

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080620\  
 Data File : VW016046.D  
 Acq On : 06 Aug 2020 16:18  
 Operator : SY/VA  
 Sample : L3564-12  
 Misc : 6.12G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSM9

Quant Time: Aug 07 07:42:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 07 07:41:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 324417   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 291351   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 127232   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

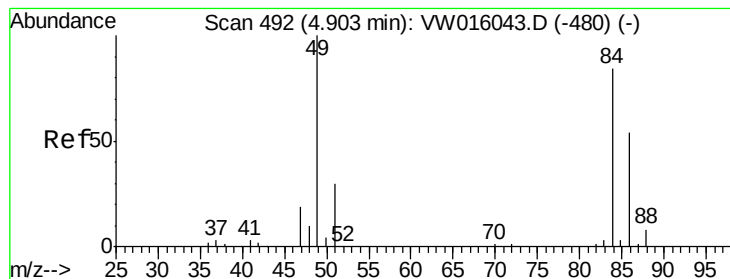
|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 67837    | 14.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.28% |
| 7) Chloroethane-d5             | 2.89   | 69    | 59533    | 16.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.04% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 117447   | 12.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 50.76% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 43710    | 36.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.70% |
| 24) Chloroform-d               | 7.65   | 84    | 176516   | 19.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 77.48% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 91548    | 18.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 73.20% |
| 29) Benzene-d6                 | 8.27   | 84    | 352059   | 19.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 79.40% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105853   | 19.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 79.64% |
| 37) Toluene-d8                 | 10.32  | 98    | 320893   | 19.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 42499    | 18.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.00% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 35614    | 40.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.46% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 85321    | 20.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.52% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 111496   | 22.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.88% |

## Target Compounds

| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 16) Methylene chloride      | 4.92  | 84   | 10260    | 1.930 | ug/L   | 84     |
| 40) 1,2-Dichloropropane     | 9.28  | 63   | 11572    | 2.640 | ug/L # | 88     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75   | 2865     | 0.429 | ug/L # | 64     |
| 47) Tetrachloroethene       | 10.86 | 164  | 5736     | 1.579 | ug/L   | 94     |
| 50) Dibromochloromethane    | 10.87 | 129  | 5235     | 1.434 | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75   | 13825    | 4.985 | ug/L   | 91     |

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





#16

Methylene chloride

Concen: 1.930 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

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BFSM9

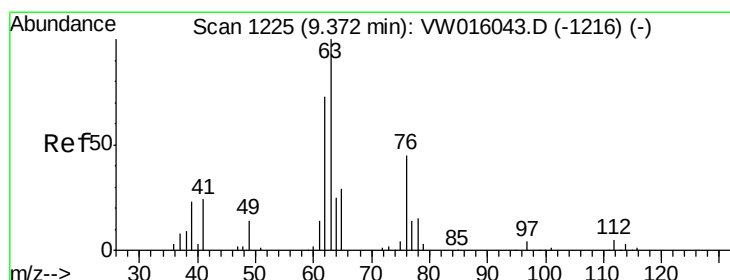
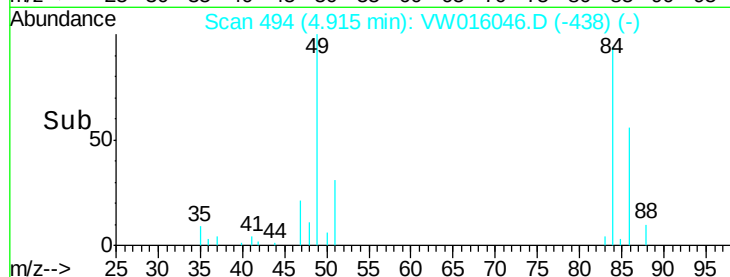
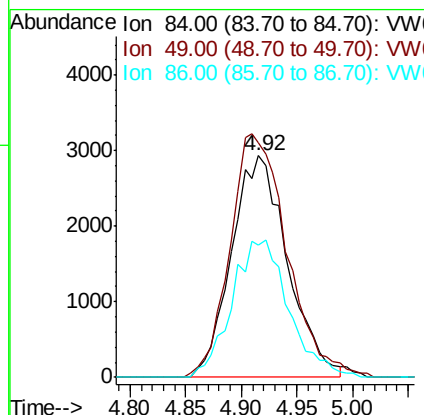
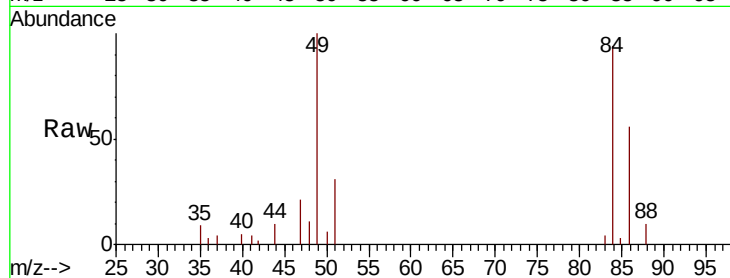
Tot Ion: 84 Resp: 10260

Ion Ratio Lower Upper

84 100

49 106.1 91.1 169.1

86 59.7 46.0 85.4



#40

1,2-Dichloropropane

Concen: 2.640 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016046.D

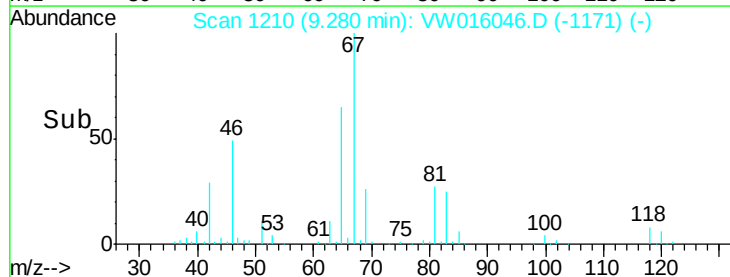
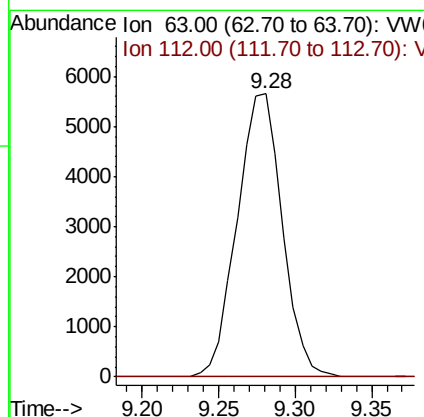
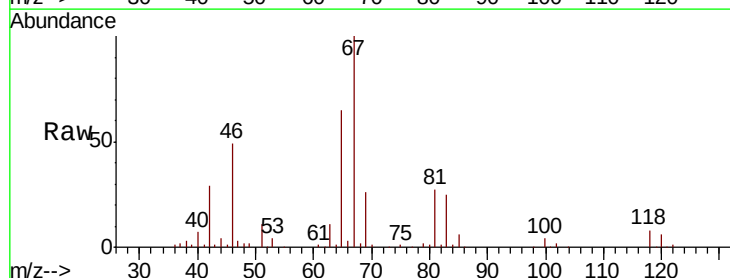
Acq: 06 Aug 2020 16:18

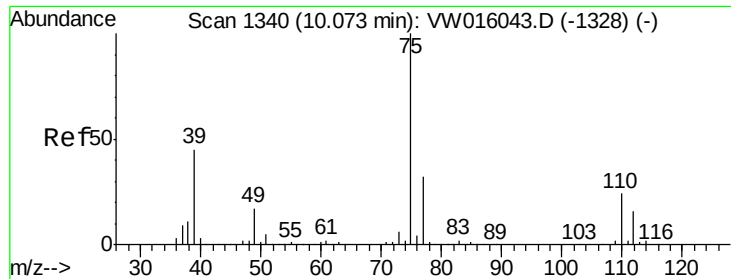
Tgt Ion: 63 Resp: 11572

Ion Ratio Lower Upper

63 100

112 0.7 3.7 5.5#

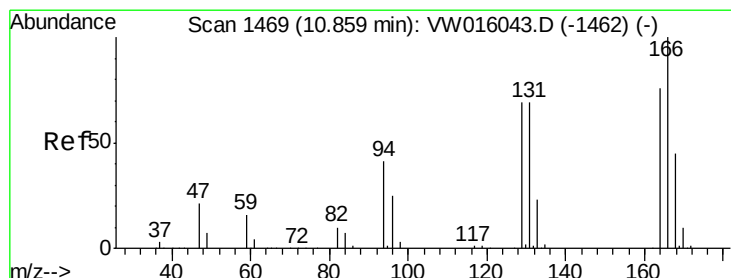
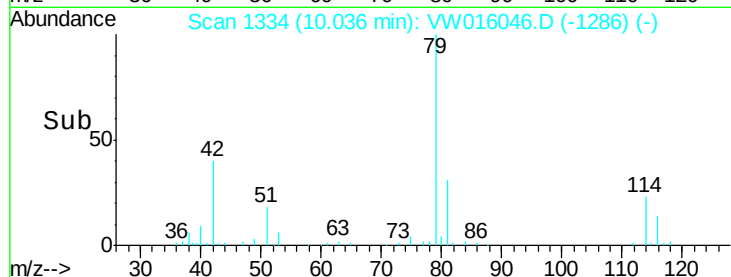
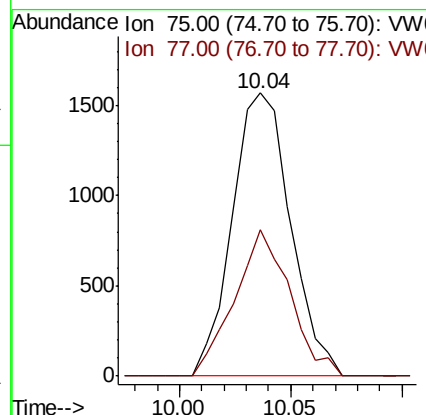
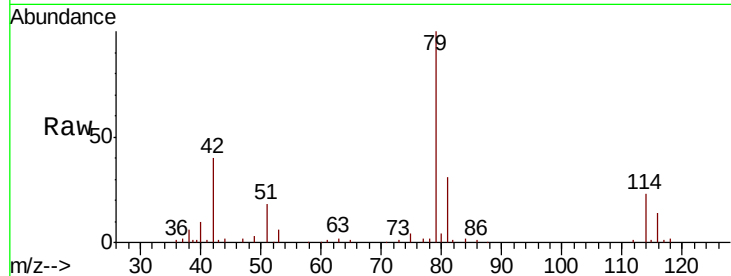




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.429 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016046.D  
 Acq: 06 Aug 2020 16:18

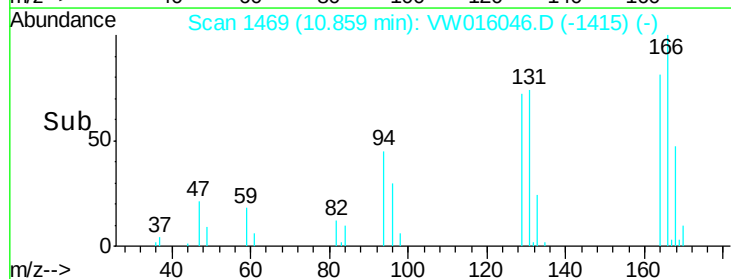
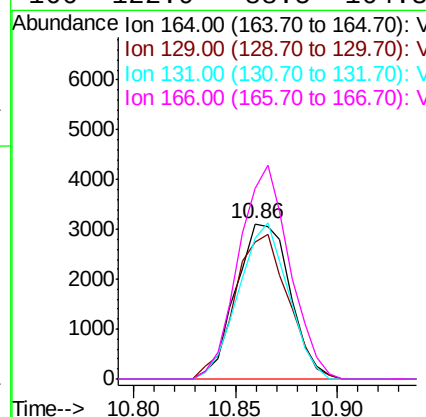
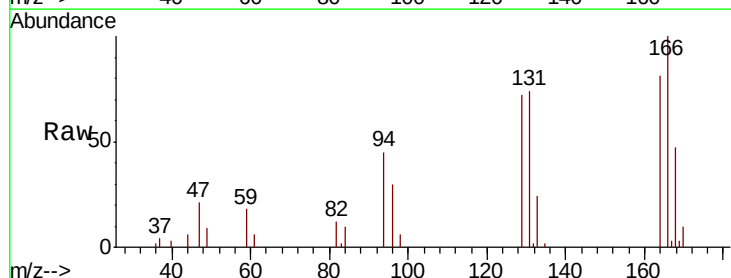
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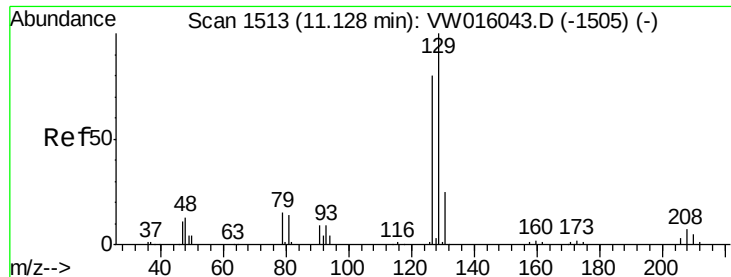
Tot Ion: 75 Resp: 2865  
 Ion Ratio Lower Upper  
 75 100  
 77 51.7 22.2 41.2#



#47  
 Tetrachloroethene  
 Concen: 1.579 ug/L  
 RT: 10.86 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: VW016046.D  
 Acq: 06 Aug 2020 16:18

Tgt Ion: 164 Resp: 5736  
 Ion Ratio Lower Upper  
 164 100  
 129 88.2 70.0 130.0  
 131 90.9 67.3 124.9  
 166 122.9 88.5 164.3





#50

Dibromochloromethane

Concen: 1.434 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW016046.D

Acq: 06 Aug 2020 16:18

Instrument :

MSVOA\_W

ClientSampleId :

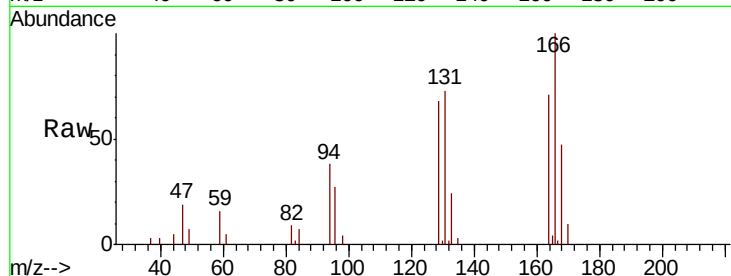
BFSM9

Tot Ion:129 Resp: 5235

Ion Ratio Lower Upper

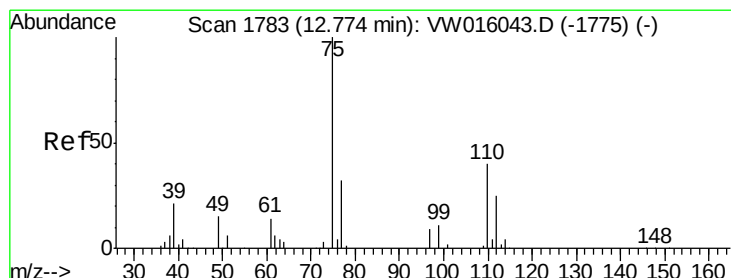
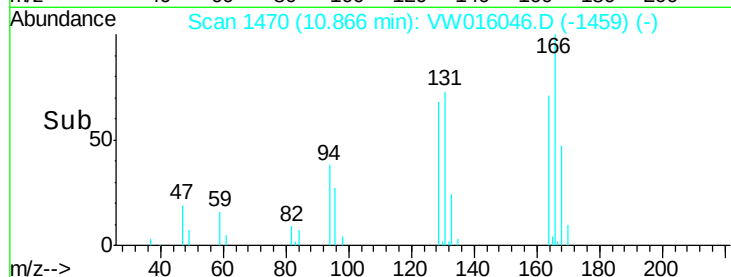
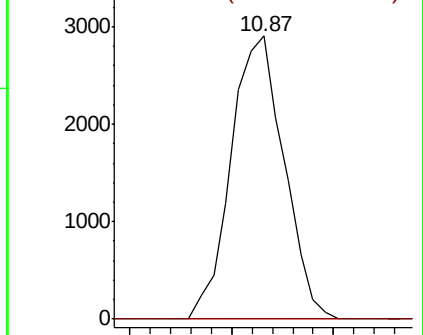
129 100

127 0.0 53.8 100.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 4.985 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016046.D

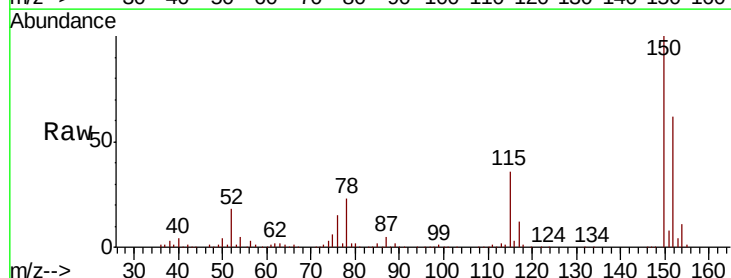
Acq: 06 Aug 2020 16:18

Tgt Ion: 75 Resp: 13825

Ion Ratio Lower Upper

75 100

77 37.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

