

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092520\  
 Data File : VW016642.D  
 Acq On : 24 Sep 2020 15:38  
 Operator : SY/VA  
 Sample : L4108-21  
 Misc : 5.91G/10ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3L7

Quant Time: Sep 25 08:03:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 25 07:55:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 674792   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 565118   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 243118   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 156295   | 23.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.72%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 138583   | 25.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.96% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 248019   | 16.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.92%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 69118    | 38.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.62%  |
| 24) Chloroform-d               | 7.65   | 84    | 370638   | 26.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.04% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 186875   | 25.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.16% |
| 29) Benzene-d6                 | 8.28   | 84    | 726774   | 28.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.72% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 199389   | 29.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.12% |
| 37) Toluene-d8                 | 10.33  | 98    | 677267   | 27.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.64% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 80364    | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.84%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 56337    | 45.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.20%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 137539   | 23.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.12%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 210457   | 27.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.36% |

## Target Compounds

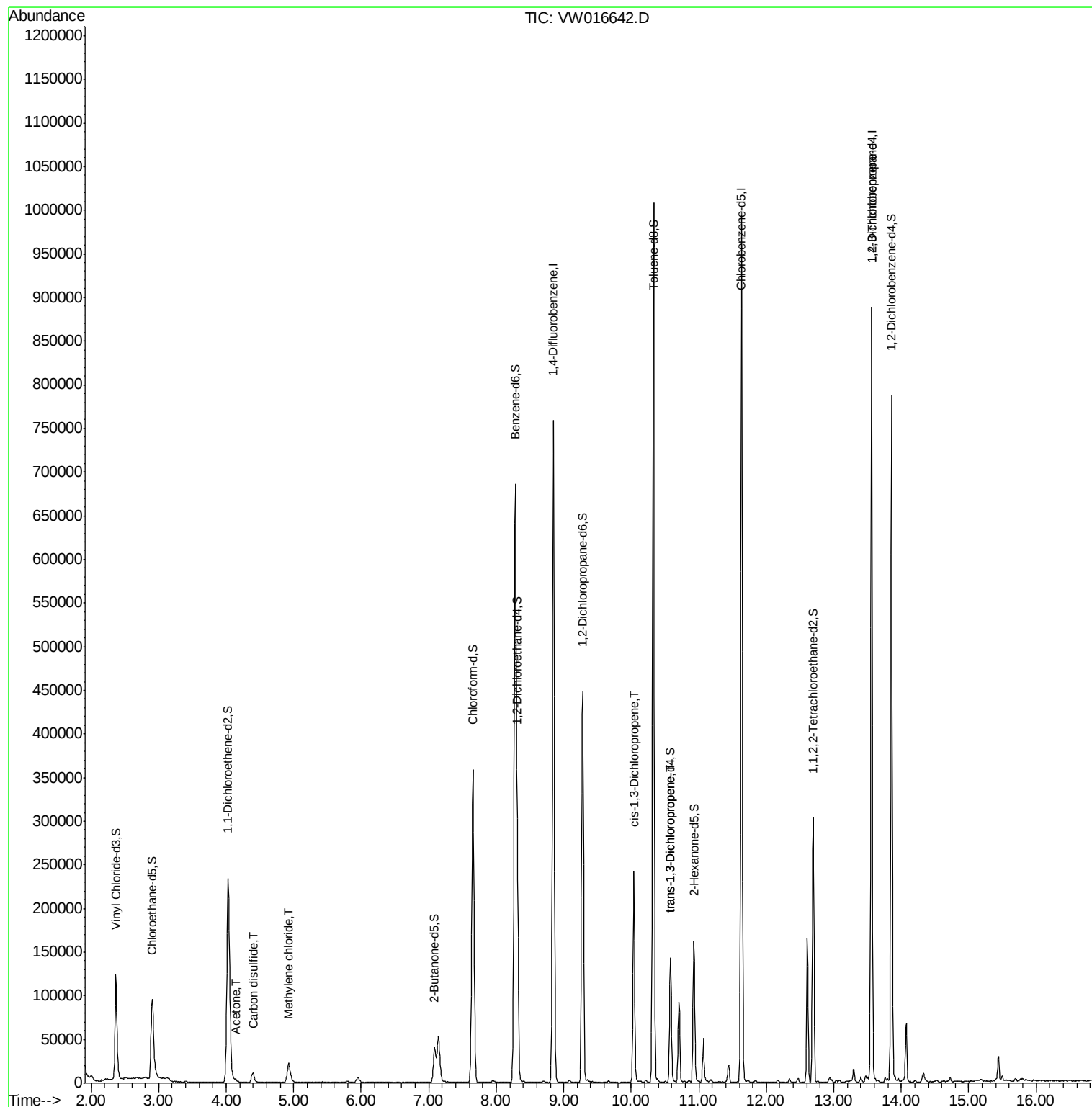
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43 | 4962  | 3.557 ug/L   | 84     |
| 14) Carbon disulfide          | 4.40  | 76 | 23729 | 0.920 ug/L   | 100    |
| 16) Methylene chloride        | 4.93  | 84 | 18667 | 1.794 ug/L   | 92     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 6957  | 0.578 ug/L # | 74     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75 | 4122  | 0.394 ug/L   | 83     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 25789 | 5.217 ug/L   | 89     |

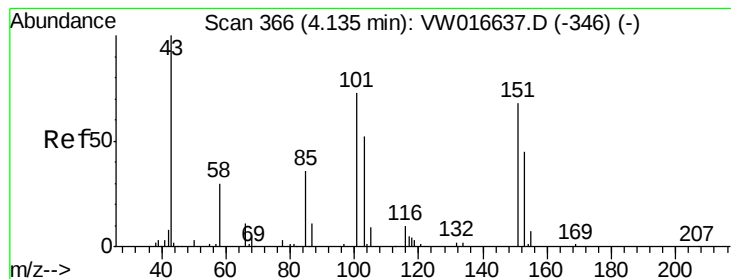
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 25 07:55:30 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 3.557 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016642.D

Acq: 24 Sep 2020 15:38

Instrument :

MSVOA\_W

ClientSampleId :

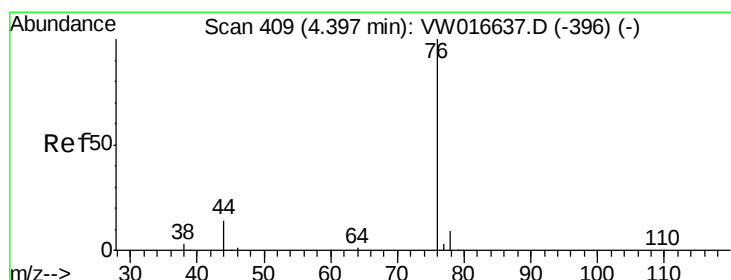
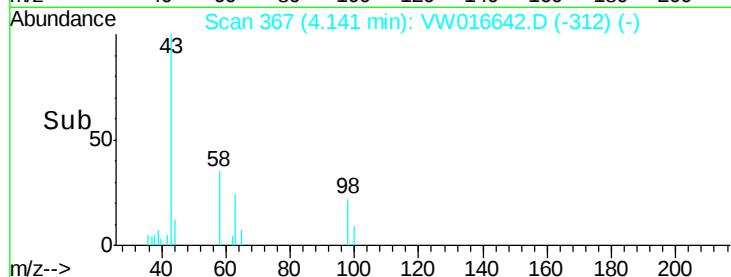
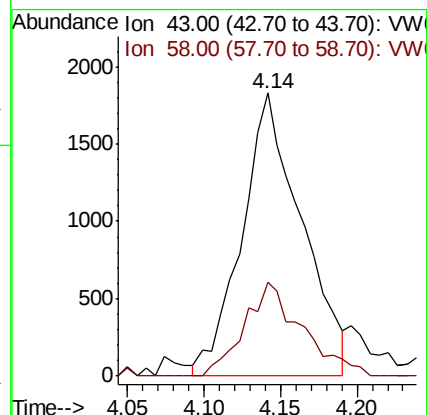
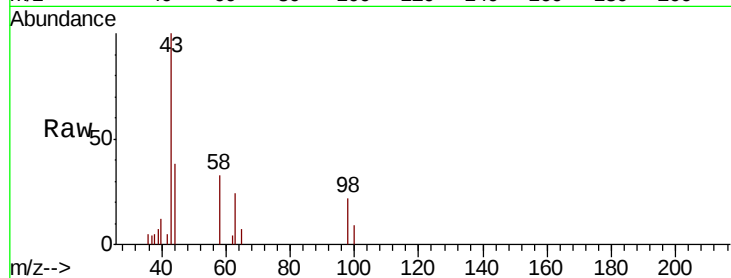
BG3L7

Tot Ion: 43 Resp: 4962

Ion Ratio Lower Upper

43 100

58 21.7 0.0 60.2



#14

Carbon disulfide

Concen: 0.920 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016642.D

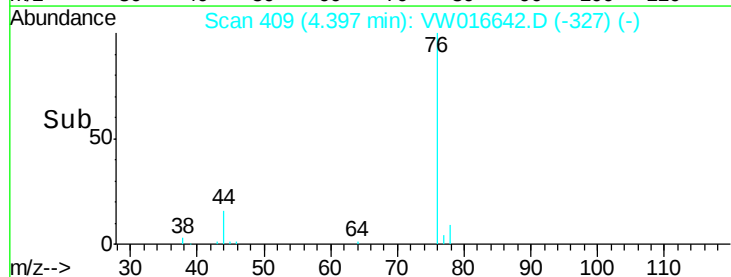
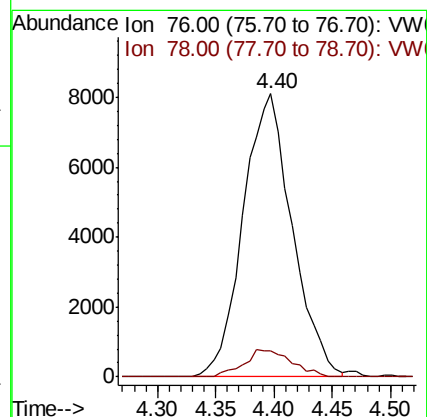
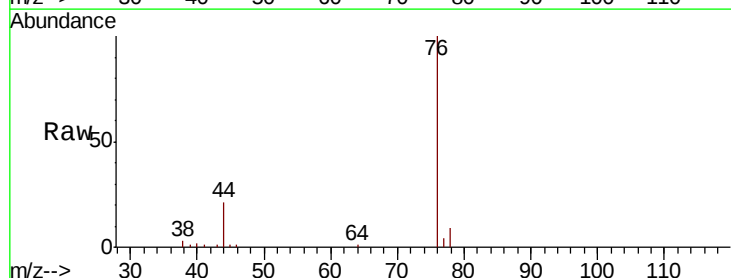
Acq: 24 Sep 2020 15:38

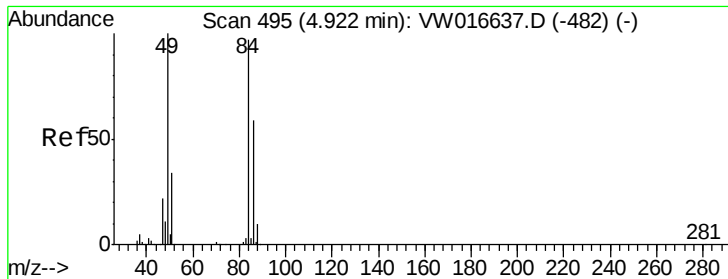
Tgt Ion: 76 Resp: 23729

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

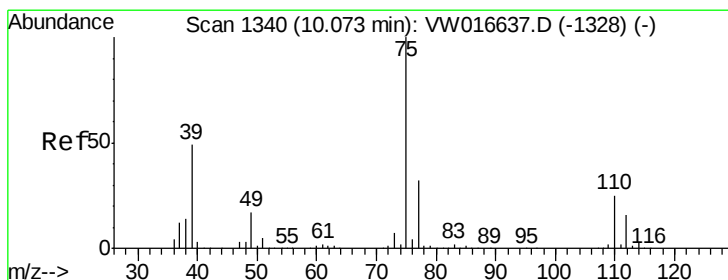
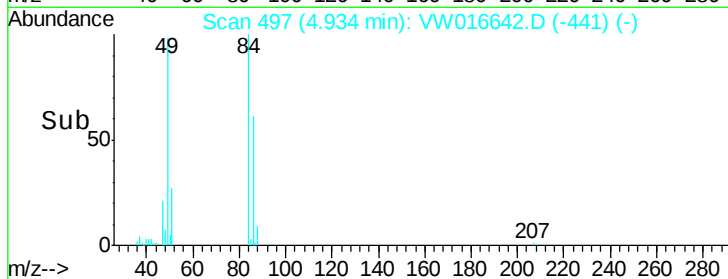
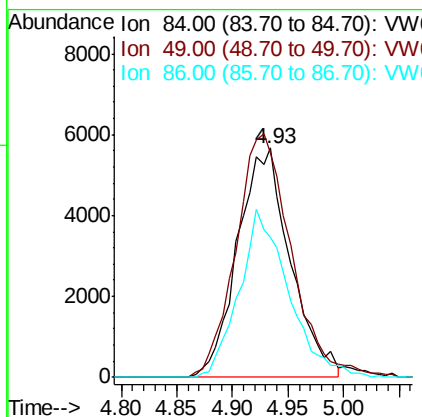
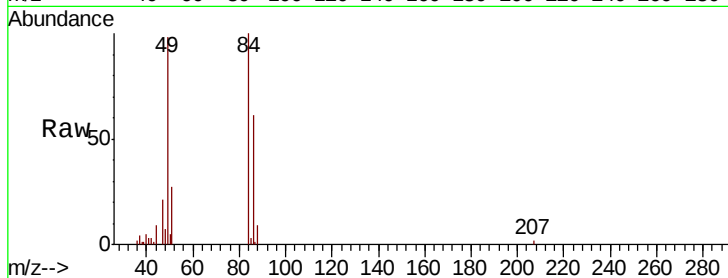




#16  
Methvlene chloride  
Concen: 1.794 ug/L  
RT: 4.93 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VW016642.D  
Acq: 24 Sep 2020 15:38

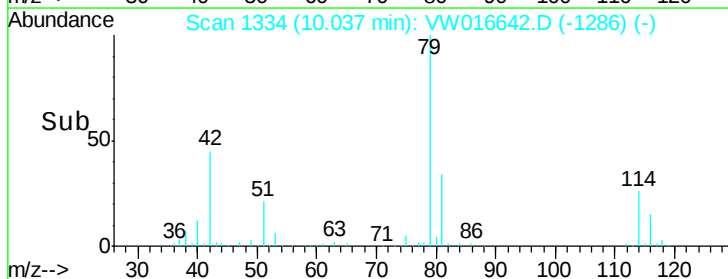
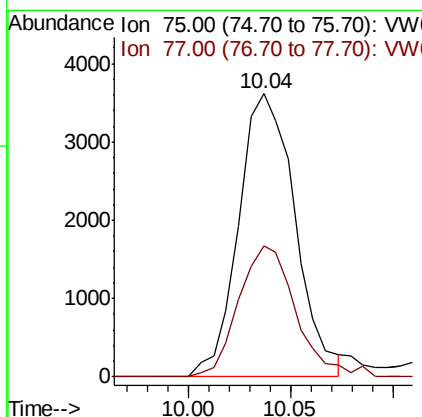
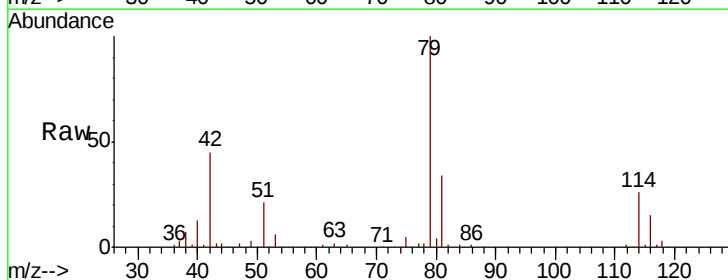
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BG3L7

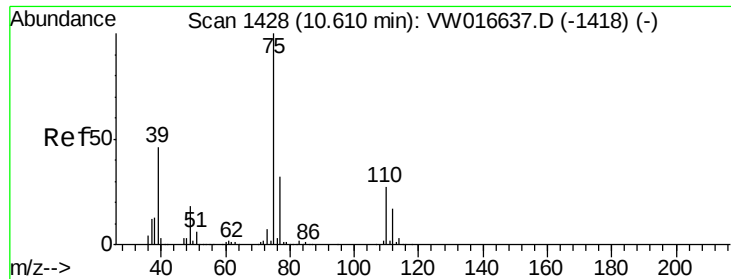
| Tot Ion   | 84    | Resp  | 18667 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 84        | 100   |       |       |
| 49        | 98.0  | 76.0  | 141.2 |
| 86        | 61.1  | 45.6  | 84.6  |



#42  
cis-1,3-Dichloropropene  
Concen: 0.578 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW016642.D  
Acq: 24 Sep 2020 15:38

| Tgt Ion   | 75    | Resp  | 6957  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 46.2  | 22.2  | 41.2# |





#45

trans-1,3-Dichloropropene

Concen: 0.394 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016642.D

Acq: 24 Sep 2020 15:38

Instrument :

MSVOA\_W

ClientSampleId :

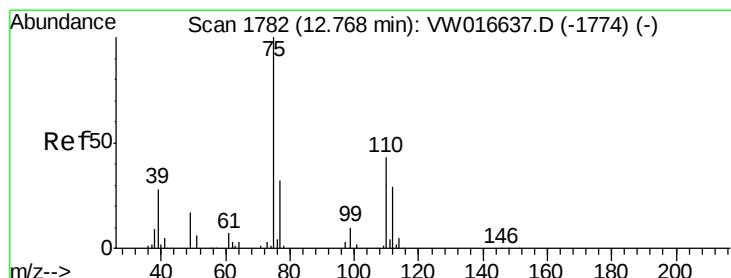
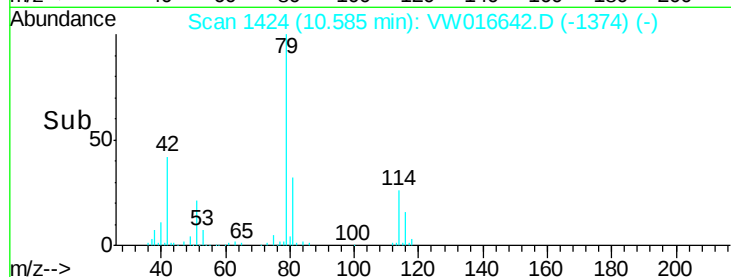
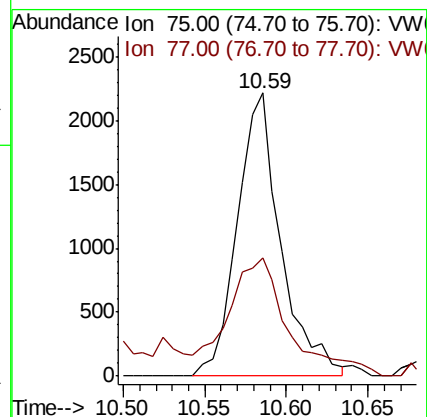
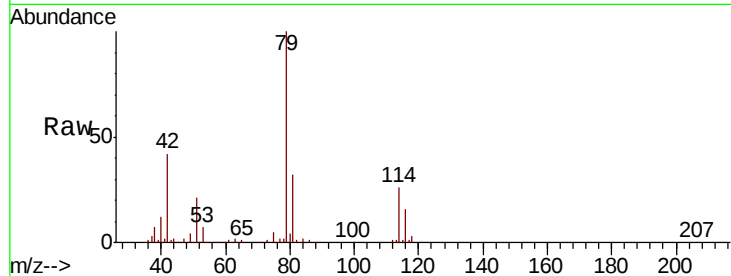
BG3L7

Tot Ion: 75 Resp: 4122

Ion Ratio Lower Upper

75 100

77 41.8 22.5 41.9



#59

1,2,3-Trichloropropane

Concen: 5.217 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016642.D

Acq: 24 Sep 2020 15:38

Tgt Ion: 75 Resp: 25789

Ion Ratio Lower Upper

75 100

77 39.0 26.2 39.4

