

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081220\  
 Data File : VX017859.D  
 Acq On : 12 Aug 2020 14:10  
 Operator : JC/SP  
 Sample : L3600-11MS  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GAYA5MS

Quant Time: Aug 13 01:21:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 13 01:19:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 278592   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 260644   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 125379   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 110555   | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 114.80% |
| 7) Chloroethane-d5             | 1.69   | 69    | 82496    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.00% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 206018   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 104.00% |
| 20) 2-Butanone-d5              | 4.53   | 46    | 212765   | 41.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.24%  |
| 24) Chloroform-d               | 5.14   | 84    | 169007   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 96690    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 32) Benzene-d6                 | 6.05   | 84    | 330565   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 105733   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.60%  |
| 41) Toluene-d8                 | 8.70   | 98    | 297759   | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 47576    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.40%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 163493   | 41.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 82.14%  |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 72800    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.60%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 120084   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.60%  |

## Target Compounds

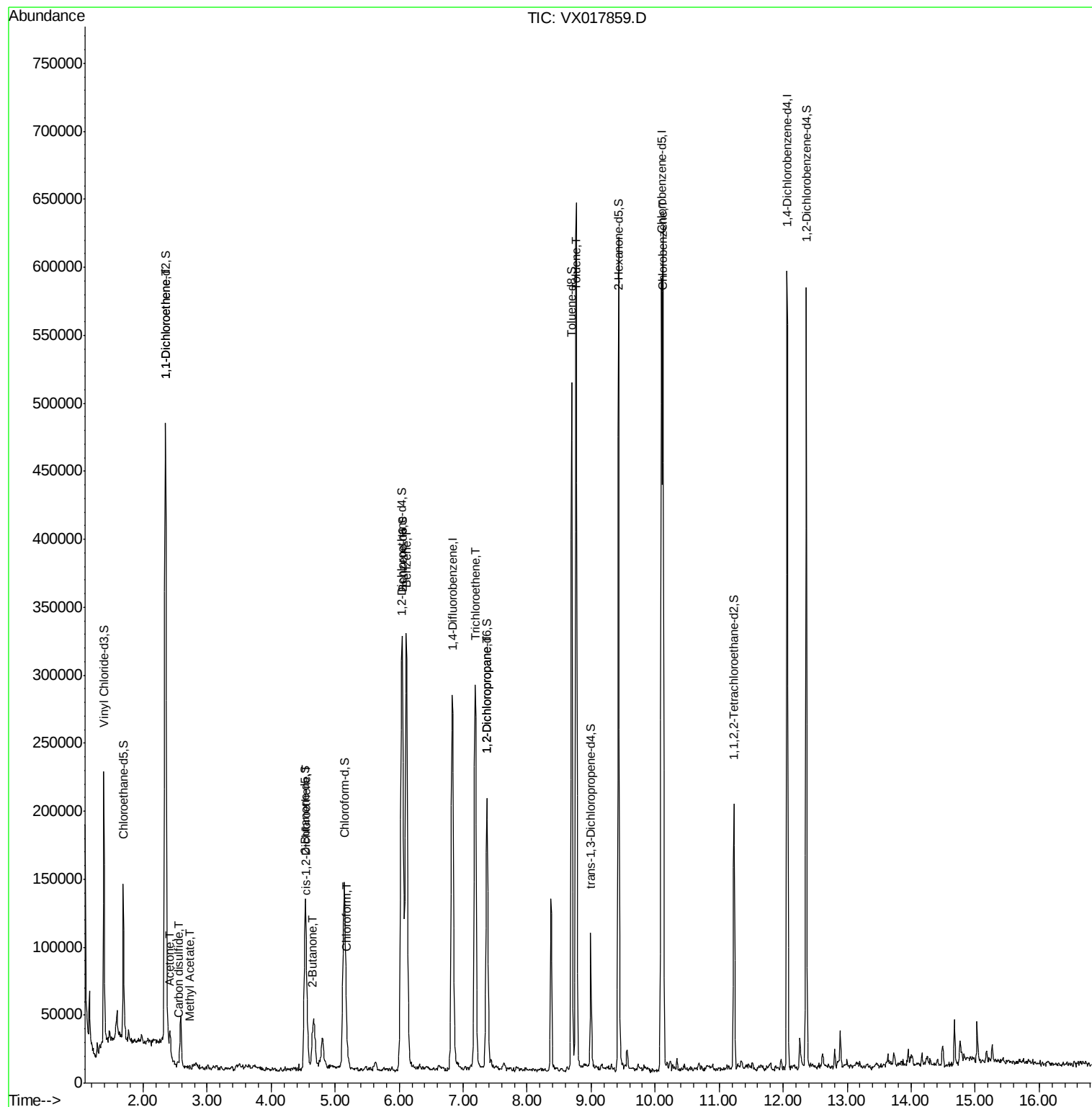
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene     | 2.36  | 96   | 95693    | 4.481 | ug/L   | 91     |
| 13) Acetone                | 2.42  | 43   | 20403    | 5.462 | ug/L   | 91     |
| 14) Carbon disulfide       | 2.54  | 76   | 3987     | 0.052 | ug/L # | 82     |
| 15) Methyl Acetate         | 2.74  | 43   | 870      | 0.079 | ug/L   | 92     |
| 21) 2-Butanone             | 4.64  | 43   | 6393     | 0.991 | ug/L   | 87     |
| 22) cis-1,2-Dichloroethene | 4.56  | 96   | 1050     | 0.041 | ug/L # | 54     |
| 25) Chloroform             | 5.18  | 83   | 19962    | 0.429 | ug/L   | 89     |
| 33) Benzene                | 6.11  | 78   | 378556   | 4.103 | ug/L   | 100    |
| 34) Trichloroethene        | 7.19  | 95   | 110442   | 4.100 | ug/L   | 96     |
| 37) 1,2-Dichloropropane    | 7.37  | 63   | 12916    | 0.557 | ug/L # | 90     |
| 42) Toluene                | 8.77  | 91   | 405871   | 4.052 | ug/L   | 98     |
| 53) Chlorobenzene          | 10.12 | 112  | 263456   | 4.041 | ug/L   | 97     |

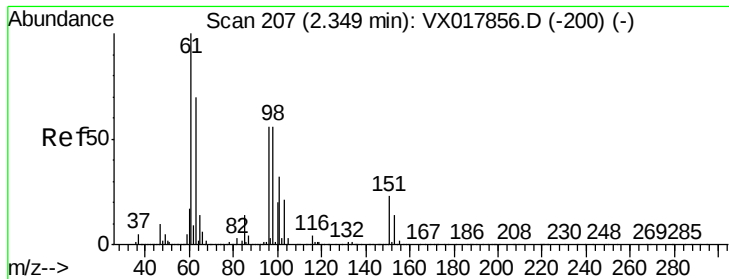
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081220\  
Data File : VX017859.D  
Acq On : 12 Aug 2020 14:10  
Operator : JC/SP  
Sample : L3600-11MS  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GAYA5MS

Quant Time: Aug 13 01:21:24 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 13 01:19:50 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.481 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.01 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

Instrument :

MSVOA\_X

ClientSampleId :

GAYA5MS

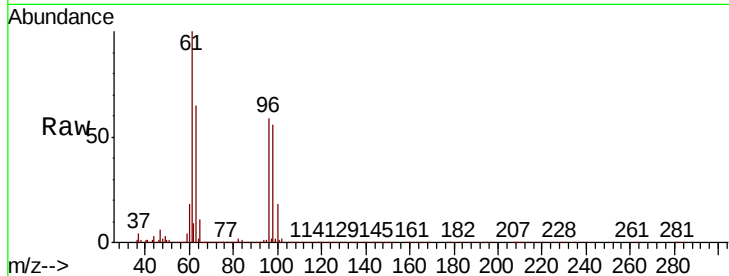
Tot Ion: 96 Resp: 95693

Ion Ratio Lower Upper

96 100

61 170.2 123.5 229.3

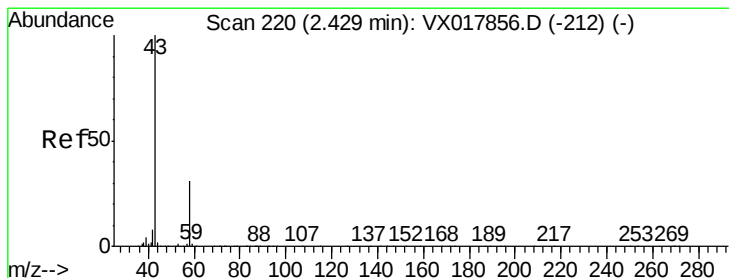
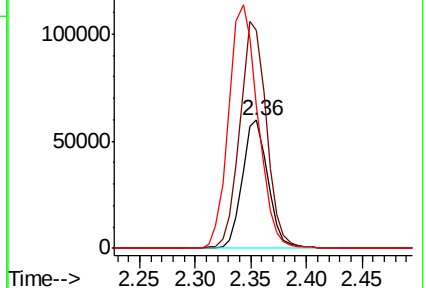
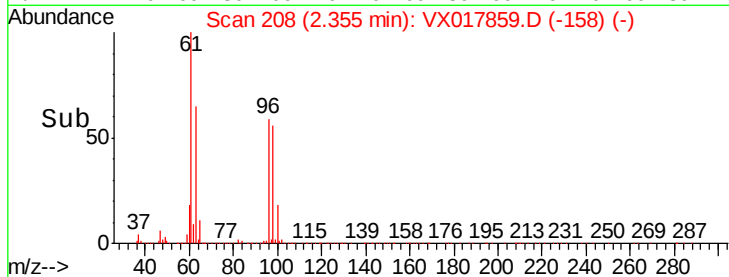
63 111.4 67.0 124.4



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#13

Acetone

Concen: 5.462 ug/L

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017859.D

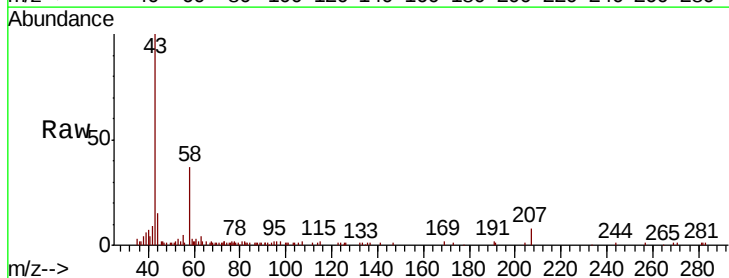
Acq: 12 Aug 2020 14:10

Tgt Ion: 43 Resp: 20403

Ion Ratio Lower Upper

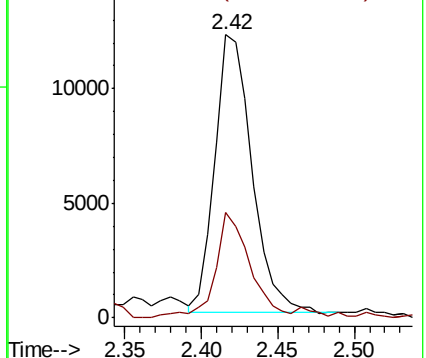
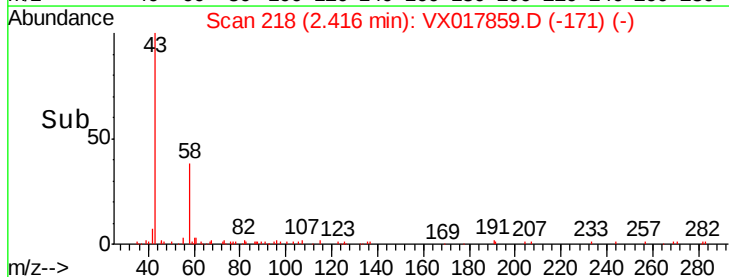
43 100

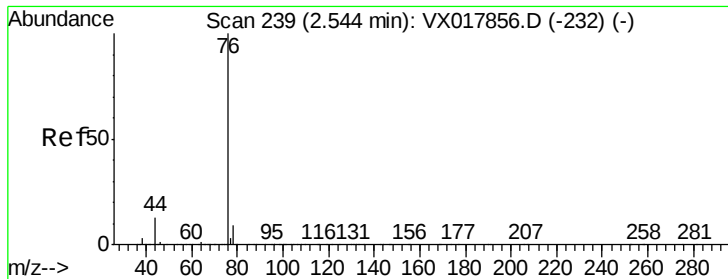
58 35.2 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.052 ug/L

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

Instrument :

MSVOA\_X

ClientSampleId :

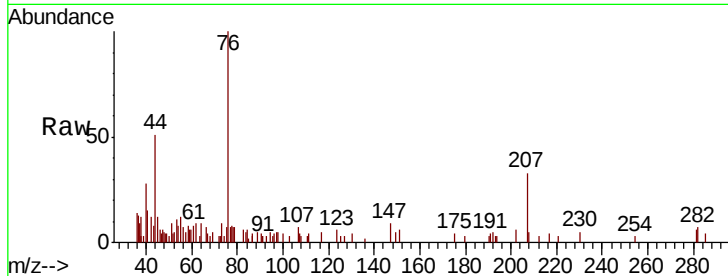
GAYA5MS

Tot Ion: 76 Resp: 3987

Ion Ratio Lower Upper

76 100

78 15.0 7.0 10.4#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2500

2000

1500

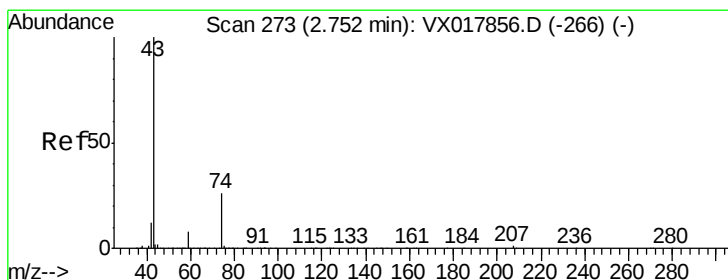
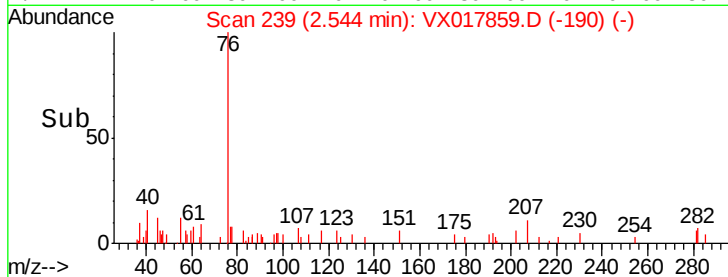
1000

500

0

2.45 2.50 2.55 2.60

Time-->



#15

Methyl Acetate

Concen: 0.079 ug/L

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX017859.D

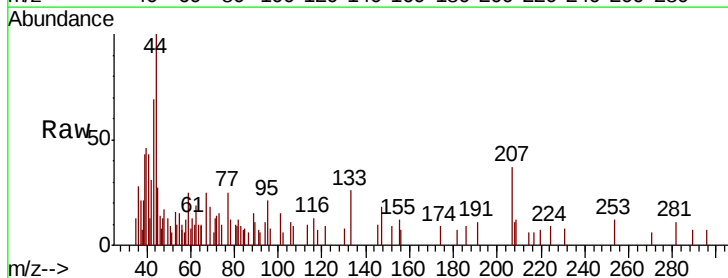
Acq: 12 Aug 2020 14:10

Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

74 21.4 20.4 30.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

600

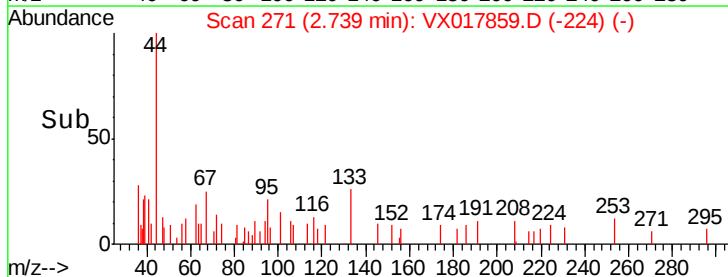
400

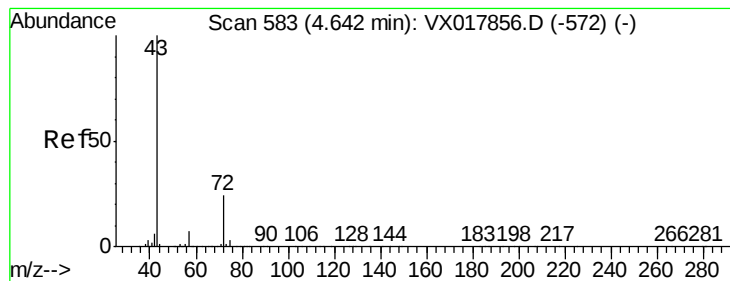
200

0

2.72 2.74 2.76

Time-->





#21

2-Butanone

Concen: 0.991 ug/L

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

Instrument :

MSVOA\_X

ClientSampleId :

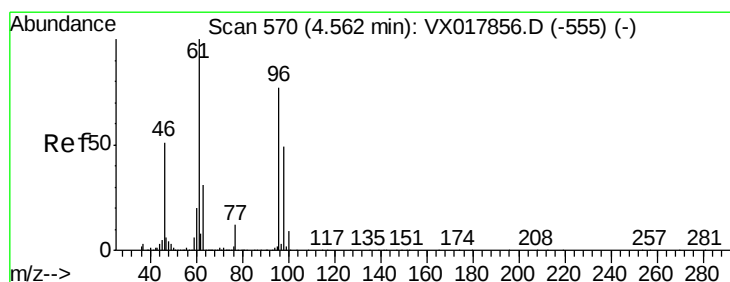
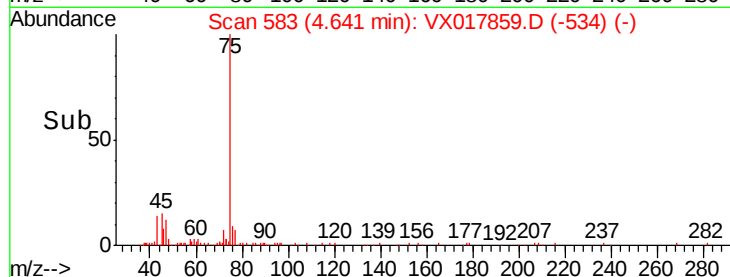
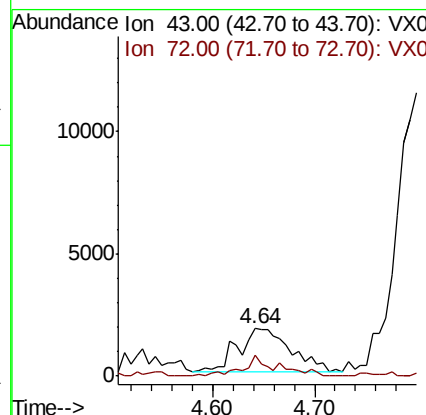
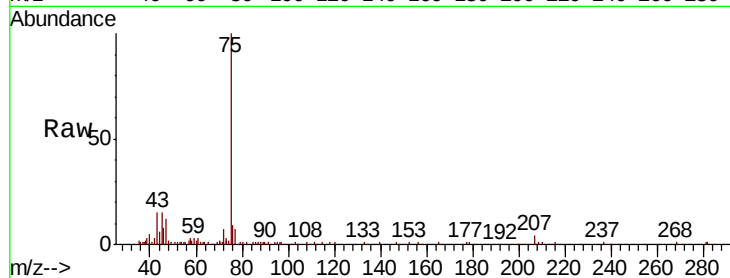
GAYA5MS

Tot Ion: 43 Resp: 6393

Ion Ratio Lower Upper

43 100

72 19.8 13.2 39.6



#22

cis-1,2-Dichloroethene

Concen: 0.041 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

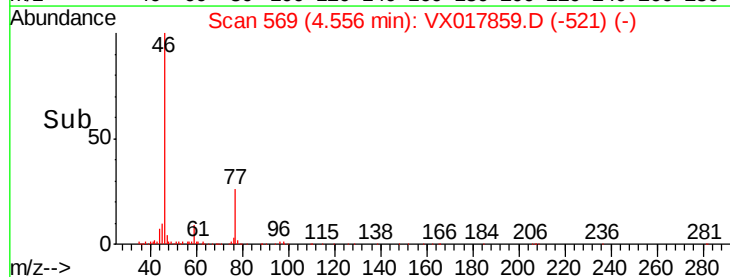
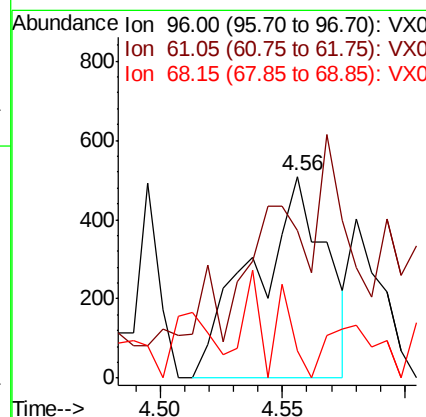
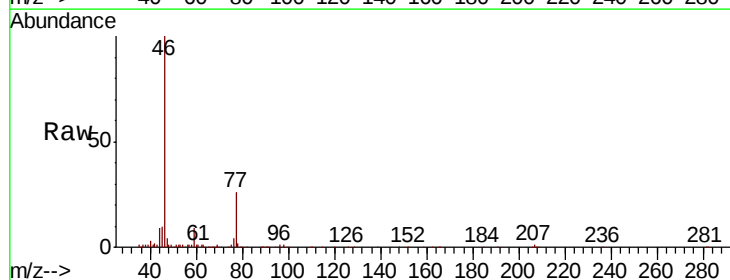
Tgt Ion: 96 Resp: 1050

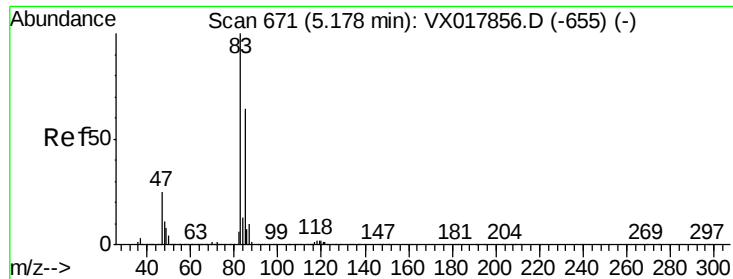
Ion Ratio Lower Upper

96 100

61 73.5 88.8 165.0#

68 13.4 0.2 0.4#

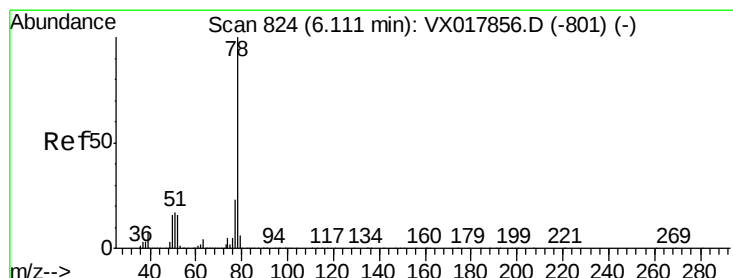
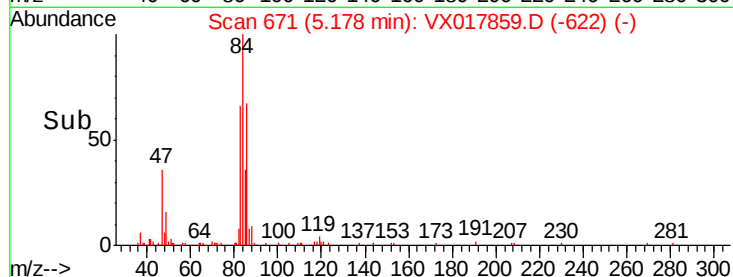
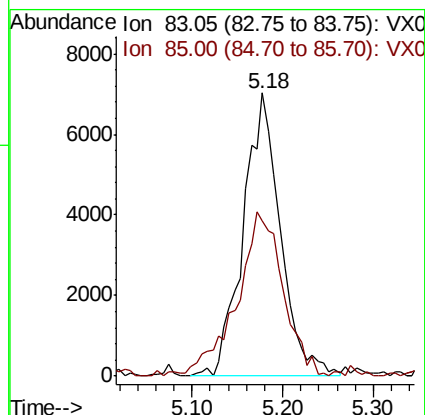
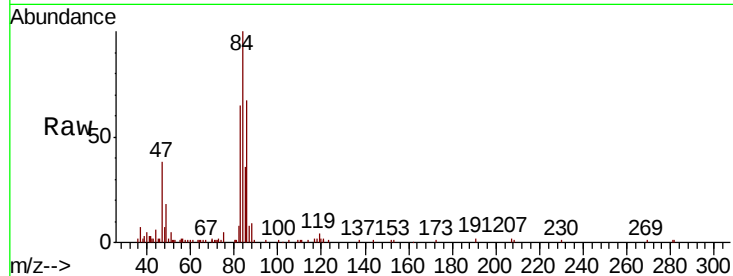




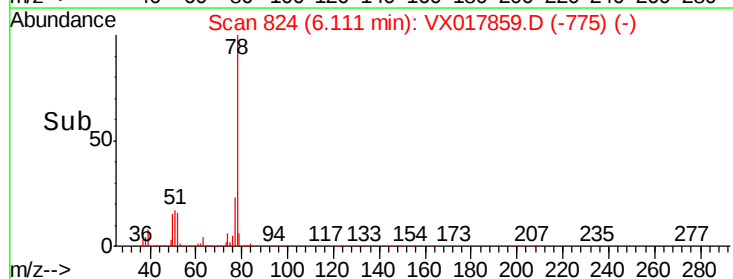
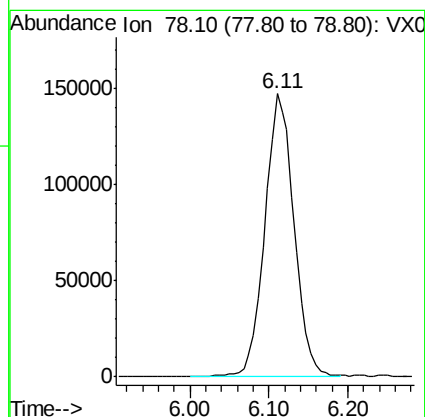
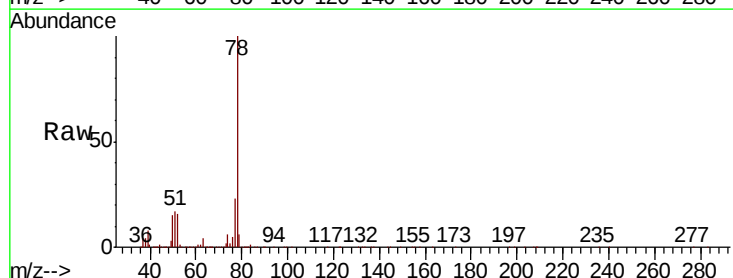
#25  
Chloroform  
Concen: 0.429 ug/L  
RT: 5.18 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VX017859.D  
Acq: 12 Aug 2020 14:10

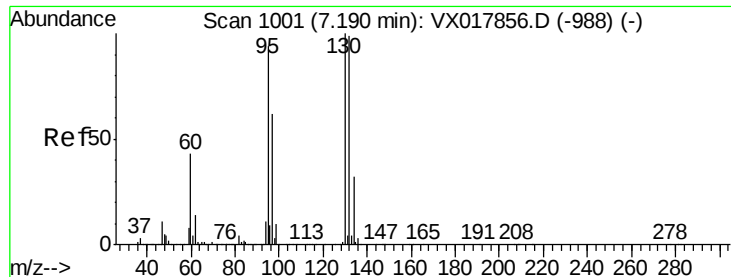
Instrument :  
MSVOA\_X  
ClientSampleId :  
GAYA5MS

Tot Ion: 83 Resp: 19962  
Ion Ratio Lower Upper  
83 100  
85 55.0 44.7 83.1



#33  
Benzene  
Concen: 4.103 ug/L  
RT: 6.11 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: VX017859.D  
Acq: 12 Aug 2020 14:10  
Tgt Ion: 78 Resp: 378556





#34

Trichloroethene

Concen: 4.100 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

Instrument :

MSVOA\_X

ClientSampleId :

GAYA5MS

Tot Ion: 95 Resp: 110442

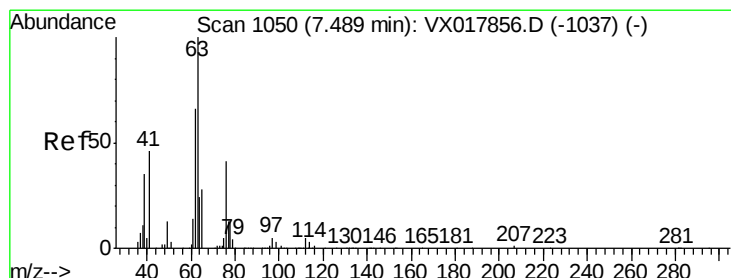
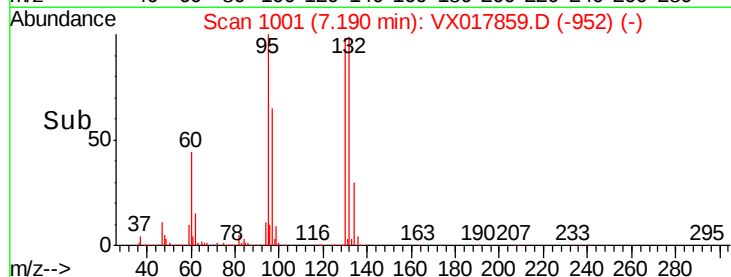
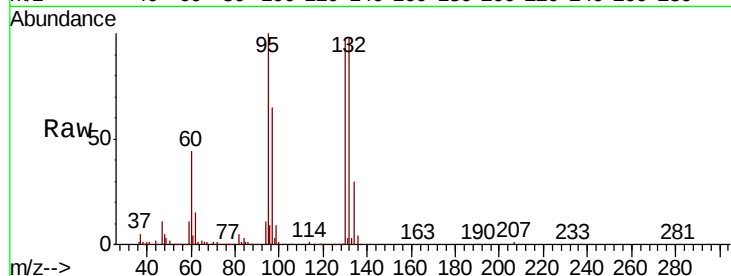
Ion Ratio Lower Upper

95 100

97 64.6 46.1 85.5

132 98.4 66.0 122.6

130 97.2 71.7 133.1



#37

1,2-Dichloropropane

Concen: 0.557 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX017859.D

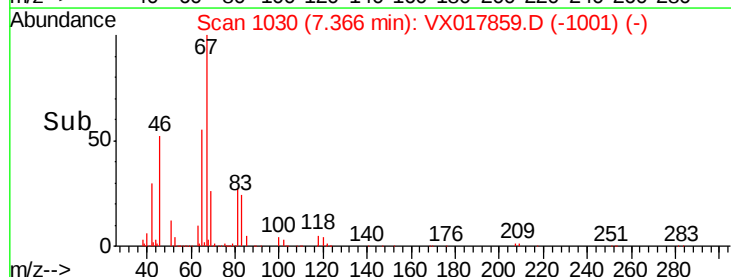
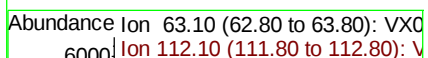
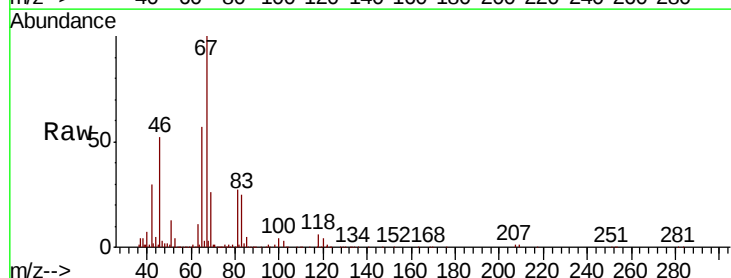
Acq: 12 Aug 2020 14:10

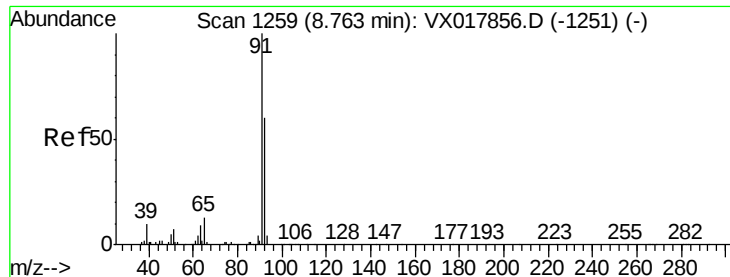
Tgt Ion: 63 Resp: 12916

Ion Ratio Lower Upper

63 100

112 1.2 3.6 5.4#





#42

Toluene

Concen: 4.052 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

Instrument :

MSVOA\_X

ClientSampleId :

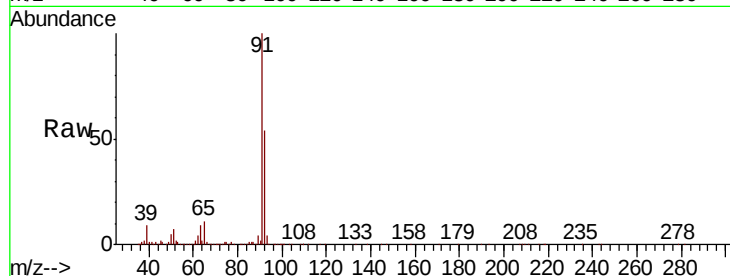
GAYA5MS

Tot Ion: 91 Resp: 405871

Ion Ratio Lower Upper

91 100

92 54.3 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.77

300000

250000

200000

150000

100000

50000

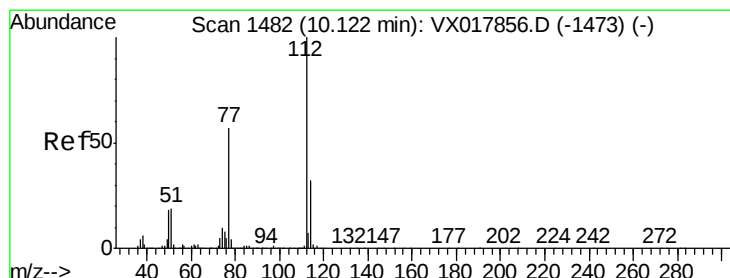
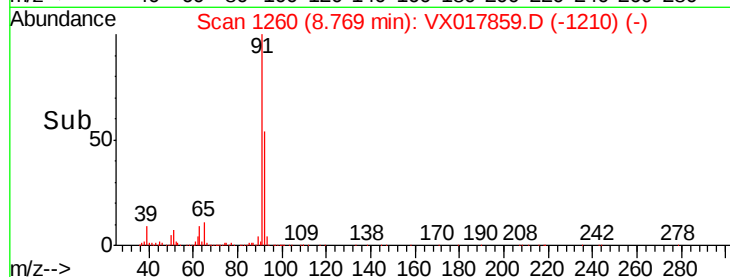
0

Time-->

8.70

8.80

8.90



#53

Chlorobenzene

Concen: 4.041 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 12 Aug 2020 14:10

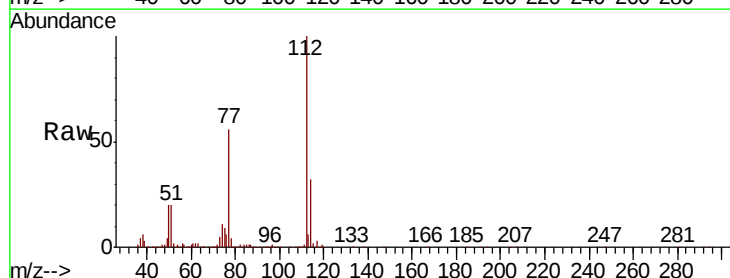
Tgt Ion: 112 Resp: 263456

Ion Ratio Lower Upper

112 100

114 31.8 23.5 43.7

77 56.3 46.7 70.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0

250000

200000

150000

100000

50000

0

Time-->

10.00

10.10

10.20

