

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\  
 Data File : VW016119.D  
 Acq On : 10 Aug 2020 23:04  
 Operator : SY/VA  
 Sample : L3599-02  
 Misc : 6.76G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 11 02:00:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 11 01:19:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 408686   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 390546   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 155892   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 122606   | 24.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.80%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 88437    | 22.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.96%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 188070   | 17.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.92%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 87735    | 65.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 131.60%  |
| 24) Chloroform-d               | 7.65   | 84    | 263623   | 24.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.16%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 164745   | 28.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 113.12%  |
| 29) Benzene-d6                 | 8.27   | 84    | 514737   | 24.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.92%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 157492   | 25.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.84%  |
| 37) Toluene-d8                 | 10.32  | 98    | 462476   | 23.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.92%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 70931    | 25.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 73892    | 68.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 137.12%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 156064   | 30.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 122.72%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 146297   | 26.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.88%  |

## Target Compounds

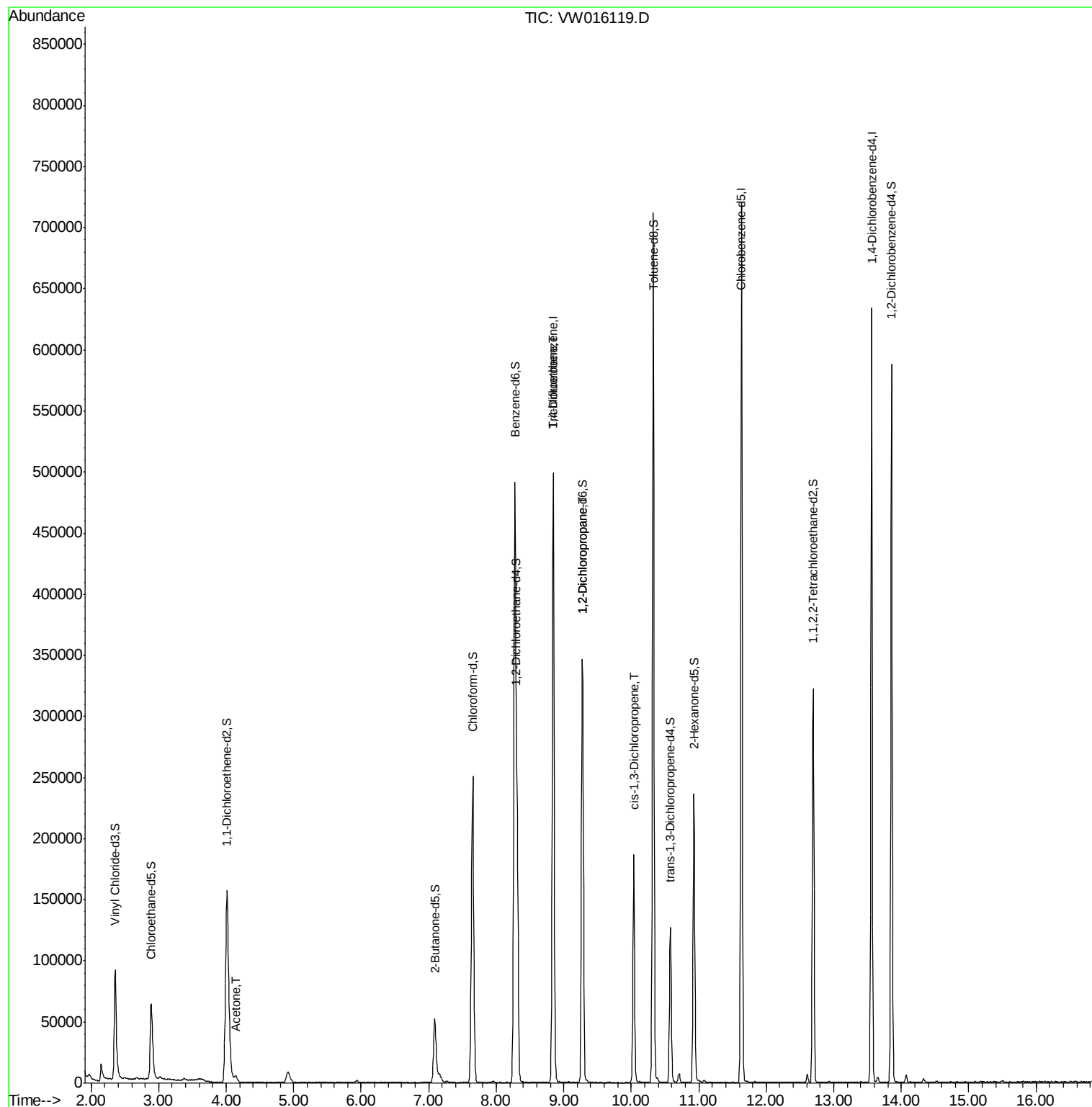
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.15  | 43 | 8866  | 8.790 ug/L   | 91     |
| 35) Trichloroethene         | 8.84  | 95 | 12881 | 2.127 ug/L # | 6      |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 18341 | 3.316 ug/L # | 87     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4755  | 0.565 ug/L # | 67     |

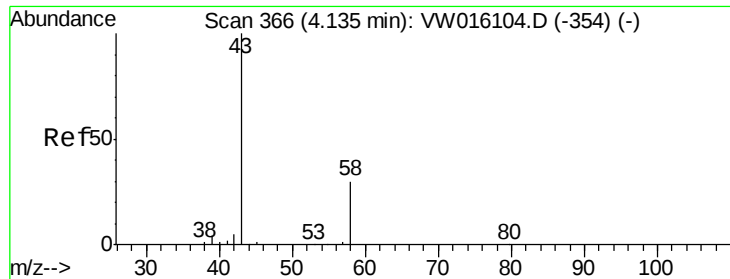
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081020\  
Data File : VW016119.D  
Acq On : 10 Aug 2020 23:04  
Operator : SY/VA  
Sample : L3599-02  
Misc : 6.76G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Aug 11 02:00:33 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Aug 11 01:19:31 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 8.790 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016119.D

Acq: 10 Aug 2020 23:04

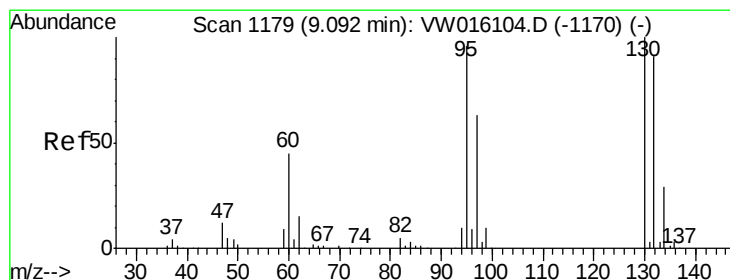
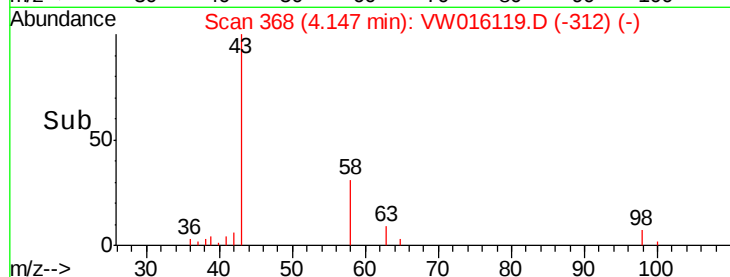
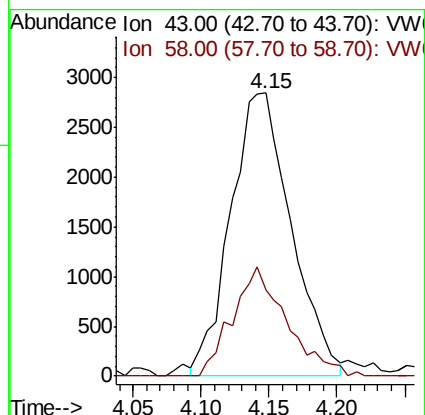
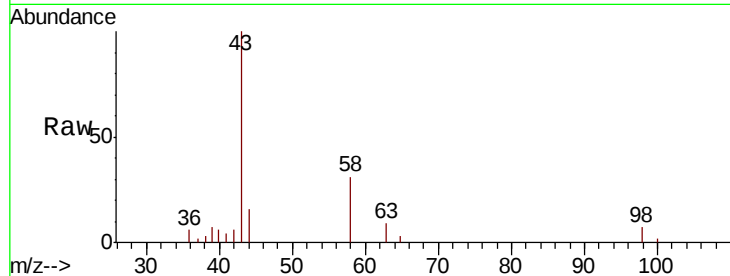
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 8866

Ion Ratio Lower Upper

43 100

58 34.3 0.0 59.4



#35

Trichloroethene

Concen: 2.127 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW016119.D

Acq: 10 Aug 2020 23:04

Tgt Ion: 95 Resp: 12881

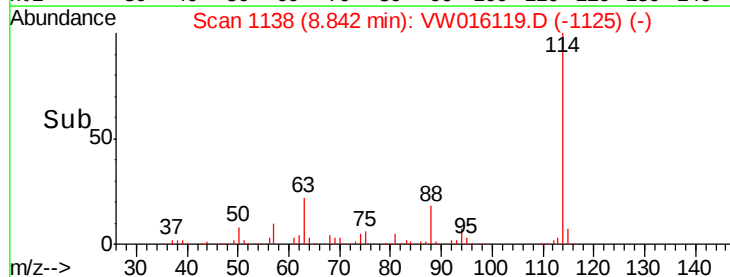
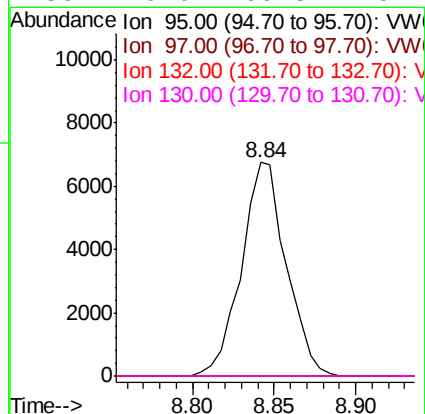
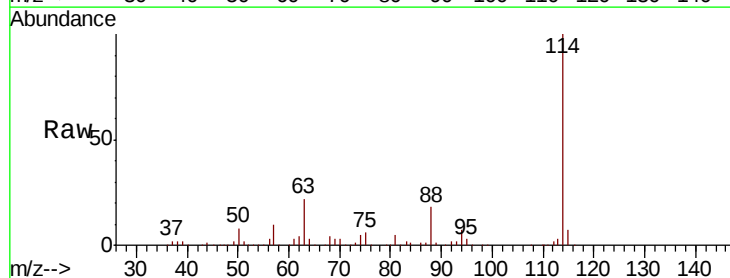
Ion Ratio Lower Upper

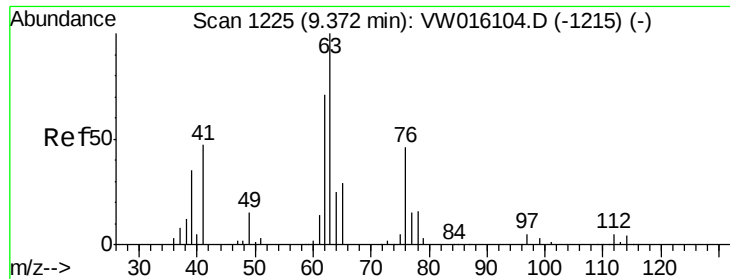
95 100

97 0.0 44.9 83.3#

132 0.0 65.8 122.2#

130 0.0 69.5 129.1#

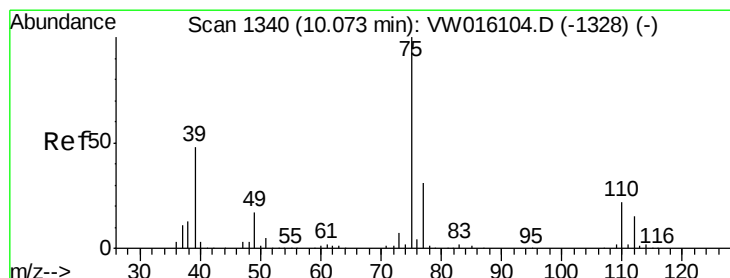
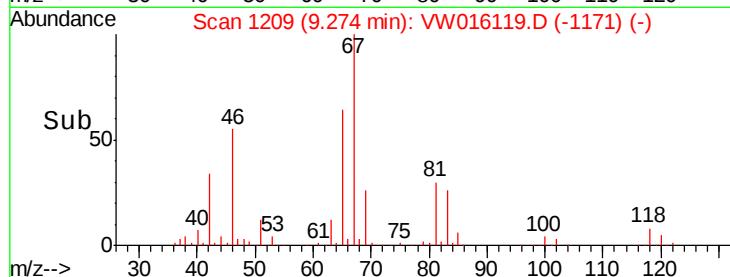
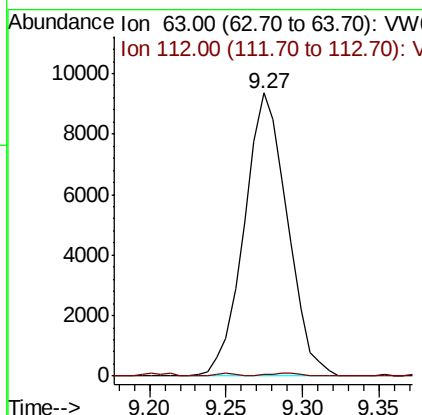
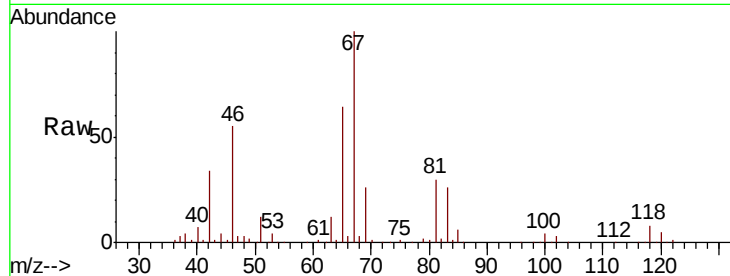




#40  
 1,2-Dichloropropane  
 Concen: 3.316 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016119.D  
 Acq: 10 Aug 2020 23:04

Instrument :  
 MSVOA\_W  
 ClientSampled :

Tot Ion: 63 Resp: 18341  
 Ion Ratio Lower Upper  
 63 100  
 112 0.8 4.0 6.0#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.565 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016119.D  
 Acq: 10 Aug 2020 23:04

Tgt Ion: 75 Resp: 4755  
 Ion Ratio Lower Upper  
 75 100  
 77 51.1 22.9 42.5#

