

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\  
 Data File : VW015892.D  
 Acq On : 21 Jul 2020 17:20  
 Operator : SY/VA  
 Sample : L3348-01  
 Misc : 6.27G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAXY7

Quant Time: Jul 22 06:27:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 22 06:22:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 431813   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 326429   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 83128    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 157333   | 25.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.28% |
| 7) Chloroethane-d5             | 2.90   | 69    | 121653   | 24.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.32%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 218828   | 17.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.04%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 78262    | 48.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.80%  |
| 24) Chloroform-d               | 7.65   | 84    | 278056   | 22.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 158253   | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.08%  |
| 29) Benzene-d6                 | 8.28   | 84    | 549470   | 27.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.60% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 165862   | 27.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.36% |
| 37) Toluene-d8                 | 10.33  | 98    | 454398   | 25.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.00% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 61811    | 24.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.40%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 55456    | 55.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.82% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 108028   | 23.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 76848    | 23.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.84%  |

## Target Compounds

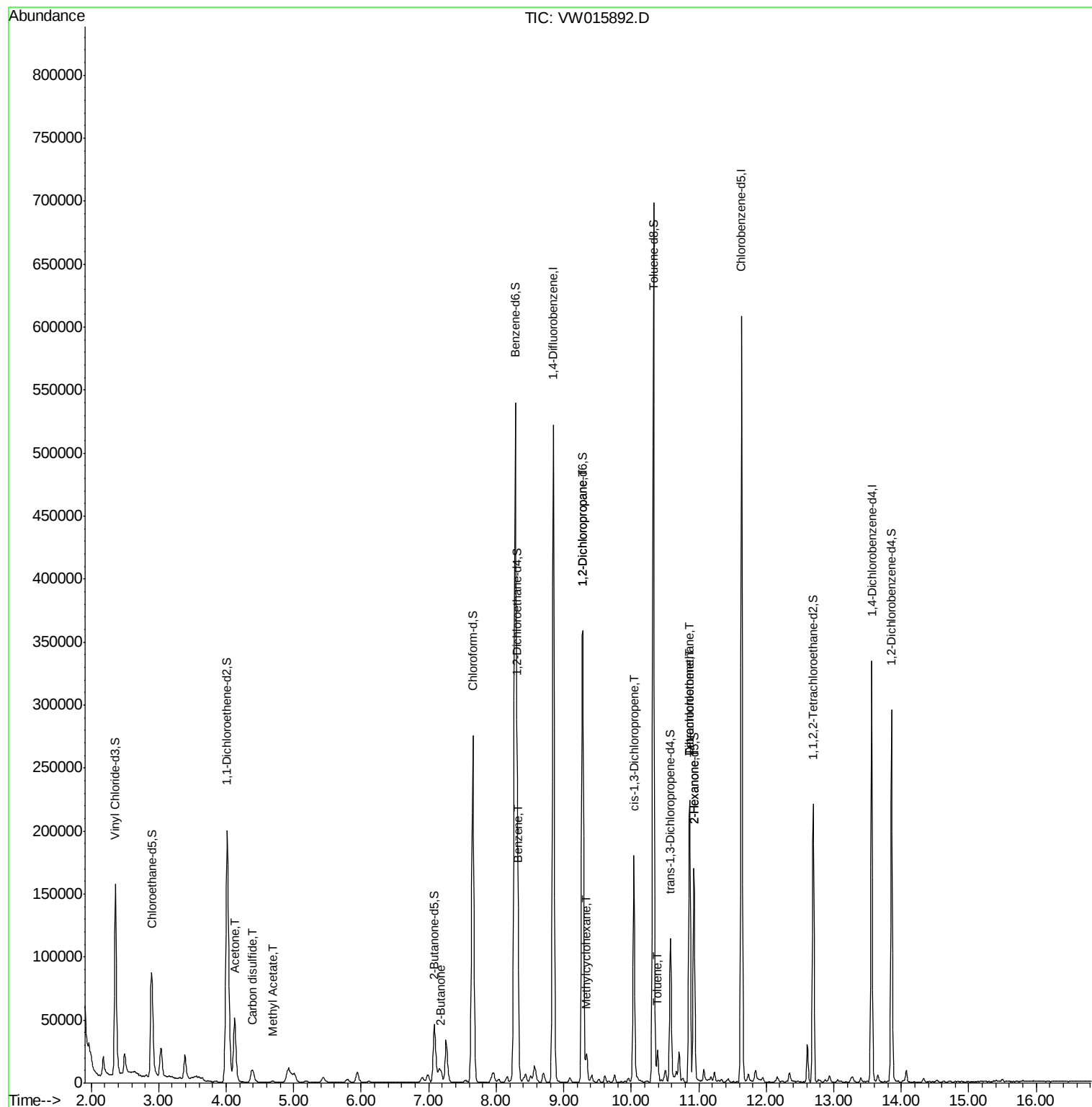
|                             |       |     |       |        | Ovalue    |
|-----------------------------|-------|-----|-------|--------|-----------|
| 13) Acetone                 | 4.12  | 43  | 87333 | 64.974 | ug/L 99   |
| 14) Carbon disulfide        | 4.38  | 76  | 18958 | 1.081  | ug/L 99   |
| 15) Methyl Acetate          | 4.68  | 43  | 2470  | 0.975  | ug/L # 84 |
| 21) 2-Butanone              | 7.18  | 43  | 7757  | 4.667  | ug/L 96   |
| 34) Benzene                 | 8.33  | 78  | 10705 | 0.540  | ug/L 100  |
| 36) Methylcyclohexane       | 9.34  | 83  | 7364  | 0.818  | ug/L # 74 |
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 19376 | 3.945  | ug/L # 87 |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 4483  | 0.599  | ug/L # 59 |
| 44) Toluene                 | 10.39 | 91  | 17415 | 0.838  | ug/L 99   |
| 47) Tetrachloroethene       | 10.87 | 164 | 49579 | 12.179 | ug/L 95   |
| 49) 2-Hexanone              | 10.93 | 43  | 7801  | 3.835  | ug/L # 66 |
| 50) Dibromochloromethane    | 10.87 | 129 | 48696 | 11.909 | ug/L # 11 |

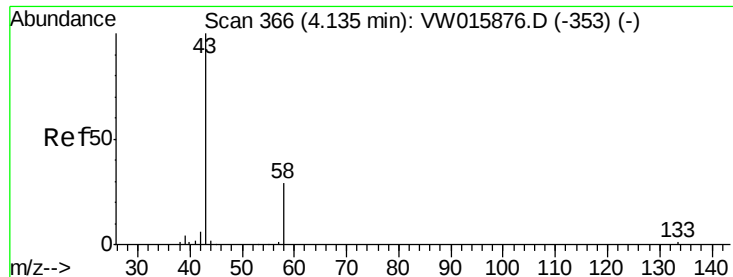
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072120\  
Data File : VW015892.D  
Acq On : 21 Jul 2020 17:20  
Operator : SY/VA  
Sample : L3348-01  
Misc : 6.27G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAXY7

Quant Time: Jul 22 06:27:43 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 22 06:22:59 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 64.974 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

Instrument :

MSVOA\_W

ClientSampleId :

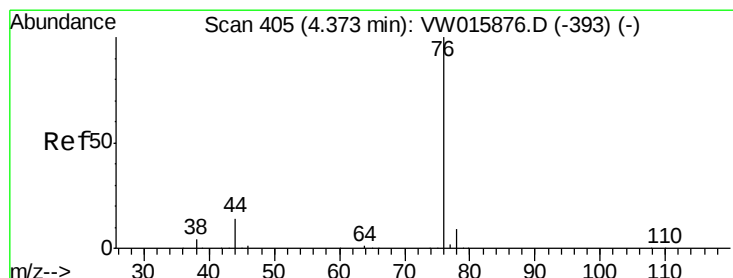
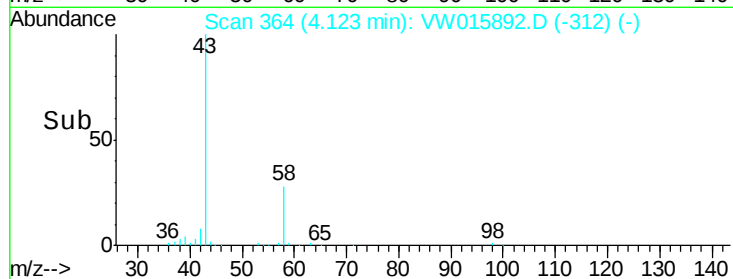
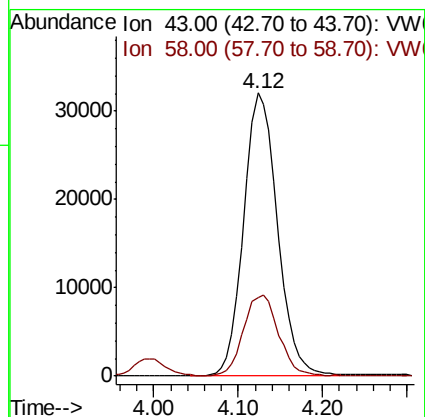
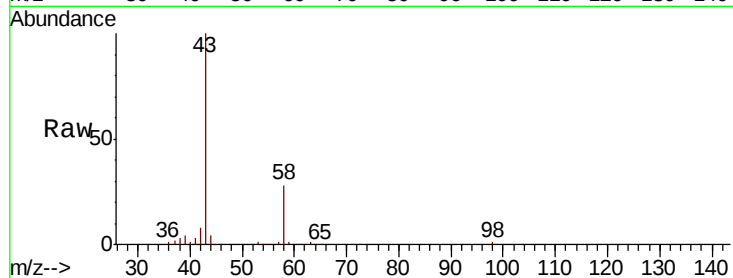
GAXY7

Tot Ion: 43 Resp: 87333

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.2



#14

Carbon disulfide

Concen: 1.081 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW015892.D

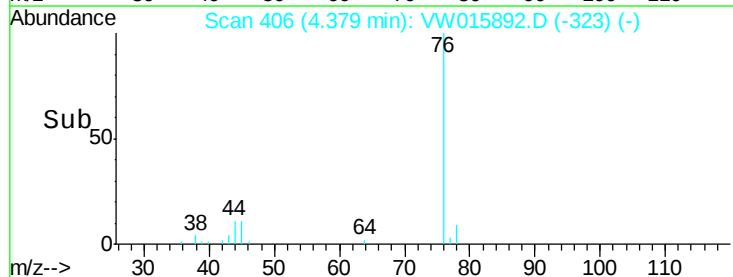
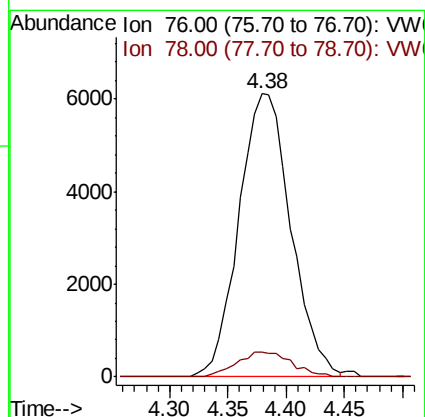
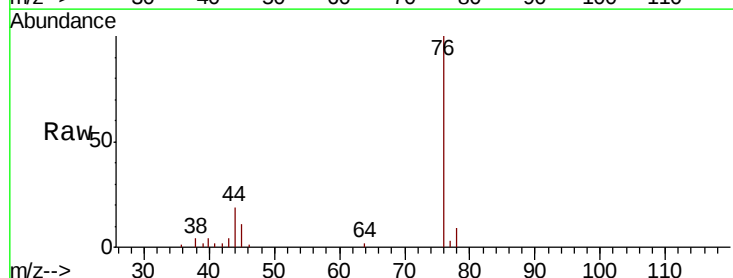
Acq: 21 Jul 2020 17:20

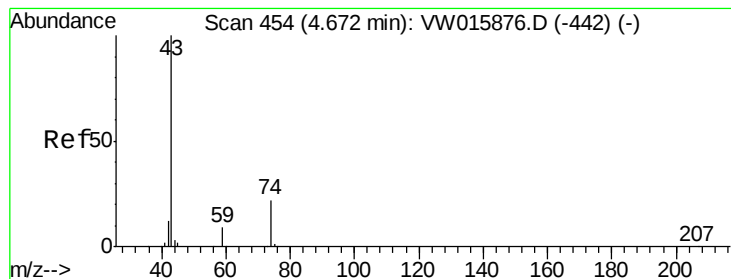
Tgt Ion: 76 Resp: 18958

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methyl Acetate

Concen: 0.975 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

Instrument :

MSVOA\_W

ClientSampled :

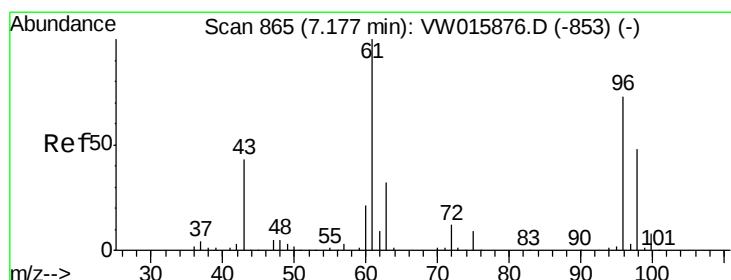
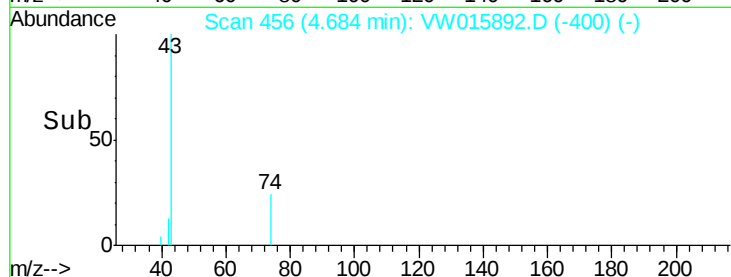
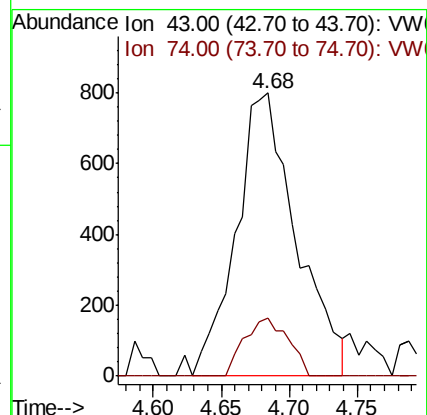
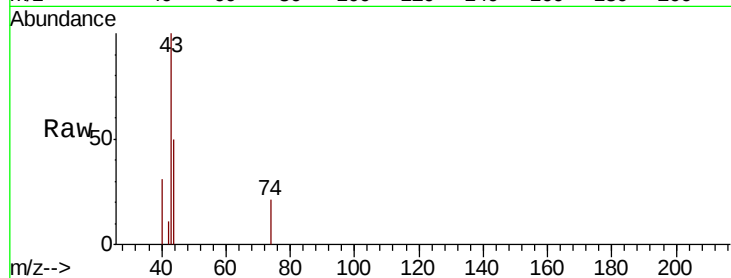
GAXY7

Tot Ion: 43 Resp: 2470

Ion Ratio Lower Upper

43 100

74 15.0 18.2 27.2#



#21

2-Butanone

Concen: 4.667 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015892.D

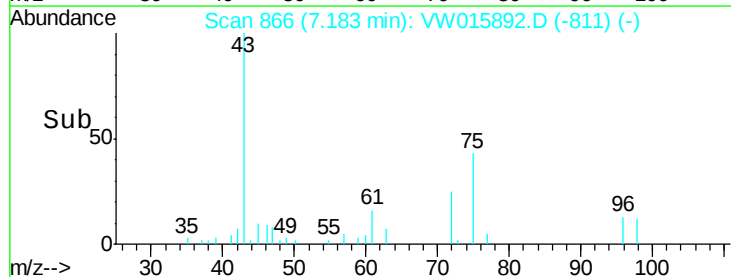
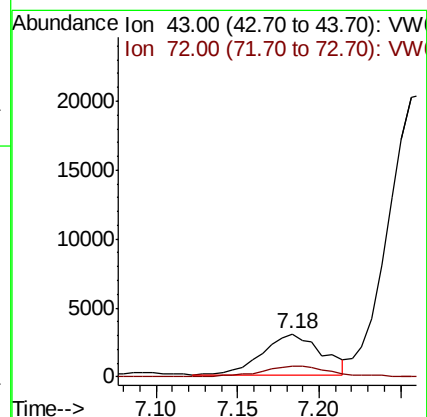
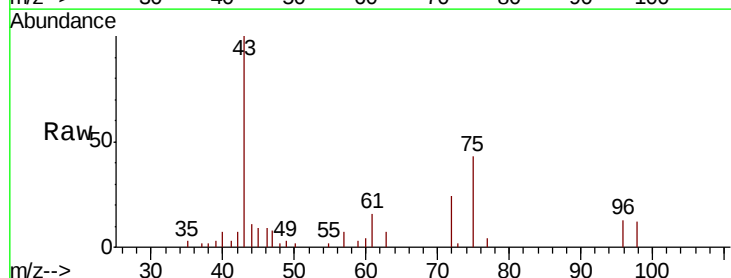
Acq: 21 Jul 2020 17:20

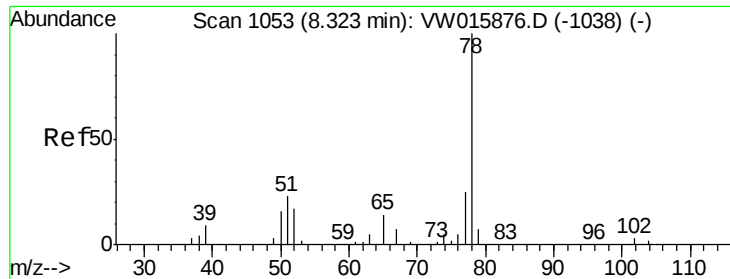
Tgt Ion: 43 Resp: 7757

Ion Ratio Lower Upper

43 100

72 29.8 13.9 41.7





#34

Benzene

Concen: 0.540 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

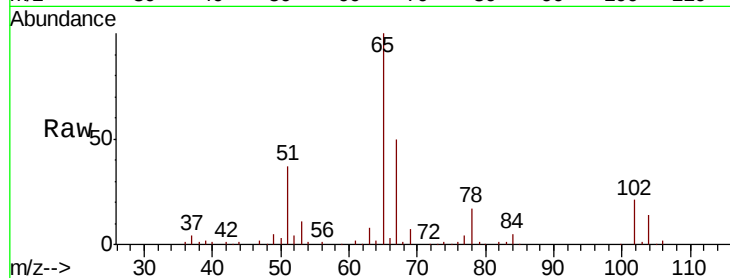
Instrument :

MSVOA\_W

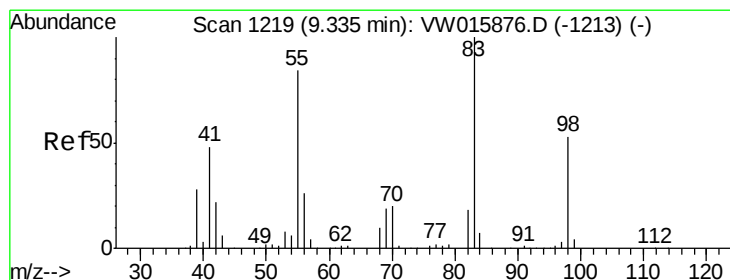
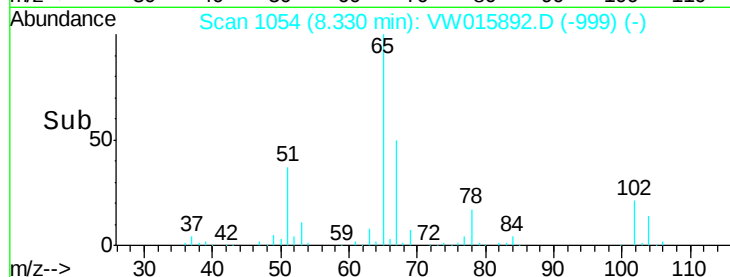
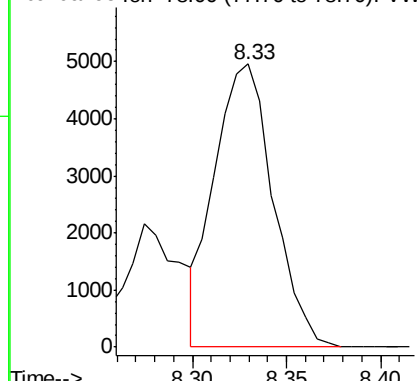
ClientSampleId :

GAXY7

Tgt Ion: 78 Resp: 10705



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 0.818 ug/L

RT: 9.34 min Scan# 1219

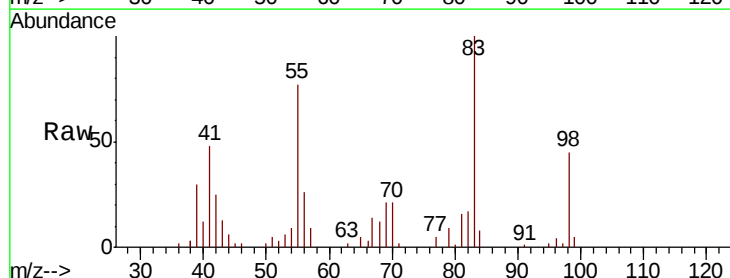
Delta R.T. 0.00 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

Tgt Ion: 83 Resp: 7364

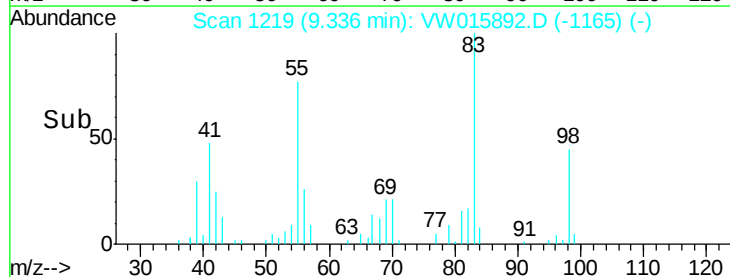
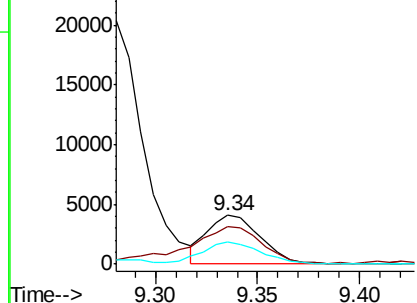
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 114.1 | 63.5  | 95.3# |
| 98  | 50.7  | 39.0  | 58.4  |

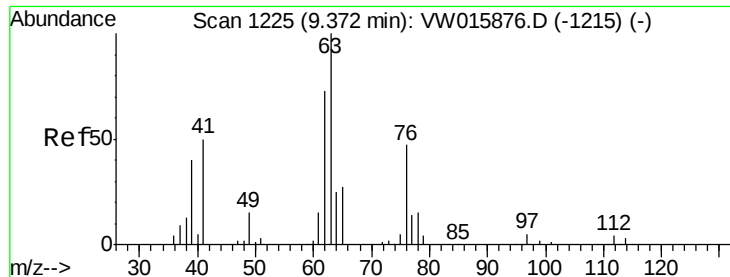


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.945 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

Instrument :

MSVOA\_W

ClientSampleId :

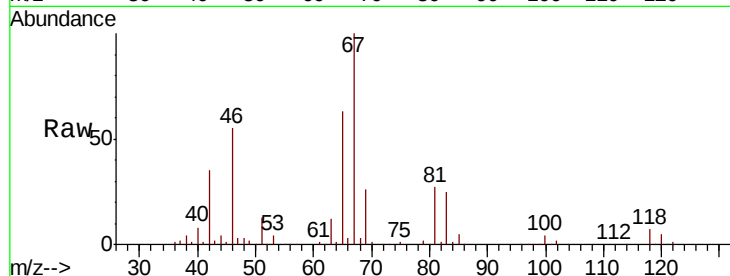
GAXY7

Tot Ion: 63 Resp: 19376

Ion Ratio Lower Upper

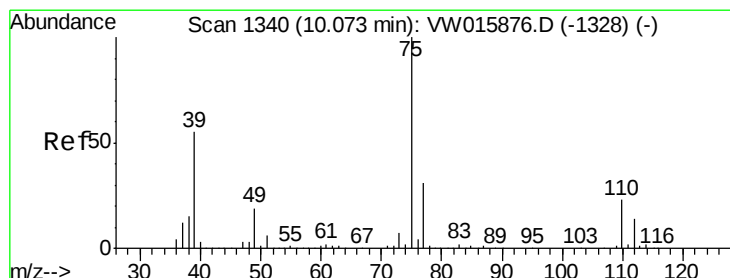
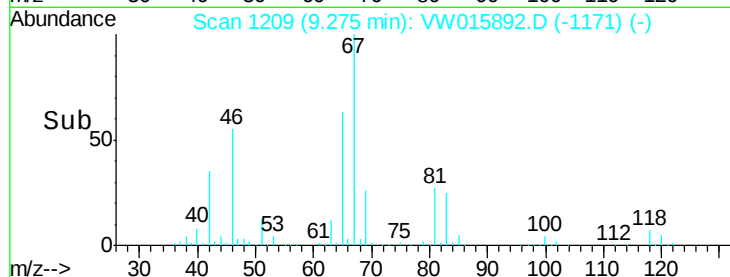
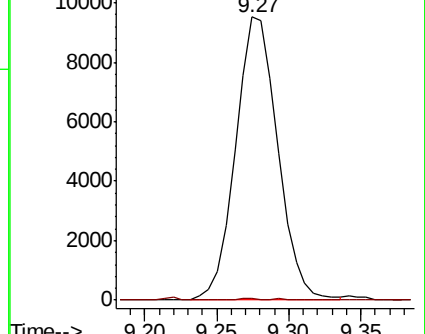
63 100

112 0.3 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015892.D

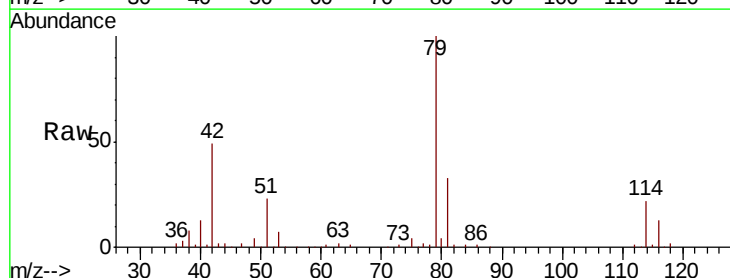
Acq: 21 Jul 2020 17:20

Tgt Ion: 75 Resp: 4483

Ion Ratio Lower Upper

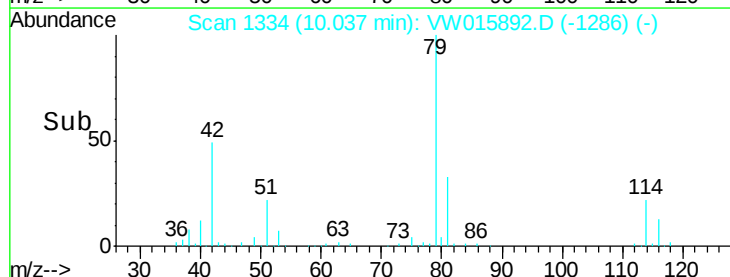
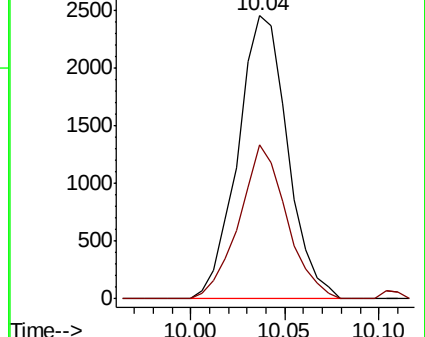
75 100

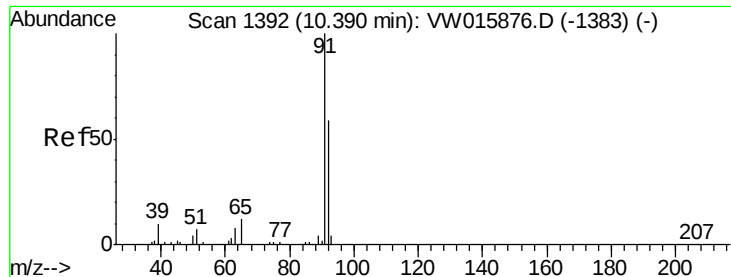
77 54.3 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.838 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

Instrument :

MSVOA\_W

ClientSampleId :

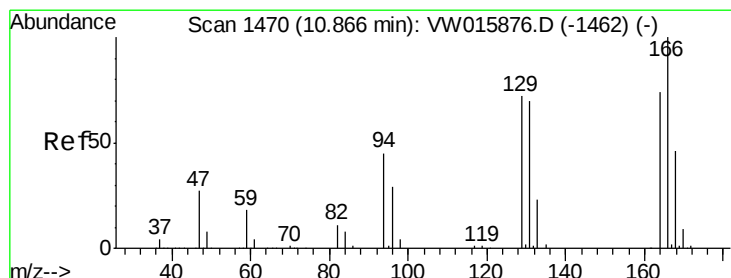
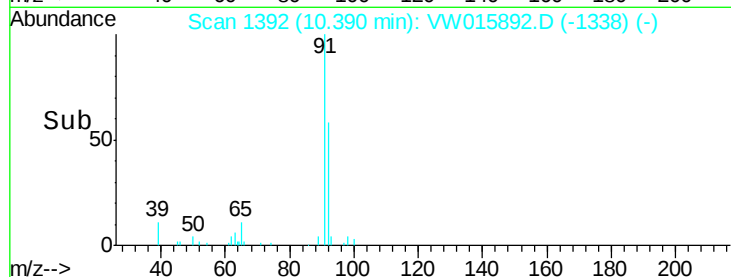
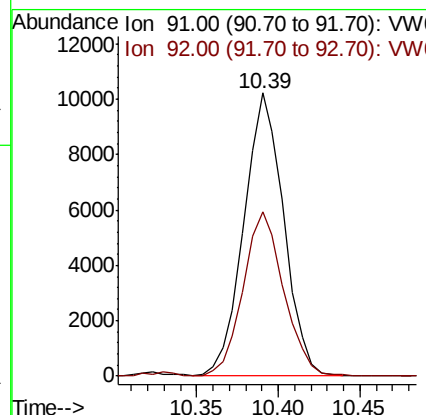
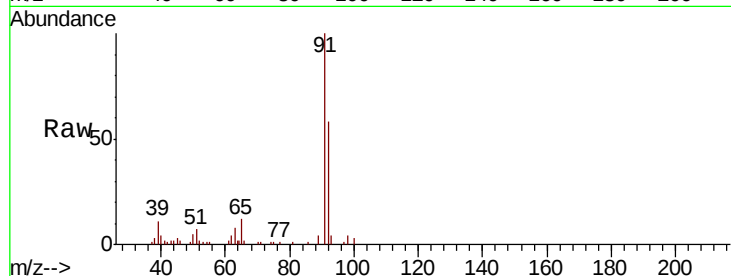
GAXY7

Tot Ion: 91 Resp: 17415

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.4



#47

Tetrachloroethene

Concen: 12.179 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015892.D

Acq: 21 Jul 2020 17:20

Tgt Ion: 164 Resp: 49579

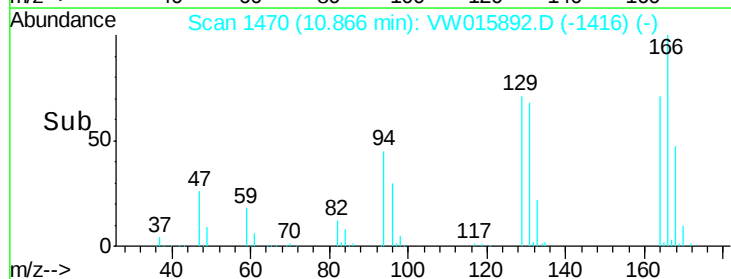
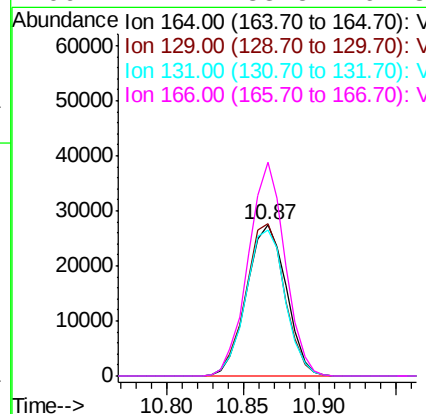
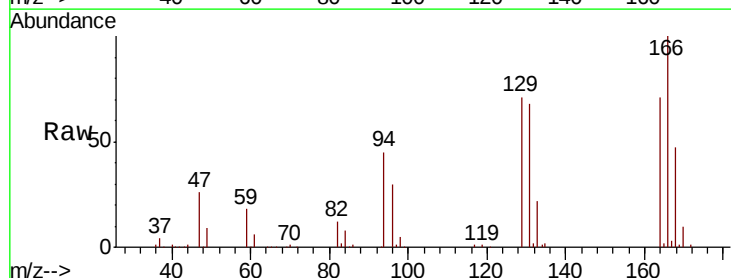
Ion Ratio Lower Upper

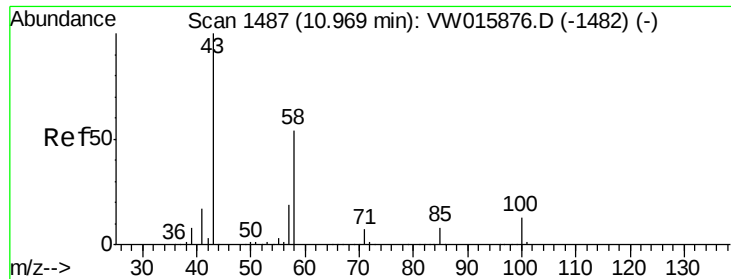
164 100

129 100.4 70.0 130.0

131 96.5 67.3 124.9

166 141.1 88.5 164.3

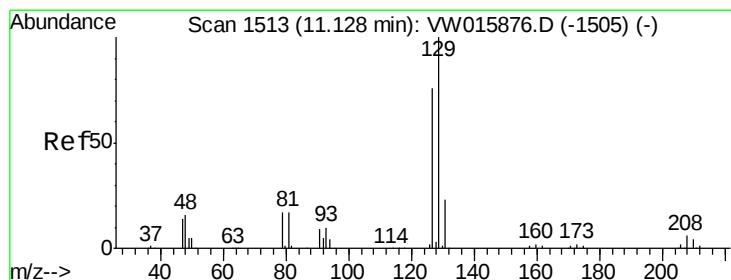
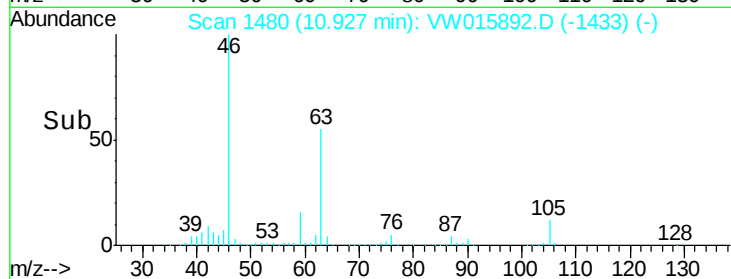
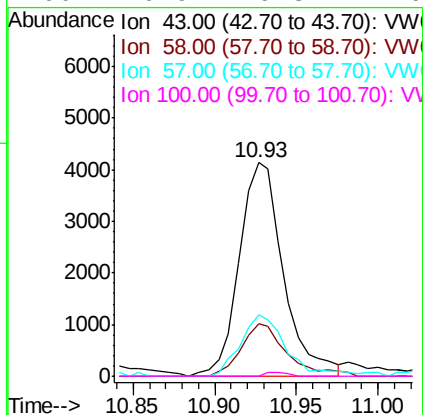
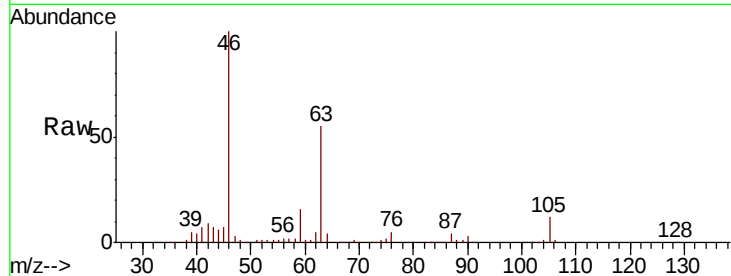




#49  
2-Hexanone  
Concen: 3.835 ug/L  
RT: 10.93 min Scan# 1480  
Delta R.T. -0.04 min  
Lab File: VW015892.D  
Acq: 21 Jul 2020 17:20

Instrument :  
MSVOA\_W  
ClientSampled :  
GAXY7

Tot Ion: 43 Resp: 7801  
Ion Ratio Lower Upper  
43 100  
58 24.2 42.4 63.6#  
57 27.6 15.6 23.4#  
100 0.9 9.8 14.6#



#50  
Dibromochloromethane  
Concen: 11.909 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.26 min  
Lab File: VW015892.D  
Acq: 21 Jul 2020 17:20

Tgt Ion: 129 Resp: 48696  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.8 100.0#

