

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042720\  
 Data File : VW015355.D  
 Acq On : 27 Apr 2020 15:52  
 Operator : SY/VA  
 Sample : L2321-06  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 28 06:13:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 28 06:11:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 328802   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 306232   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 161360   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 76524    | 21.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.60% |
| 7) Chloroethane-d5             | 2.88   | 69    | 72827    | 22.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.44% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 127563   | 18.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.68% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 33123    | 42.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.70% |
| 24) Chloroform-d               | 7.65   | 84    | 125179   | 21.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 84.36% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 81333    | 21.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 309000   | 22.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.44% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 85293    | 22.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.68% |
| 37) Toluene-d8                 | 10.32  | 98    | 327144   | 22.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.48% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 42811    | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.72% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 29836    | 41.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.58% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 69655    | 21.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 127872   | 22.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.92% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc    | Units  | Ovalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 2.00 | 85   | 66467    | 14.375  | ug/L   | 98     |
| 5) Vinyl chloride            | 2.35 | 62   | 59298    | 12.912  | ug/L   | 98     |
| 8) Chloroethane              | 2.92 | 64   | 54269    | 18.528  | ug/L   | 99     |
| 12) 1,1-Dichloroethene       | 4.04 | 96   | 43021    | 11.106  | ug/L # | 62     |
| 13) Acetone                  | 4.12 | 43   | 96454    | 138.028 | ug/L   | 99     |
| 14) Carbon disulfide         | 4.38 | 76   | 250522   | 20.838  | ug/L   | 99     |
| 16) Methylene chloride       | 4.92 | 84   | 129305   | 30.327  | ug/L   | 97     |
| 18) trans-1,2-Dichloroethene | 5.43 | 96   | 113542   | 26.221  | ug/L   | 96     |
| 19) 1,1-Dichloroethane       | 6.22 | 63   | 69116    | 10.414  | ug/L   | 98     |
| 21) 2-Butanone               | 7.14 | 43   | 3294     | 3.398   | ug/L # | 58     |
| 22) cis-1,2-Dichloroethene   | 7.17 | 96   | 142202   | 31.333  | ug/L   | 99     |
| 23) Bromochloromethane       | 7.51 | 128  | 76662    | 36.416  | ug/L   | 98     |
| 25) Chloroform               | 7.68 | 83   | 119377   | 13.652  | ug/L   | 99     |
| 31) 1,1,1-Trichloroethane    | 7.87 | 97   | 290726   | 40.756  | ug/L   | 99     |
| 32) Carbon tetrachloride     | 8.07 | 117  | 98666    | 15.484  | ug/L   | 98     |
| 35) Trichloroethene          | 9.09 | 95   | 141024   | 31.709  | ug/L   | 99     |
| 40) 1,2-Dichloropropane      | 9.37 | 63   | 69587    | 19.953  | ug/L   | 100    |

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 Sample : L2321-06  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 28 06:13:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 28 06:11:18 2020  
 Response via : Initial Calibration

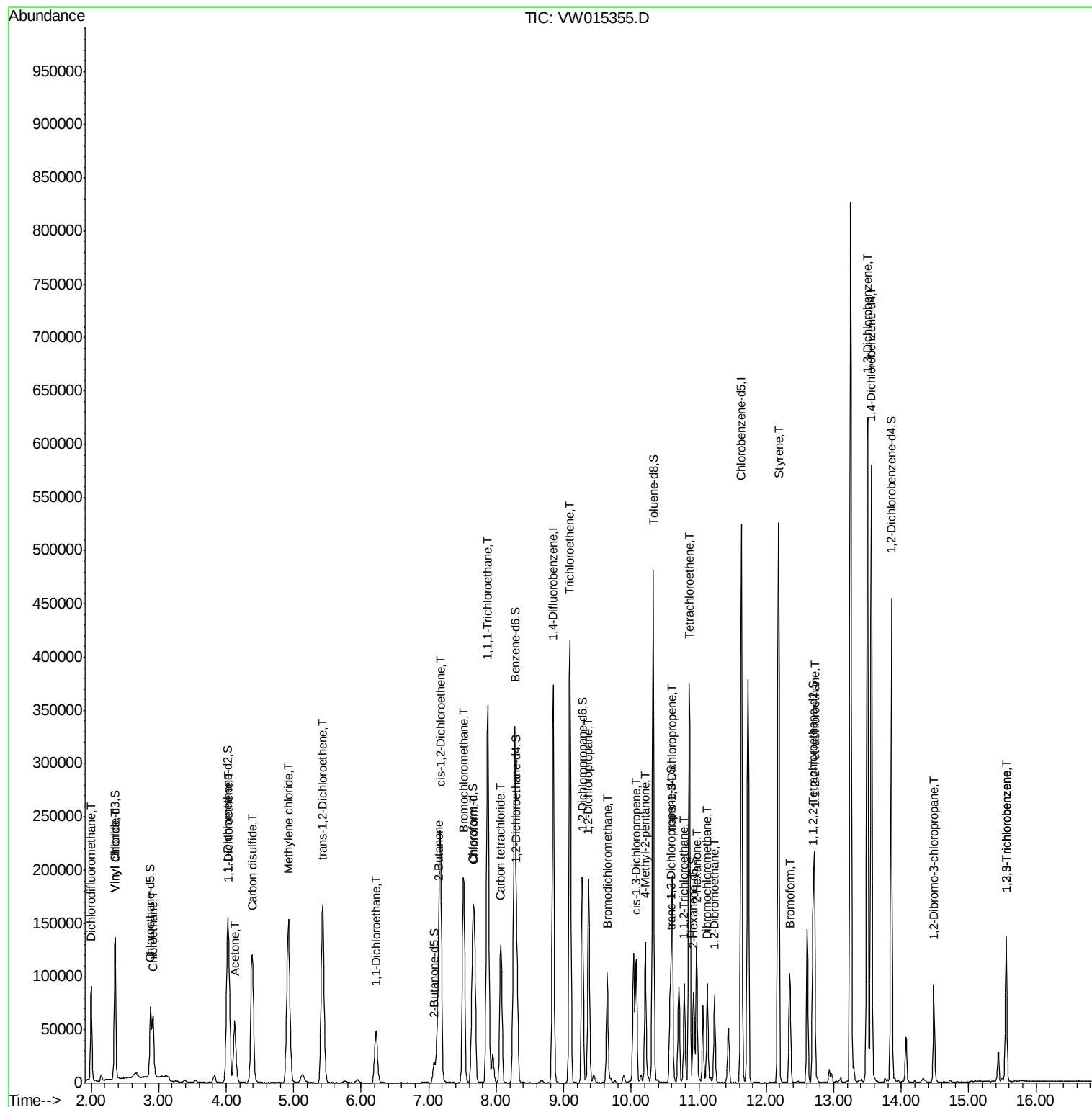
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 41) Bromodichloromethane       | 9.65  | 83   | 68143    | 12.611 | ug/L  | 97       |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75   | 69846    | 11.197 | ug/L  | 98       |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43   | 77986    | 40.593 | ug/L  | 99       |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 103506   | 18.813 | ug/L  | 99       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 29542    | 9.900  | ug/L  | 98       |
| 47) Tetrachloroethene          | 10.86 | 164  | 87197    | 20.866 | ug/L  | 97       |
| 49) 2-Hexanone                 | 10.97 | 43   | 75556    | 53.575 | ug/L  | 98       |
| 50) Dibromochloromethane       | 11.13 | 129  | 49453    | 12.433 | ug/L  | 93       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 56931    | 19.105 | ug/L  | 94       |
| 56) Styrene                    | 12.18 | 104  | 272045   | 19.552 | ug/L  | 97       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 91545    | 27.932 | ug/L  | 97       |
| 62) Bromoform                  | 12.35 | 173  | 47652    | 19.062 | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 269230   | 25.761 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75   | 22231    | 35.757 | ug/L  | 95       |
| 67) 1,3,5-Trichlorobenzene     | 15.55 | 180  | 49929    | 6.404  | ug/L  | 97       |
| 70) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 49929    | 9.336  | ug/L  | 97       |
| -----                          |       |      |          |        |       |          |

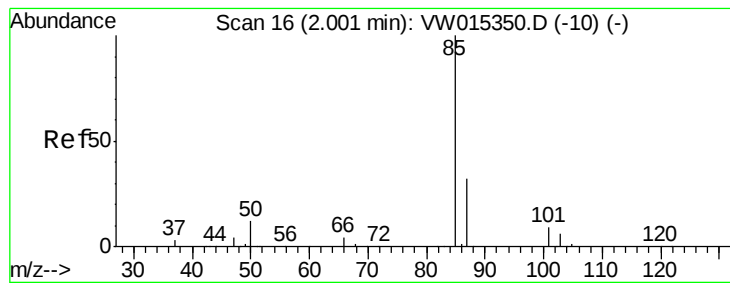
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042720\  
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Instrument :  
MSVOA\_W  
ClientSampled :

Quant Time: Apr 28 06:13:24 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042720S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 28 06:11:18 2020  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 14.375 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

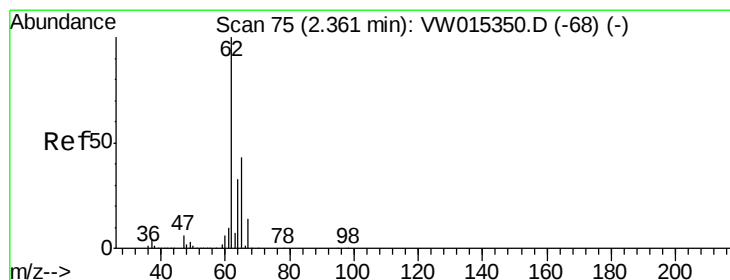
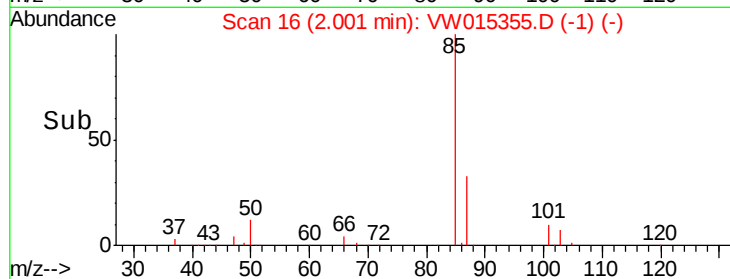
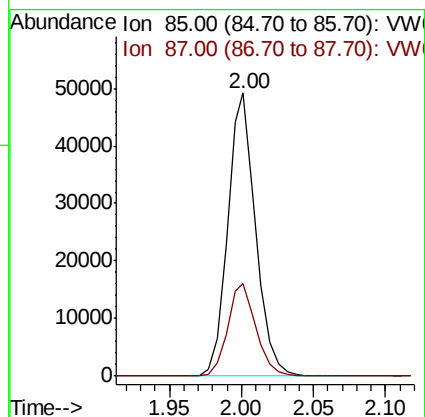
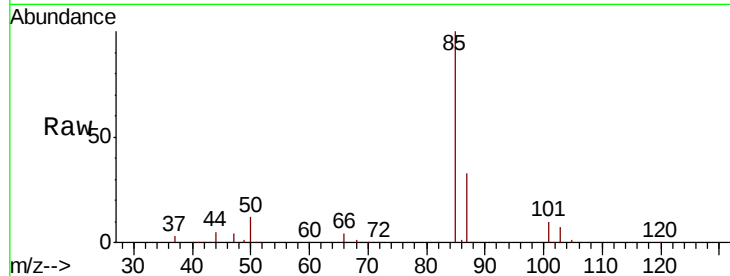
ClientSampleId :

Tot Ion: 85 Resp: 66467

Ion Ratio Lower Upper

85 100

87 33.2 22.6 42.0



#5

Vinyl chloride

Concen: 12.912 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW015355.D

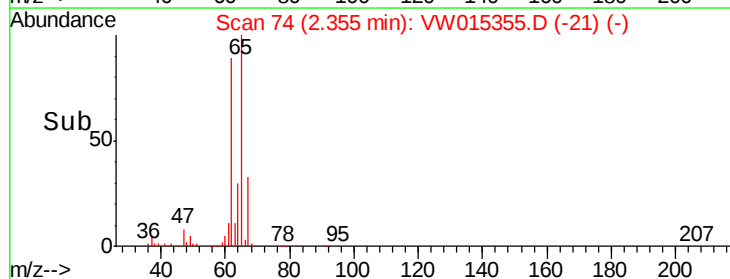
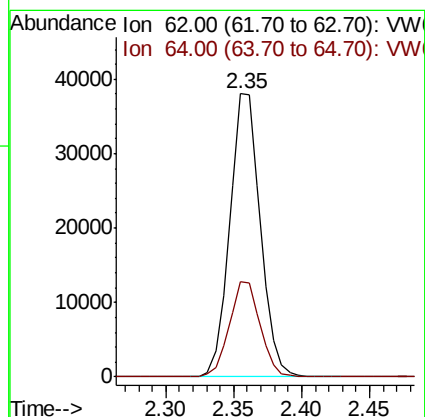
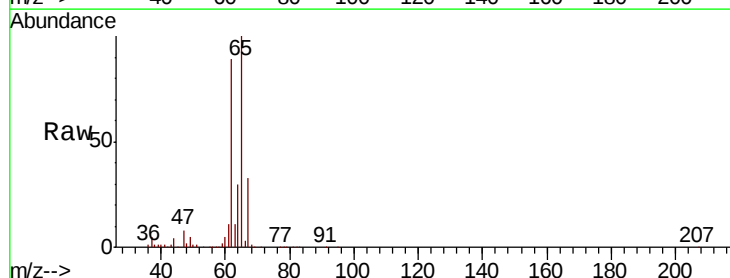
Acq: 27 Apr 2020 15:52

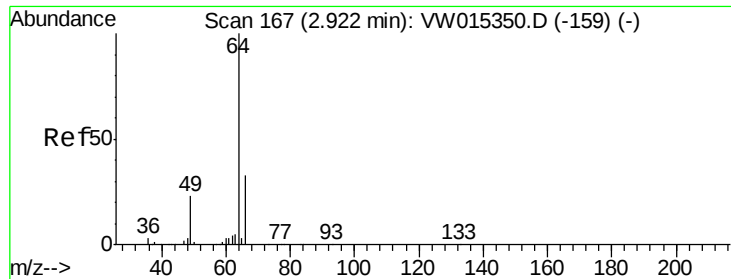
Tgt Ion: 62 Resp: 59298

Ion Ratio Lower Upper

62 100

64 33.7 22.7 42.3

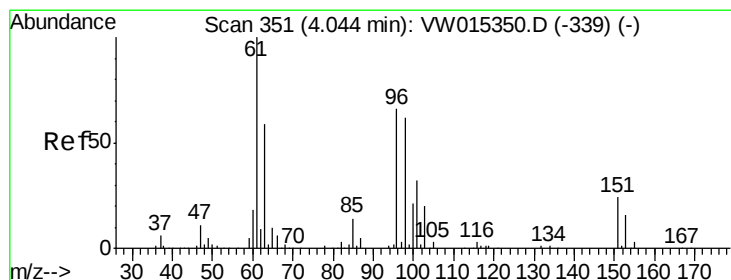
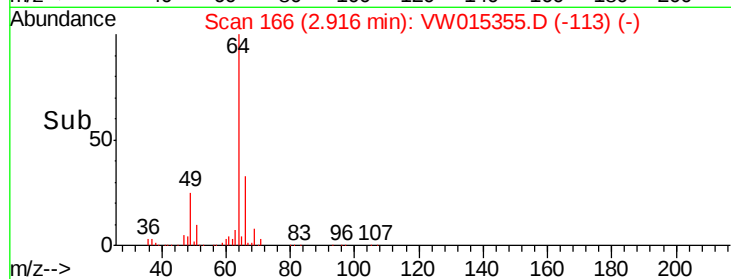
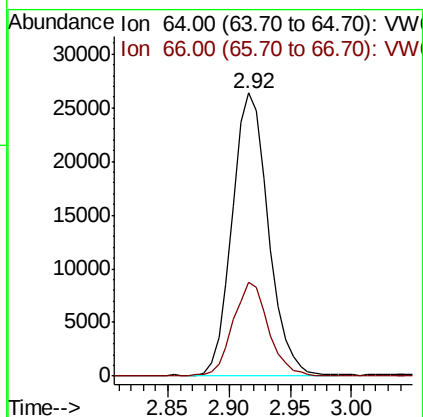
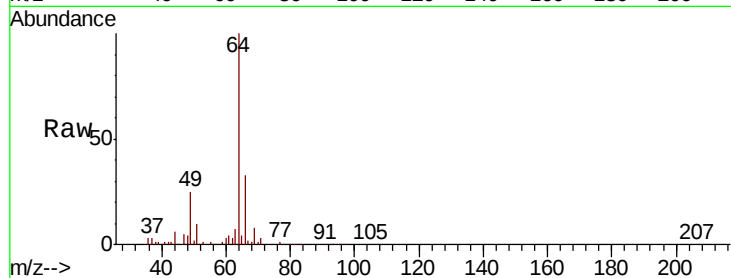




#8  
Chloroethane  
Concen: 18.528 ug/L  
RT: 2.92 min Scan# 166  
Delta R.T. -0.01 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

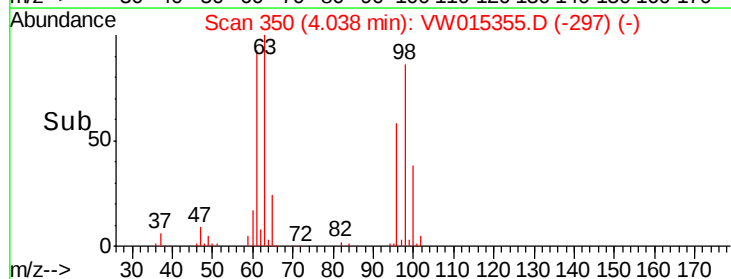
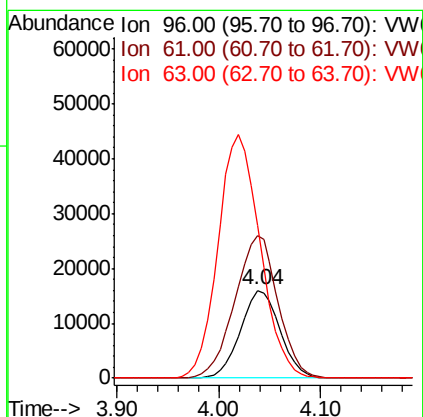
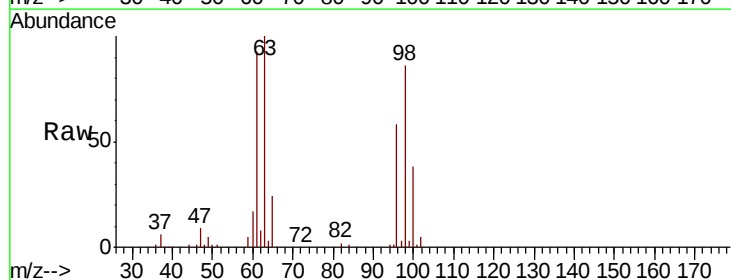
Instrument :  
MSVOA\_W  
ClientSampleId :

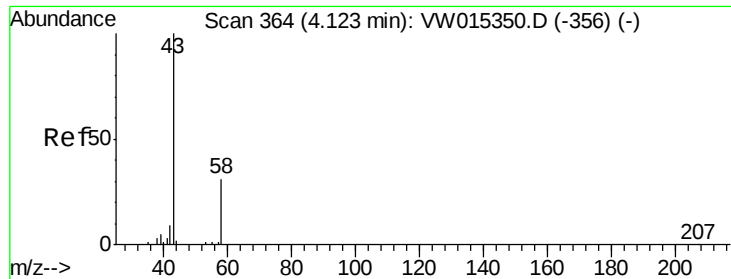
Tot Ion: 64 Resp: 54269  
Ion Ratio Lower Upper  
64 100  
66 33.1 22.9 42.5



#12  
1,1-Dichloroethene  
Concen: 11.106 ug/L  
RT: 4.04 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

Tgt Ion: 96 Resp: 43021  
Ion Ratio Lower Upper  
96 100  
61 162.0 106.2 197.2  
63 173.5 63.7 118.3#





#13

Acetone

Concen: 138.028 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

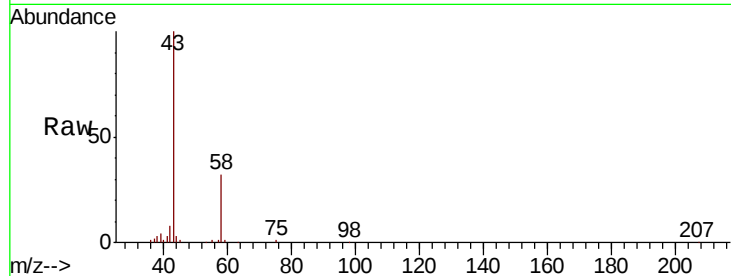
ClientSampled :

Tot Ion: 43 Resp: 96454

Ion Ratio Lower Upper

43 100

58 32.1 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

40000

30000

20000

10000

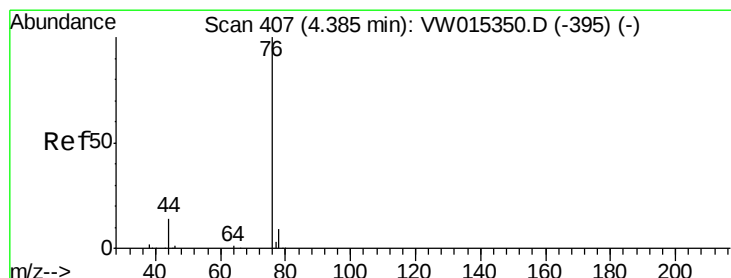
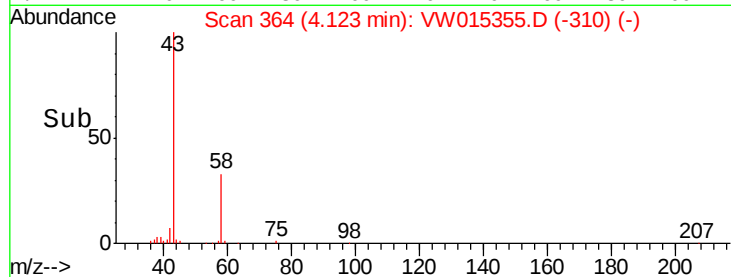
0

Time-->

4.00

4.10

4.20



#14

Carbon disulfide

Concen: 20.838 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015355.D

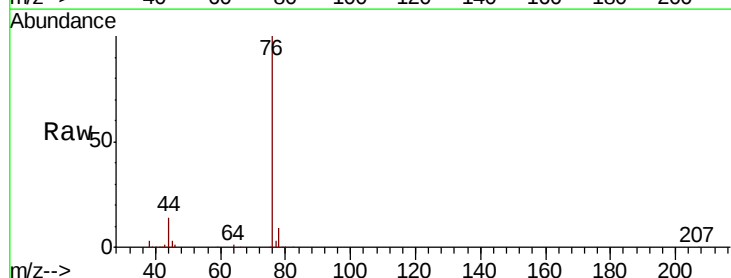
Acq: 27 Apr 2020 15:52

Tgt Ion: 76 Resp: 250522

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

100000

80000

60000

40000

20000

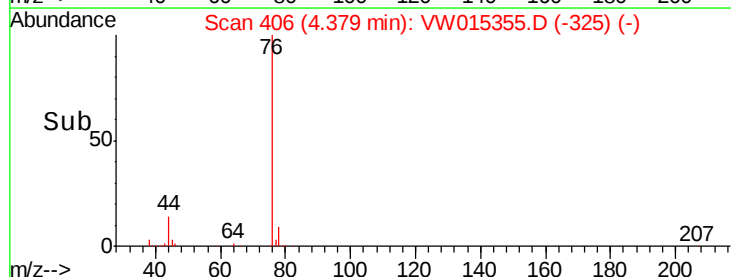
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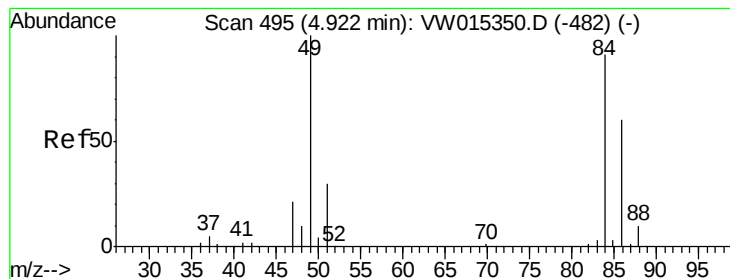
Time-->

4.30

4.40

4.50





#16

Methylene chloride

Concen: 30.327 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

ClientSampled :

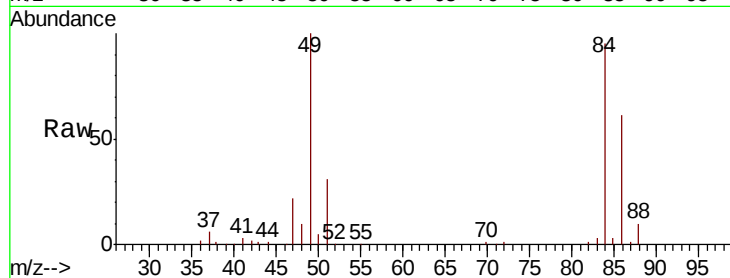
Tot Ion: 84 Resp: 129305

Ion Ratio Lower Upper

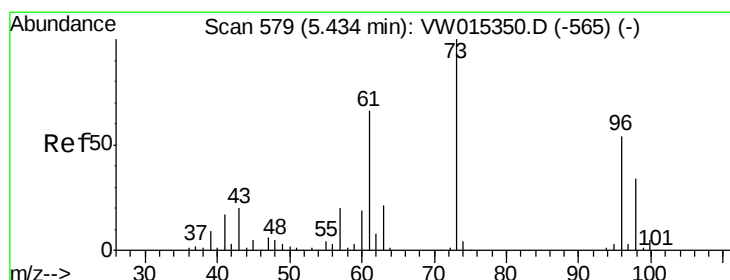
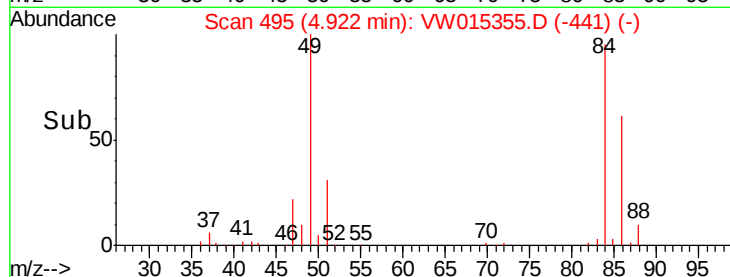
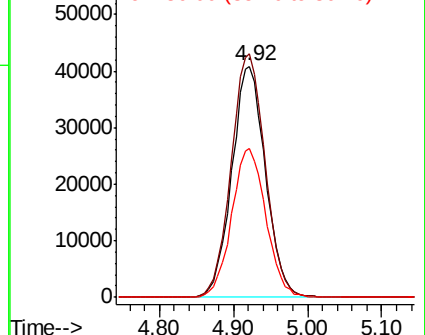
84 100

49 105.4 76.7 142.5

86 64.7 45.9 85.3



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



#18

trans-1,2-Dichloroethene

Concen: 26.221 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

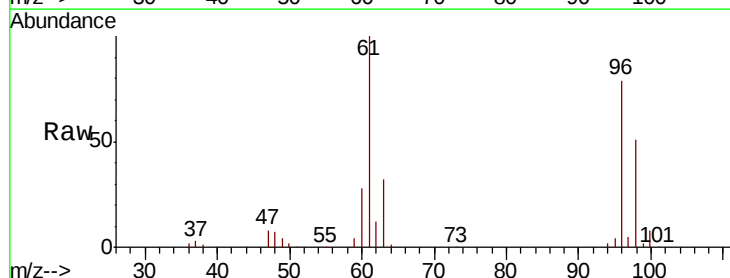
Tgt Ion: 96 Resp: 113542

Ion Ratio Lower Upper

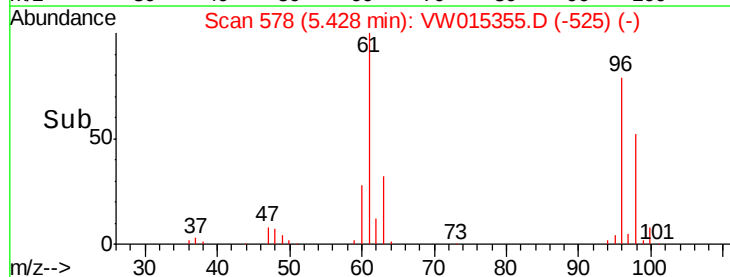
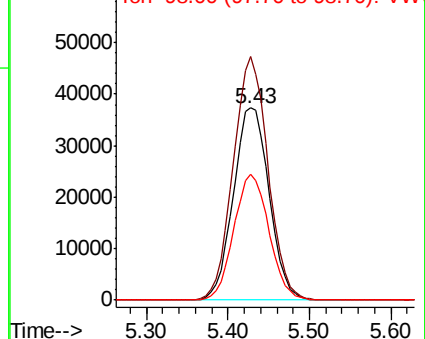
96 100

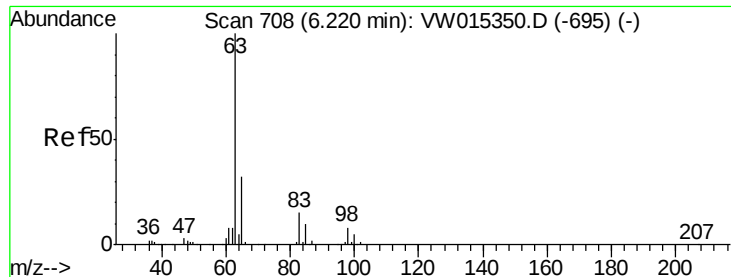
61 126.9 84.9 157.7

98 65.3 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VW  
Ion 61.00 (60.70 to 61.70): VW  
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 10.414 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

ClientSampled :

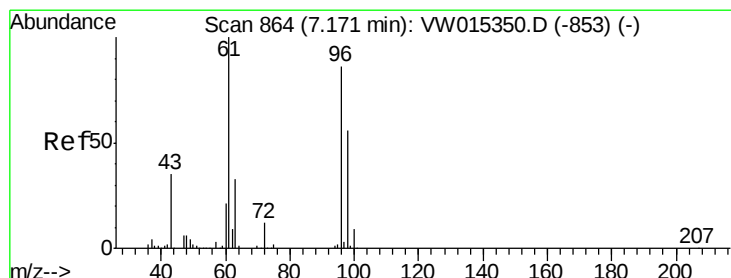
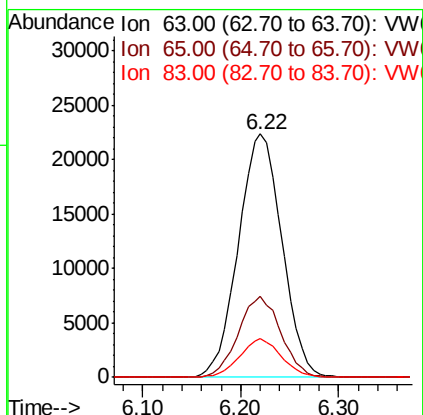
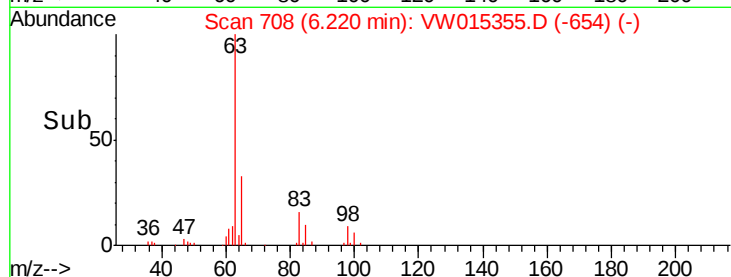
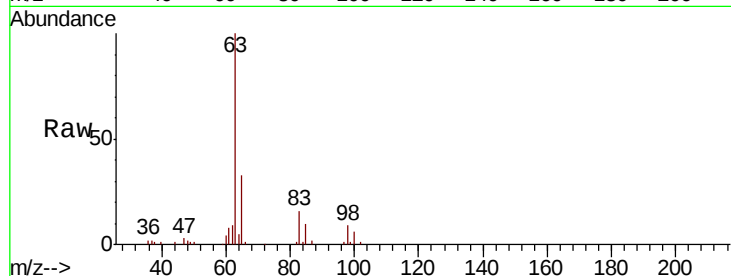
Tot Ion: 63 Resp: 69116

Ion Ratio Lower Upper

63 100

65 33.1 22.3 41.3

83 15.8 10.6 19.6



#21

2-Butanone

Concen: 3.398 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015355.D

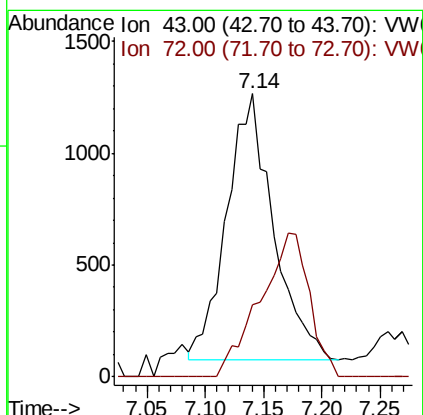
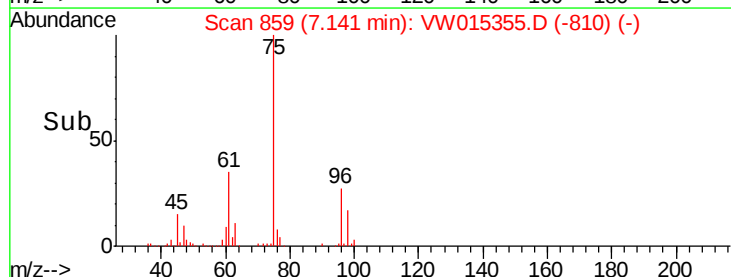
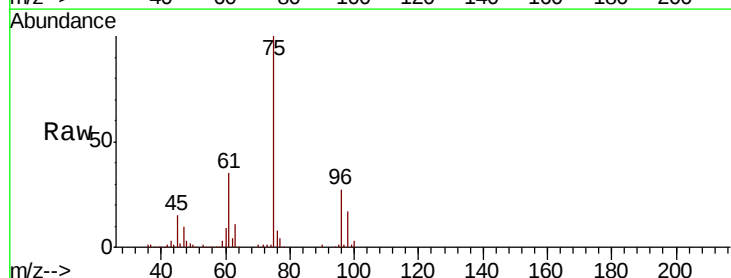
Acq: 27 Apr 2020 15:52

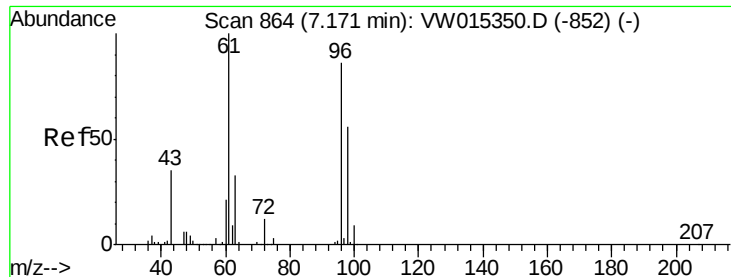
Tgt Ion: 43 Resp: 3294

Ion Ratio Lower Upper

43 100

72 57.0 16.6 49.7#



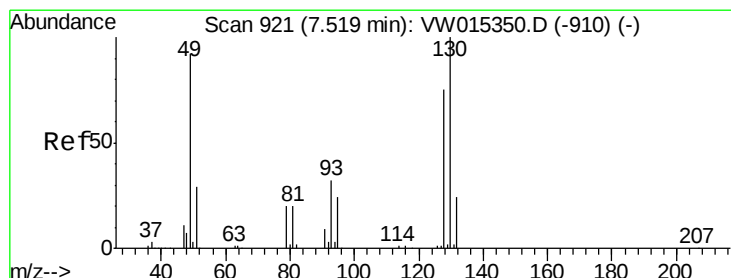
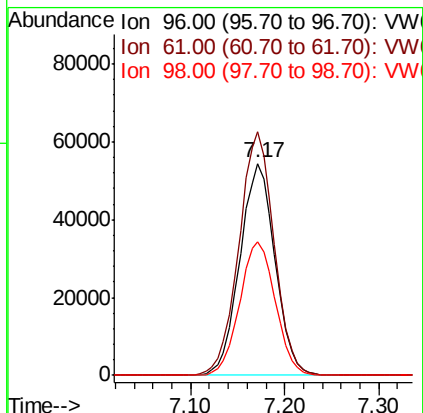
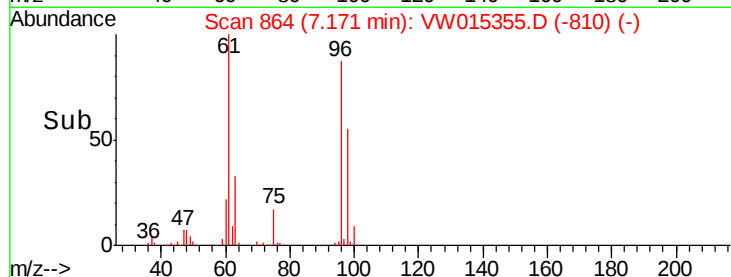
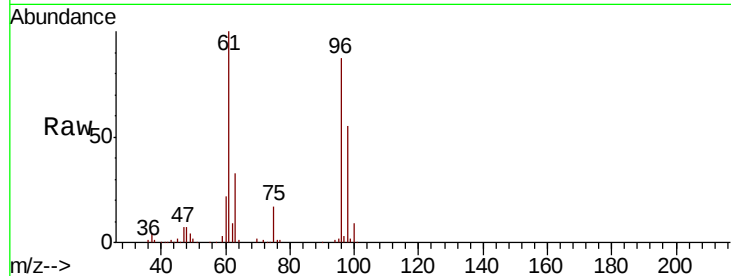


#22

cis-1,2-Dichloroethene  
Concen: 31.333 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

Instrument :  
MSVOA\_W  
ClientSampleId :

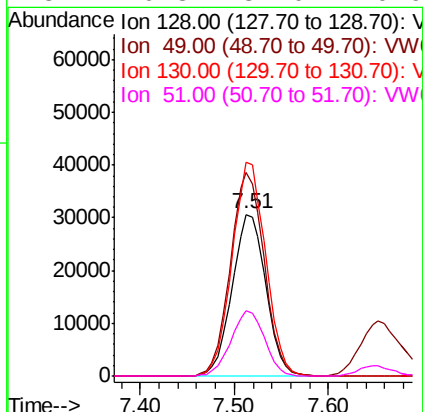
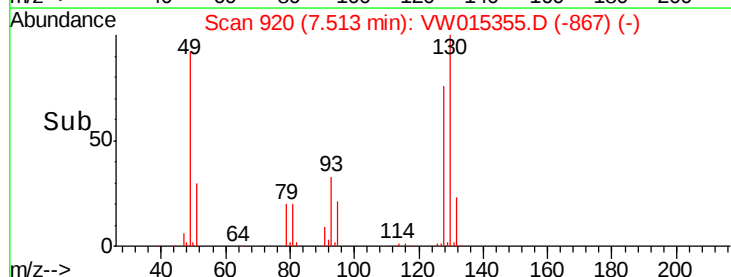
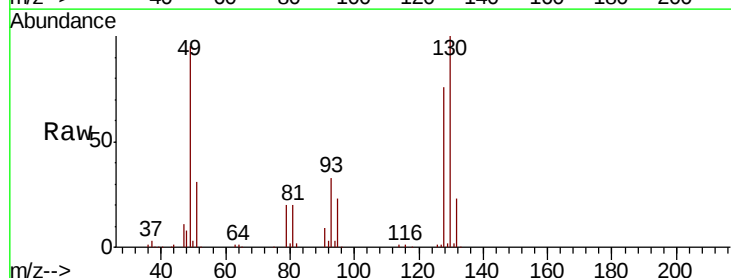
Tot Ion: 96 Resp: 142202  
Ion Ratio Lower Upper  
96 100  
61 114.8 81.2 150.8  
98 63.1 45.4 84.2

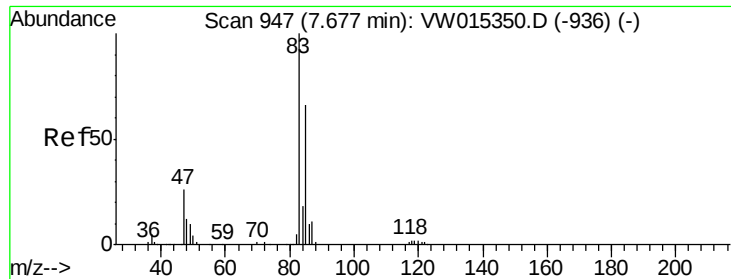


#23

Bromochloromethane  
Concen: 36.416 ug/L  
RT: 7.51 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

Tgt Ion: 128 Resp: 76662  
Ion Ratio Lower Upper  
128 100  
49 125.5 85.1 158.1  
130 132.1 92.9 172.5  
51 40.3 31.0 46.6

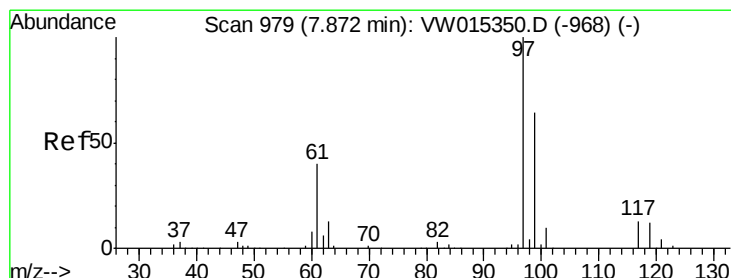
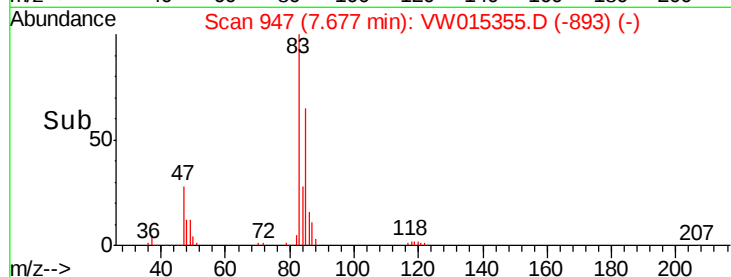
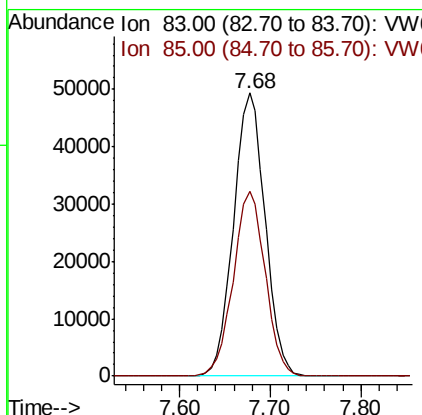
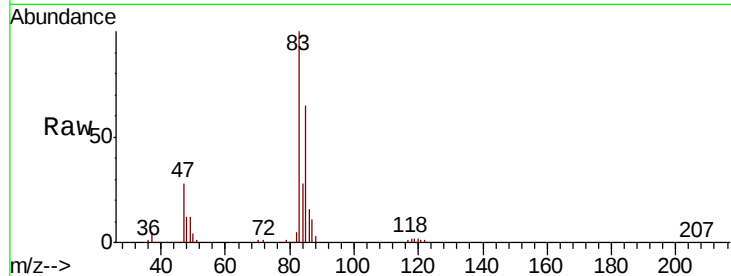




#25  
Chloroform  
Concen: 13.652 ug/L  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

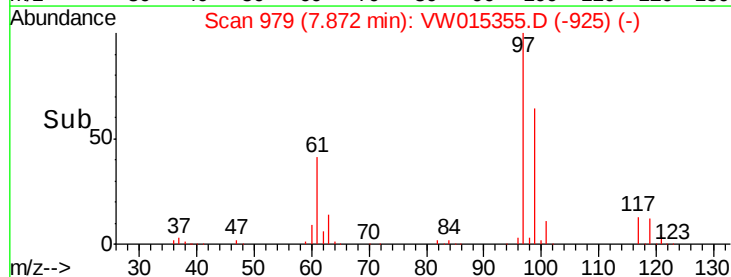
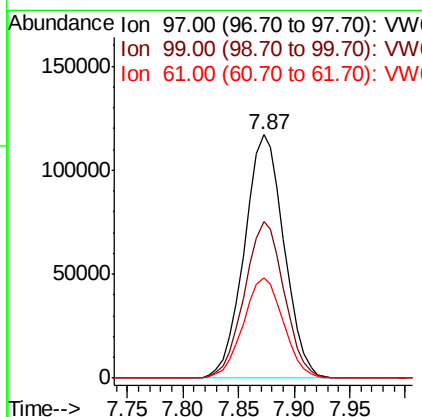
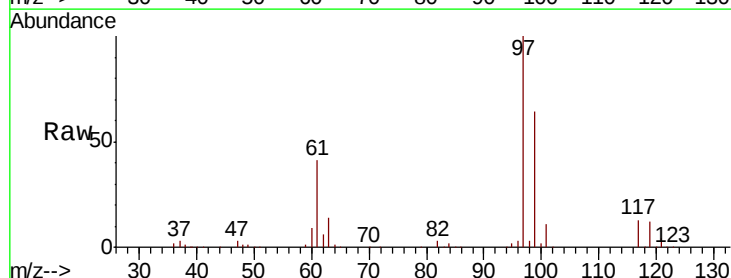
Instrument :  
MSVOA\_W  
ClientSampled :

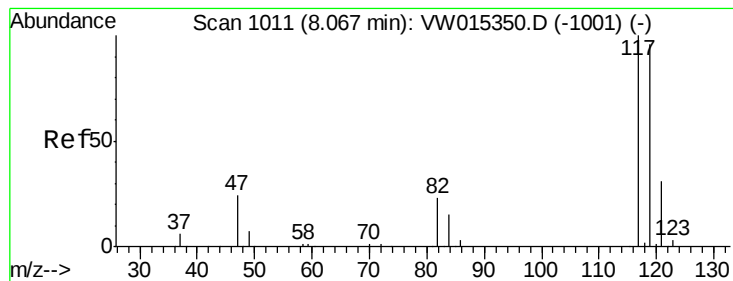
Tot Ion: 83 Resp: 119377  
Ion Ratio Lower Upper  
83 100  
85 66.0 45.7 84.9



#31  
1,1,1-Trichloroethane  
Concen: 40.756 ug/L  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

Tgt Ion: 97 Resp: 290726  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.0 76.4  
61 41.4 32.8 49.2





#32

Carbon tetrachloride

Concen: 15.484 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

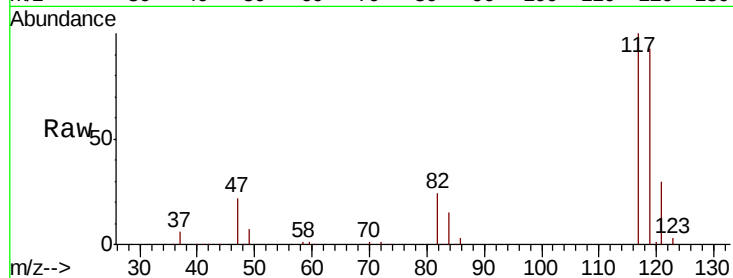
ClientSampleId :

Tot Ion:117 Resp: 98666

Ion Ratio Lower Upper

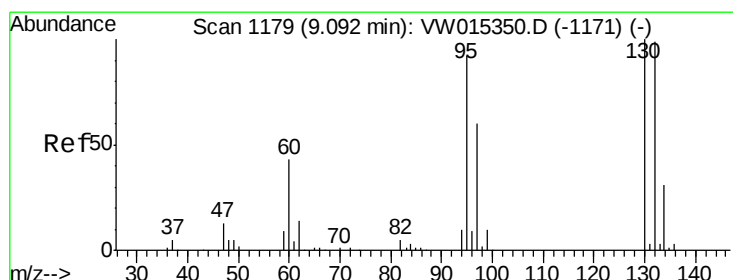
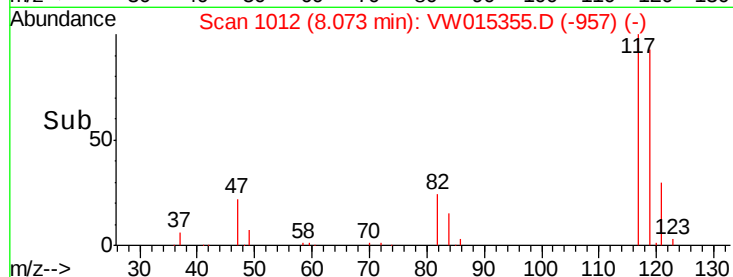
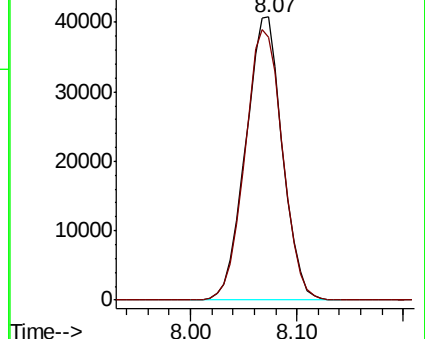
117 100

119 97.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#35

Trichloroethene

Concen: 31.709 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Tgt Ion: 95 Resp: 141024

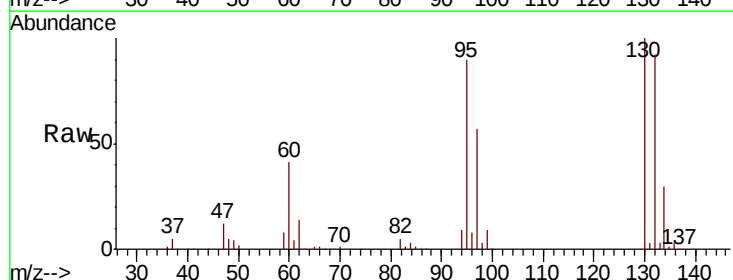
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.6

132 103.9 74.5 138.5

130 108.6 76.7 142.5

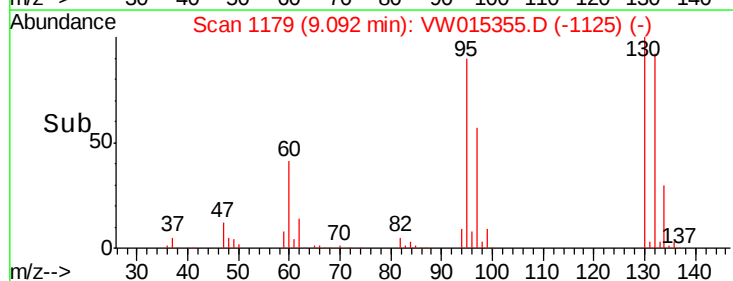
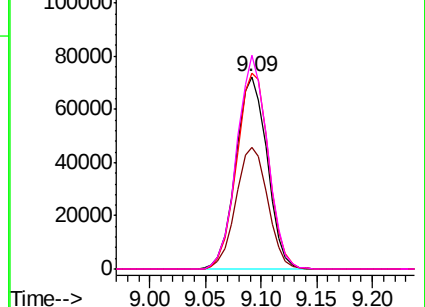


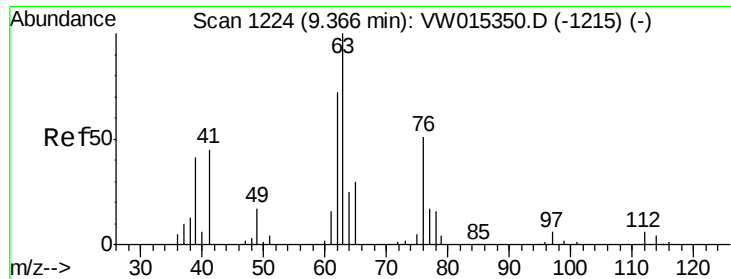
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

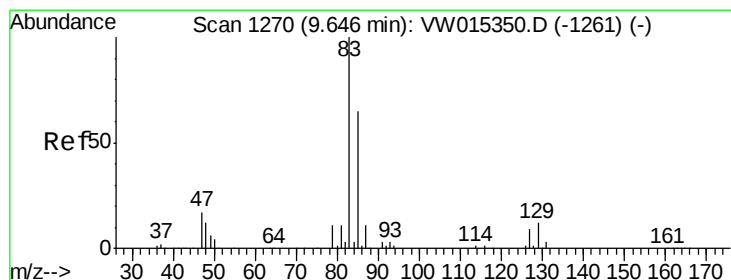
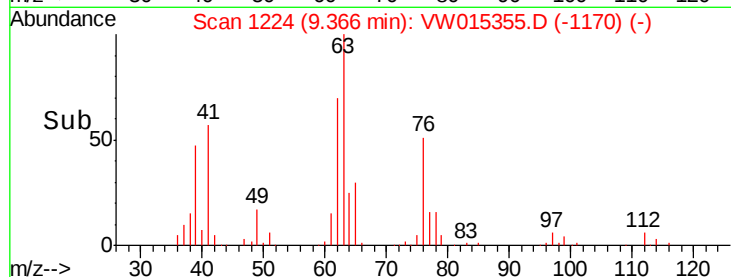
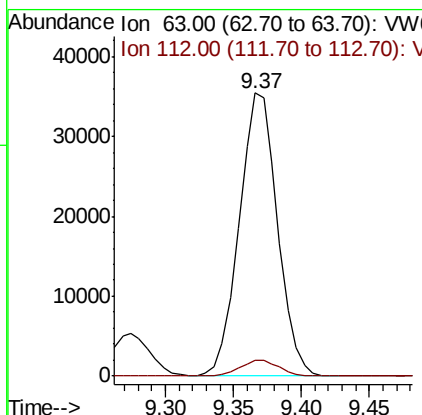
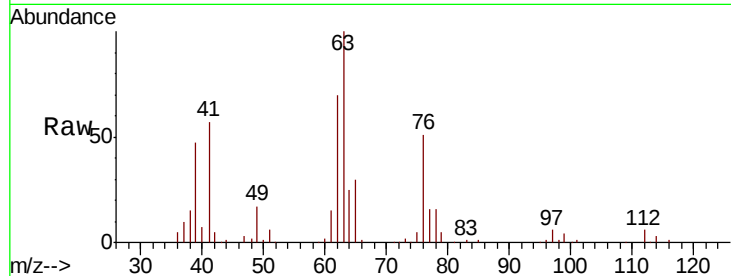




#40  
 1,2-Dichloropropane  
 Concen: 19.953 ug/L  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW015355.D  
 Acq: 27 Apr 2020 15:52

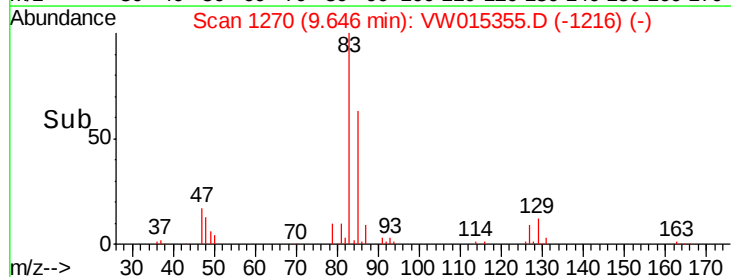
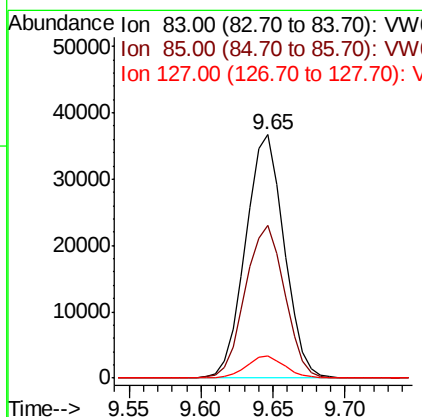
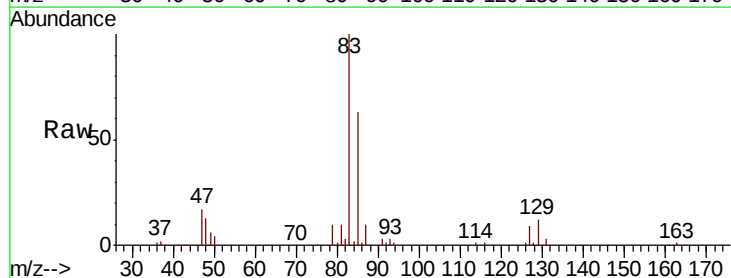
Instrument :  
 MSVOA\_W  
 ClientSampleId :

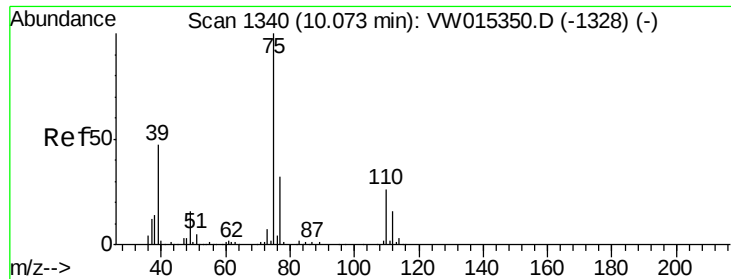
Tot Ion: 63 Resp: 69587  
 Ion Ratio Lower Upper  
 63 100  
 112 5.7 4.6 6.8



#41  
 Bromodichloromethane  
 Concen: 12.611 ug/L  
 RT: 9.65 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VW015355.D  
 Acq: 27 Apr 2020 15:52

Tgt Ion: 83 Resp: 68143  
 Ion Ratio Lower Upper  
 83 100  
 85 62.9 45.8 85.2  
 127 9.1 7.5 11.3

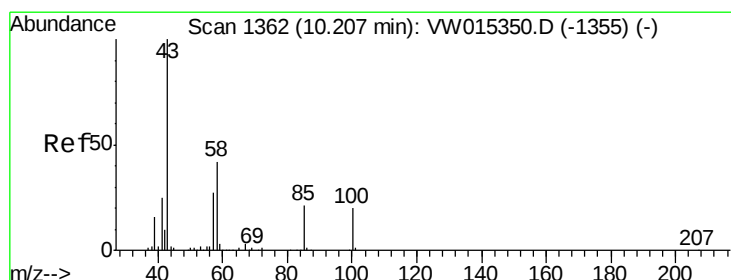
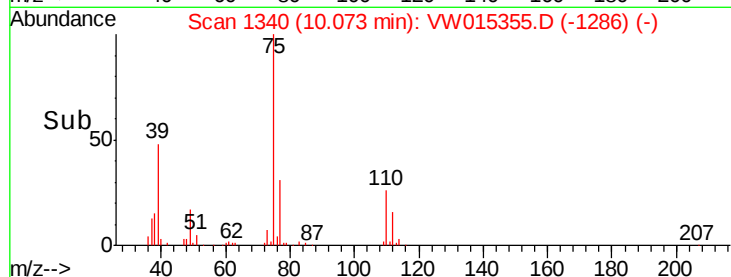
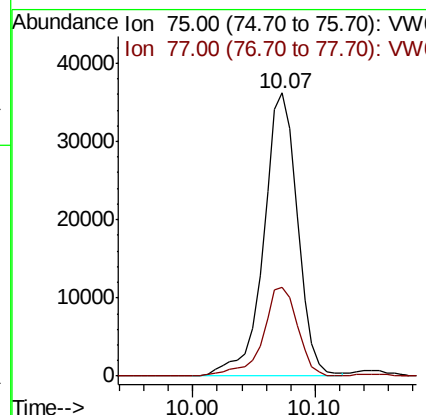
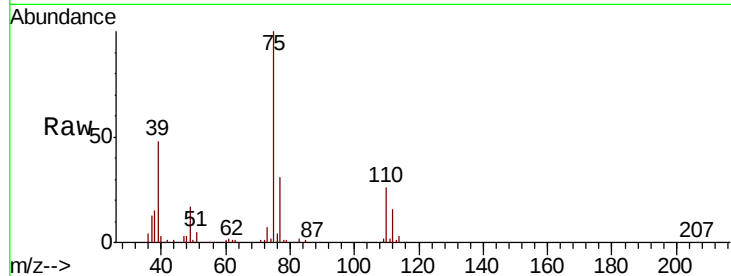




#42  
 cis-1,3-Dichloropropene  
 Concen: 11.197 ug/L  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW015355.D  
 Acq: 27 Apr 2020 15:52

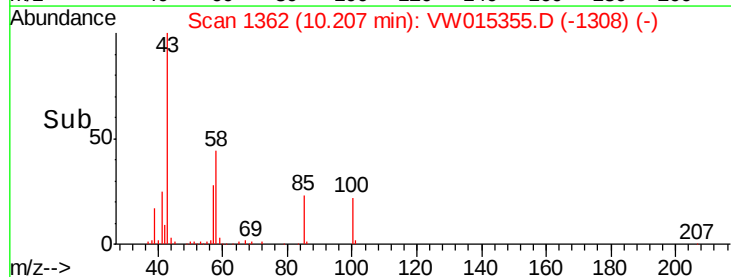
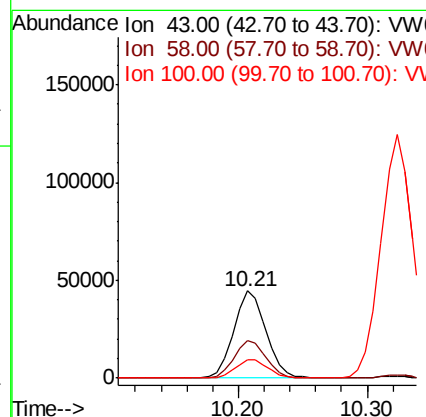
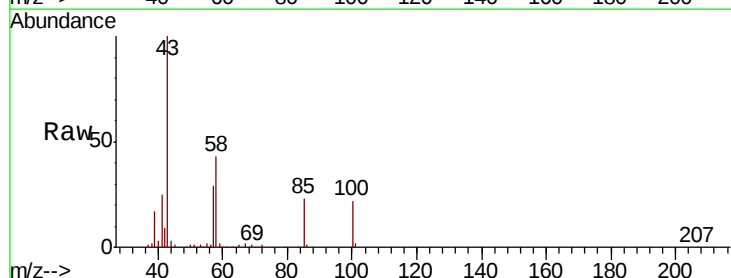
Instrument :  
 MSVOA\_W  
 ClientSampled :

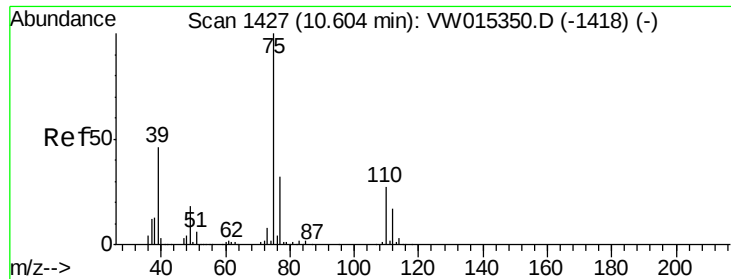
Tot Ion: 75 Resp: 69846  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 22.6 42.0



#43  
 4-Methyl-2-pentanone  
 Concen: 40.593 ug/L  
 RT: 10.21 min Scan# 1362  
 Delta R.T. -0.00 min  
 Lab File: VW015355.D  
 Acq: 27 Apr 2020 15:52

Tgt Ion: 43 Resp: 77986  
 Ion Ratio Lower Upper  
 43 100  
 58 43.3 34.2 51.4  
 100 21.2 17.0 25.6





#45

trans-1,3-Dichloropropene

Concen: 18.813 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

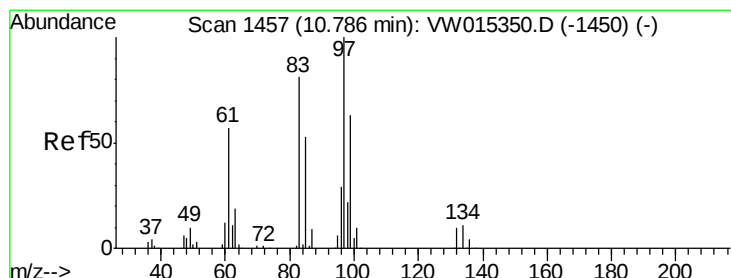
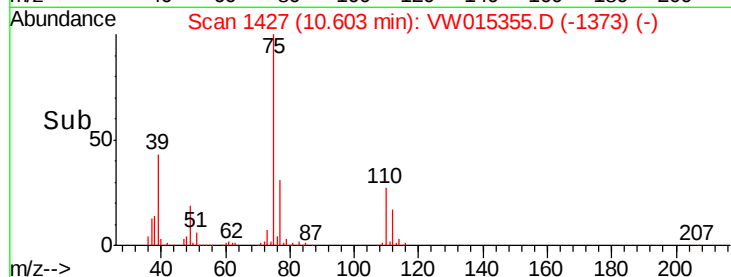
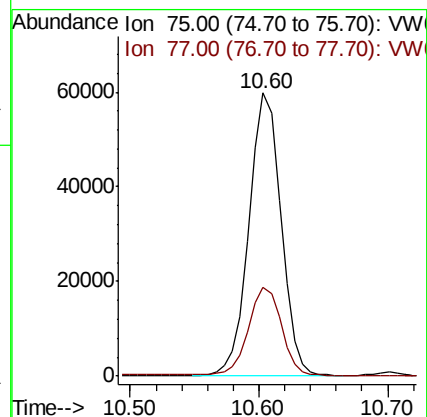
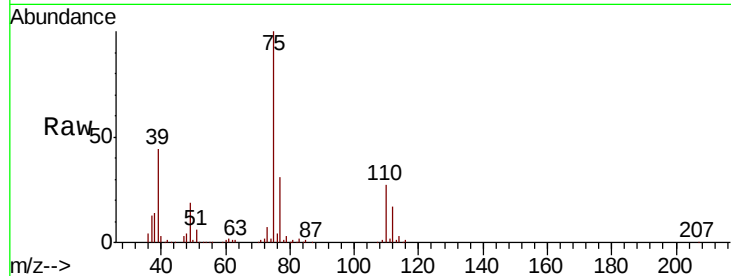
ClientSampleId :

Tot Ion: 75 Resp: 103506

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



#46

1,1,2-Trichloroethane

Concen: 9.900 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Tgt Ion: 97 Resp: 29542

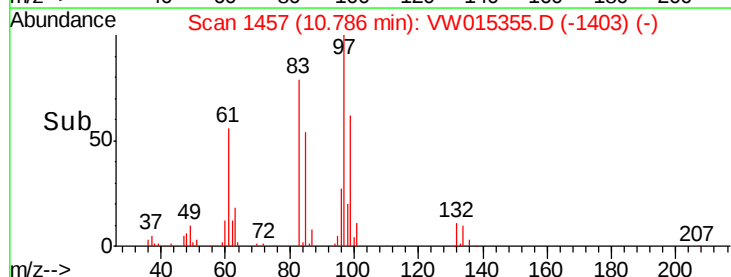
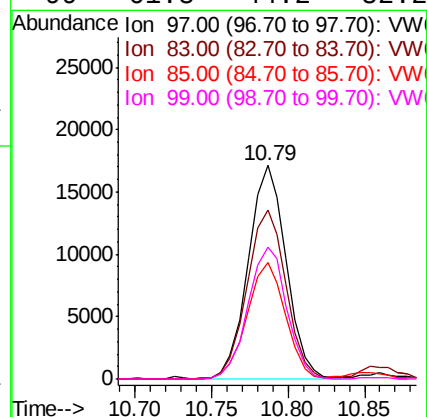
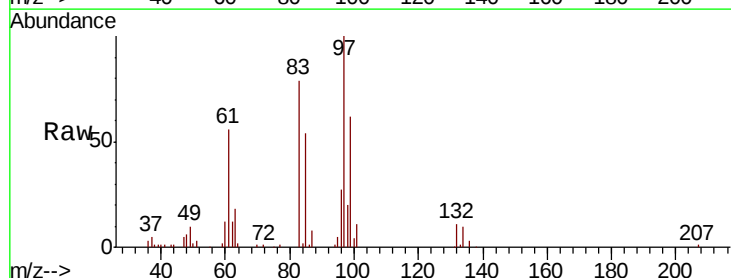
Ion Ratio Lower Upper

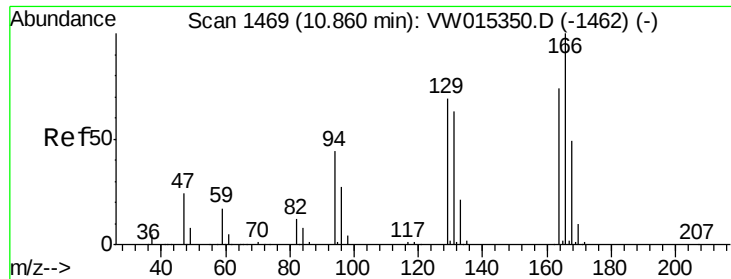
97 100

83 78.8 56.8 105.6

85 54.5 37.3 69.3

99 61.8 44.2 82.2





#47

Tetrachloroethene

Concen: 20.866 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion:164 Resp: 87197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.4  | 65.3  | 121.3 |
| 131 | 85.7  | 59.1  | 109.7 |
| 166 | 130.3 | 94.2  | 175.0 |

Abundance

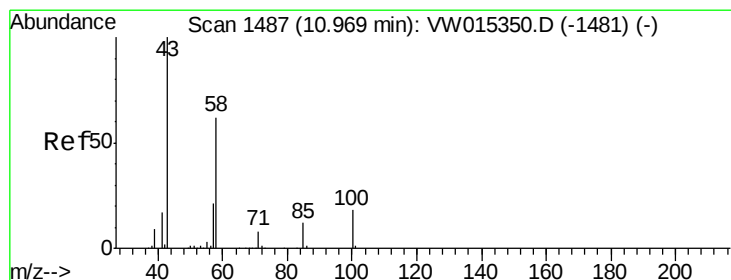
Ion 164.00 (163.70 to 164.70): V

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

Time-->



#49

2-Hexanone

Concen: 53.575 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Tgt Ion: 43 Resp: 75556

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.6  | 47.4  | 71.2  |
| 57  | 20.8  | 16.7  | 25.1  |
| 100 | 15.8  | 13.4  | 20.2  |

Abundance

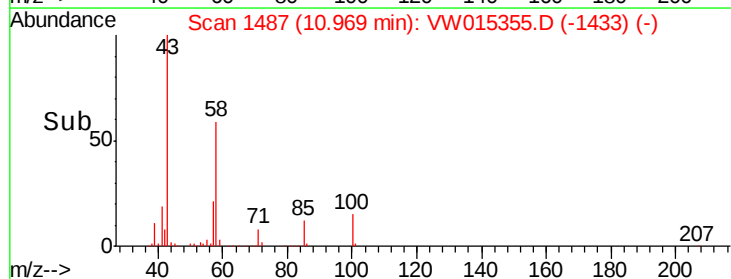
Ion 43.00 (42.70 to 43.70): VW

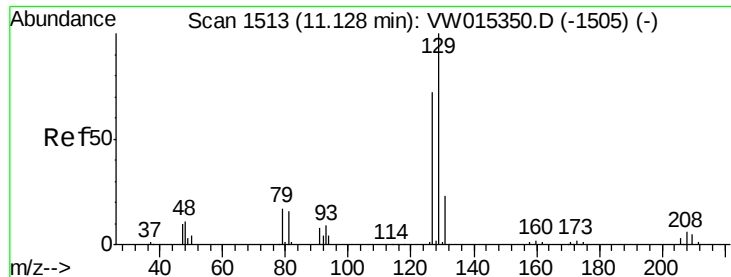
Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





#50

Dibromochloromethane

Concen: 12.433 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

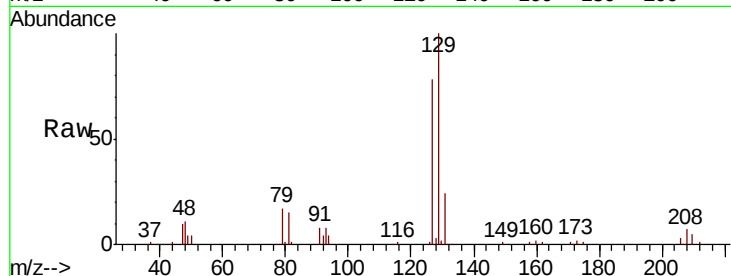
ClientSampleId :

Tot Ion:129 Resp: 49453

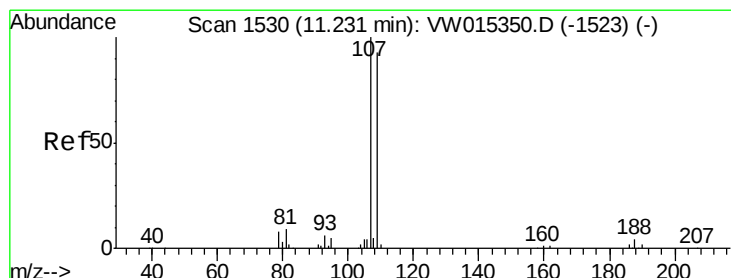
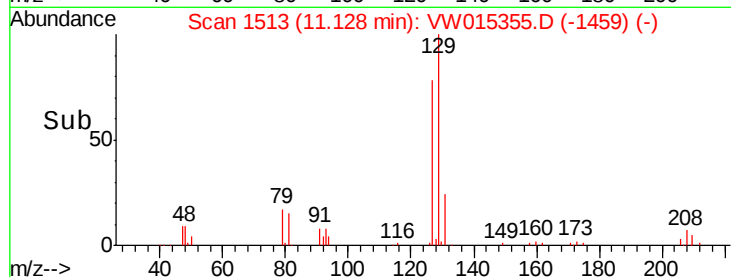
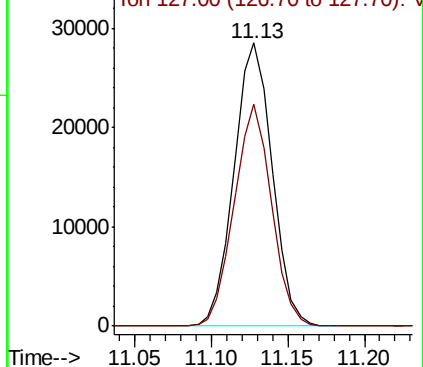
Ion Ratio Lower Upper

129 100

127 78.4 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 19.105 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

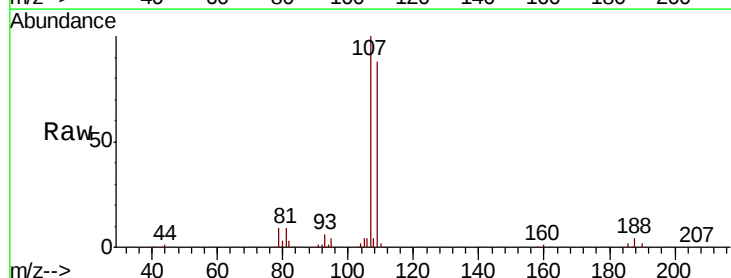
Tgt Ion:107 Resp: 56931

Ion Ratio Lower Upper

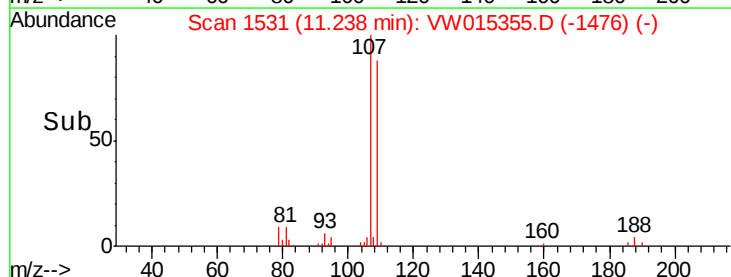
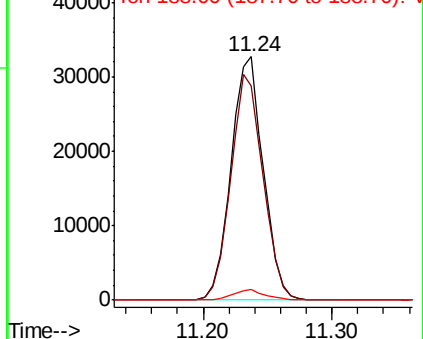
107 100

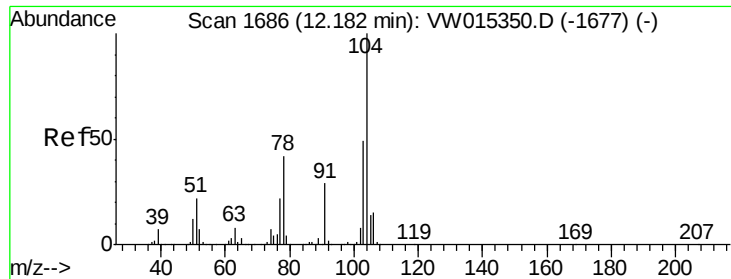
109 87.8 65.3 121.3

188 4.2 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 188.00 (187.70 to 188.70): V





#56

Stvrene

Concen: 19.552 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

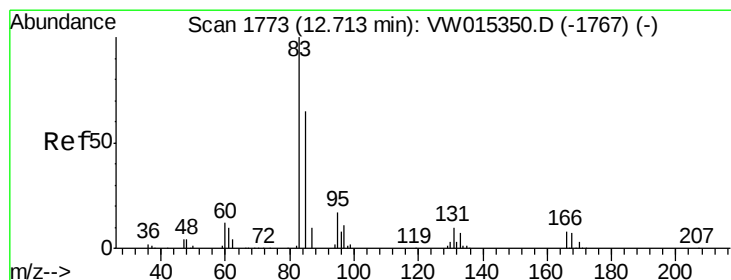
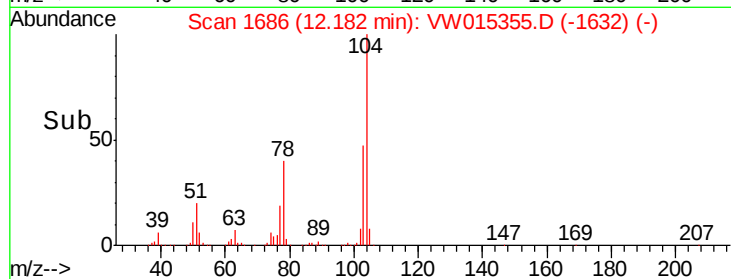
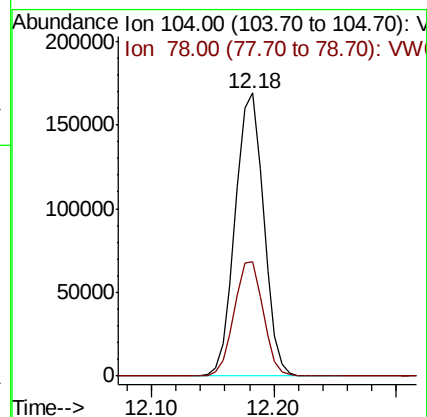
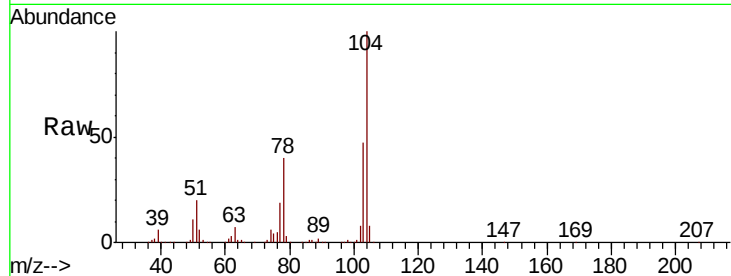
ClientSampleId :

Tot Ion:104 Resp: 272045

Ion Ratio Lower Upper

104 100

78 40.2 29.5 54.7



#58

1,1,2,2-Tetrachloroethane

Concen: 27.932 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

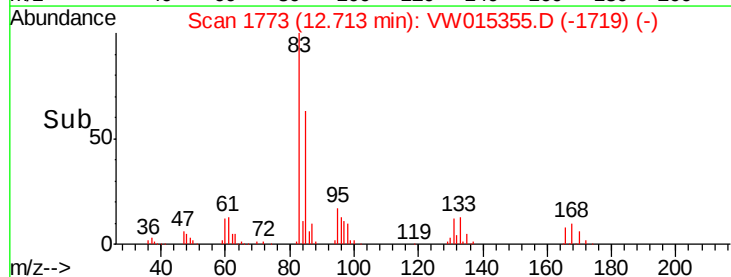
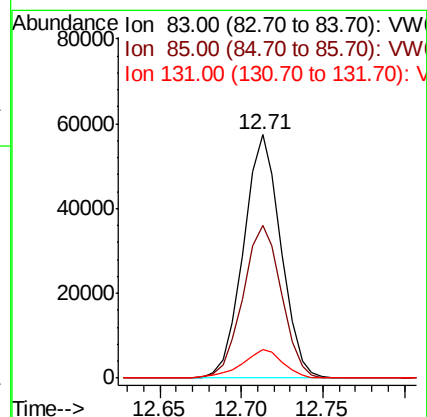
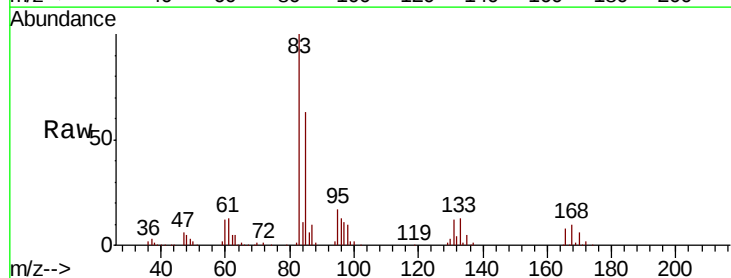
Tgt Ion: 83 Resp: 91545

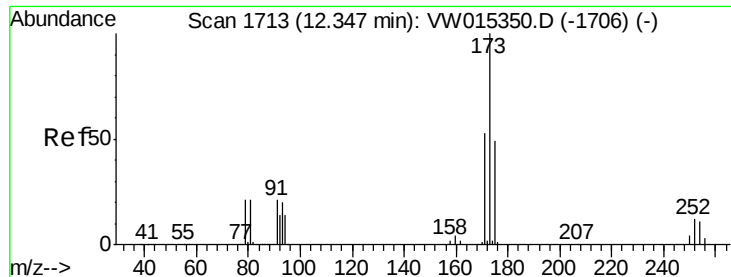
Ion Ratio Lower Upper

83 100

85 62.7 45.7 84.9

131 11.6 8.8 13.2

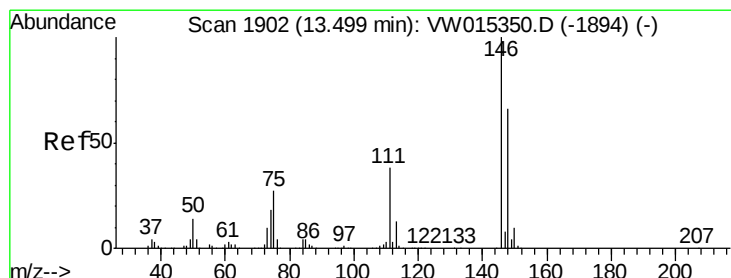
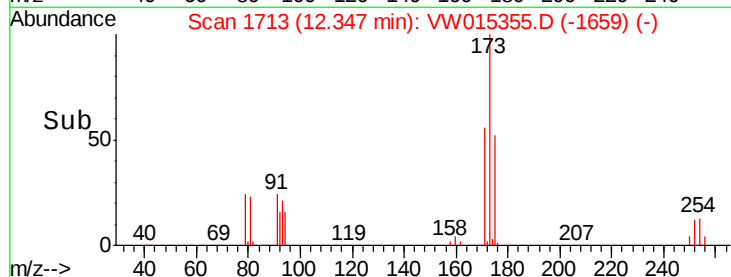
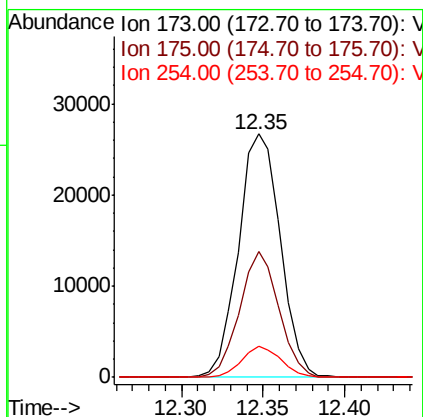
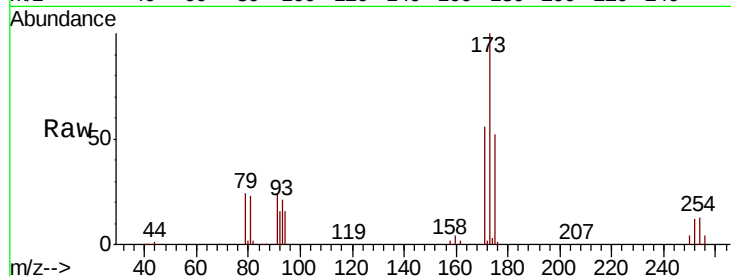




#62  
Bromoform  
Concen: 19.062 ug/L  
RT: 12.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

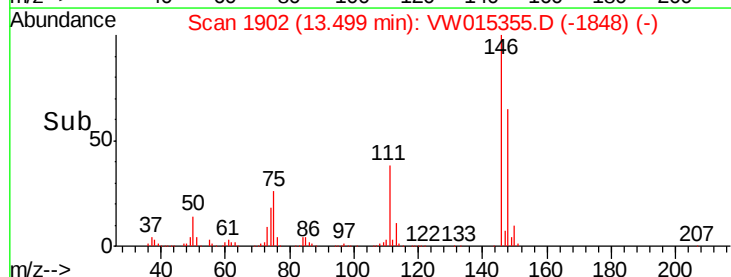
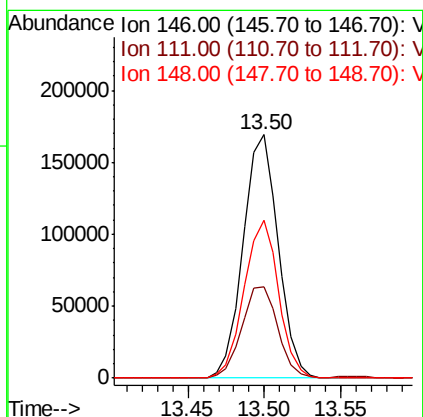
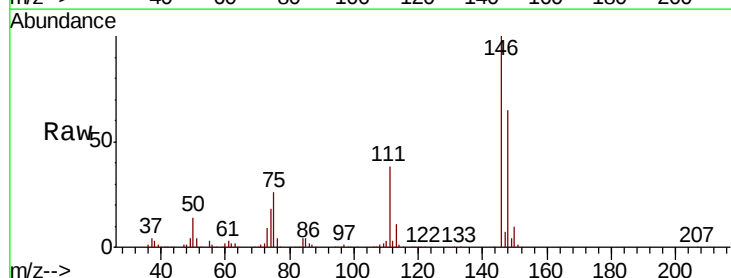
Instrument :  
MSVOA\_W  
ClientSampleId :

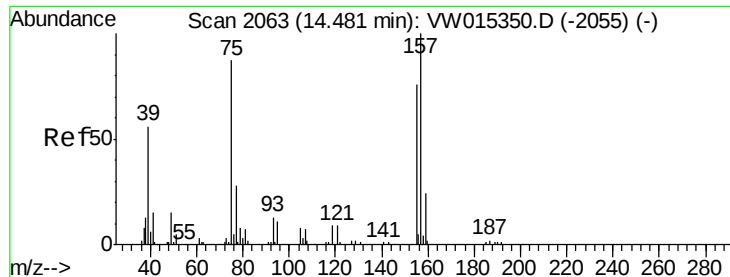
Tot Ion:173 Resp: 47652  
Ion Ratio Lower Upper  
173 100  
175 48.5 39.5 59.3  
254 12.1 9.0 13.6



#63  
1,3-Dichlorobenzene  
Concen: 25.761 ug/L  
RT: 13.50 min Scan# 1902  
Delta R.T. -0.00 min  
Lab File: VW015355.D  
Acq: 27 Apr 2020 15:52

Tgt Ion:146 Resp: 269230  
Ion Ratio Lower Upper  
146 100  
111 37.7 26.4 49.0  
148 64.9 46.1 85.5





#66

1,2-Dibromo-3-chloropropane

Concen: 35.757 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Instrument :

MSVOA\_W

ClientSampleId :

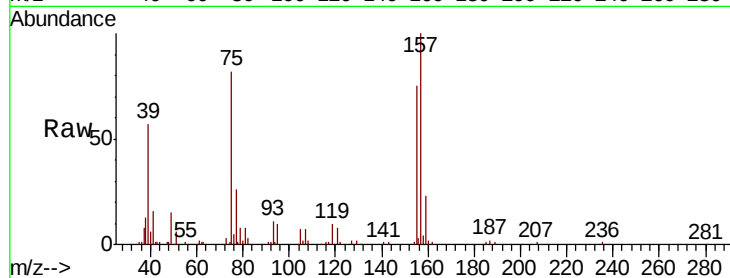
Tot Ion: 75 Resp: 22231

Ion Ratio Lower Upper

75 100

157 122.3 92.3 138.5

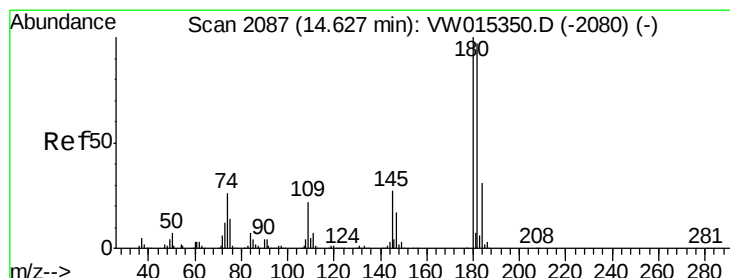
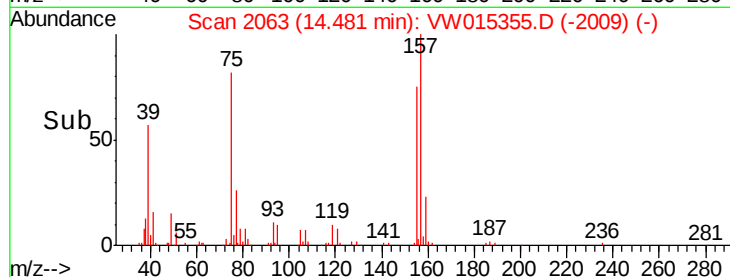
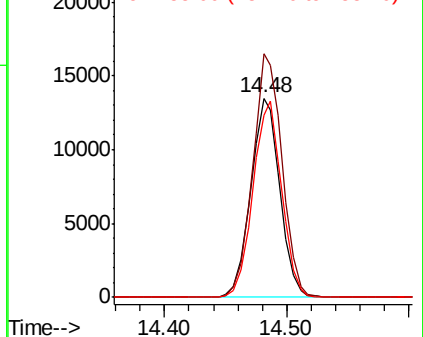
155 91.8 70.4 105.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 6.404 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.93 min

Lab File: VW015355.D

Acq: 27 Apr 2020 15:52

Tgt Ion:180 Resp: 49929

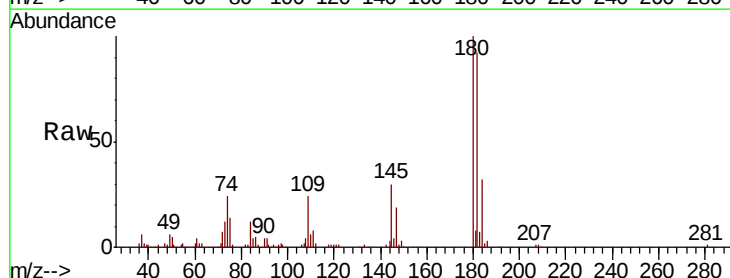
Ion Ratio Lower Upper

180 100

182 93.9 78.1 117.1

184 31.2 24.5 36.7

145 29.9 22.2 33.2

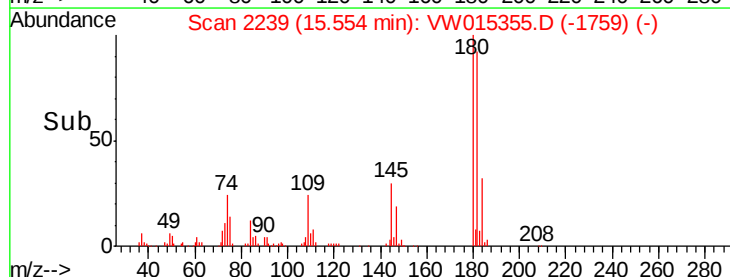
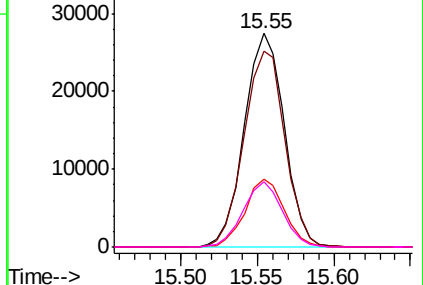


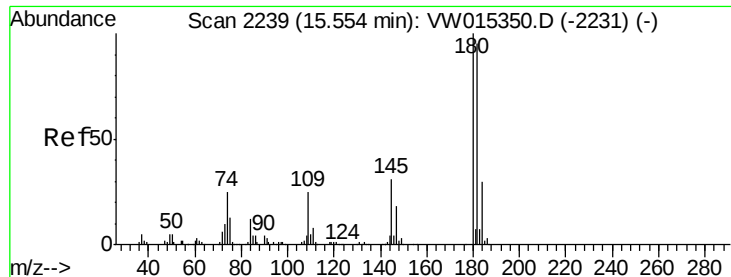
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

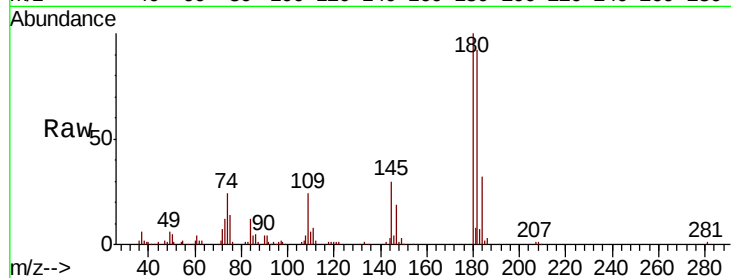




#70  
 1,2,3-Trichlorobenzene  
 Concen: 9.336 ug/L  
 RT: 15.55 min Scan# 2239  
 Delta R.T. -0.00 min  
 Lab File: VW015355.D  
 Acq: 27 Apr 2020 15:52

Instrument :  
 MSVOA\_W  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.9  | 77.4  | 116.0 |
| 145     | 29.9  | 24.8  | 37.2  |



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

