

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\  
 Data File : VX014056.D  
 Acq On : 17 Dec 2019 16:59  
 Operator : JC/SP  
 Sample : K6251-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW201D-20191207

Quant Time: Dec 18 07:14:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 563699   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 865170   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 772438   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 324040   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 319054   | 49.94 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.88% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 260071   | 49.45 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.90% |      |
| 50) Toluene-d8            | 8.71   | 98  | 1023469  | 49.98 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.96% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 338232   | 45.19 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.38% |      |

## Target Compounds

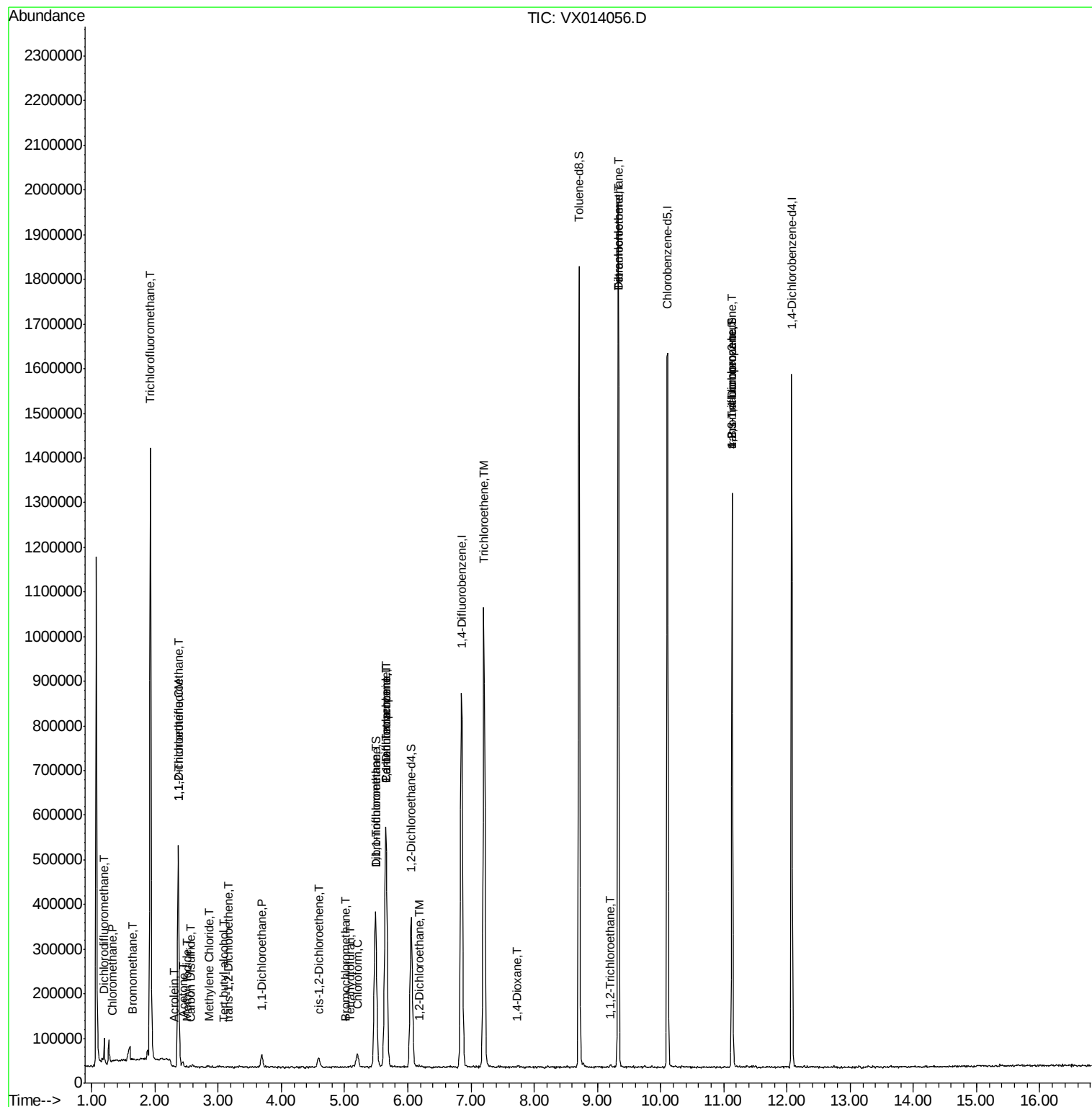
|                                |       |     |        |        |        | Qvalue |
|--------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.19  | 85  | 31725  | 6.291  | ug/l   | 98     |
| 3) Chloromethane               | 1.32  | 50  | 1758   | 0.260  | ug/l   | 89     |
| 5) Bromomethane                | 1.65  | 94  | 1149   | 0.227  | ug/l # | 27     |
| 7) Trichlorofluoromethane      | 1.92  | 101 | 870478 | 98.468 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet  | 2.37  | 101 | 11809  | 2.216  | ug/l   | 95     |
| 10) Methyl Iodide              | 2.50  | 142 | 997    | 2.755  | ug/l # | 23     |
| 11) Tert butyl alcohol         | 3.08  | 59  | 355    | 0.257  | ug/l # | 72     |
| 12) 1,1-Dichloroethene         | 2.37  | 96  | 165218 | 30.469 | ug/l   | 99     |
| 13) Acrolein                   | 2.31  | 56  | 582    | 0.737  | ug/l # | 50     |
| 16) Acetone                    | 2.44  | 43  | 5807   | 1.400  | ug/l # | 86     |
| 17) Carbon Disulfide           | 2.56  | 76  | 1940   | 0.877  | ug/l # | 69     |
| 20) Methylene Chloride         | 2.85  | 84  | 1493   | 0.229  | ug/l # | 56     |
| 21) trans-1,2-Dichloroethene   | 3.16  | 96  | 1882   | 0.315  | ug/l # | 73     |
| 24) 1,1-Dichloroethane         | 3.69  | 63  | 33207  | 3.094  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene     | 4.59  | 96  | 15427  | 2.283  | ug/l   | 87     |
| 28) Bromochloromethane         | 5.01  | 49  | 510    | 0.576  | ug/l # | 65     |
| 29) Tetrahydrofuran            | 5.10  | 42  | 622    | 0.217  | ug/l # | 82     |
| 30) Chloroform                 | 5.20  | 83  | 36746  | 3.611  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane      | 5.48  | 97  | 42968  | 4.955  | ug/l   | 98     |
| 36) 1,1-Dichloropropene        | 5.65  | 75  | 39815  | 5.015  | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.65  | 117 | 49135  | 6.794  | ug/l # | 17     |
| 42) 1,2-Dichloroethane         | 6.18  | 62  | 2783   | 0.336  | ug/l   | 99     |
| 44) Trichloroethene            | 7.21  | 130 | 413051 | 61.224 | ug/l   | 98     |
| 49) 1,4-Dioxane                | 7.73  | 88  | 2944   | 20.364 | ug/l # | 89     |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97  | 2503   | 0.405  | ug/l # | 65     |
| 60) Dibromochloromethane       | 9.33  | 129 | 336533 | 54.716 | ug/l # | 11     |
| 64) Tetrachloroethene          | 9.33  | 164 | 386301 | 56.517 | ug/l   | 94     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 165599 | 23.540 | ug/l # | 38     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 165599 | 66.442 | ug/l # | 12     |

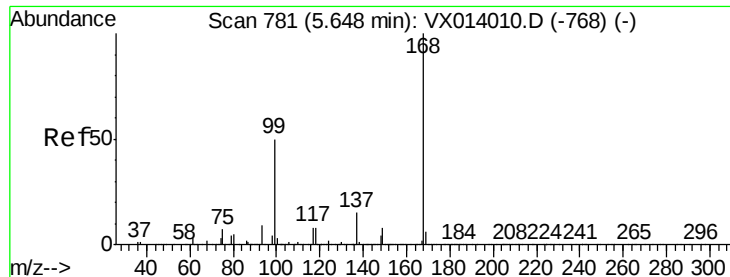
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121719\  
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Sample : K6251-11  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW201D-20191207

Quant Time: Dec 18 07:14:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration



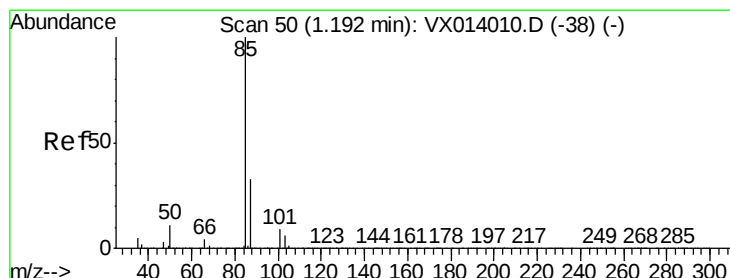
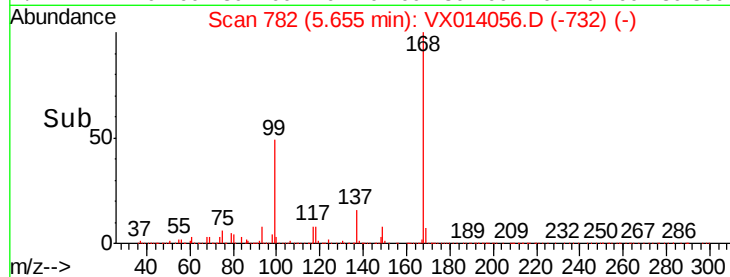
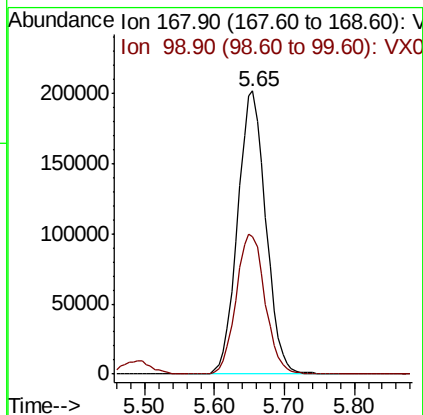
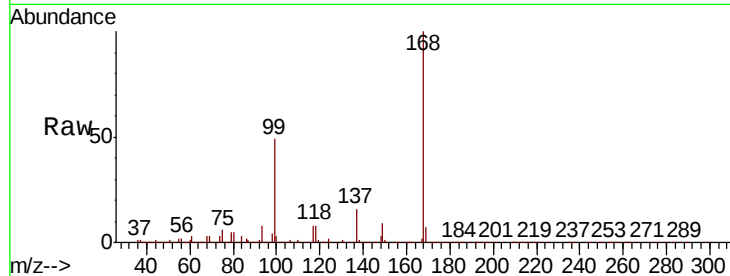


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.01 min  
 Lab File: VX014056.D  
 Acq: 17 Dec 2019 16:59

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW201D-20191207

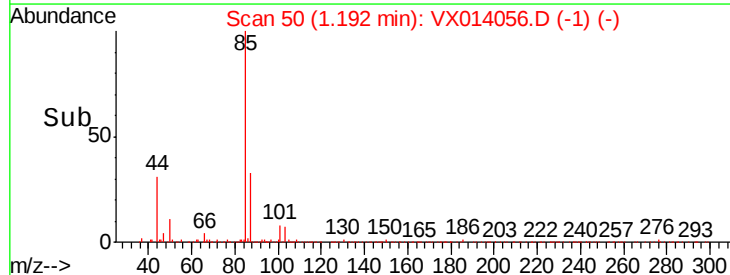
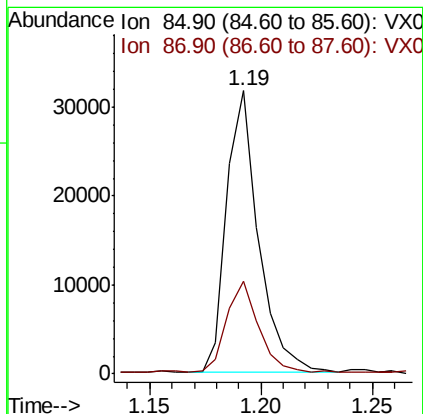
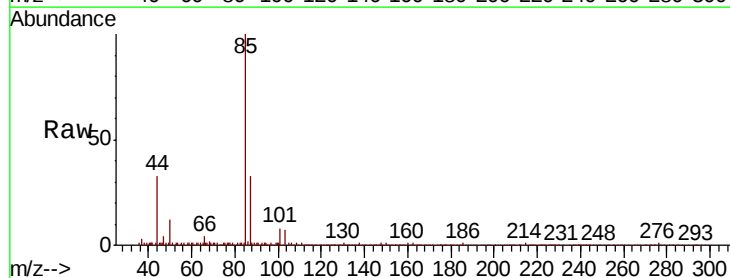
Tot Ion:168 Resp: 563699  
 Ion Ratio Lower Upper  
 168 100  
 99 48.5 40.3 60.5

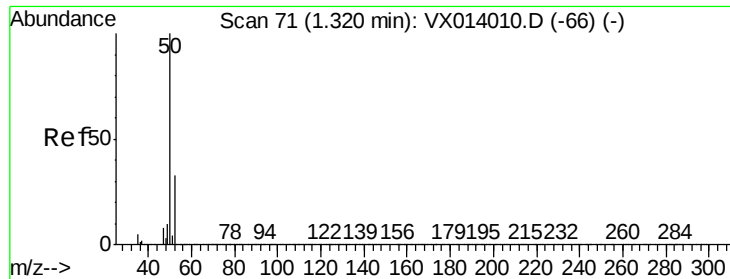


#2

Dichlorodifluoromethane  
 Concen: 6.291 ug/l  
 RT: 1.19 min Scan# 50  
 Delta R.T. 0.00 min  
 Lab File: VX014056.D  
 Acq: 17 Dec 2019 16:59

Tgt Ion: 85 Resp: 31725  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 16.4 49.2





#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

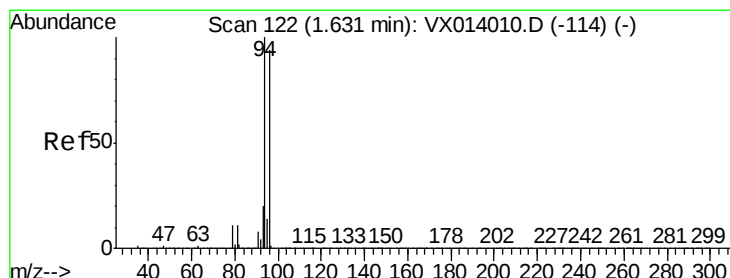
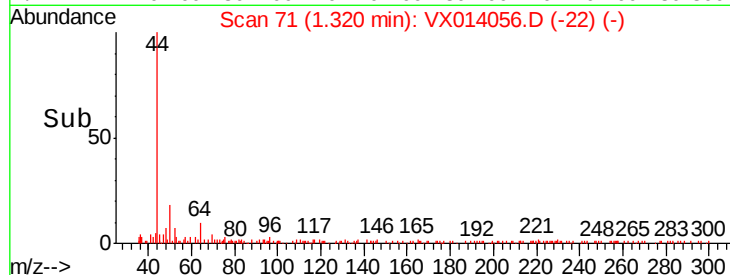
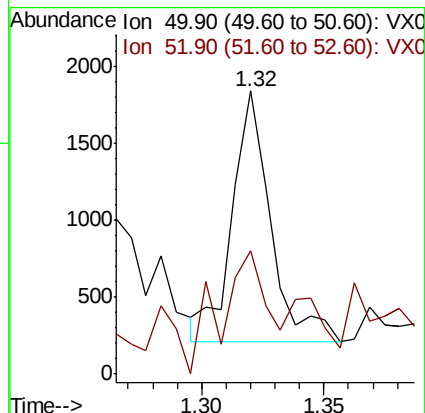
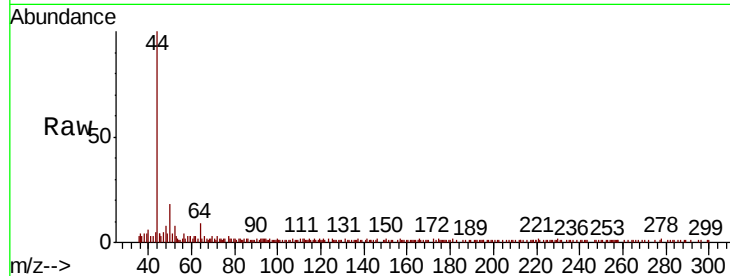
MW201D-20191207

Tot Ion: 50 Resp: 1758

Ion Ratio Lower Upper

50 100

52 39.0 26.2 39.4



#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014056.D

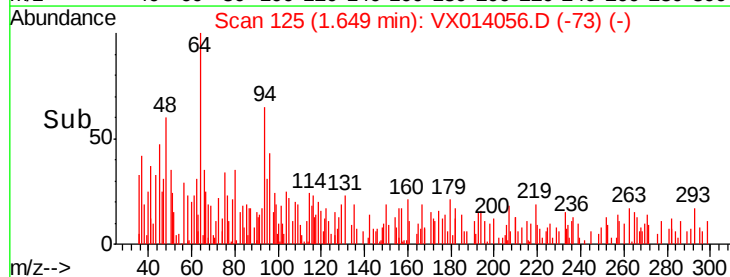
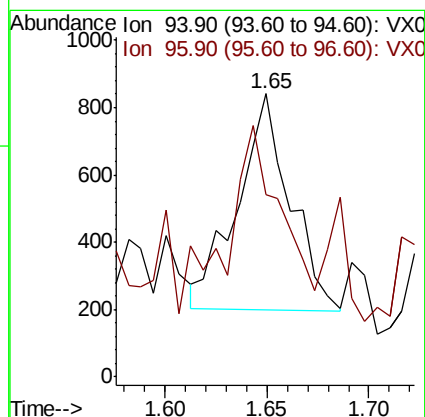
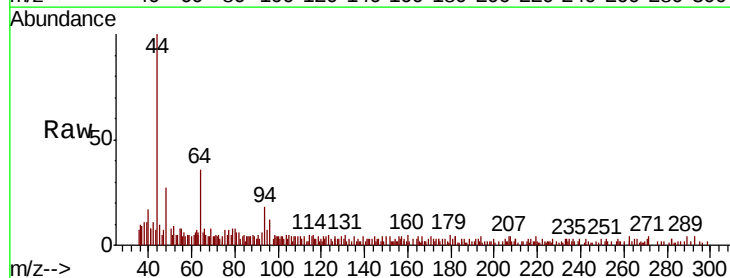
Acq: 17 Dec 2019 16:59

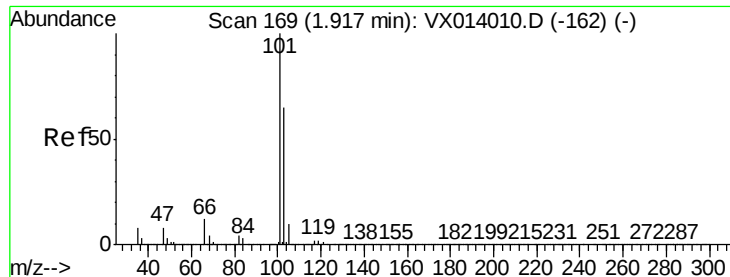
Tgt Ion: 94 Resp: 1149

Ion Ratio Lower Upper

94 100

96 23.9 75.2 112.8#



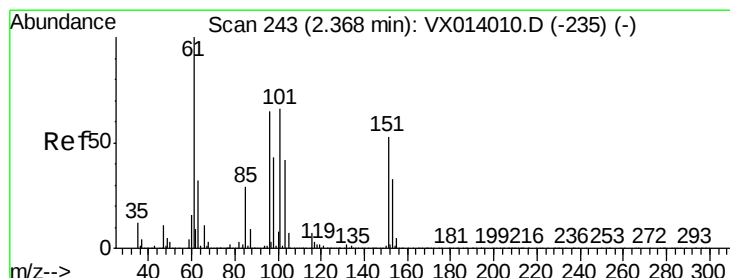
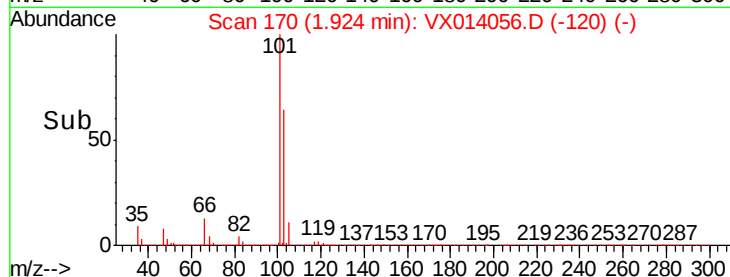
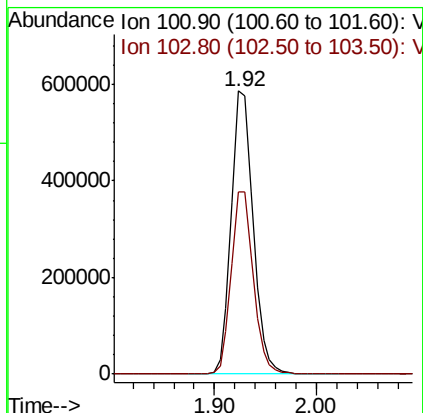
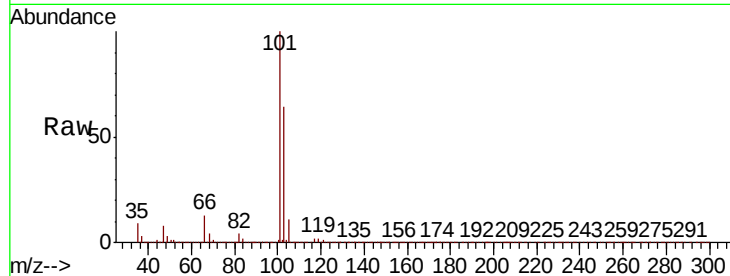


#7

Trichlorofluoromethane  
 Concen: 98.468 ug/l  
 RT: 1.92 min Scan# 170  
 Delta R.T. 0.01 min  
 Lab File: VX014056.D  
 Acq: 17 Dec 2019 16:59

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW201D-20191207

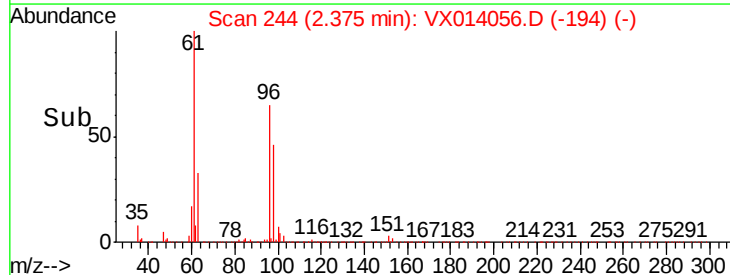
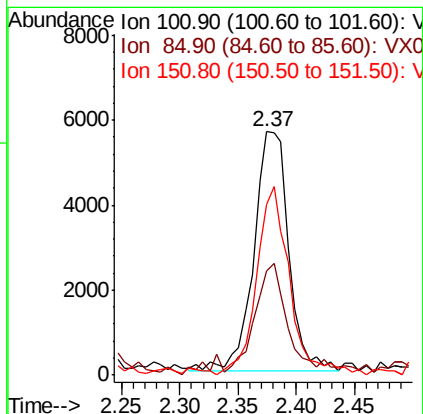
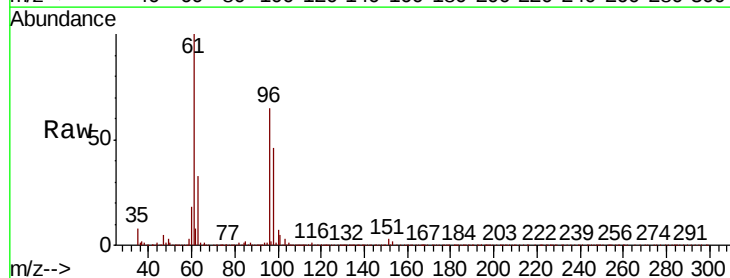
Tot Ion:101 Resp: 870478  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 52.2 78.4

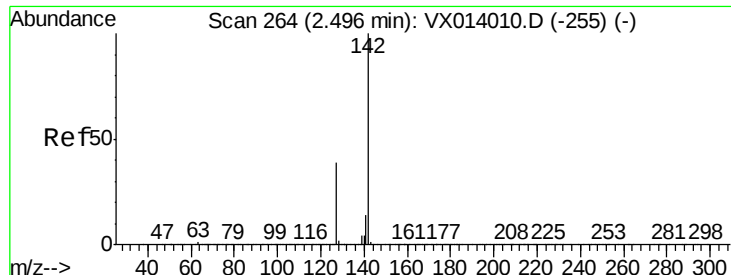


#9

1,1,2-Trichlorotrifluoroethane  
 Concen: 2.216 ug/l  
 RT: 2.37 min Scan# 244  
 Delta R.T. 0.01 min  
 Lab File: VX014056.D  
 Acq: 17 Dec 2019 16:59

Tgt Ion:101 Resp: 11809  
 Ion Ratio Lower Upper  
 101 100  
 85 40.0 33.7 50.5  
 151 75.0 64.5 96.7

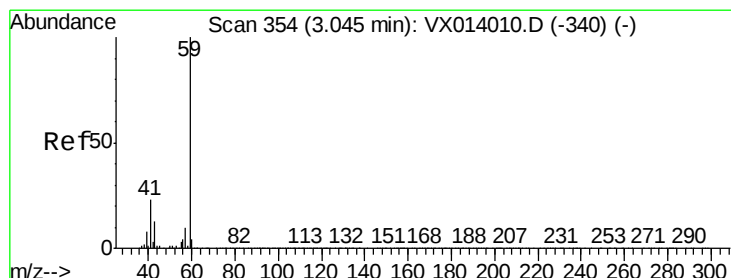
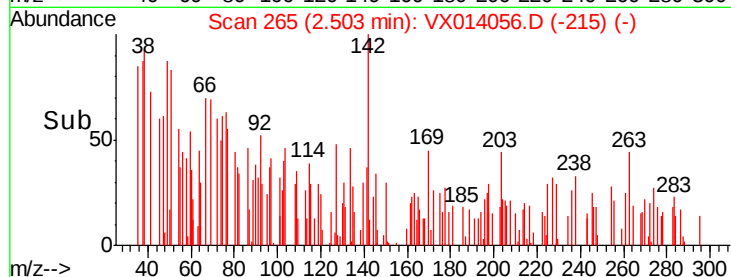
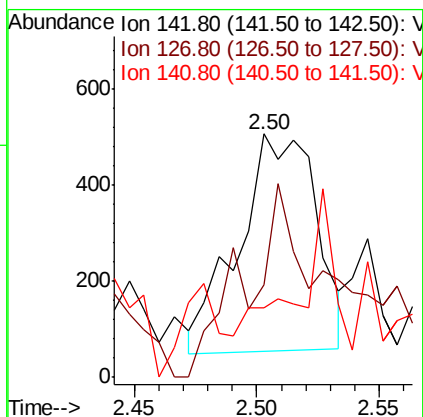
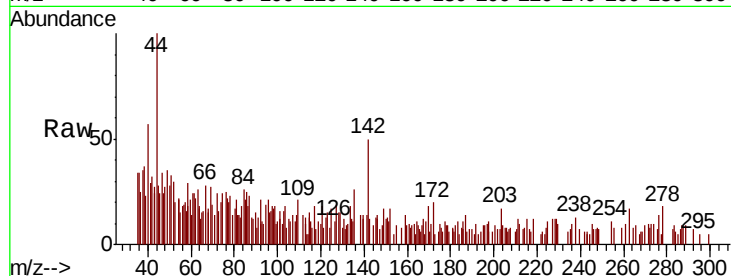




#10  
Methvl Iodide  
Concen: 2.755 ug/l  
RT: 2.50 min Scan# 265  
Delta R.T. 0.01 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

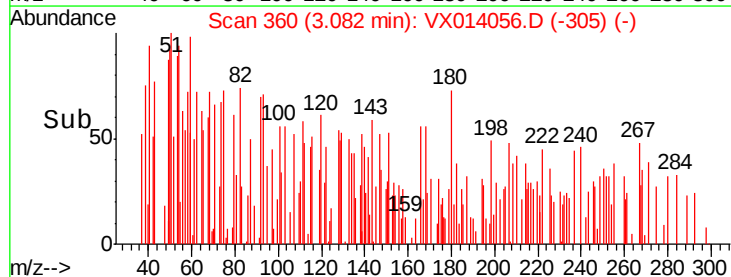
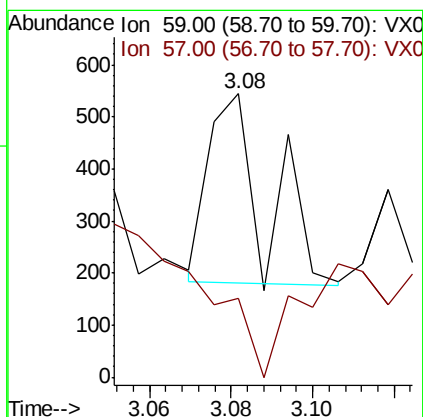
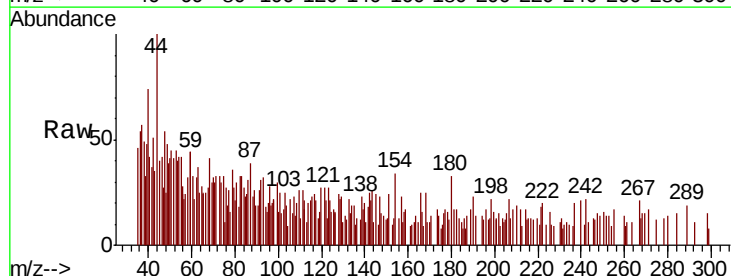
Instrument :  
MSVOA\_X  
ClientSampleId :  
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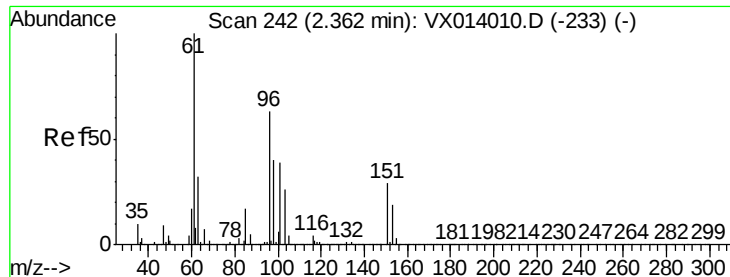
Tot Ion:142 Resp: 997  
Ion Ratio Lower Upper  
142 100  
127 95.8 31.6 47.4#  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 0.257 ug/l  
RT: 3.08 min Scan# 360  
Delta R.T. 0.04 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

Tgt Ion: 59 Resp: 355  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.4 12.6#





#12

1,1-Dichloroethene

Concen: 30.469 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW201D-20191207

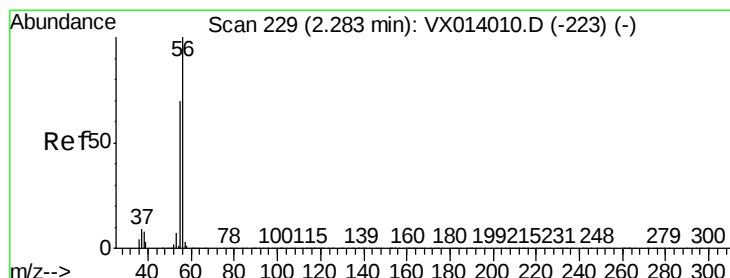
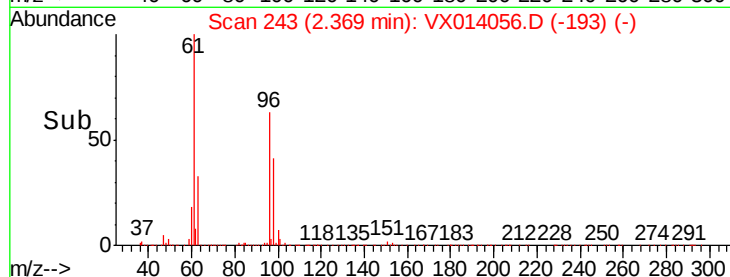
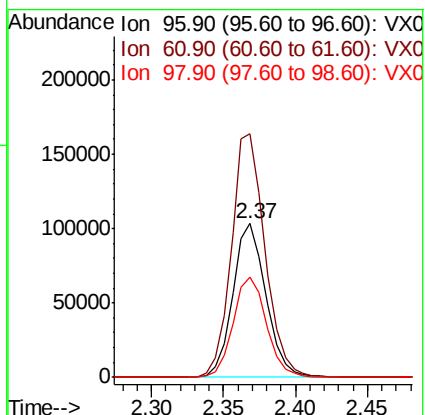
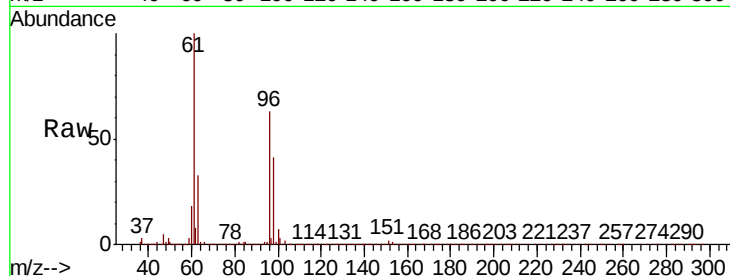
Tot Ion: 96 Resp: 165218

Ion Ratio Lower Upper

96 100

61 158.5 127.9 191.9

98 64.9 50.5 75.7



#13

Acrolein

Concen: 0.737 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX014056.D

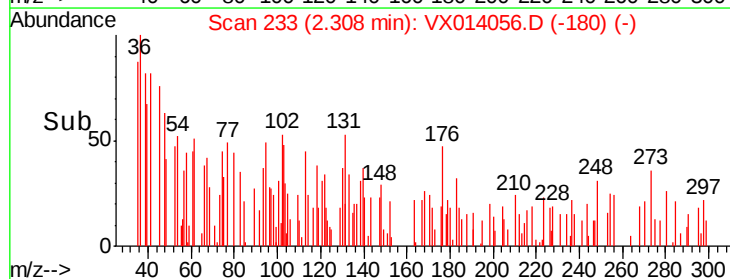
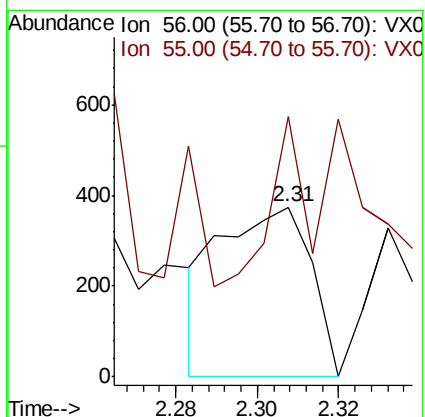
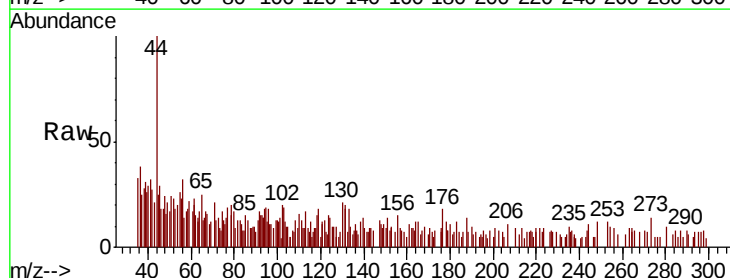
Acq: 17 Dec 2019 16:59

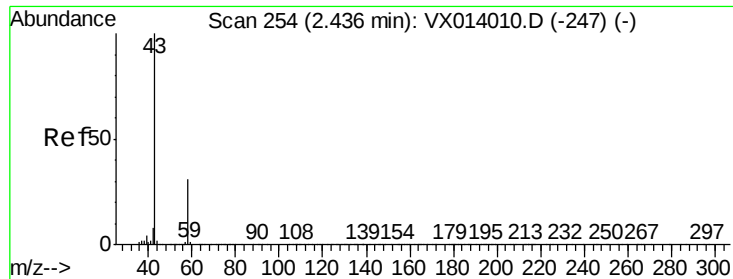
Tgt Ion: 56 Resp: 582

Ion Ratio Lower Upper

56 100

55 29.7 56.9 85.3#

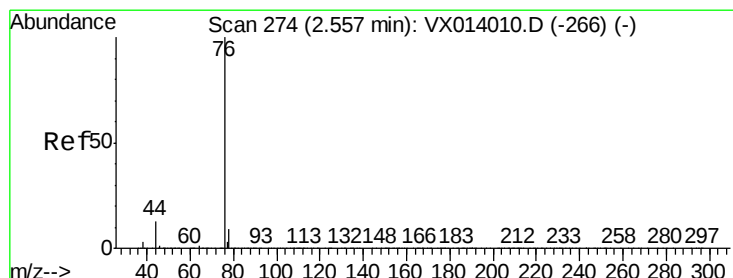
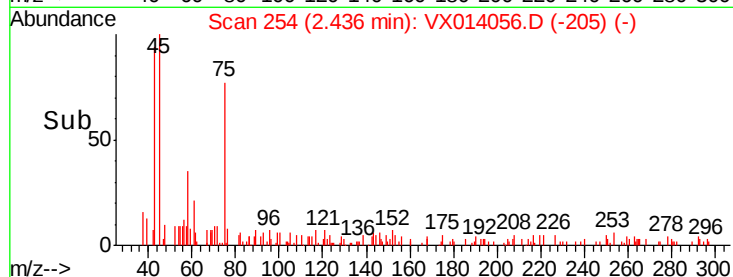
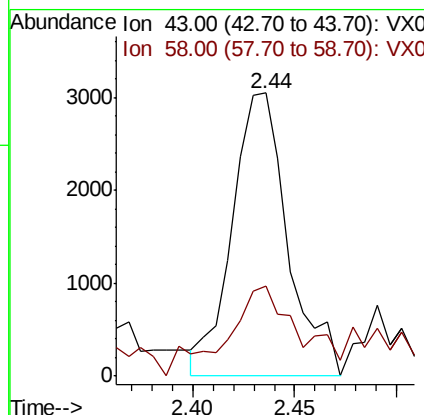
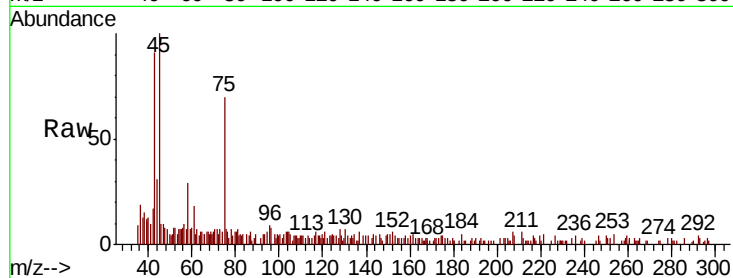




#16  
Acetone  
Concen: 1.400 ug/l  
RT: 2.44 min Scan# 254  
Delta R.T. 0.00 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

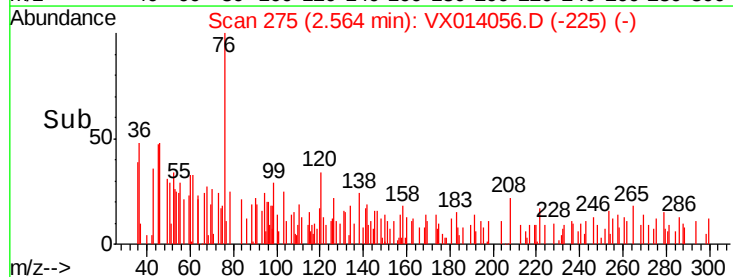
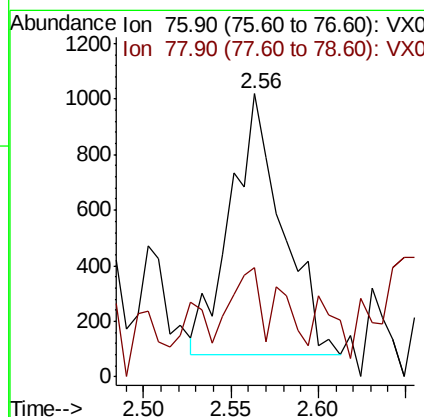
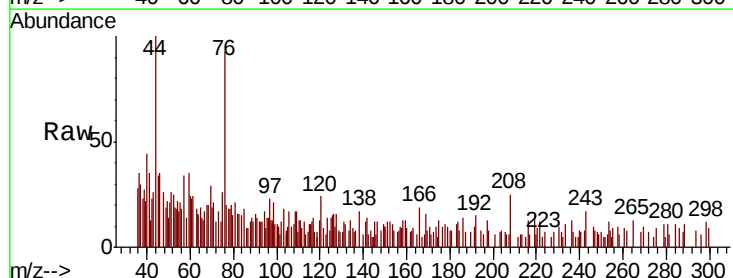
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MSVOA\_X  
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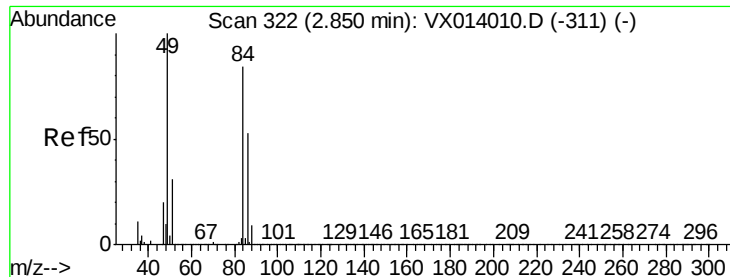
Tot Ion: 43 Resp: 5807  
Ion Ratio Lower Upper  
43 100  
58 23.6 24.9 37.3#



#17  
Carbon Disulfide  
Concen: 0.877 ug/l  
RT: 2.56 min Scan# 275  
Delta R.T. 0.01 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

Tgt Ion: 76 Resp: 1940  
Ion Ratio Lower Upper  
76 100  
78 20.2 7.2 10.8#

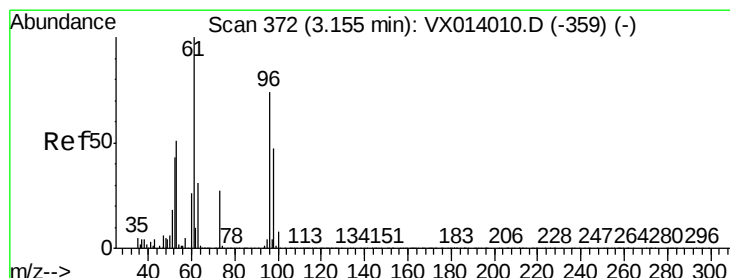
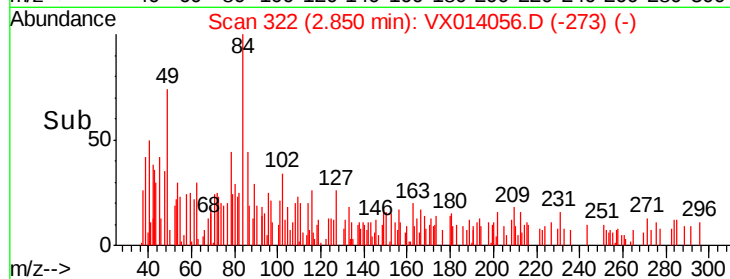
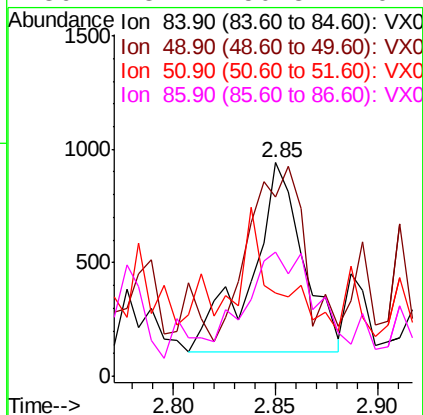
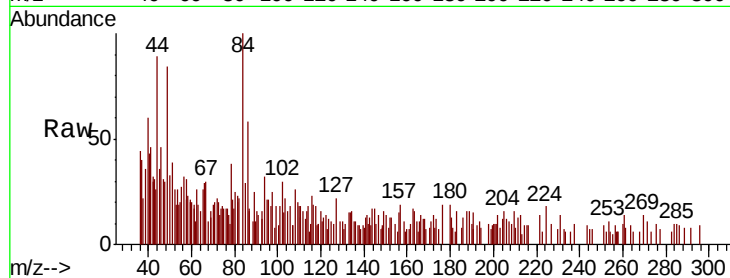




#20  
Methvlene Chloride  
Concen: 0.229 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.00 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

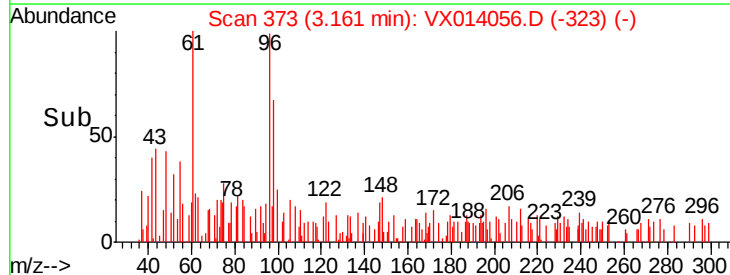
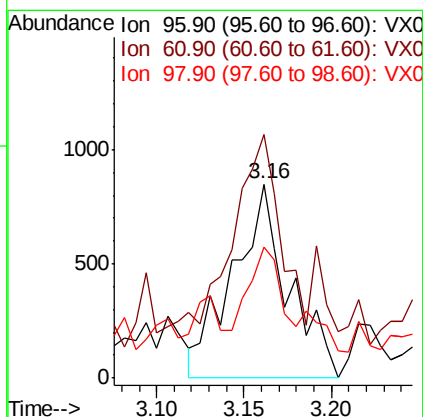
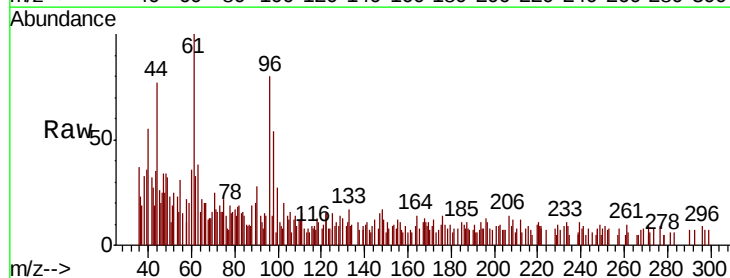
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW201D-20191207

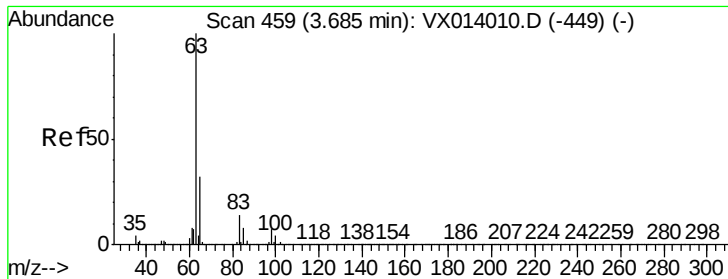
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 1493   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 50.5  | 95.8  | 143.6# |
| 51       | 21.7  | 29.8  | 44.8#  |
| 86       | 48.7  | 50.8  | 76.2#  |



#21  
trans-1,2-Dichloroethene  
Concen: 0.315 ug/l  
RT: 3.16 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 1882   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 101.8 | 108.3 | 162.5# |
| 98       | 45.3  | 50.8  | 76.2#  |





#24

1,1-Dichloroethane

Concen: 3.094 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

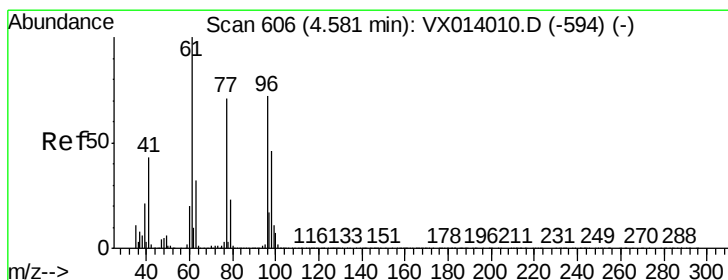
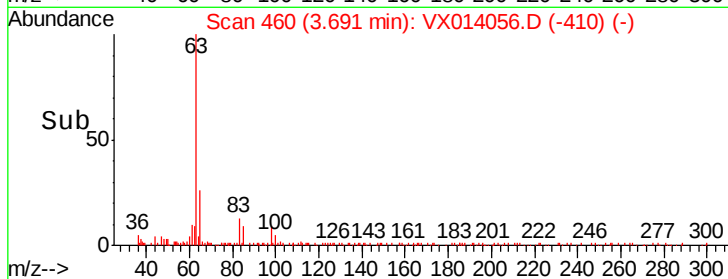
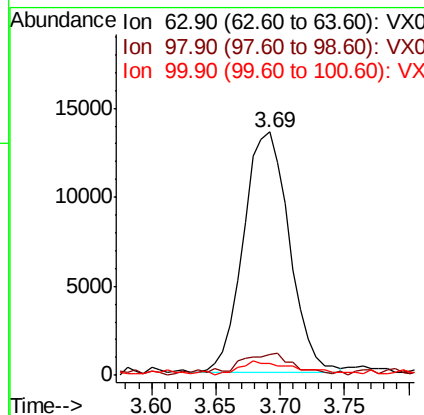
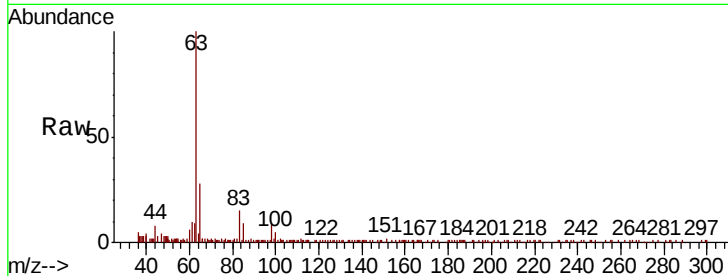
Instrument :

MSVOA\_X

ClientSampleId :

MW201D-20191207

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 33207 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 7.5   | 3.6   | 10.8  |
| 100      | 4.3   | 2.3   | 6.8   |



#27

cis-1,2-Dichloroethene

Concen: 2.283 ug/l

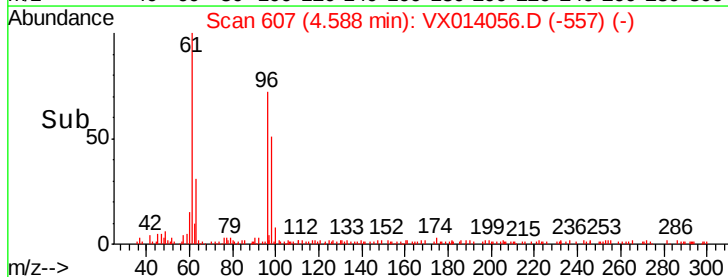
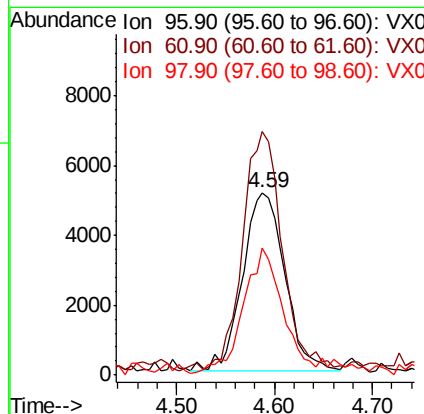
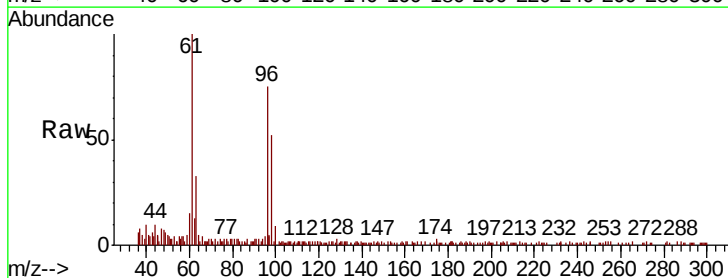
RT: 4.59 min Scan# 607

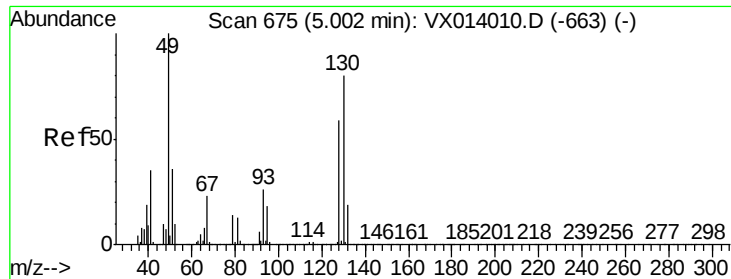
Delta R.T. 0.01 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 15427 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 122.2 | 0.0   | 288.4 |
| 98       | 64.1  | 0.0   | 129.6 |

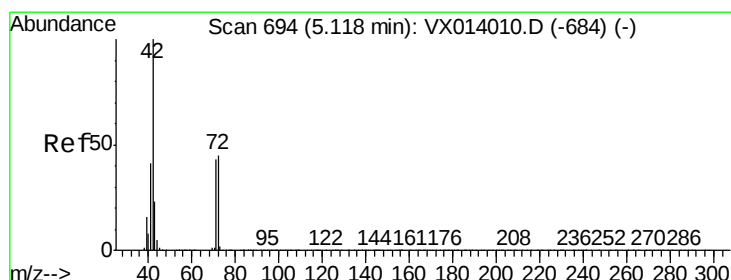
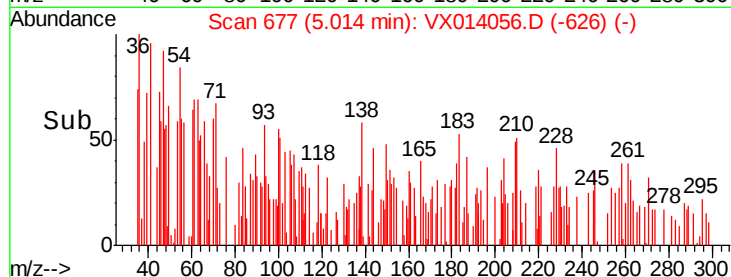
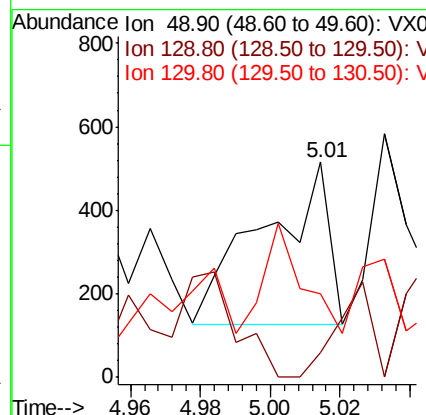
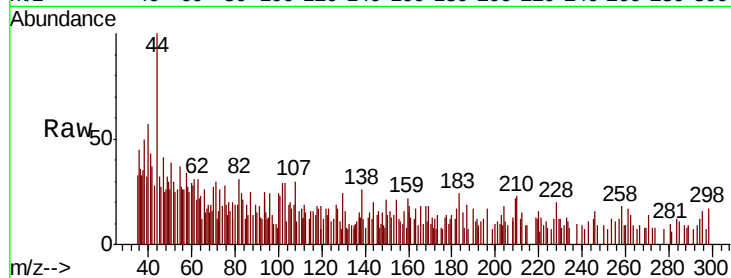




#28  
Bromochloromethane  
Concen: 0.576 ug/l  
RT: 5.01 min Scan# 677  
Delta R.T. 0.01 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

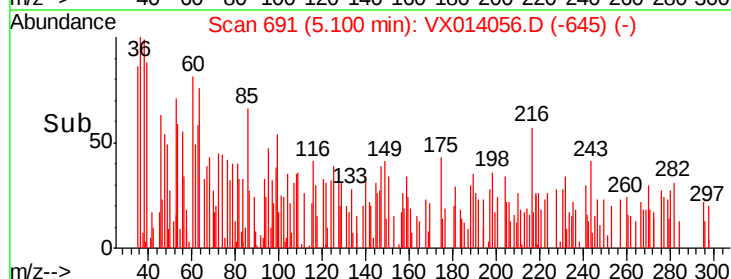
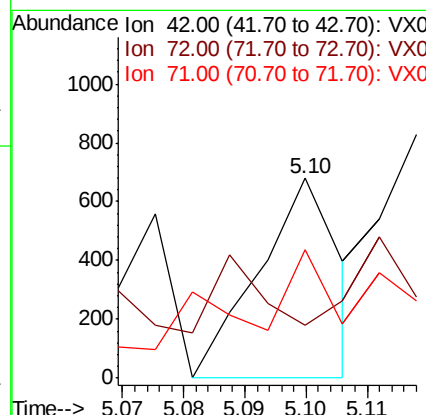
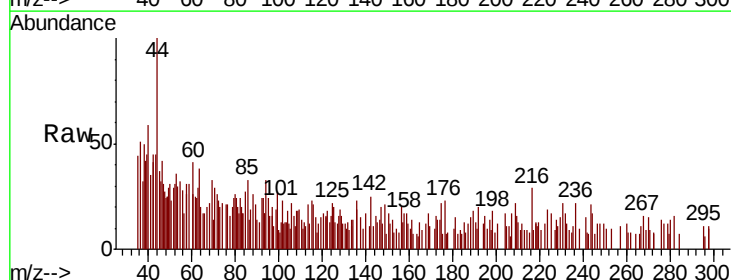
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW201D-20191207

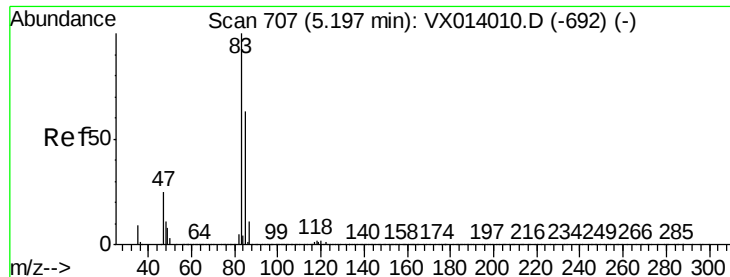
Tot Ion: 49 Resp: 510  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 5.0  
130 49.0 64.6 97.0#



#29  
Tetrahydrofuran  
Concen: 0.217 ug/l  
RT: 5.10 min Scan# 691  
Delta R.T. -0.02 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

Tgt Ion: 42 Resp: 622  
Ion Ratio Lower Upper  
42 100  
72 28.1 35.8 53.8#  
71 48.2 33.6 50.4





#30

Chloroform

Concen: 3.611 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

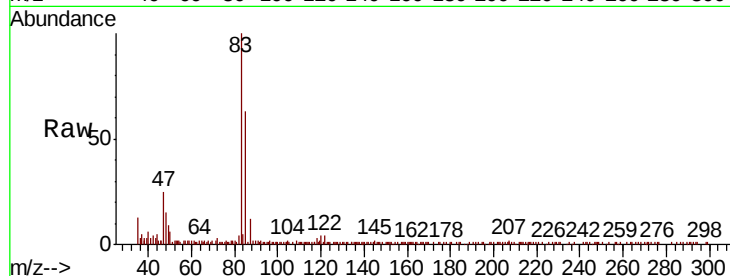
MW201D-20191207

Tot Ion: 83 Resp: 36746

Ion Ratio Lower Upper

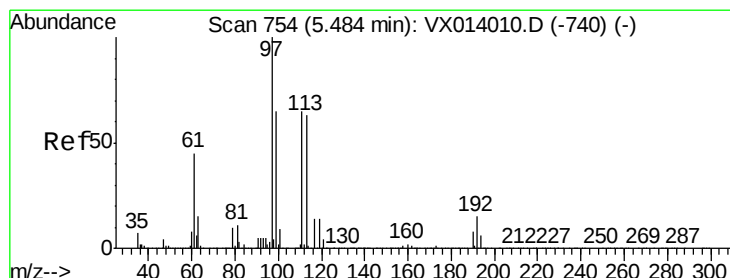
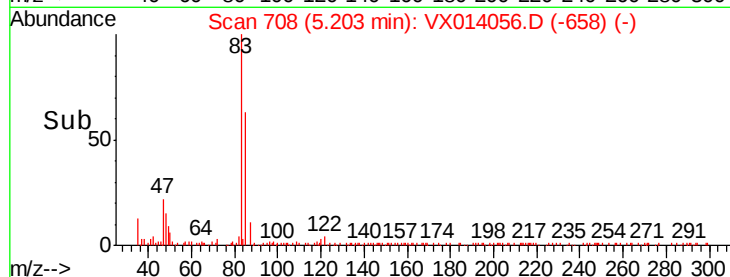
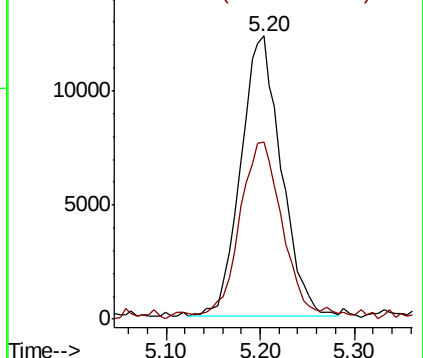
83 100

85 61.5 50.8 76.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#32

1,1,1-Trichloroethane

Concen: 4.955 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

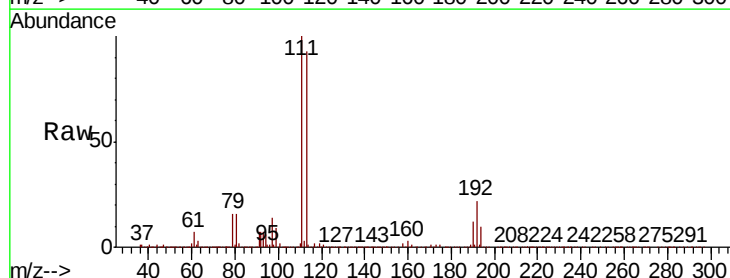
Tgt Ion: 97 Resp: 42968

Ion Ratio Lower Upper

97 100

99 66.9 52.0 78.0

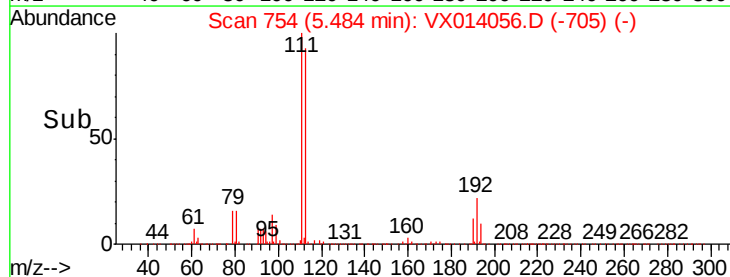
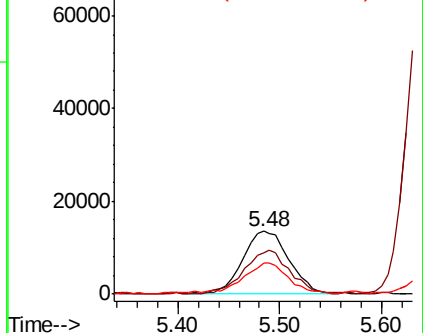
61 47.2 36.7 55.1

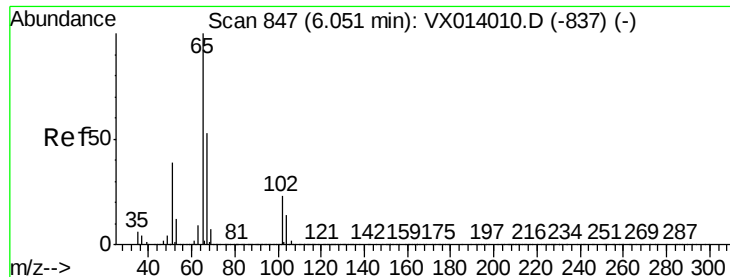


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.940 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

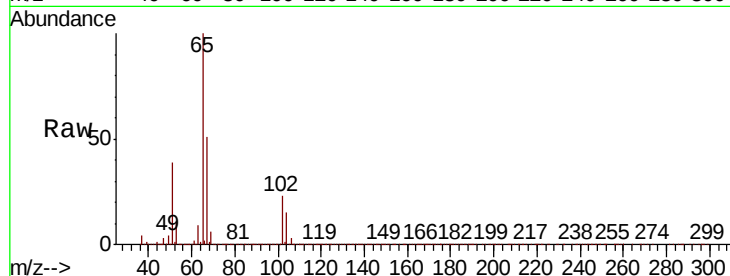
MW201D-20191207

Tot Ion: 65 Resp: 319054

Ion Ratio Lower Upper

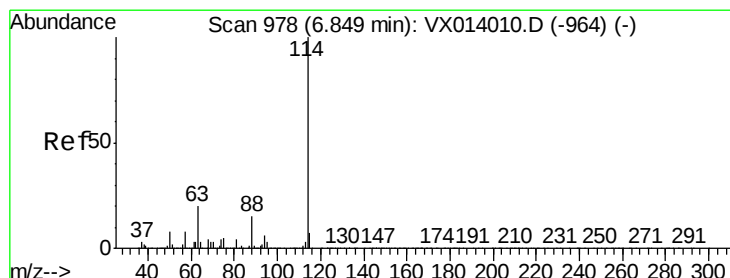
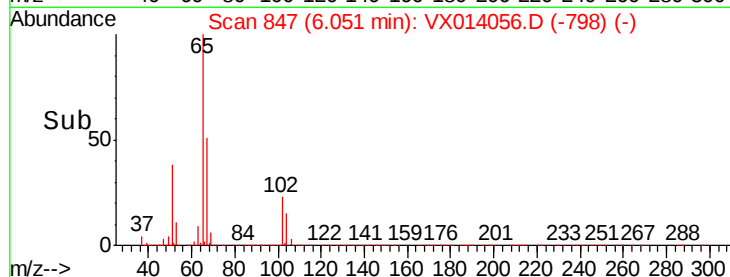
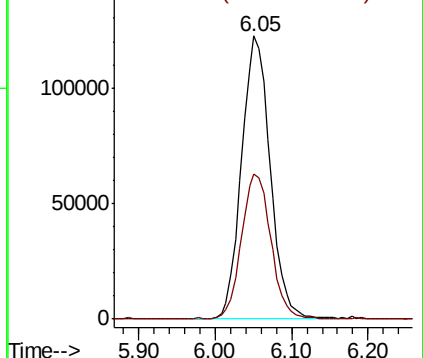
65 100

67 52.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

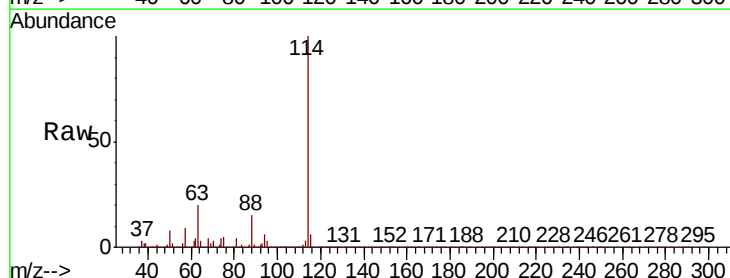
Tgt Ion: 114 Resp: 865170

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

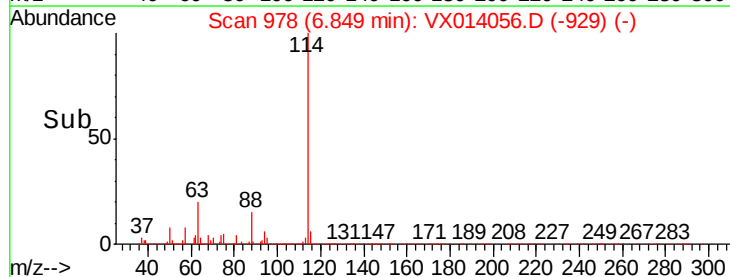
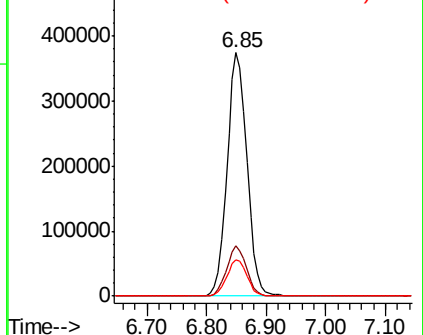
88 14.7 0.0 30.4

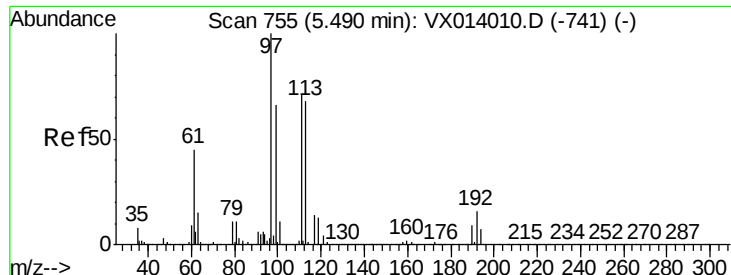


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

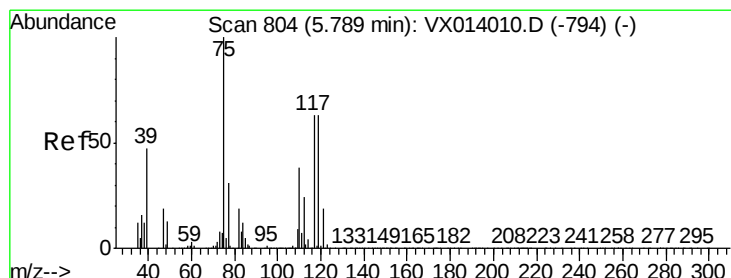
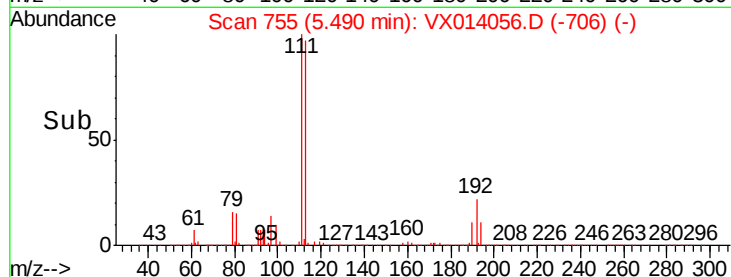
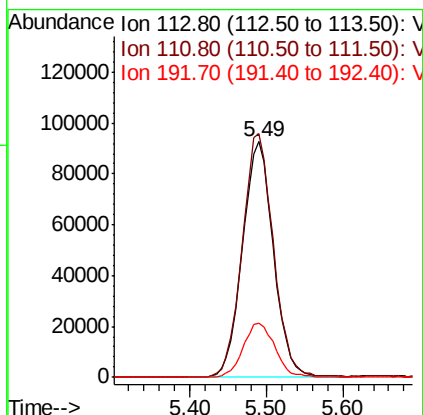
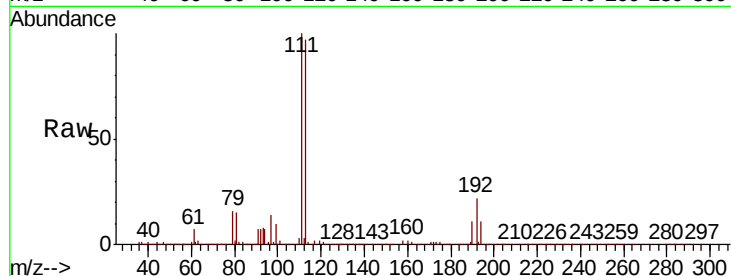




#35  
Dibromofluoromethane  
Concen: 49.450 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

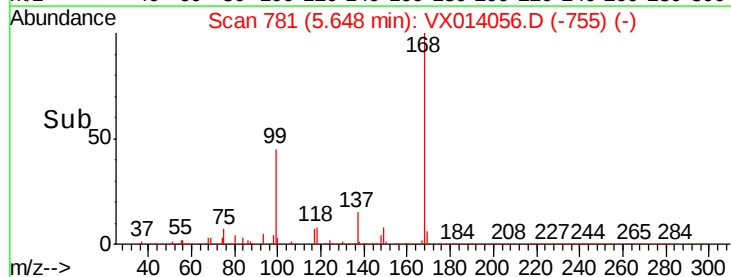
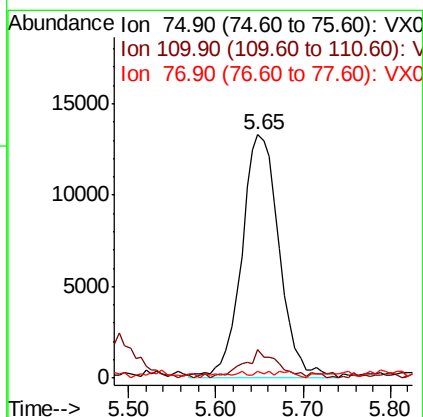
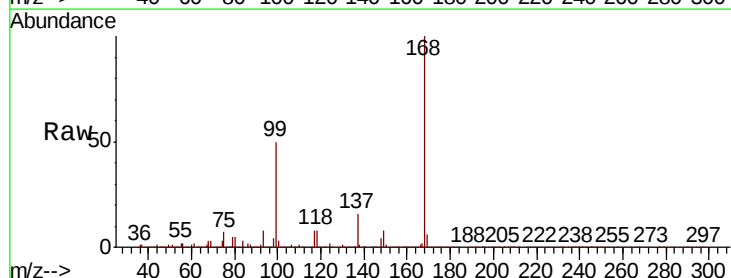
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW201D-20191207

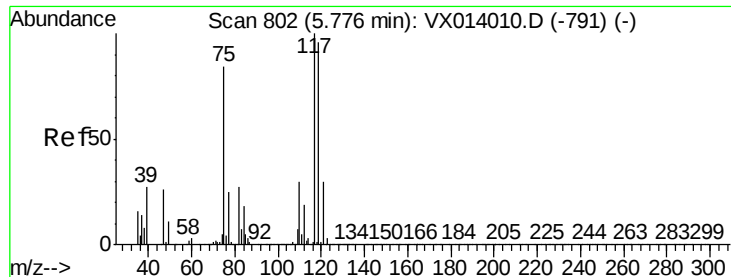
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 82.0  | 123.0 |
| 192     | 23.3  | 19.3  | 28.9  |



#36  
1,1-Dichloropropene  
Concen: 5.015 ug/l  
RT: 5.65 min Scan# 781  
Delta R.T. -0.14 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 10.3  | 18.3  | 54.9# |
| 77      | 0.8   | 24.8  | 37.2# |





#38

Carbon Tetrachloride

Concen: 6.794 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

MW201D-20191207

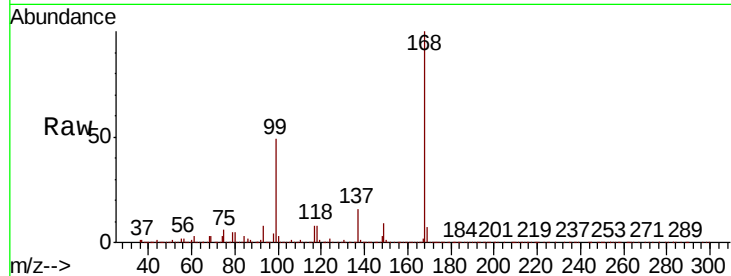
Tot Ion:117 Resp: 49135

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.4#

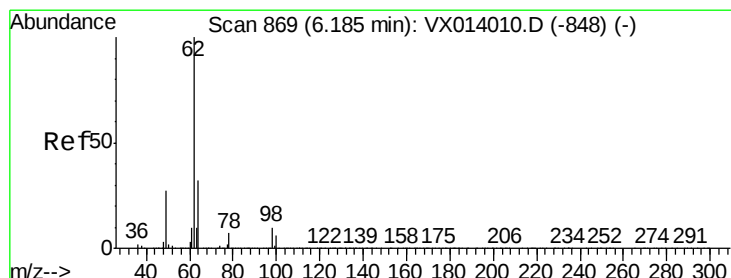
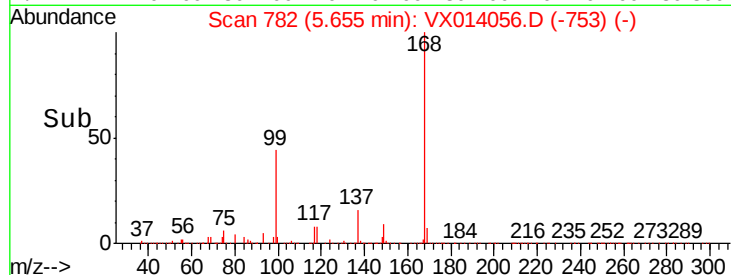
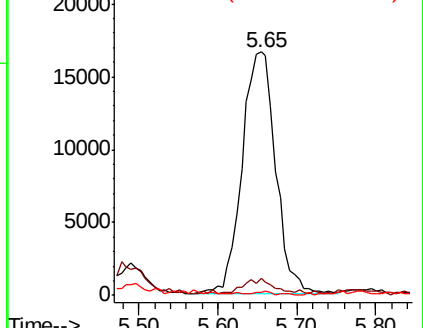
121 0.5 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.336 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX014056.D

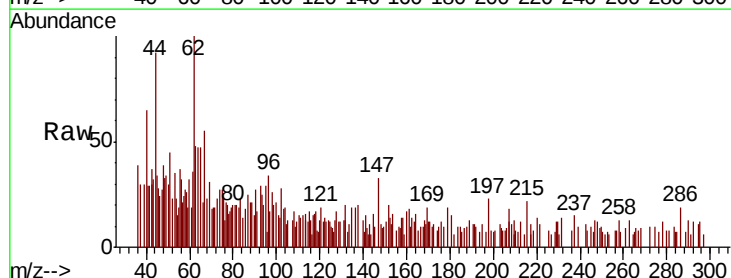
Acq: 17 Dec 2019 16:59

Tgt Ion: 62 Resp: 2783

Ion Ratio Lower Upper

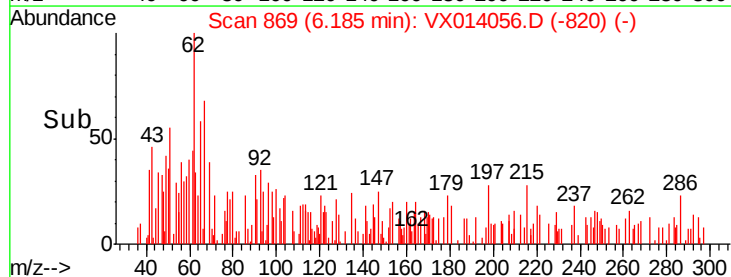
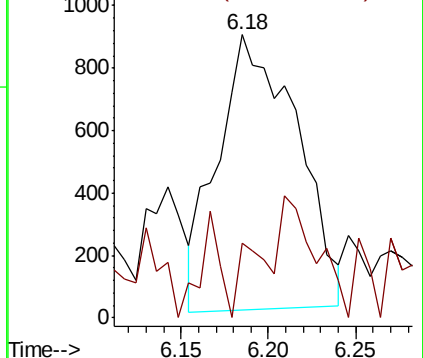
62 100

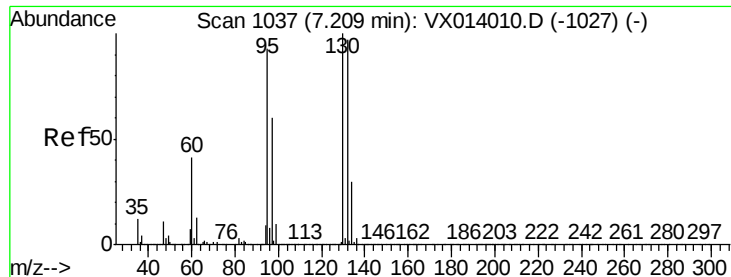
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 61.224 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

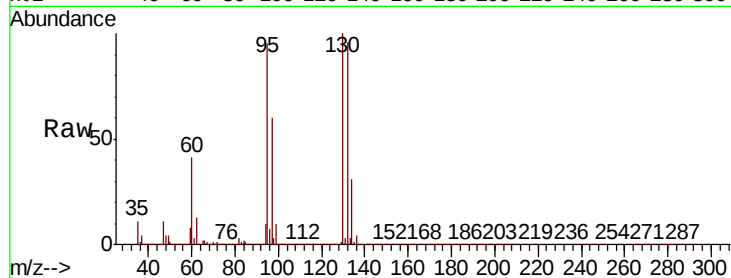
MW201D-20191207

Tot Ion:130 Resp: 413051

Ion Ratio Lower Upper

130 100

95 94.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

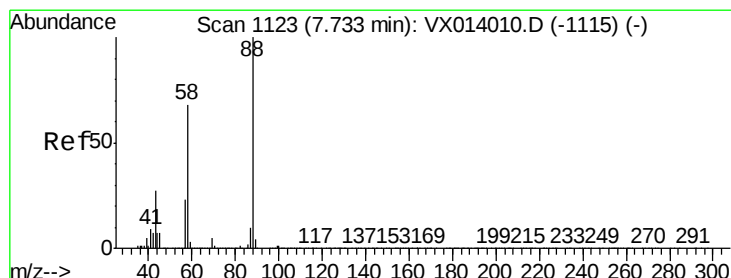
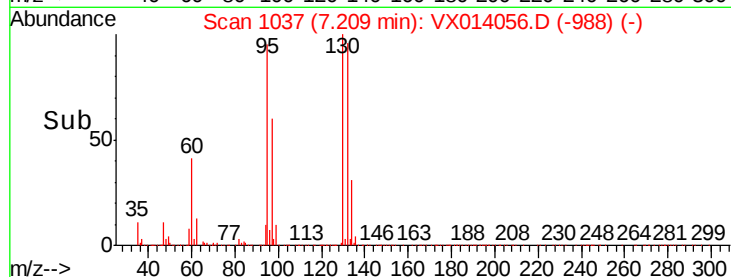
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 20.364 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

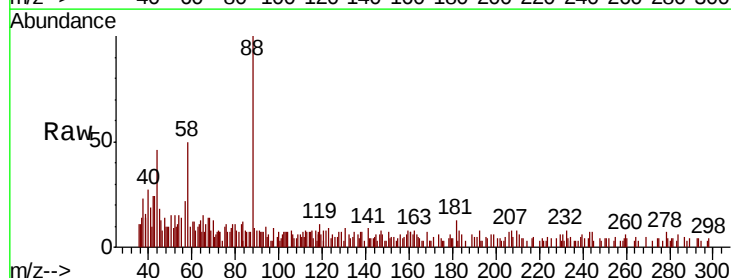
Tgt Ion: 88 Resp: 2944

Ion Ratio Lower Upper

88 100

43 47.3 26.5 39.7#

58 66.7 56.8 85.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

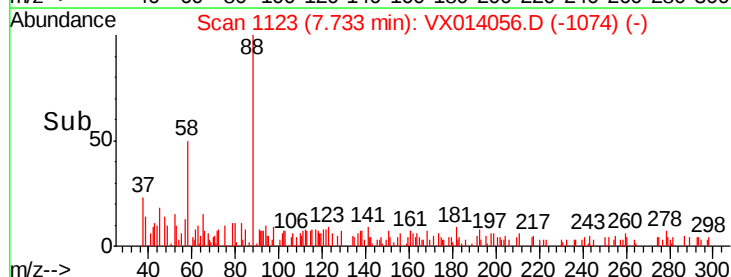
1500

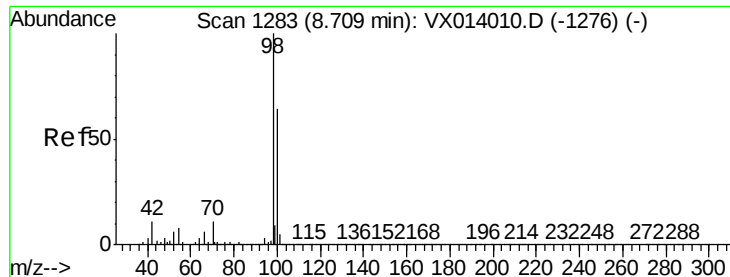
1000

500

0

Time-->





#50

Toluene-d8

Concen: 49.985 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

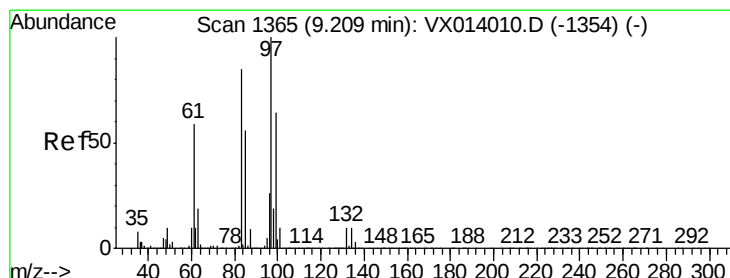
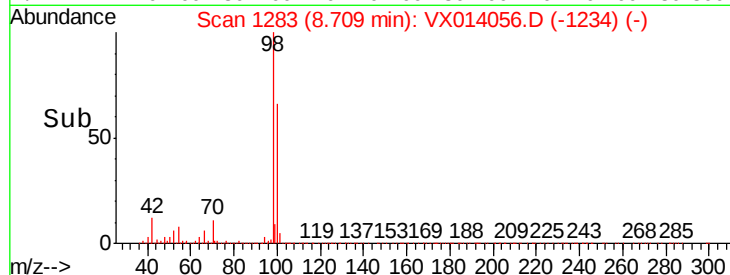
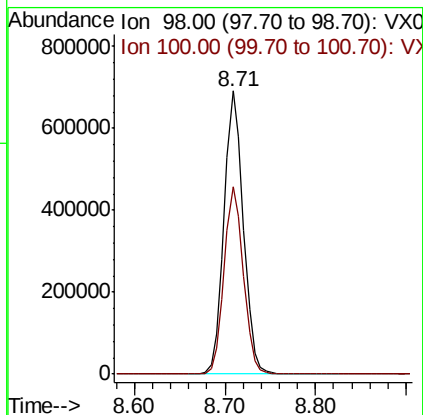
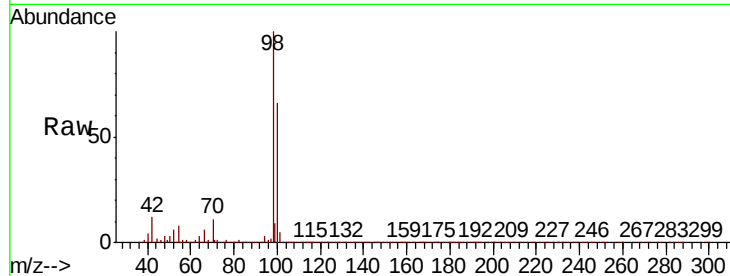
MW201D-20191207

Tot Ion: 98 Resp: 1023469

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.405 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Tgt Ion: 97 Resp: 2503

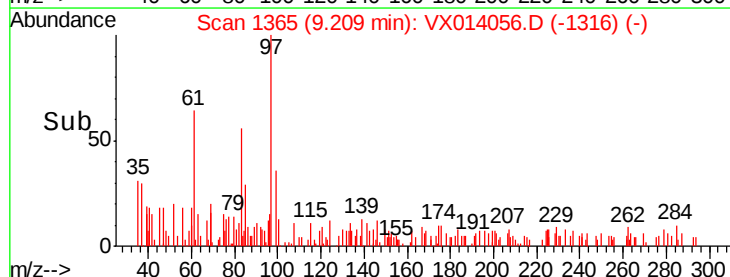
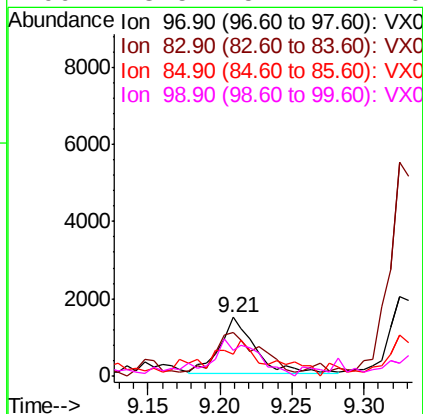
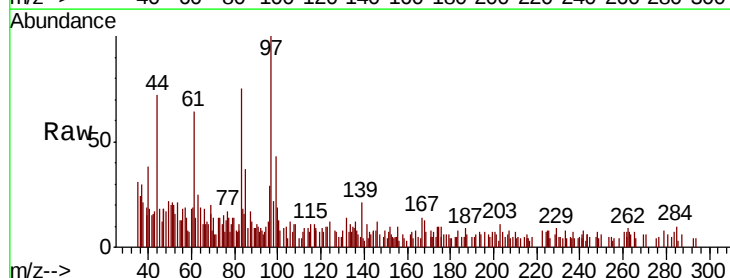
Ion Ratio Lower Upper

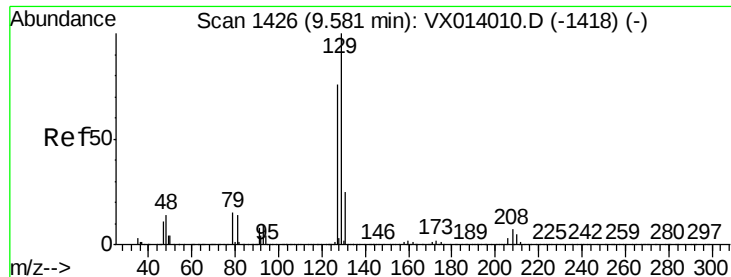
97 100

83 70.9 68.2 102.4

85 24.0 44.6 66.8#

99 23.5 51.4 77.0#

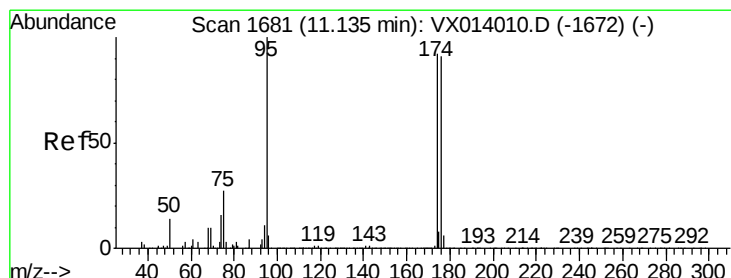
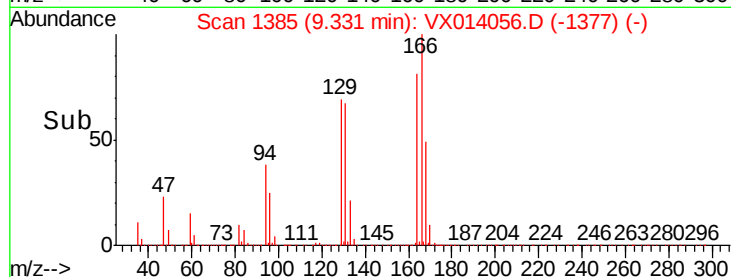
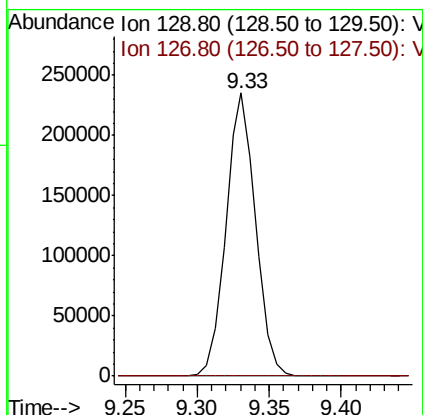
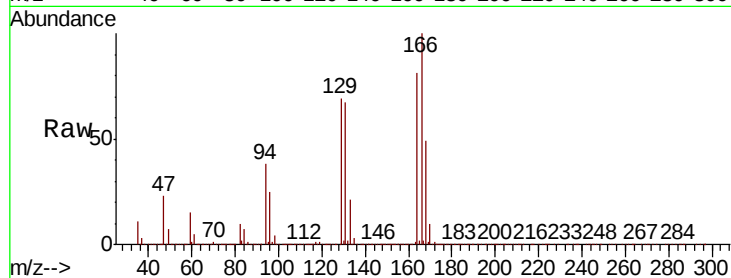




#60  
 Dibromochloromethane  
 Concen: 54.716 ug/l  
 RT: 9.33 min Scan# 1385  
 Delta R.T. -0.25 min  
 Lab File: VX014056.D  
 Acq: 17 Dec 2019 16:59

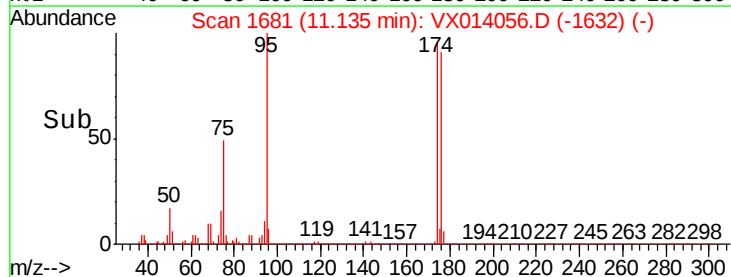
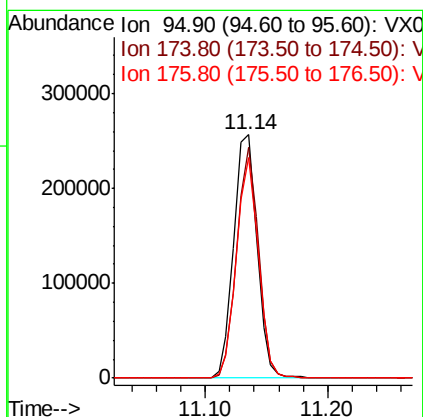
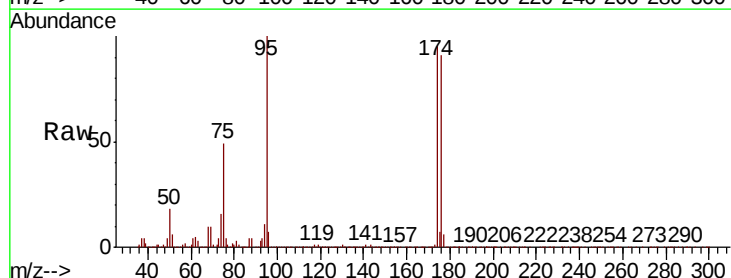
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW201D-20191207

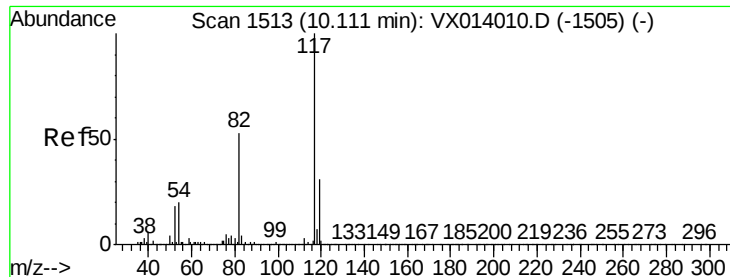
Tot Ion:129 Resp: 336533  
 Ion Ratio Lower Upper  
 129 100  
 127 0.1 38.4 115.2#



#62  
 4-Bromofluorobenzene  
 Concen: 45.189 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.00 min  
 Lab File: VX014056.D  
 Acq: 17 Dec 2019 16:59

Tgt Ion: 95 Resp: 338232  
 Ion Ratio Lower Upper  
 95 100  
 174 88.8 0.0 175.8  
 176 85.4 0.0 173.0

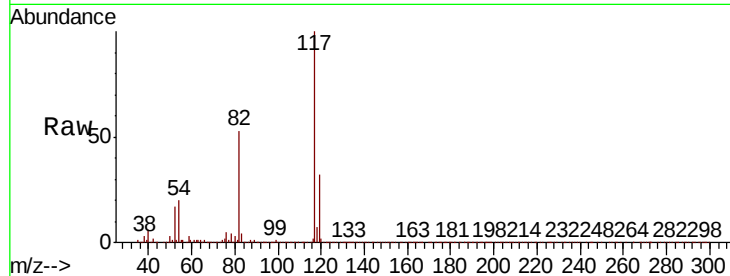




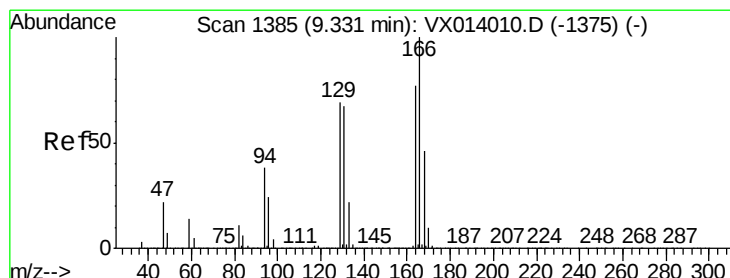
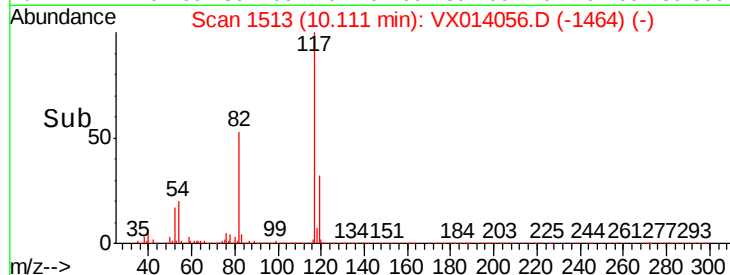
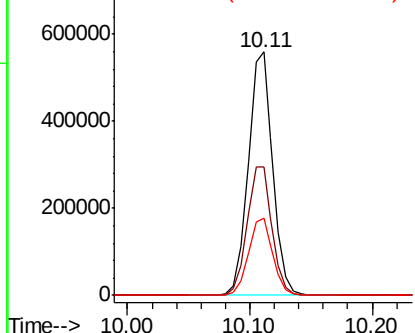
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW201D-20191207

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 42.2  | 63.4  |
| 119     | 31.6  | 25.1  | 37.7  |



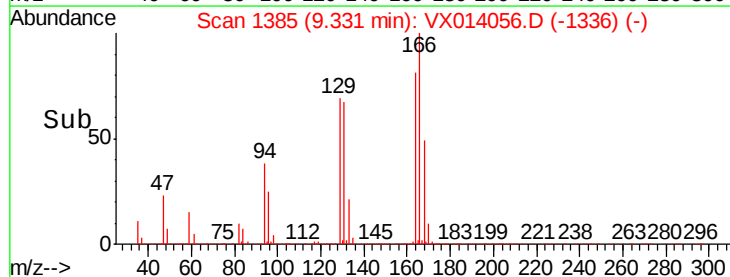
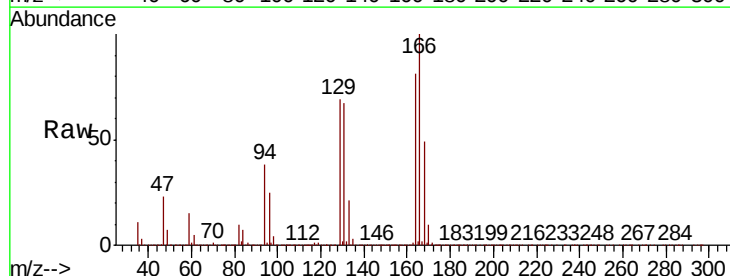
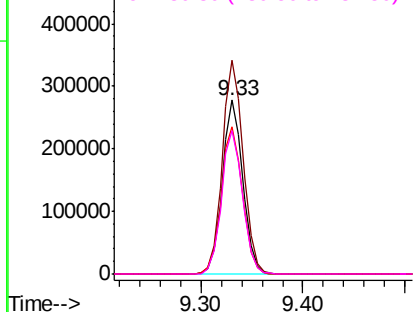
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

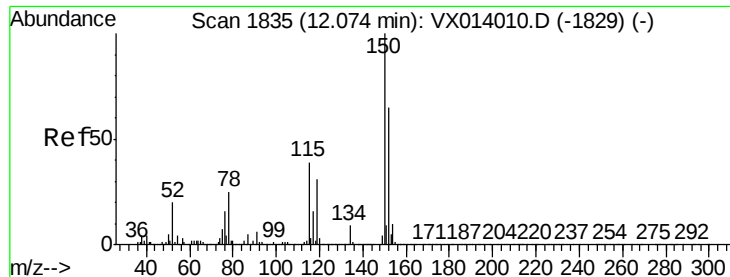


#64  
Tetrachloroethene  
Concen: 56.517 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014056.D  
Acq: 17 Dec 2019 16:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.0 | 104.0 | 156.0 |
| 129     | 84.7  | 72.2  | 108.4 |
| 131     | 82.5  | 69.6  | 104.4 |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

MW201D-20191207

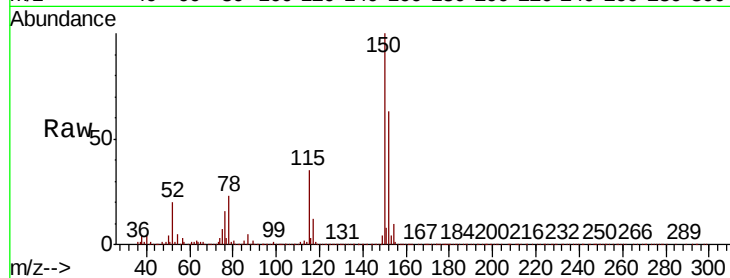
Tot Ion:152 Resp: 324040

Ion Ratio Lower Upper

152 100

115 55.9 38.3 114.9

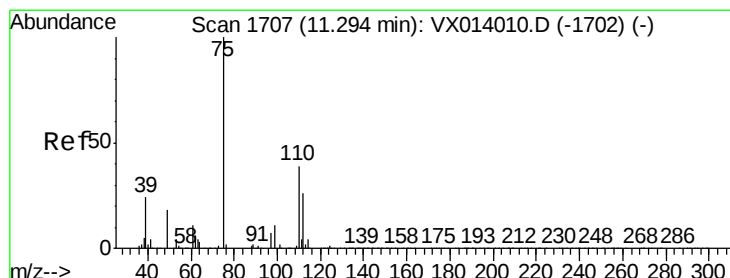
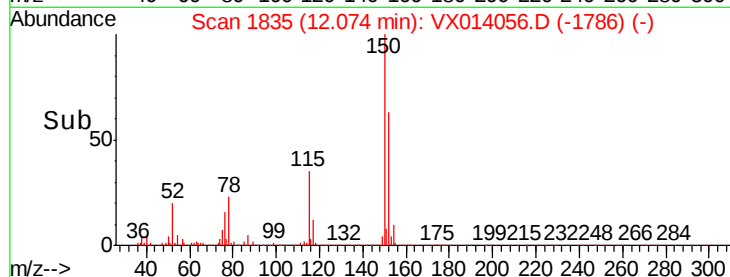
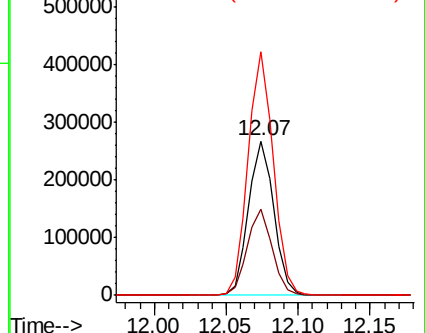
150 157.0 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.540 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014056.D

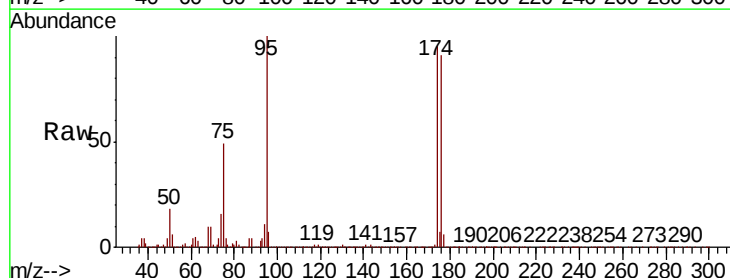
Acq: 17 Dec 2019 16:59

Tgt Ion: 75 Resp: 165599

Ion Ratio Lower Upper

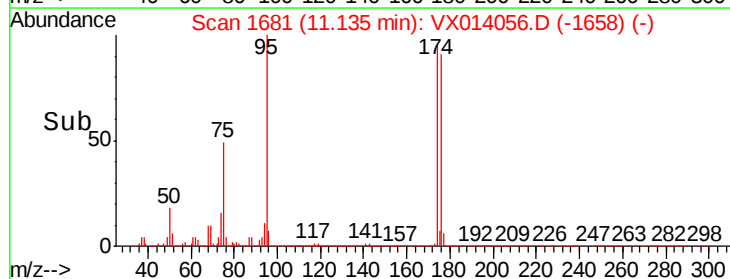
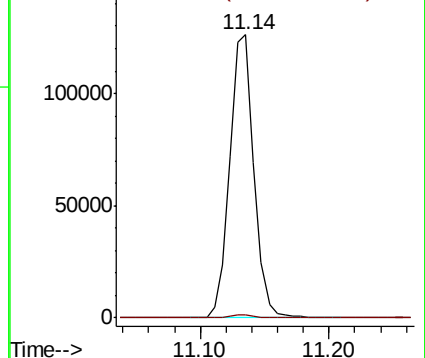
75 100

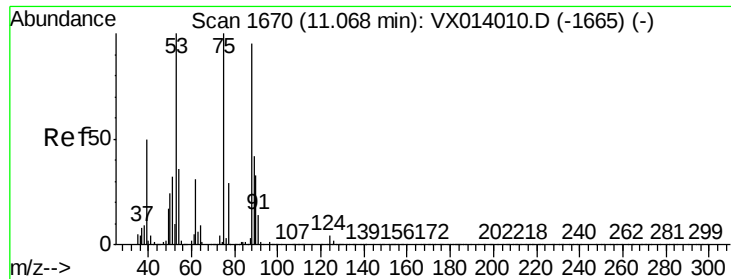
77 1.0 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.442 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA\_X

ClientSampleId :

MW201D-20191207

Tot Ion: 75 Resp: 165599

Ion Ratio Lower Upper

75 100

53 1.1 76.7 115.1#

89 0.1 34.6 51.8#

