

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101819\  
 Data File : VU035284.D  
 Acq On : 18 Oct 2019 22:17  
 Operator : JC/SP  
 Sample : K5419-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FZ3

Quant Time: Nov 02 00:06:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 19 03:38:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 320476   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 315572   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.85 | 152  | 112355   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 110722   | 5.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 113.40% |
| 7) Chloroethane-d5             | 1.93   | 69    | 93921    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.20% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 147692   | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.80%  |
| 20) 2-Butanone-d5              | 4.71   | 46    | 281026   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.08% |
| 24) Chloroform-d               | 5.11   | 84    | 195747   | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.60% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 110207   | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.40% |
| 32) Benzene-d6                 | 5.77   | 84    | 394341   | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.20% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 124526   | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 365054   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.80% |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 54135    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.40%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 230924   | 47.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.18%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 104991   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.23  | 152   | 110749   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.20% |

## Target Compounds

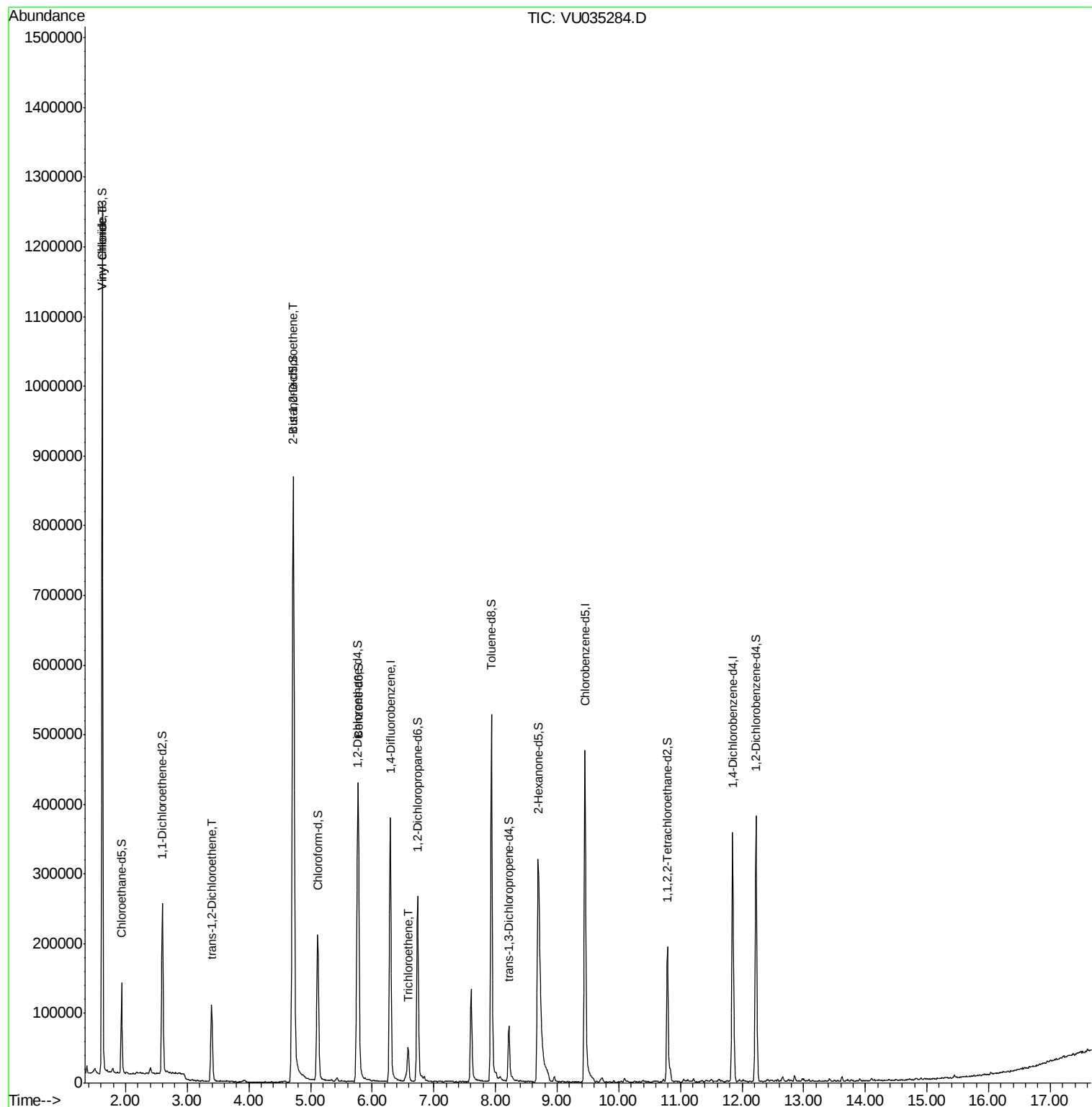
|                              |      |    |        |             | Qvalue |
|------------------------------|------|----|--------|-------------|--------|
| 5) Vinyl chloride            | 1.62 | 62 | 770918 | 27.744 ug/L | 99     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 47731  | 2.148 ug/L  | 95     |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96 | 405436 | 16.509 ug/L | 99     |
| 34) Trichloroethene          | 6.58 | 95 | 16919  | 0.678 ug/L  | 94     |

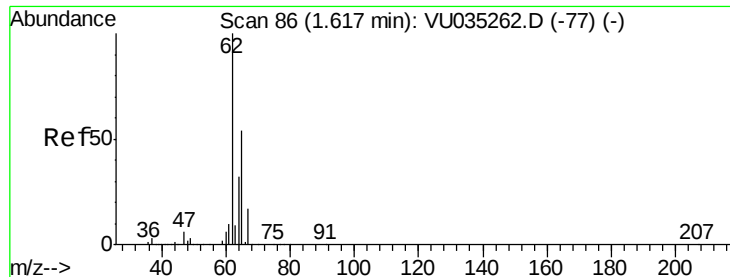
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 19 03:38:09 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 27.744 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035284.D

Acq: 18 Oct 2019 22:17

Instrument :

MSVOA\_U

ClientSampleId :

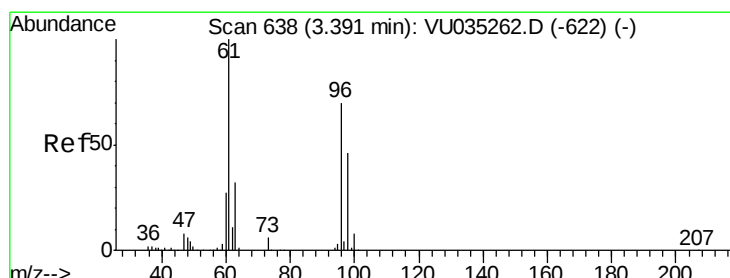
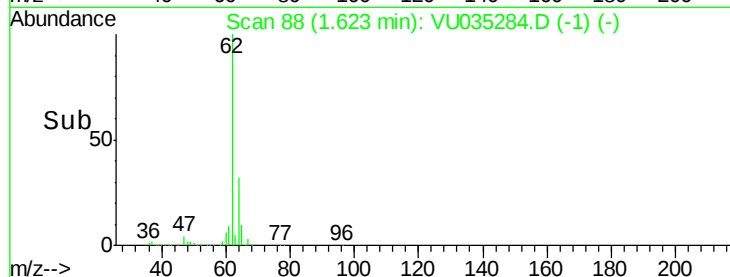
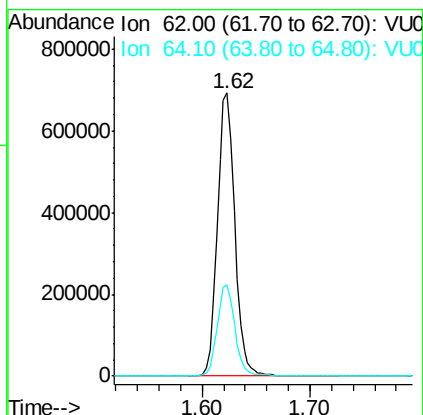
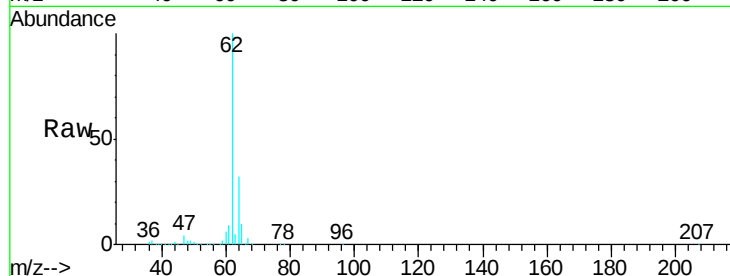
H0FZ3

Tgt Ion: 62 Resp: 770918

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



#18

trans-1,2-Dichloroethene

Concen: 2.148 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035284.D

Acq: 18 Oct 2019 22:17

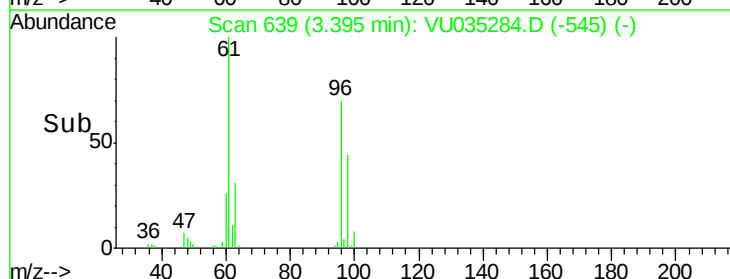
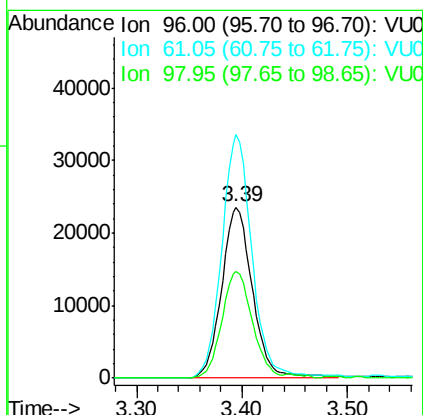
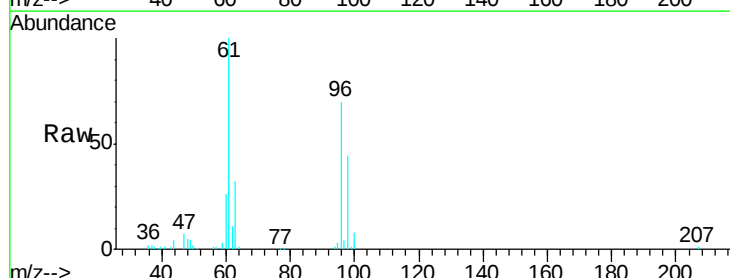
Tgt Ion: 96 Resp: 47731

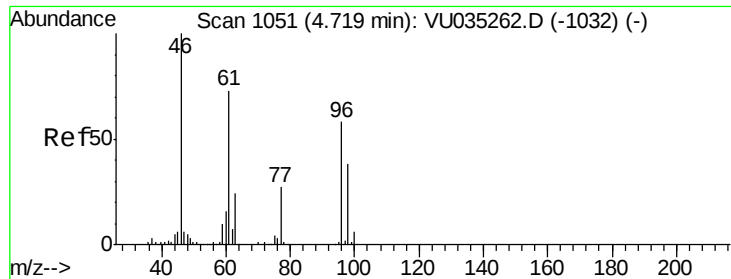
Ion Ratio Lower Upper

96 100

61 142.2 93.0 172.6

98 62.4 43.7 81.1

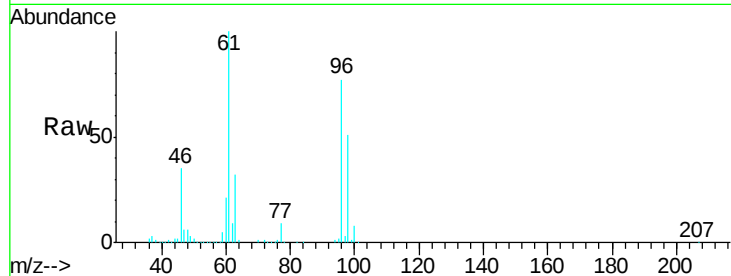




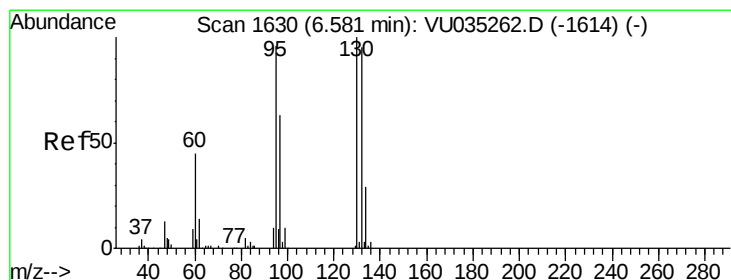
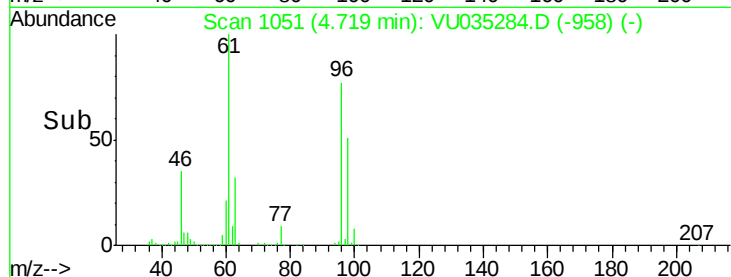
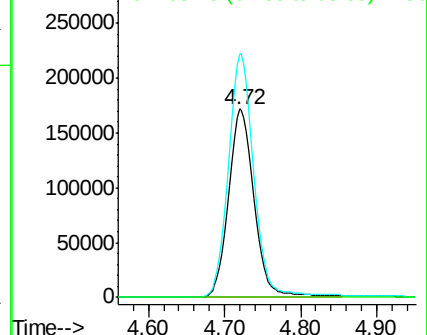
#22  
 cis-1,2-Dichloroethene  
 Concen: 16.509 ug/L  
 RT: 4.72 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VU035284.D  
 Acq: 18 Oct 2019 22:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FZ3

Tgt Ion: 96 Resp: 405436  
 Ion Ratio Lower Upper  
 96 100  
 61 129.2 89.7 166.5  
 68 0.0 0.0 0.0

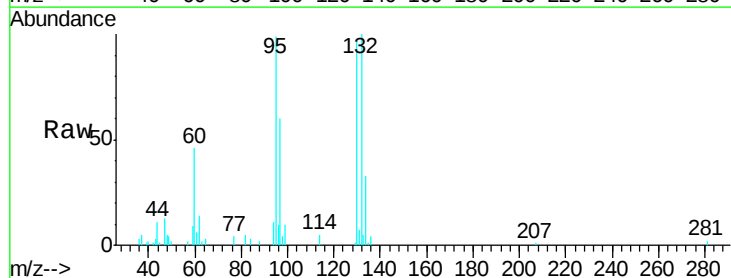


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0



#34  
 Trichloroethene  
 Concen: 0.678 ug/L  
 RT: 6.58 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: VU035284.D  
 Acq: 18 Oct 2019 22:17

Tgt Ion: 95 Resp: 16919  
 Ion Ratio Lower Upper  
 95 100  
 97 60.9 46.6 86.6  
 132 101.3 68.7 127.7  
 130 98.1 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

