

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\  
 Data File : VU035373.D  
 Acq On : 22 Oct 2019 19:13  
 Operator : JC/SP  
 Sample : K5461-19DL 100X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G70DL

Quant Time: Oct 23 08:40:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 23 08:02:08 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 268456   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 272056   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 89622    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 98911    | 6.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 120.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 90256    | 6.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 120.60% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 128554   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 85.00%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 252219   | 53.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.24% |
| 24) Chloroform-d               | 5.11   | 84    | 167227   | 5.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 111.80% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 93651    | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 113.00% |
| 32) Benzene-d6                 | 5.77   | 84    | 331349   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 112575   | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 114.00% |
| 41) Toluene-d8                 | 7.93   | 98    | 279568   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.00%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 39532    | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.40%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 182195   | 43.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.18%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 90987    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.23  | 152   | 87040    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.60% |

## Target Compounds

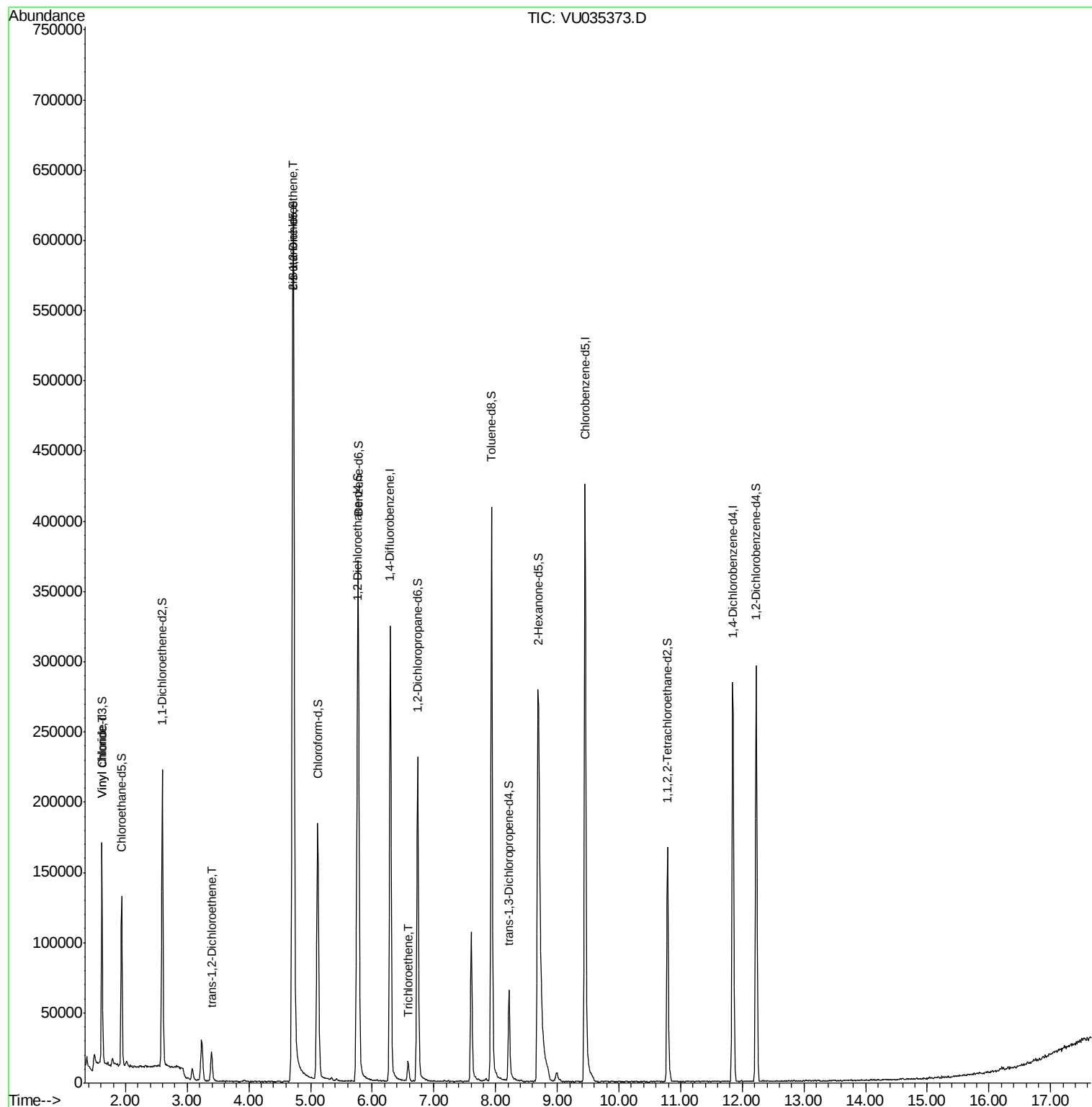
|                              |      |    |        |             | Ovalue |
|------------------------------|------|----|--------|-------------|--------|
| 5) Vinyl chloride            | 1.62 | 62 | 13737  | 0.590 ug/L  | # 43   |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 8411   | 0.452 ug/L  | 99     |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96 | 268851 | 13.068 ug/L | 98     |
| 34) Trichloroethene          | 6.58 | 95 | 4447   | 0.207 ug/L  | 95     |

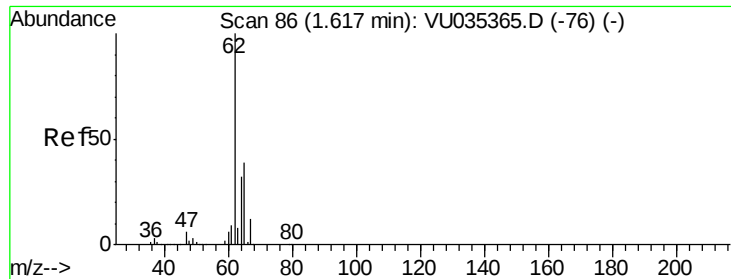
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.590 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035373.D

Acq: 22 Oct 2019 19:13

Instrument :

MSVOA\_U

ClientSampleId :

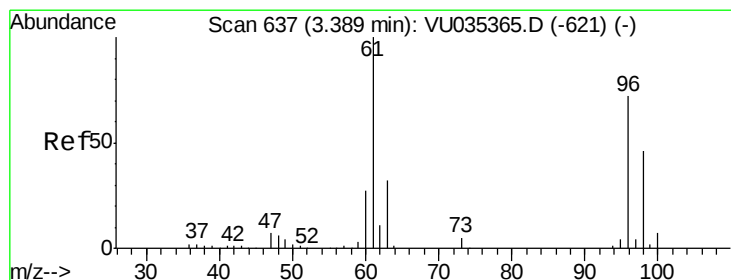
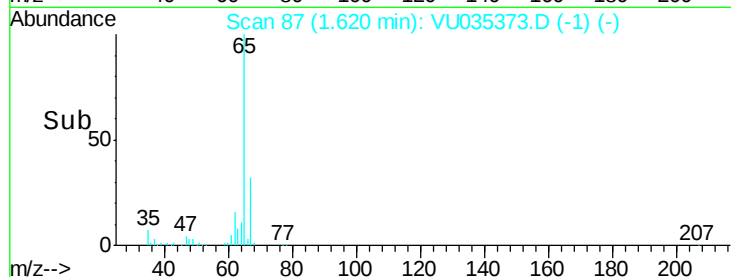
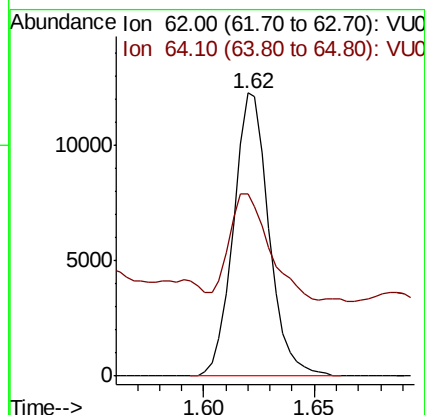
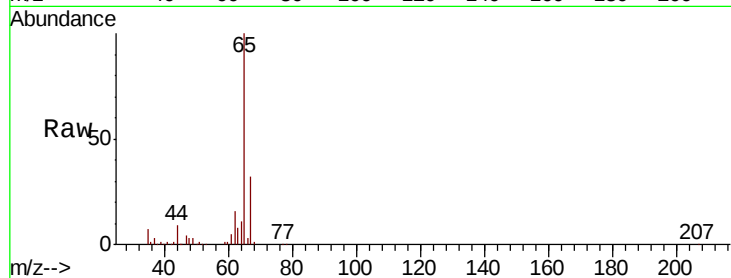
H0G70DL

Tot Ion: 62 Resp: 13737

Ion Ratio Lower Upper

62 100

64 64.5 22.9 42.5#



#18

trans-1,2-Dichloroethene

Concen: 0.452 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU035373.D

Acq: 22 Oct 2019 19:13

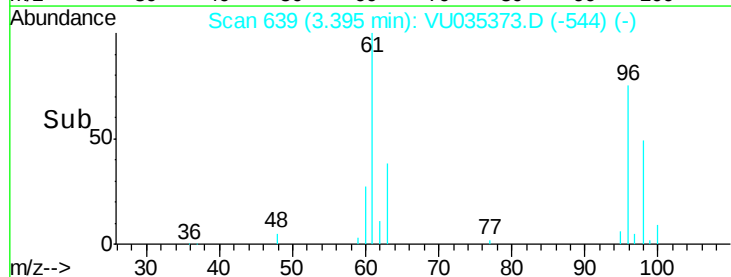
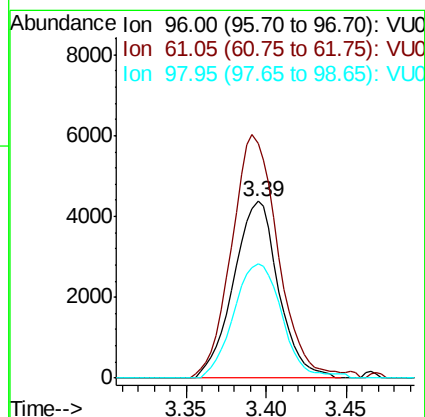
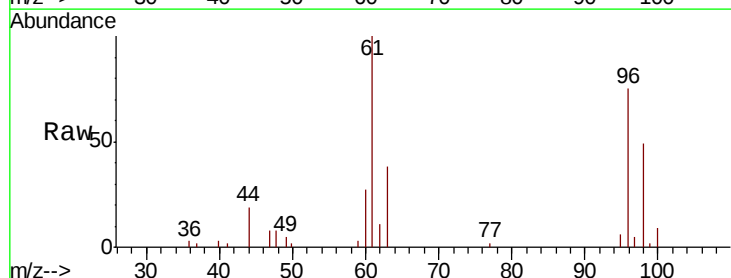
Tgt Ion: 96 Resp: 8411

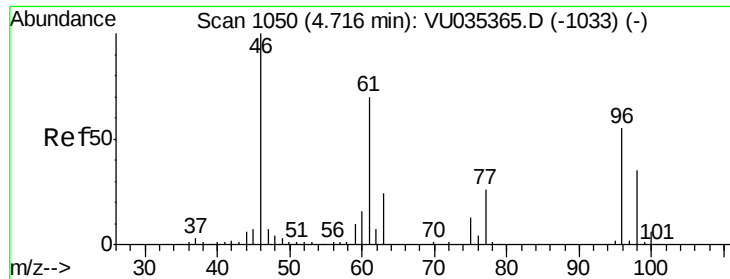
Ion Ratio Lower Upper

96 100

61 133.3 93.0 172.6

98 64.7 43.7 81.1

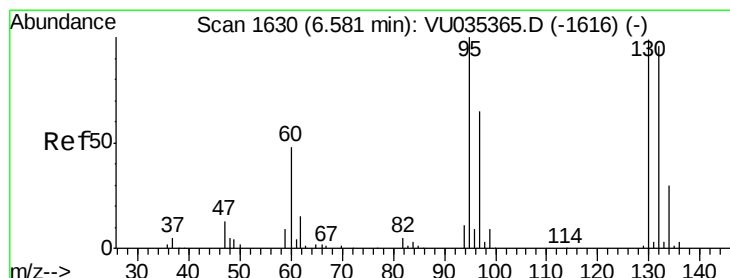
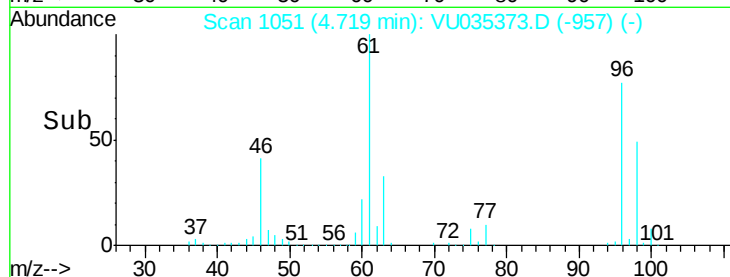
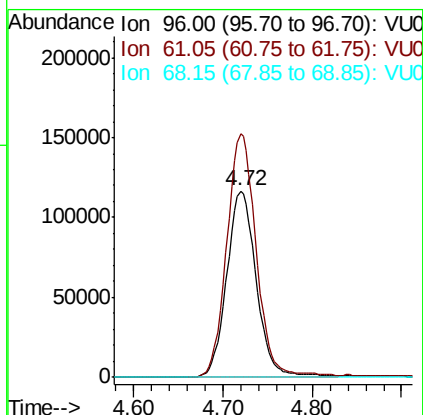
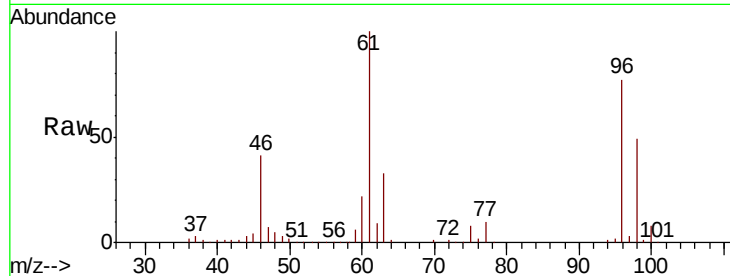




#22  
 cis-1,2-Dichloroethene  
 Concen: 13.068 ug/L  
 RT: 4.72 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VU035373.D  
 Acq: 22 Oct 2019 19:13

Instrument :  
 MSVOA\_U  
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 H0G70DL

Tot Ion: 96 Resp: 268851  
 Ion Ratio Lower Upper  
 96 100  
 61 130.5 89.7 166.5  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 0.207 ug/L  
 RT: 6.58 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: VU035373.D  
 Acq: 22 Oct 2019 19:13

Tgt Ion: 95 Resp: 4447  
 Ion Ratio Lower Upper  
 95 100  
 97 63.7 46.6 86.6  
 132 92.7 68.7 127.7  
 130 112.2 73.9 137.3

