

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040121\  
 Data File : VX021719.D  
 Acq On : 01 Apr 2021 19:24  
 Operator : JC/MD  
 Sample : M1895-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2R

Quant Time: Apr 02 03:31:47 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

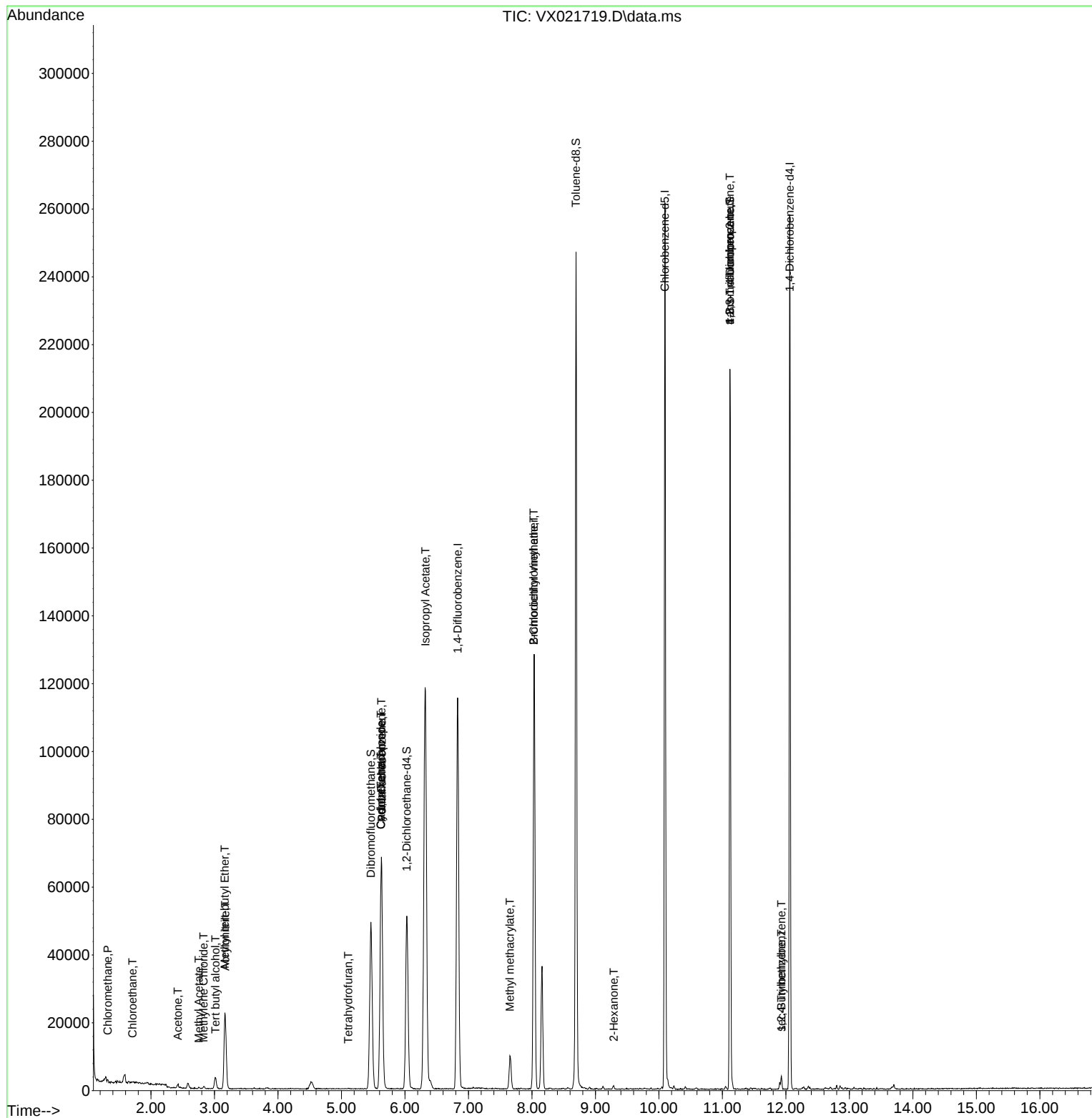
| Compound                      | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-----------|----------|
| Internal Standards            |        |       |          |          |           |          |
| 1) Pentafluorobenzene         | 5.635  | 168   | 59258    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 109788   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 110514   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 48073    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 51003    | 51.73    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 103.46% |          |
| 35) Dibromofluoromethane      | 5.464  | 113   | 39306    | 50.40    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.80% |          |
| 50) Toluene-d8                | 8.694  | 98    | 137600   | 49.51    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 99.02%  |          |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 54128    | 50.10    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.20% |          |
| Target Compounds              |        |       |          |          |           | Qvalue   |
| 3) Chloromethane              | 1.317  | 50    | 1009     | 1.39     | ug/l      | 89       |
| 6) Chloroethane               | 1.711  | 64    | 126      | 0.30     | ug/l #    | 43       |
| 11) Tert butyl alcohol        | 3.017  | 59    | 3194     | 19.60    | ug/l #    | 94       |
| 15) Acrylonitrile             | 3.170  | 53    | 388      | 1.00     | ug/l #    | 12       |
| 16) Acetone                   | 2.423  | 43    | 1358     | 3.64     | ug/l #    | 87       |
| 18) Methyl Acetate            | 2.752  | 43    | 441      | 0.41     | ug/l #    | 73       |
| 19) Methyl tert-butyl Ether   | 3.164  | 73    | 22603    | 10.14    | ug/l      | 100      |
| 20) Methylene Chloride        | 2.829  | 84    | 210      | 0.29     | ug/l #    | 83       |
| 29) Tetrahydrofuran           | 5.105  | 42    | 118      | 0.32     | ug/l #    | 27       |
| 31) Cyclohexane               | 5.623  | 56    | 1825     | 1.68     | ug/l #    | 42       |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 5268     | 4.90     | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 6211     | 5.37     | ug/l #    | 18       |
| 43) Isopropyl Acetate         | 6.323  | 43    | 28944    | 14.33    | ug/l #    | 57       |
| 47) Bromodichloromethane      | 8.029  | 83    | 934      | 0.76     | ug/l #    | 25       |
| 48) Methyl methacrylate       | 7.653  | 41    | 3174     | 2.95     | ug/l #    | 33       |
| 58) 2-Chloroethyl Vinyl ether | 8.029  | 63    | 269      | 0.40     | ug/l #    | 45       |
| 59) 2-Hexanone                | 9.288  | 43    | 639      | 0.69     | ug/l      | 65       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 30142    | 26.93    | ug/l #    | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 30142    | 82.04    | ug/l #    | 12       |
| 84) 1,2,4-Trimethylbenzene    | 11.930 | 105   | 1812     | 0.62     | ug/l #    | 31       |
| 85) sec-Butylbenzene          | 11.930 | 105   | 1812     | 0.56     | ug/l #    | 72       |

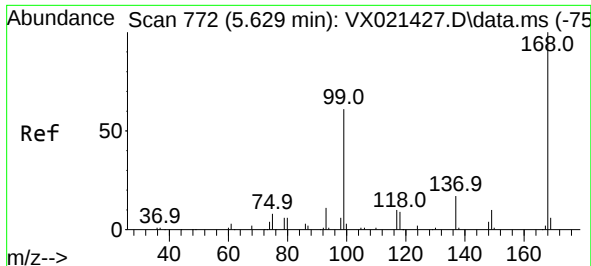
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040121\  
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ClientSampleId :  
MW-2R

Quant Time: Apr 02 03:31:47 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

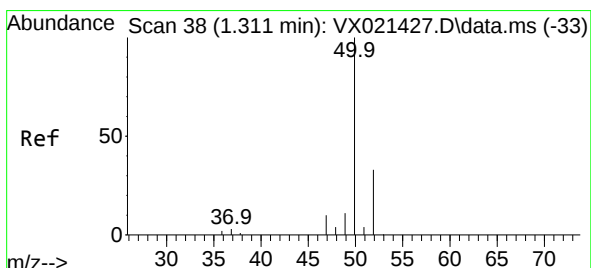
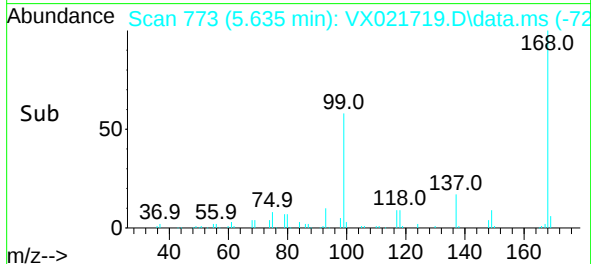
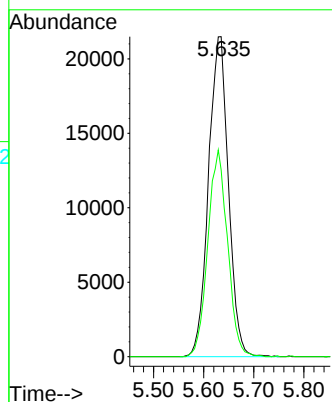
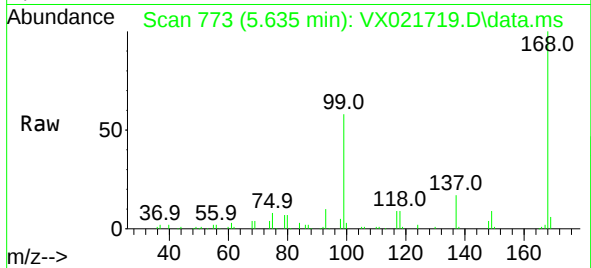




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.006 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

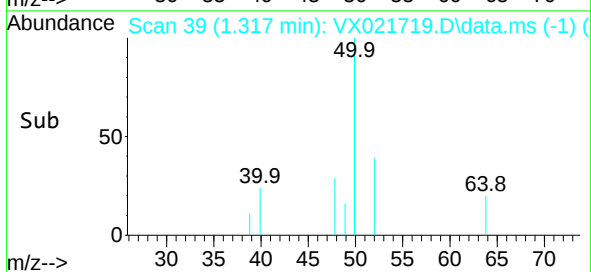
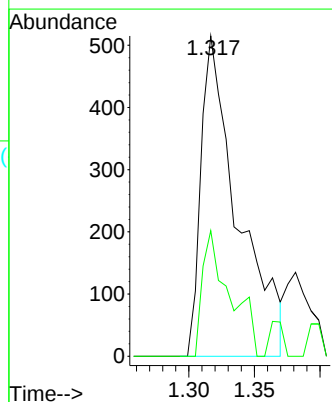
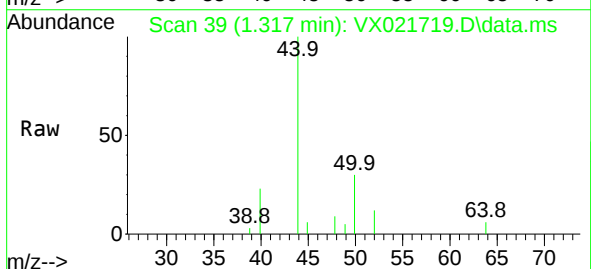
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

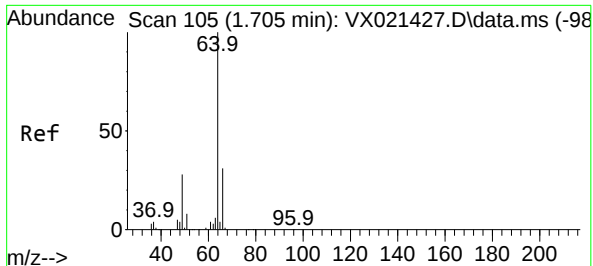
Tgt Ion:168 Resp: 59258  
Ion Ratio Lower Upper  
168 100  
99 58.4 45.8 68.6



#3  
Chloromethane  
Concen: 1.39 ug/l  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 50 Resp: 1009  
Ion Ratio Lower Upper  
50 100  
52 39.2 26.4 39.6

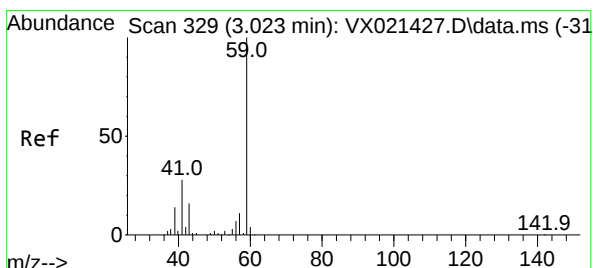
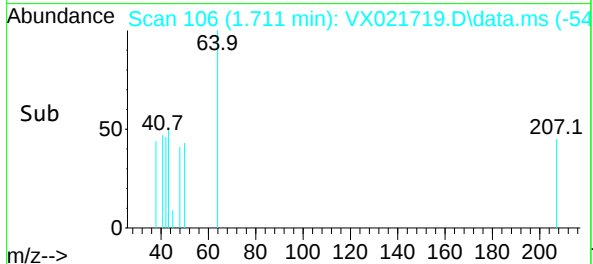
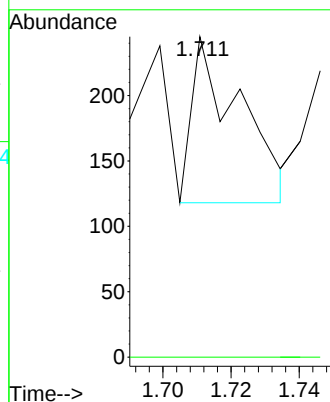
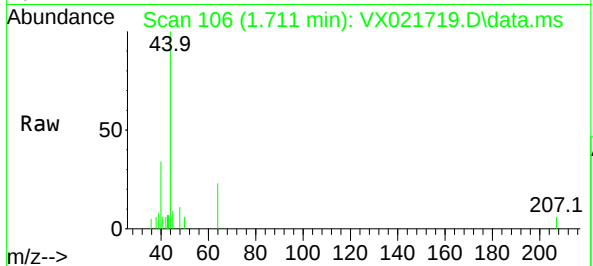




#6  
Chloroethane  
Concen: 0.30 ug/l  
RT: 1.711 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

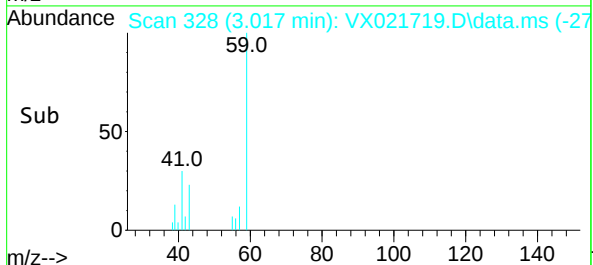
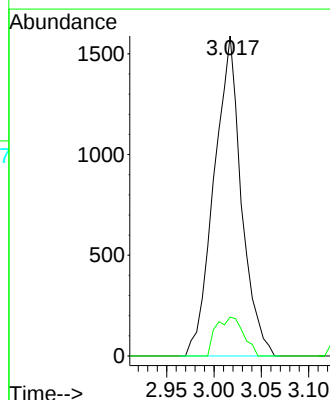
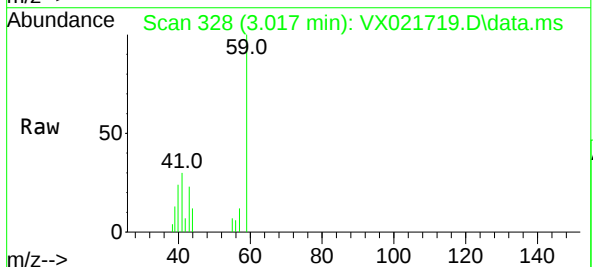
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2R

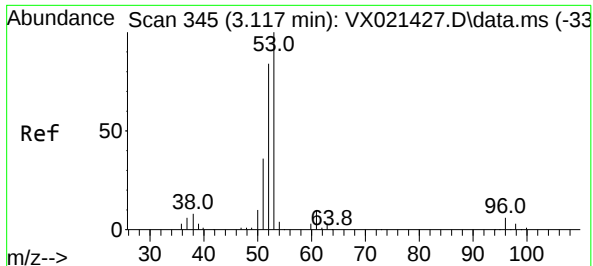
Tgt Ion: 64 Resp: 126  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#11  
Tert butyl alcohol  
Concen: 19.60 ug/l  
RT: 3.017 min Scan# 328  
Delta R.T. -0.006 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 59 Resp: 3194  
Ion Ratio Lower Upper  
59 100  
57 12.1 7.8 11.8#

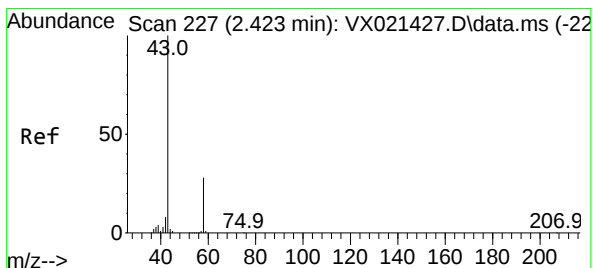
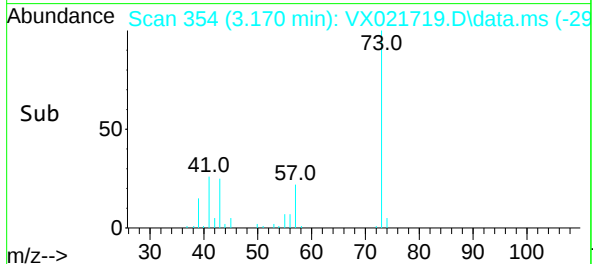
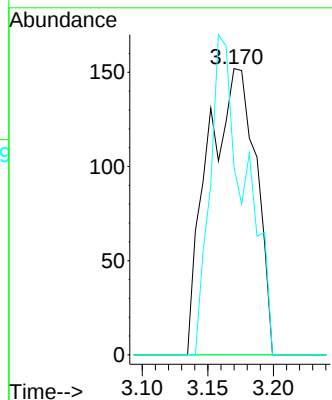
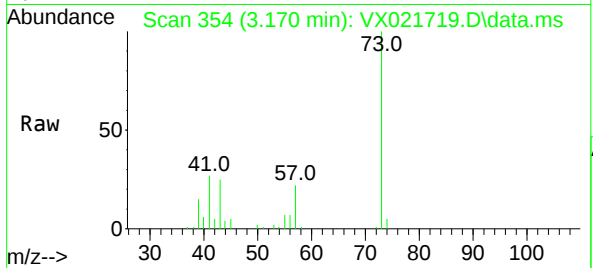




#15  
Acrylonitrile  
Concen: 1.00 ug/l  
RT: 3.170 min Scan# 354  
Delta R.T. 0.053 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

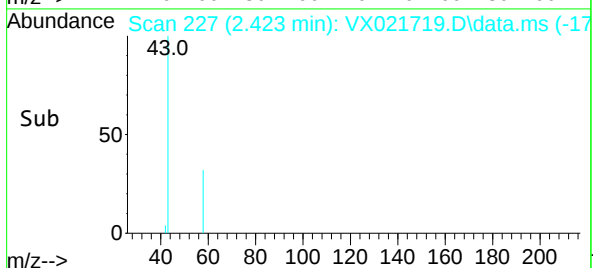
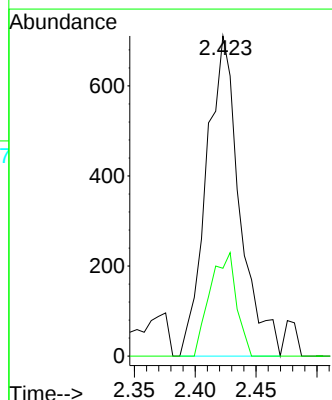
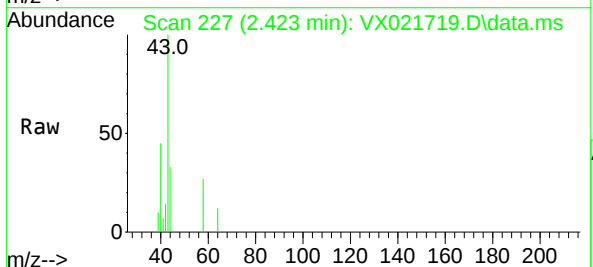
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

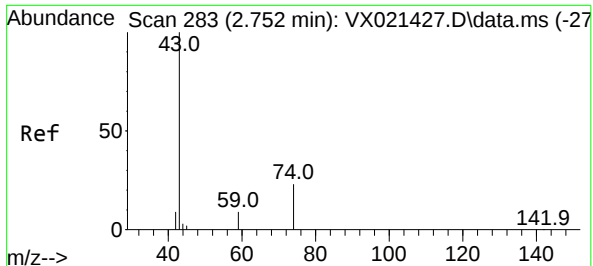
Tgt Ion: 53 Resp: 388  
Ion Ratio Lower Upper  
53 100  
52 0.0 65.3 97.9#  
51 81.4 28.2 42.2#



#16  
Acetone  
Concen: 3.64 ug/l  
RT: 2.423 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 43 Resp: 1358  
Ion Ratio Lower Upper  
43 100  
58 27.4 27.8 41.8#





#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 2.752 min Scan# 283

Delta R.T. 0.000 min

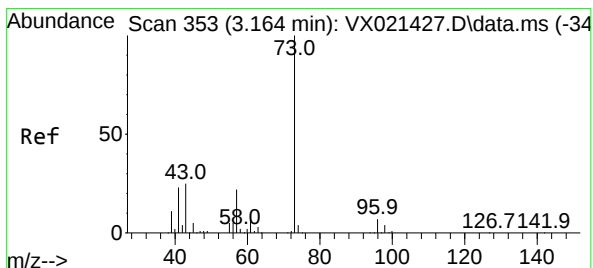
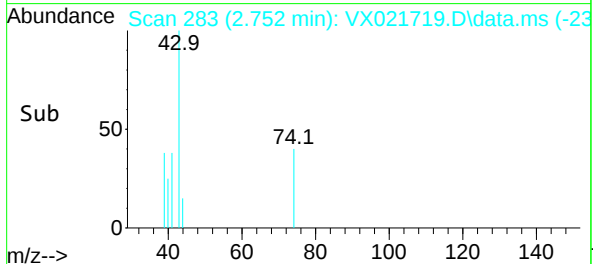
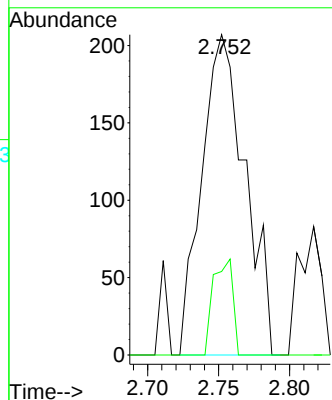
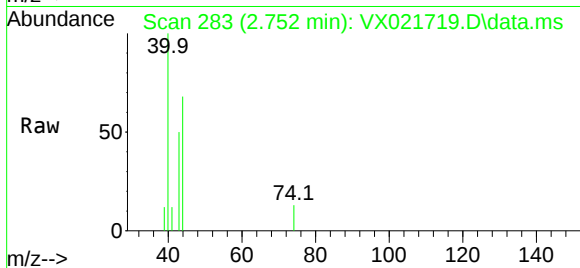
Lab File: VX021719.D

Acq: 01 Apr 2021 19:24

Tgt Ion: 43 Resp: 441

Ion Ratio Lower Upper

43 100  
74 13.4 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 10.14 ug/l

RT: 3.164 min Scan# 353

Delta R.T. -0.000 min

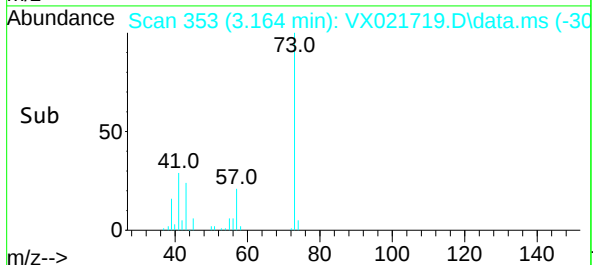
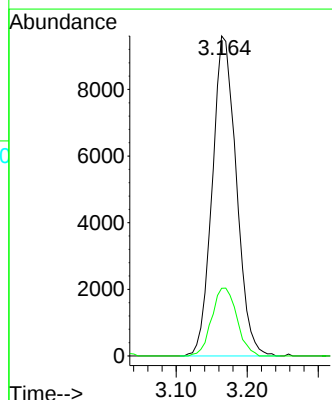
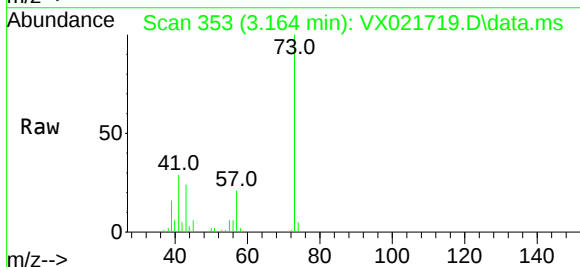
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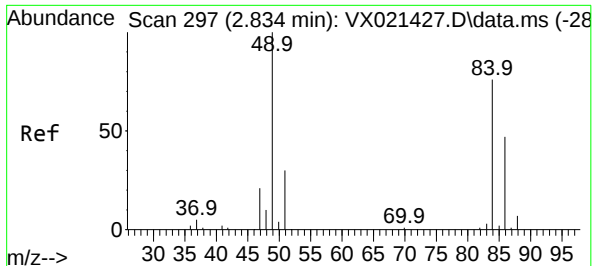
Acq: 01 Apr 2021 19:24

Tgt Ion: 73 Resp: 22603

Ion Ratio Lower Upper

73 100  
57 21.2 17.1 25.7





#20

Methylene Chloride

Concen: 0.29 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.005 min

Lab File: VX021719.D

Acq: 01 Apr 2021 19:24

Tgt Ion: 84 Resp: 210

Ion Ratio Lower Upper

84 100

49 106.1 88.6 132.8

51 0.0 27.0 40.6#

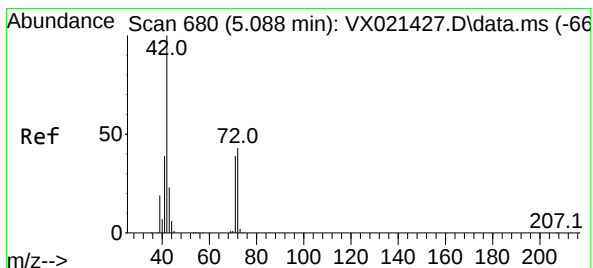
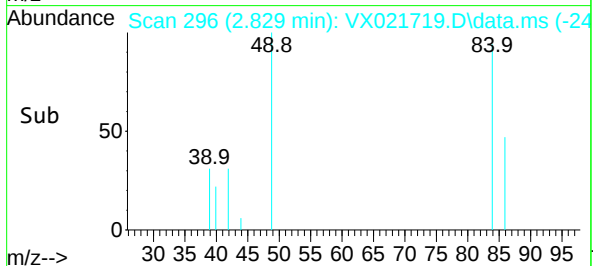
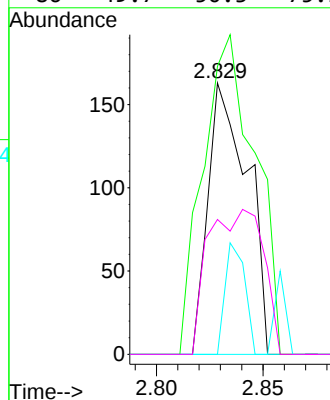
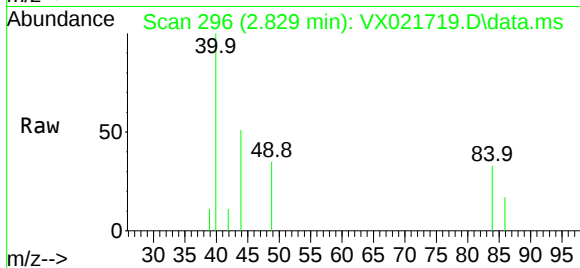
86 49.7 50.3 75.5#

Instrument :

MSVOA\_X

ClientSampleId :

MW-2R



#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

Lab File: VX021719.D

Acq: 01 Apr 2021 19:24

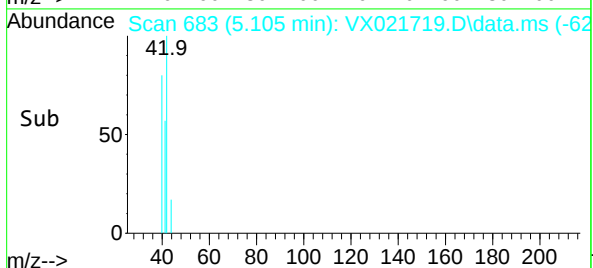
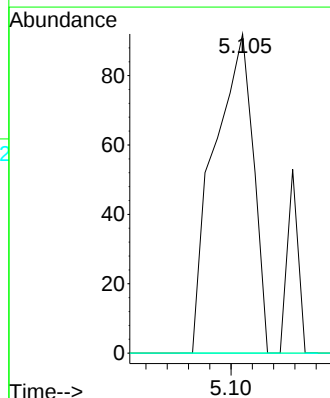
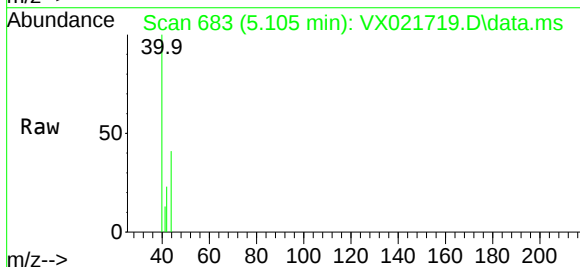
Tgt Ion: 42 Resp: 118

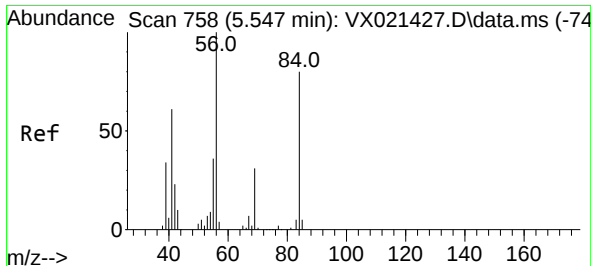
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

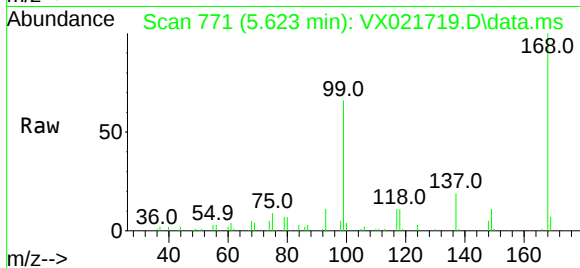
71 0.0 38.4 57.6#



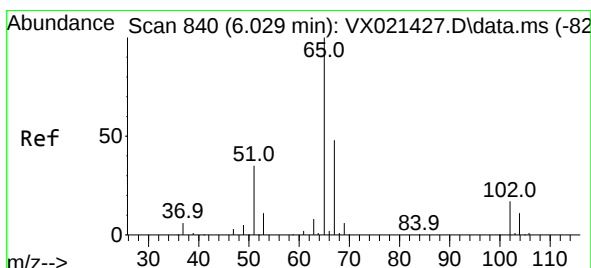
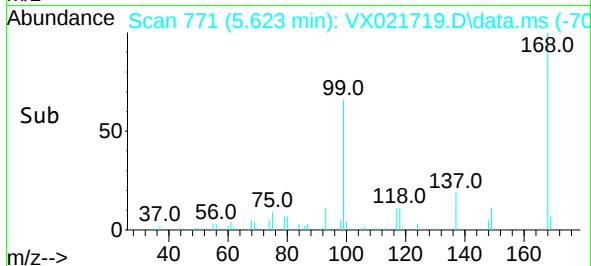
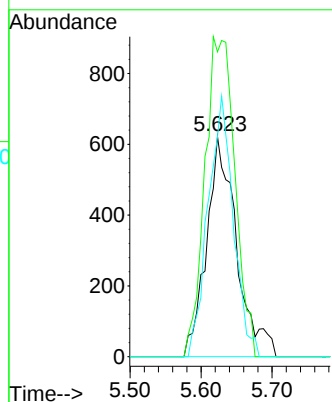


#31  
Cyclohexane  
Concen: 1.68 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2R

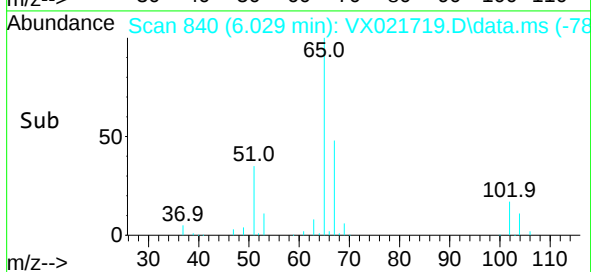
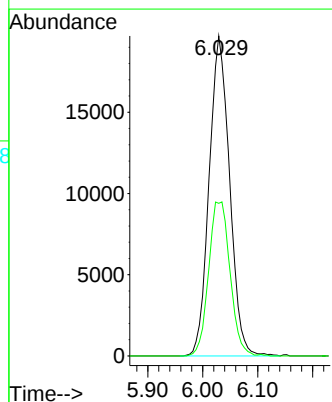
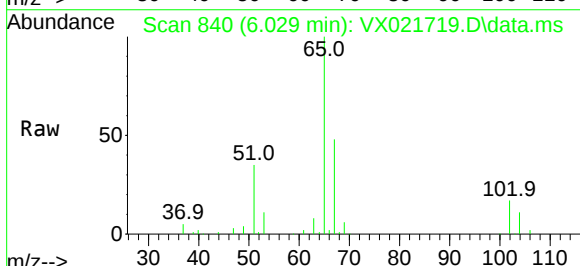


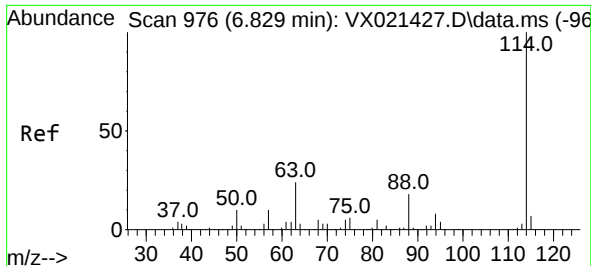
Tgt Ion: 56 Resp: 1825  
Ion Ratio Lower Upper  
56 100  
69 138.2 25.3 37.9#  
84 99.5 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.73 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 65 Resp: 51003  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 105.4

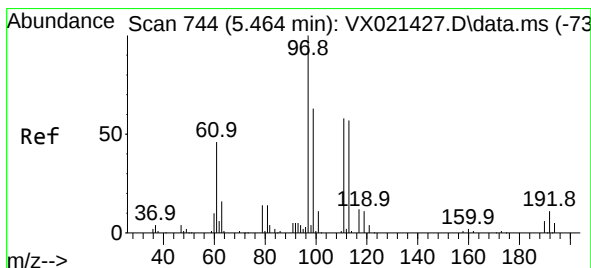
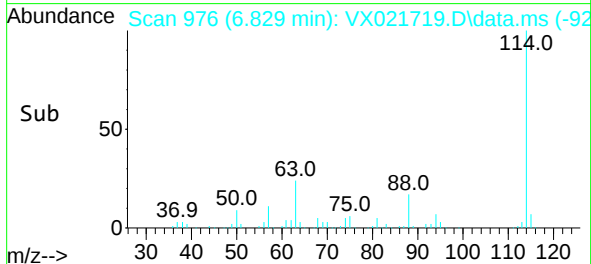
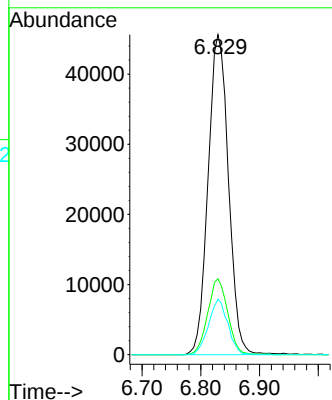
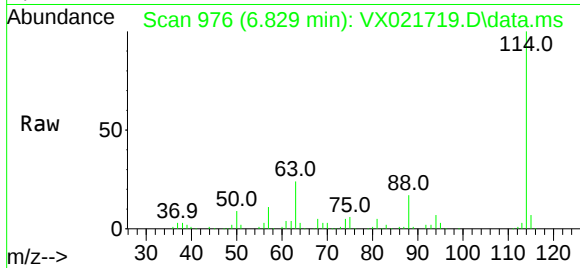




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

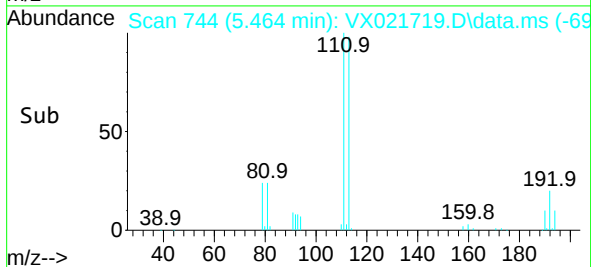
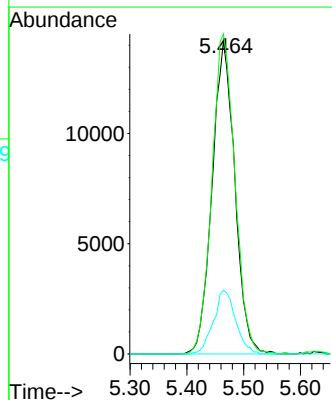
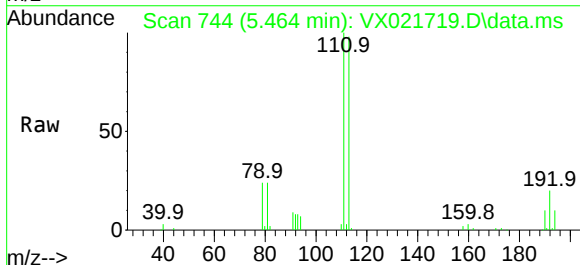
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2R

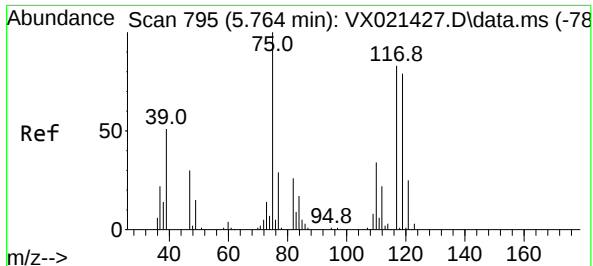
Tgt Ion:114 Resp: 109788  
Ion Ratio Lower Upper  
114 100  
63 23.7 0.0 40.8  
88 17.3 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.40 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion:113 Resp: 39306  
Ion Ratio Lower Upper  
113 100  
111 104.0 81.9 122.9  
192 19.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.90 ug/l

RT: 5.629 min Scan# 772

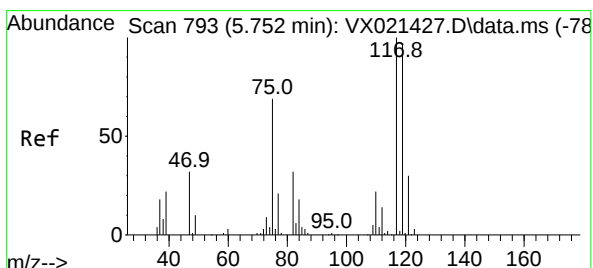
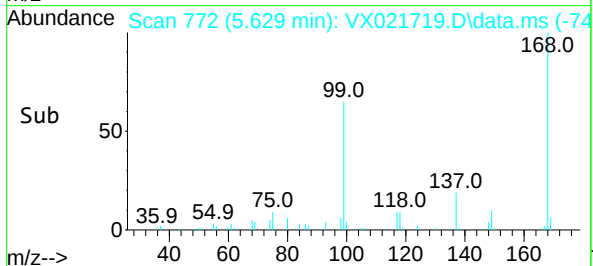
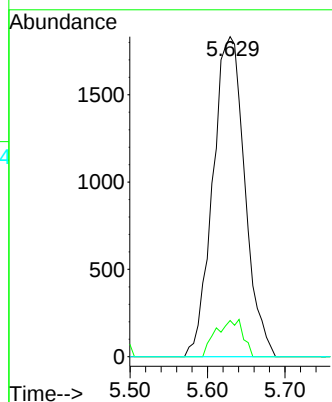
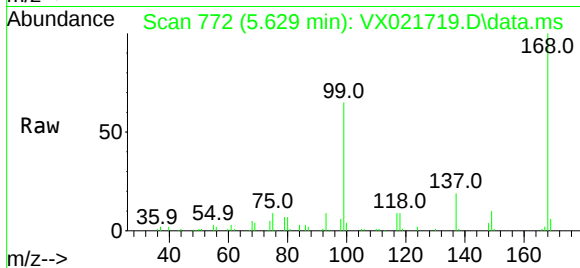
Delta R.T. -0.135 min

Lab File: VX021719.D

Acq: 01 Apr 2021 19:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5268  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.7   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2R



#38

Carbon Tetrachloride

Concen: 5.37 ug/l

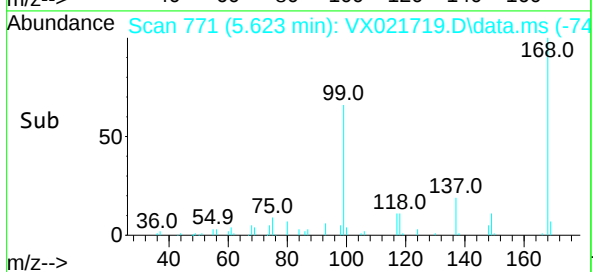
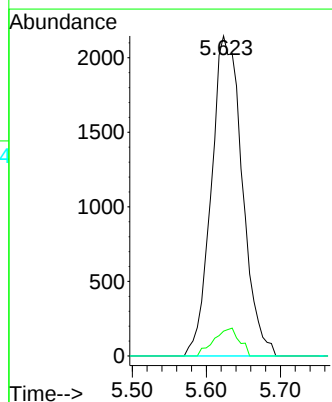
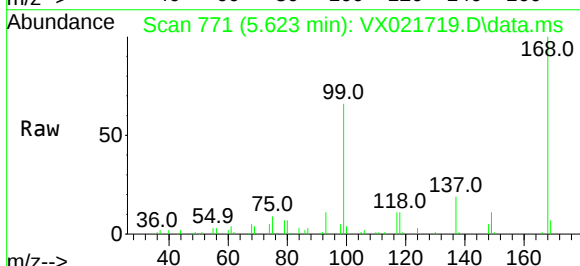
RT: 5.623 min Scan# 771

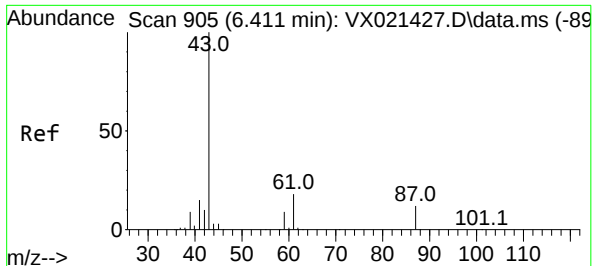
Delta R.T. -0.129 min

Lab File: VX021719.D

Acq: 01 Apr 2021 19:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 6211   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 7.8   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

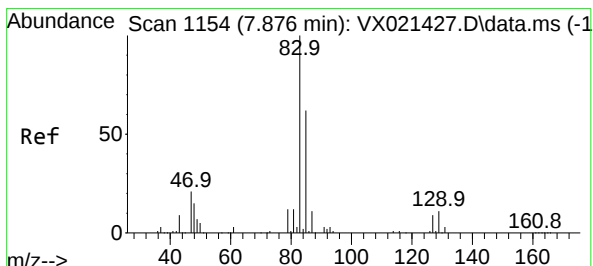
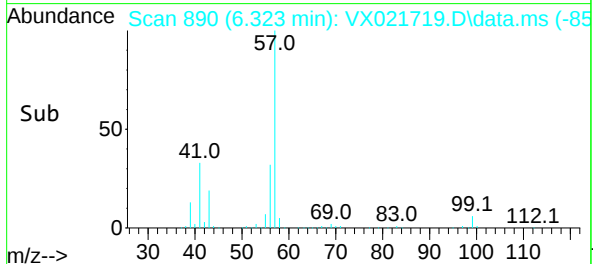
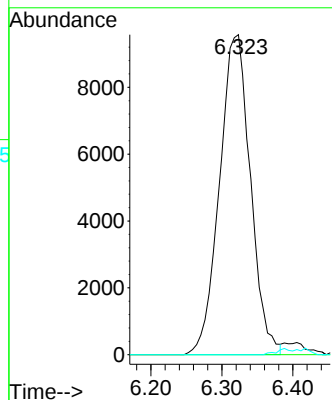
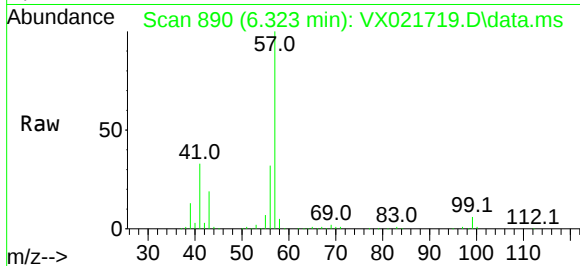




#43  
Isopropyl Acetate  
Concen: 14.33 ug/l  
RT: 6.323 min Scan# 890  
Delta R.T. -0.088 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

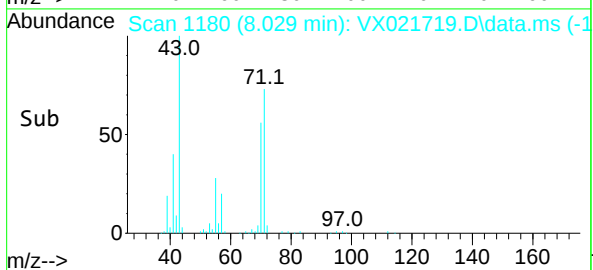
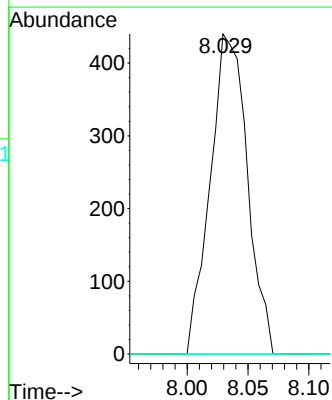
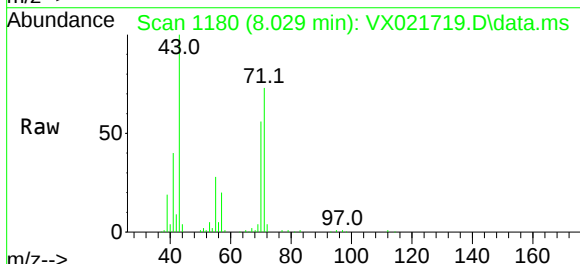
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

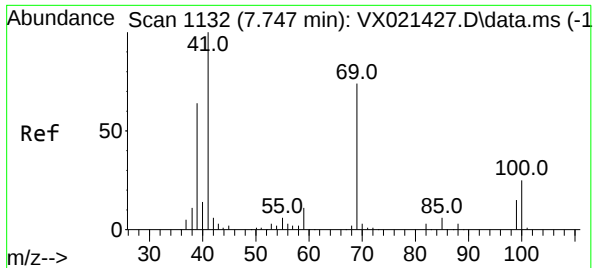
Tgt Ion: 43 Resp: 28944  
Ion Ratio Lower Upper  
43 100  
61 0.0 18.2 27.4#  
87 0.0 12.5 18.7#



#47  
Bromodichloromethane  
Concen: 0.76 ug/l  
RT: 8.029 min Scan# 1180  
Delta R.T. 0.153 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 83 Resp: 934  
Ion Ratio Lower Upper  
83 100  
85 0.0 51.4 77.0#  
127 0.0 6.8 10.2#

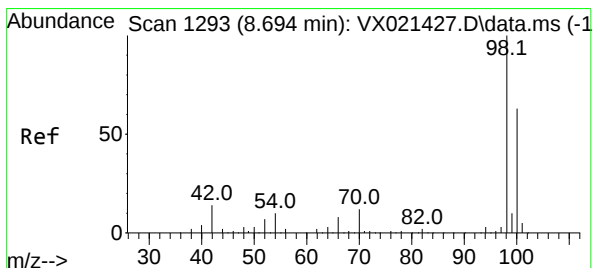
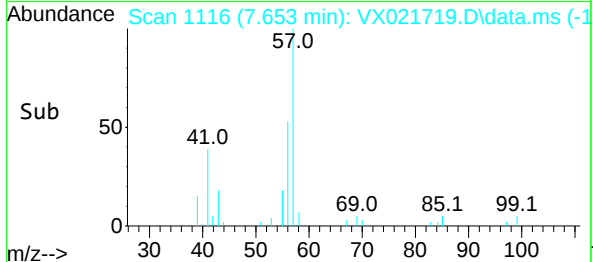
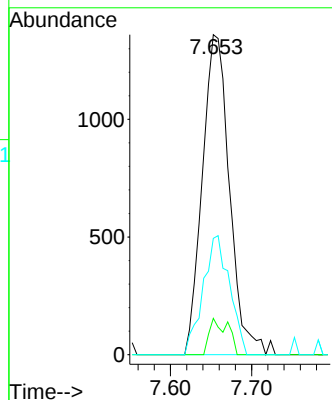
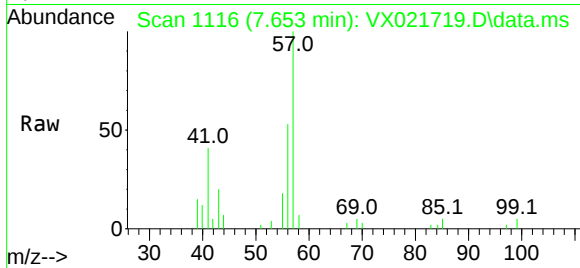




#48  
Methyl methacrylate  
Concen: 2.95 ug/l  
RT: 7.653 min Scan# 1116  
Delta R.T. -0.094 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

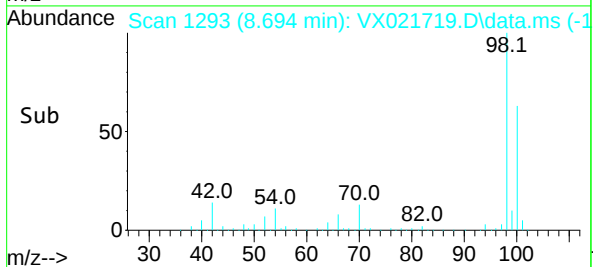
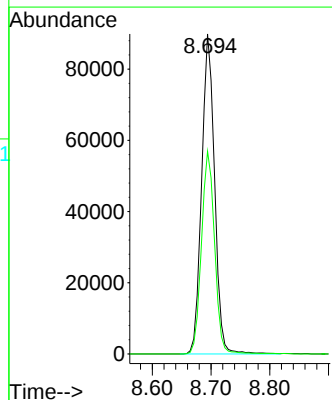
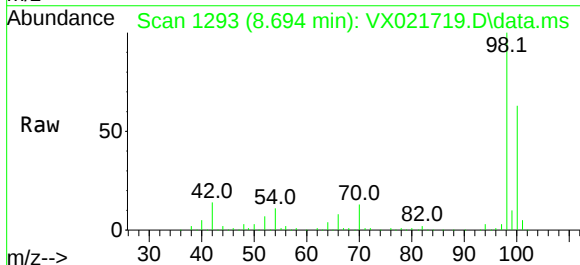
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2R

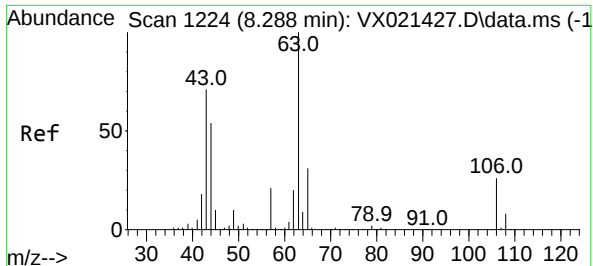
Tgt Ion: 41 Resp: 3174  
Ion Ratio Lower Upper  
41 100  
69 7.6 76.0 114.0#  
39 36.1 44.6 67.0#



#50  
Toluene-d8  
Concen: 49.51 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 98 Resp: 137600  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9

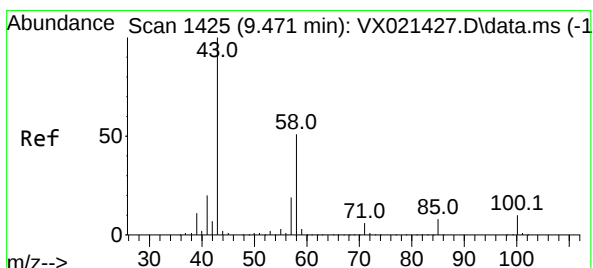
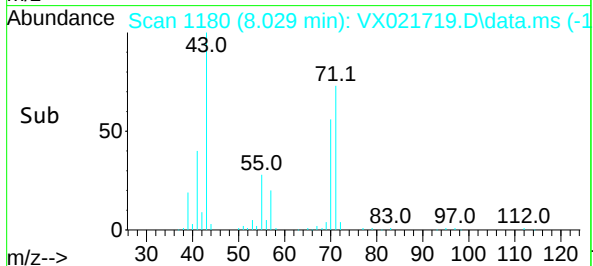
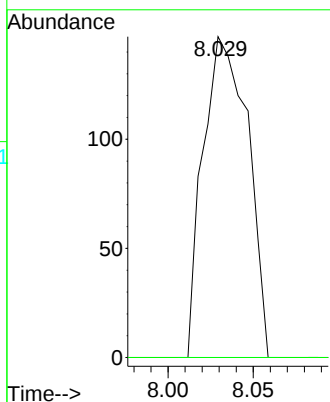
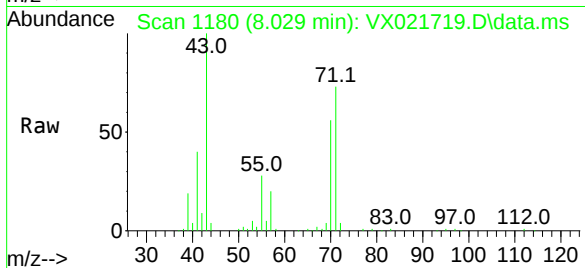




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.40 ug/l  
RT: 8.029 min Scan# 1180  
Delta R.T. -0.259 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

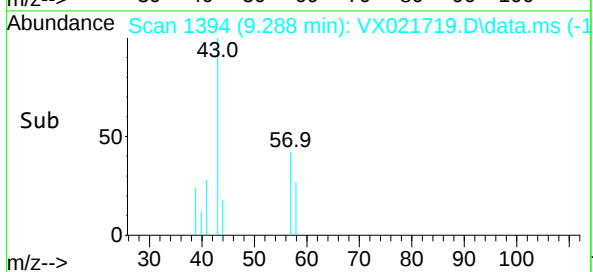
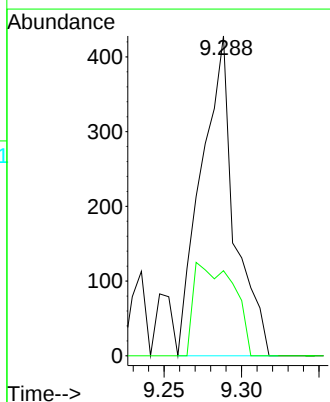
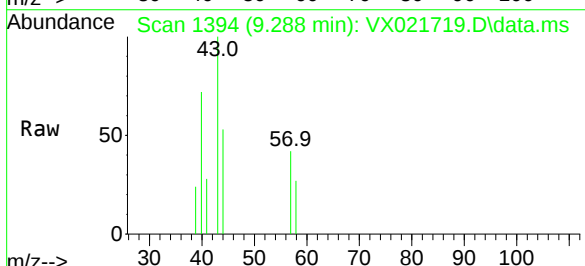
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

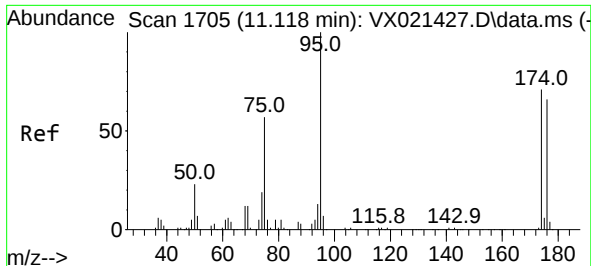
Tgt Ion: 63 Resp: 269  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.5 35.3#



#59  
2-Hexanone  
Concen: 0.69 ug/l  
RT: 9.288 min Scan# 1394  
Delta R.T. -0.183 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 43 Resp: 639  
Ion Ratio Lower Upper  
43 100  
58 34.7 30.9 92.8

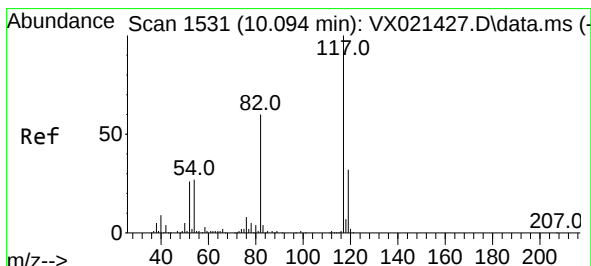
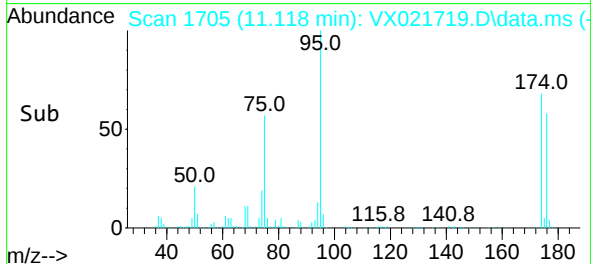
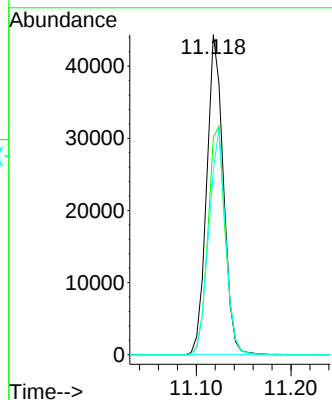
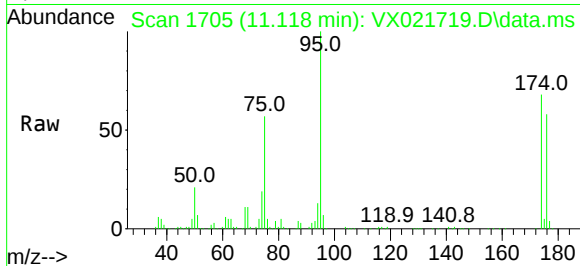




#62  
4-Bromofluorobenzene  
Concen: 50.10 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

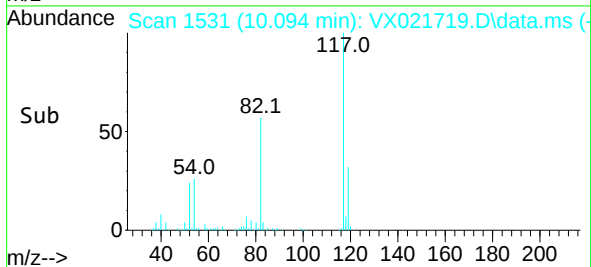
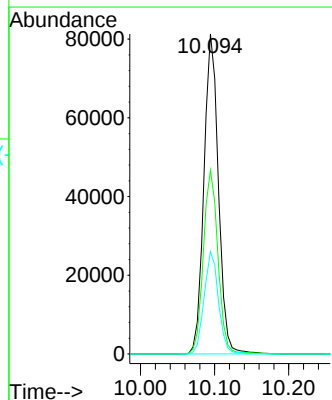
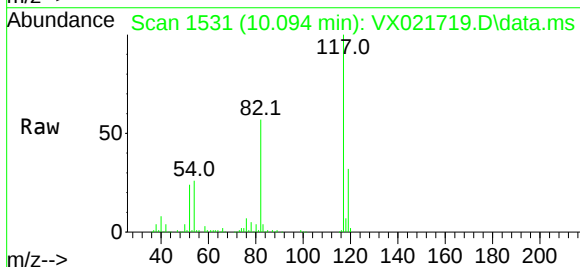
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

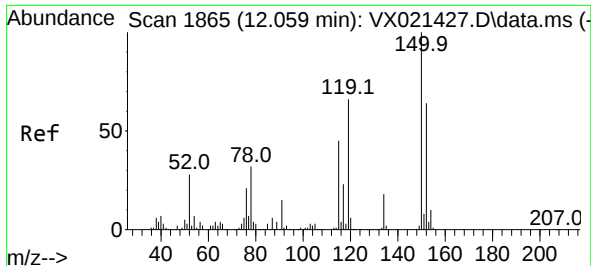
Tgt Ion: 95 Resp: 54128  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 154.6  
176 70.9 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 117 Resp: 110514  
Ion Ratio Lower Upper  
117 100  
82 57.4 47.4 71.2  
119 32.0 26.6 39.8

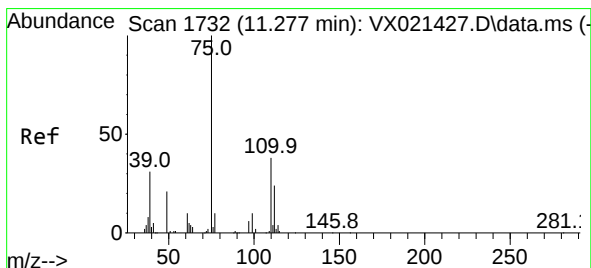
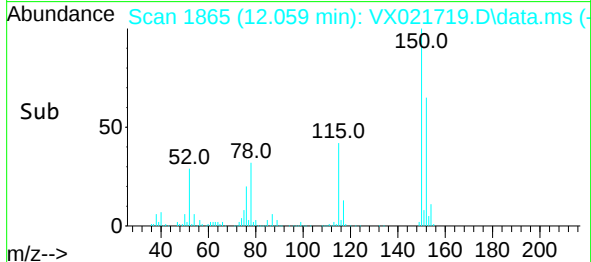
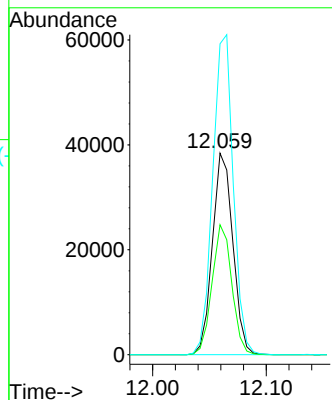
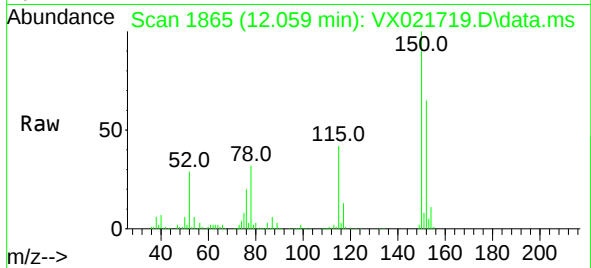




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

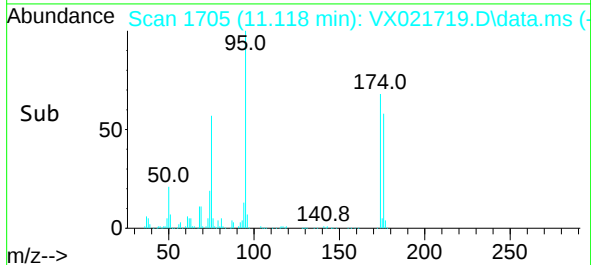
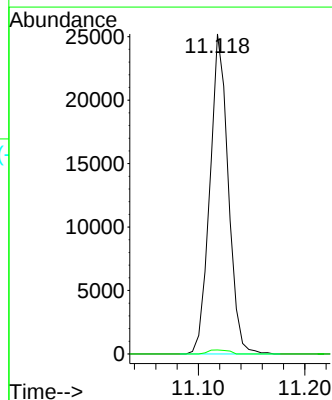
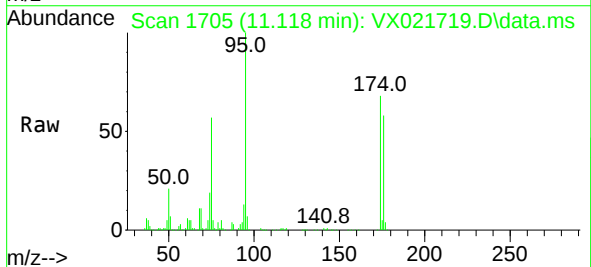
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

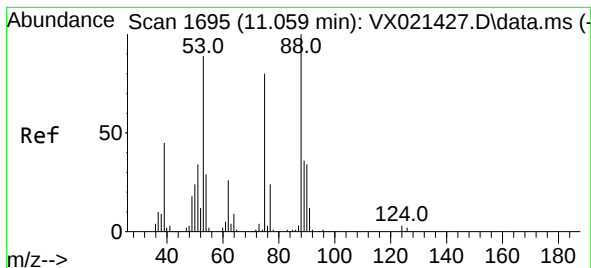
Tgt Ion:152 Resp: 48073  
Ion Ratio Lower Upper  
152 100  
115 62.3 41.1 123.3  
150 159.7 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 26.93 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 75 Resp: 30142  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.1 57.5#

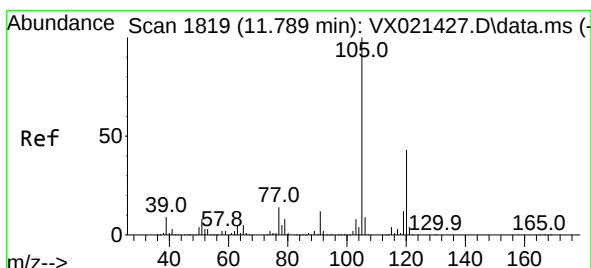
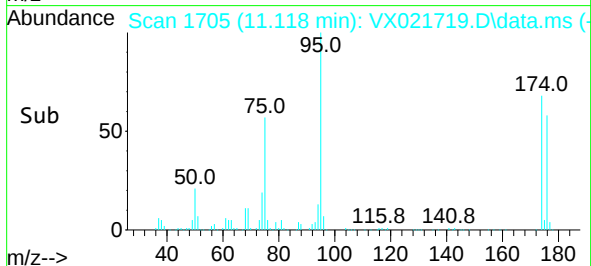
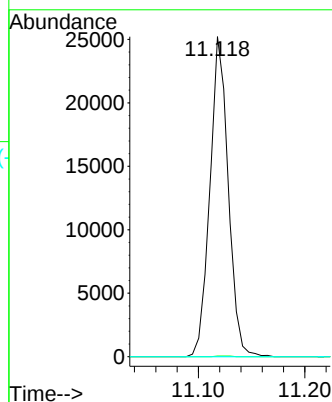
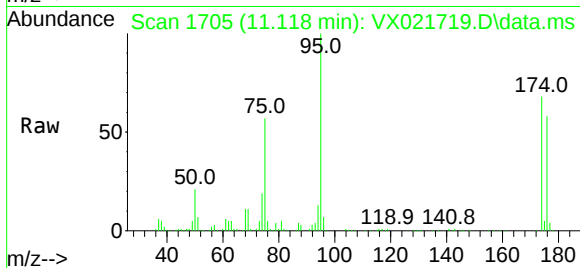




#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.04 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

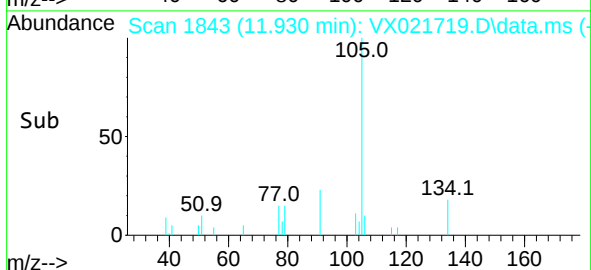
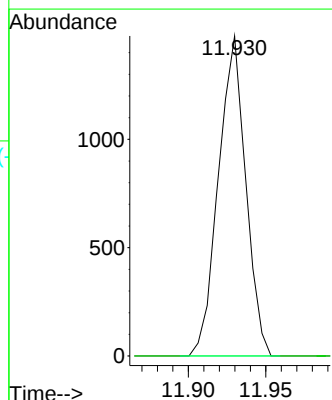
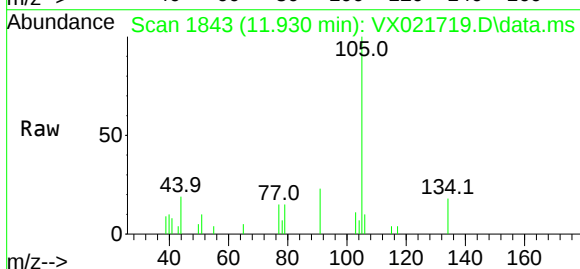
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

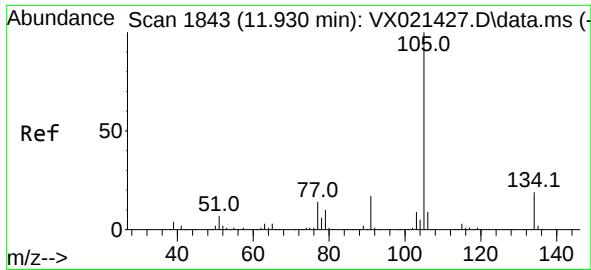
Tgt Ion: 75 Resp: 30142  
Ion Ratio Lower Upper  
75 100  
53 0.2 74.5 111.7#  
89 0.0 37.9 56.9#



#84  
1,2,4-Trimethylbenzene  
Concen: 0.62 ug/l  
RT: 11.930 min Scan# 1843  
Delta R.T. 0.141 min  
Lab File: VX021719.D  
Acq: 01 Apr 2021 19:24

Tgt Ion: 105 Resp: 1812  
Ion Ratio Lower Upper  
105 100  
120 0.0 22.4 67.3#





#85  
 sec-Butylbenzene  
 Concen: 0.56 ug/l  
 RT: 11.930 min Scan# 1843  
 Delta R.T. -0.000 min  
 Lab File: VX021719.D  
 Acq: 01 Apr 2021 19:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2R

Tgt Ion:105 Resp: 1812  
 Ion Ratio Lower Upper  
 105 100  
 134 32.6 10.0 29.8#

