

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\  
 Data File : VW017069.D  
 Acq On : 03 Nov 2020 19:04  
 Operator : SY/VA  
 Sample : L4615-07  
 Misc : 5.13G/10ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG479

Quant Time: Nov 04 06:11:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 04 04:03:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 450753   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 383037   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 144948   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 122579   | 23.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.24%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 104987   | 26.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 104.20% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 168294   | 16.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.52%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 47227    | 48.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.38%  |
| 24) Chloroform-d               | 7.65   | 84    | 248555   | 23.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 116967   | 23.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.60%  |
| 29) Benzene-d6                 | 8.28   | 84    | 510793   | 25.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 103.84% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 140557   | 26.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.88% |
| 37) Toluene-d8                 | 10.33  | 98    | 455836   | 24.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 47204    | 20.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 36754    | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.58%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 97272    | 24.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 126408   | 24.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.24%  |

## Target Compounds

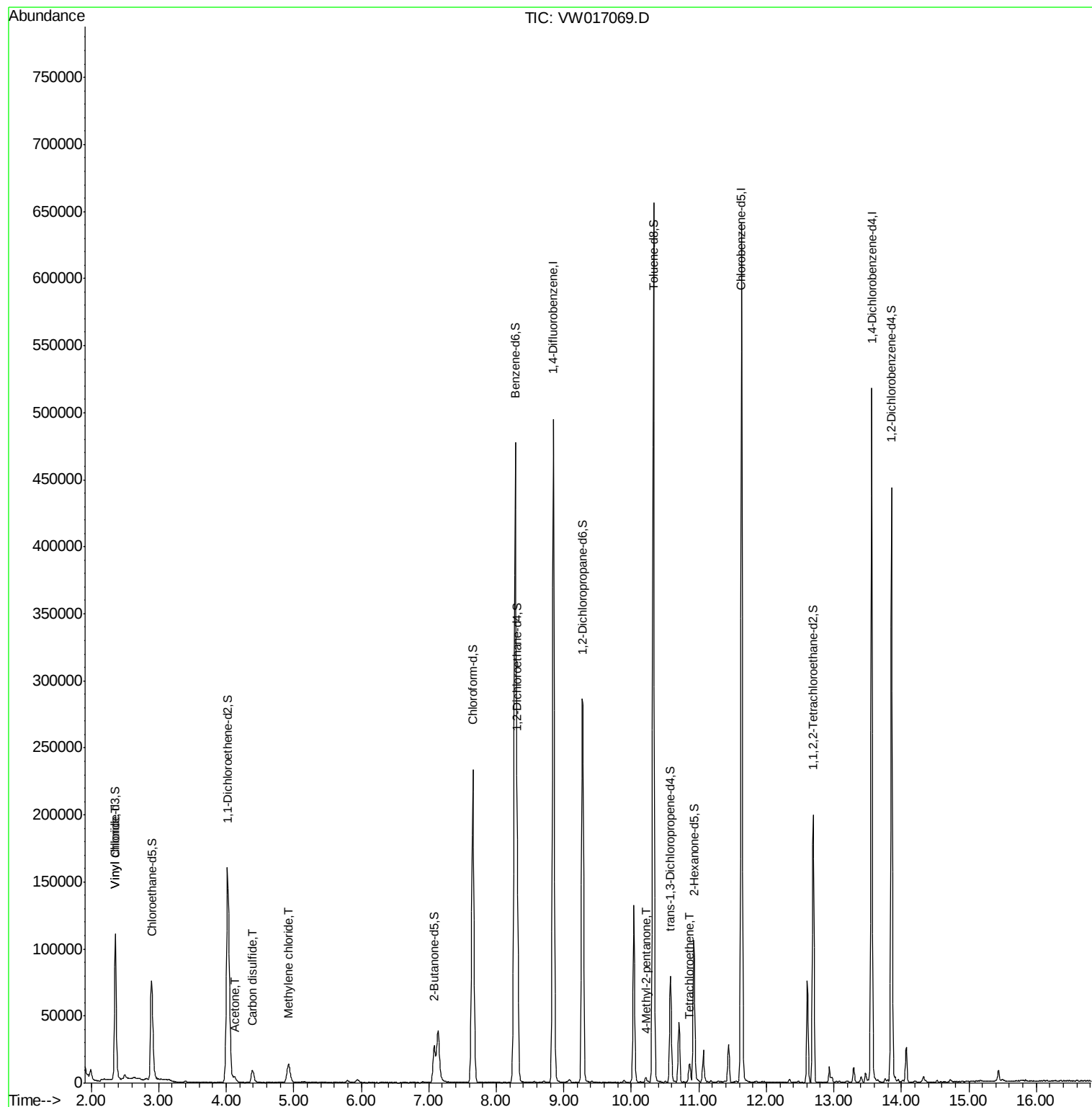
|                          |       |     |       |            | Ovalue |
|--------------------------|-------|-----|-------|------------|--------|
| 5) Vinyl chloride        | 2.36  | 62  | 8473  | 1.304 ug/L | # 48   |
| 13) Acetone              | 4.12  | 43  | 5753  | 8.724 ug/L | 94     |
| 14) Carbon disulfide     | 4.38  | 76  | 16199 | 0.906 ug/L | 99     |
| 16) Methylene chloride   | 4.93  | 84  | 12980 | 2.178 ug/L | 95     |
| 43) 4-Methyl-2-pentanone | 10.22 | 43  | 2726  | 1.217 ug/L | 96     |
| 47) Tetrachloroethene    | 10.86 | 164 | 3651  | 0.677 ug/L | 87     |

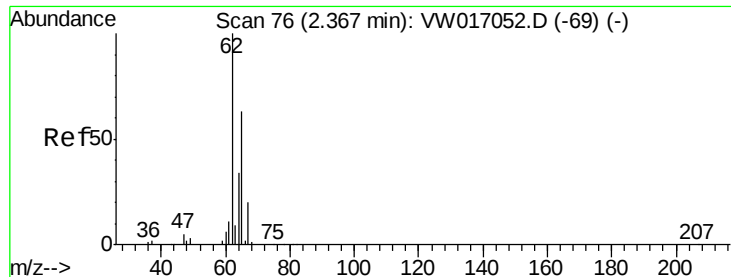
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110320\  
Data File : VW017069.D  
Acq On : 03 Nov 2020 19:04  
Operator : SY/VA  
Sample : L4615-07  
Misc : 5.13G/10ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG479

Quant Time: Nov 04 06:11:03 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 04 04:03:33 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.304 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017069.D

Acq: 03 Nov 2020 19:04

Instrument :

MSVOA\_W

ClientSampleID :

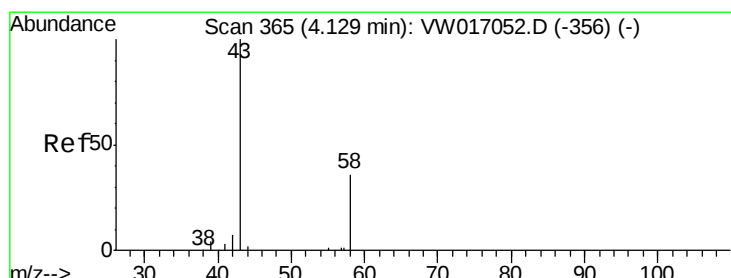
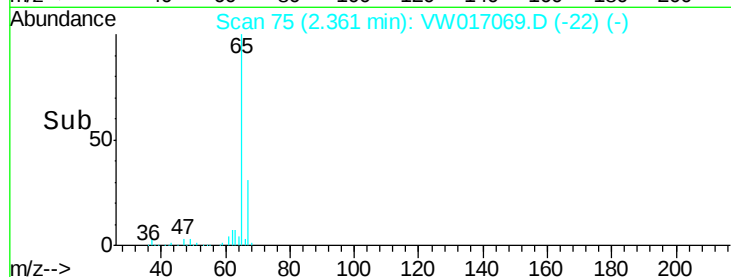
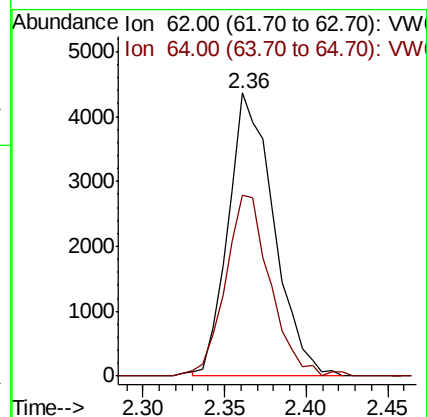
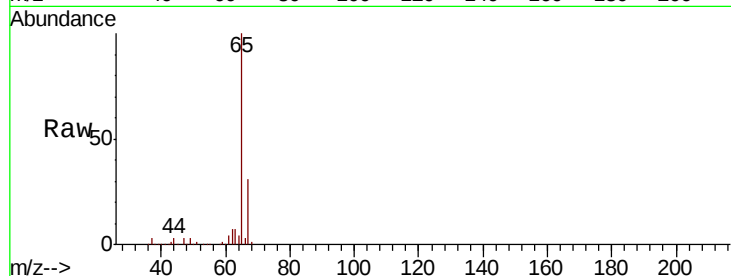
BG479

Tot Ion: 62 Resp: 8473

Ion Ratio Lower Upper

62 100

64 64.1 24.1 44.7#



#13

Acetone

Concen: 8.724 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017069.D

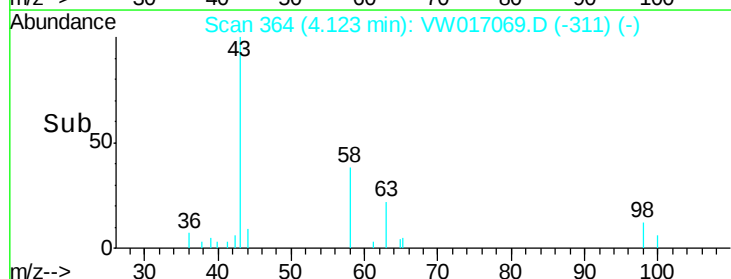
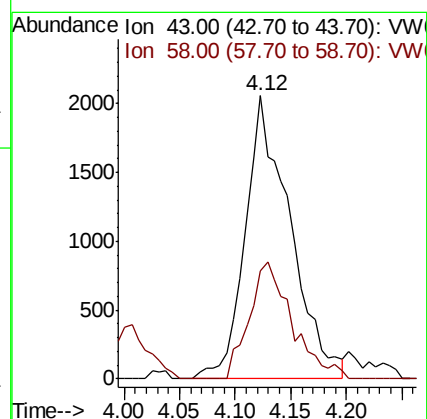
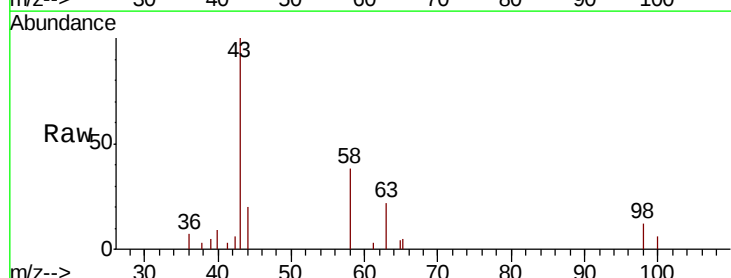
Acq: 03 Nov 2020 19:04

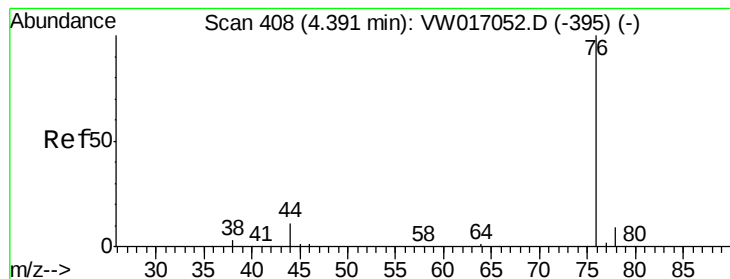
Tgt Ion: 43 Resp: 5753

Ion Ratio Lower Upper

43 100

58 38.6 0.0 69.8





#14

Carbon disulfide

Concen: 0.906 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017069.D

Acq: 03 Nov 2020 19:04

Instrument :

MSVOA\_W

ClientSampled :

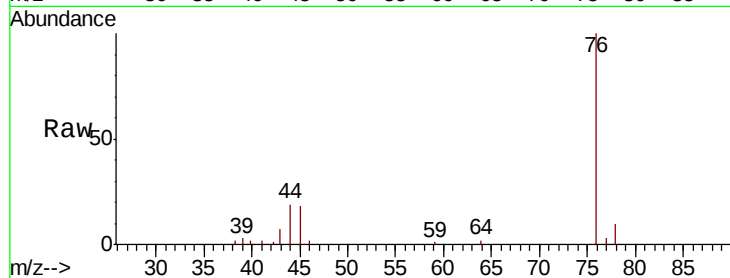
BG479

Tot Ion: 76 Resp: 16199

Ion Ratio Lower Upper

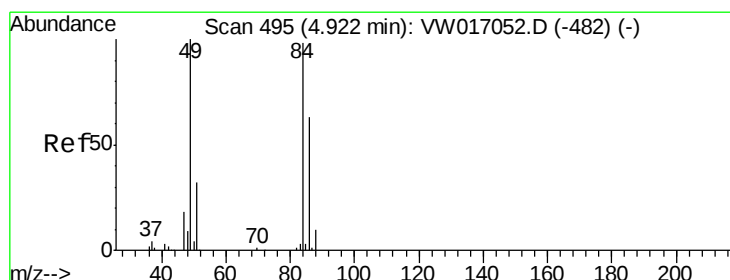
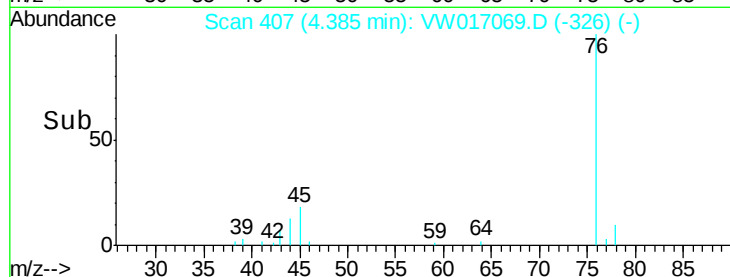
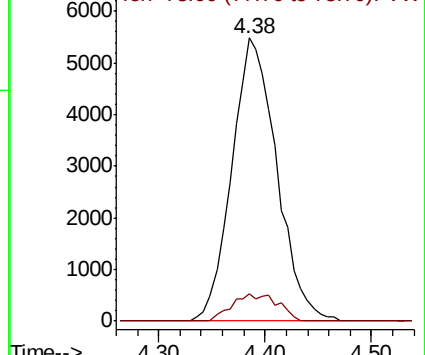
76 100

78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 2.178 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017069.D

Acq: 03 Nov 2020 19:04

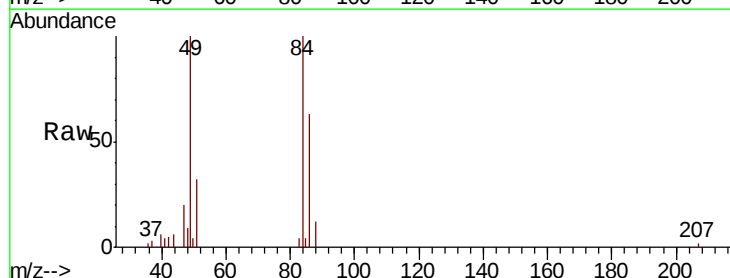
Tgt Ion: 84 Resp: 12980

Ion Ratio Lower Upper

84 100

49 100.2 73.8 137.0

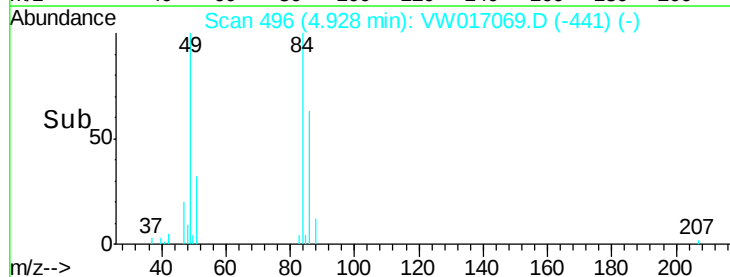
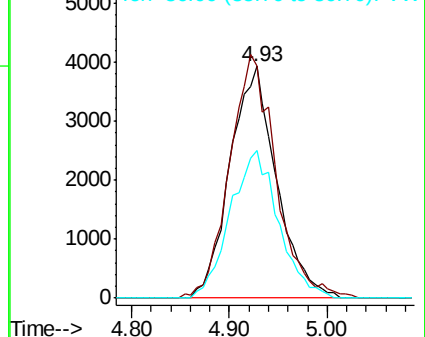
86 63.6 47.4 88.0

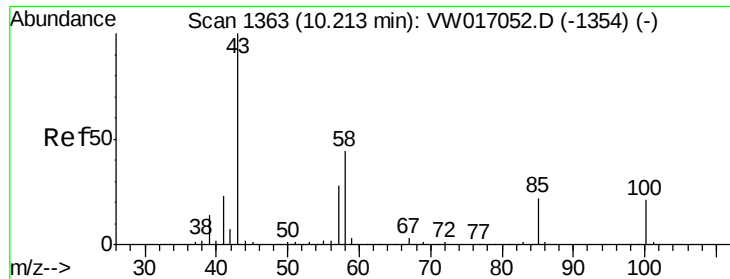


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

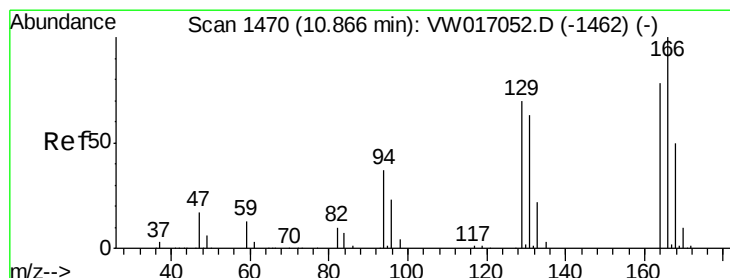
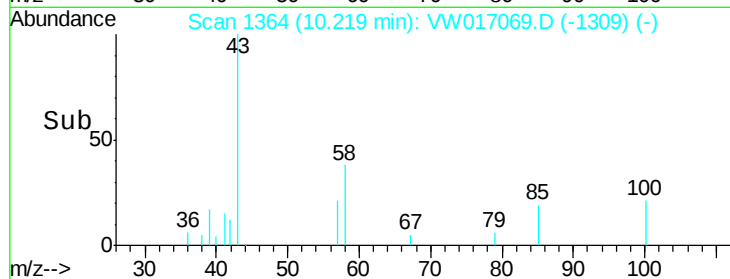
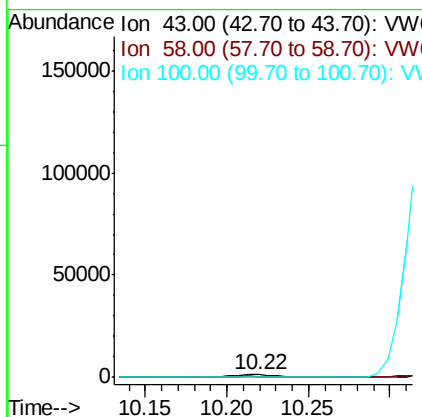
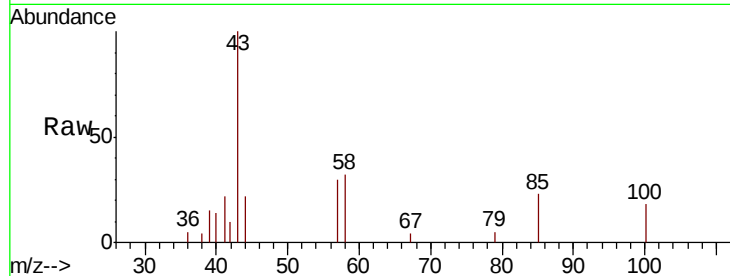




#43  
4-Methyl-2-pentanone  
Concen: 1.217 ug/L  
RT: 10.22 min Scan# 1364  
Delta R.T. 0.01 min  
Lab File: VW017069.D  
Acq: 03 Nov 2020 19:04

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG479

Tot Ion: 43 Resp: 2726  
Ion Ratio Lower Upper  
43 100  
58 40.5 34.4 51.6  
100 18.0 16.2 24.2



#47  
Tetrachloroethene  
Concen: 0.677 ug/L  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VW017069.D  
Acq: 03 Nov 2020 19:04

Tgt Ion: 164 Resp: 3651  
Ion Ratio Lower Upper  
164 100  
129 73.3 64.0 119.0  
131 90.7 61.7 114.5  
166 117.1 94.6 175.8

