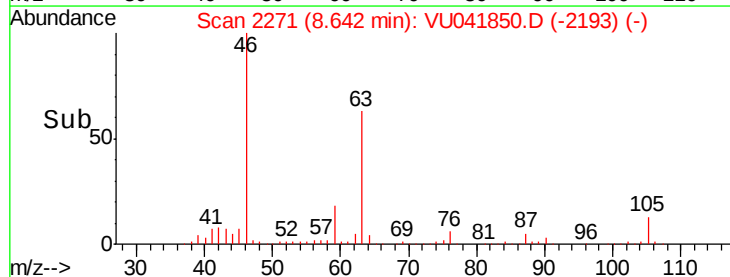
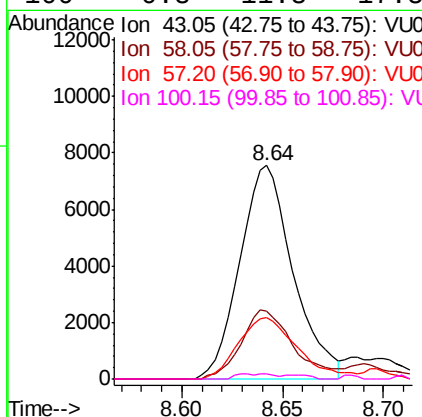
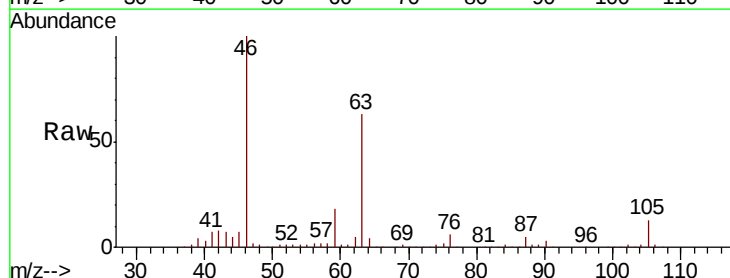
Instrument :  
 MSVOA\_U  
 ClientSampleId :

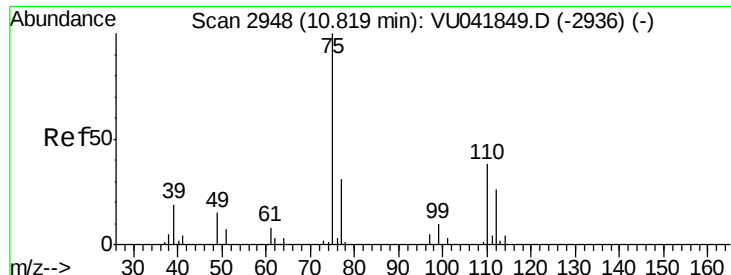
Tot Ion: 75 Resp: 1663  
 Ion Ratio Lower Upper  
 75 100  
 77 45.2 21.8 40.6#



#48  
 2-Hexanone  
 Concen: 2.692 ug/L  
 RT: 8.64 min Scan# 2271  
 Delta R.T. -0.05 min  
 Lab File: VU041850.D  
 Acq: 05 Jan 2021 11:26

Tgt Ion: 43 Resp: 13918  
 Ion Ratio Lower Upper  
 43 100  
 58 31.7 50.0 75.0#  
 57 31.4 17.4 26.0#  
 100 0.8 11.8 17.8#





#61

1,2,3-Trichloropropane

Concen: 0.939 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

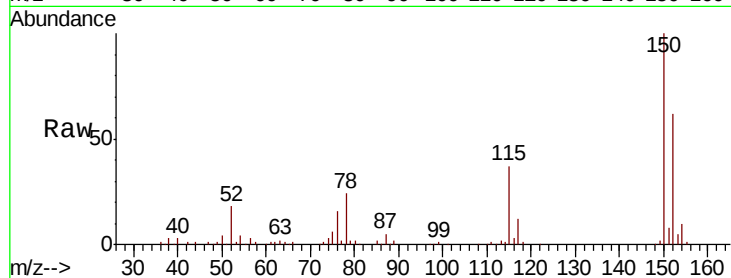
Lab File: VU041850.D

Acq: 05 Jan 2021 11:26

Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 7184  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 1.4   | 31.5  | 47.3# |
| 77       | 28.7  | 26.3  | 39.5  |

