

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032921\  
 Data File : VX021565.D  
 Acq On : 29 Mar 2021 10:36  
 Operator : JC/MD  
 Sample : VX0329WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0329WBL01

Quant Time: Mar 30 03:23:38 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

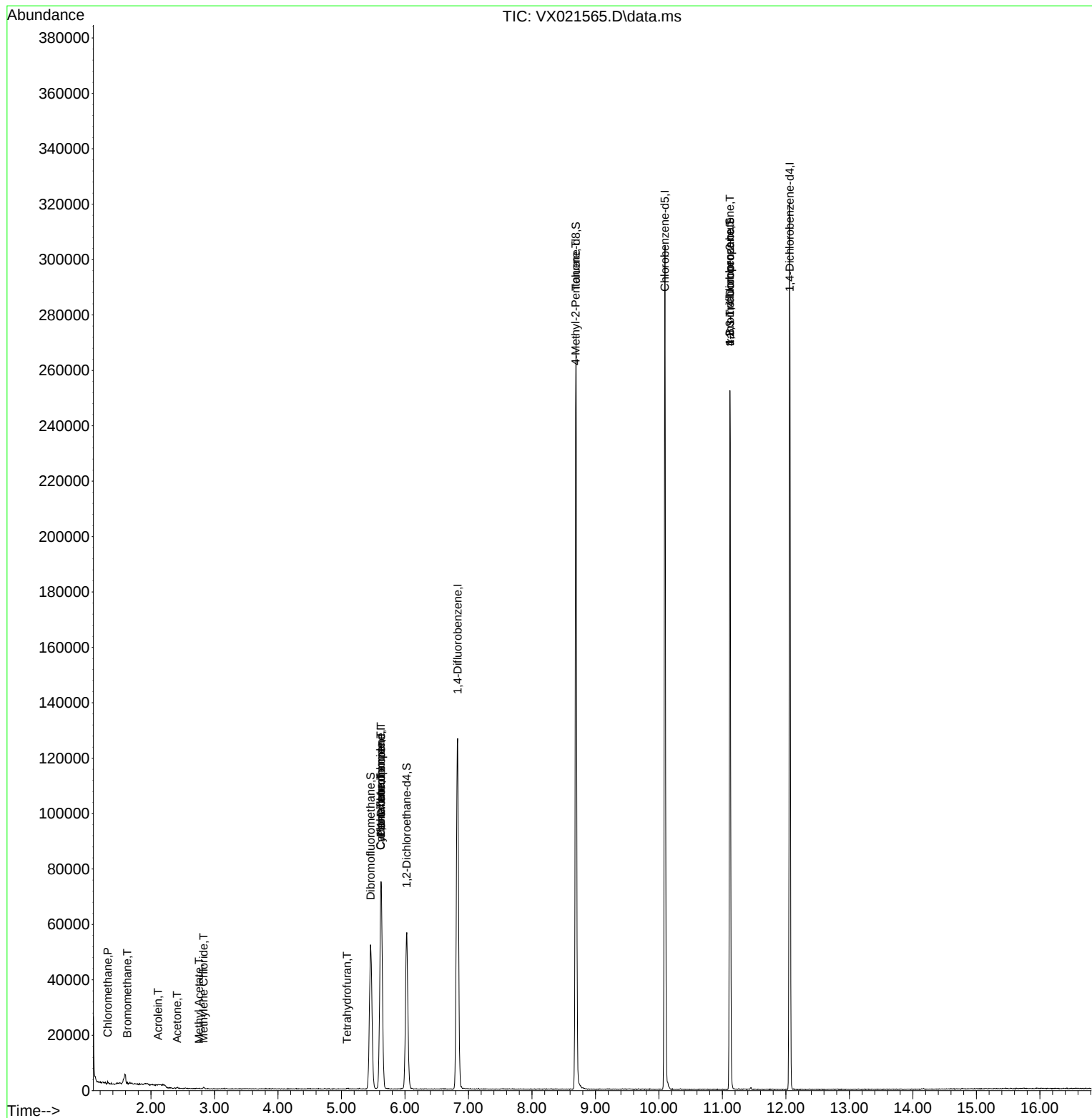
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.623  | 168   | 66153    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 120176   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 126472   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 57784    | 50.00    | ug/l   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 55523    | 50.44    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 100.88%  |
| 35) Dibromofluoromethane      | 5.458  | 113   | 42686    | 50.00    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.00%  |
| 50) Toluene-d8                | 8.694  | 98    | 152275   | 50.06    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 100.12%  |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 63508    | 53.70    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 107.40%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.317  | 50    | 1282     | 1.57     | ug/l # | 84       |
| 5) Bromomethane               | 1.629  | 94    | 60       | 0.20     | ug/l # | 2        |
| 13) Acrolein                  | 2.111  | 56    | 45       | 4.78     | ug/l # | 74       |
| 16) Acetone                   | 2.411  | 43    | 417      | 1.00     | ug/l   | 98       |
| 18) Methyl Acetate            | 2.758  | 43    | 255      | 0.21     | ug/l # | 47       |
| 20) Methylene Chloride        | 2.829  | 84    | 170      | 0.21     | ug/l # | 82       |
| 29) Tetrahydrofuran           | 5.088  | 42    | 155      | 0.38     | ug/l # | 27       |
| 31) Cyclohexane               | 5.617  | 56    | 1843     | 1.52     | ug/l # | 46       |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 6035     | 5.13     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.617  | 117   | 7164     | 5.66     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.688  | 43    | 940      | 0.69     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 35799    | 26.61    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 35799    | 81.06    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

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

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Sample : VX0329WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

Quant Time: Mar 30 03:23:38 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

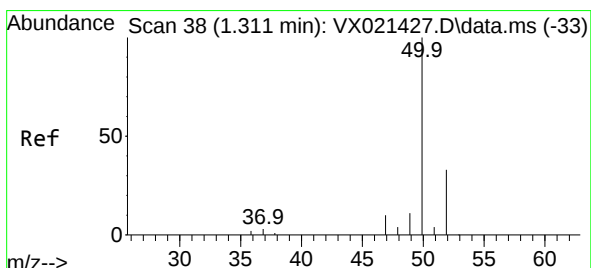
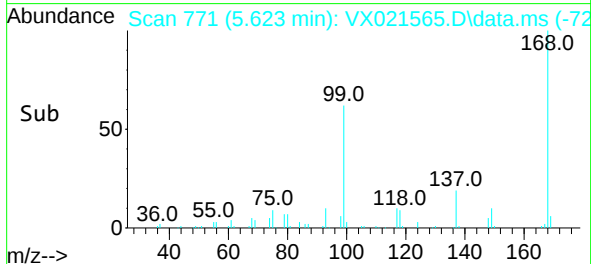
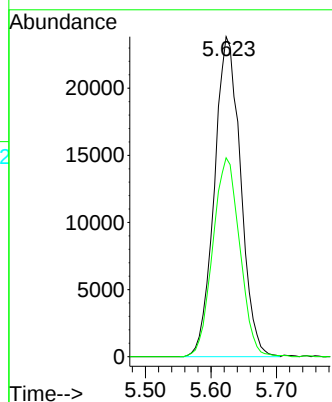
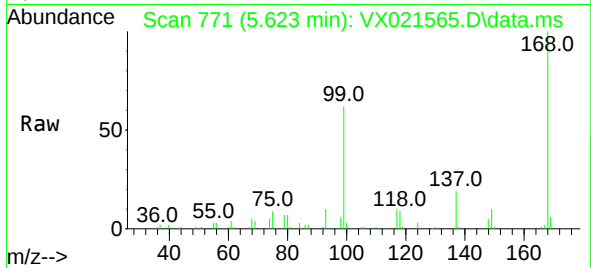




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

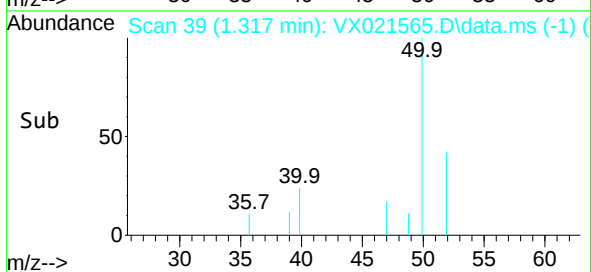
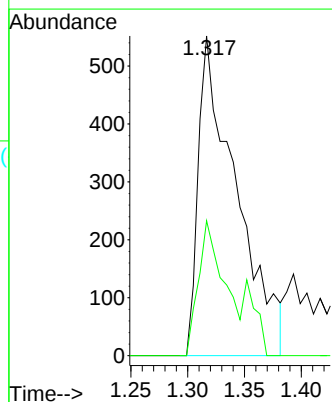
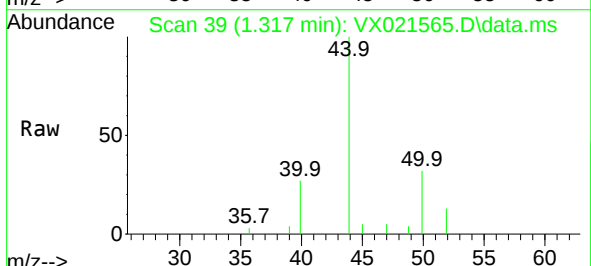
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

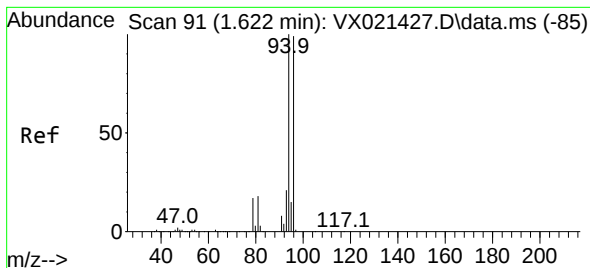
Tgt Ion:168 Resp: 66153  
Ion Ratio Lower Upper  
168 100  
99 62.2 45.8 68.6



#3  
Chloromethane  
Concen: 1.57 ug/l  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

Tgt Ion: 50 Resp: 1282  
Ion Ratio Lower Upper  
50 100  
52 42.2 26.4 39.6#

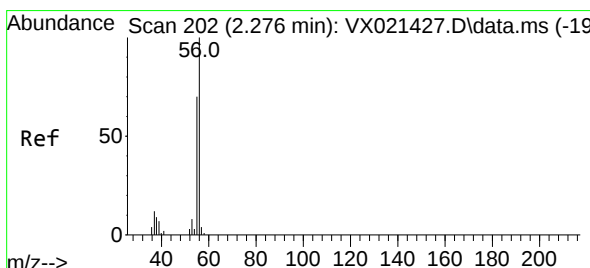
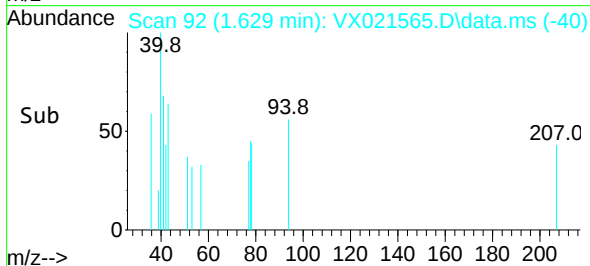
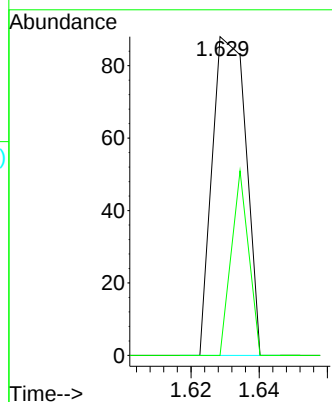
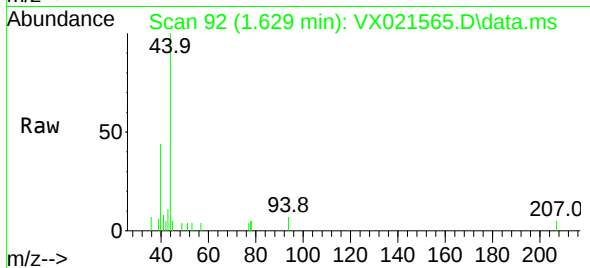




#5  
Bromomethane  
Concen: 0.20 ug/l  
RT: 1.629 min Scan# 92  
Delta R.T. 0.006 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

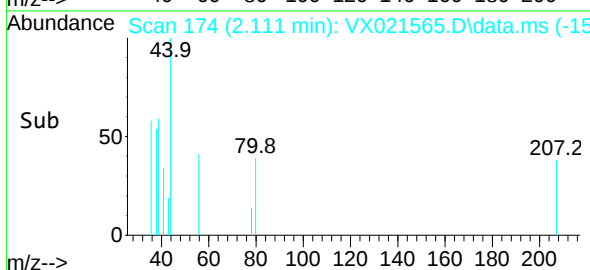
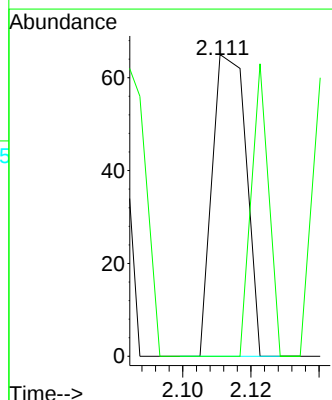
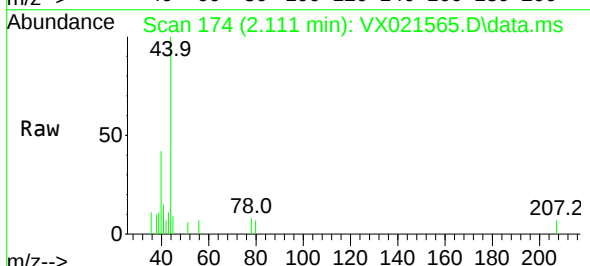
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

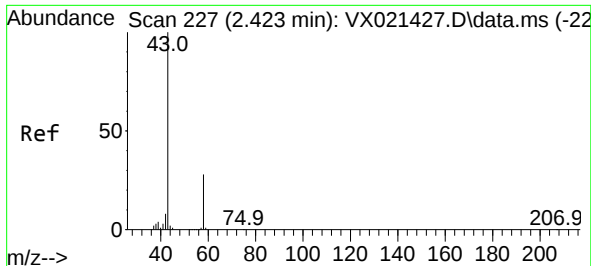
Tgt Ion: 94 Resp: 60  
Ion Ratio Lower Upper  
94 100  
96 0.0 76.4 114.6#



#13  
Acrolein  
Concen: 4.78 ug/l  
RT: 2.111 min Scan# 174  
Delta R.T. -0.165 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

Tgt Ion: 56 Resp: 45  
Ion Ratio Lower Upper  
56 100  
55 48.9 56.4 84.6#

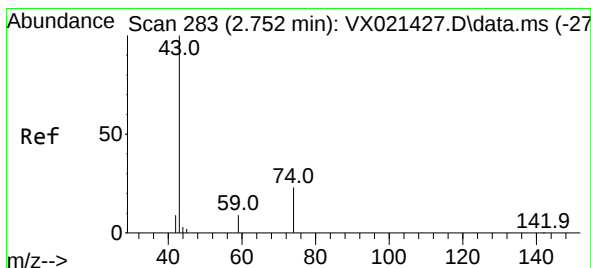
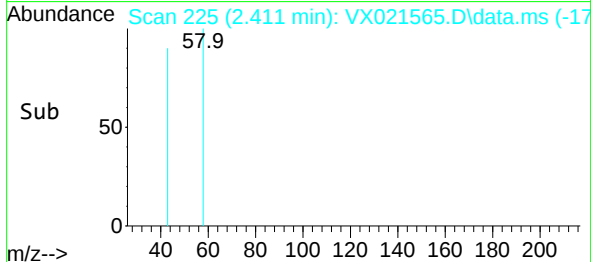
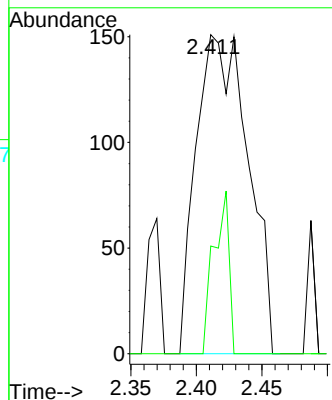
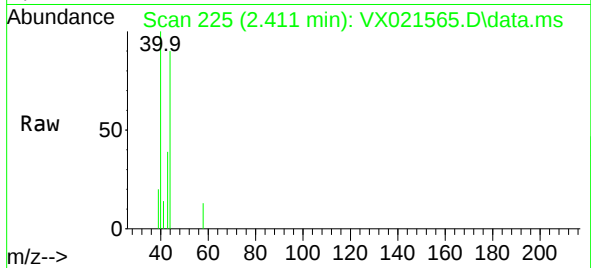




#16  
Acetone  
Concen: 1.00 ug/l  
RT: 2.411 min Scan# 225  
Delta R.T. -0.012 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

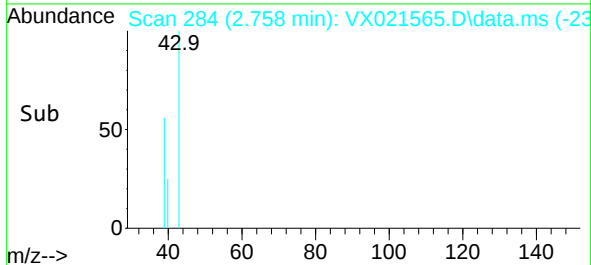
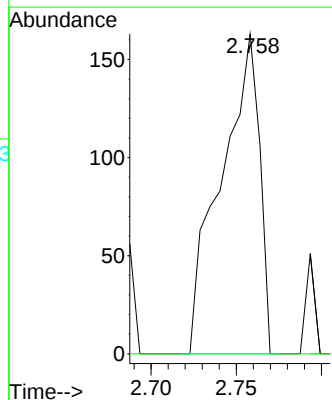
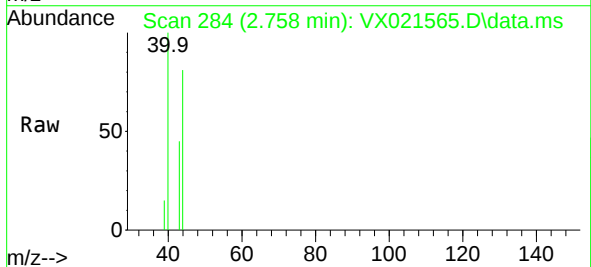
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

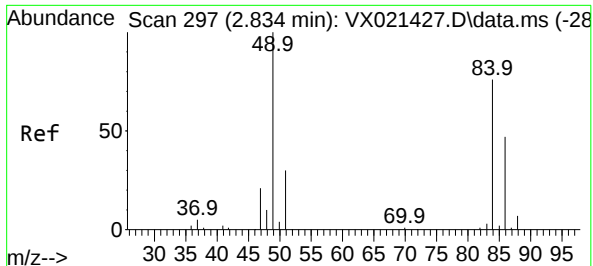
Tgt Ion: 43 Resp: 417  
Ion Ratio Lower Upper  
43 100  
58 33.8 27.8 41.8



#18  
Methyl Acetate  
Concen: 0.21 ug/l  
RT: 2.758 min Scan# 284  
Delta R.T. 0.006 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

Tgt Ion: 43 Resp: 255  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021565.D

Acq: 29 Mar 2021 10:36

Tgt Ion: 84 Resp: 170

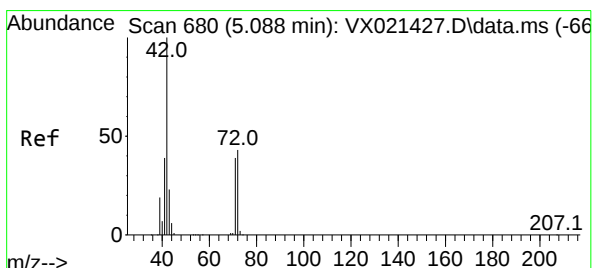
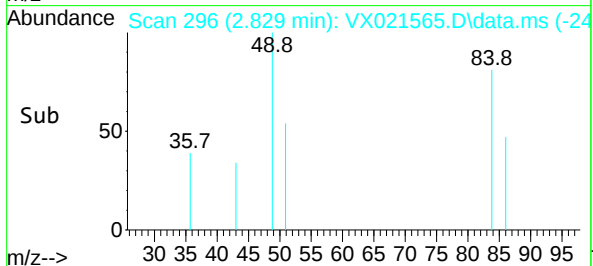
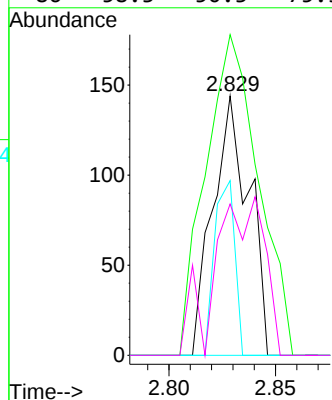
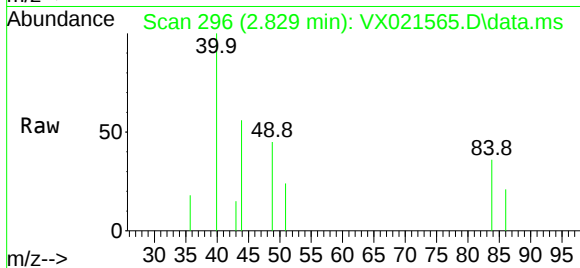
Ion Ratio Lower Upper

84 100

49 123.6 88.6 132.8

51 67.4 27.0 40.6#

86 58.3 50.3 75.5



#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.088 min Scan# 680

Delta R.T. -0.000 min

Lab File: VX021565.D

Acq: 29 Mar 2021 10:36

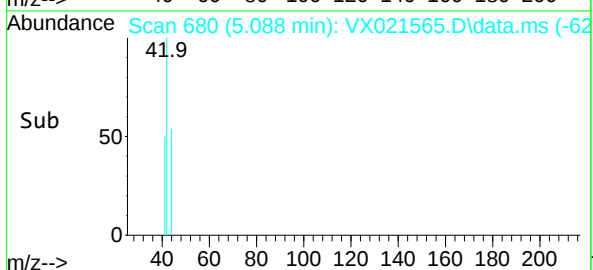
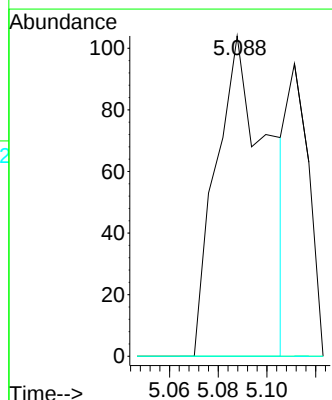
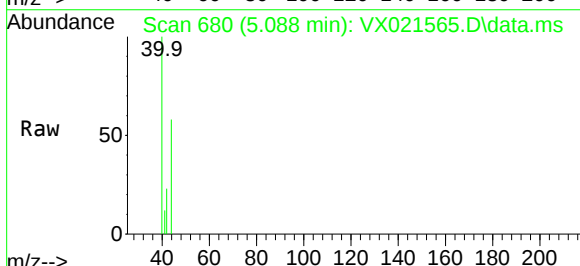
Tgt Ion: 42 Resp: 155

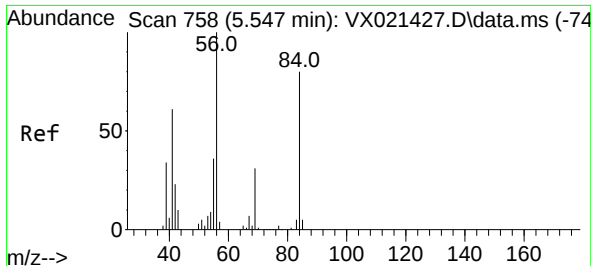
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

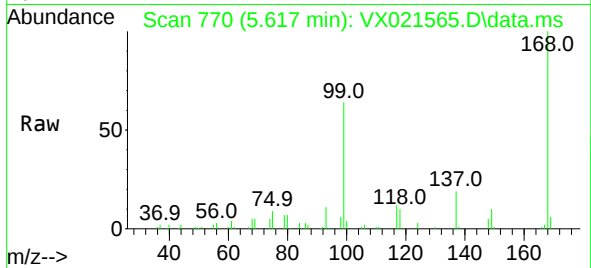
71 0.0 38.4 57.6#



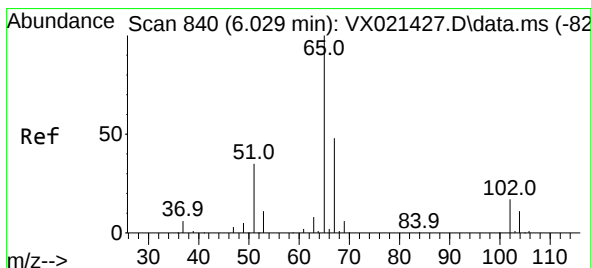
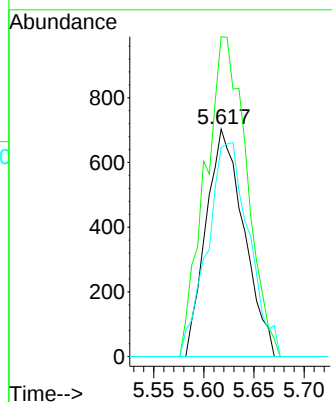
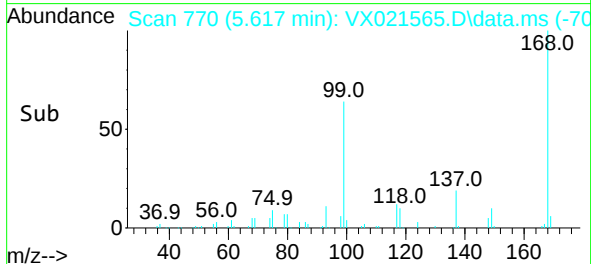


#31  
Cyclohexane  
Concen: 1.52 ug/l  
RT: 5.617 min Scan# 770  
Delta R.T. 0.070 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

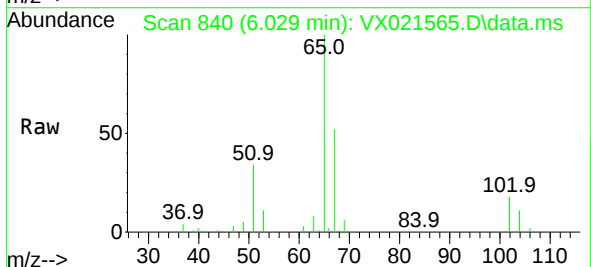
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01



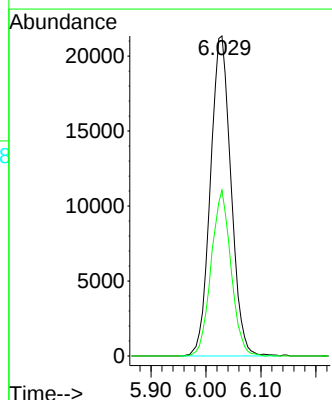
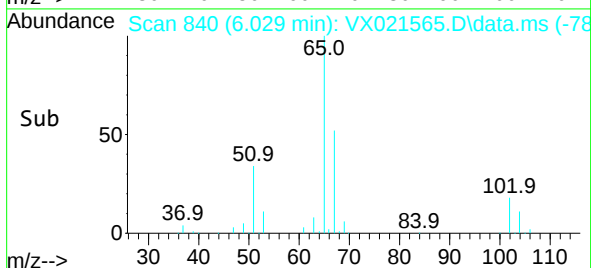
Tgt Ion: 56 Resp: 1843  
Ion Ratio Lower Upper  
56 100  
69 140.7 25.3 37.9#  
84 91.9 71.4 107.0

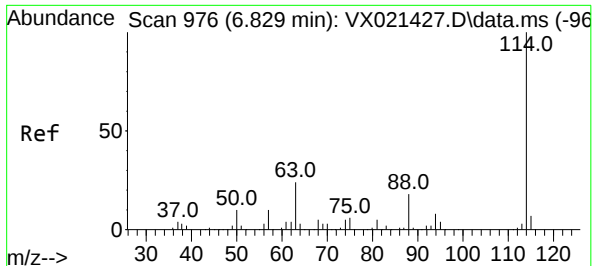


#33  
1,2-Dichloroethane-d4  
Concen: 50.44 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36



Tgt Ion: 65 Resp: 55523  
Ion Ratio Lower Upper  
65 100  
67 49.9 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: VX021565.D

Acq: 29 Mar 2021 10:36

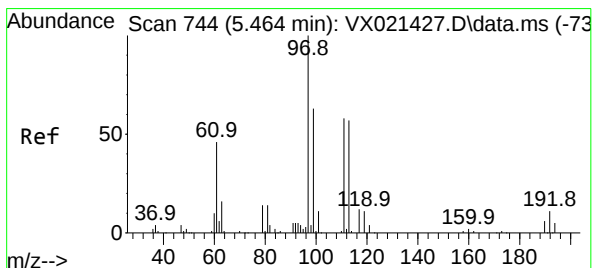
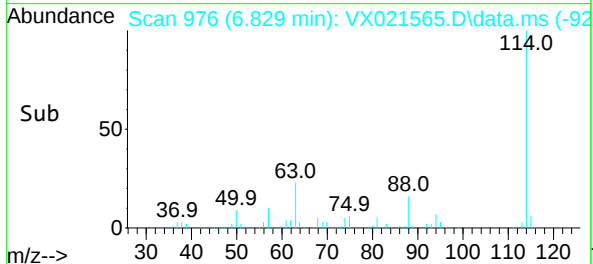
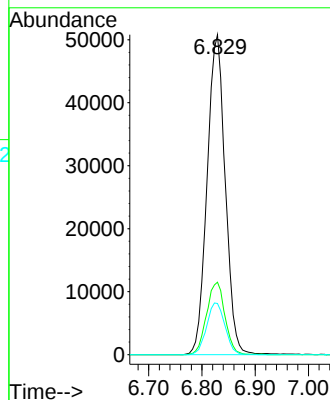
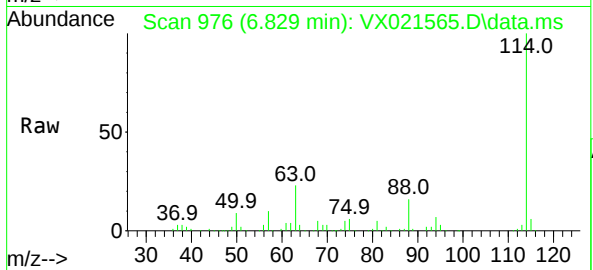
Tgt Ion:114 Resp: 120176

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.458 min Scan# 743

Delta R.T. -0.006 min

Lab File: VX021565.D

Acq: 29 Mar 2021 10:36

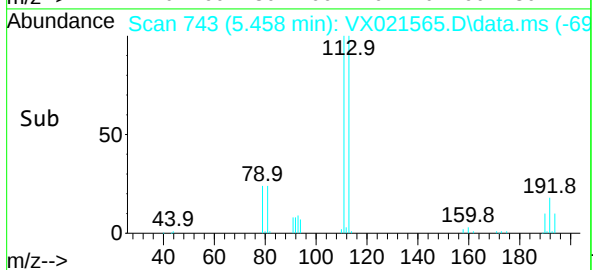
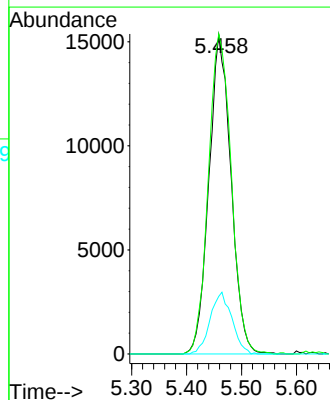
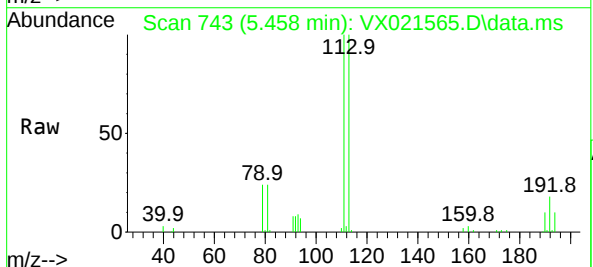
Tgt Ion:113 Resp: 42686

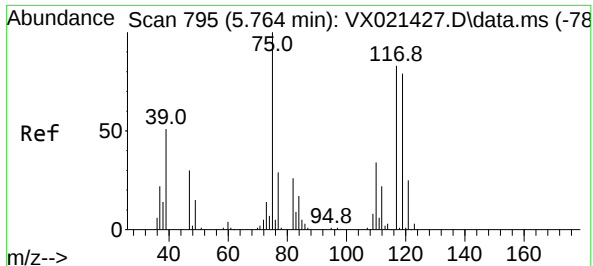
Ion Ratio Lower Upper

113 100

111 104.0 81.9 122.9

192 19.1 16.7 25.1

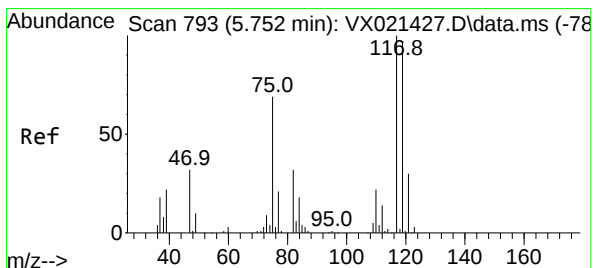
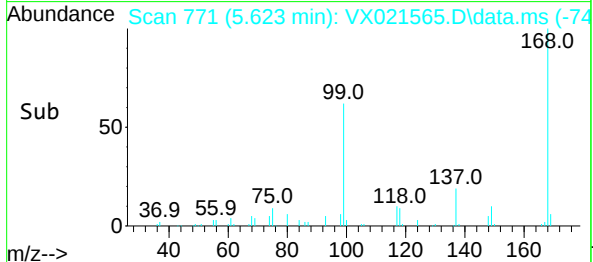
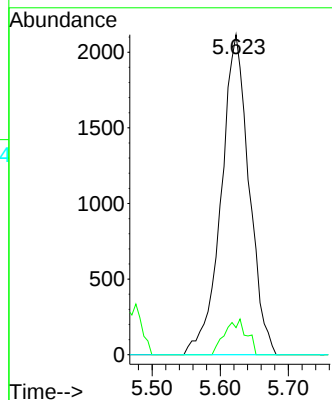
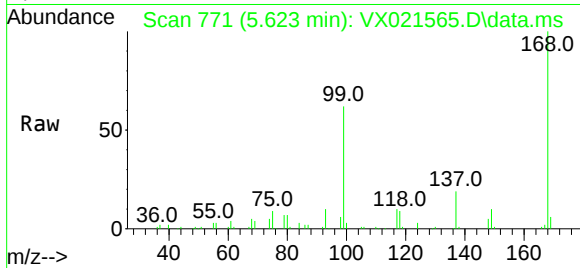




#36  
1,1-Dichloropropene  
Concen: 5.13 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.141 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

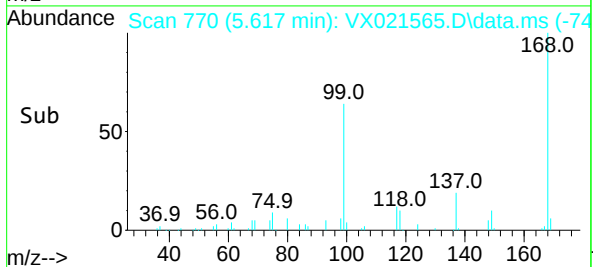
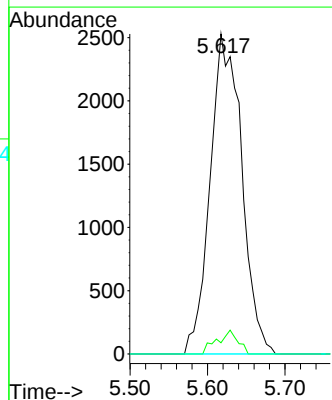
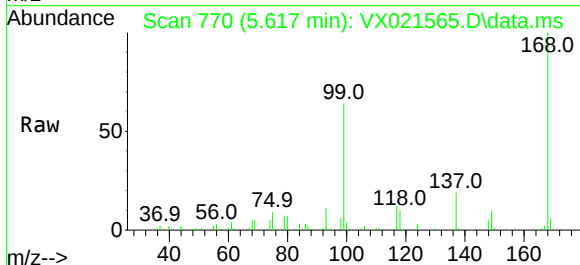
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

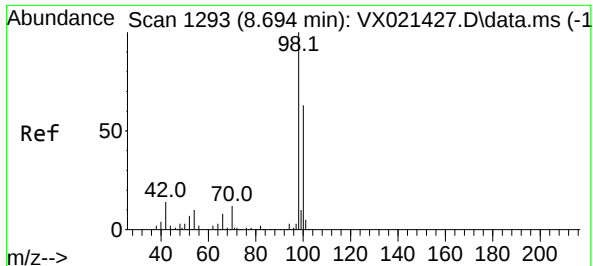
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Ion Ratio Lower Upper  
75 100  
110 8.6 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.66 ug/l  
RT: 5.617 min Scan# 770  
Delta R.T. -0.135 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

Tgt Ion: 117 Resp: 7164  
Ion Ratio Lower Upper  
117 100  
119 3.5 76.2 114.2#  
121 0.0 24.8 37.2#

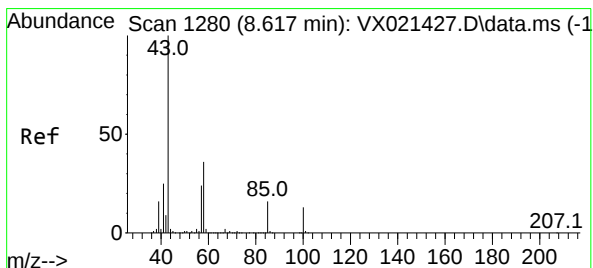
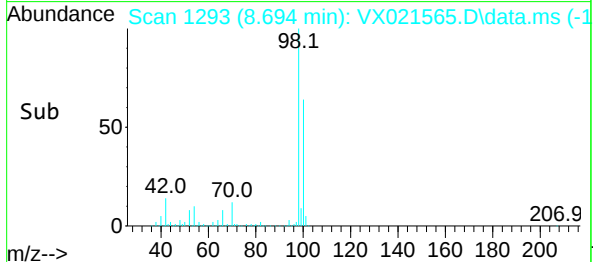
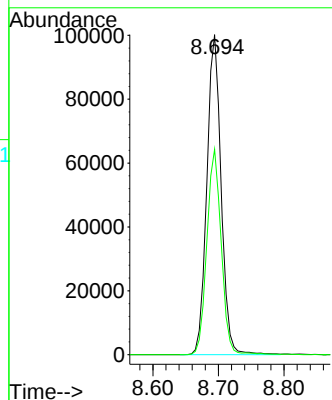
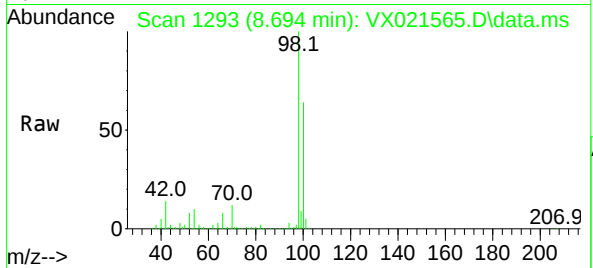




#50  
Toluene-d8  
Concen: 50.06 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

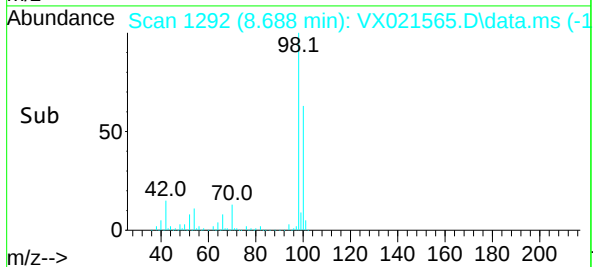
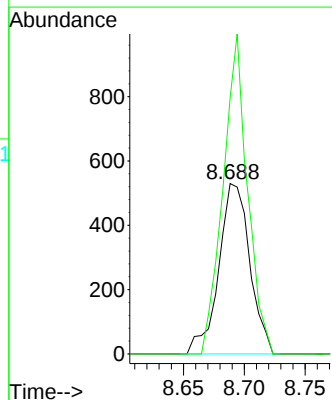
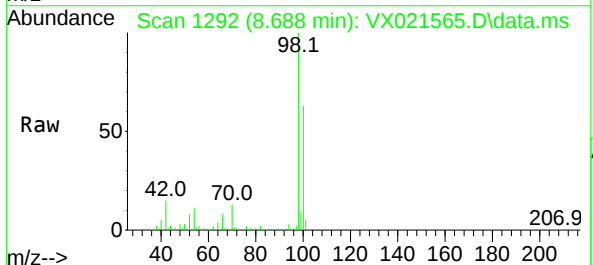
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

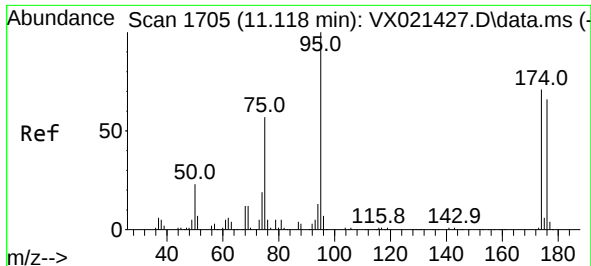
Tgt Ion: 98 Resp: 152275  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.69 ug/l  
RT: 8.688 min Scan# 1292  
Delta R.T. 0.071 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

Tgt Ion: 43 Resp: 940  
Ion Ratio Lower Upper  
43 100  
58 148.1 35.4 53.0#

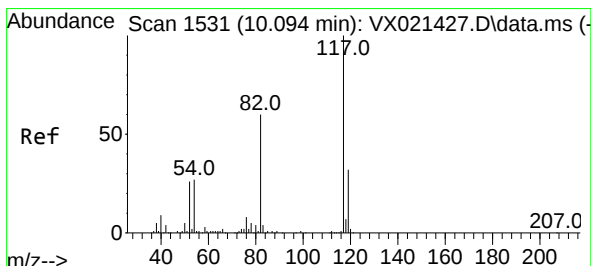
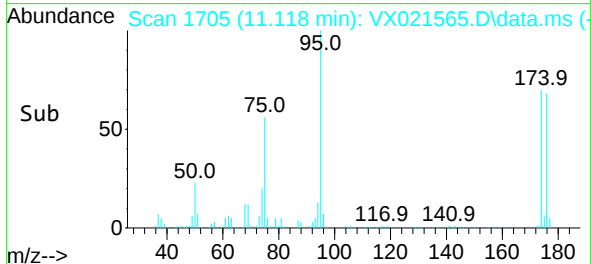
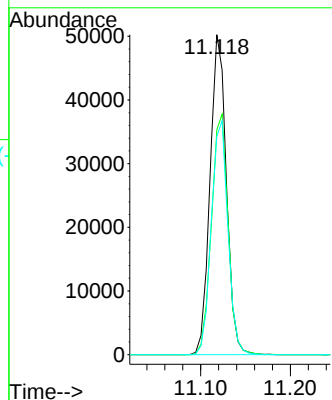
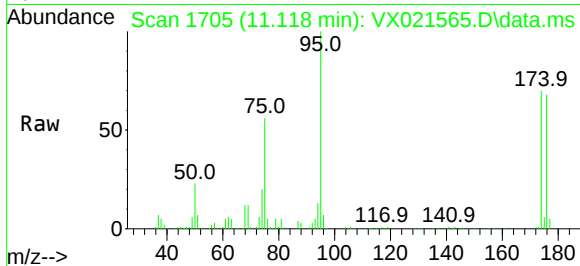




#62  
4-Bromofluorobenzene  
Concen: 53.70 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

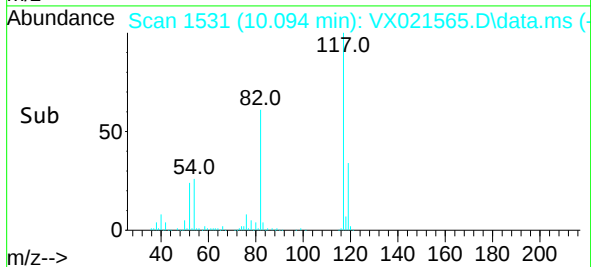
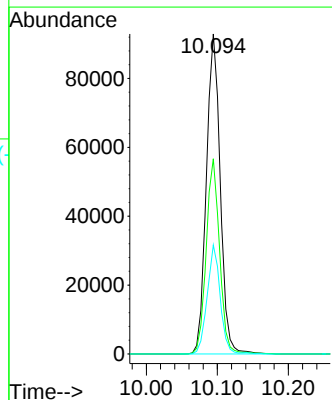
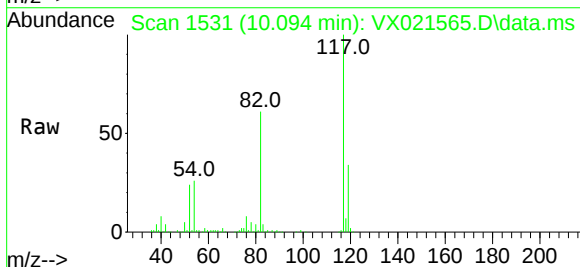
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

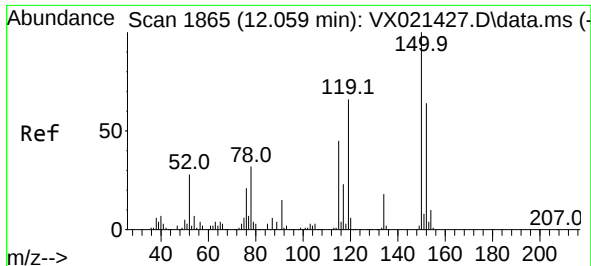
Tgt Ion: 95 Resp: 63508  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 154.6  
176 74.3 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

Tgt Ion: 117 Resp: 126472  
Ion Ratio Lower Upper  
117 100  
82 61.0 47.4 71.2  
119 34.0 26.6 39.8

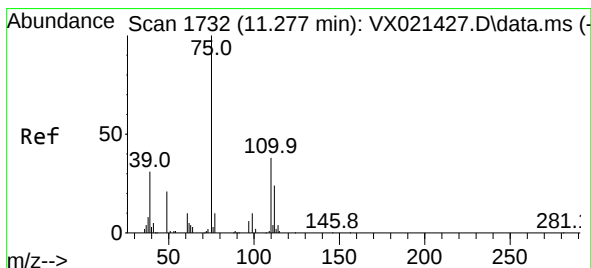
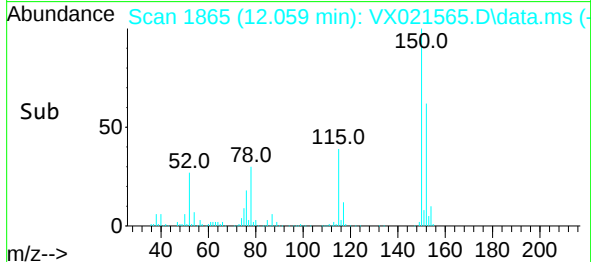
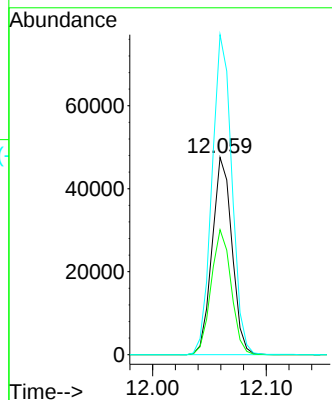
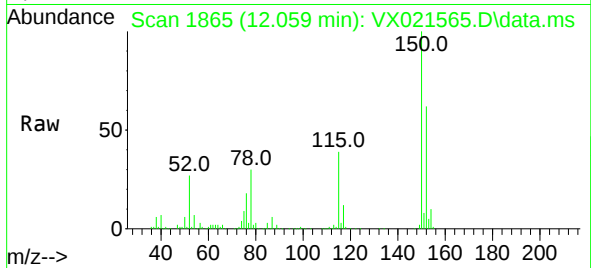




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

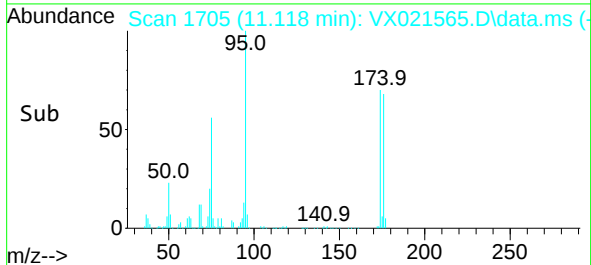
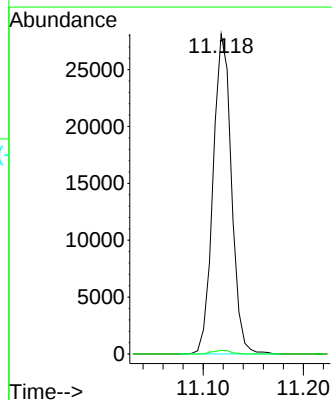
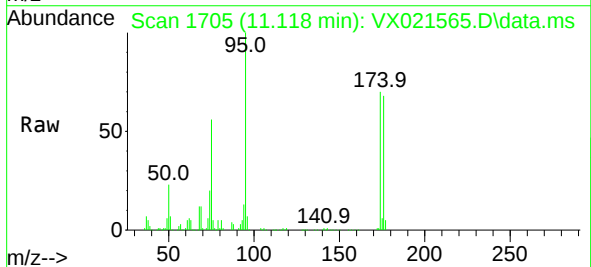
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0329WBL01

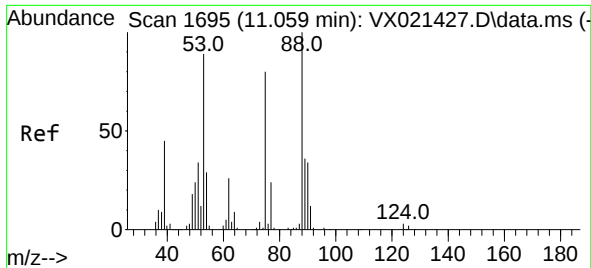
Tgt Ion:152 Resp: 57784  
Ion Ratio Lower Upper  
152 100  
115 63.9 41.1 123.3  
150 162.4 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 26.61 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021565.D  
Acq: 29 Mar 2021 10:36

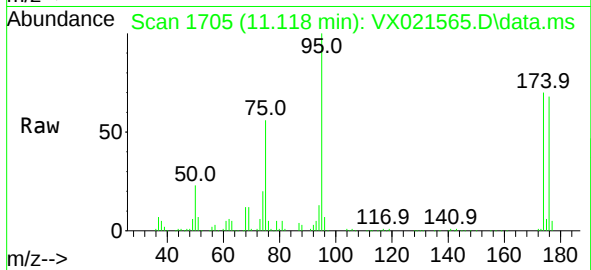
Tgt Ion: 75 Resp: 35799  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 81.06 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021565.D  
 Acq: 29 Mar 2021 10:36

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0329WBL01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 35799  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 74.5  | 111.7# |
| 89       | 0.0   | 37.9  | 56.9#  |

