

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122019\  
 Data File : VU036319.D  
 Acq On : 20 Dec 2019 15:44  
 Operator : JC/MD  
 Sample : K6282-12DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDW8DL

Quant Time: Dec 21 04:31:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 20 22:20:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 251671   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 275701   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 106999   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 97124    | 4.38     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.60% |
| 7) Chloroethane-d5             | 1.93   | 69    | 89093    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 103474   | 3.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.80% |
| 20) 2-Butanone-d5              | 4.68   | 46    | 181402   | 43.69    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.38% |
| 24) Chloroform-d               | 5.11   | 84    | 160256   | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 85315    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 295382   | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.20% |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 95141    | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 232228   | 3.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 71.20% |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 33671    | 3.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.00% |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 133963   | 38.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 77.98% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 85628    | 4.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 89653    | 4.38     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 87.60% |

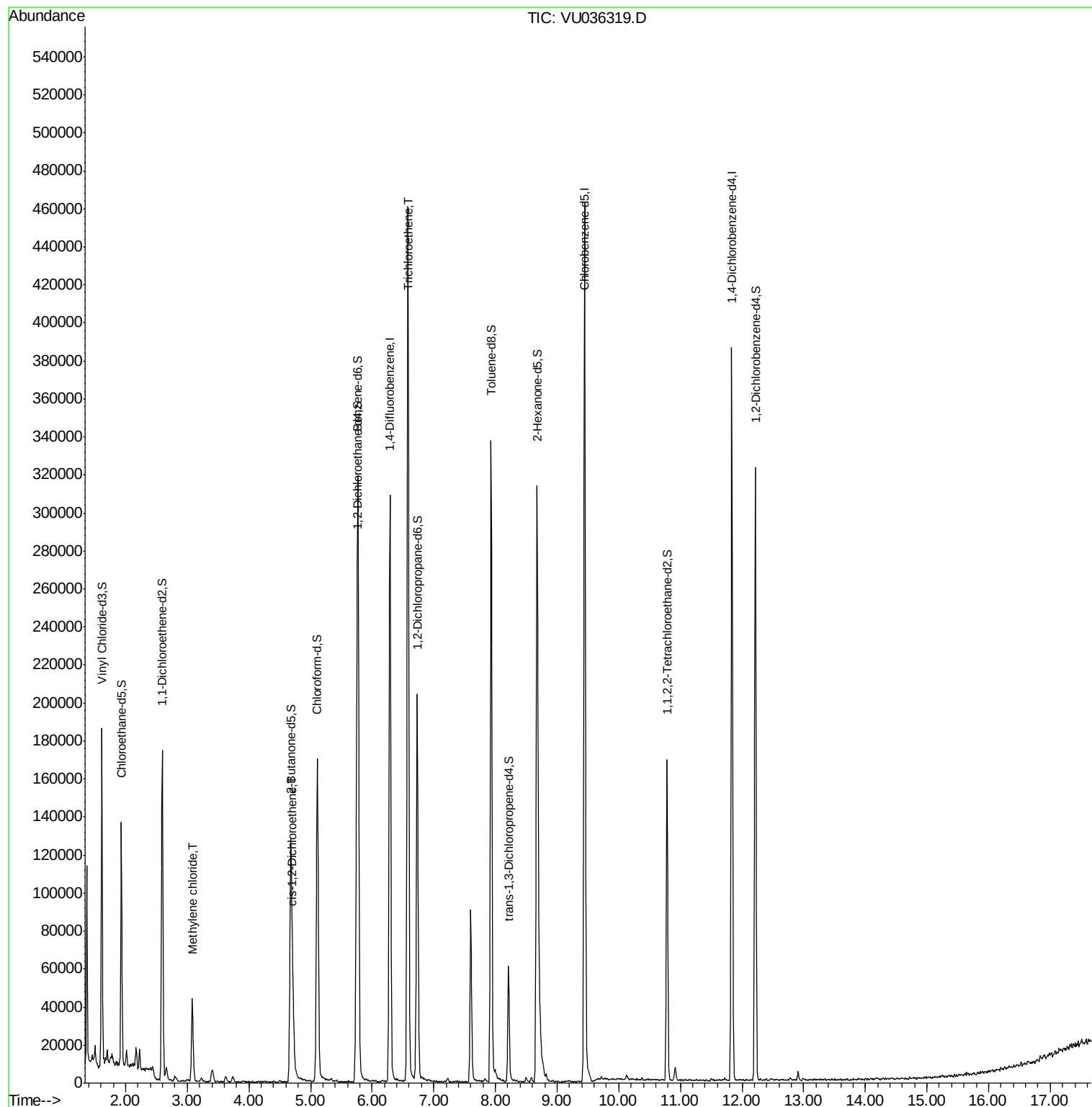
| Target Compounds           |      |    |        |            | Ovalue |
|----------------------------|------|----|--------|------------|--------|
| 16) Methylene chloride     | 3.08 | 84 | 20718  | 0.755 ug/L | 91     |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 17006  | 0.811 ug/L | 93     |
| 34) Trichloroethene        | 6.58 | 95 | 160778 | 7.360 ug/L | 99     |

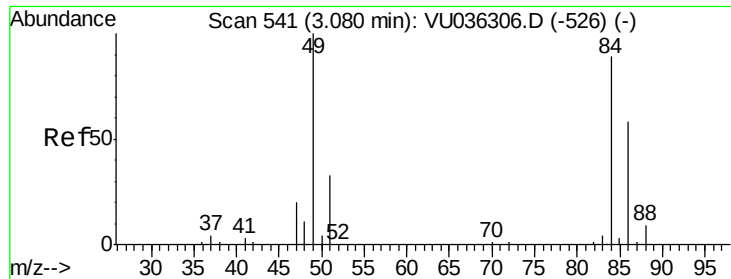
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122019\  
Data File : VU036319.D  
Acq On : 20 Dec 2019 15:44  
Operator : JC/MD  
Sample : K6282-12DL 5X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDW8DL

Quant Time: Dec 21 04:31:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 20 22:20:21 2019  
Response via : Initial Calibration

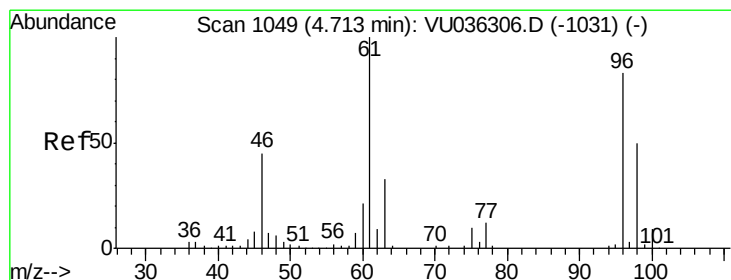
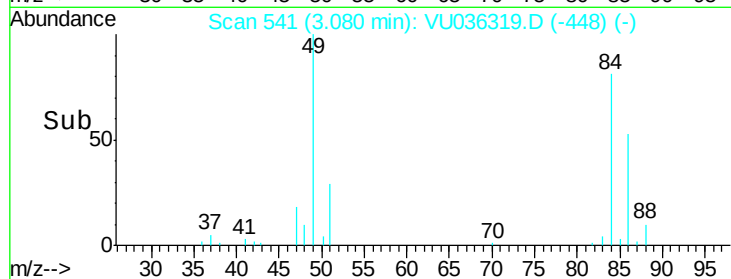
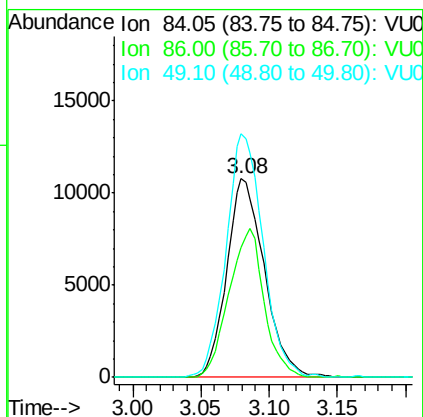
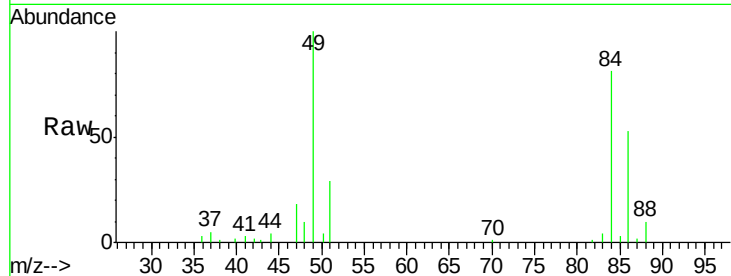




#16  
Methvlene chloride  
Concen: 0.755 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU036319.D  
Acq: 20 Dec 2019 15:44

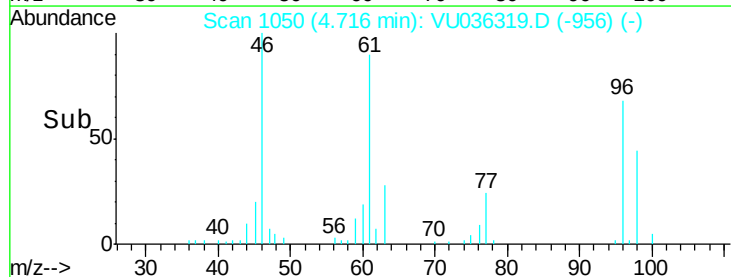
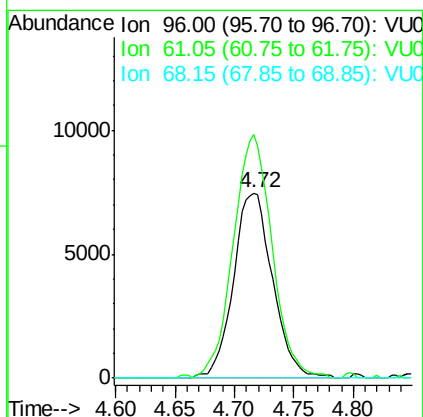
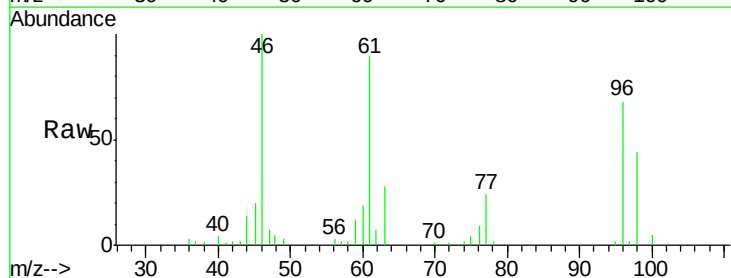
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDW8DL

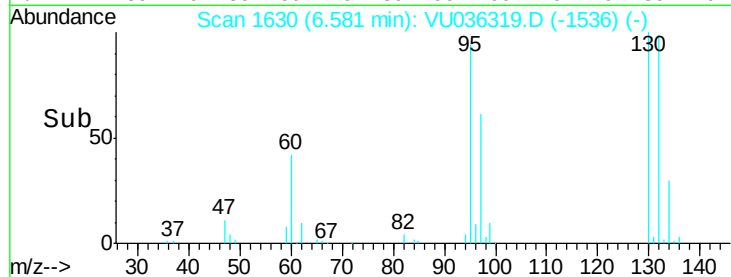
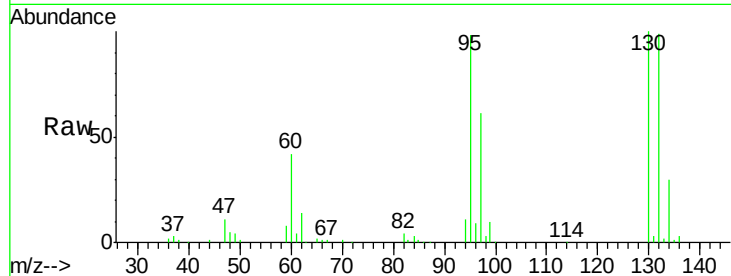
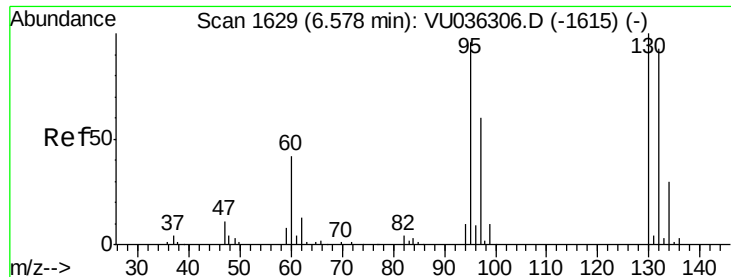
Tot Ion: 84 Resp: 20718  
Ion Ratio Lower Upper  
84 100  
86 65.2 43.0 79.8  
49 122.7 77.3 143.5



#22  
cis-1,2-Dichloroethene  
Concen: 0.811 ug/L  
RT: 4.72 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VU036319.D  
Acq: 20 Dec 2019 15:44

Tgt Ion: 96 Resp: 17006  
Ion Ratio Lower Upper  
96 100  
61 131.7 86.7 161.1  
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 7.360 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036319.D

Acq: 20 Dec 2019 15:44

Instrument :

MSVOA\_U

ClientSampleId :

BFDW8DL

Tot Ion: 95 Resp: 160778

Ion Ratio Lower Upper

95 100

97 62.6 43.6 81.0

132 101.1 69.6 129.2

130 102.1 70.3 130.7

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

