

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032421\  
 Data File : VX021453.D  
 Acq On : 24 Mar 2021 23:04  
 Operator : JC/MD  
 Sample : M1770-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-03232021

Quant Time: Mar 25 06:52:18 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

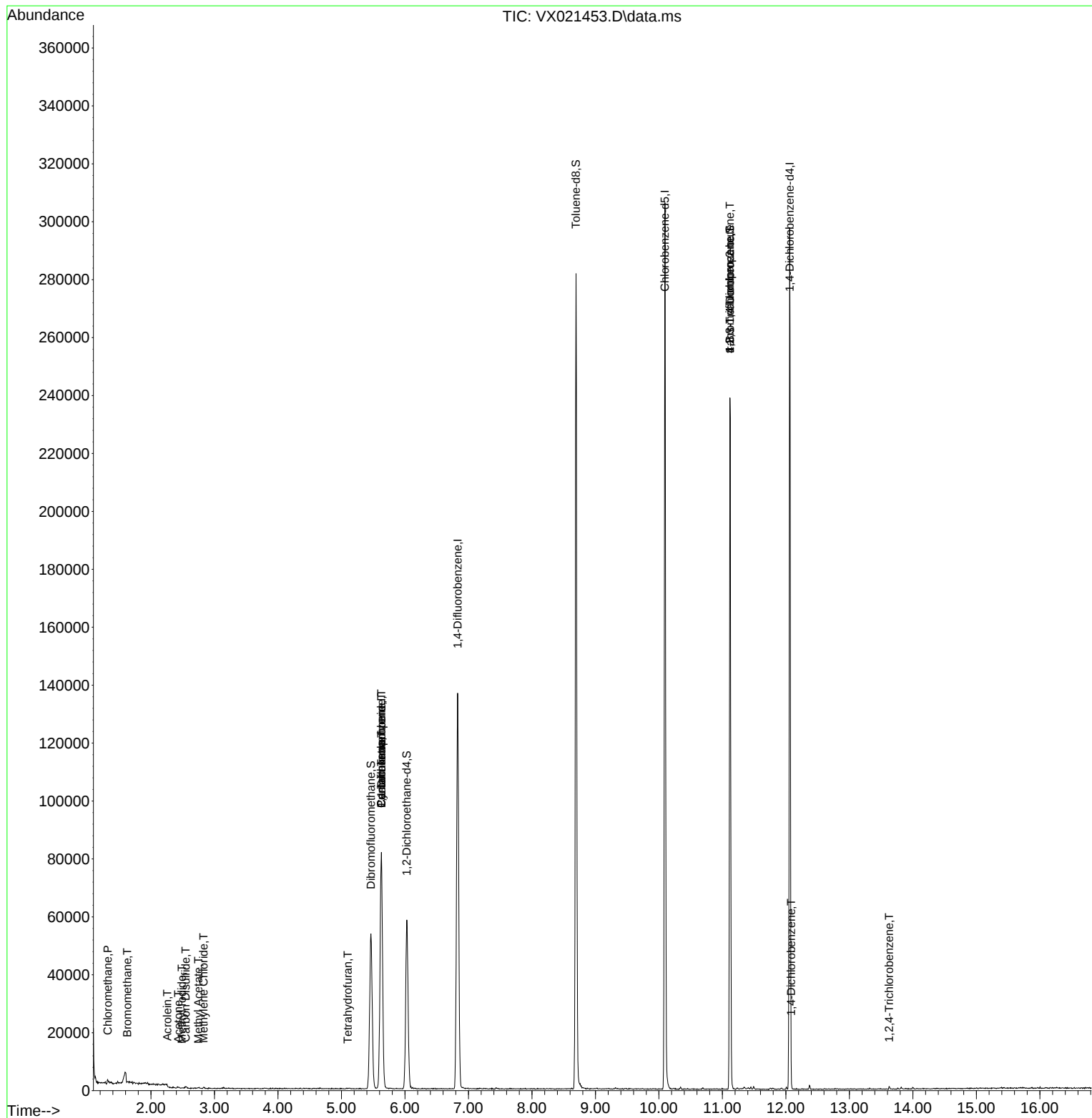
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 70293      | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829          | 114  | 126632     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 122647     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059         | 152  | 54830      | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029          | 65   | 57563      | 49.22  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 98.44% |        |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 43778      | 48.67  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 97.34% |        |          |
| 50) Toluene-d8                | 8.694          | 98   | 157068     | 49.00  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.00% |        |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 62297      | 49.99  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 99.98% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        |        | Qvalue   |
| 3) Chloromethane              | 1.317          | 50   | 1934       | 2.22   | ug/l   | 97       |
| 5) Bromomethane               | 1.628          | 94   | 178        | 0.56   | ug/l # | 74       |
| 10) Methyl Iodide             | 2.487          | 142  | 124        | 6.83   | ug/l # | 61       |
| 13) Acrolein                  | 2.258          | 56   | 44         | 4.74   | ug/l # | 78       |
| 16) Acetone                   | 2.429          | 43   | 289        | 0.65   | ug/l # | 40       |
| 17) Carbon Disulfide          | 2.546          | 76   | 704        | 0.35   | ug/l # | 75       |
| 18) Methyl Acetate            | 2.746          | 43   | 361        | 0.28   | ug/l # | 47       |
| 20) Methylene Chloride        | 2.829          | 84   | 220        | 0.25   | ug/l # | 81       |
| 29) Tetrahydrofuran           | 5.100          | 42   | 189        | 0.43   | ug/l # | 27       |
| 31) Cyclohexane               | 5.629          | 56   | 2129       | 1.66   | ug/l # | 37       |
| 36) 1,1-Dichloropropene       | 5.629          | 75   | 6445       | 5.19   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 7989       | 5.99   | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 35478      | 27.79  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 35478      | 84.66  | ug/l # | 12       |
| 88) 1,4-Dichlorobenzene       | 12.083         | 146  | 374        | 0.21   | ug/l # | 37       |
| 93) 1,2,4-Trichlorobenzene    | 13.624         | 180  | 282        | 0.26   | ug/l # | 76       |
| -----                         |                |      |            |        |        |          |

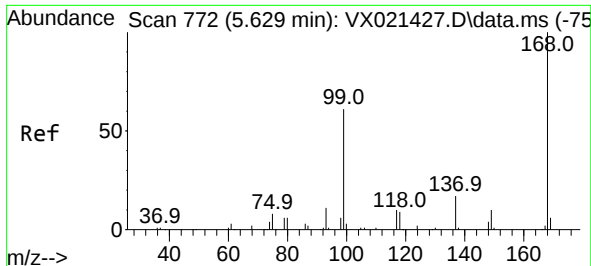
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032421\  
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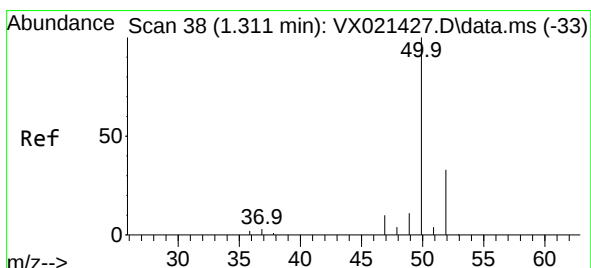
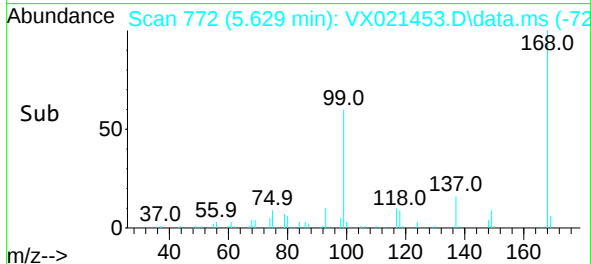
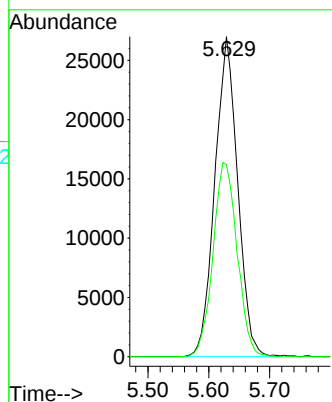
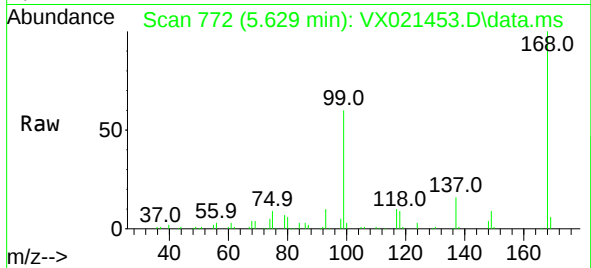




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

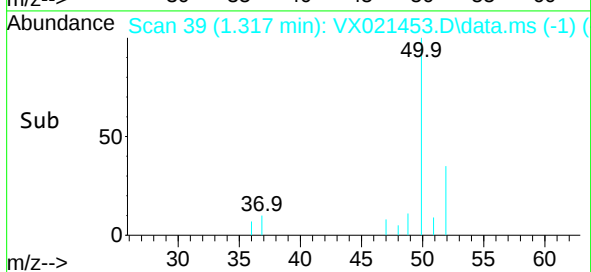
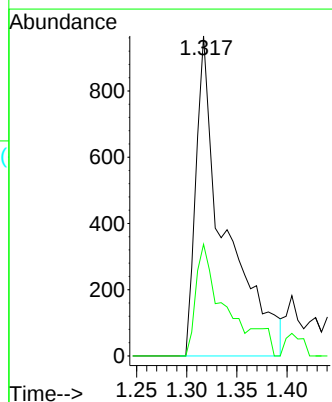
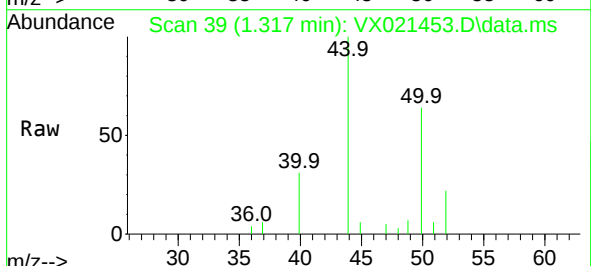
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

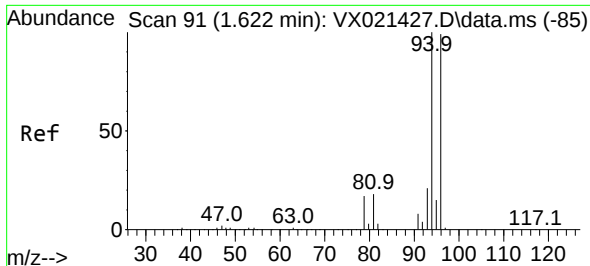
Tgt Ion:168 Resp: 70293  
Ion Ratio Lower Upper  
168 100  
99 60.0 45.8 68.6



#3  
Chloromethane  
Concen: 2.22 ug/l  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion: 50 Resp: 1934  
Ion Ratio Lower Upper  
50 100  
52 34.9 26.4 39.6

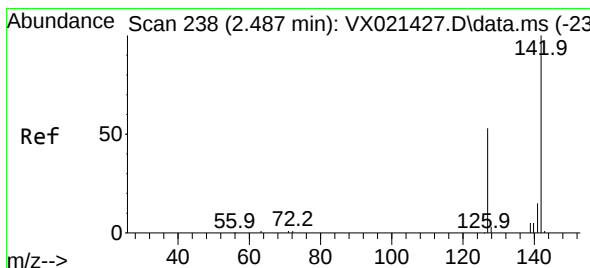
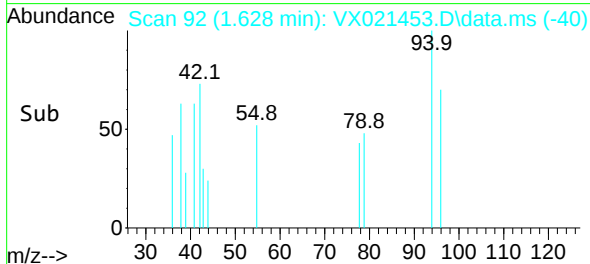
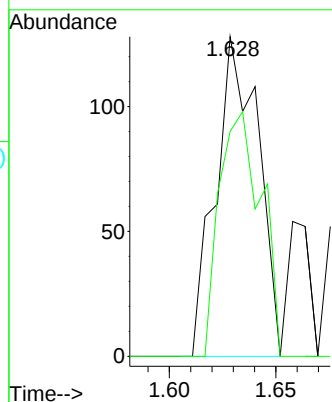
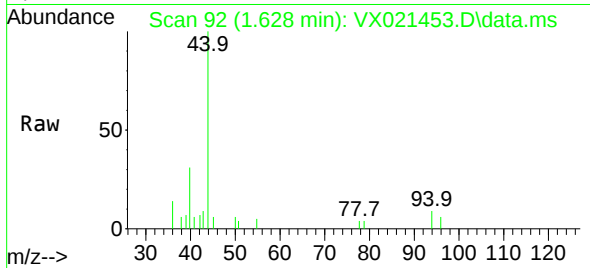




#5  
Bromomethane  
Concen: 0.56 ug/l  
RT: 1.628 min Scan# 92  
Delta R.T. 0.006 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

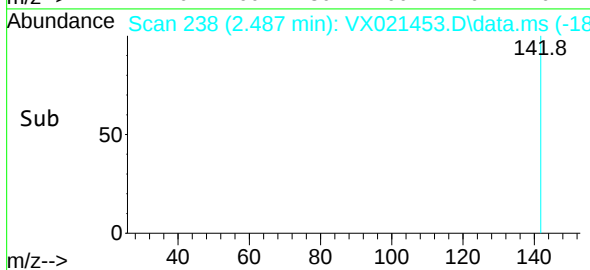
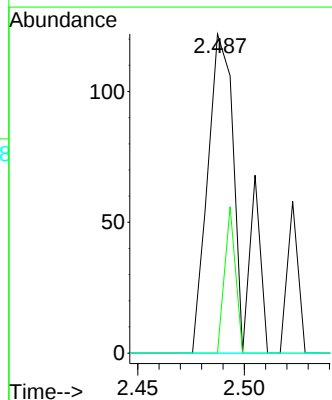
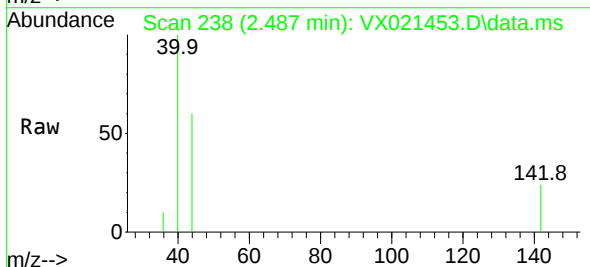
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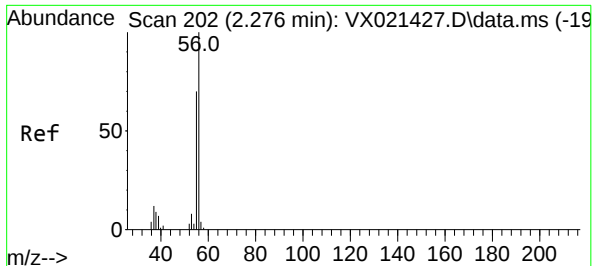
Tgt Ion: 94 Resp: 178  
Ion Ratio Lower Upper  
94 100  
96 70.3 76.4 114.6#



#10  
Methyl Iodide  
Concen: 6.83 ug/l  
RT: 2.487 min Scan# 238  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion: 142 Resp: 124  
Ion Ratio Lower Upper  
142 100  
127 16.1 33.3 49.9#  
141 0.0 11.4 17.0#

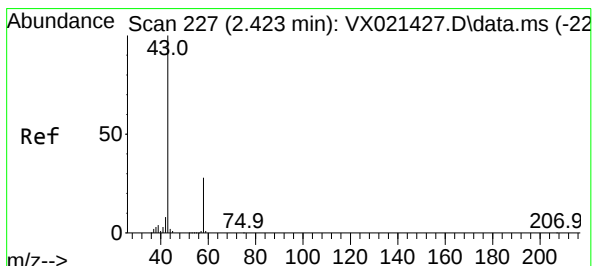
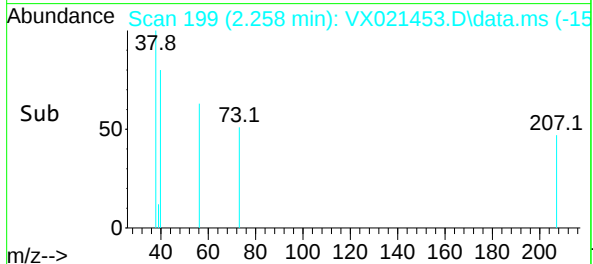
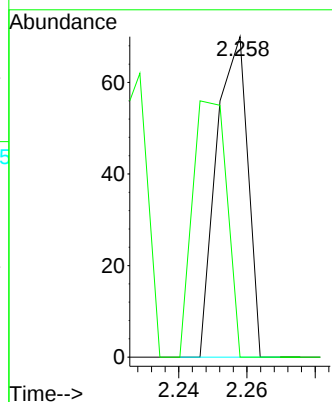
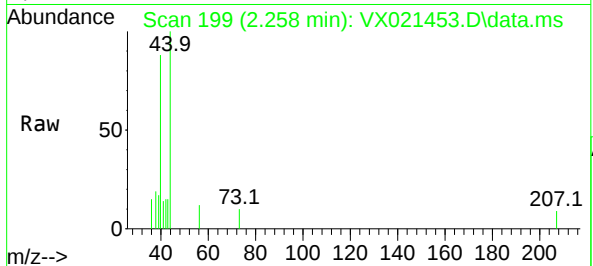




#13  
Acrolein  
Concen: 4.74 ug/l  
RT: 2.258 min Scan# 199  
Delta R.T. -0.018 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

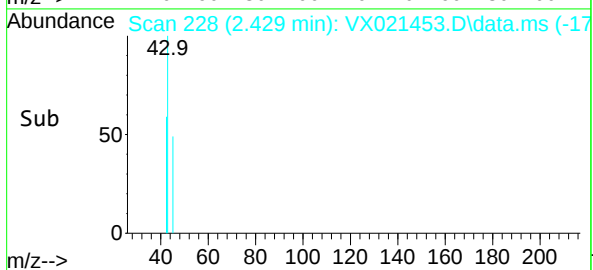
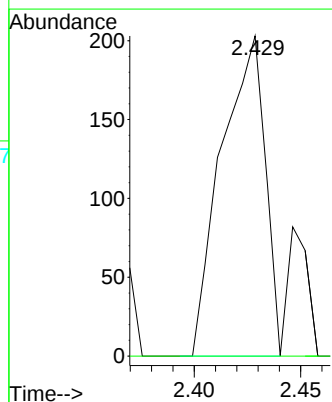
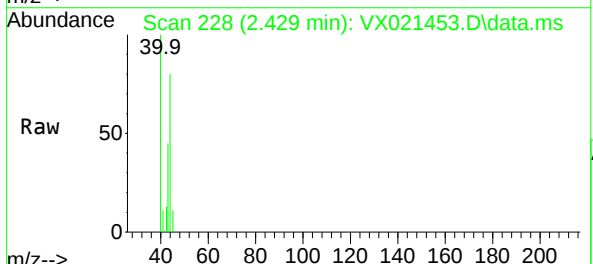
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

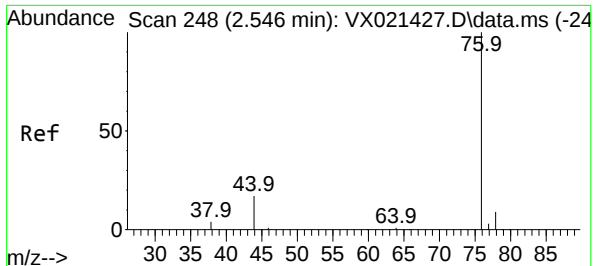
Tgt Ion: 56 Resp: 44  
Ion Ratio Lower Upper  
56 100  
55 88.6 56.4 84.6#



#16  
Acetone  
Concen: 0.65 ug/l  
RT: 2.429 min Scan# 228  
Delta R.T. 0.006 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion: 43 Resp: 289  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#





#17

Carbon Disulfide

Concen: 0.35 ug/l

RT: 2.546 min Scan# 248

Delta R.T. 0.000 min

Lab File: VX021453.D

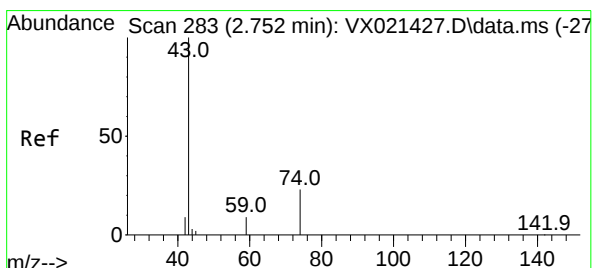
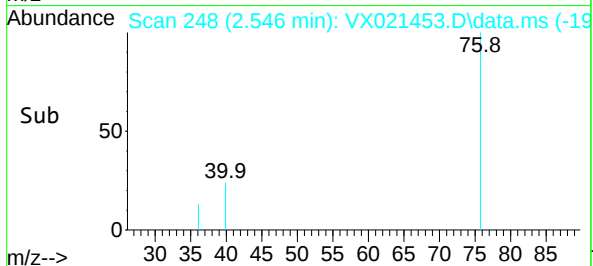
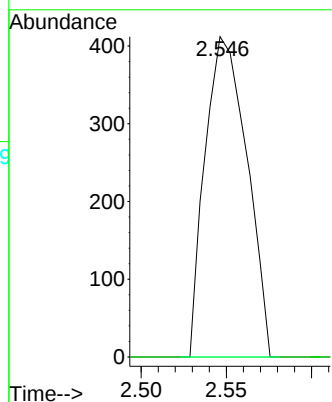
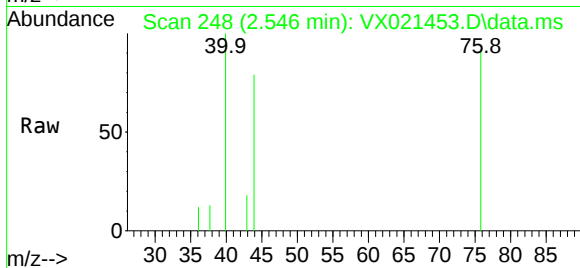
Acq: 24 Mar 2021 23:04

Tgt Ion: 76 Resp: 704

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.28 ug/l

RT: 2.746 min Scan# 282

Delta R.T. -0.006 min

Lab File: VX021453.D

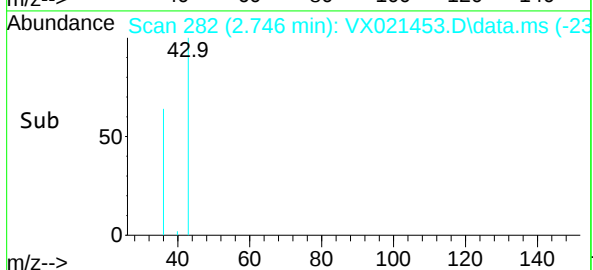
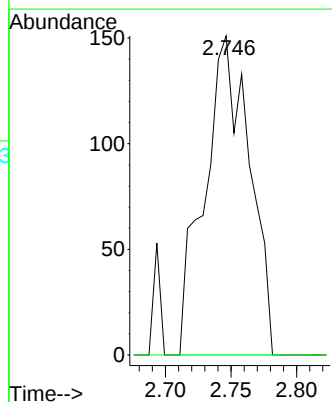
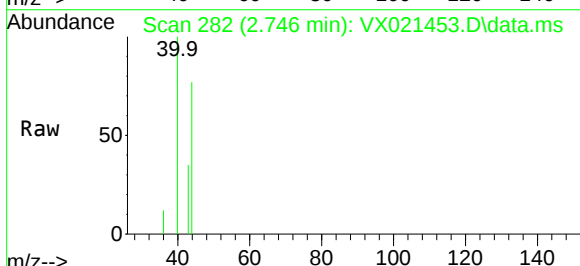
Acq: 24 Mar 2021 23:04

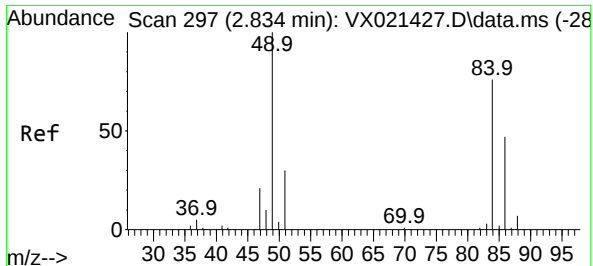
Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021453.D

Acq: 24 Mar 2021 23:04

Tgt Ion: 84 Resp: 220

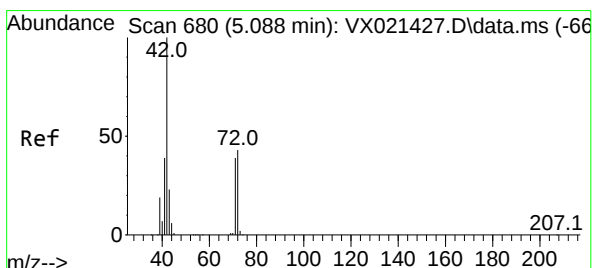
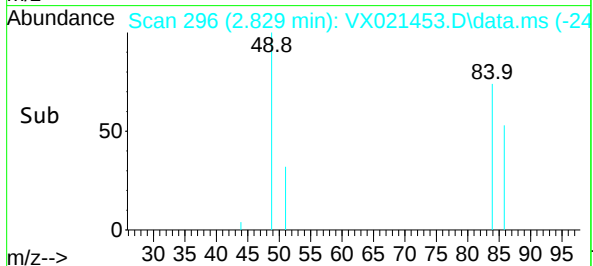
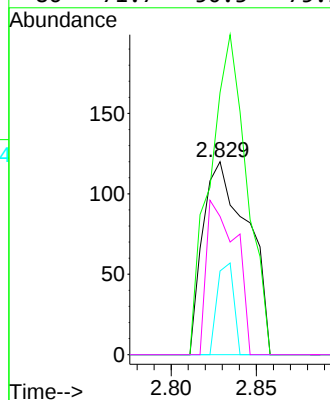
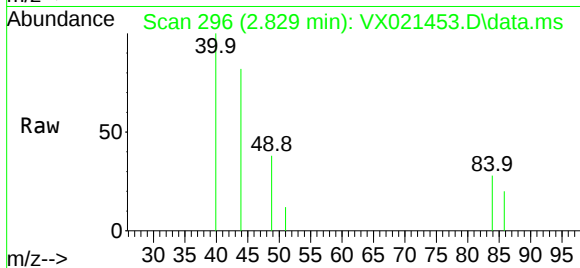
Ion Ratio Lower Upper

84 100

49 135.8 88.6 132.8#

51 43.3 27.0 40.6#

86 71.7 50.3 75.5



#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.100 min Scan# 682

Delta R.T. 0.012 min

Lab File: VX021453.D

Acq: 24 Mar 2021 23:04

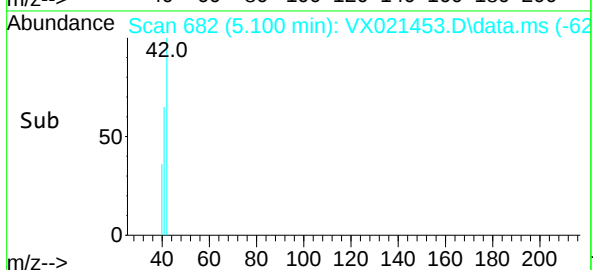
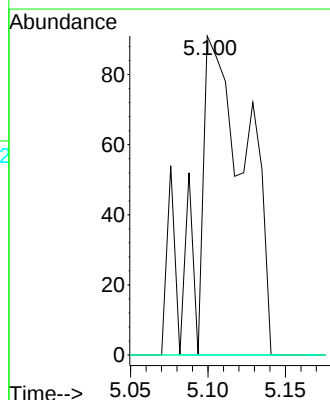
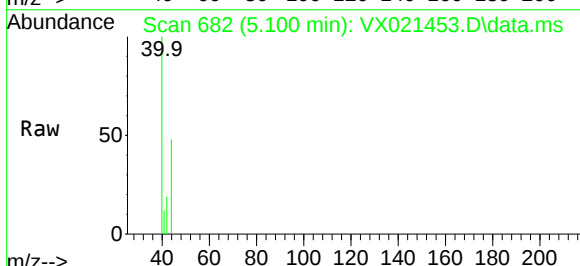
Tgt Ion: 42 Resp: 189

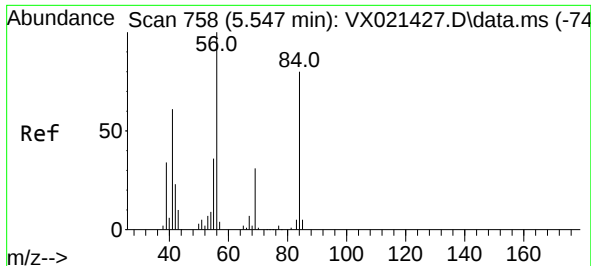
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 0.0 38.4 57.6#





#31

Cyclohexane

Concen: 1.66 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021453.D

Acq: 24 Mar 2021 23:04

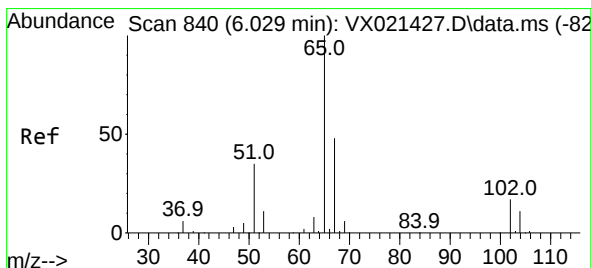
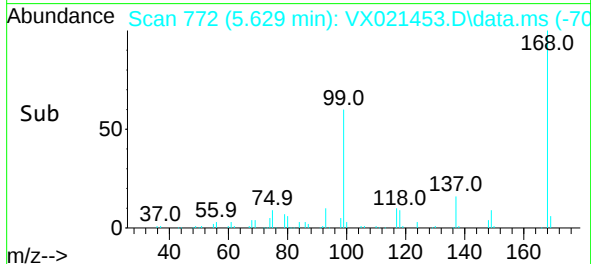
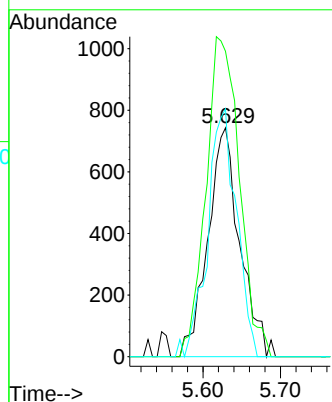
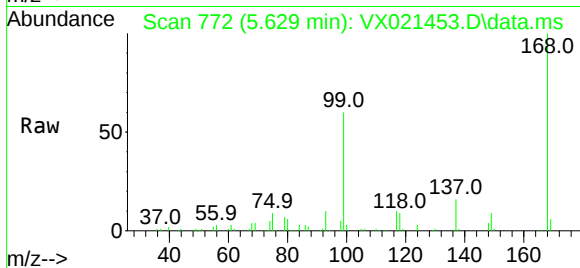
Tgt Ion: 56 Resp: 2129

Ion Ratio Lower Upper

56 100

69 133.5 25.3 37.9#

84 108.3 71.4 107.0#



#33

1,2-Dichloroethane-d4

Concen: 49.22 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021453.D

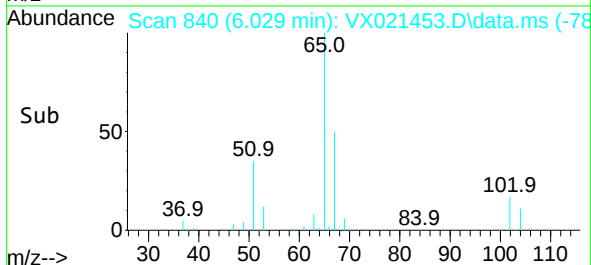
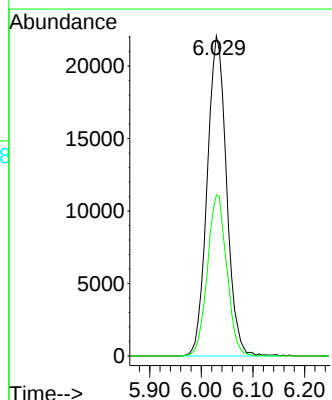
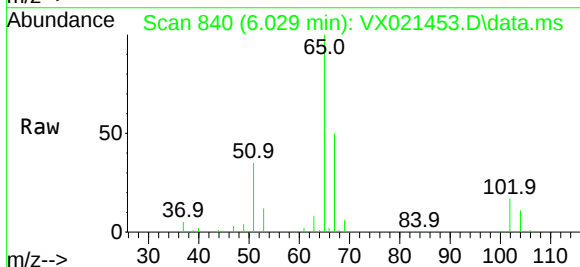
Acq: 24 Mar 2021 23:04

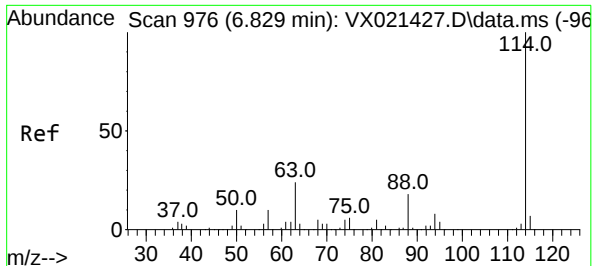
Tgt Ion: 65 Resp: 57563

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.4

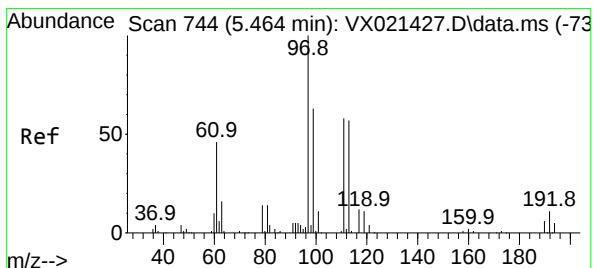
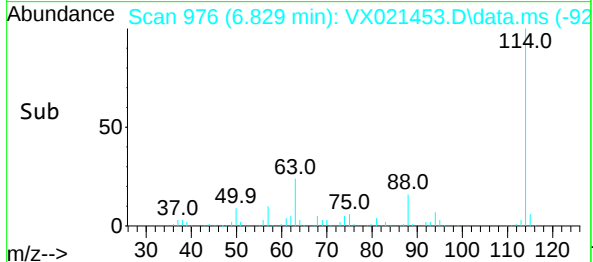
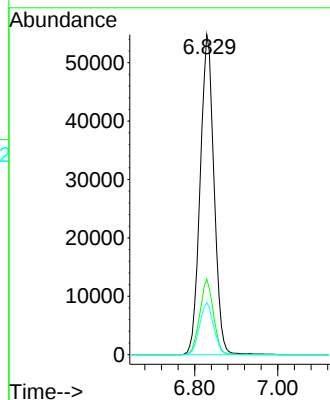
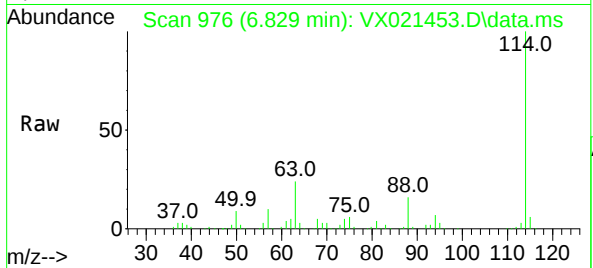




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

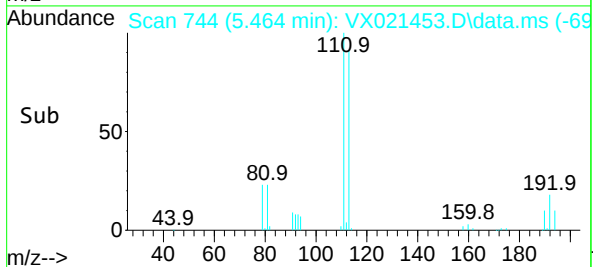
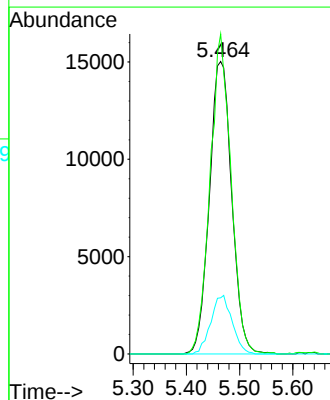
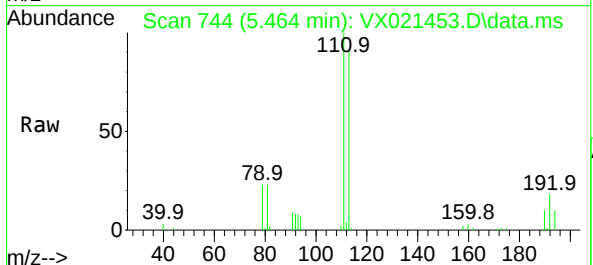
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

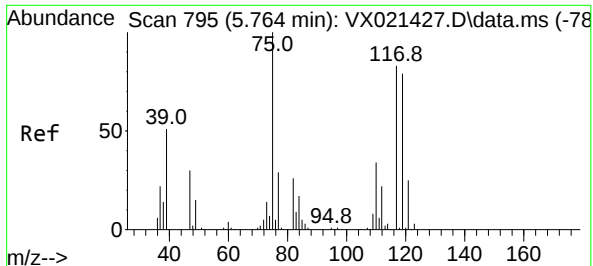
Tgt Ion:114 Resp: 126632  
Ion Ratio Lower Upper  
114 100  
63 23.6 0.0 40.8  
88 16.3 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 48.67 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion:113 Resp: 43778  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.9 122.9  
192 19.1 16.7 25.1

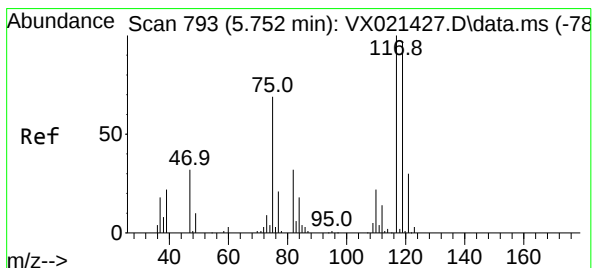
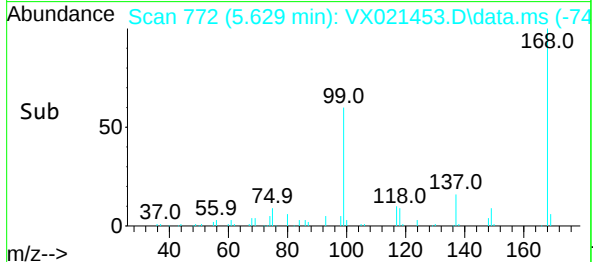
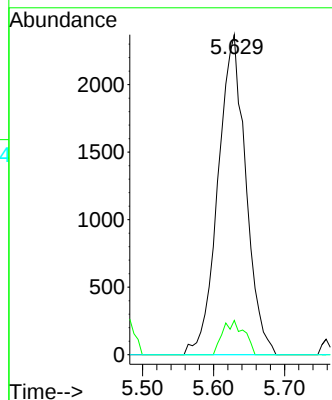
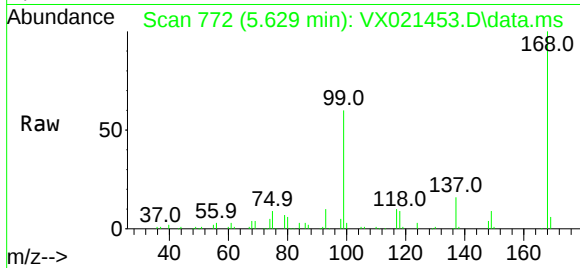




#36  
1,1-Dichloropropene  
Concen: 5.19 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.135 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

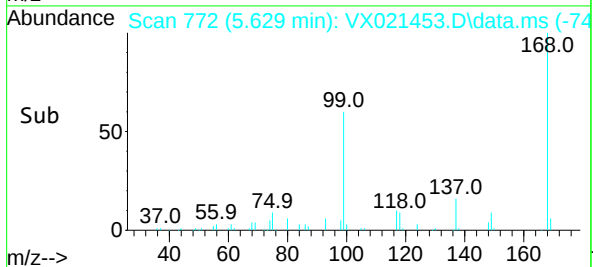
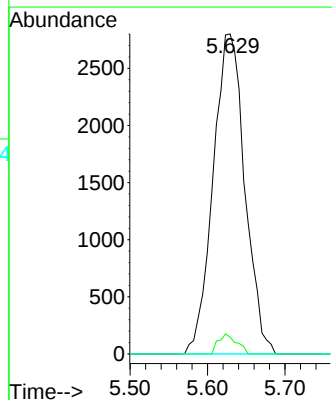
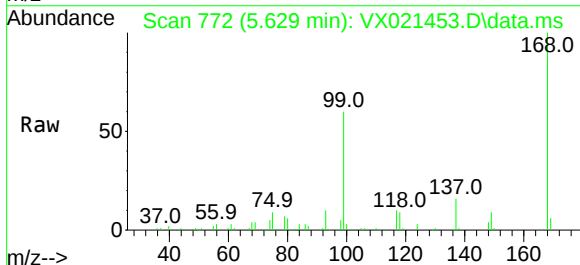
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

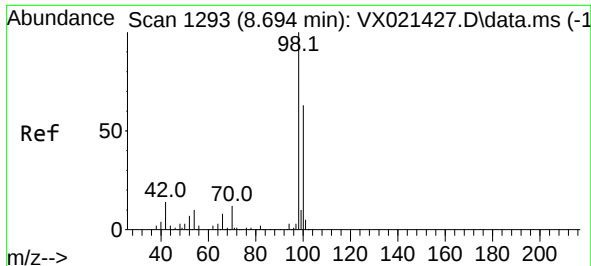
Tgt Ion: 75 Resp: 6445  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.99 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.123 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion: 117 Resp: 7989  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.2 114.2#  
121 0.0 24.8 37.2#

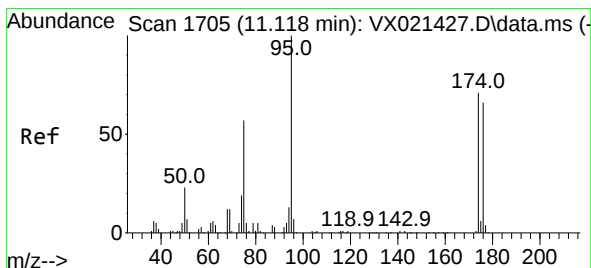
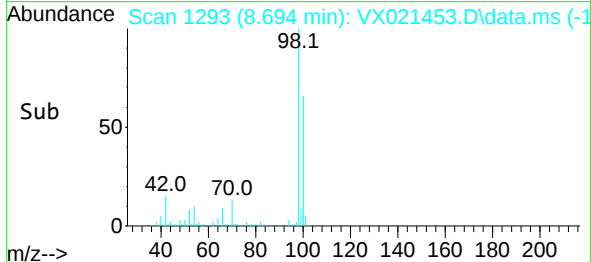
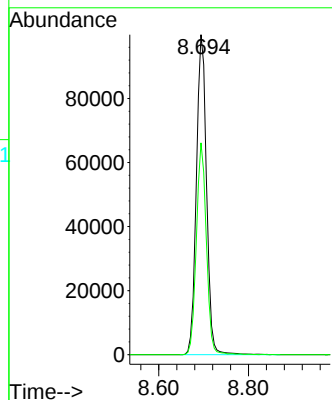
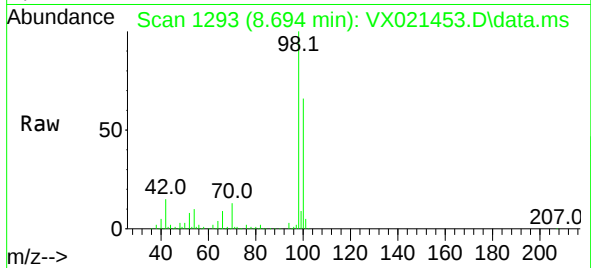




#50  
Toluene-d8  
Concen: 49.00 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

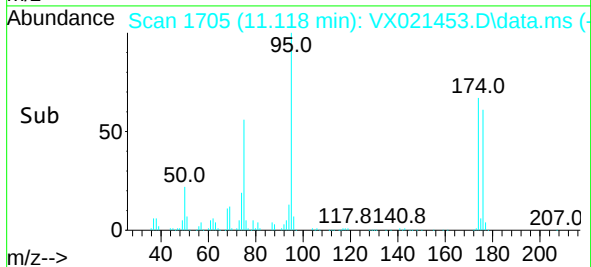
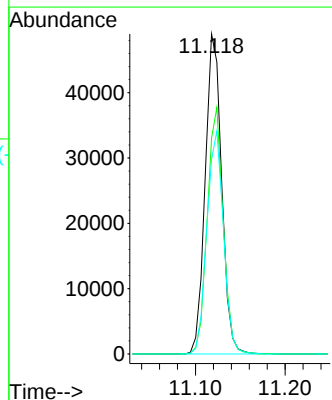
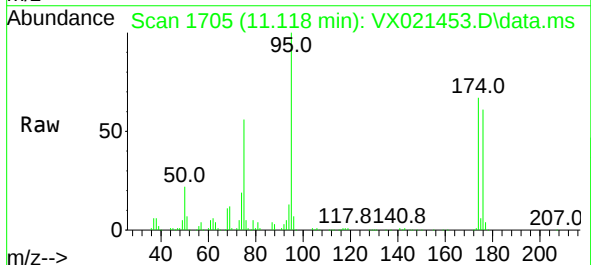
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

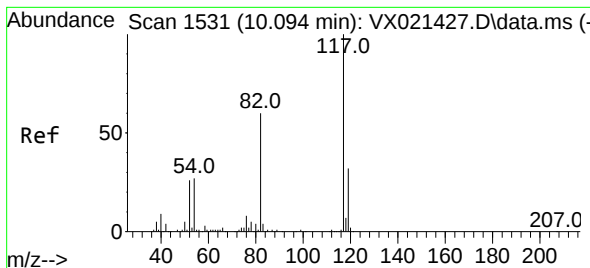
Tgt Ion: 98 Resp: 157068  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 49.99 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion: 95 Resp: 62297  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 154.6  
176 70.6 0.0 155.8

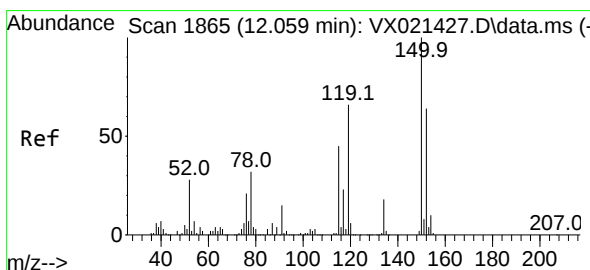
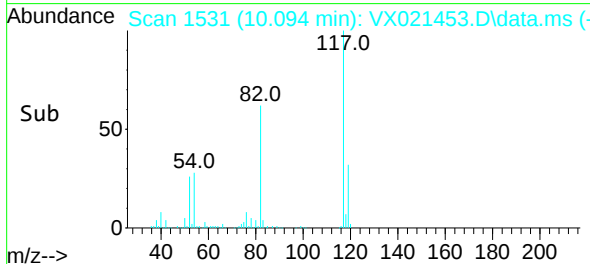
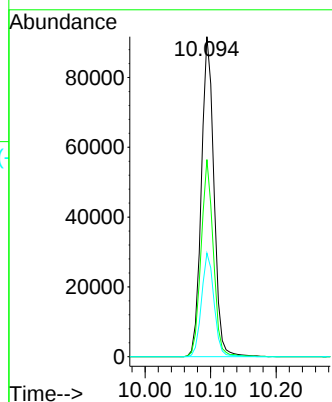
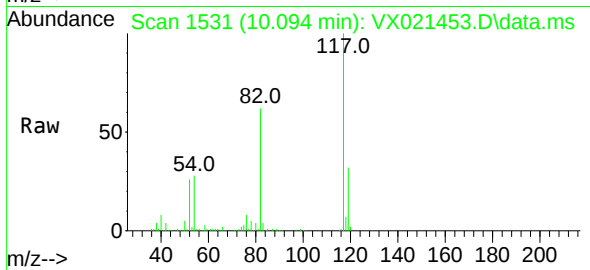




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

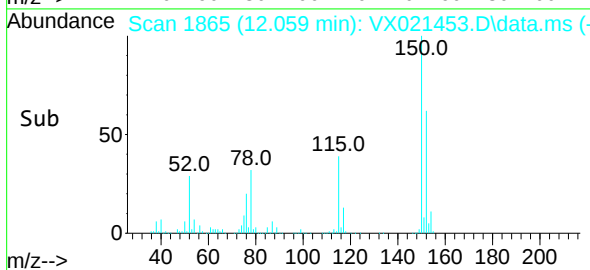
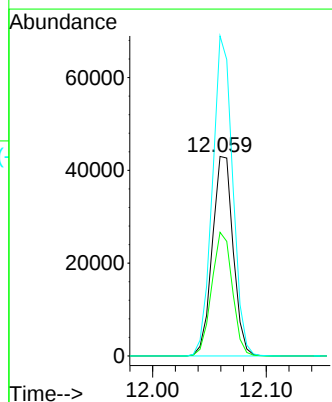
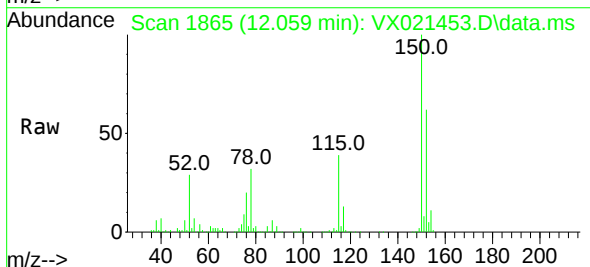
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

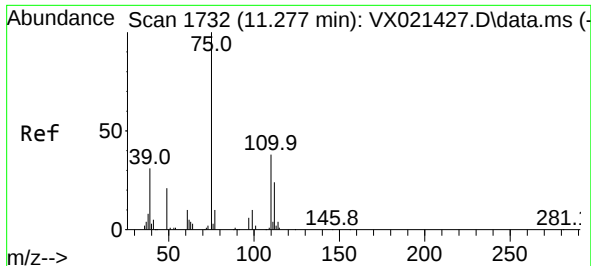
Tgt Ion:117 Resp: 122647  
Ion Ratio Lower Upper  
117 100  
82 61.6 47.4 71.2  
119 32.4 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion:152 Resp: 54830  
Ion Ratio Lower Upper  
152 100  
115 61.3 41.1 123.3  
150 155.6 0.0 349.0

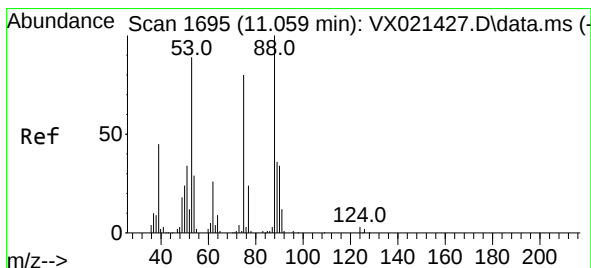
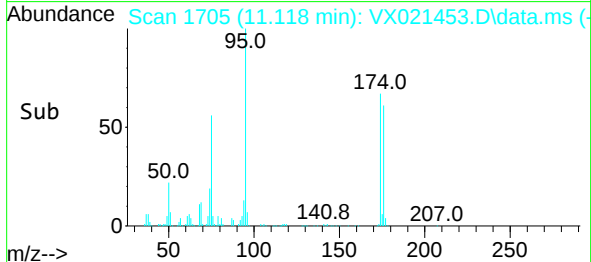
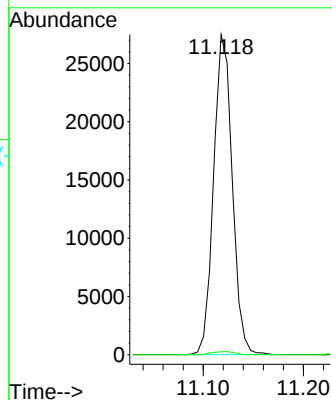
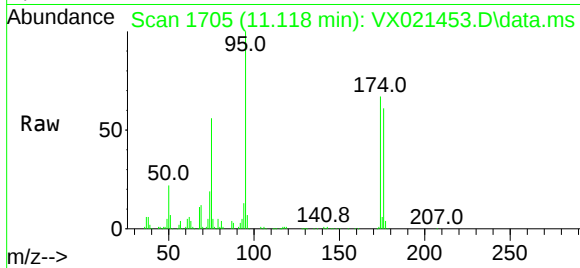




#76  
1,2,3-Trichloropropane  
Concen: 27.79 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

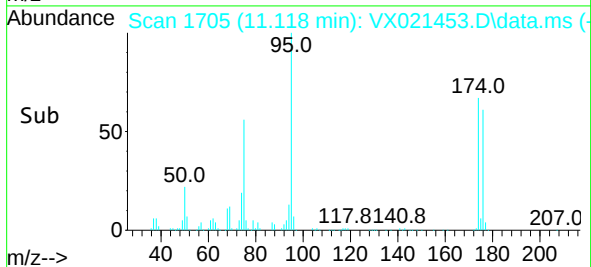
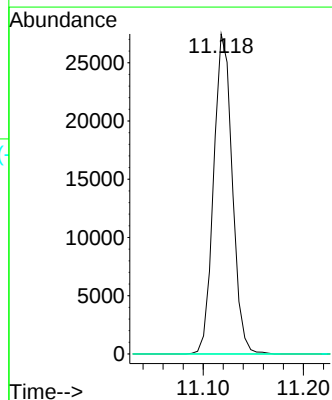
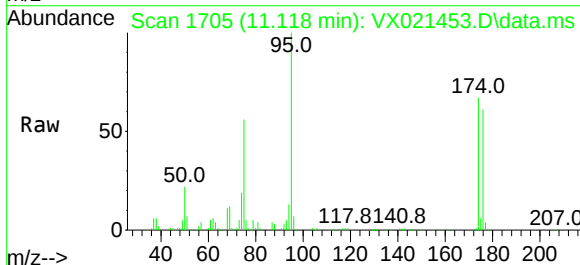
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

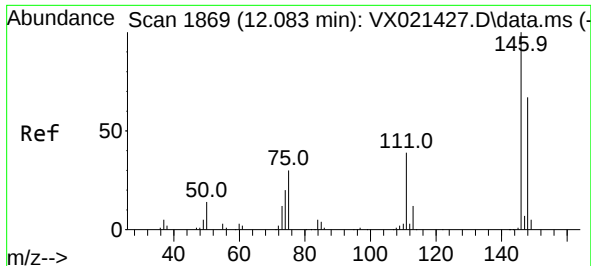
Tgt Ion: 75 Resp: 35478  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.66 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion: 75 Resp: 35478  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

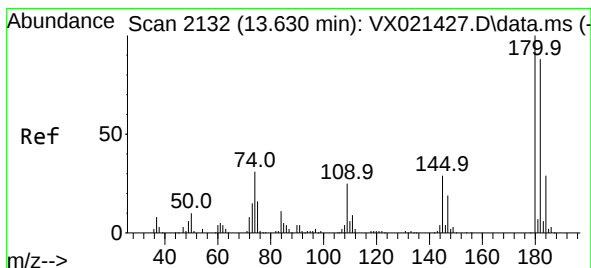
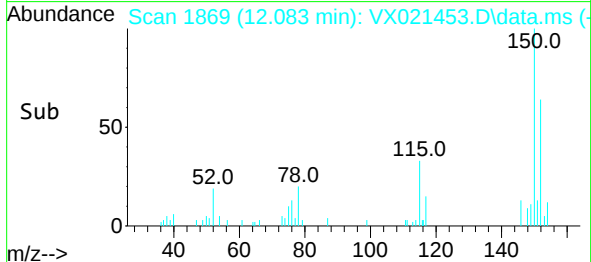
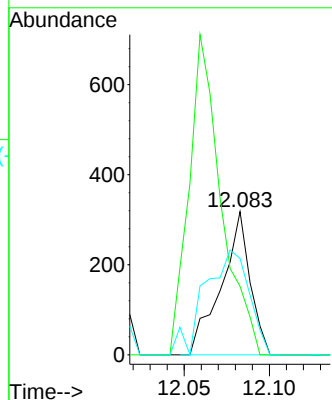
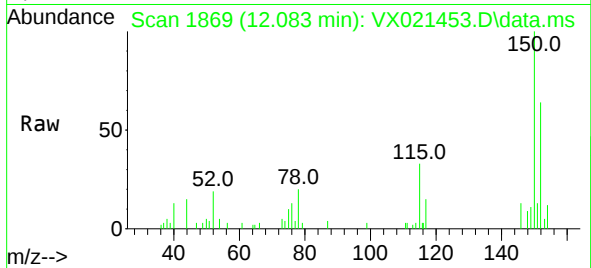




#88  
1,4-Dichlorobenzene  
Concen: 0.21 ug/l  
RT: 12.083 min Scan# 1869  
Delta R.T. -0.000 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-03232021

Tgt Ion:146 Resp: 374  
Ion Ratio Lower Upper  
146 100  
111 0.0 19.6 58.8#  
148 112.0 31.6 95.0#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.26 ug/l  
RT: 13.624 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: VX021453.D  
Acq: 24 Mar 2021 23:04

Tgt Ion:180 Resp: 282  
Ion Ratio Lower Upper  
180 100  
182 73.8 47.7 143.1  
145 14.2 15.0 45.0#

