

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\  
 Data File : VW017250.D  
 Acq On : 16 Nov 2020 12:36  
 Operator : SY/VA  
 Sample : L4739-06MSD  
 Misc : 6.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB0Z3MSD

Quant Time: Nov 17 06:09:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 17 06:08:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 392995   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 368667   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 181089   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 86546    | 17.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 77296    | 20.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 186669   | 21.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 84.32%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 55071    | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.50%  |
| 24) Chloroform-d               | 7.65   | 84    | 211706   | 23.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 118839   | 26.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 104.20% |
| 29) Benzene-d6                 | 8.28   | 84    | 402862   | 21.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 117423   | 22.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.44%  |
| 37) Toluene-d8                 | 10.32  | 98    | 397358   | 22.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.80%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 54369    | 23.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47970    | 52.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.86% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 113459   | 25.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 160274   | 25.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.48% |

## Target Compounds

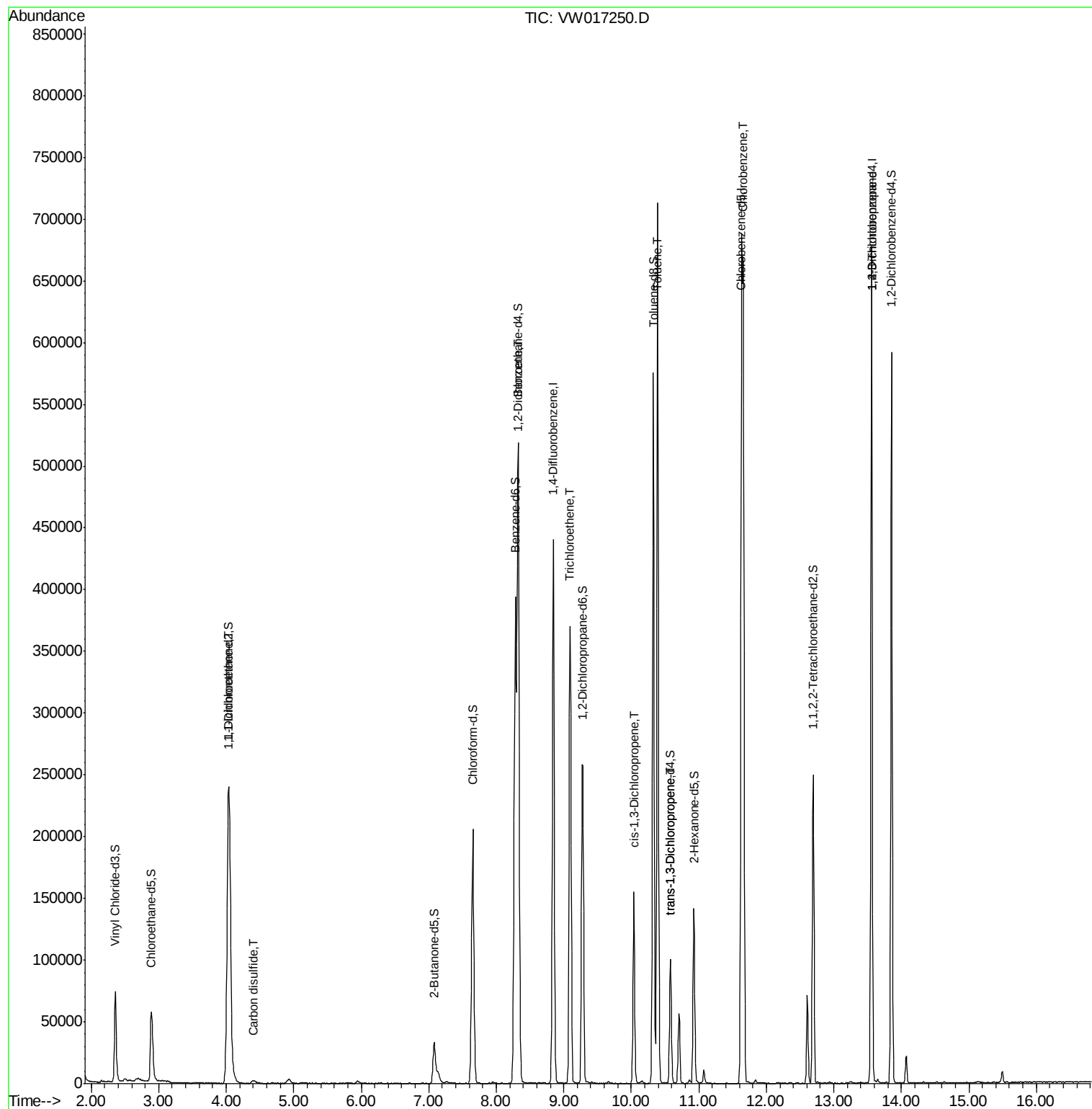
|                               |       |     |        |              | Ovalue |
|-------------------------------|-------|-----|--------|--------------|--------|
| 12) 1,1-Dichloroethene        | 4.04  | 96  | 106763 | 21.888 ug/L  | 94     |
| 14) Carbon disulfide          | 4.39  | 76  | 2916   | 0.220 ug/L   | 99     |
| 34) Benzene                   | 8.33  | 78  | 446720 | 23.076 ug/L  | 100    |
| 35) Trichloroethene           | 9.09  | 95  | 125954 | 23.227 ug/L  | 98     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75  | 4414   | 0.616 ug/L # | 71     |
| 44) Toluene                   | 10.39 | 91  | 509503 | 23.911 ug/L  | 97     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75  | 2852   | 0.463 ug/L # | 68     |
| 52) Chlorobenzene             | 11.66 | 112 | 343845 | 23.858 ug/L  | 99     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75  | 19993  | 6.171 ug/L   | 89     |

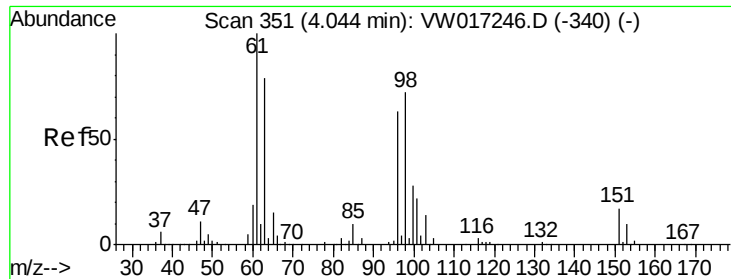
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW11620\  
Data File : VW017250.D  
Acq On : 16 Nov 2020 12:36  
Operator : SY/VA  
Sample : L4739-06MSD  
Misc : 6.08G/10ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Z3MSD

Quant Time: Nov 17 06:09:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Nov 17 06:08:23 2020  
Response via : Initial Calibration

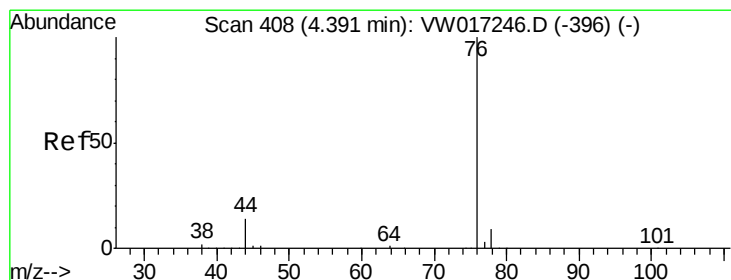
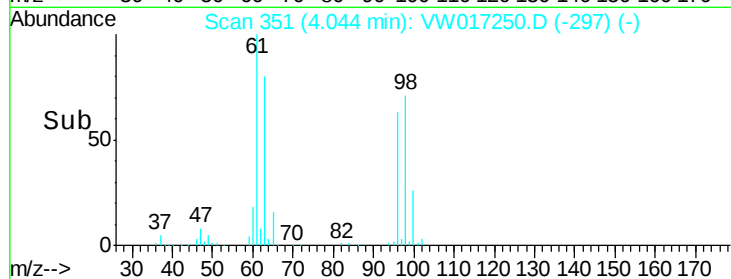
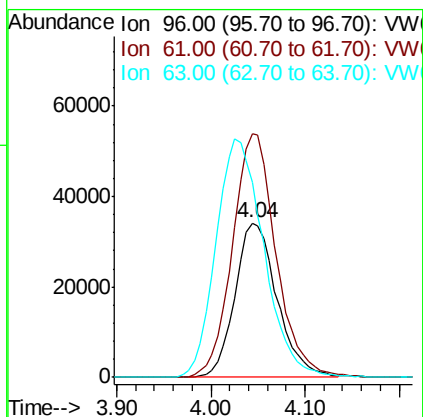
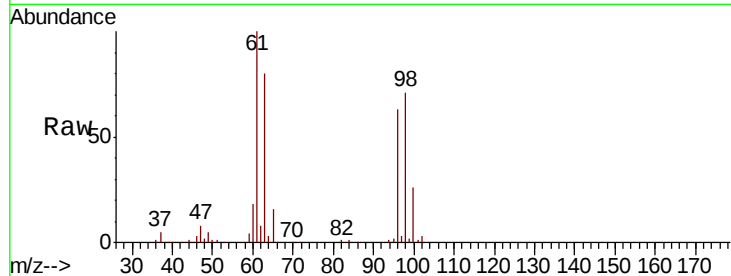




#12  
 1,1-Dichloroethene  
 Concen: 21.888 ug/L  
 RT: 4.04 min Scan# 351  
 Delta R.T. -0.00 min  
 Lab File: VW017250.D  
 Acq: 16 Nov 2020 12:36

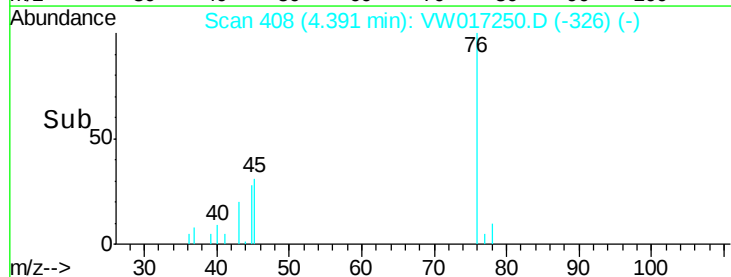
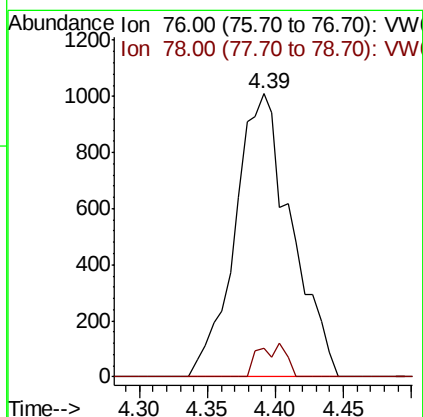
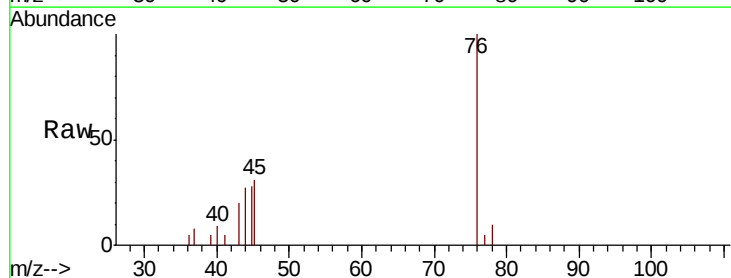
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB0Z3MSD

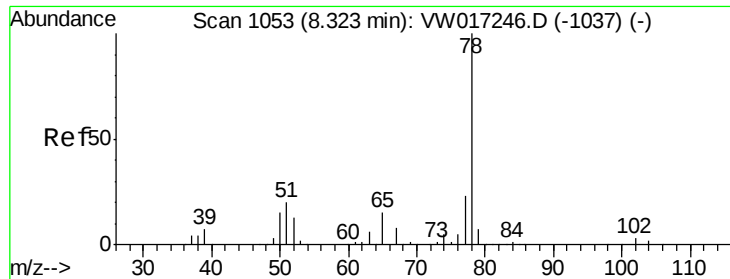
| Tot Ion   | 96    | Resp  | 106763 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 157.5 | 103.8 | 192.8  |
| 63        | 126.3 | 84.4  | 156.7  |



#14  
 Carbon disulfide  
 Concen: 0.220 ug/L  
 RT: 4.39 min Scan# 408  
 Delta R.T. -0.00 min  
 Lab File: VW017250.D  
 Acq: 16 Nov 2020 12:36

| Tgt Ion   | 76    | Resp  | 2916 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 76        | 100   |       |      |
| 78        | 10.0  | 7.6   | 11.4 |





#34

Benzene

Concen: 23.076 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017250.D

Acq: 16 Nov 2020 12:36

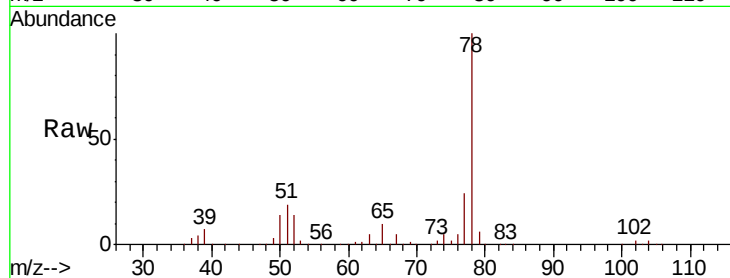
Instrument :

MSVOA\_W

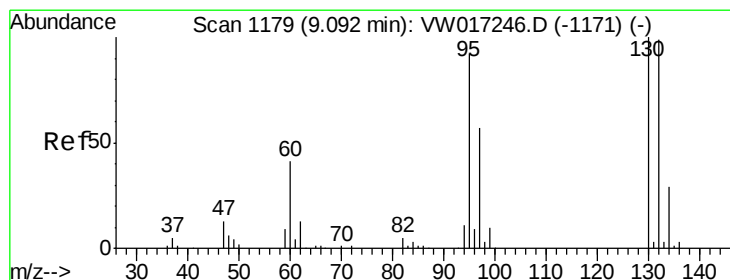
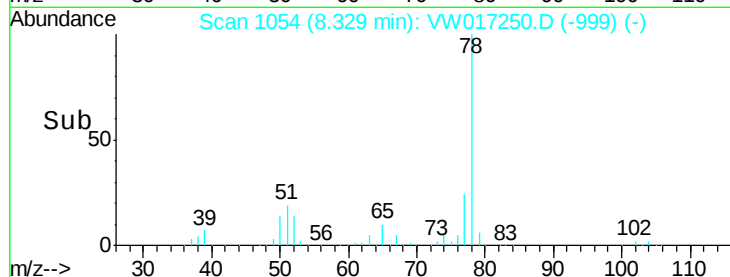
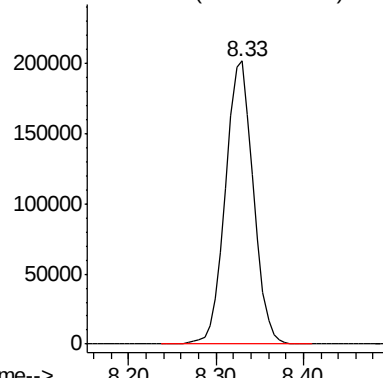
ClientSampleId :

GB0Z3MSD

Tgt Ion: 78 Resp: 446720



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.227 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017250.D

Acq: 16 Nov 2020 12:36

Tgt Ion: 95 Resp: 125954

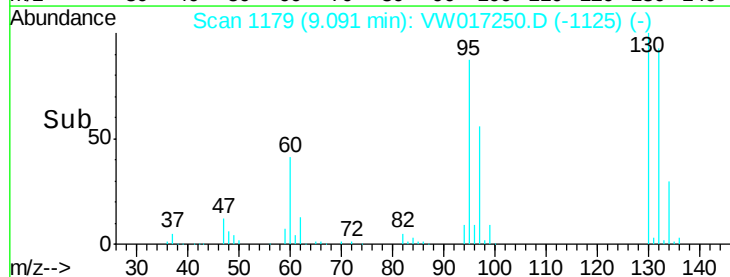
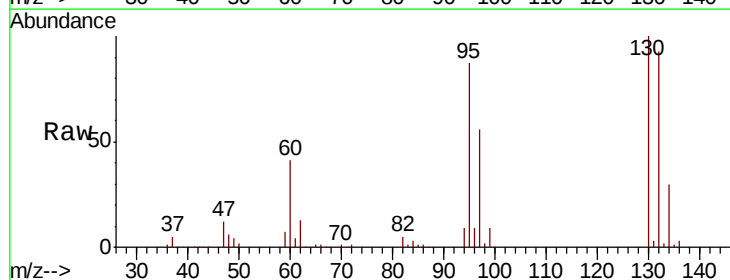
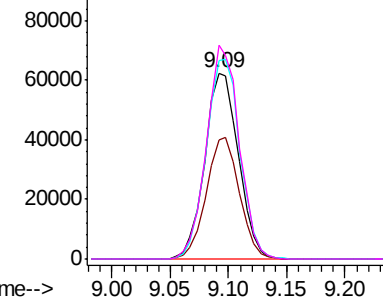
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.4  | 45.0  | 83.6  |
| 132 | 108.1 | 73.7  | 136.9 |
| 130 | 111.7 | 77.1  | 143.1 |

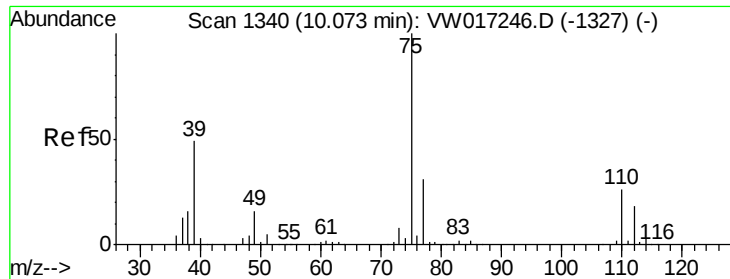
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

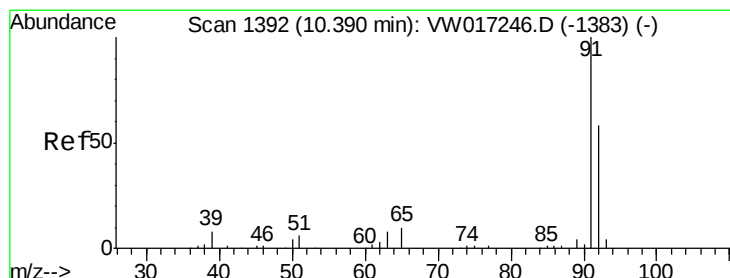
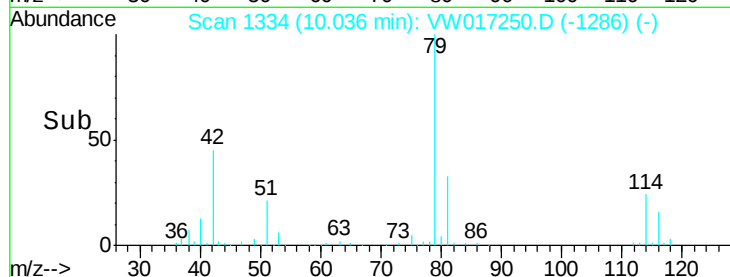
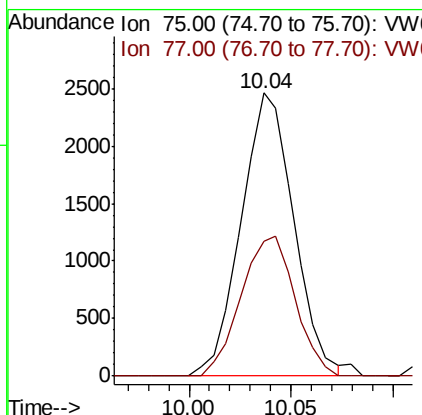
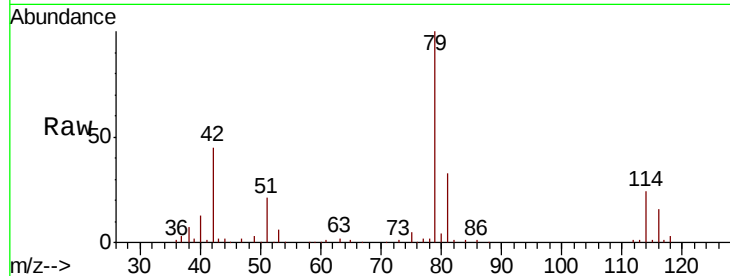




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.616 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW017250.D  
 Acq: 16 Nov 2020 12:36

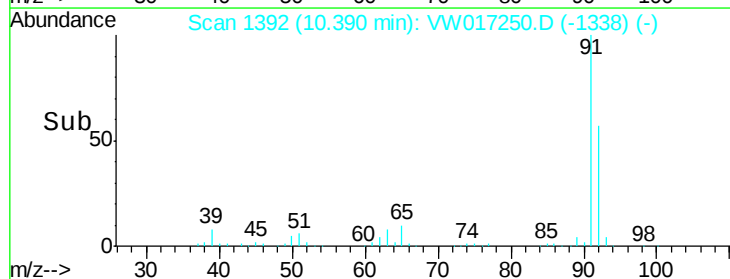
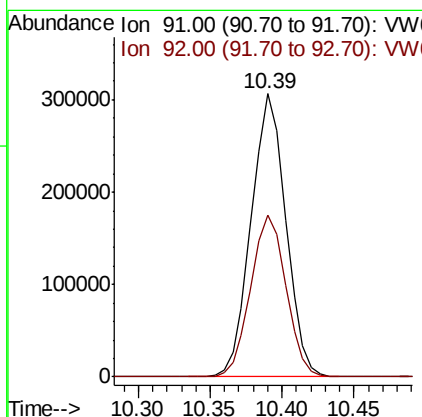
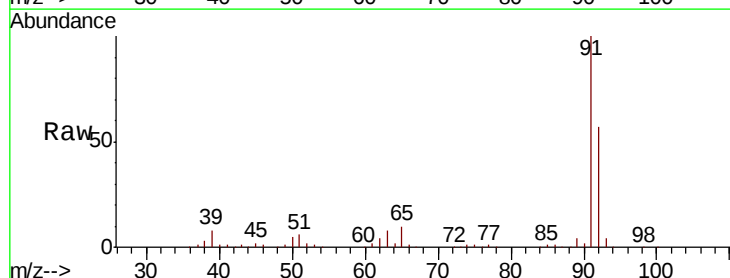
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GB0Z3MSD

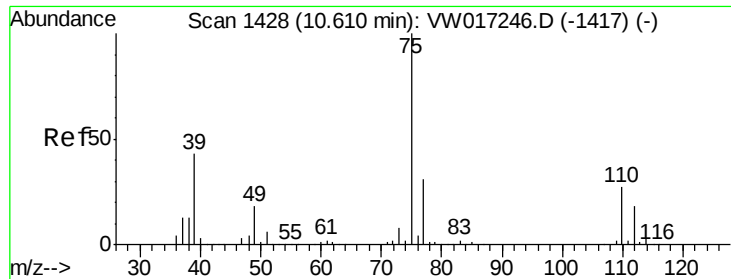
Tot Ion: 75 Resp: 4414  
 Ion Ratio Lower Upper  
 75 100  
 77 47.5 22.0 41.0#



#44  
 Toluene  
 Concen: 23.911 ug/L  
 RT: 10.39 min Scan# 1392  
 Delta R.T. -0.00 min  
 Lab File: VW017250.D  
 Acq: 16 Nov 2020 12:36

Tgt Ion: 91 Resp: 509503  
 Ion Ratio Lower Upper  
 91 100  
 92 57.1 41.4 76.8

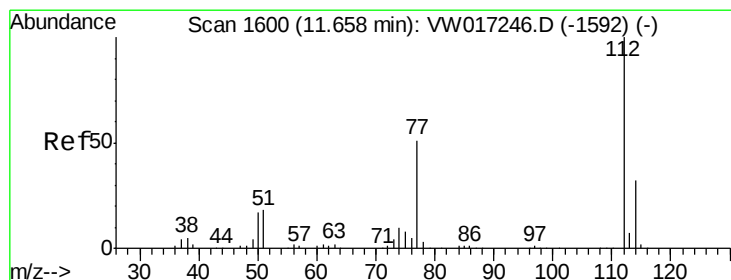
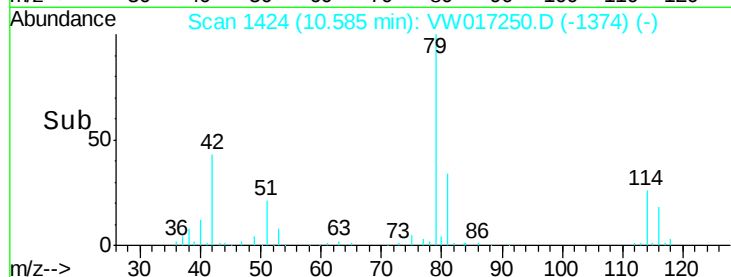
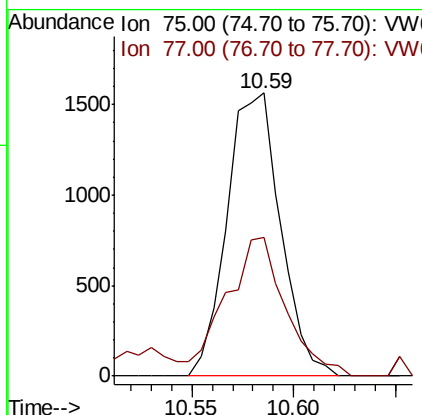
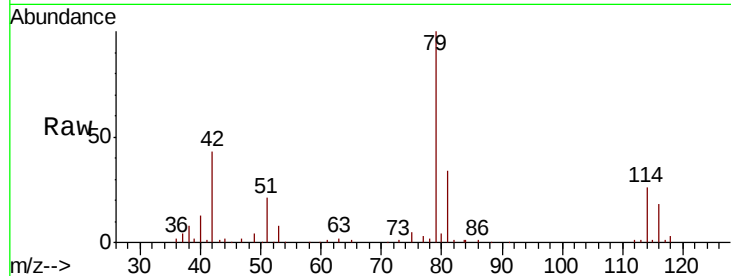




#45  
trans-1,3-Dichloropropene  
Concen: 0.463 ug/L  
RT: 10.59 min Scan# 1424  
Delta R.T. -0.02 min  
Lab File: VW017250.D  
Acq: 16 Nov 2020 12:36

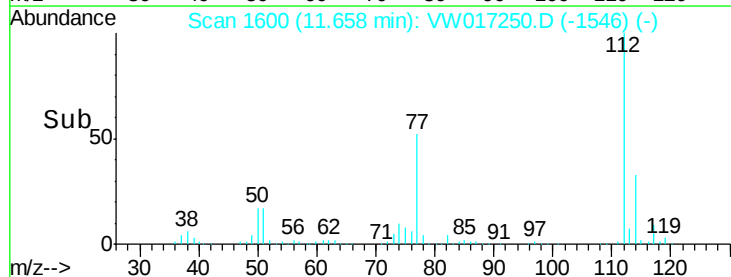
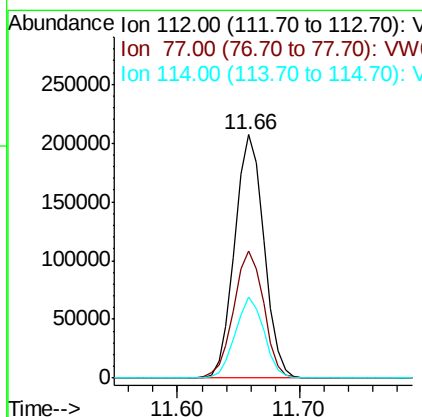
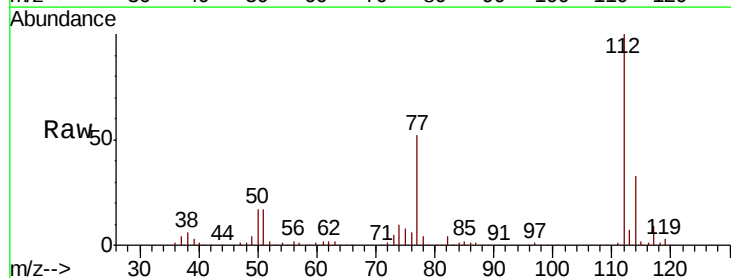
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB0Z3MSD

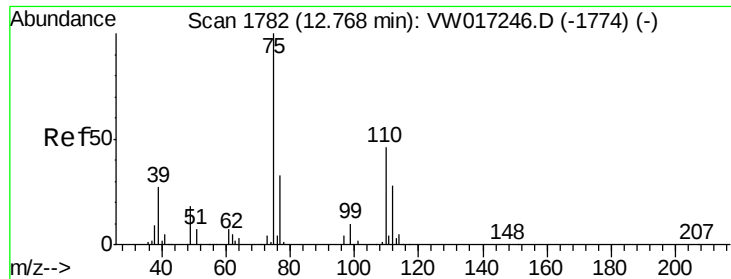
Tot Ion: 75 Resp: 2852  
Ion Ratio Lower Upper  
75 100  
77 49.2 22.1 41.1#



#52  
Chlorobenzene  
Concen: 23.858 ug/L  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW017250.D  
Acq: 16 Nov 2020 12:36

Tgt Ion: 112 Resp: 343845  
Ion Ratio Lower Upper  
112 100  
77 52.3 41.7 62.5  
114 33.1 22.3 41.3





#59

1,2,3-Trichloropropane

Concen: 6.171 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017250.D

Acq: 16 Nov 2020 12:36

Instrument :

MSVOA\_W

ClientSampleId :

GB0Z3MSD

Tot Ion: 75 Resp: 19993

Ion Ratio Lower Upper

75 100

77 39.0 26.4 39.6

