

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\  
 Data File : VW015889.D  
 Acq On : 21 Jul 2020 16:08  
 Operator : SY/VA  
 Sample : L3347-03MS  
 Misc : 6.86G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAXZ8MS

Quant Time: Jul 22 07:40:04 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  | 496331   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 452188   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 200508   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 165503   | 23.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.52% |
| 7) Chloroethane-d5             | 2.90   | 69    | 127613   | 22.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.72% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 308878   | 21.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 87.24% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 70921    | 38.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.10% |
| 24) Chloroform-d               | 7.65   | 84    | 289901   | 20.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.20% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 159710   | 20.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.48% |
| 29) Benzene-d6                 | 8.28   | 84    | 585424   | 21.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.08% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 174196   | 21.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.44% |
| 37) Toluene-d8                 | 10.33  | 98    | 532742   | 21.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.48% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 73607    | 20.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.72% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 57176    | 41.61    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.22% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 127099   | 20.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.16% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 174715   | 22.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.40% |

## Target Compounds

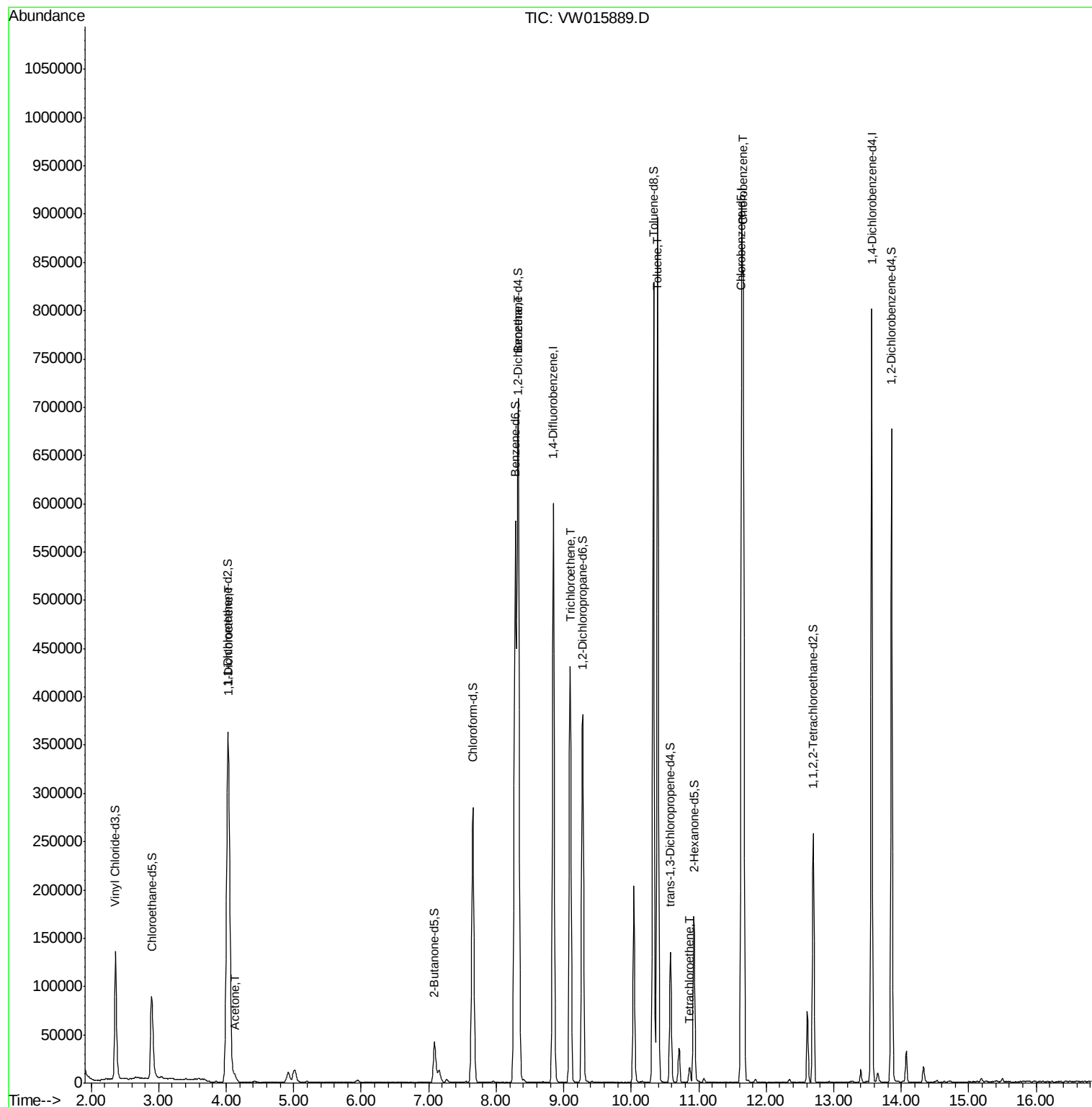
|                        |       |     |        |        | Ovalue   |
|------------------------|-------|-----|--------|--------|----------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 131011 | 20.534 | ug/L 90  |
| 13) Acetone            | 4.14  | 43  | 9491   | 6.143  | ug/L 95  |
| 34) Benzene            | 8.33  | 78  | 598338 | 21.786 | ug/L 100 |
| 35) Trichloroethene    | 9.10  | 95  | 154678 | 21.290 | ug/L 98  |
| 44) Toluene            | 10.39 | 91  | 653497 | 22.687 | ug/L 99  |
| 47) Tetrachloroethene  | 10.87 | 164 | 3520   | 0.624  | ug/L 96  |
| 52) Chlorobenzene      | 11.66 | 112 | 401124 | 21.732 | ug/L 99  |

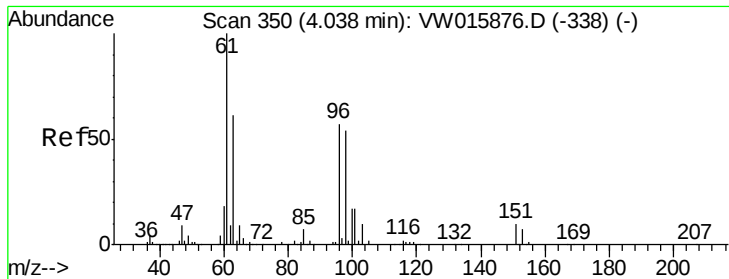
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Jul 22 06:22:59 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.534 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015889.D

Acq: 21 Jul 2020 16:08

Instrument :

MSVOA\_W

ClientSampled :

GAXZ8MS

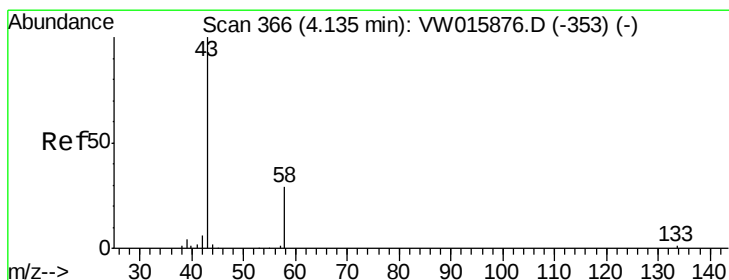
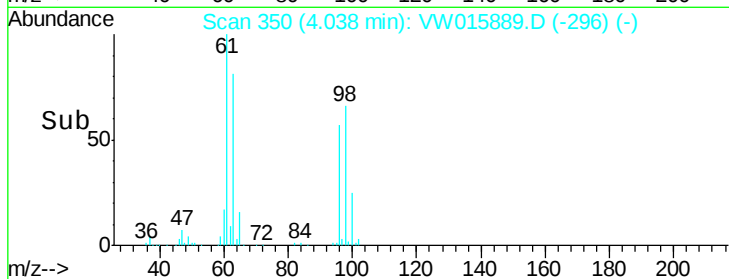
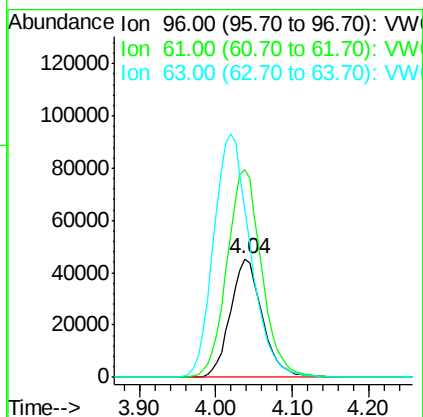
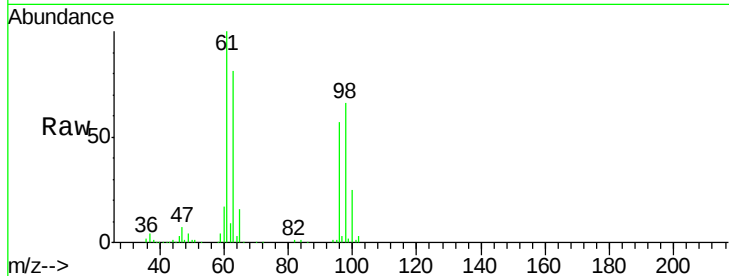
Tot Ion: 96 Resp: 131011

Ion Ratio Lower Upper

96 100

61 176.0 125.0 232.2

63 142.3 82.3 152.8



#13

Acetone

Concen: 6.143 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW015889.D

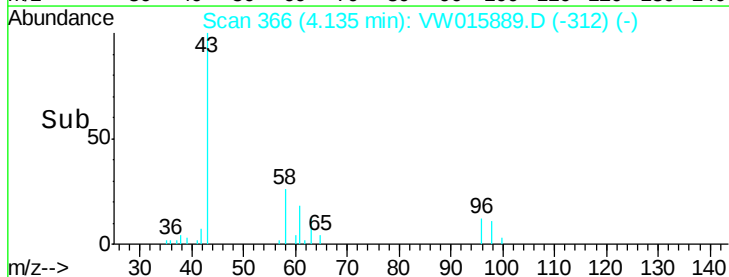
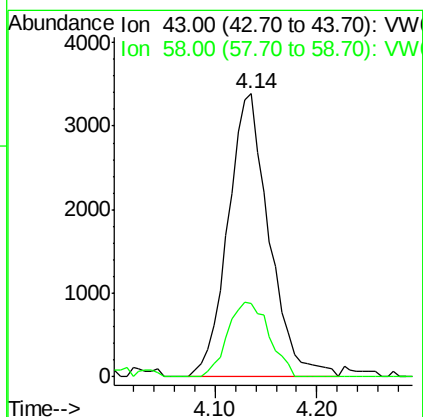
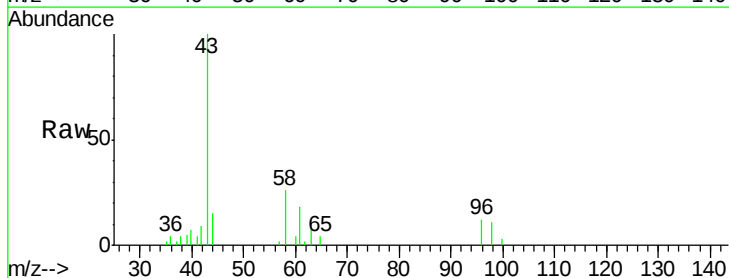
Acq: 21 Jul 2020 16:08

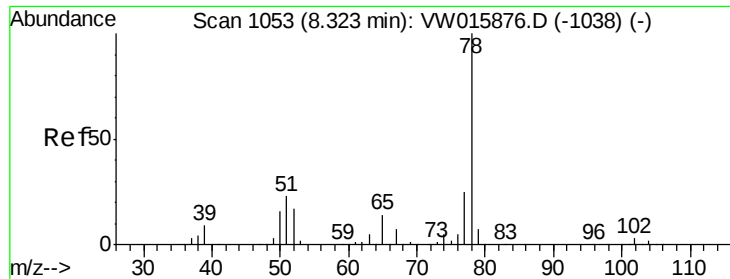
Tgt Ion: 43 Resp: 9491

Ion Ratio Lower Upper

43 100

58 26.5 0.0 58.2





#34

Benzene

Concen: 21.786 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015889.D

Acq: 21 Jul 2020 16:08

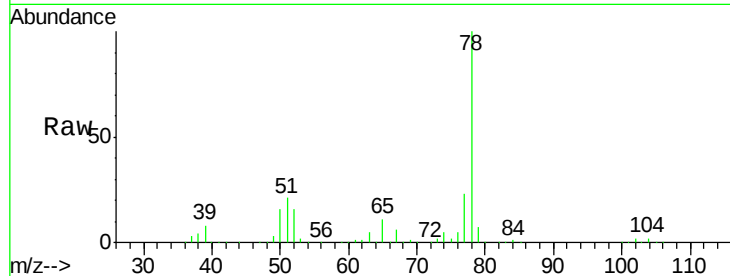
Instrument :

MSVOA\_W

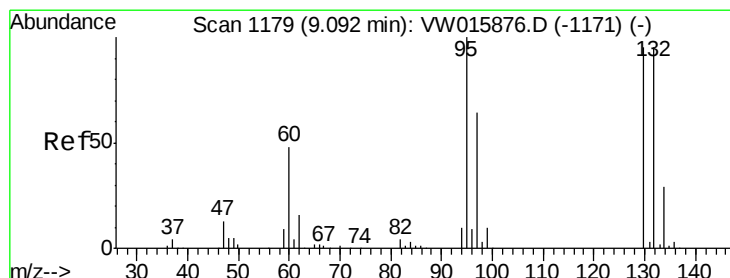
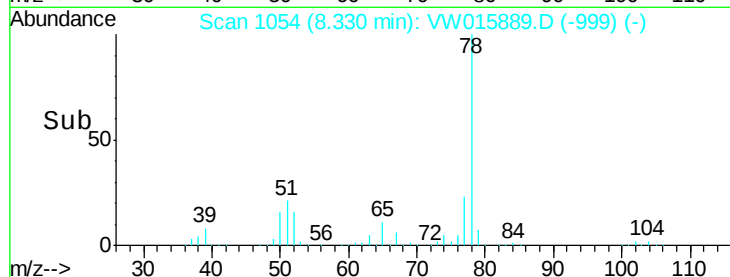
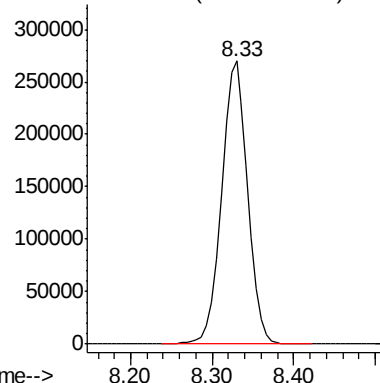
ClientSampleId :

GAXZ8MS

Tgt Ion: 78 Resp: 598338



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 21.290 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015889.D

Acq: 21 Jul 2020 16:08

Tgt Ion: 95 Resp: 154678

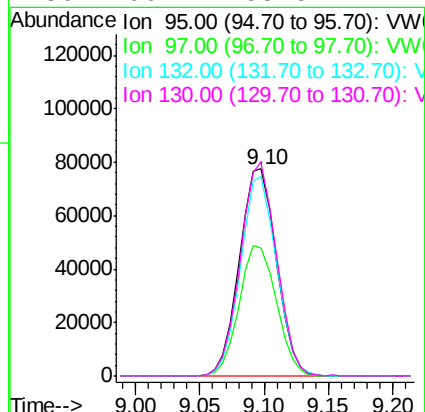
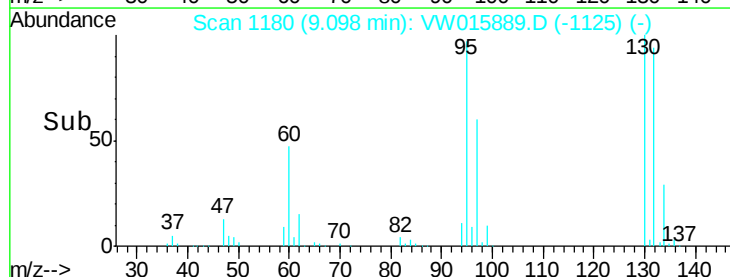
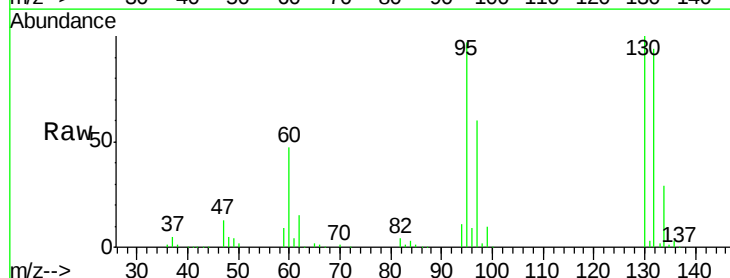
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.5  | 44.4  | 82.4  |
| 132 | 94.3  | 65.1  | 120.9 |
| 130 | 100.7 | 68.6  | 127.4 |

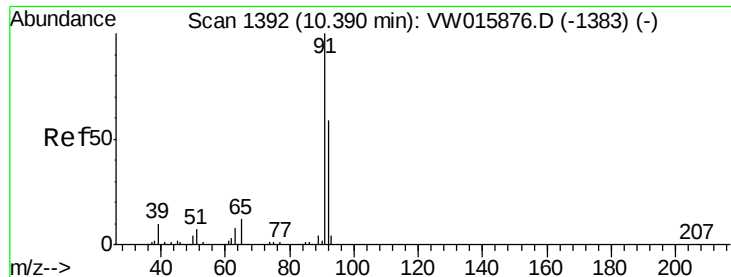
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#44

Toluene

Concen: 22.687 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015889.D

Acq: 21 Jul 2020 16:08

Instrument :

MSVOA\_W

ClientSampleId :

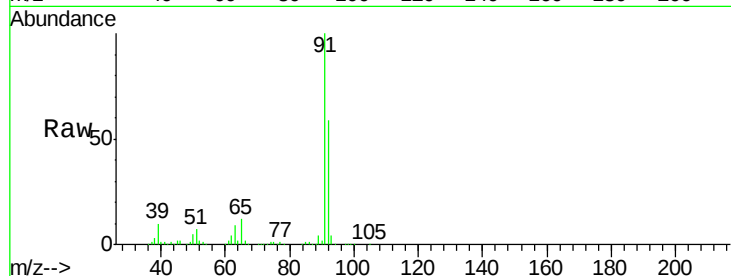
GAXZ8MS

Tot Ion: 91 Resp: 653497

Ion Ratio Lower Upper

91 100

92 59.4 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

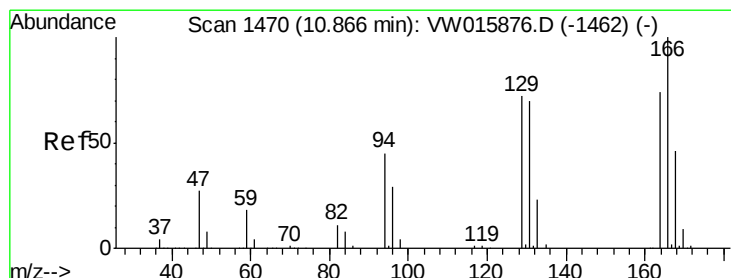
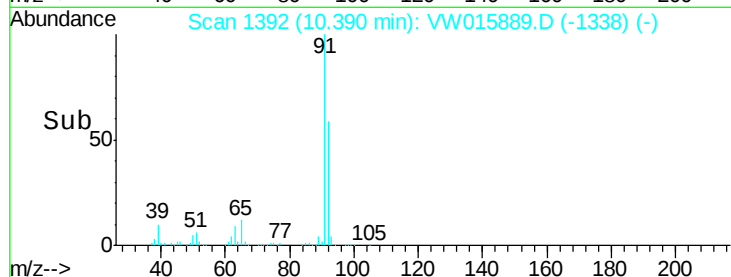
300000

200000

100000

0

Time--> 10.30 10.40



#47

Tetrachloroethene

Concen: 0.624 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015889.D

Acq: 21 Jul 2020 16:08

Tgt Ion: 164 Resp: 3520

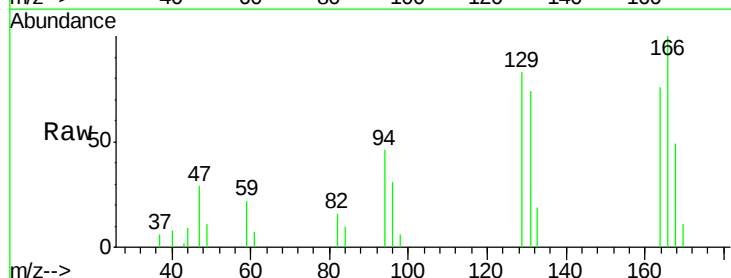
Ion Ratio Lower Upper

164 100

129 108.2 70.0 130.0

131 96.3 67.3 124.9

166 130.7 88.5 164.3



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

4000

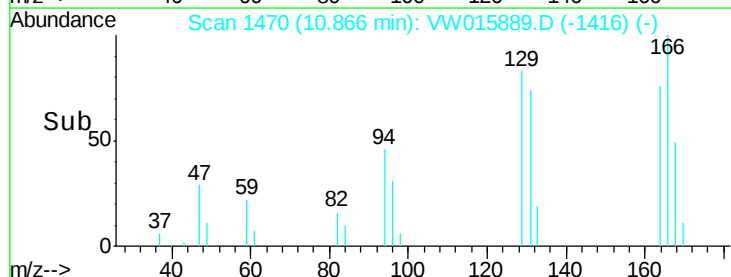
3000

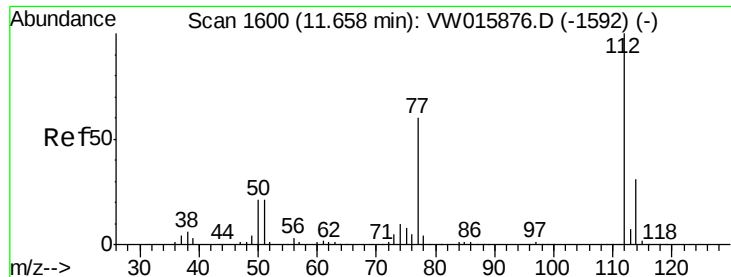
2000

1000

0

Time--> 10.80 10.85 10.90





#52  
Chlorobenzene  
Concen: 21.732 ug/L  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW015889.D  
Acq: 21 Jul 2020 16:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAXZ8MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 77      | 58.8  | 47.8  | 71.6  |
| 114     | 31.1  | 22.1  | 41.1  |

