

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122820\  
 Data File : VN065282.D  
 Acq On : 28 Dec 2020 13:37  
 Operator : JC/MD  
 Sample : L5218-03 50X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2R

Quant Time: Dec 29 02:20:57 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122220W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 22 15:42:18 2020  
 Response via : Initial Calibration

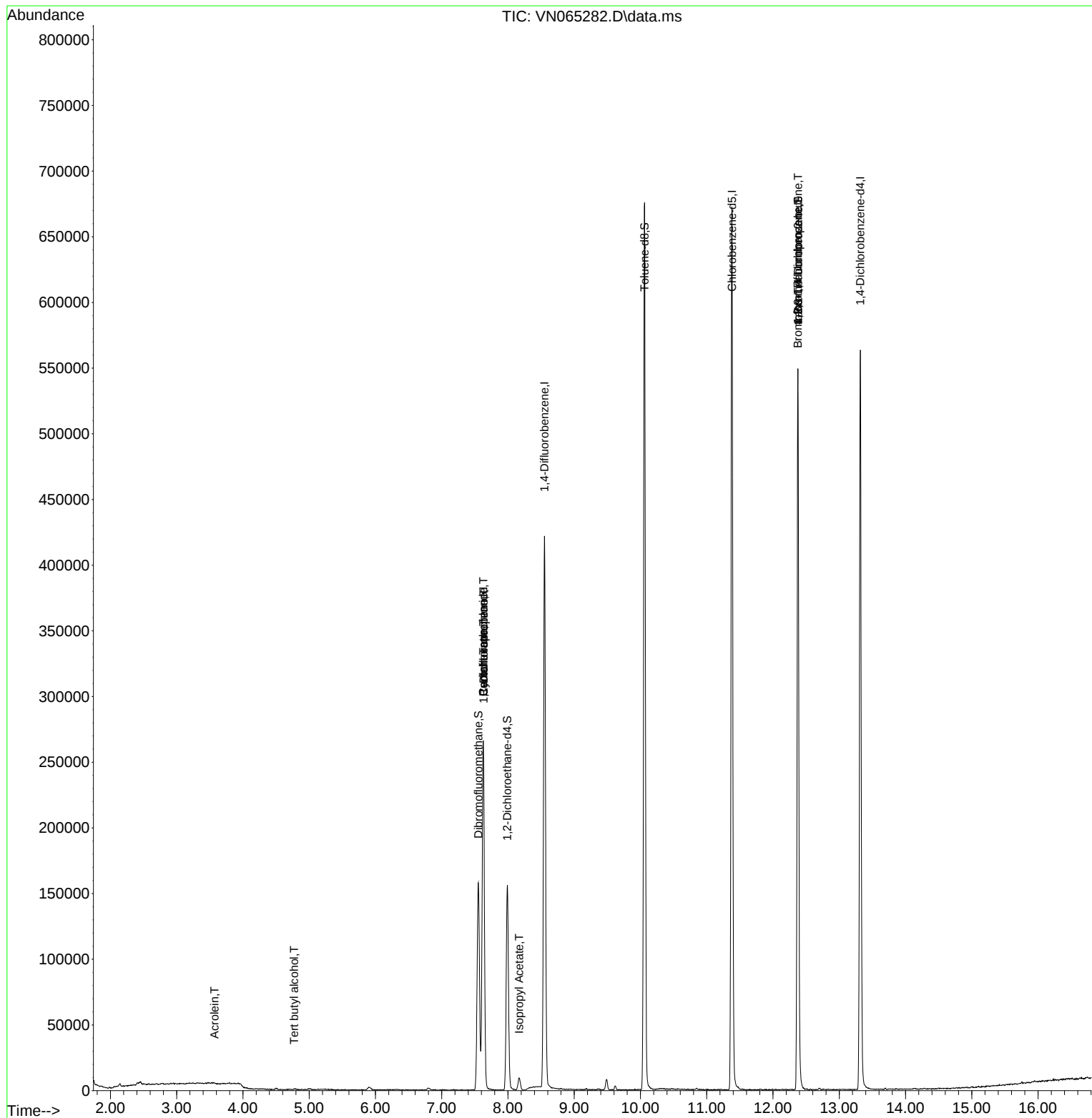
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.627          | 168  | 238898             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 398081             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.379         | 117  | 411773             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318         | 152  | 168581             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.990          | 65   | 138552             | 51.37     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 102.74% |           |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 122476             | 51.00     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 102.00% |           |        |          |
| 50) Toluene-d8                | 10.061         | 98   | 486039             | 54.00     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 108.00% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 192058             | 53.55     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 107.10% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 11) Tert butyl alcohol        | 4.772          | 59   | 159                | 0.36      | ug/l # | 73       |
| 13) Acrolein                  | 3.569          | 56   | 138                | 2.87      | ug/l # | 56       |
| 16) Acetone                   | 3.785          | 43   | 56                 | Below Cal | #      | 43       |
| 31) Cyclohexane               | 7.627          | 56   | 4131               | 1.04      | ug/l # | 15       |
| 36) 1,1-Dichloropropene       | 7.630          | 75   | 14912              | 4.12      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 20617              | 5.42      | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.167          | 43   | 2374               | 0.38      | ug/l # | 59       |
| 71) Bromoform                 | 12.373         | 173  | 1231               | 0.44      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.376         | 75   | 94987              | 27.62     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.376         | 75   | 94987              | 69.64     | ug/l # | 15       |
| -----                         |                |      |                    |           |        |          |

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

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ClientSampleId :  
MW-2R

Quant Time: Dec 29 02:20:57 2020  
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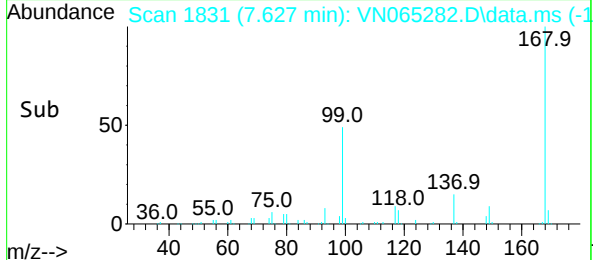
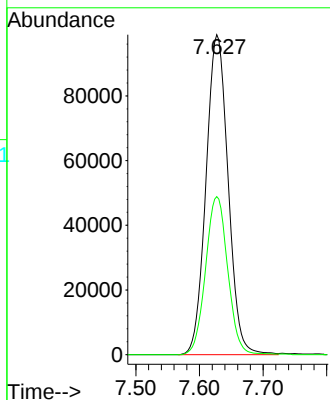
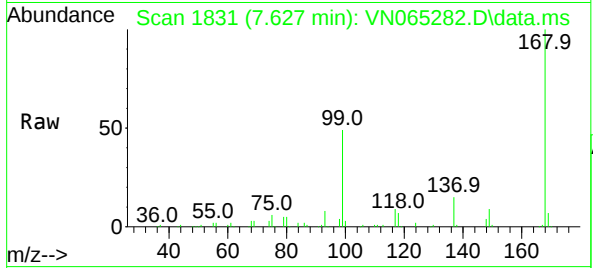




#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.627 min Scan# 1831  
 Delta R.T. 0.000 min  
 Lab File: VN065282.D  
 Acq: 28 Dec 2020 13:37

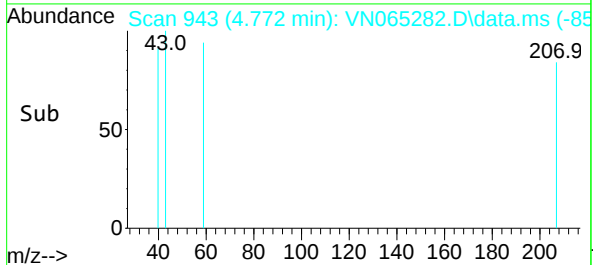
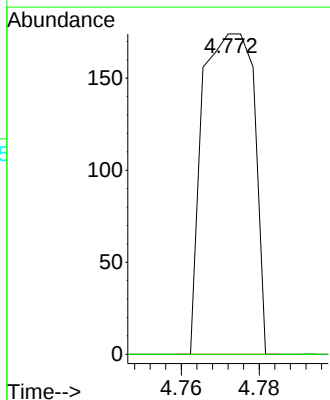
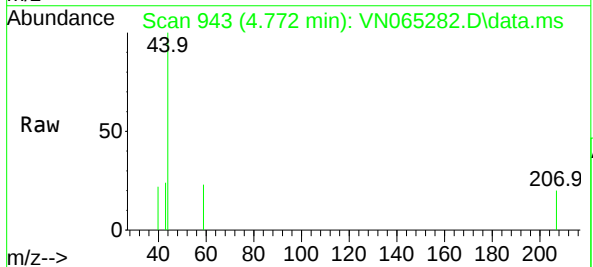
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-2R

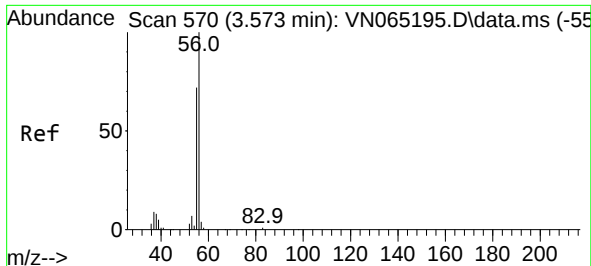
Tgt Ion:168 Resp: 238898  
 Ion Ratio Lower Upper  
 168 100  
 99 49.4 43.0 64.4



#11  
 Tert butyl alcohol  
 Concen: 0.36 ug/l  
 RT: 4.772 min Scan# 943  
 Delta R.T. -0.000 min  
 Lab File: VN065282.D  
 Acq: 28 Dec 2020 13:37

Tgt Ion: 59 Resp: 159  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.9 11.9#

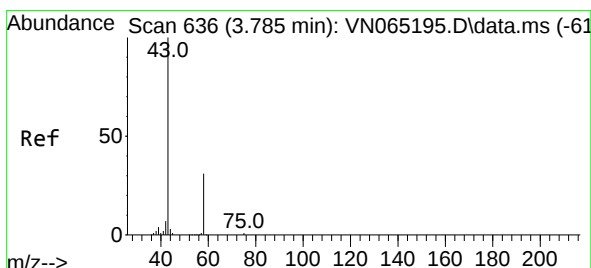
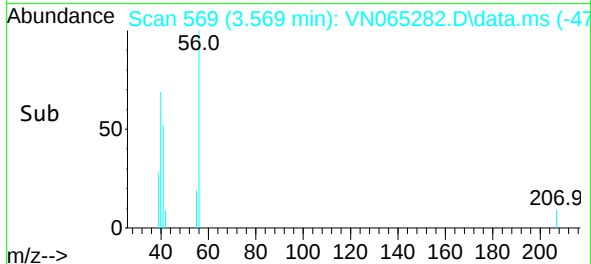
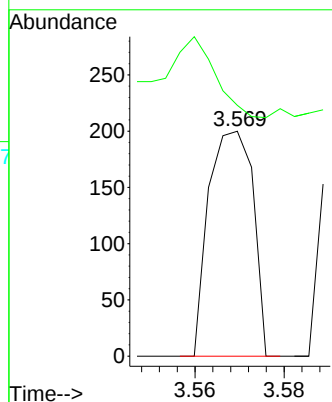
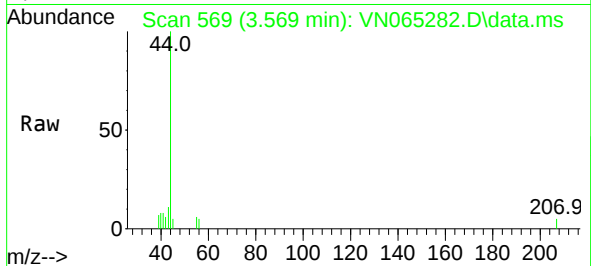




#13  
Acrolein  
Concen: 2.87 ug/l  
RT: 3.569 min Scan# 569  
Delta R.T. -0.004 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

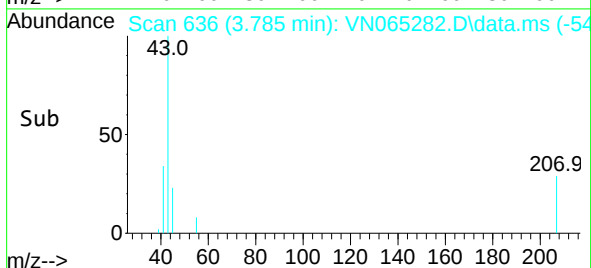
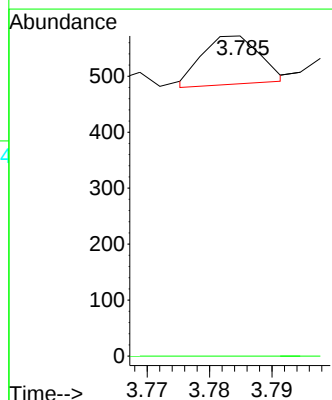
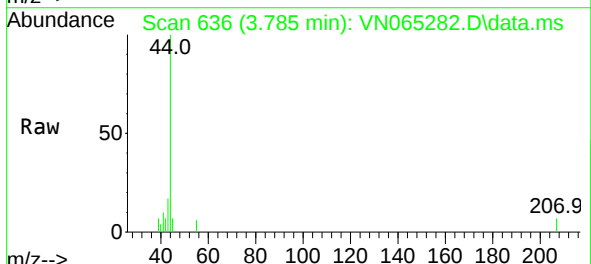
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2R

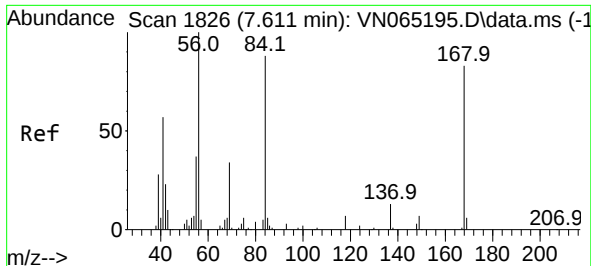
Tgt Ion: 56 Resp: 138  
Ion Ratio Lower Upper  
56 100  
55 106.5 56.5 84.7#



#16  
Acetone  
Concen: Below Cal  
RT: 3.785 min Scan# 636  
Delta R.T. -0.000 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Tgt Ion: 43 Resp: 56  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.7 38.5#

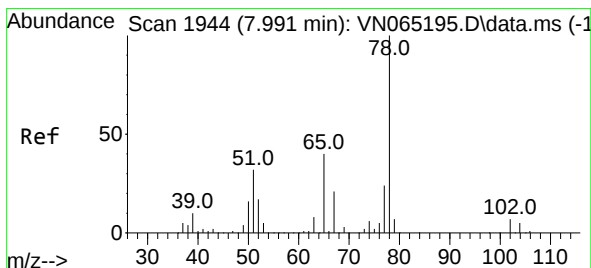
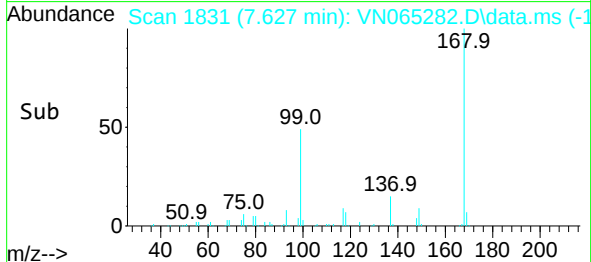
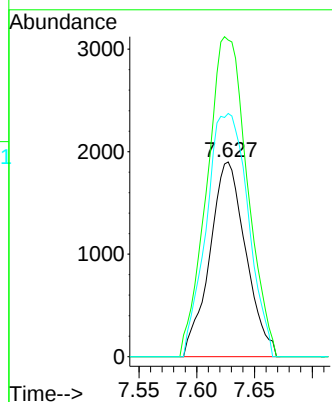
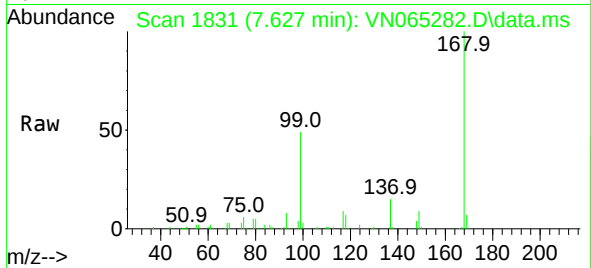




#31  
Cyclohexane  
Concen: 1.04 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.016 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

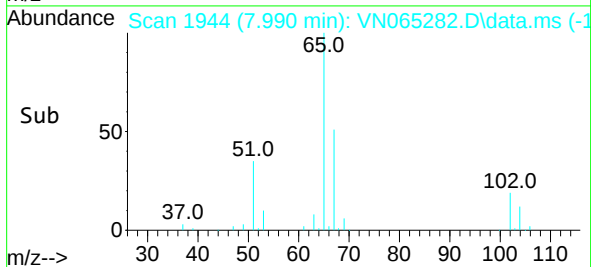
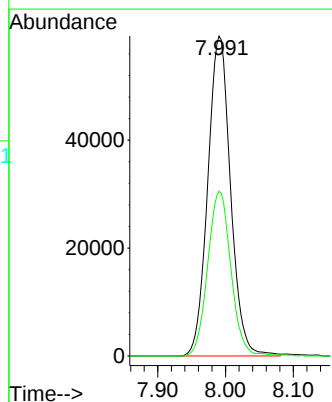
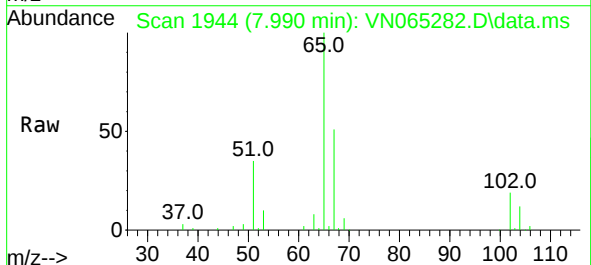
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

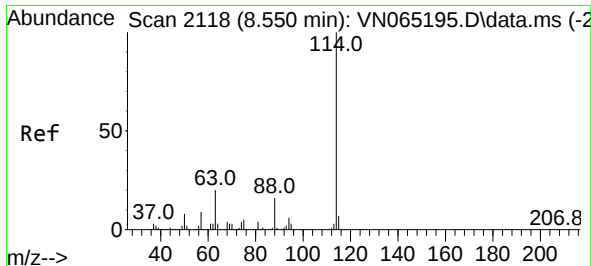
Tgt Ion: 56 Resp: 4131  
Ion Ratio Lower Upper  
56 100  
69 162.6 27.5 41.3#  
84 124.9 73.9 110.9#



#33  
1,2-Dichloroethane-d4  
Concen: 51.37 ug/l  
RT: 7.990 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

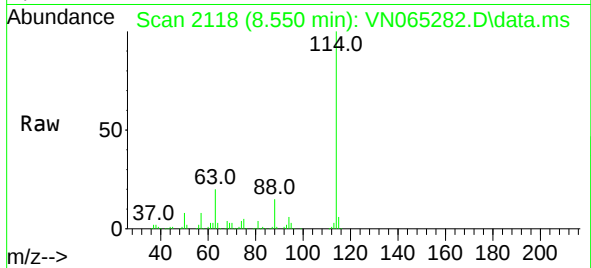
Tgt Ion: 65 Resp: 138552  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 108.2



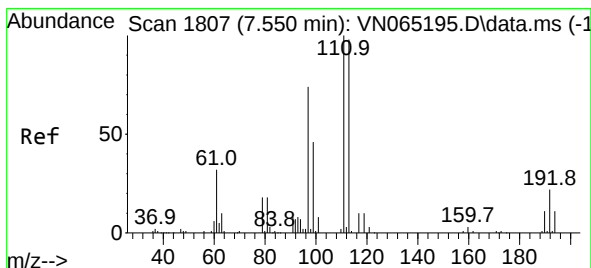
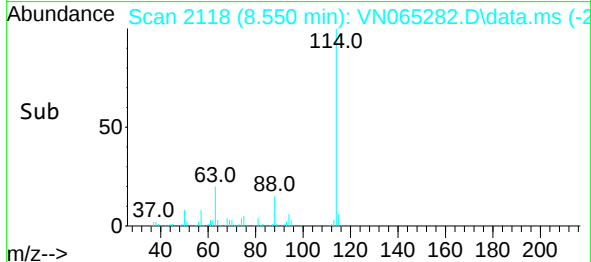
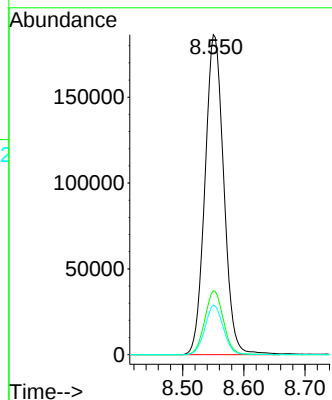


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. -0.000 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

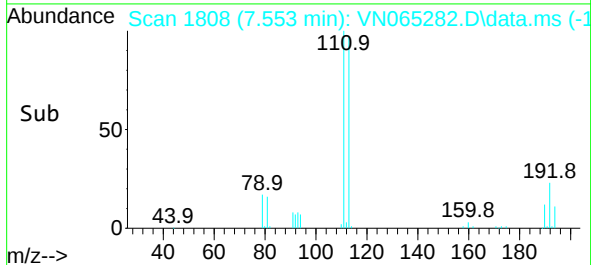
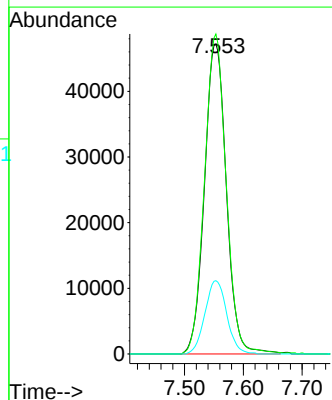
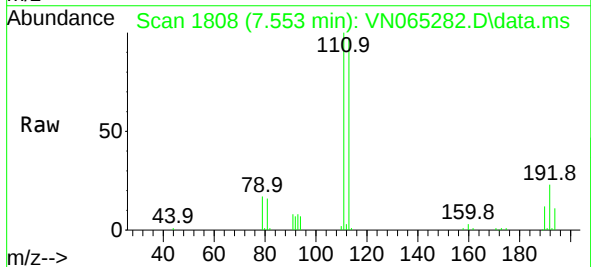


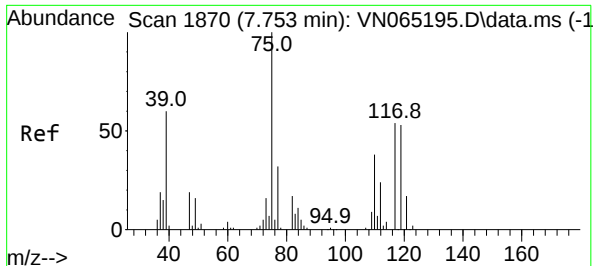
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 398081 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.0  | 0.0   | 38.6   |
| 88        | 15.5  | 0.0   | 32.6   |



#35  
Dibromofluoromethane  
Concen: 51.00 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 122476 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.8 | 81.6  | 122.4  |
| 192       | 23.5  | 16.2  | 24.2   |

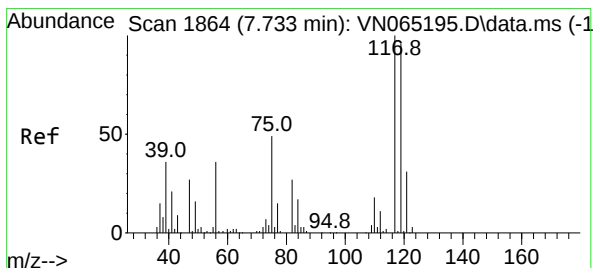
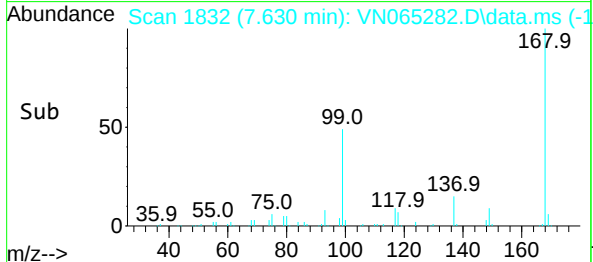
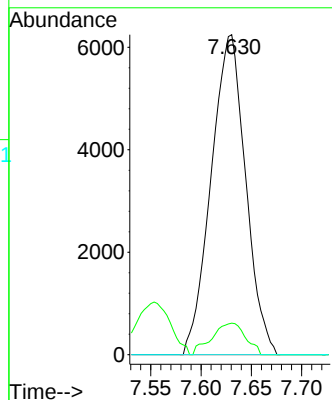
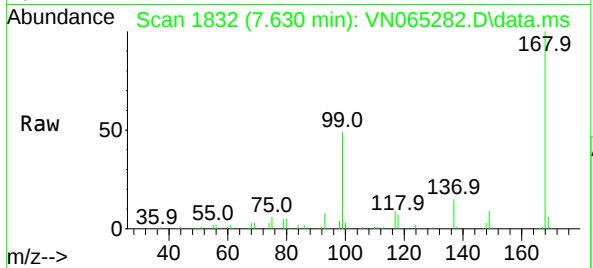




#36  
1,1-Dichloropropene  
Concen: 4.12 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. -0.123 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

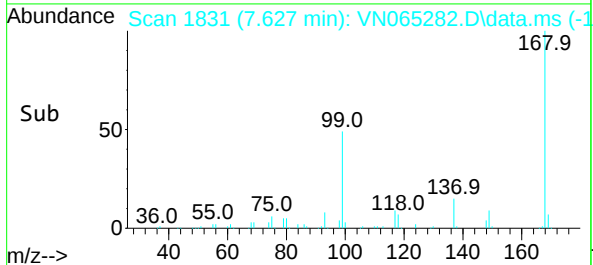
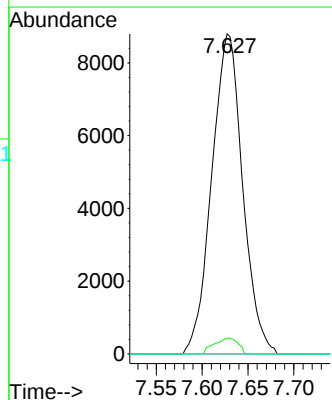
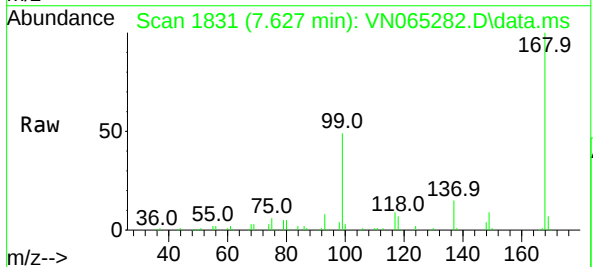
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2R

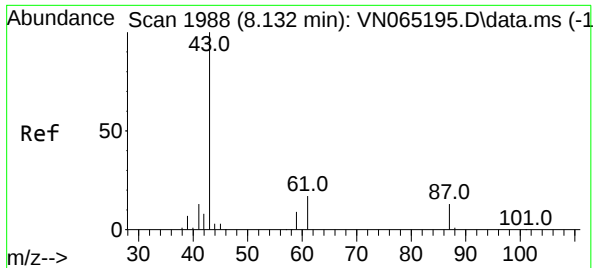
Tgt Ion: 75 Resp: 14912  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.8 53.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.42 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.106 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Tgt Ion: 117 Resp: 20617  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.7 115.1#  
121 0.0 25.4 38.2#

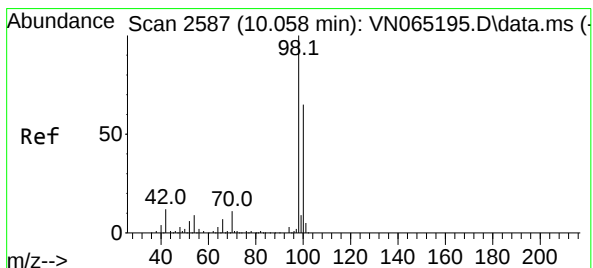
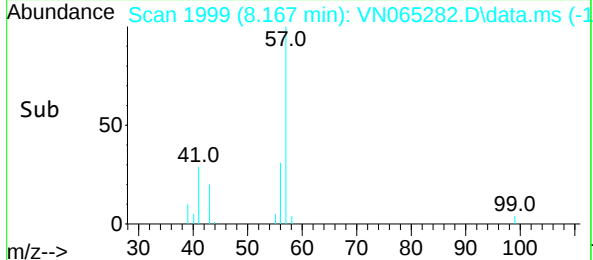
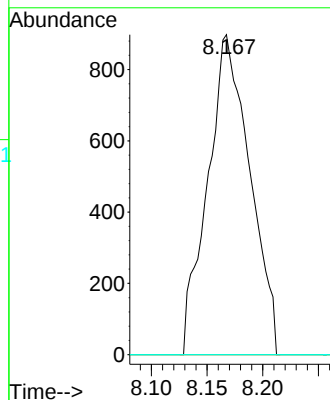
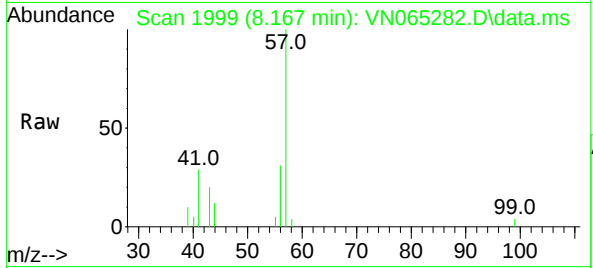




#43  
Isopropyl Acetate  
Concen: 0.38 ug/l  
RT: 8.167 min Scan# 1999  
Delta R.T. 0.035 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

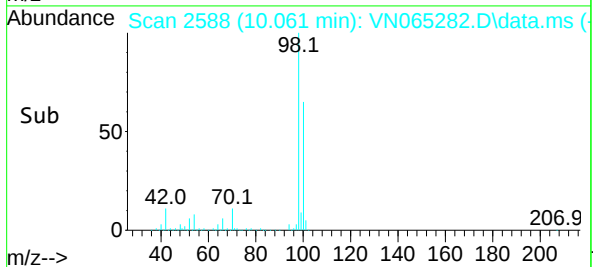
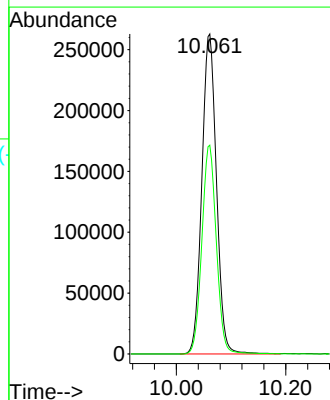
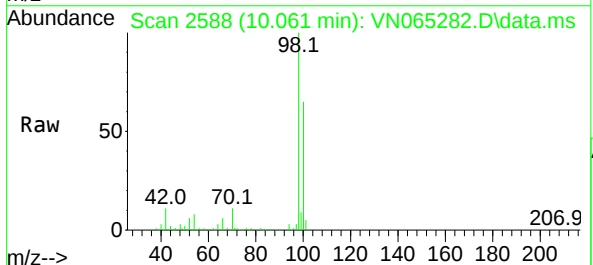
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2R

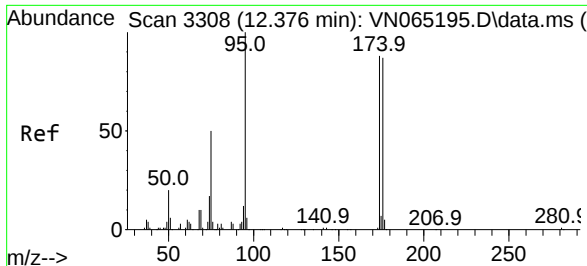
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2374  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 0.0      | 17.2 25.8#  |
| 87 0.0      | 11.4 17.0#  |



#50  
Toluene-d8  
Concen: 54.00 ug/l  
RT: 10.061 min Scan# 2588  
Delta R.T. 0.003 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 486039 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 64.8    | 51.7 77.5    |

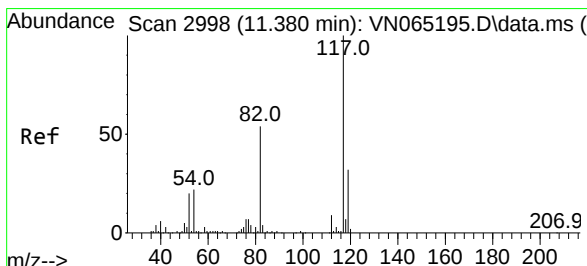
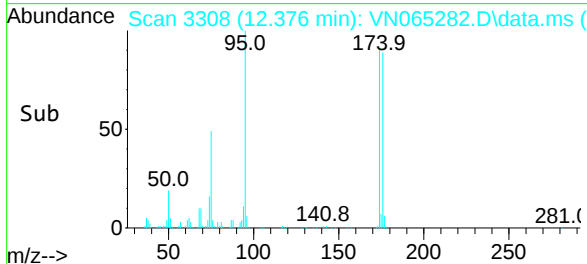
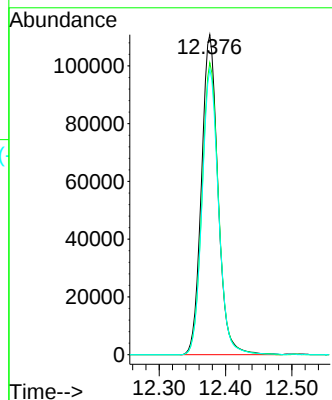
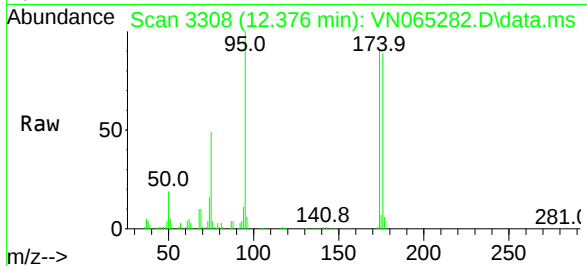




#62  
4-Bromofluorobenzene  
Concen: 53.55 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

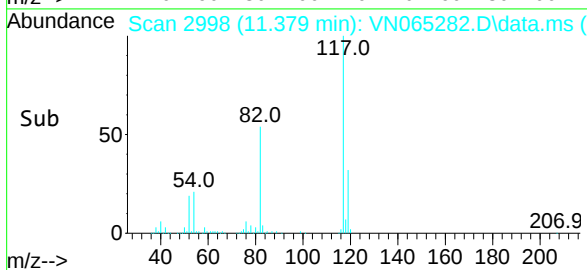
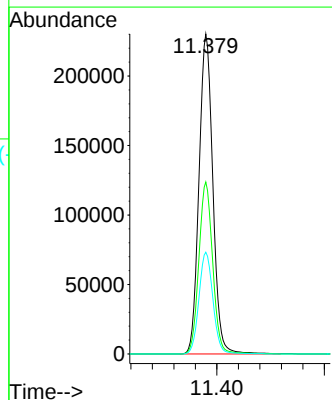
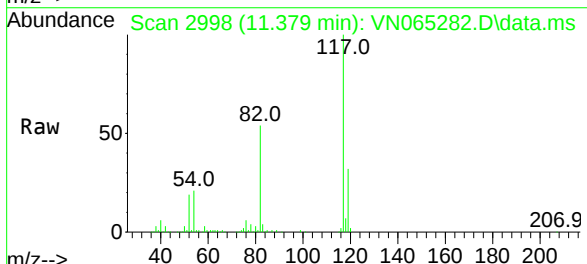
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

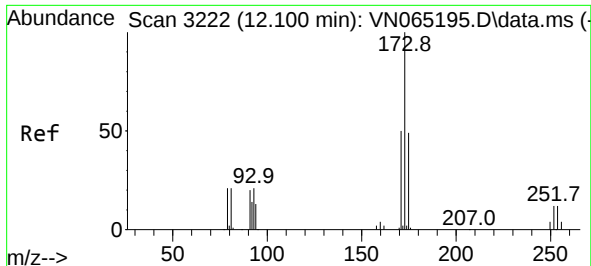
Tgt Ion: 95 Resp: 192058  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 160.4  
176 88.9 0.0 158.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. -0.001 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Tgt Ion: 117 Resp: 411773  
Ion Ratio Lower Upper  
117 100  
82 53.7 44.2 66.2  
119 31.8 25.8 38.6

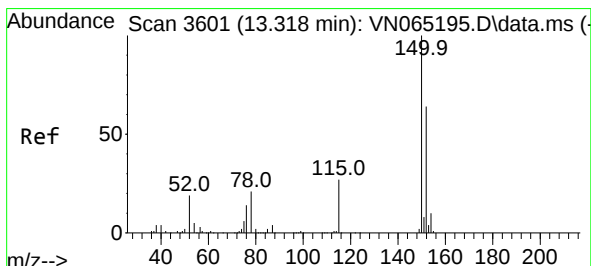
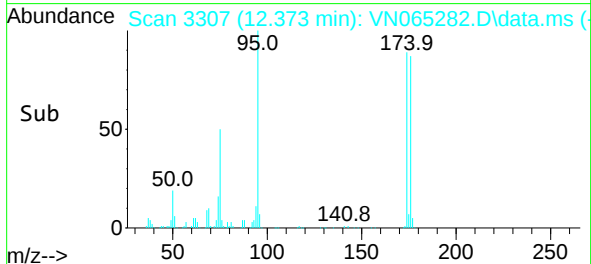
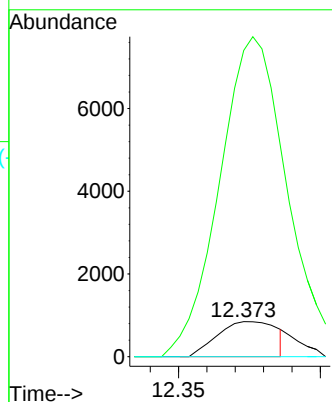
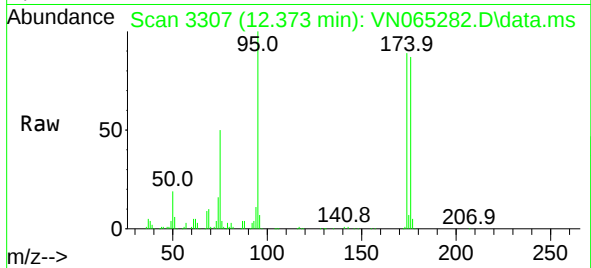




#71  
Bromoform  
Concen: 0.44 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.273 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

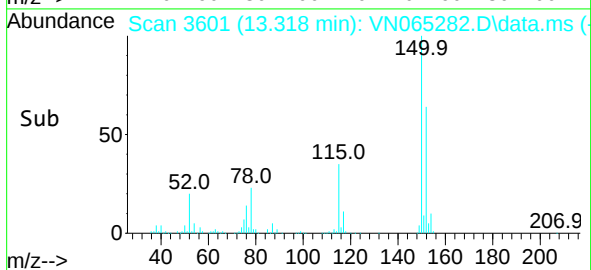
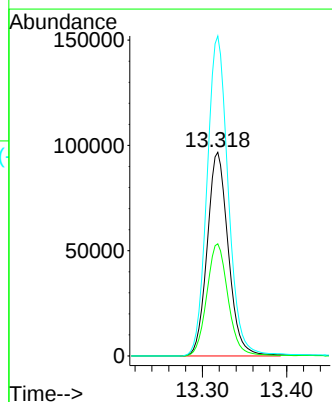
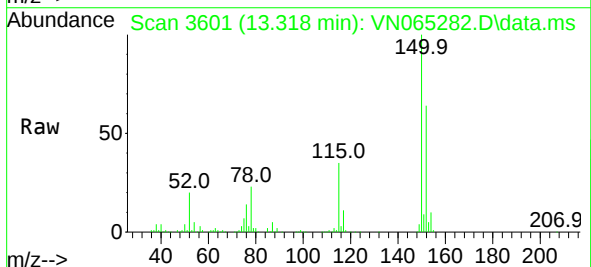
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2R

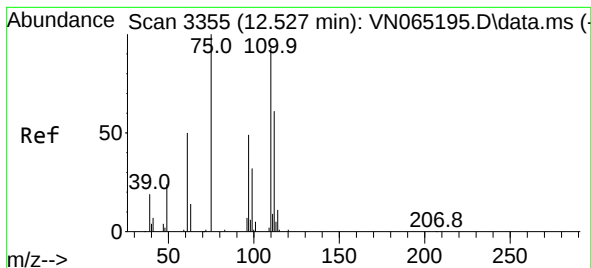
Tgt Ion:173 Resp: 1231  
Ion Ratio Lower Upper  
173 100  
175 867.0 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Tgt Ion:152 Resp: 168581  
Ion Ratio Lower Upper  
152 100  
115 55.6 29.7 89.1  
150 158.8 0.0 350.6

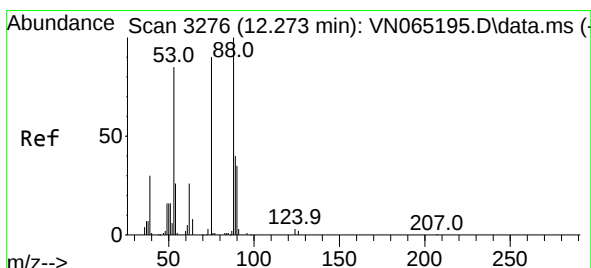
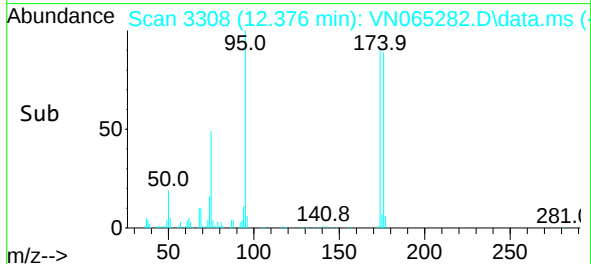
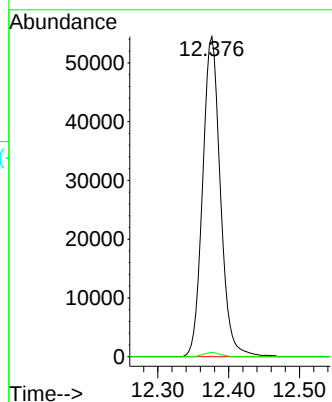
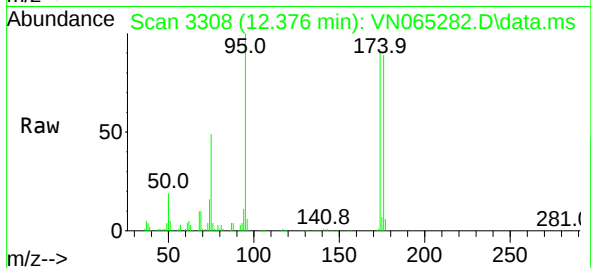




#76  
1,2,3-Trichloropropane  
Concen: 27.62 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.151 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2R

Tgt Ion: 75 Resp: 94987  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.64 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.103 min  
Lab File: VN065282.D  
Acq: 28 Dec 2020 13:37

Tgt Ion: 75 Resp: 94987  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.0 100.4#  
89 0.0 39.6 59.4#

