

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\  
 Data File : VW016116.D  
 Acq On : 10 Aug 2020 21:53  
 Operator : SY/VA  
 Sample : L3598-07MS  
 Misc : 5.53G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY64

Quant Time: Aug 11 02:00:10 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     | 8.85  | 114  | 312791   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 252809   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 69432    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 111052   | 28.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 80747    | 27.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.72%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 211302   | 25.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 102.60%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 81808    | 80.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 160.34%# |
| 24) Chloroform-d               | 7.65   | 84    | 228653   | 27.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 108.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 141649   | 31.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 127.08%  |
| 29) Benzene-d6                 | 8.27   | 84    | 426206   | 30.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 123.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 131026   | 32.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 129.60%# |
| 37) Toluene-d8                 | 10.32  | 98    | 344666   | 27.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58629    | 32.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 129.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 64202    | 92.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 184.04%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 115639   | 35.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 140.48%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 67642    | 27.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 109.92%  |

## Target Compounds

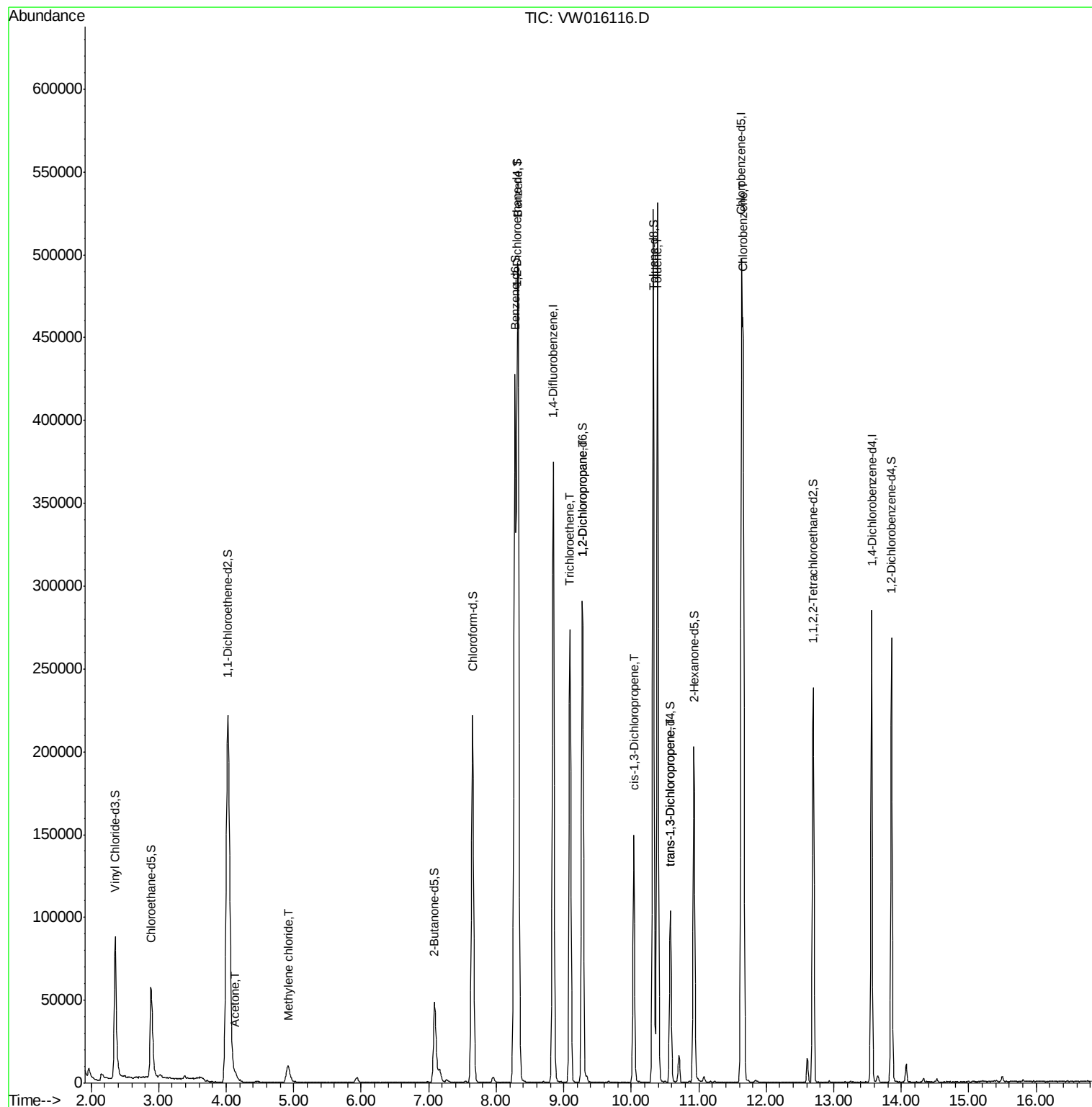
|                               |       |     |        |              | Ovalue |
|-------------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                   | 4.14  | 43  | 6691   | 8.668 ug/L   | 99     |
| 16) Methylene chloride        | 4.92  | 84  | 9662   | 1.956 ug/L   | 94     |
| 34) Benzene                   | 8.32  | 78  | 401753 | 27.558 ug/L  | 100    |
| 35) Trichloroethene           | 9.09  | 95  | 94462  | 24.097 ug/L  | 99     |
| 40) 1,2-Dichloropropane       | 9.27  | 63  | 15126  | 4.225 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75  | 3960   | 0.726 ug/L # | 52     |
| 44) Toluene                   | 10.39 | 91  | 384131 | 24.961 ug/L  | 97     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75  | 2633   | 0.538 ug/L   | 85     |
| 52) Chlorobenzene             | 11.66 | 112 | 224573 | 22.055 ug/L  | 98     |

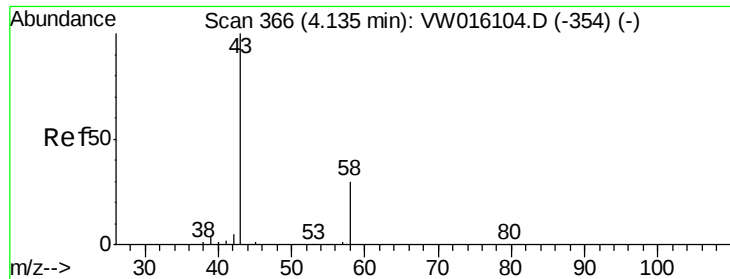
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081020\  
Data File : VW016116.D  
Acq On : 10 Aug 2020 21:53  
Operator : SY/VA  
Sample : L3598-07MS  
Misc : 5.53G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAY64

Quant Time: Aug 11 02:00:10 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: 8.668 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016116.D

Acq: 10 Aug 2020 21:53

Instrument :

MSVOA\_W

ClientSampled :

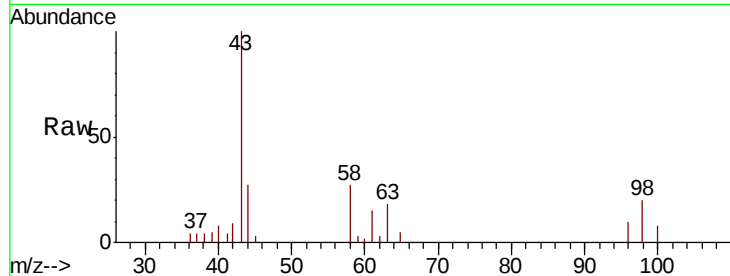
GAY64

Tot Ion: 43 Resp: 6691

Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

1500

1000

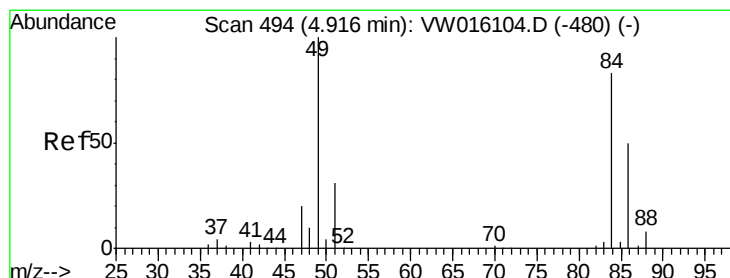
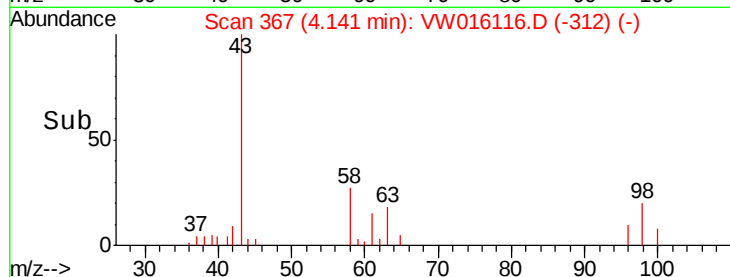
500

0

4.10

4.20

Time-->



#16

Methylene chloride

Concen: 1.956 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016116.D

Acq: 10 Aug 2020 21:53

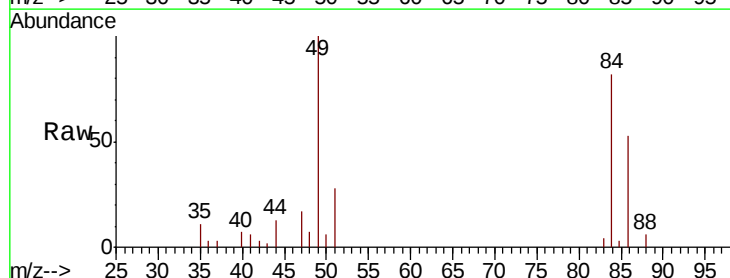
Tgt Ion: 84 Resp: 9662

Ion Ratio Lower Upper

84 100

49 122.5 80.4 149.4

86 65.4 43.8 81.3



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4000

3000

2000

1000

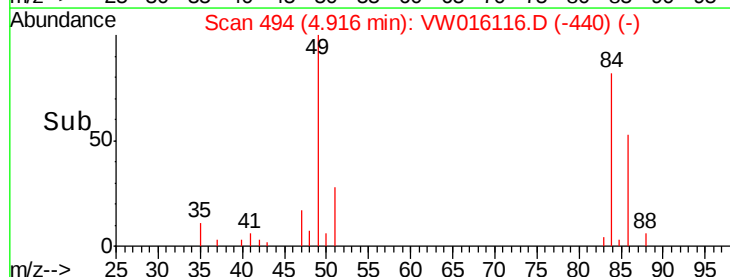
0

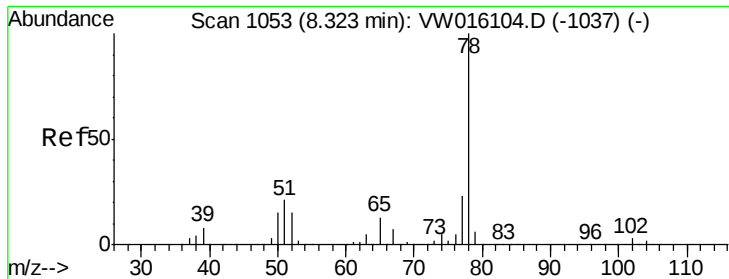
4.80

4.90

5.00

Time-->





#34

Benzene

Concen: 27.558 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016116.D

Acq: 10 Aug 2020 21:53

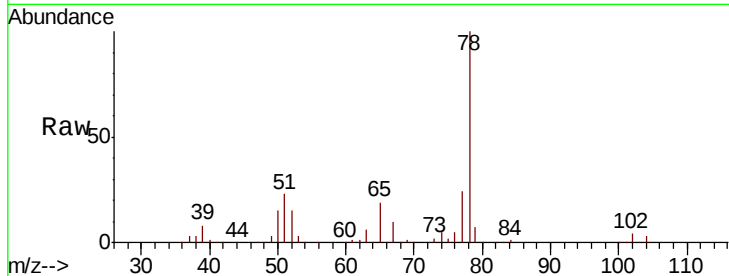
Instrument :

MSVOA\_W

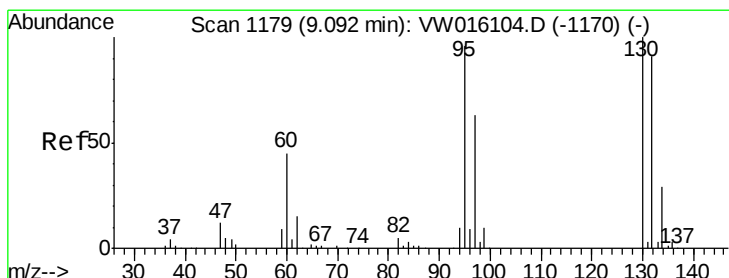
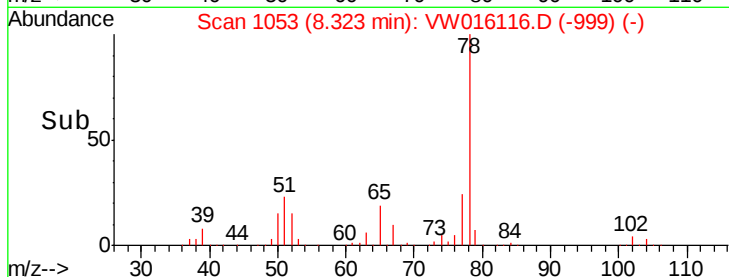
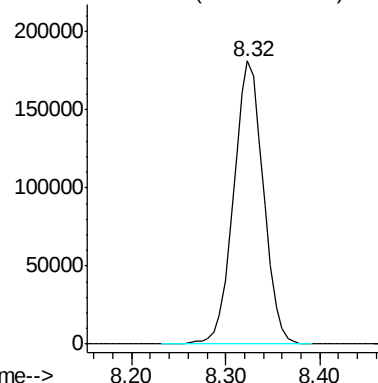
ClientSampled :

GAY64

Tgt Ion: 78 Resp: 401753



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.097 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016116.D

Acq: 10 Aug 2020 21:53

Tgt Ion: 95 Resp: 94462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.5  | 44.9  | 83.3  |
| 132 | 93.8  | 65.8  | 122.2 |
| 130 | 100.9 | 69.5  | 129.1 |

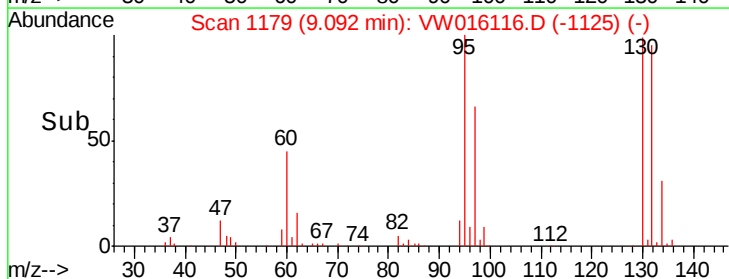
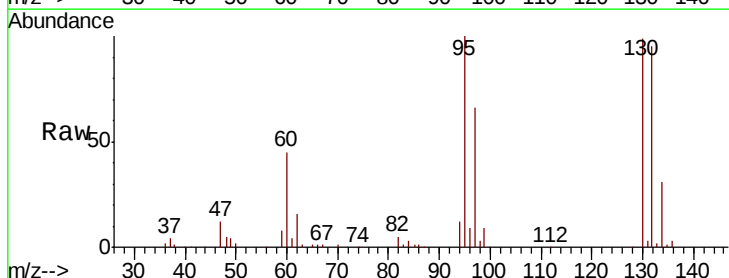
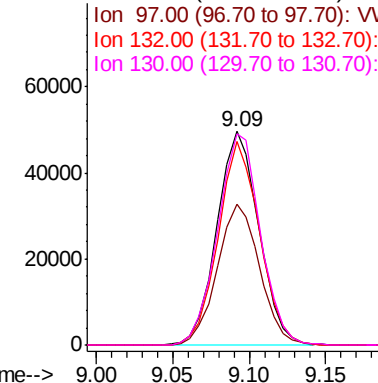
Ion 95.00 (94.70 to 95.70): VW

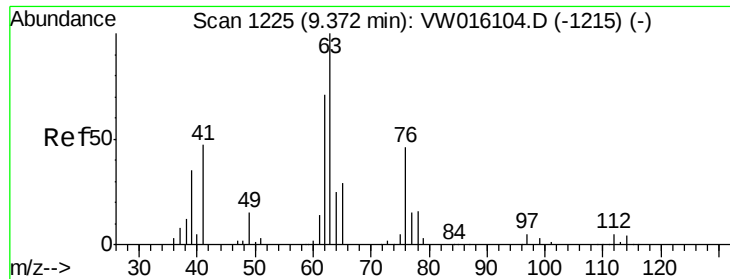
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VW

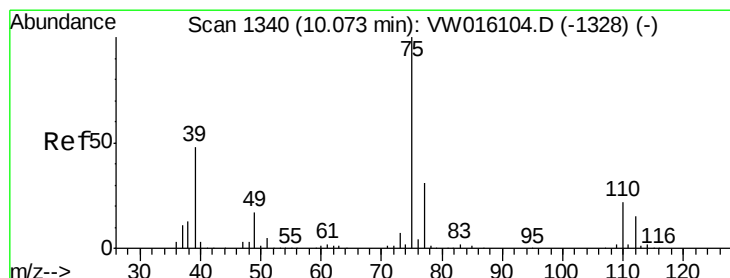
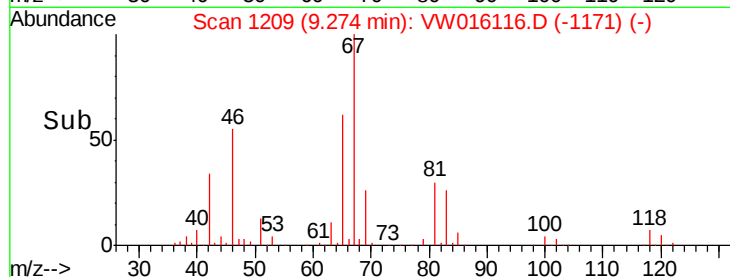
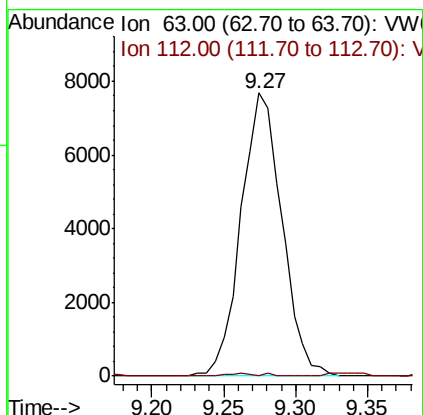
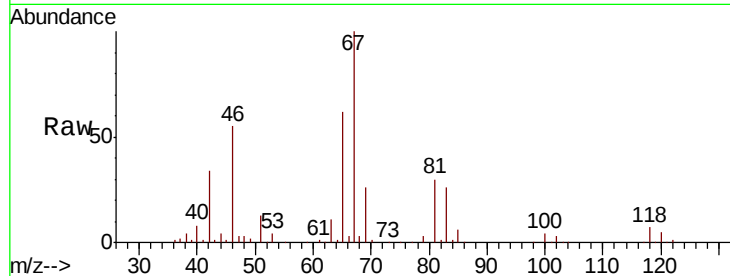




#40  
 1,2-Dichloropropane  
 Concen: 4.225 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016116.D  
 Acq: 10 Aug 2020 21:53

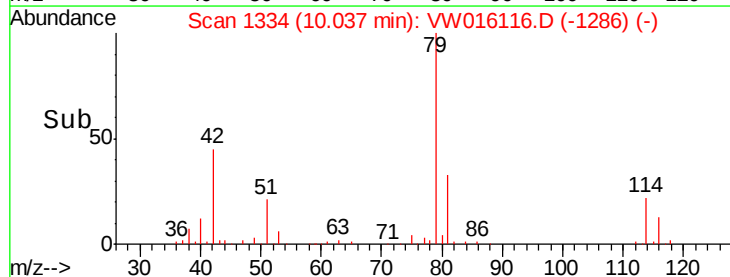
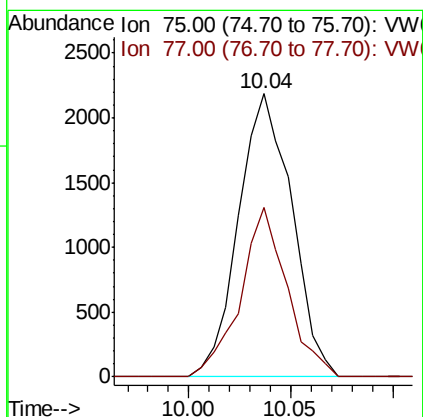
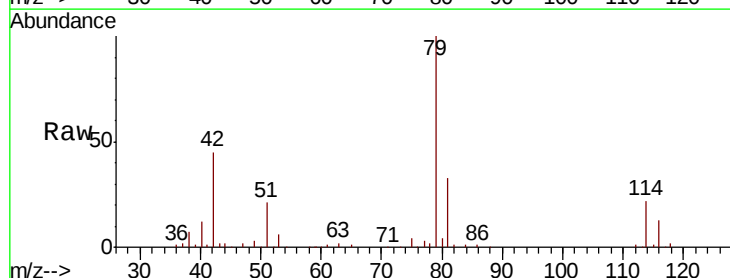
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY64

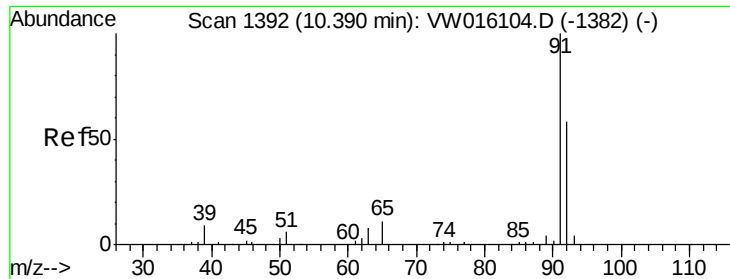
Tot Ion: 63 Resp: 15126  
 Ion Ratio Lower Upper  
 63 100  
 112 0.2 4.0 6.0#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.726 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016116.D  
 Acq: 10 Aug 2020 21:53

Tgt Ion: 75 Resp: 3960  
 Ion Ratio Lower Upper  
 75 100  
 77 59.9 22.9 42.5#





#44

Toluene

Concen: 24.961 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016116.D

Acq: 10 Aug 2020 21:53

Instrument :

MSVOA\_W

ClientSampleId :

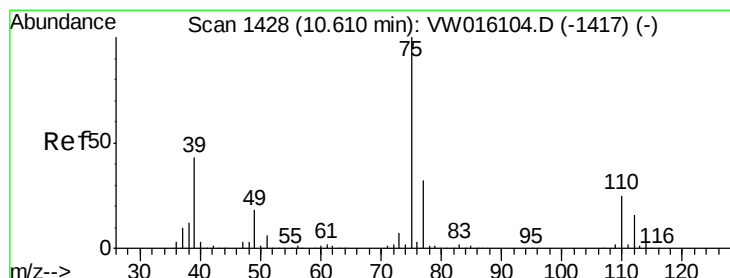
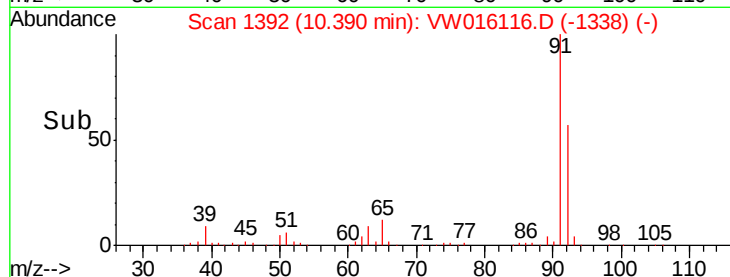
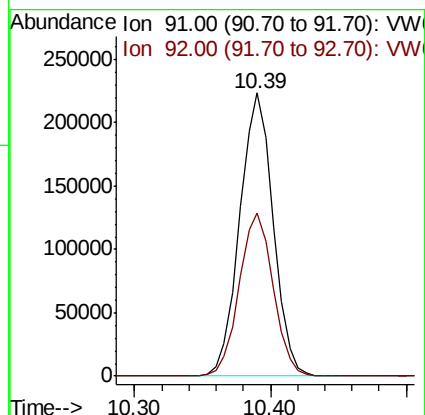
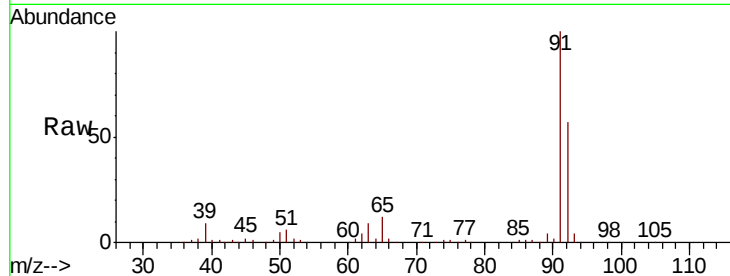
GAY64

Tot Ion: 91 Resp: 384131

Ion Ratio Lower Upper

91 100

92 57.4 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 0.538 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.04 min

Lab File: VW016116.D

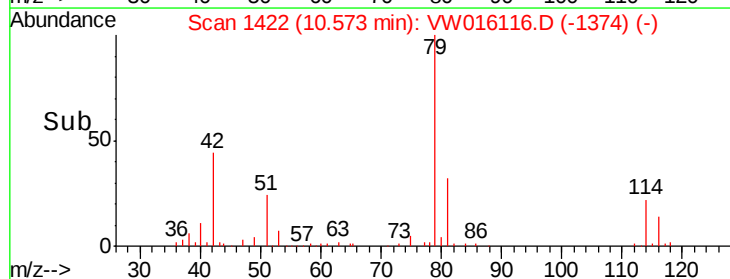
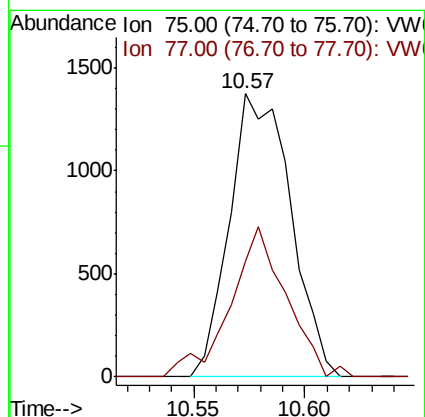
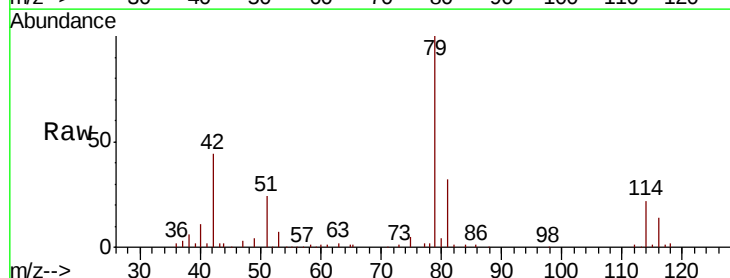
Acq: 10 Aug 2020 21:53

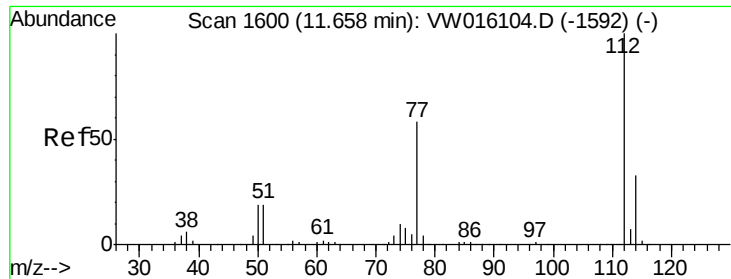
Tgt Ion: 75 Resp: 2633

Ion Ratio Lower Upper

75 100

77 40.7 22.7 42.1





#52  
 Chlorobenzene  
 Concen: 22.055 ug/L  
 RT: 11.66 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: VW016116.D  
 Acq: 10 Aug 2020 21:53

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY64

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 77      | 59.9  | 49.1  | 73.7  |
| 114     | 31.9  | 23.5  | 43.7  |

