

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\  
 Data File : VW017828.D  
 Acq On : 12 Jan 2021 11:24  
 Operator : SY/VA  
 Sample : VW0112SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 13 03:21:30 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 08 21:58:14 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 287201   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 270181   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 122455   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 112114   | 25.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.92% |
| 7) Chloroethane-d5             | 2.89   | 69    | 92587    | 25.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.00% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 150610   | 19.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.80%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 37227    | 51.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.38% |
| 24) Chloroform-d               | 7.65   | 84    | 185952   | 24.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 106011   | 27.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.16% |
| 29) Benzene-d6                 | 8.27   | 84    | 370928   | 24.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.48%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105083   | 25.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 345274   | 23.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.48%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43390    | 23.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 25656    | 48.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.40%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 73357    | 23.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.20%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 102769   | 24.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.40%  |

## Target Compounds

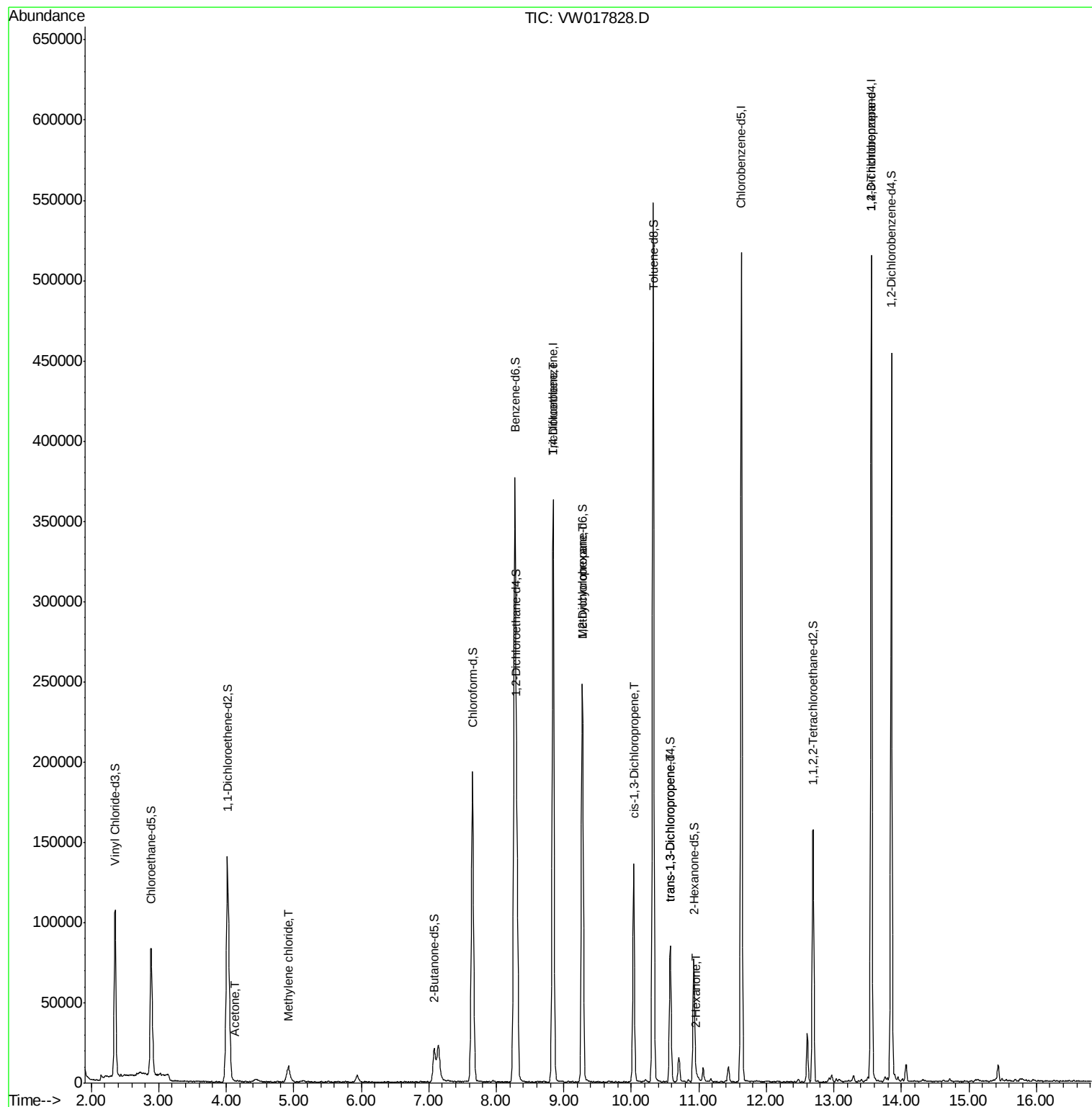
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43 | 539   | 0.867 ug/L   | 76     |
| 16) Methylene chloride        | 4.92  | 84 | 7138  | 1.738 ug/L   | 90     |
| 35) Trichloroethene           | 8.84  | 95 | 9008  | 2.107 ug/L # | 4      |
| 36) Methylcyclohexane         | 9.27  | 83 | 25860 | 3.460 ug/L # | 21     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 3926  | 0.675 ug/L # | 61     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75 | 2773  | 0.560 ug/L   | 89     |
| 49) 2-Hexanone                | 10.97 | 43 | 969   | 0.771 ug/L # | 82     |
| 59) 1,2,3-Trichloropropane    | 13.55 | 75 | 18148 | 8.160 ug/L   | 92     |

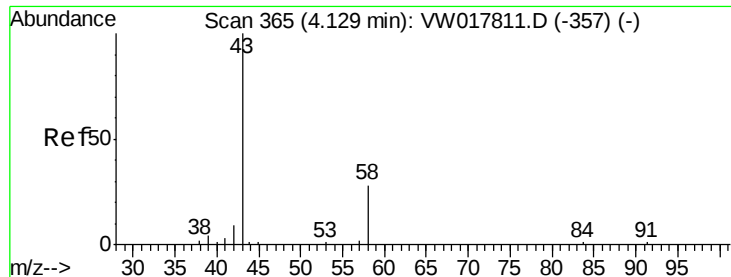
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011221\  
Data File : VW017828.D  
Acq On : 12 Jan 2021 11:24  
Operator : SY/VA  
Sample : VW0112SBL01  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jan 13 03:21:30 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 08 21:58:14 2021  
Response via : Initial Calibration





#13

Acetone

Concen: 0.867 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW017828.D

Acq: 12 Jan 2021 11:24

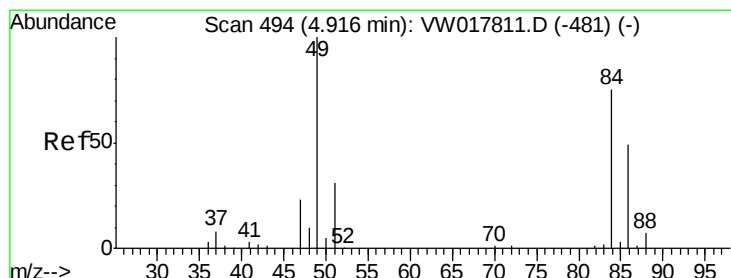
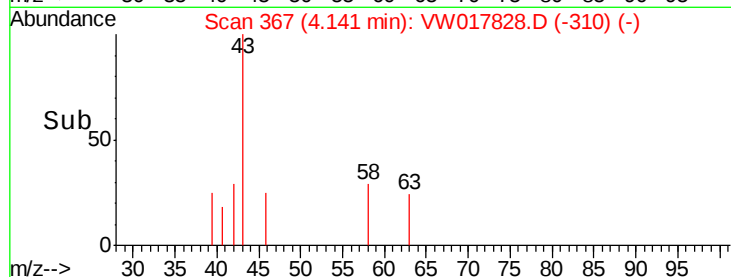
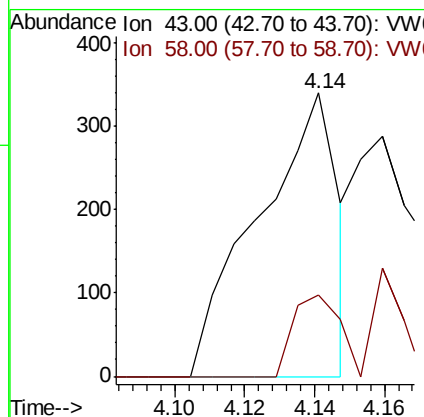
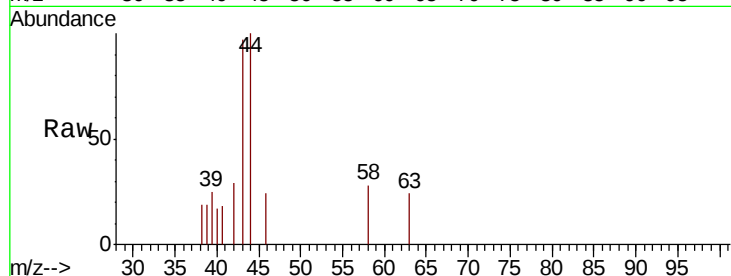
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 539

Ion Ratio Lower Upper

43 100

58 17.1 0.0 60.8



#16

Methylene chloride

Concen: 1.738 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017828.D

Acq: 12 Jan 2021 11:24

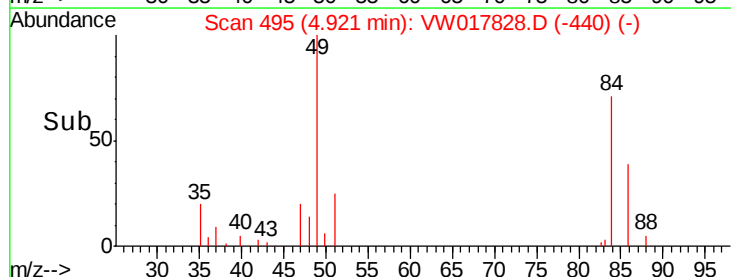
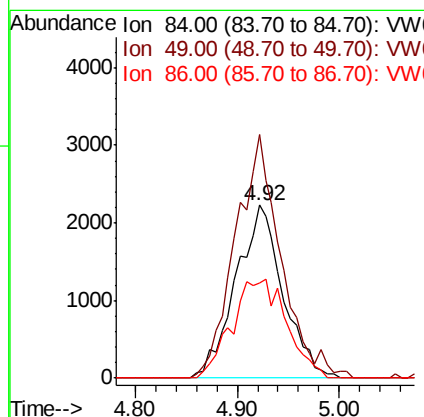
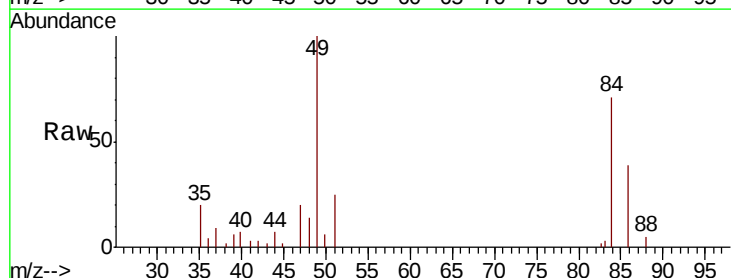
Tgt Ion: 84 Resp: 7138

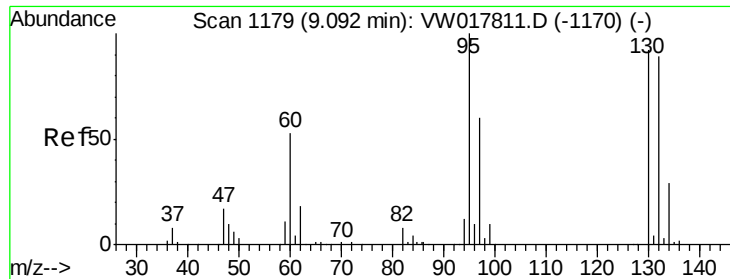
Ion Ratio Lower Upper

84 100

49 141.1 90.5 168.1

86 55.3 44.8 83.2

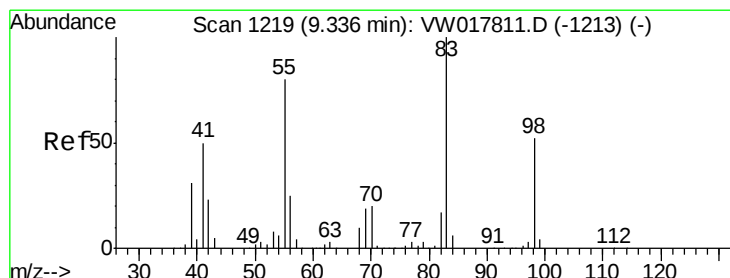
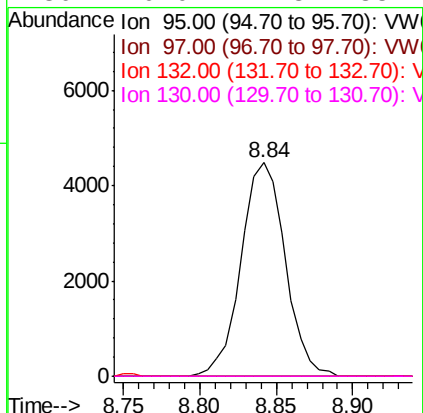
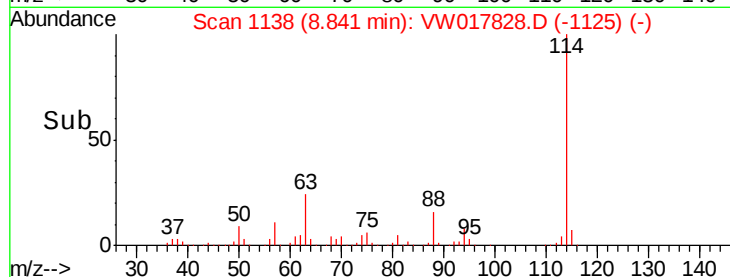
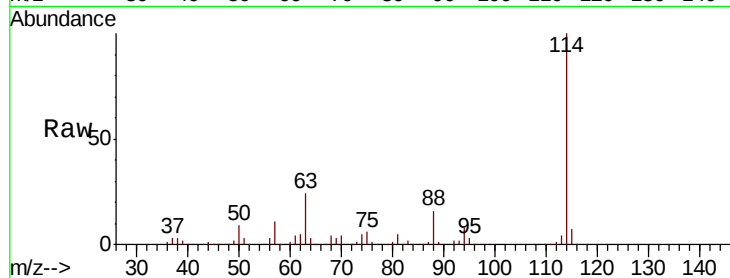




#35  
 Trichloroethene  
 Concen: 2.107 ug/L  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.25 min  
 Lab File: VW017828.D  
 Acq: 12 Jan 2021 11:24

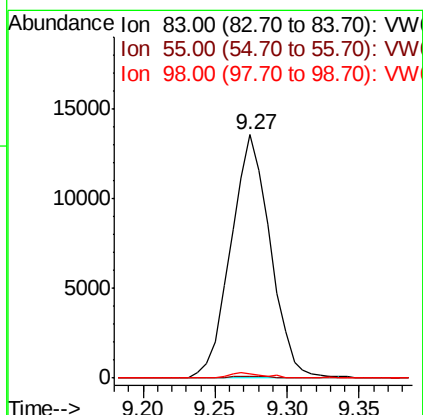
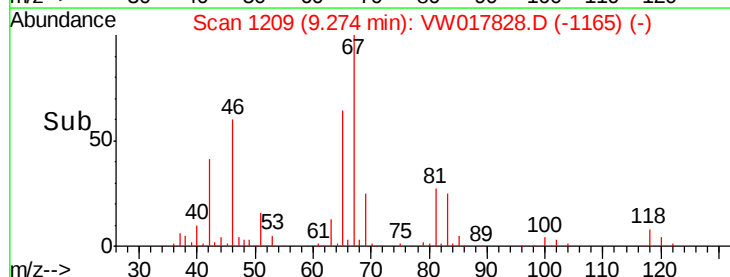
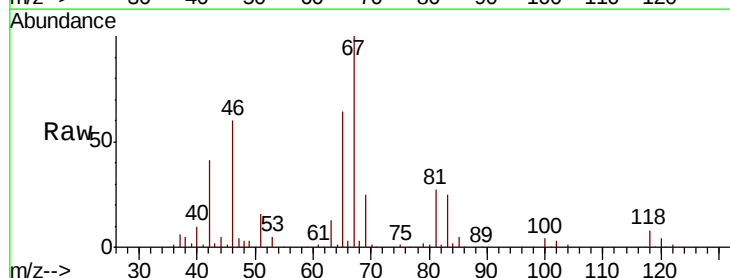
Instrument :  
 MSVOA\_W  
 ClientSampleId :

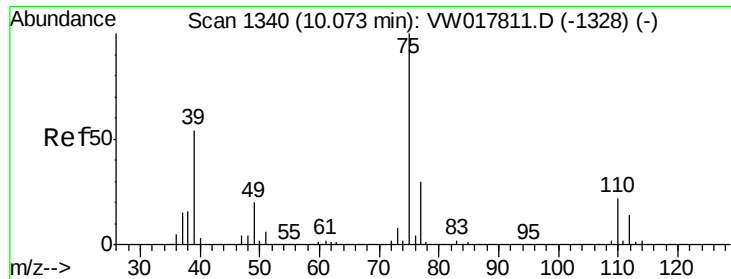
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 95      | 100   |       |        |
| 97      | 0.0   | 46.8  | 87.0#  |
| 132     | 0.0   | 68.3  | 126.9# |
| 130     | 0.0   | 71.8  | 133.4# |



#36  
 Methylcyclohexane  
 Concen: 3.460 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.06 min  
 Lab File: VW017828.D  
 Acq: 12 Jan 2021 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.4   | 57.6  | 86.4# |
| 98      | 2.1   | 39.7  | 59.5# |

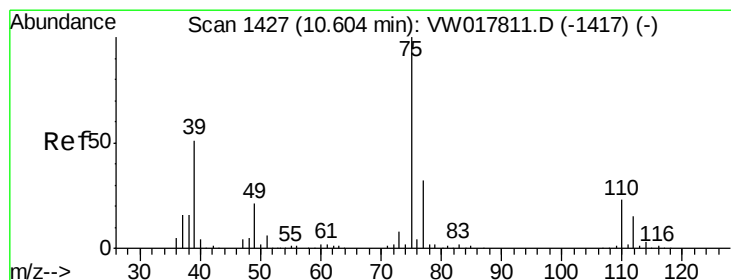
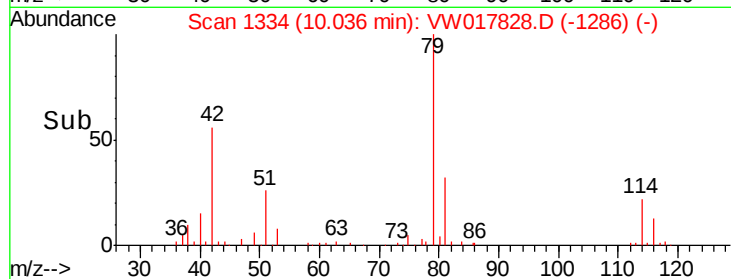
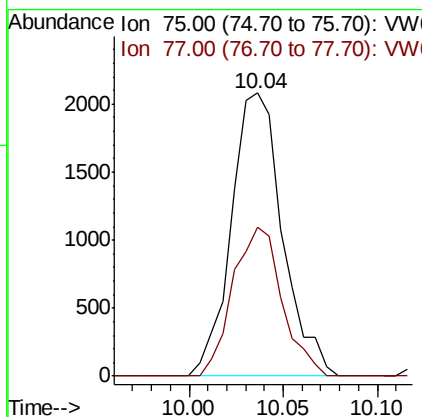
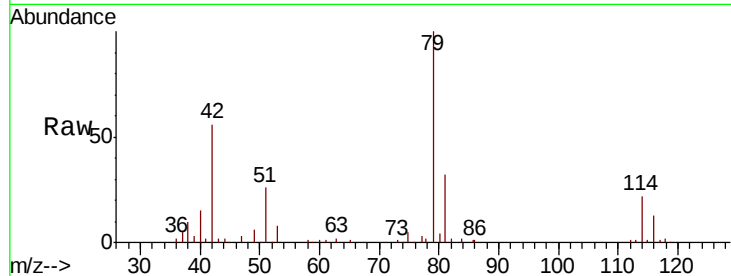




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.675 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW017828.D  
 Acq: 12 Jan 2021 11:24

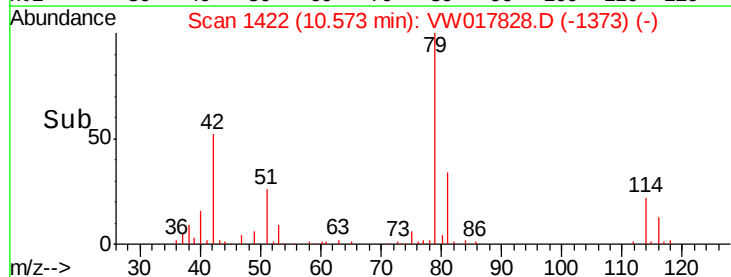
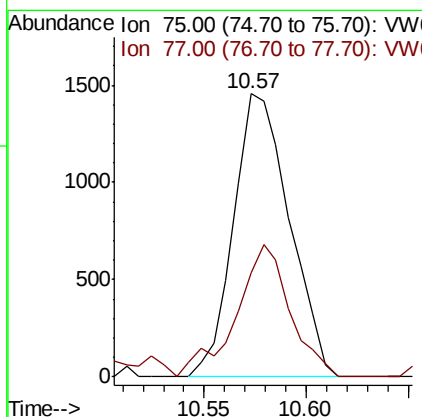
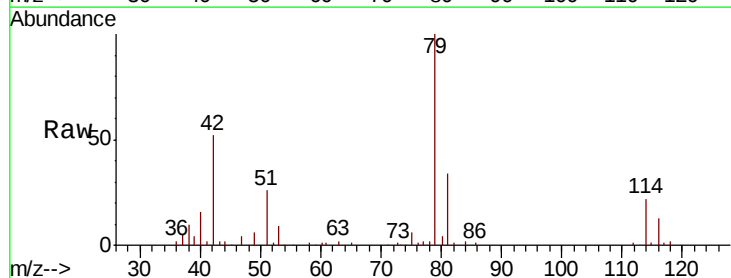
Instrument :  
 MSVOA\_W  
 ClientSampled :

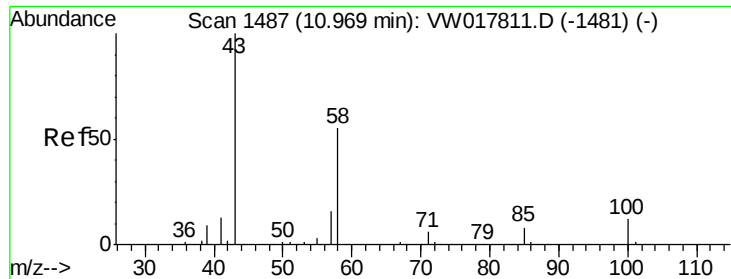
Tot Ion: 75 Resp: 3926  
 Ion Ratio Lower Upper  
 75 100  
 77 52.5 21.6 40.2#



#45  
 trans-1,3-Dichloropropene  
 Concen: 0.560 ug/L  
 RT: 10.57 min Scan# 1422  
 Delta R.T. -0.03 min  
 Lab File: VW017828.D  
 Acq: 12 Jan 2021 11:24

Tgt Ion: 75 Resp: 2773  
 Ion Ratio Lower Upper  
 75 100  
 77 36.7 21.6 40.0





#49

2-Hexanone

Concen: 0.771 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017828.D

Acq: 12 Jan 2021 11:24

Instrument :

MSVOA\_W

ClientSampled :

Tot Ion: 43 Resp: 969

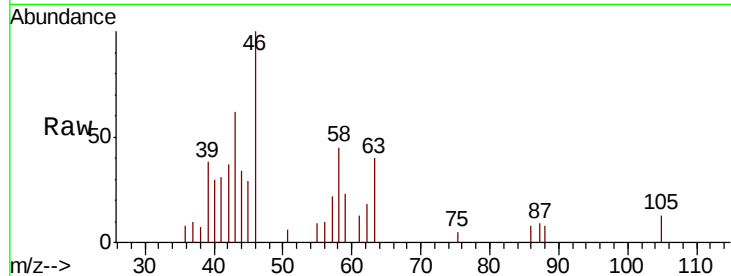
Ion Ratio Lower Upper

43 100

58 67.4 44.2 66.4#

57 25.2 16.1 24.1#

100 0.0 11.0 16.4#

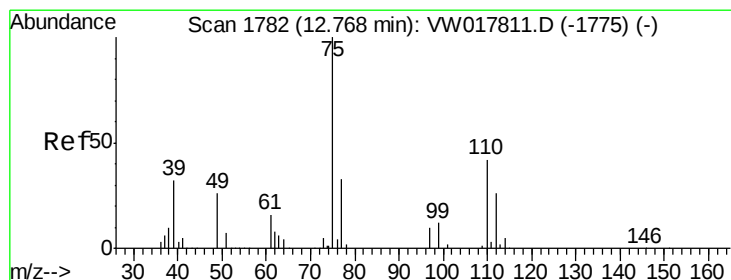
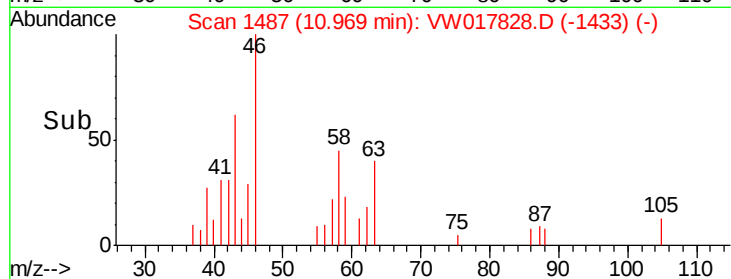
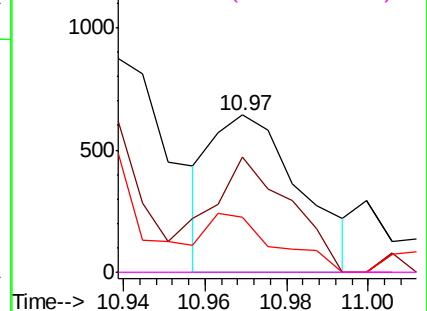


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#59

1,2,3-Trichloropropane

Concen: 8.160 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017828.D

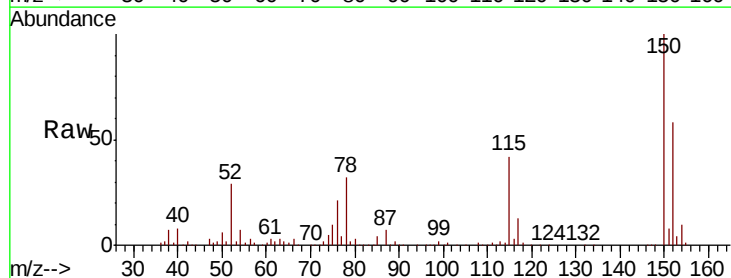
Acq: 12 Jan 2021 11:24

Tgt Ion: 75 Resp: 18148

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

