

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040121\  
 Data File : VX021730.D  
 Acq On : 02 Apr 2021 10:06  
 Operator : JC/MD  
 Sample : VX0401WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0401WBL02

Quant Time: Apr 03 02:00:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

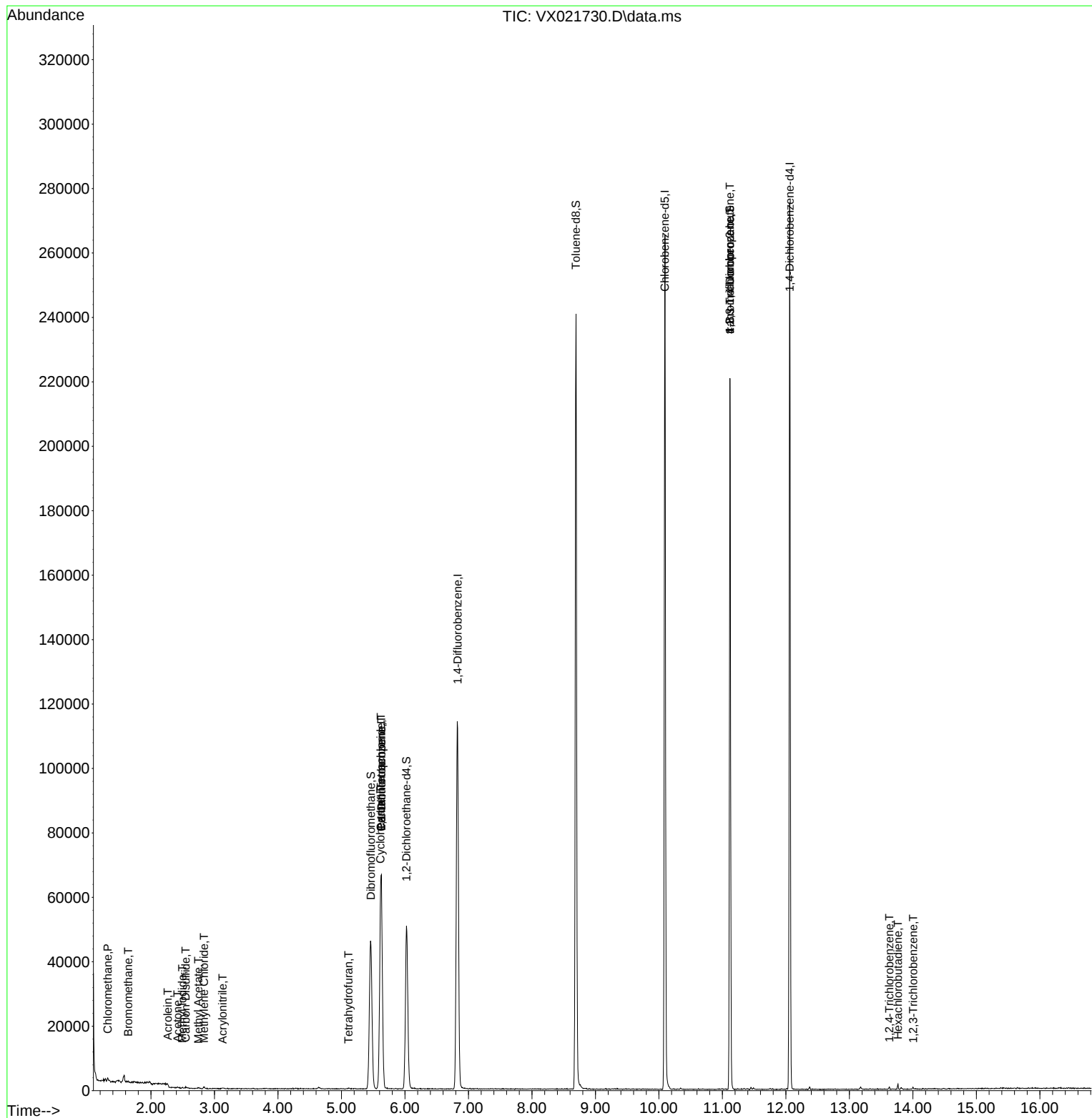
| Compound                      | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-----------|----------|
| -----                         |        |       |          |          |           |          |
| Internal Standards            |        |       |          |          |           |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 59468    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 109175   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 110243   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 49878    | 50.00    | ug/l      | 0.00     |
|                               |        |       |          |          |           |          |
| System Monitoring Compounds   |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4     | 6.023  | 65    | 49716    | 50.25    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 100.50% |          |
| 35) Dibromofluoromethane      | 5.464  | 113   | 38900    | 50.16    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.32% |          |
| 50) Toluene-d8                | 8.694  | 98    | 137339   | 49.70    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 99.40%  |          |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 55898    | 52.03    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 104.06% |          |
|                               |        |       |          |          |           |          |
| Target Compounds              |        |       |          |          |           | Qvalue   |
| 3) Chloromethane              | 1.317  | 50    | 1223     | 1.67     | ug/l      | 98       |
| 5) Bromomethane               | 1.640  | 94    | 57       | 0.21     | ug/l      | 88       |
| 10) Methyl Iodide             | 2.493  | 142   | 102      | 6.83     | ug/l #    | 42       |
| 13) Acrolein                  | 2.264  | 56    | 72       | 5.16     | ug/l #    | 24       |
| 15) Acrylonitrile             | 3.129  | 53    | 88       | 0.23     | ug/l #    | 66       |
| 16) Acetone                   | 2.417  | 43    | 405      | 1.08     | ug/l #    | 40       |
| 17) Carbon Disulfide          | 2.546  | 76    | 423      | 0.25     | ug/l #    | 75       |
| 18) Methyl Acetate            | 2.746  | 43    | 342      | 0.32     | ug/l #    | 47       |
| 20) Methylene Chloride        | 2.834  | 84    | 205      | 0.28     | ug/l #    | 74       |
| 29) Tetrahydrofuran           | 5.111  | 42    | 169      | 0.46     | ug/l #    | 27       |
| 31) Cyclohexane               | 5.611  | 56    | 1634     | 1.50     | ug/l #    | 32       |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 5514     | 5.15     | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 6502     | 5.66     | ug/l #    | 19       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 30456    | 26.23    | ug/l #    | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 30456    | 79.89    | ug/l #    | 12       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180   | 207      | 0.21     | ug/l      | 97       |
| 94) Hexachlorobutadiene       | 13.765 | 225   | 293      | 0.65     | ug/l      | 95       |
| 96) 1,2,3-Trichlorobenzene    | 14.006 | 180   | 202      | 0.20     | ug/l      | 95       |
| -----                         |        |       |          |          |           |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040121\  
Data File : VX021730.D  
Acq On : 02 Apr 2021 10:06  
Operator : JC/MD  
Sample : VX0401WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

Quant Time: Apr 03 02:00:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 24 12:25:26 2021  
Response via : Initial Calibration

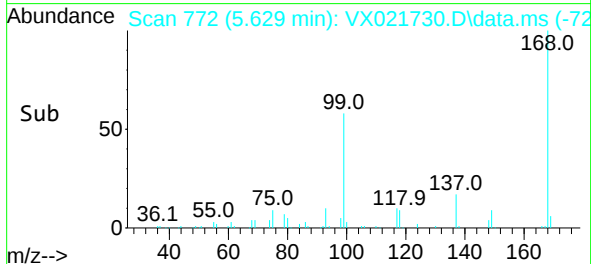
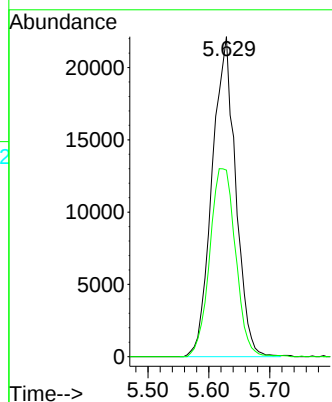
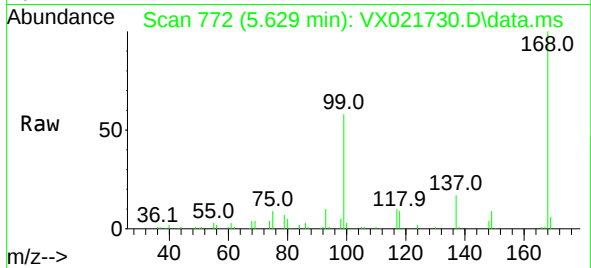




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

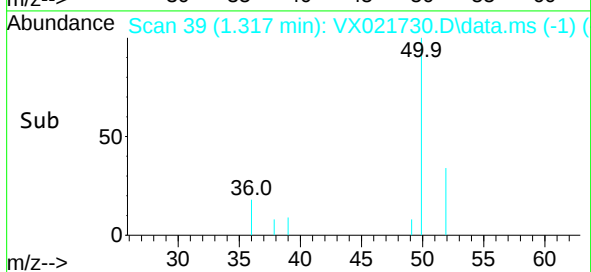
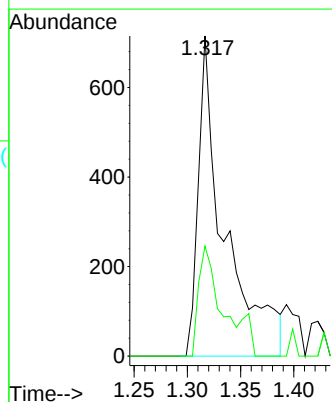
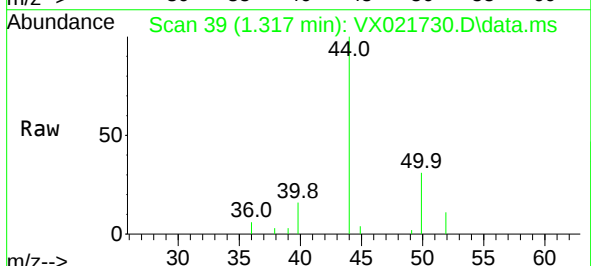
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

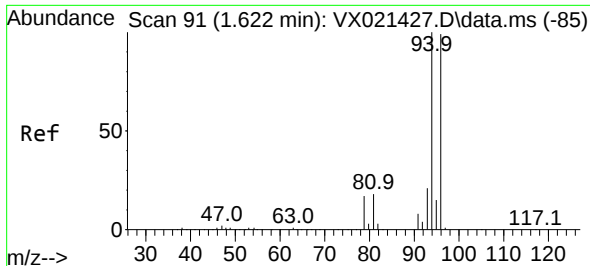
Tgt Ion:168 Resp: 59468  
Ion Ratio Lower Upper  
168 100  
99 58.3 45.8 68.6



#3  
Chloromethane  
Concen: 1.67 ug/l  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

Tgt Ion: 50 Resp: 1223  
Ion Ratio Lower Upper  
50 100  
52 34.4 26.4 39.6

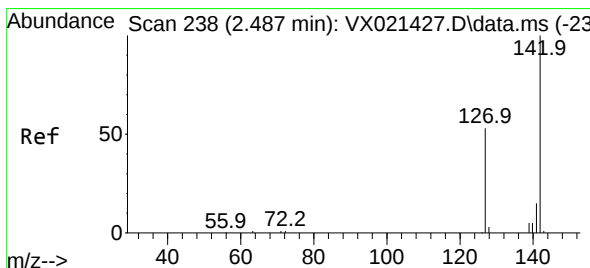
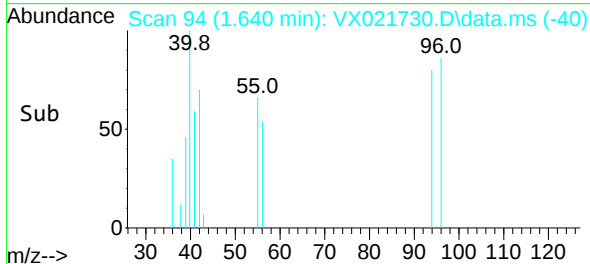
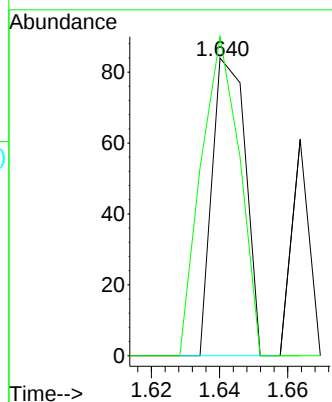
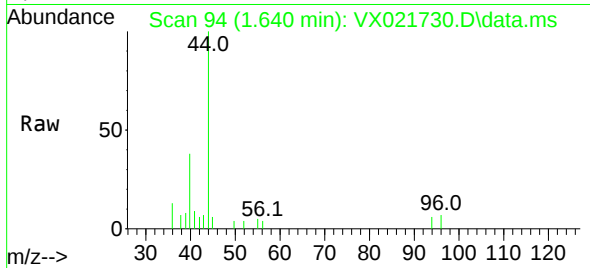




#5  
Bromomethane  
Concen: 0.21 ug/l  
RT: 1.640 min Scan# 94  
Delta R.T. 0.018 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

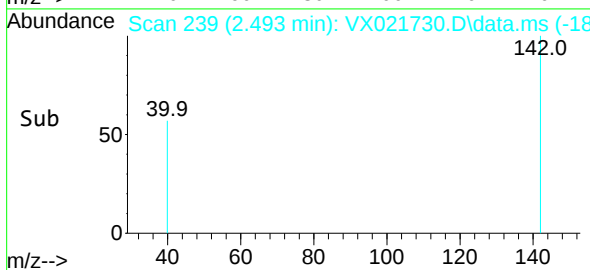
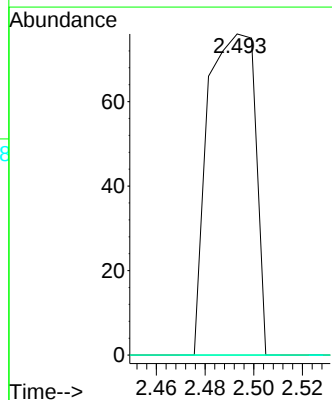
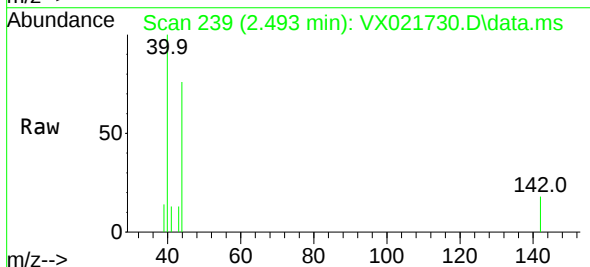
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

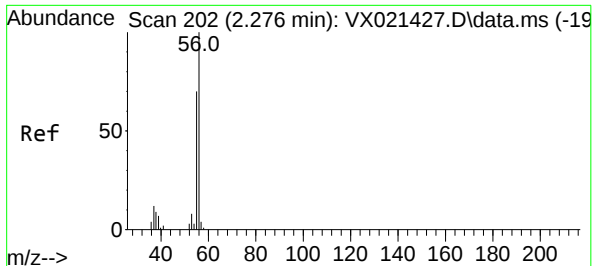
Tgt Ion: 94 Resp: 57  
Ion Ratio Lower Upper  
94 100  
96 107.1 76.4 114.6



#10  
Methyl Iodide  
Concen: 6.83 ug/l  
RT: 2.493 min Scan# 239  
Delta R.T. 0.006 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

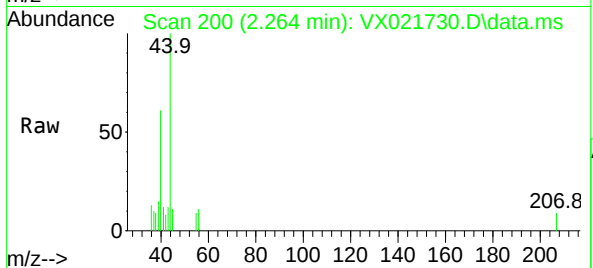
Tgt Ion: 142 Resp: 102  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#



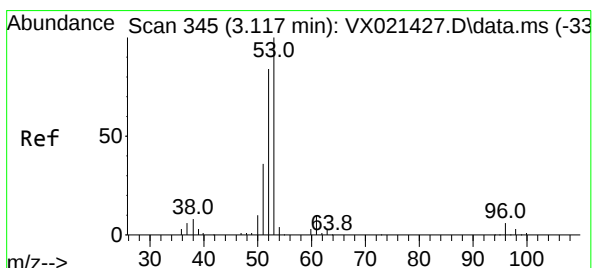
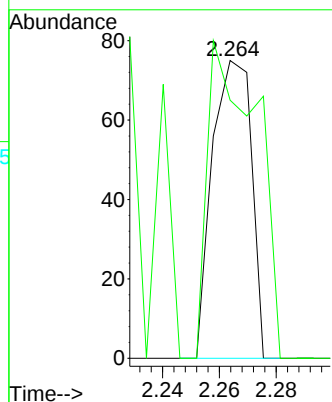
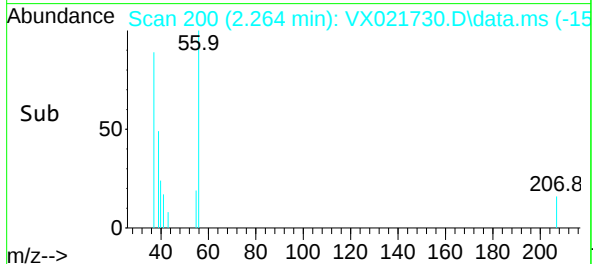


#13  
Acrolein  
Concen: 5.16 ug/l  
RT: 2.264 min Scan# 200  
Delta R.T. -0.012 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

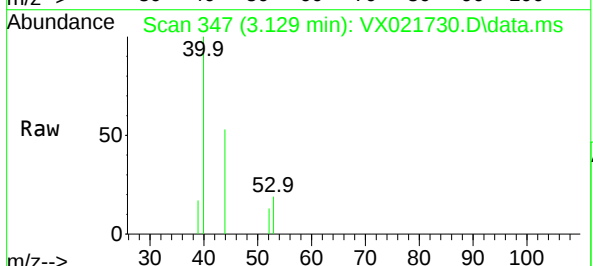
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02



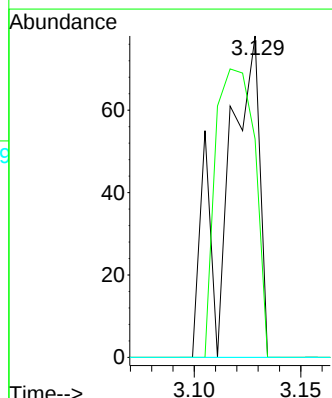
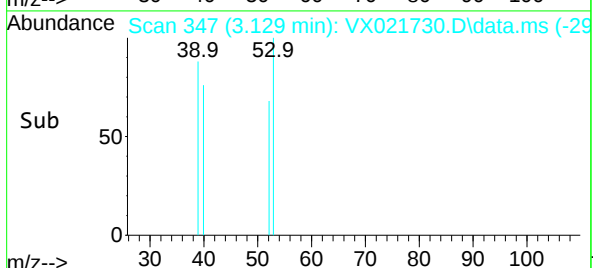
Tgt Ion: 56 Resp: 72  
Ion Ratio Lower Upper  
56 100  
55 133.3 56.4 84.6#

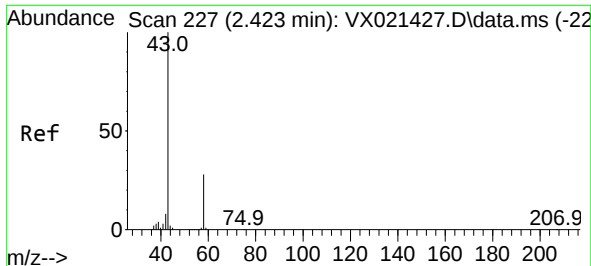


#15  
Acrylonitrile  
Concen: 0.23 ug/l  
RT: 3.129 min Scan# 347  
Delta R.T. 0.012 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06



Tgt Ion: 53 Resp: 88  
Ion Ratio Lower Upper  
53 100  
52 101.1 65.3 97.9#  
51 0.0 28.2 42.2#

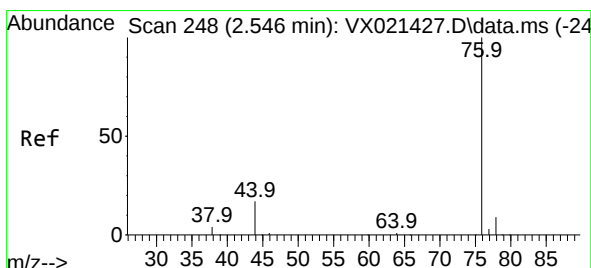
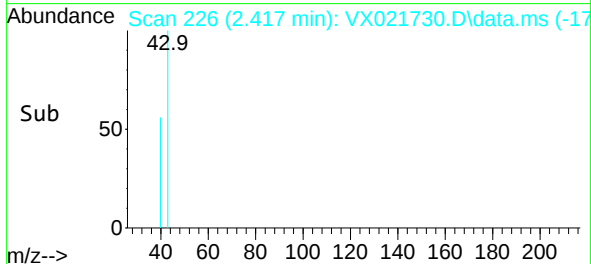
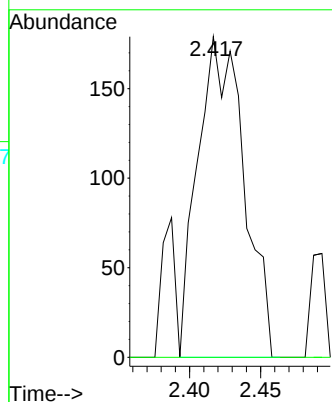
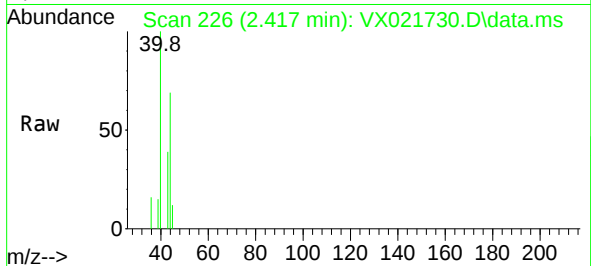




#16  
Acetone  
Concen: 1.08 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

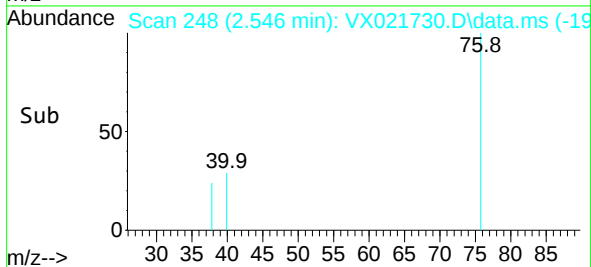
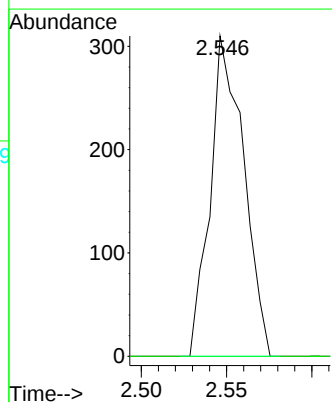
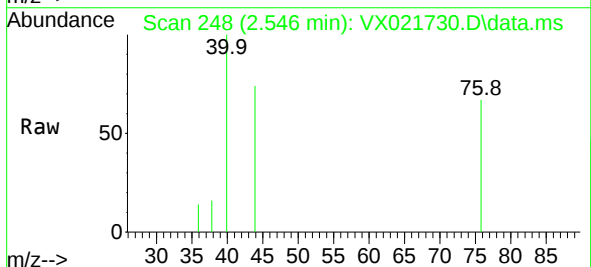
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

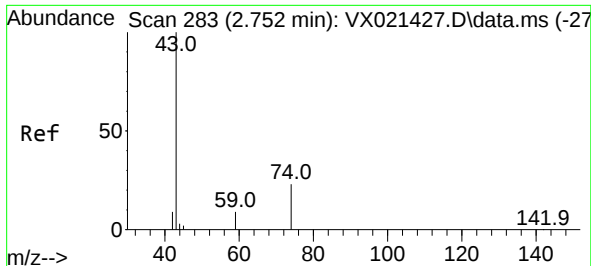
Tgt Ion: 43 Resp: 405  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.25 ug/l  
RT: 2.546 min Scan# 248  
Delta R.T. 0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

Tgt Ion: 76 Resp: 423  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

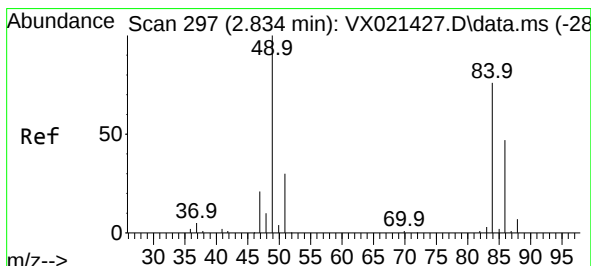
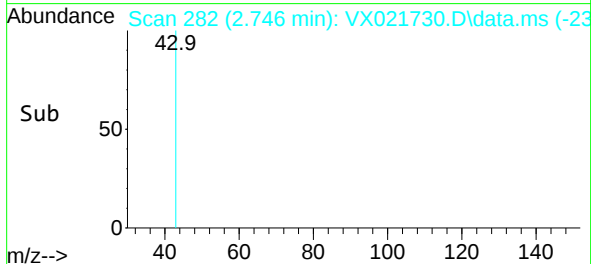
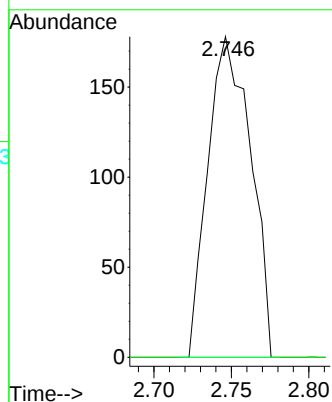
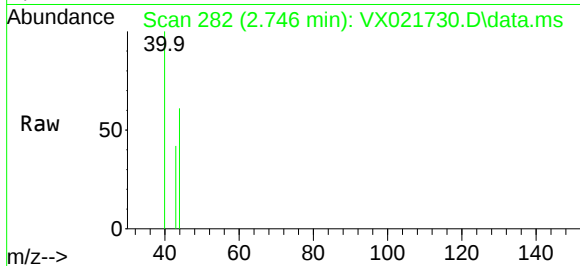




#18  
Methyl Acetate  
Concen: 0.32 ug/l  
RT: 2.746 min Scan# 282  
Delta R.T. -0.006 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

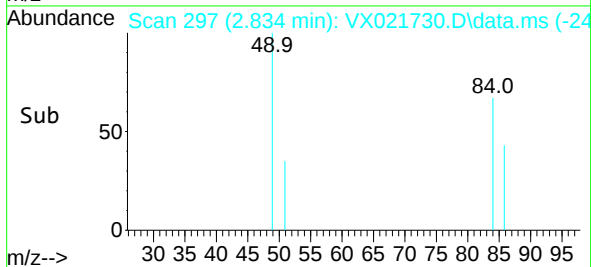
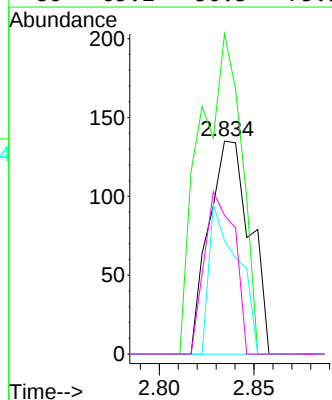
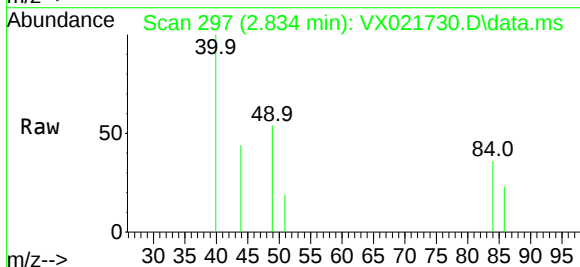
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

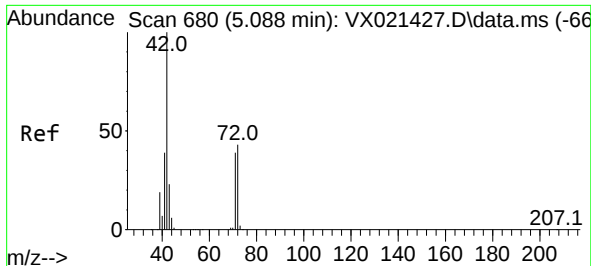
Tgt Ion: 43 Resp: 342  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.28 ug/l  
RT: 2.834 min Scan# 297  
Delta R.T. 0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

Tgt Ion: 84 Resp: 205  
Ion Ratio Lower Upper  
84 100  
49 150.4 88.6 132.8#  
51 53.3 27.0 40.6#  
86 65.2 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.111 min Scan# 684

Delta R.T. 0.023 min

Lab File: VX021730.D

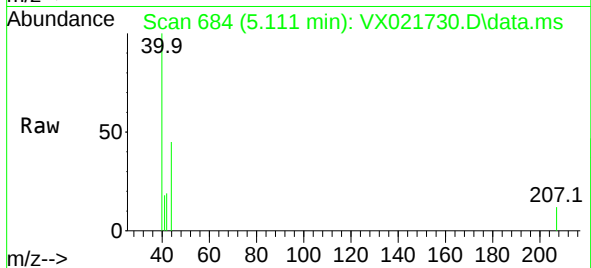
Acq: 02 Apr 2021 10:06

Instrument :

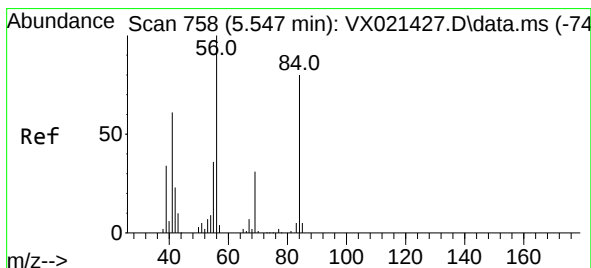
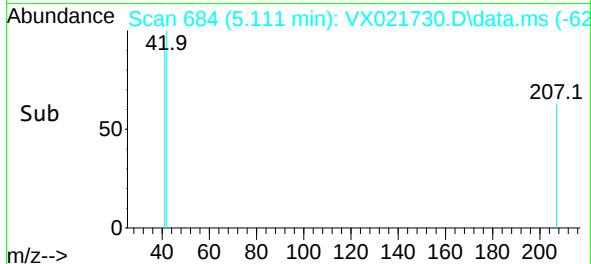
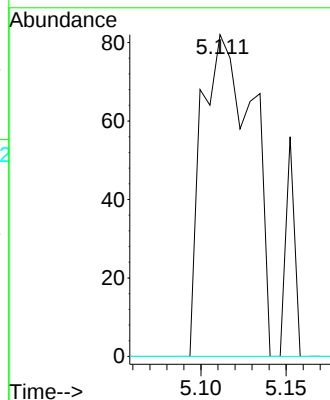
MSVOA\_X

ClientSampleId :

VX0401WBL02



|             |             |
|-------------|-------------|
| Tgt Ion: 42 | Resp: 169   |
| Ion Ratio   | Lower Upper |
| 42 100      |             |
| 72 0.0      | 41.7 62.5#  |
| 71 0.0      | 38.4 57.6#  |



#31

Cyclohexane

Concen: 1.50 ug/l

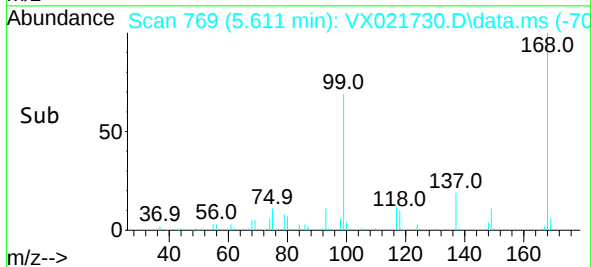
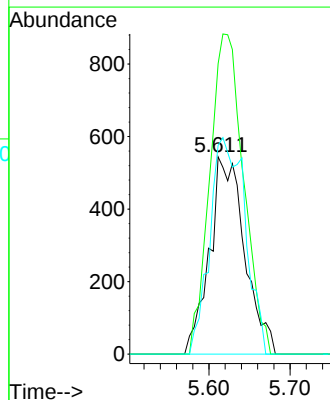
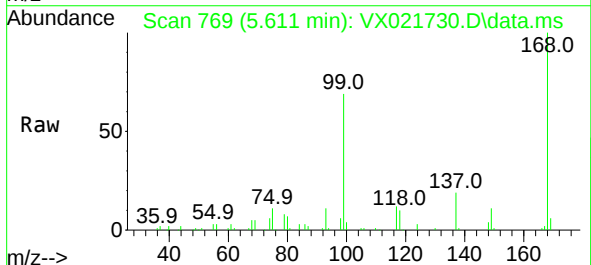
RT: 5.611 min Scan# 769

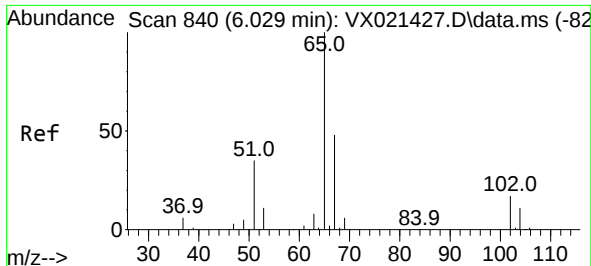
Delta R.T. 0.064 min

Lab File: VX021730.D

Acq: 02 Apr 2021 10:06

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 1634  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 147.2    | 25.3 37.9#  |
| 84 105.9    | 71.4 107.0  |





#33

1,2-Dichloroethane-d4

Concen: 50.25 ug/l

RT: 6.023 min Scan# 839

Delta R.T. -0.006 min

Lab File: VX021730.D

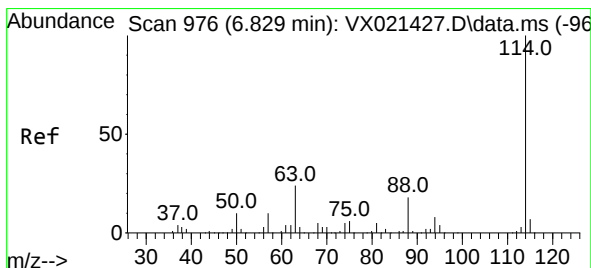
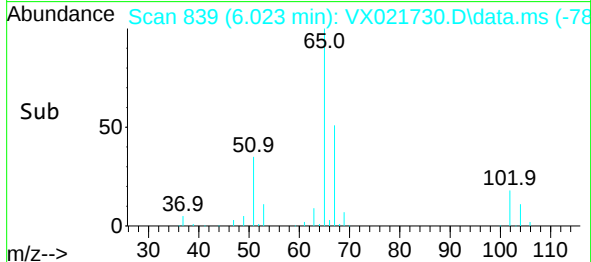
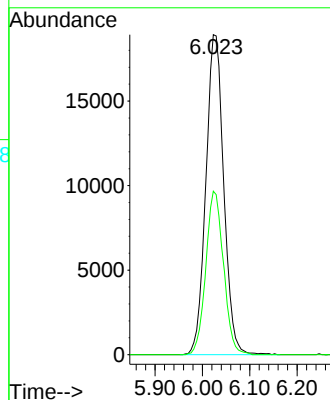
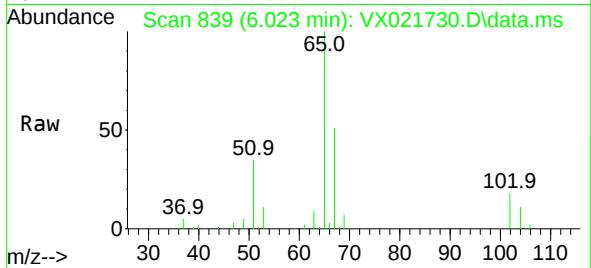
Acq: 02 Apr 2021 10:06

Tgt Ion: 65 Resp: 49716

Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021730.D

Acq: 02 Apr 2021 10:06

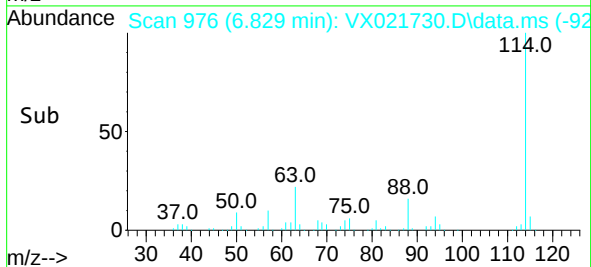
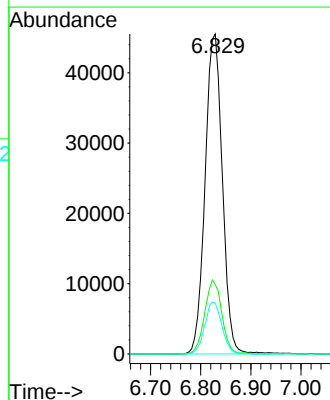
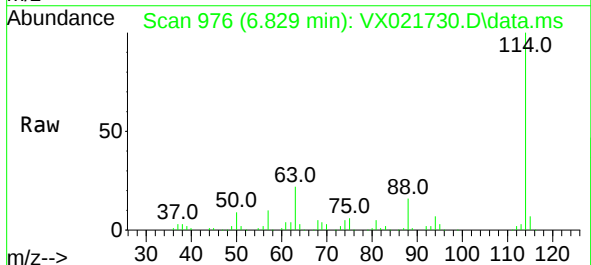
Tgt Ion: 114 Resp: 109175

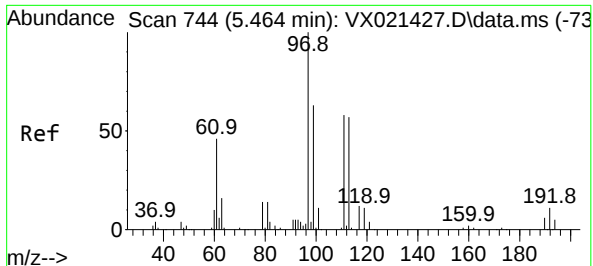
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.9 0.0 32.8

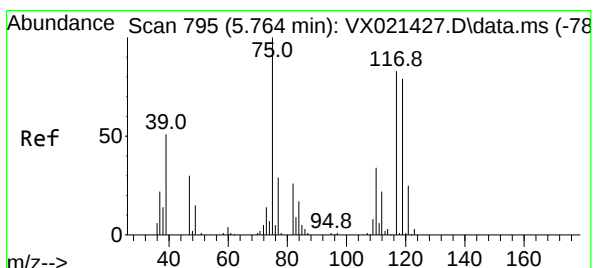
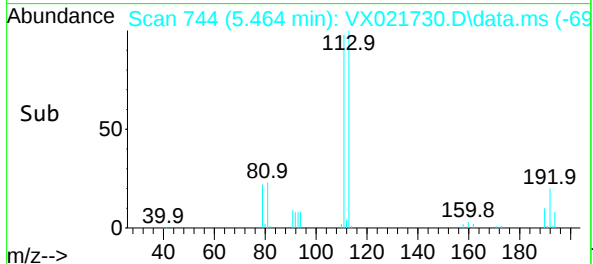
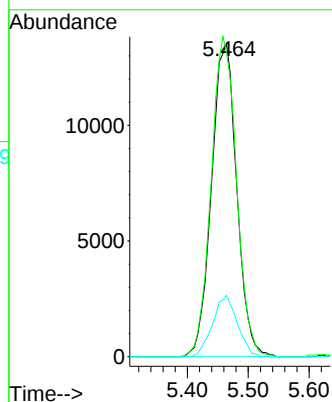
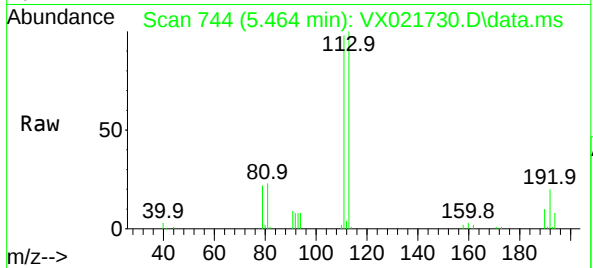




#35  
Dibromofluoromethane  
Concen: 50.16 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

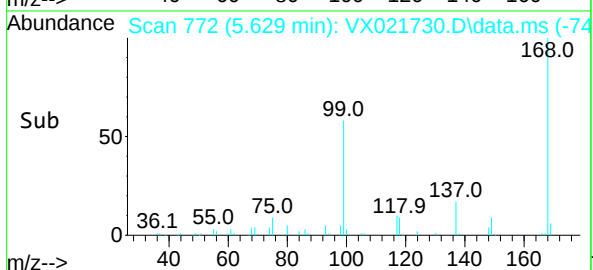
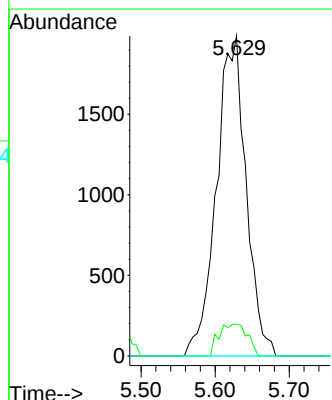
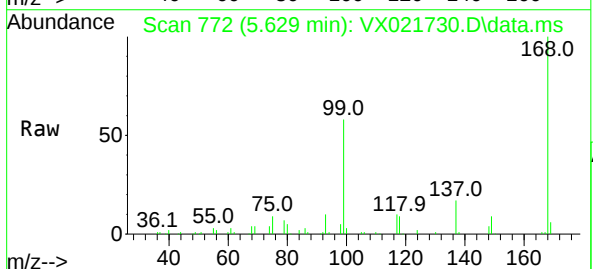
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

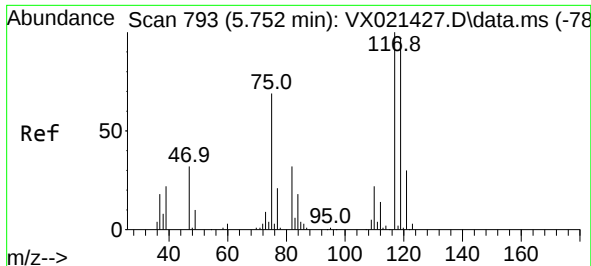
Tgt Ion:113 Resp: 38900  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.9 122.9  
192 19.2 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.15 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.135 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

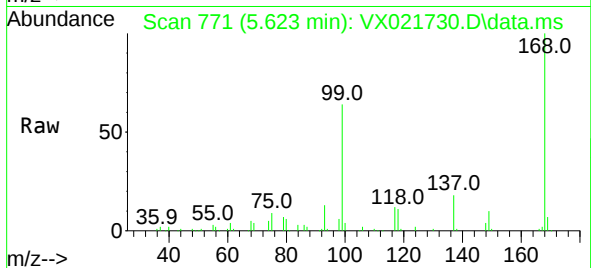
Tgt Ion: 75 Resp: 5514  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.1 54.4#  
77 0.0 25.3 37.9#



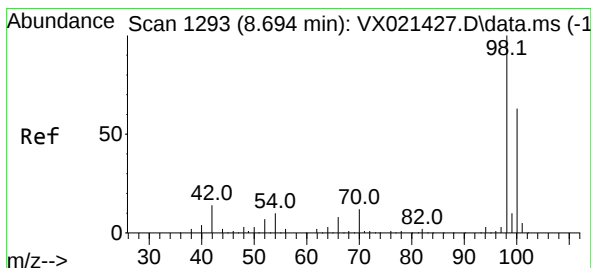
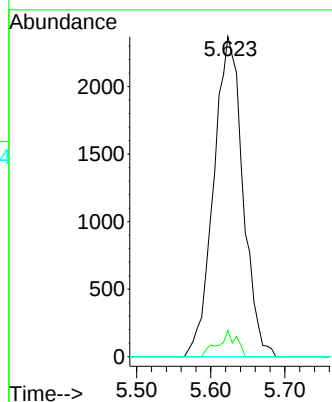
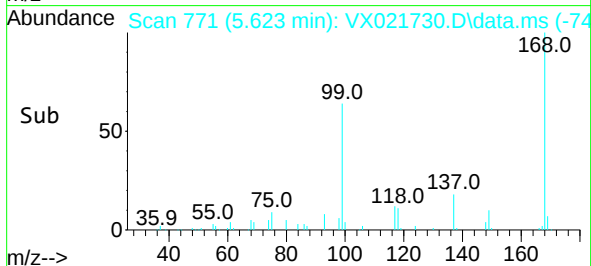


#38  
Carbon Tetrachloride  
Concen: 5.66 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.129 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

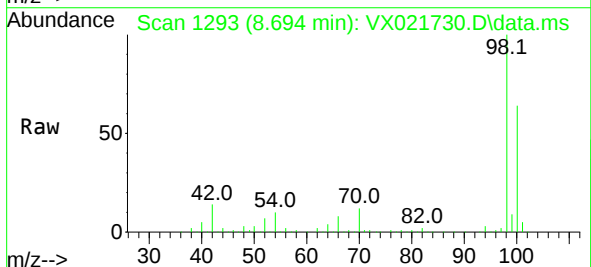
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02



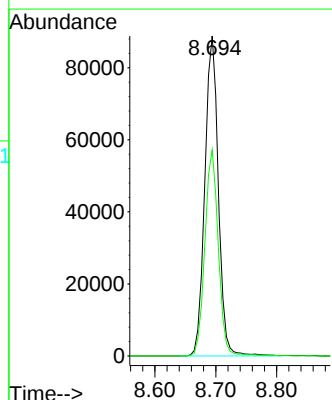
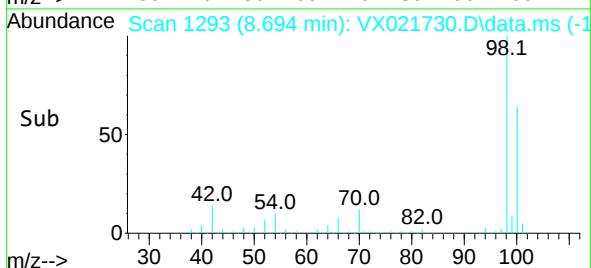
Tgt Ion:117 Resp: 6502  
Ion Ratio Lower Upper  
117 100  
119 8.2 76.2 114.2#  
121 0.0 24.8 37.2#

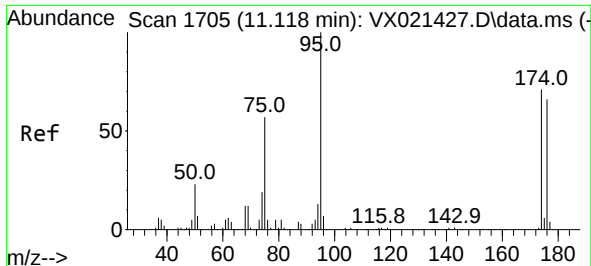


#50  
Toluene-d8  
Concen: 49.70 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06



Tgt Ion: 98 Resp: 137339  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9

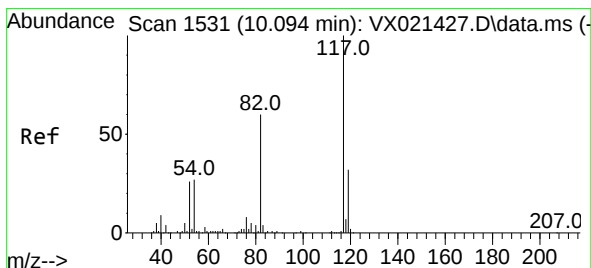
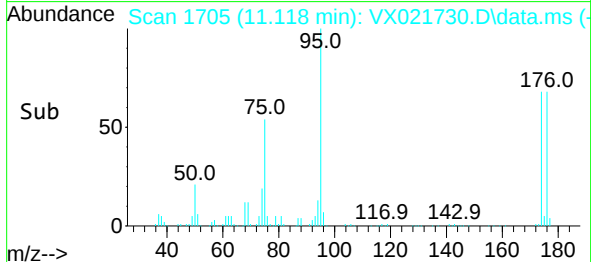
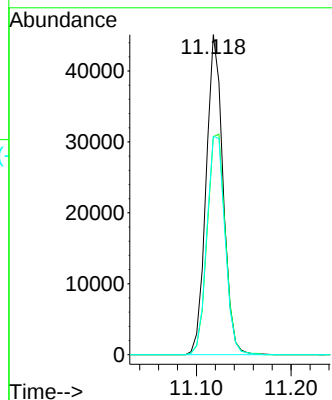
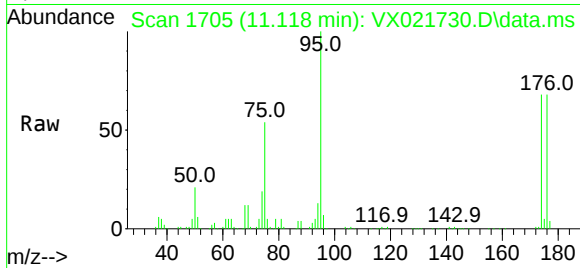




#62  
4-Bromofluorobenzene  
Concen: 52.03 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

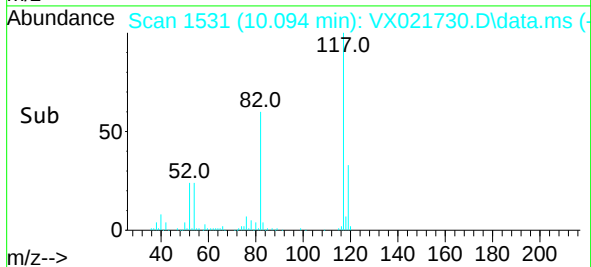
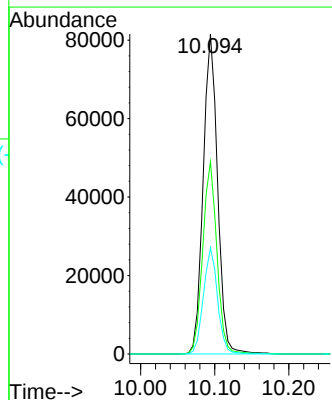
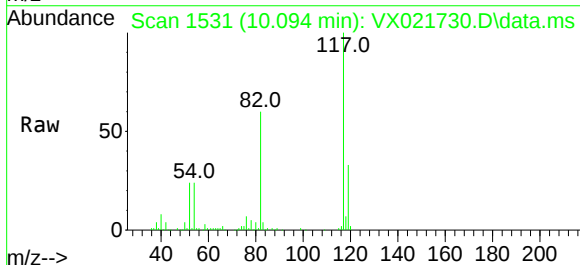
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

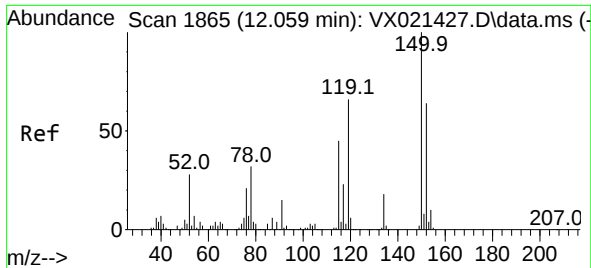
Tgt Ion: 95 Resp: 55898  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 154.6  
176 73.2 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

Tgt Ion: 117 Resp: 110243  
Ion Ratio Lower Upper  
117 100  
82 60.0 47.4 71.2  
119 33.2 26.6 39.8

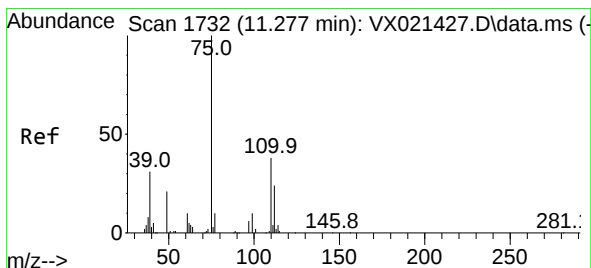
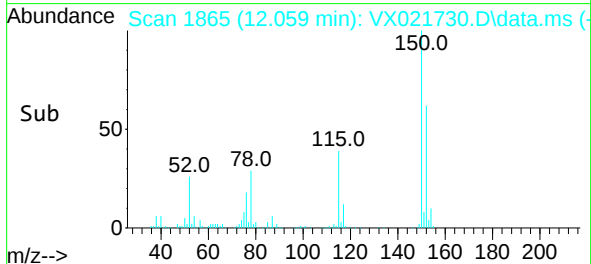
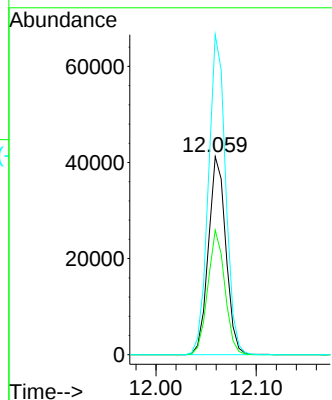
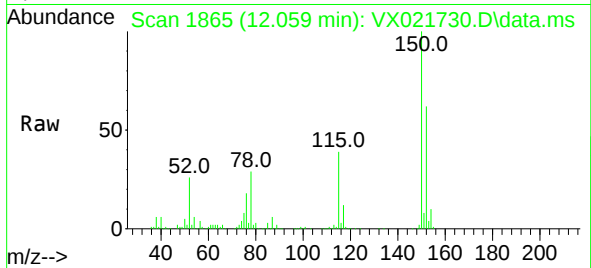




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.059 min Scan# 1865  
 Delta R.T. 0.000 min  
 Lab File: VX021730.D  
 Acq: 02 Apr 2021 10:06

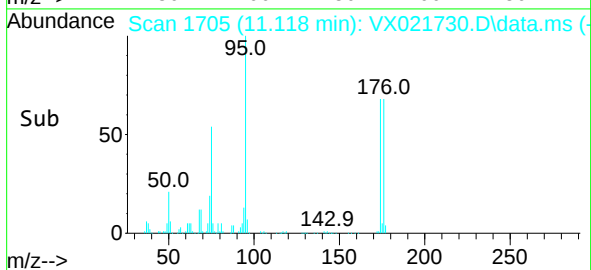
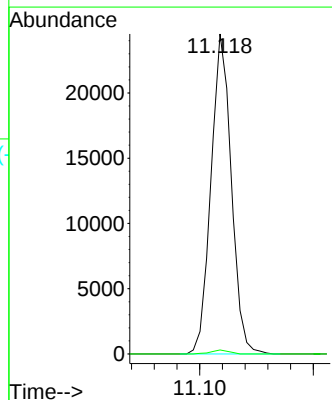
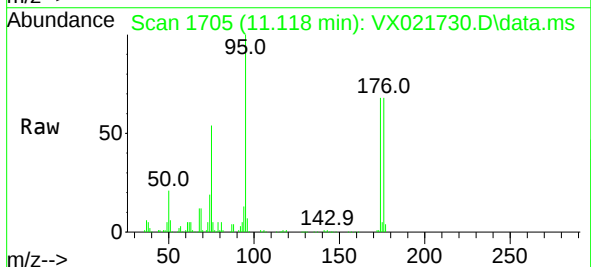
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0401WBL02

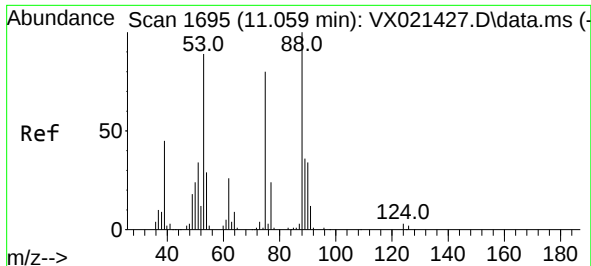
Tgt Ion:152 Resp: 49878  
 Ion Ratio Lower Upper  
 152 100  
 115 61.2 41.1 123.3  
 150 159.5 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 26.23 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. -0.159 min  
 Lab File: VX021730.D  
 Acq: 02 Apr 2021 10:06

Tgt Ion: 75 Resp: 30456  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#

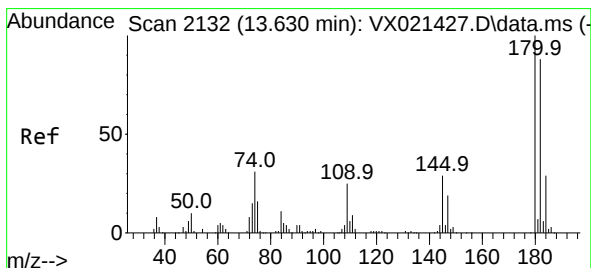
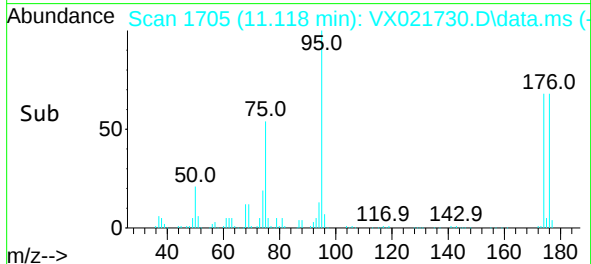
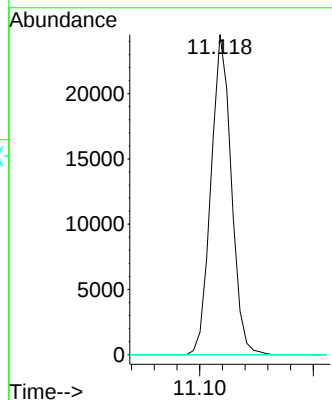
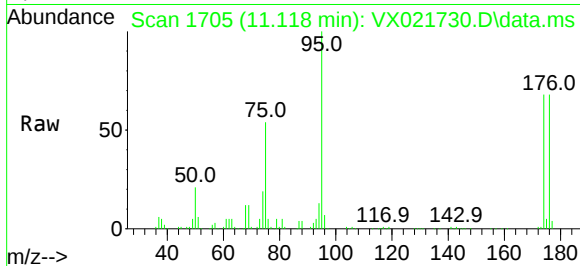




#81  
trans-1,4-Dichloro-2-butene  
Concen: 79.89 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

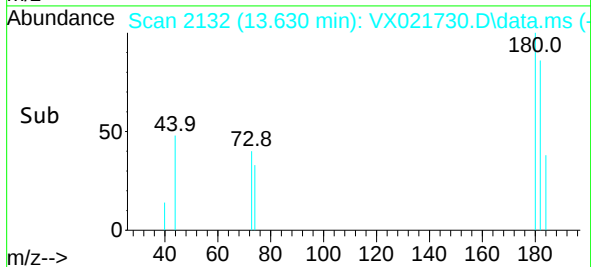
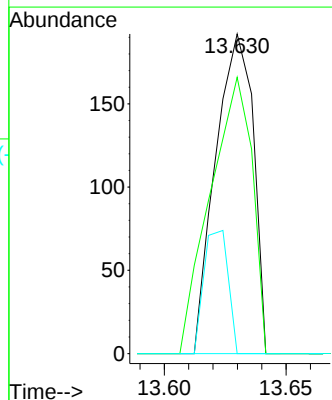
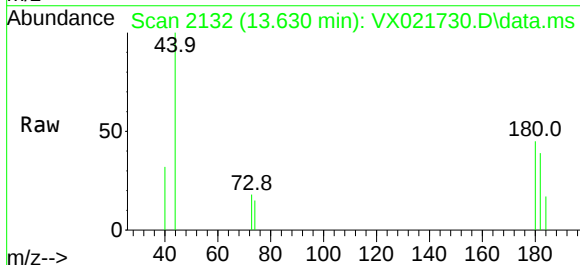
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0401WBL02

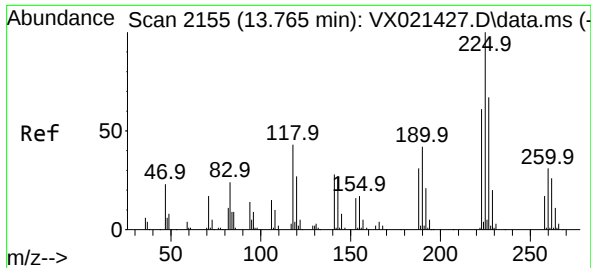
Tgt Ion: 75 Resp: 30456  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.21 ug/l  
RT: 13.630 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

Tgt Ion:180 Resp: 207  
Ion Ratio Lower Upper  
180 100  
182 96.1 47.7 143.1  
145 24.6 15.0 45.0

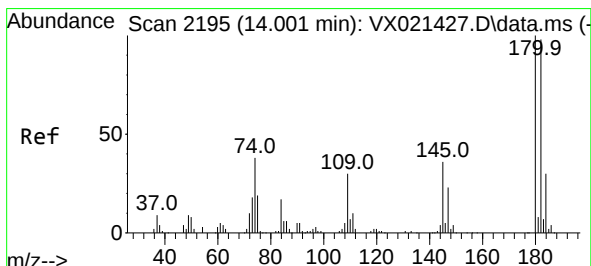
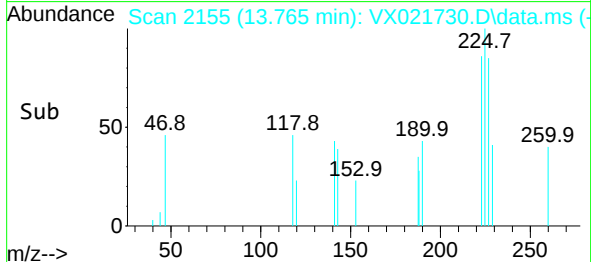
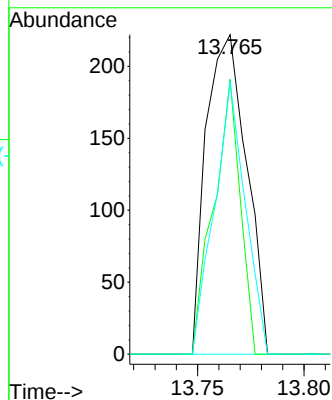
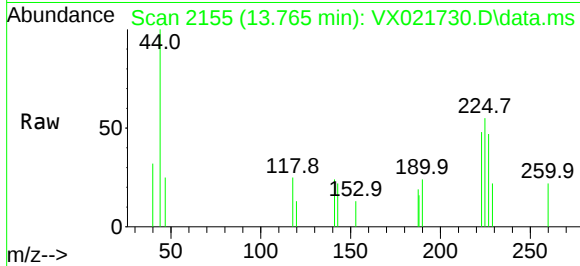




#94  
Hexachlorobutadiene  
Concen: 0.65 ug/l  
RT: 13.765 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0401WBL02

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 293         |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 56.7  | 31.1 93.2   |
| 227         | 65.2  | 31.6 95.0   |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.20 ug/l  
RT: 14.006 min Scan# 2196  
Delta R.T. 0.005 min  
Lab File: VX021730.D  
Acq: 02 Apr 2021 10:06

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 202         |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 98.5  | 47.6 142.9  |
| 145         | 26.2  | 16.1 48.3   |

