

Data File : VW014018.D  
Acq On : 14 Nov 2019 14:07  
Operator : SY/VA  
Sample : K5798-13  
Misc : 5.59G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFLX1

Quant Time: Nov 15 01:49:29 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 15 01:46:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 365584   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 348437   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 184088   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 119720   | 20.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.12%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 103157   | 21.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.24%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 190099   | 15.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.52%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 77519    | 45.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.50%  |
| 24) Chloroform-d               | 7.64   | 84    | 268377   | 23.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 141985   | 25.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 573227   | 23.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 173872   | 24.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.04%  |
| 37) Toluene-d8                 | 10.32  | 98    | 527489   | 22.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.00%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 69858    | 22.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.08%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 64440    | 46.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.84%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 134117   | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 177522   | 24.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.00%  |

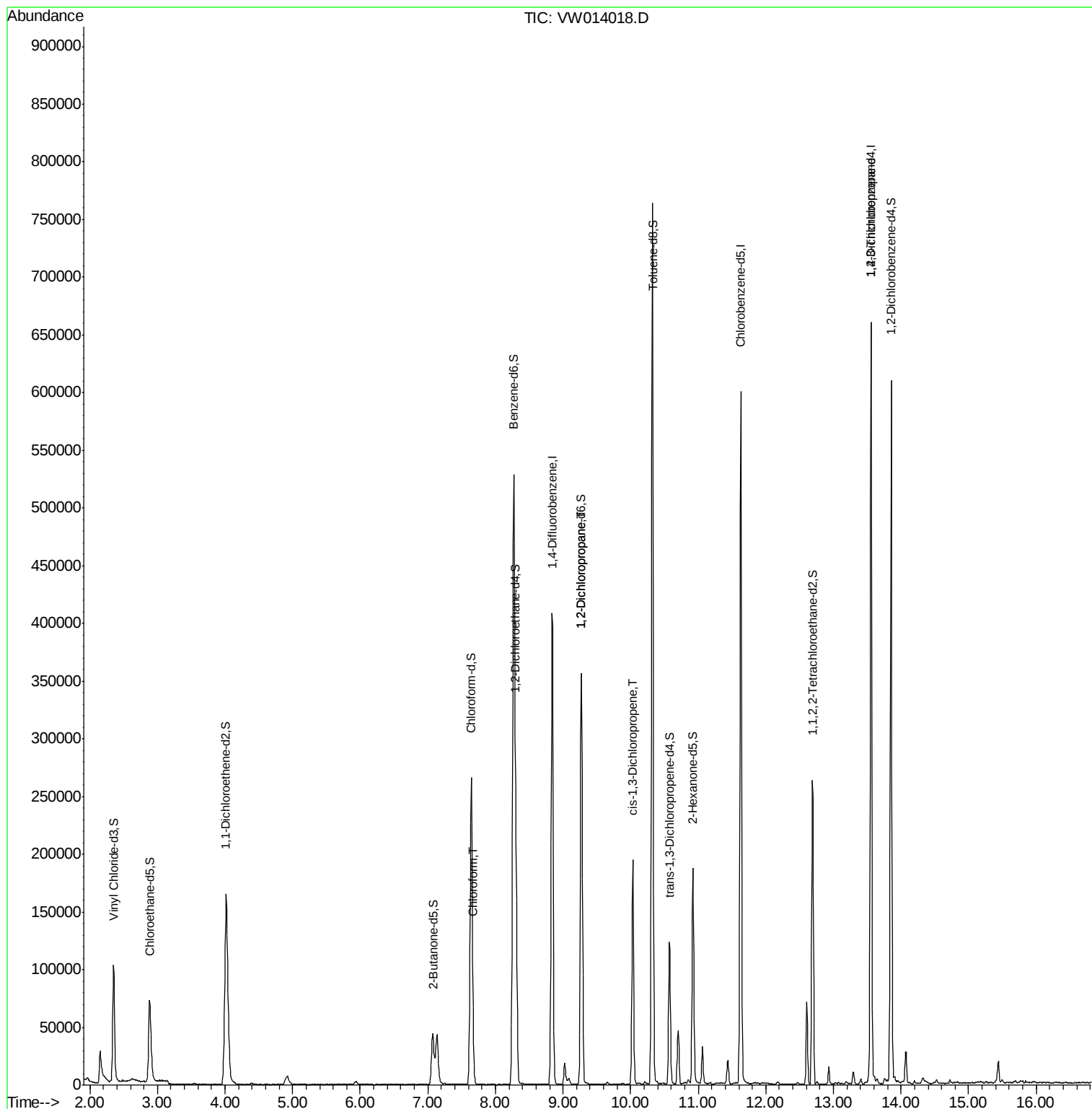
| Target Compounds            |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 25) Chloroform              | 7.67  | 83 | 3889  | 0.365 ug/L # | 68     |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 18559 | 3.017 ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4099  | 0.422 ug/L # | 64     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 18264 | 4.601 ug/L   | 92     |

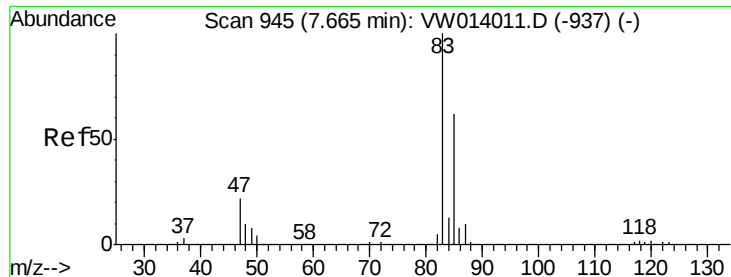
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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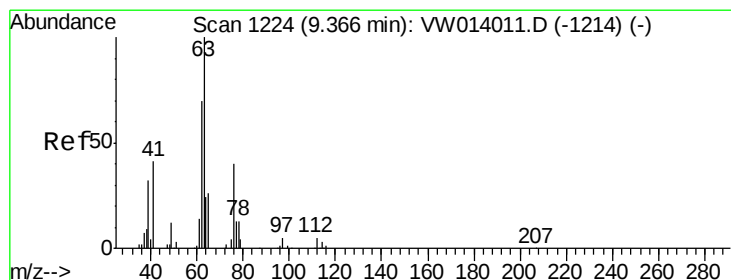
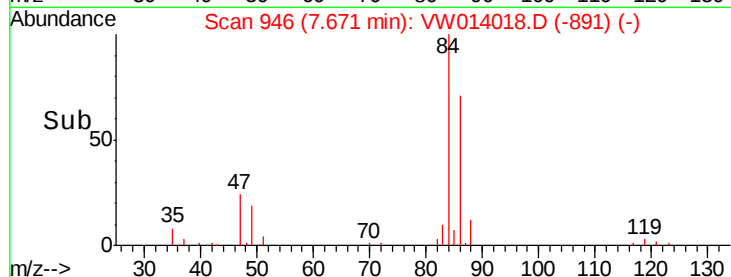
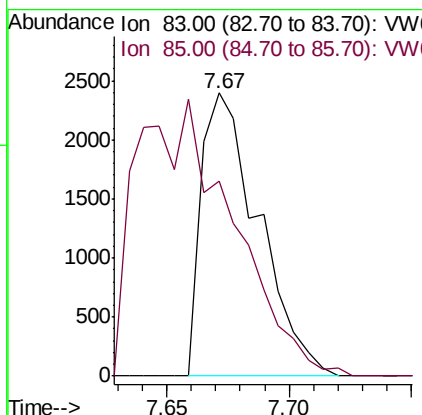
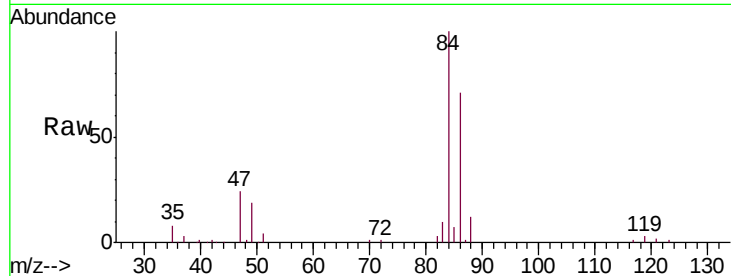




#25  
Chloroform  
Concen: 0.365 ug/L  
RT: 7.67 min Scan# 946  
Delta R.T. 0.01 min  
Lab File: VW014018.D  
Acq: 14 Nov 2019 14:07

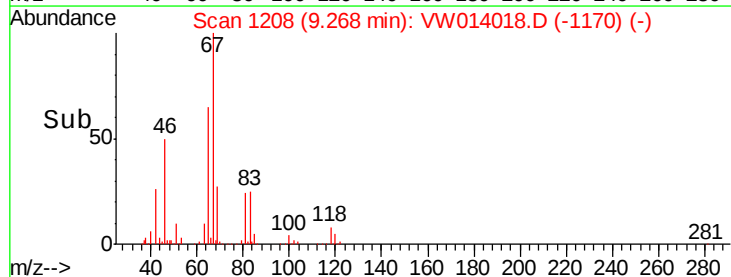
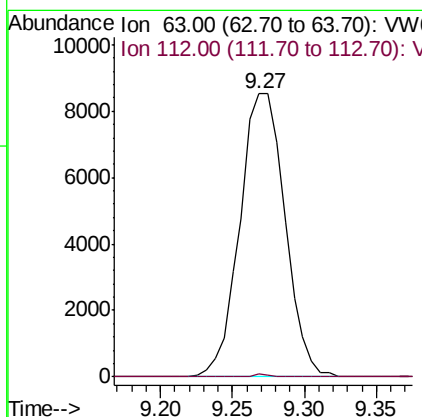
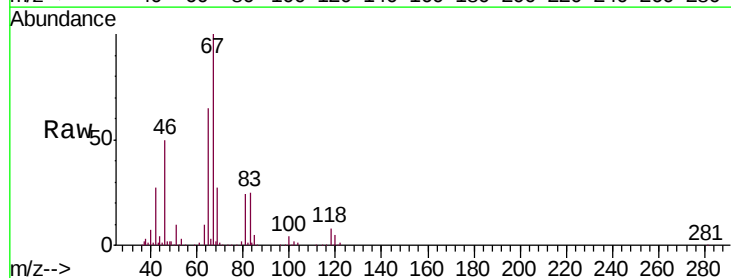
Instrument :  
MSVOA\_W  
ClientSampled :  
BFLX1

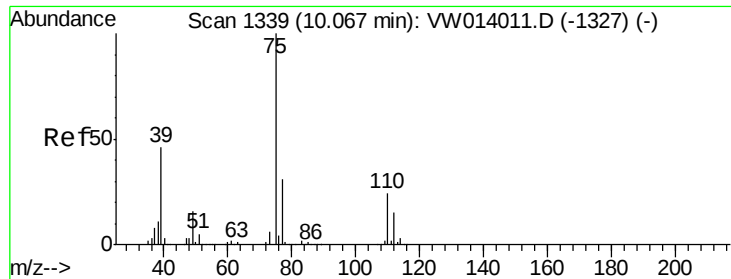
Tgt Ion: 83 Resp: 3889  
Ion Ratio Lower Upper  
83 100  
85 91.0 46.1 85.7#



#40  
1,2-Dichloropropane  
Concen: 3.017 ug/L  
RT: 9.27 min Scan# 1208  
Delta R.T. -0.10 min  
Lab File: VW014018.D  
Acq: 14 Nov 2019 14:07

Tgt Ion: 63 Resp: 18559  
Ion Ratio Lower Upper  
63 100  
112 0.3 3.9 5.9#

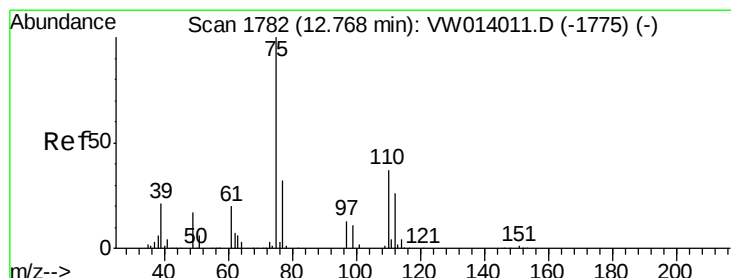
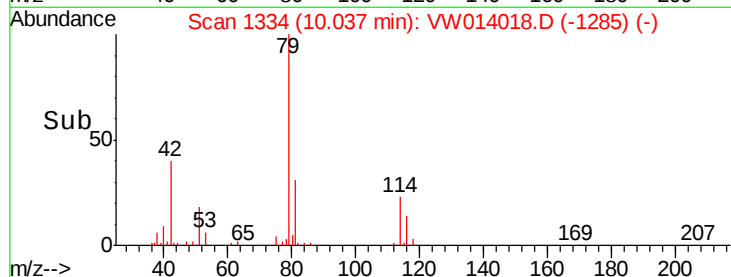
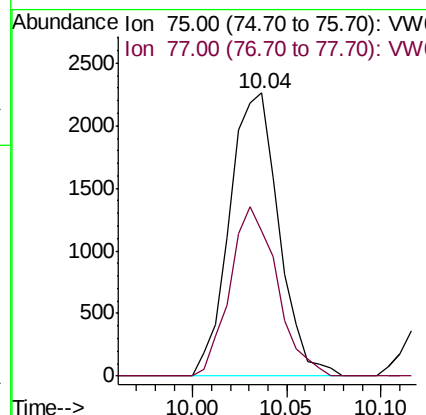
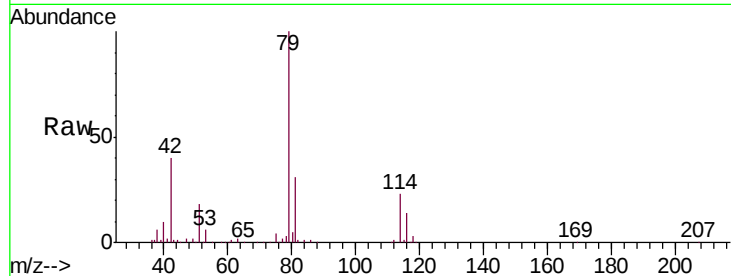




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.422 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.03 min  
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Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BFLX1

Tgt Ion: 75 Resp: 4099  
 Ion Ratio Lower Upper  
 75 100  
 77 51.5 22.1 41.1#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.601 ug/L  
 RT: 13.55 min Scan# 1911  
 Delta R.T. 0.79 min  
 Lab File: VW014018.D  
 Acq: 14 Nov 2019 14:07

Tgt Ion: 75 Resp: 18264  
 Ion Ratio Lower Upper  
 75 100  
 77 37.0 25.9 38.9

