

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012221\  
 Data File : VV020148.D  
 Acq On : 22 Jan 2021 20:10  
 Operator : SY/MD  
 Sample : M1181-15DL 50X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F1E34DL

Quant Time: Jan 23 00:19:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 23 00:14:09 2021  
 Response via : Initial Calibration

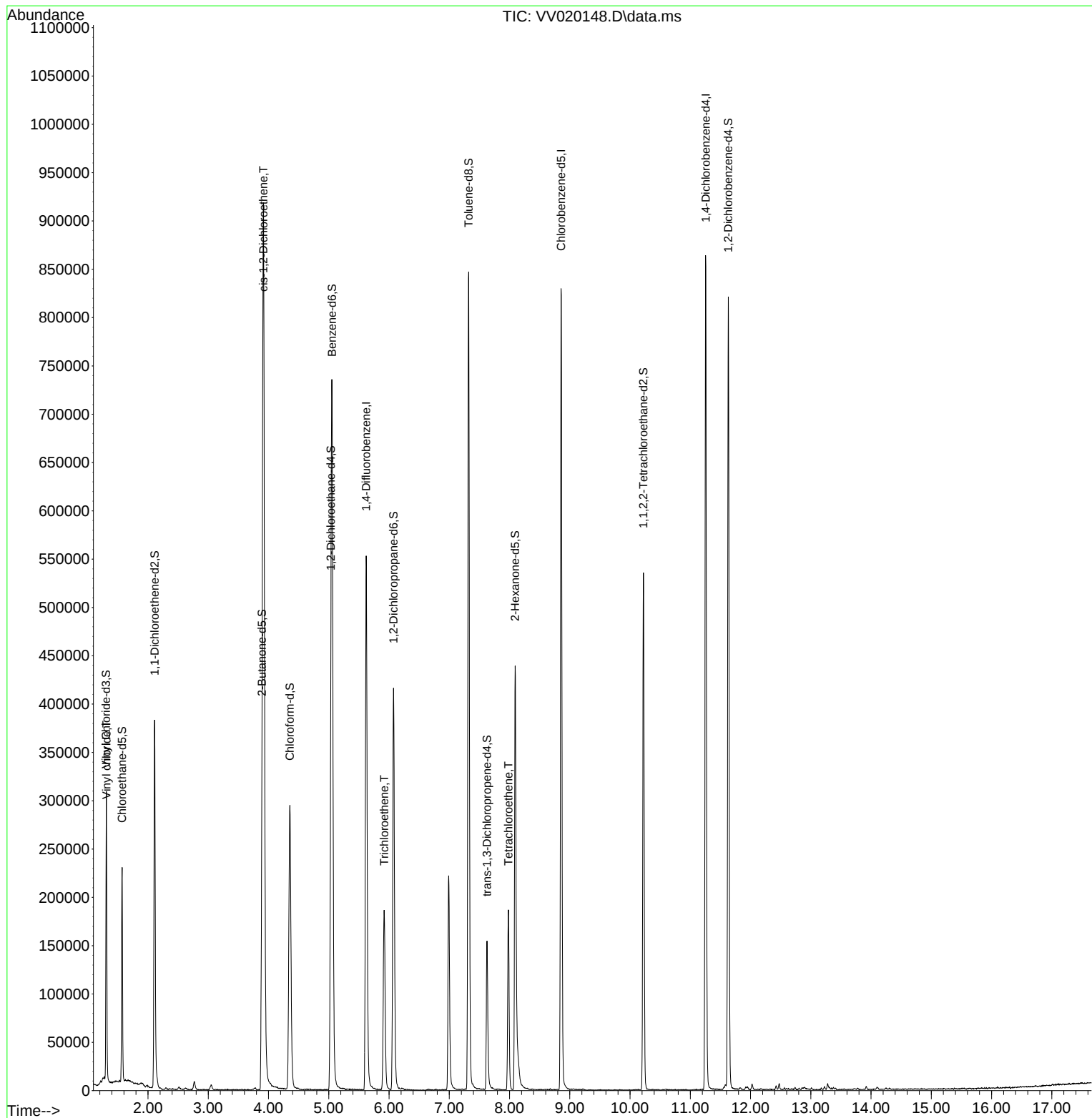
| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.621          | 114  | 457906     | 50.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.859          | 117  | 447280     | 50.00   | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.257         | 152  | 210466     | 50.00   | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.306          | 65   | 157534     | 46.38   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 92.76%  |       |          |
| 7) Chloroethane-d5            | 1.570          | 69   | 132116     | 46.47   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 92.94%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.110          | 63   | 202160     | 29.80   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 59.60%# |       |          |
| 21) 2-Butanone-d5             | 3.891          | 46   | 215623     | 92.57   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 92.57%  |       |          |
| 24) Chloroform-d              | 4.354          | 84   | 290868     | 45.72   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.44%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.036          | 65   | 212004     | 48.08   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.16%  |       |          |
| 32) Benzene-d6                | 5.055          | 84   | 607421     | 49.31   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.62%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.074          | 67   | 193275     | 49.70   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 99.40%  |       |          |
| 41) Toluene-d8                | 7.322          | 98   | 545259     | 47.58   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.16%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.627          | 79   | 84248      | 44.28   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 88.56%  |       |          |
| 47) 2-Hexanone-d5             | 8.093          | 63   | 137373     | 84.98   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 84.98%  |       |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222         | 84   | 240244     | 45.13   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 90.26%  |       |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.630         | 152  | 190084     | 48.06   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.12%  |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 5) Vinyl chloride             | 1.312          | 62   | 24410      | 6.15    | ug/L  | # 70     |
| 20) cis-1,2-Dichloroethene    | 3.914          | 96   | 456153     | 137.68  | ug/L  | 98       |
| 34) Trichloroethene           | 5.920          | 95   | 59202      | 15.58   | ug/L  | 94       |
| 46) Tetrachloroethene         | 7.981          | 164  | 38340      | 13.52   | ug/L  | 98       |
| -----                         |                |      |            |         |       |          |

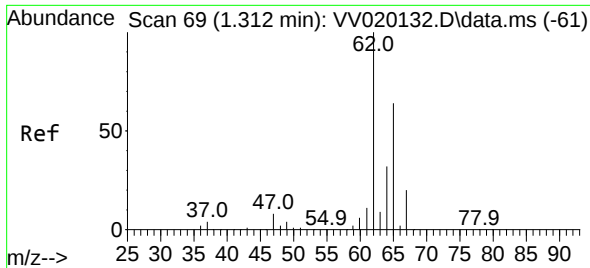
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Jan 23 00:14:09 2021  
Response via : Initial Calibration

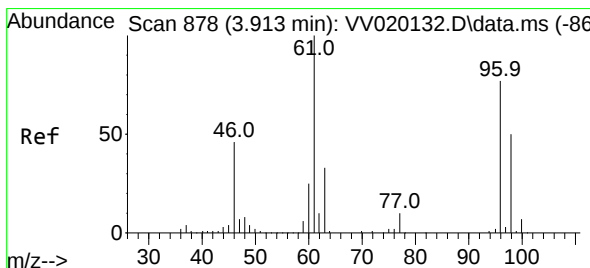
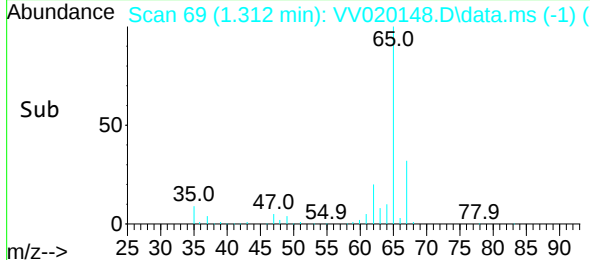
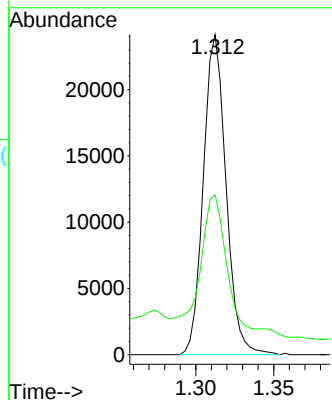
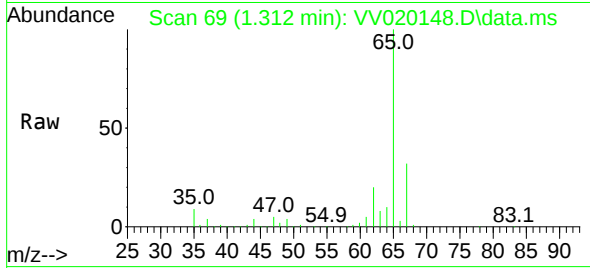




#5  
 Vinyl chloride  
 Concen: 6.15 ug/L  
 RT: 1.312 min Scan# 69  
 Delta R.T. 0.000 min  
 Lab File: VV020148.D  
 Acq: 22 Jan 2021 20:10

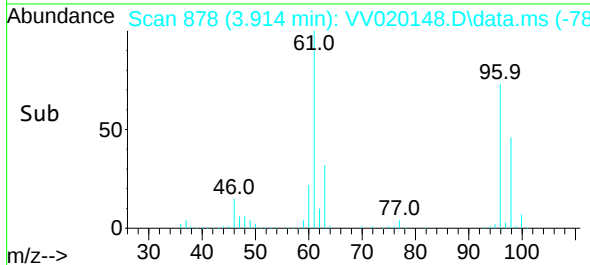
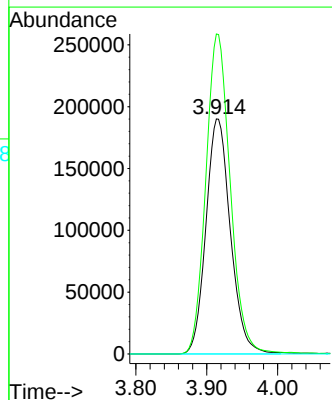
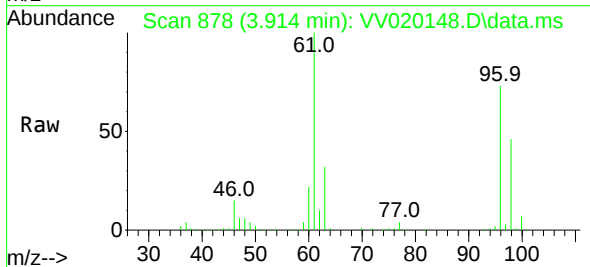
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 F1E34DL

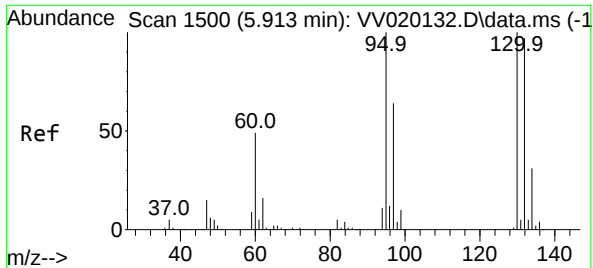
Tgt Ion: 62 Resp: 24410  
 Ion Ratio Lower Upper  
 62 100  
 64 50.0 23.0 42.6#



#20  
 cis-1,2-Dichloroethene  
 Concen: 137.68 ug/L  
 RT: 3.914 min Scan# 878  
 Delta R.T. 0.000 min  
 Lab File: VV020148.D  
 Acq: 22 Jan 2021 20:10

Tgt Ion: 96 Resp: 456153  
 Ion Ratio Lower Upper  
 96 100  
 61 136.1 96.9 179.9  
 68 0.0 0.0 0.0



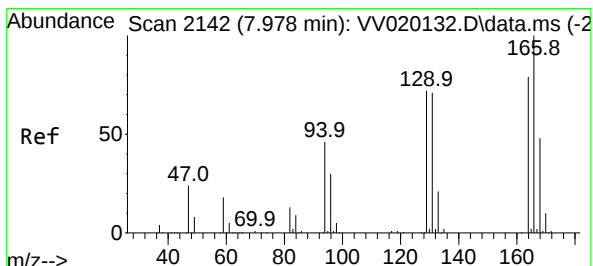
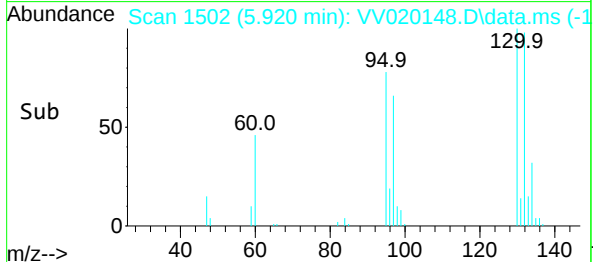
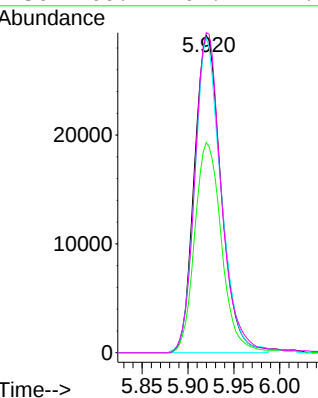
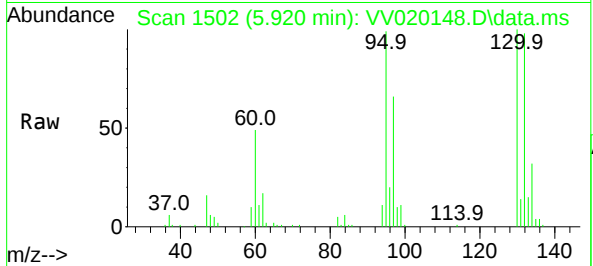


#34  
Trichloroethene  
Concen: 15.58 ug/L  
RT: 5.920 min Scan# 1502  
Delta R.T. 0.006 min  
Lab File: VV020148.D  
Acq: 22 Jan 2021 20:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
F1E34DL

Tgt Ion: 95 Resp: 59202

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.2  | 44.5  | 82.7  |
| 132 | 99.1  | 63.4  | 117.8 |
| 130 | 100.9 | 67.1  | 124.5 |



#46  
Tetrachloroethene  
Concen: 13.52 ug/L  
RT: 7.981 min Scan# 2143  
Delta R.T. 0.003 min  
Lab File: VV020148.D  
Acq: 22 Jan 2021 20:10

Tgt Ion: 164 Resp: 38340

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.4  | 70.6  | 131.0 |
| 131 | 99.1  | 66.8  | 124.0 |
| 166 | 126.1 | 88.2  | 163.8 |

