

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\  
 Data File : VW015503.D  
 Acq On : 27 May 2020 14:47  
 Operator : SY/VA  
 Sample : L2755-05  
 Misc : 7.39G/10.0mL/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAXD1

Quant Time: May 28 01:52:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 28 01:49:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 350528   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 318483   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138082   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 88333    | 27.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.00% |
| 7) Chloroethane-d5             | 2.90   | 69    | 84134    | 26.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.36% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 134361   | 17.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.68%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 50902    | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.08%  |
| 24) Chloroform-d               | 7.65   | 84    | 191866   | 23.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 111514   | 24.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 387839   | 24.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.32%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 116567   | 24.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 361019   | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48160    | 21.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.72%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43596    | 53.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.10% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 86045    | 24.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 112525   | 24.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.28%  |

## Target Compounds

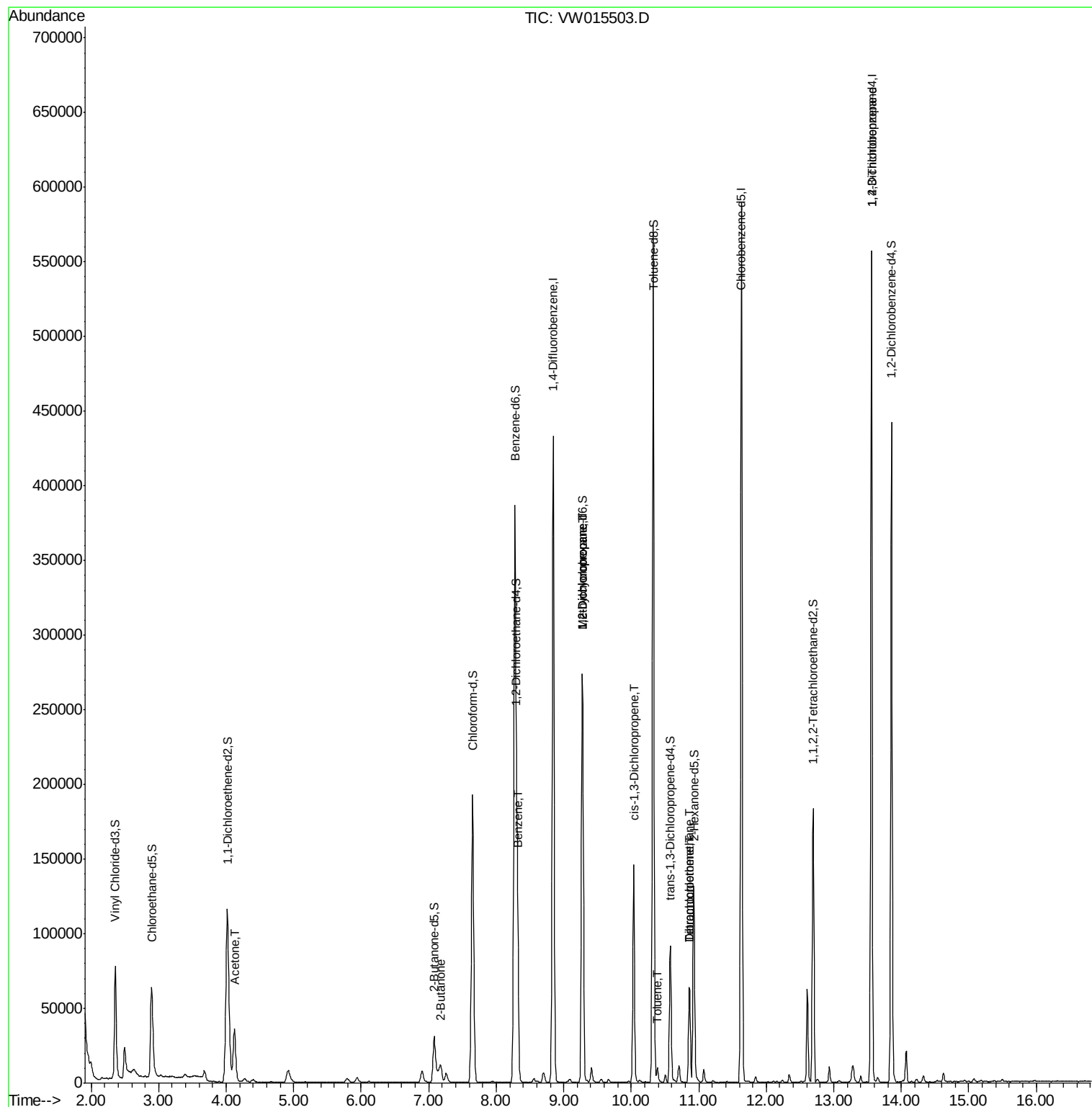
|                             |       |     |       |        | Ovalue    |
|-----------------------------|-------|-----|-------|--------|-----------|
| 13) Acetone                 | 4.12  | 43  | 61530 | 75.892 | ug/L 100  |
| 21) 2-Butanone              | 7.18  | 43  | 15788 | 12.676 | ug/L 98   |
| 34) Benzene                 | 8.32  | 78  | 14801 | 0.831  | ug/L 100  |
| 36) Methylcyclohexane       | 9.27  | 83  | 29623 | 3.472  | ug/L # 19 |
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 14736 | 3.360  | ug/L # 85 |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 3730  | 0.531  | ug/L # 73 |
| 44) Toluene                 | 10.38 | 91  | 6730  | 0.347  | ug/L 94   |
| 47) Tetrachloroethene       | 10.87 | 164 | 14108 | 3.720  | ug/L 96   |
| 50) Dibromochloromethane    | 10.86 | 129 | 13281 | 3.562  | ug/L # 12 |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75  | 17320 | 6.430  | ug/L 89   |

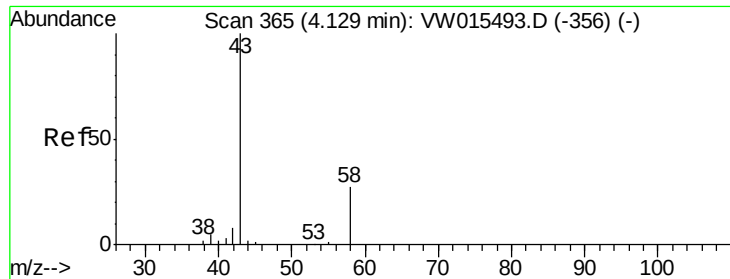
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052720\  
Data File : VW015503.D  
Acq On : 27 May 2020 14:47  
Operator : SY/VA  
Sample : L2755-05  
Misc : 7.39G/10.0mL/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAXD1

Quant Time: May 28 01:52:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 28 01:49:49 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 75.892 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

Instrument :

MSVOA\_W

ClientSampled :

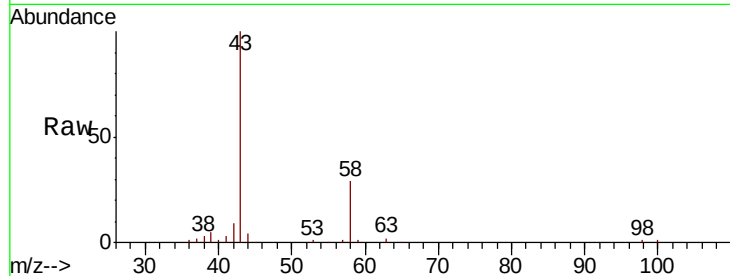
GAXD1

Tot Ion: 43 Resp: 61530

Ion Ratio Lower Upper

43 100

58 28.5 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

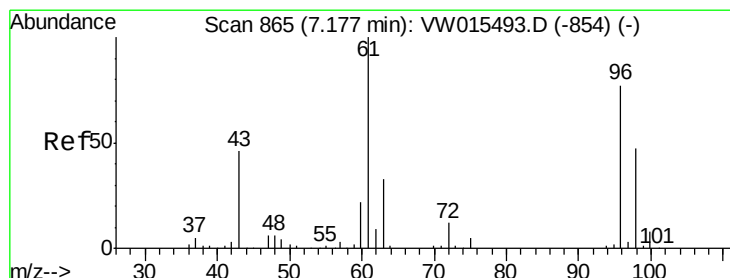
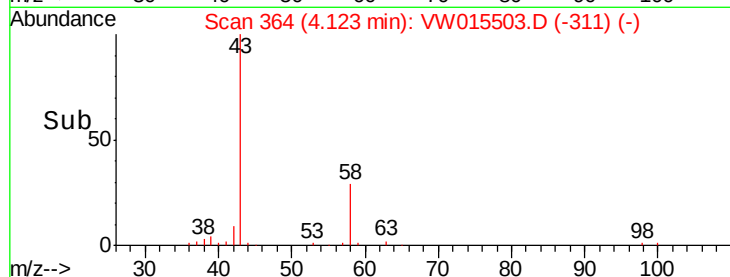
10000

5000

0

4.00 4.10 4.20

Time-->



#21

2-Butanone

Concen: 12.676 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015503.D

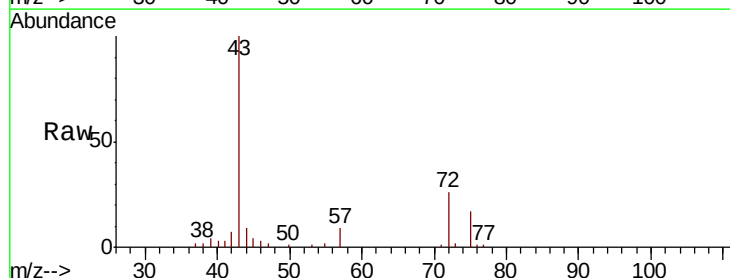
Acq: 27 May 2020 14:47

Tgt Ion: 43 Resp: 15788

Ion Ratio Lower Upper

43 100

72 25.5 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

6000

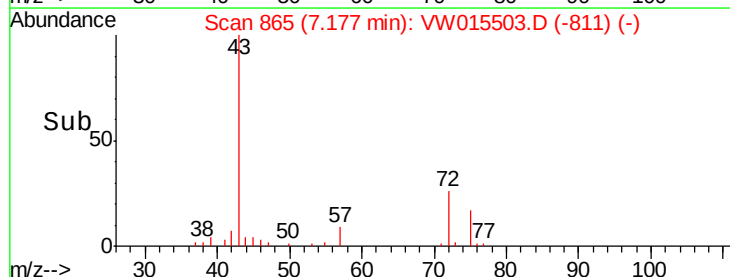
4000

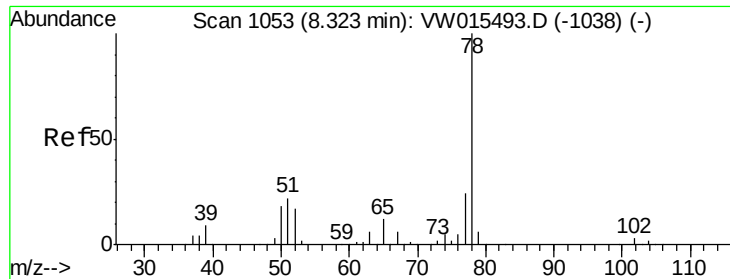
2000

0

7.10 7.15 7.20 7.25

Time-->





#34

Benzene

Concen: 0.831 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

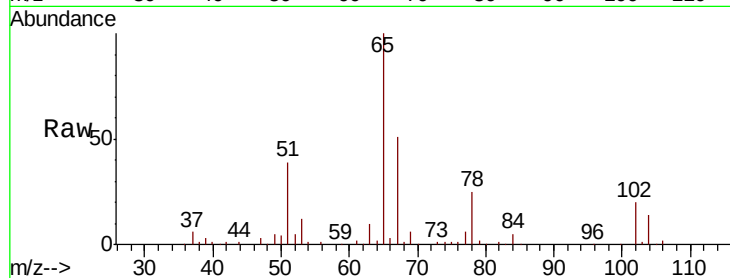
Instrument :

MSVOA\_W

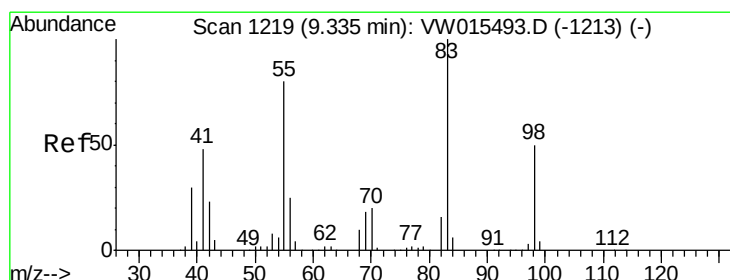
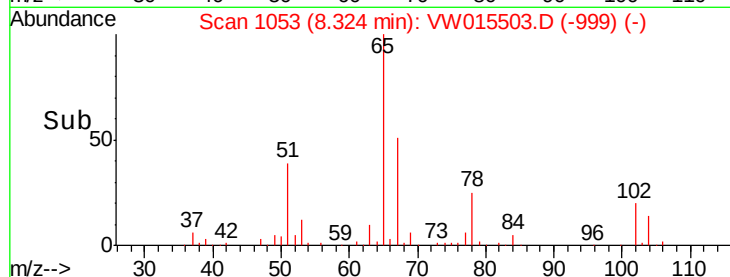
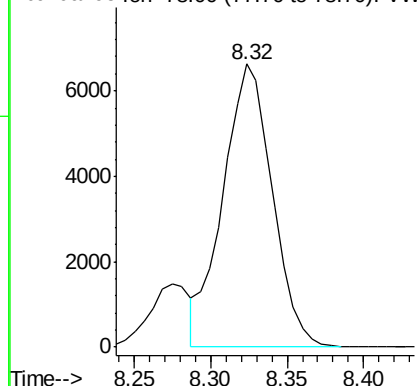
ClientSampled :

GAXD1

Tgt Ion: 78 Resp: 14801



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 3.472 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

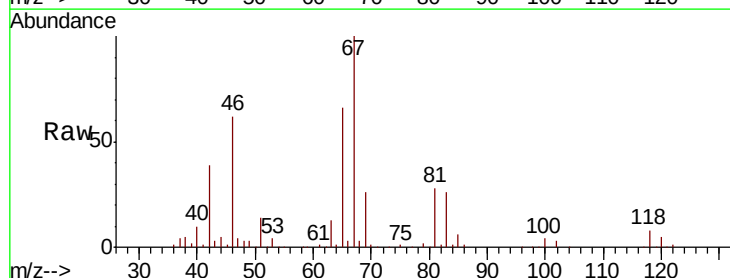
Tgt Ion: 83 Resp: 29623

Ion Ratio Lower Upper

83 100

55 1.2 62.8 94.2#

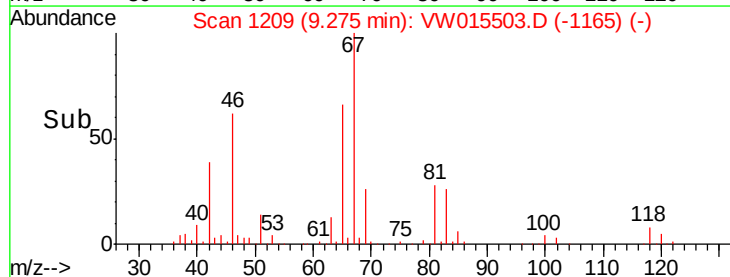
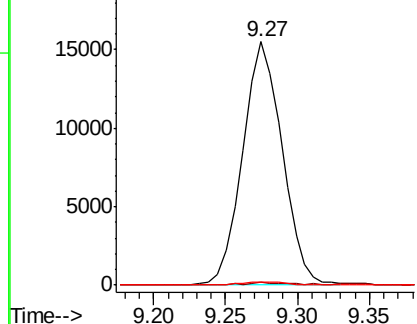
98 1.5 39.2 58.8#

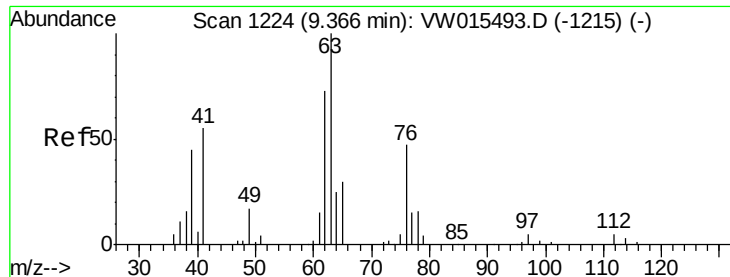


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.360 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

Instrument :

MSVOA\_W

ClientSampled :

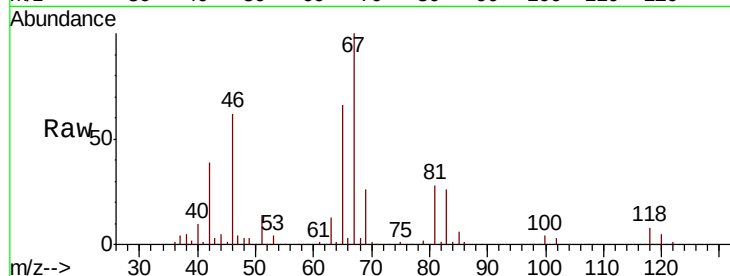
GAXD1

Tot Ion: 63 Resp: 14736

Ion Ratio Lower Upper

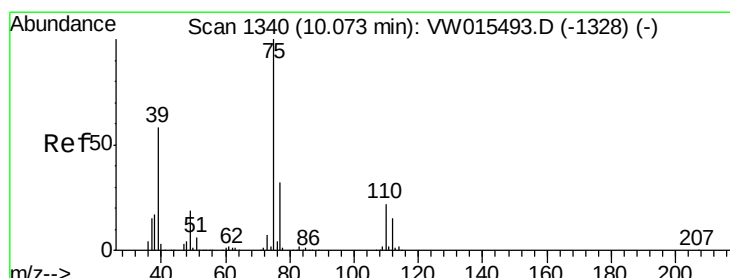
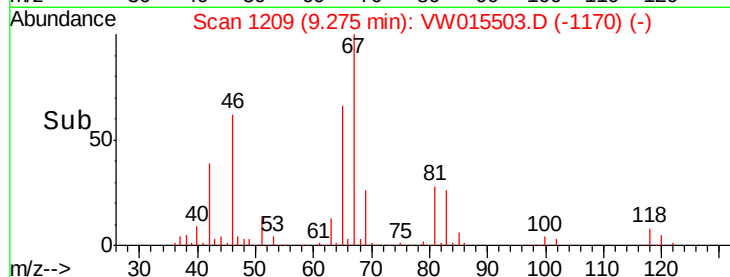
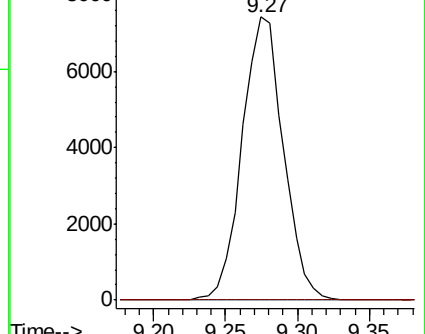
63 100

112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.531 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015503.D

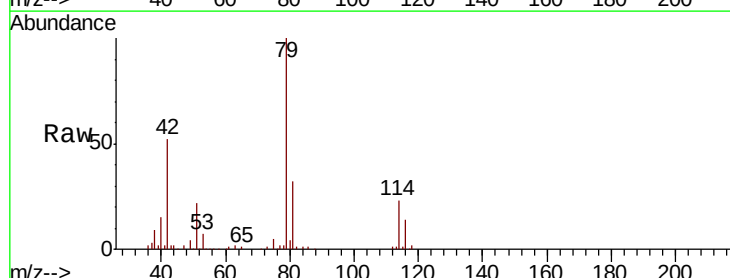
Acq: 27 May 2020 14:47

Tgt Ion: 75 Resp: 3730

Ion Ratio Lower Upper

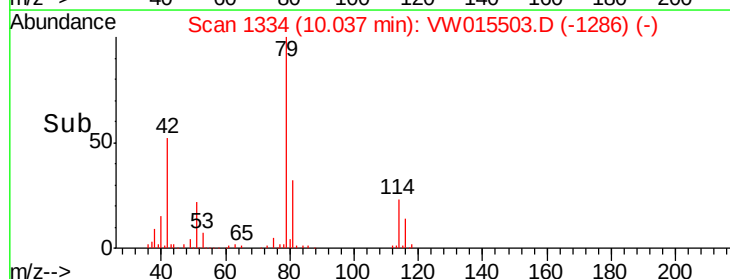
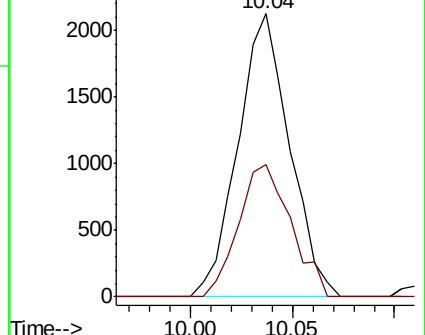
75 100

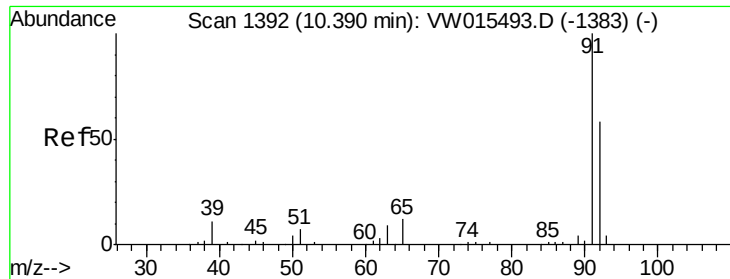
77 46.8 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.347 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

Instrument :

MSVOA\_W

ClientSampleId :

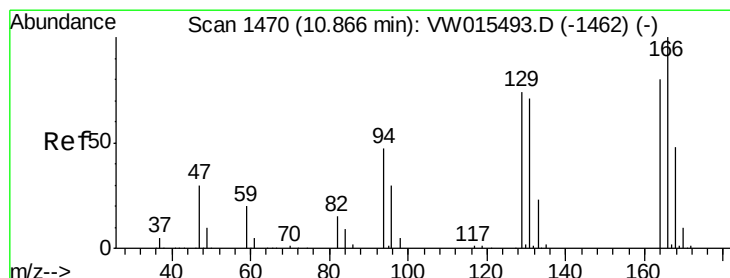
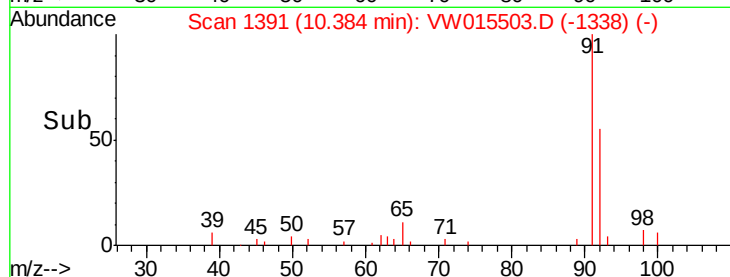
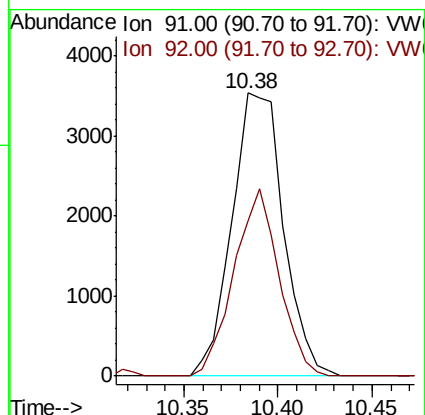
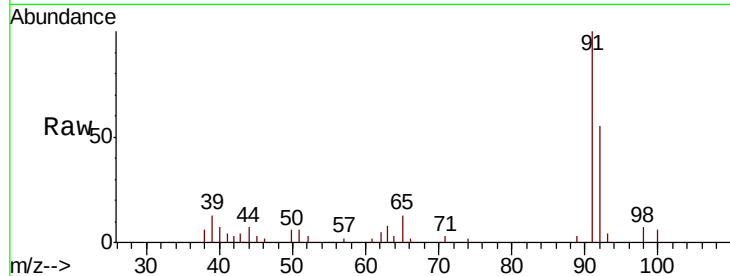
GAXD1

Tot Ion: 91 Resp: 6730

Ion Ratio Lower Upper

91 100

92 55.1 41.7 77.5



#47

Tetrachloroethene

Concen: 3.720 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

Tgt Ion: 164 Resp: 14108

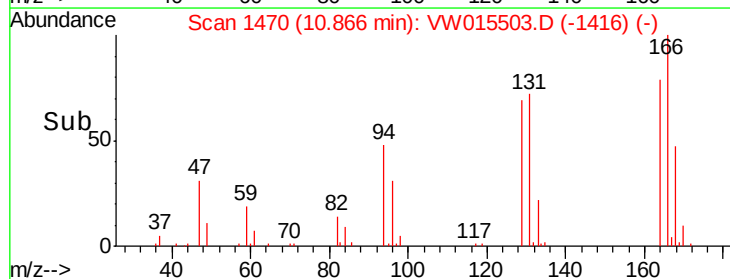
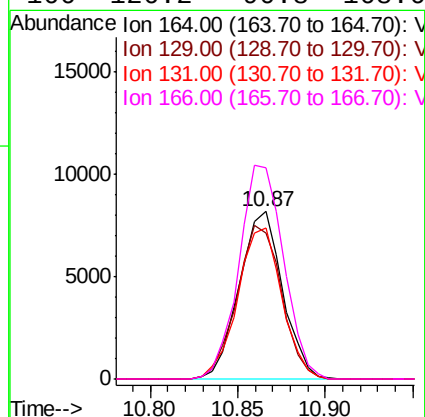
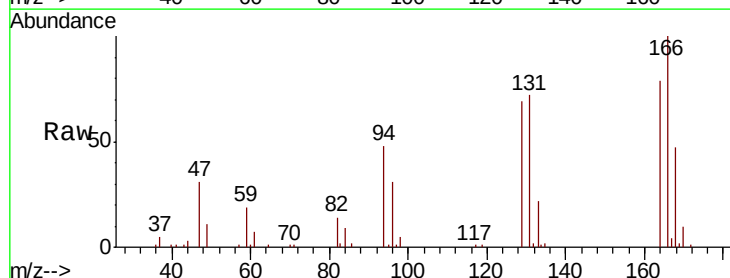
Ion Ratio Lower Upper

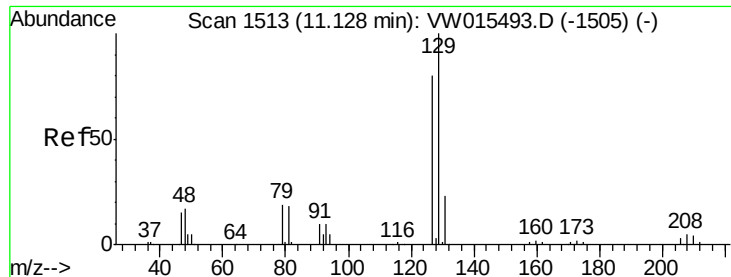
164 100

129 87.4 66.3 123.1

131 90.3 65.1 120.9

166 126.2 90.8 168.6





#50

Dibromochloromethane

Concen: 3.562 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

Instrument :

MSVOA\_W

ClientSampled :

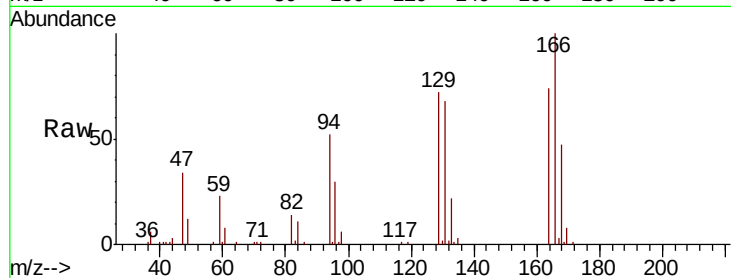
GAXD1

Tot Ion:129 Resp: 13281

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8000

6000

4000

2000

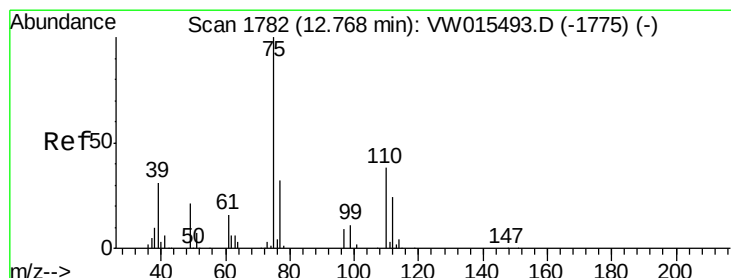
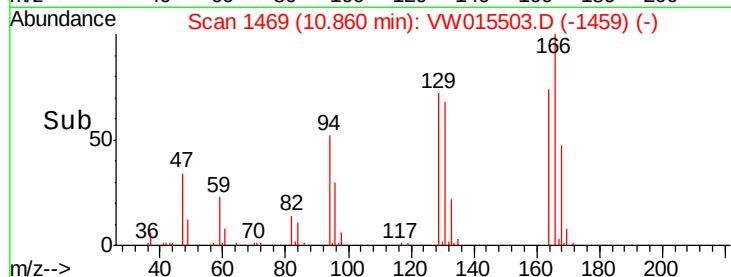
0

10.80

10.85

10.90

Time-->



#59

1,2,3-Trichloropropane

Concen: 6.430 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015503.D

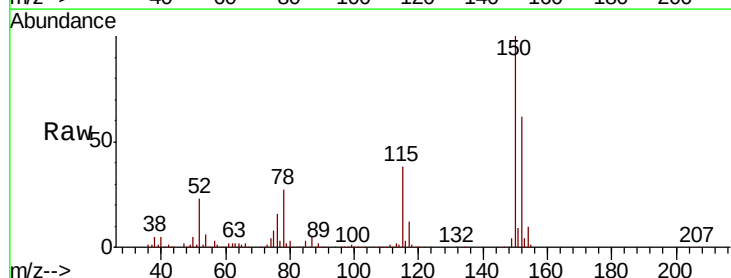
Acq: 27 May 2020 14:47

Tgt Ion: 75 Resp: 17320

Ion Ratio Lower Upper

75 100

77 38.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12000

10000

8000

6000

4000

2000

0

13.50

13.55

13.60

Time-->

