

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\  
 Data File : VV015029.D  
 Acq On : 18 Mar 2020 21:37  
 Operator : SY/MD  
 Sample : L1941-21  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CODN0

Quant Time: Mar 19 05:19:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 19 04:08:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 339428   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 330522   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 160680   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 83342    | 52.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 105.10% |
| 7) Chloroethane-d5             | 1.58    | 69    | 64523    | 51.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.76% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 104969   | 38.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.46%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 100275   | 93.26    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.26%  |
| 24) Chloroform-d               | 4.38    | 84    | 199254   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.14%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 127899   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.08% |
| 32) Benzene-d6                 | 5.08    | 84    | 404802   | 51.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.22% |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 117805   | 51.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.66% |
| 41) Toluene-d8                 | 7.34    | 98    | 397618   | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.72% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 58837    | 47.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.92%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 109479   | 103.53   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.53% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 171661   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.42%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 170738   | 52.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.86% |

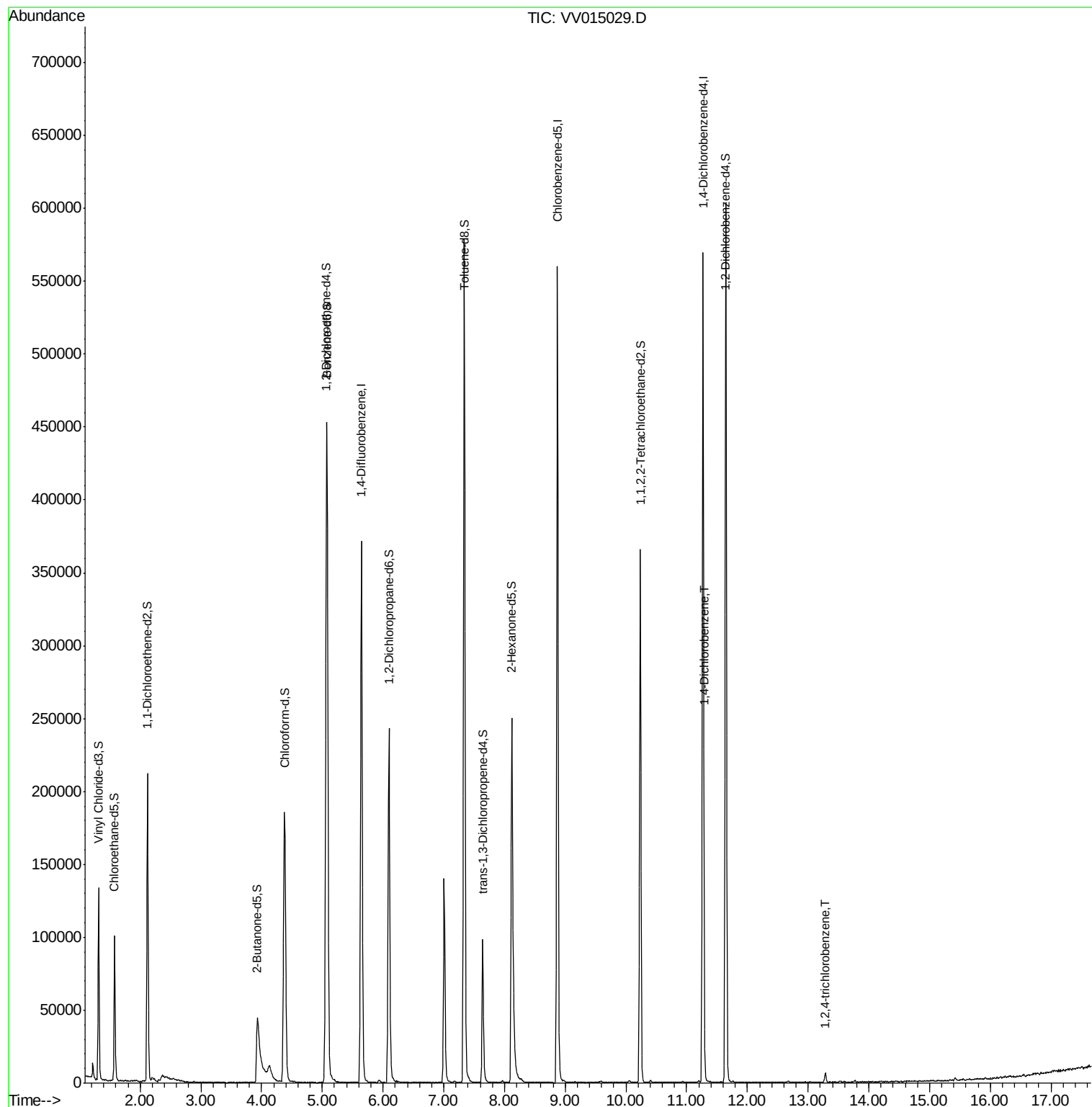
| Target Compounds           |       |     |      |              | Ovalue |
|----------------------------|-------|-----|------|--------------|--------|
| 63) 1,4-Dichlorobenzene    | 11.29 | 146 | 4816 | 0.957 ug/L   | 90     |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 2291 | 0.650 ug/L # | 73     |

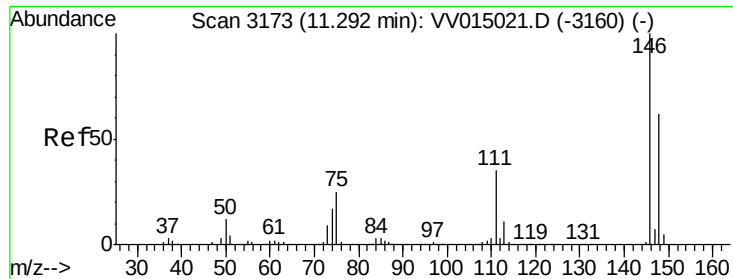
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
C0DN0

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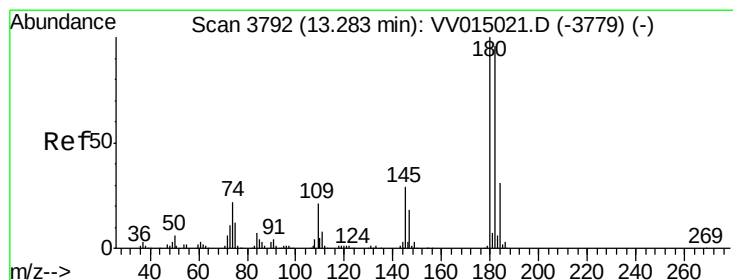
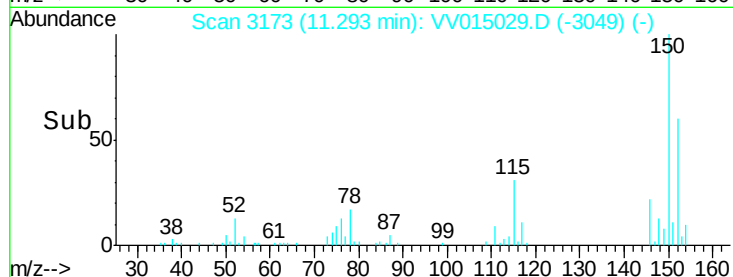
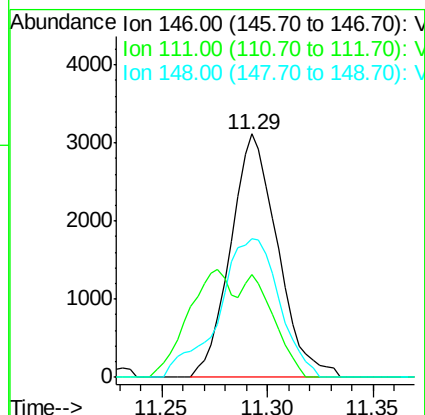
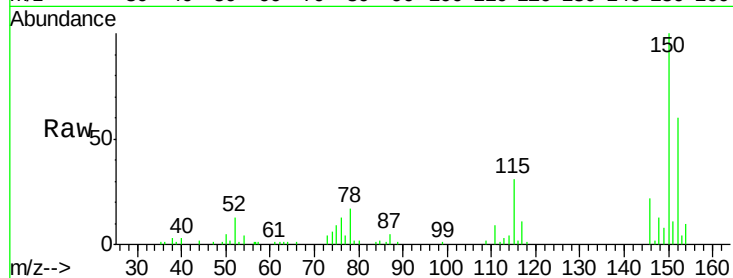




#63  
 1,4-Dichlorobenzene  
 Concen: 0.957 ug/L  
 RT: 11.29 min Scan# 3173  
 Delta R.T. 0.00 min  
 Lab File: VV015029.D  
 Acq: 18 Mar 2020 21:37

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 CODN0

Tot Ion:146 Resp: 4816  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 25.8 48.0  
 148 56.9 45.7 84.9



#68  
 1,2,4-trichlorobenzene  
 Concen: 0.650 ug/L  
 RT: 13.29 min Scan# 3793  
 Delta R.T. 0.00 min  
 Lab File: VV015029.D  
 Acq: 18 Mar 2020 21:37

Tgt Ion:180 Resp: 2291  
 Ion Ratio Lower Upper  
 180 100  
 182 126.1 76.3 114.5#  
 145 21.9 22.2 33.4#

