

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122820\  
 Data File : VN065283.D  
 Acq On : 28 Dec 2020 14:02  
 Operator : JC/MD  
 Sample : L5218-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1R

Quant Time: Dec 29 02:21:11 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

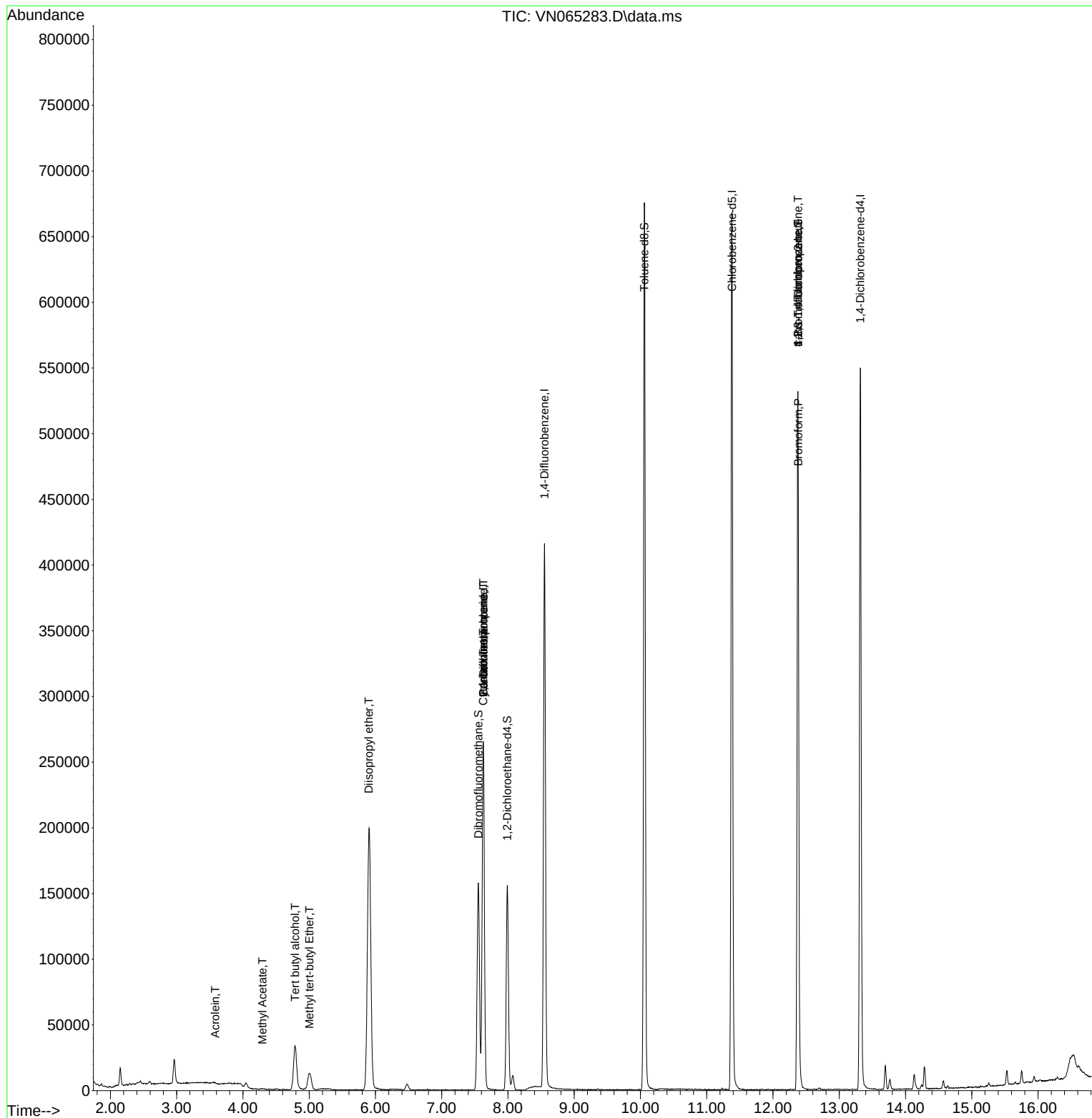
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.627          | 168  | 237827             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 394175             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.380         | 117  | 409883             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.318         | 152  | 167159             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.991          | 65   | 137072             | 51.05     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 102.10% |           |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 122845             | 51.66     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 103.32% |           |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 484402             | 54.35     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 108.70% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.376         | 95   | 190368             | 53.60     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 107.20% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.785          | 59   | 3894               | 8.86      | ug/l # | 93       |
| 13) Acrolein                  | 3.582          | 56   | 134                | 2.86      | ug/l # | 14       |
| 16) Acetone                   | 3.795          | 43   | 1002               | Below Cal | #      | 43       |
| 18) Methyl Acetate            | 4.293          | 43   | 1236               | 0.51      | ug/l # | 50       |
| 19) Methyl tert-butyl Ether   | 5.000          | 73   | 23043              | 3.11      | ug/l   | 98       |
| 22) Diisopropyl ether         | 5.897          | 45   | 4354               | 0.57      | ug/l # | 1        |
| 31) Cyclohexane               | 7.624          | 56   | 4083               | 1.03      | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 7.627          | 75   | 15535              | 4.33      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 20569              | 5.46      | ug/l # | 16       |
| 71) Bromoform                 | 12.383         | 173  | 1068               | 0.38      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.376         | 75   | 93468              | 27.41     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.376         | 75   | 93468              | 69.11     | ug/l # | 15       |
| -----                         |                |      |                    |           |        |          |

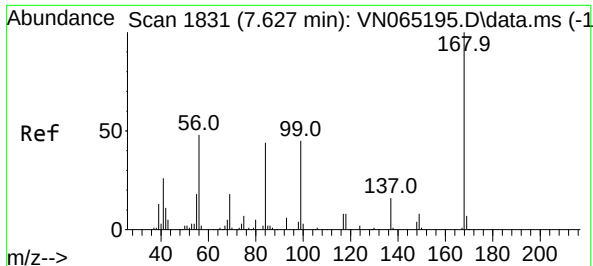
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
MW-1R

Quant Time: Dec 29 02:21:11 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

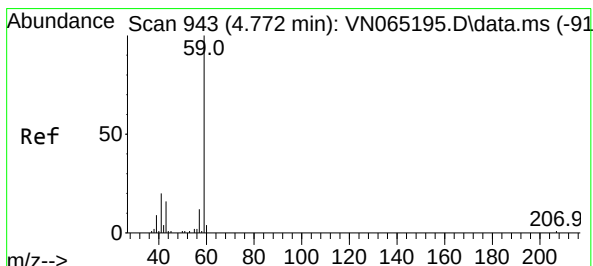
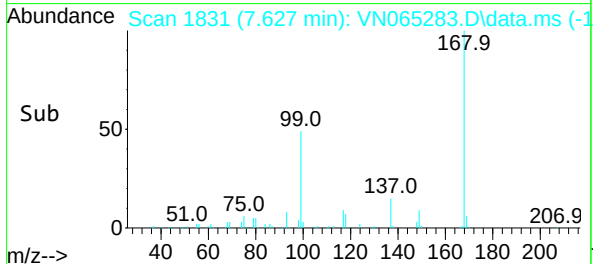
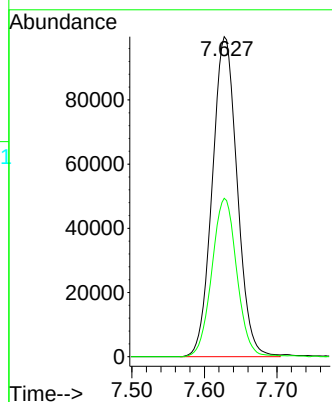
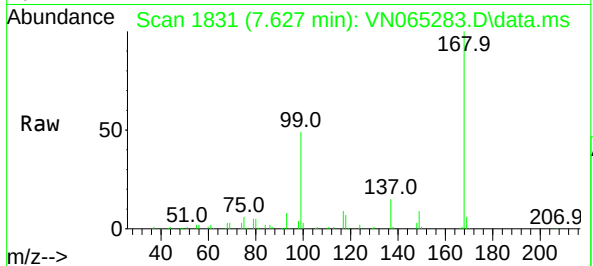




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

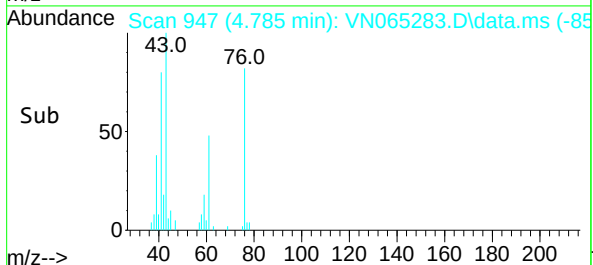
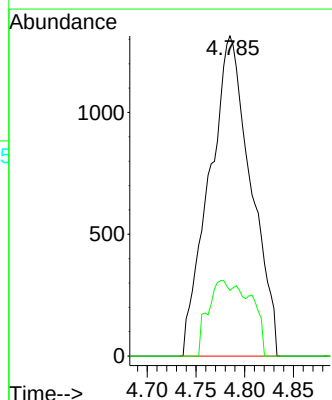
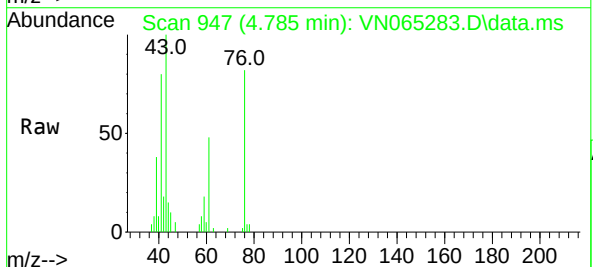
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1R

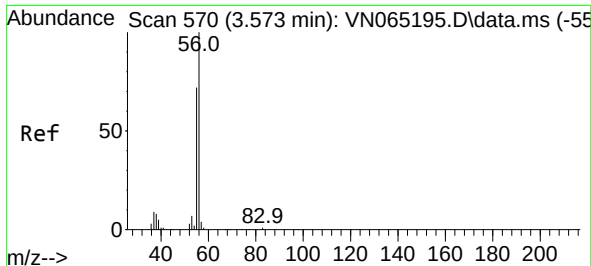
Tgt Ion:168 Resp: 237827  
Ion Ratio Lower Upper  
168 100  
99 49.5 43.0 64.4



#11  
Tert butyl alcohol  
Concen: 8.86 ug/l  
RT: 4.785 min Scan# 947  
Delta R.T. 0.013 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Tgt Ion: 59 Resp: 3894  
Ion Ratio Lower Upper  
59 100  
57 12.3 7.9 11.9#

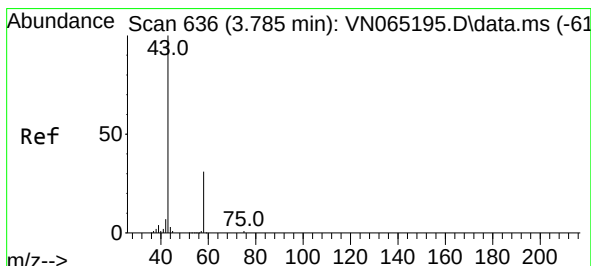
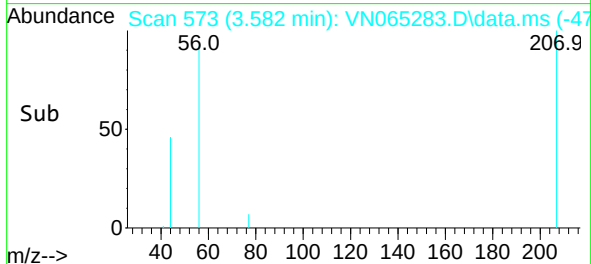
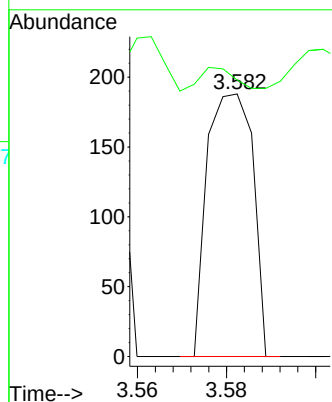
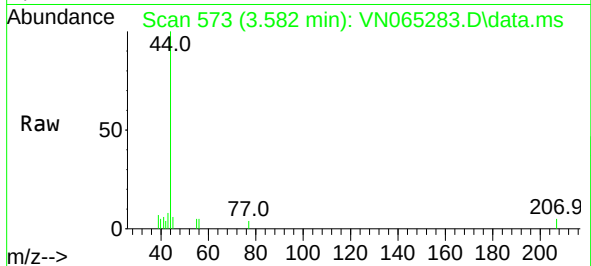




#13  
Acrolein  
Concen: 2.86 ug/l  
RT: 3.582 min Scan# 573  
Delta R.T. 0.009 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

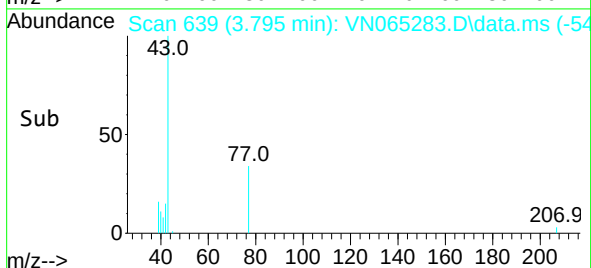
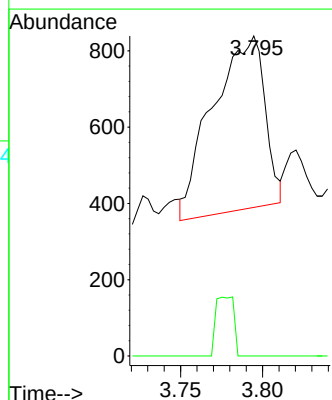
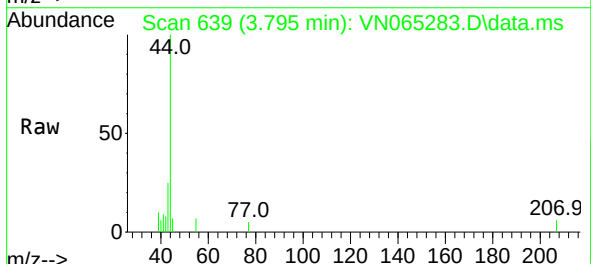
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-1R

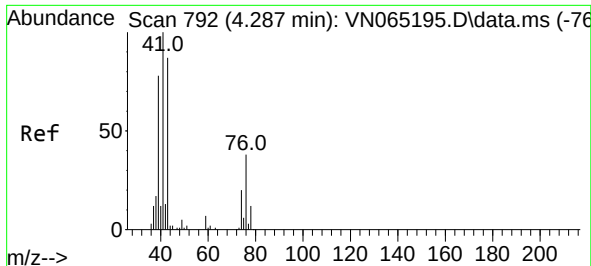
Tgt Ion: 56 Resp: 134  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.5 84.7#



#16  
Acetone  
Concen: Below Cal  
RT: 3.795 min Scan# 639  
Delta R.T. 0.010 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

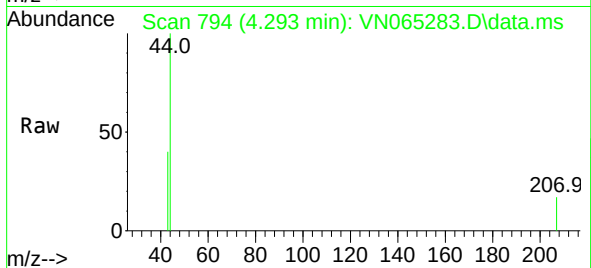
Tgt Ion: 43 Resp: 1002  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.7 38.5#



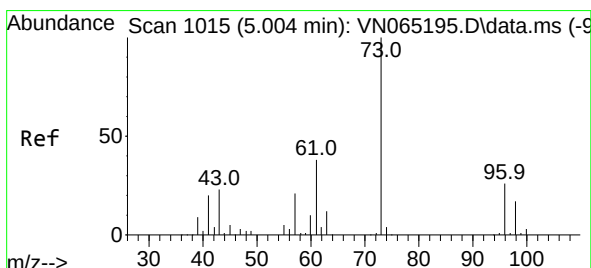
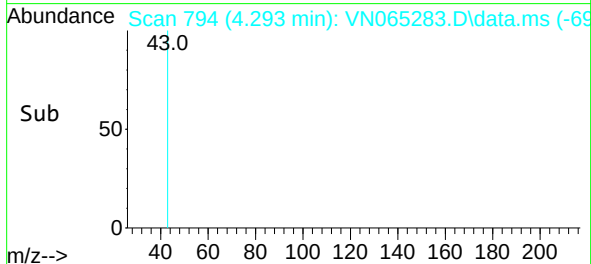
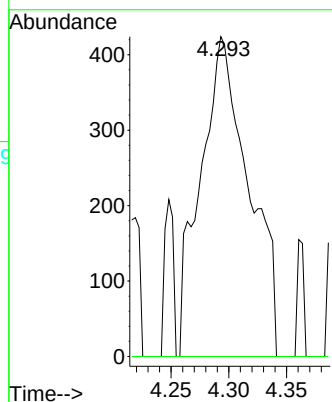


#18  
Methyl Acetate  
Concen: 0.51 ug/l  
RT: 4.293 min Scan# 794  
Delta R.T. 0.006 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-1R

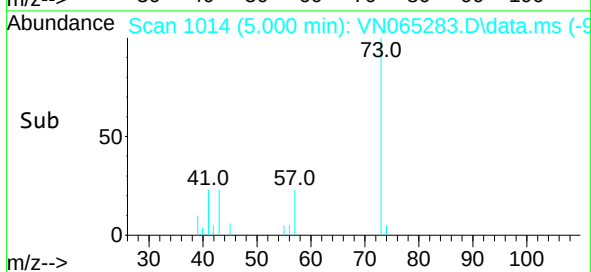
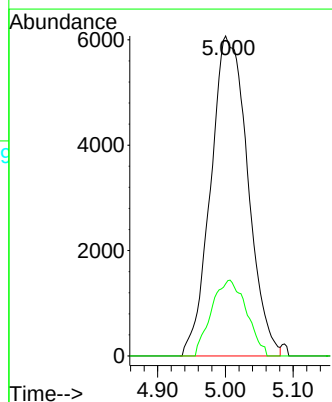
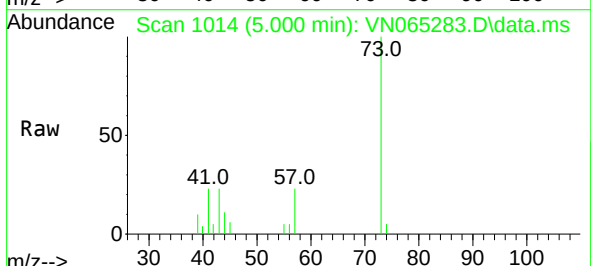


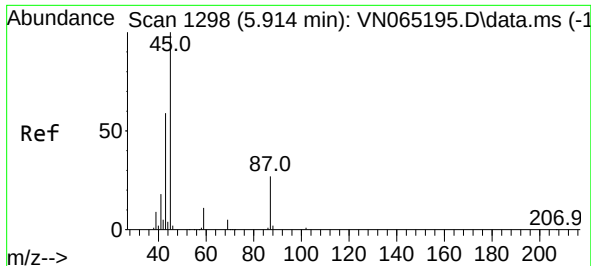
Tgt Ion: 43 Resp: 1236  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



#19  
Methyl tert-butyl Ether  
Concen: 3.11 ug/l  
RT: 5.000 min Scan# 1014  
Delta R.T. -0.004 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

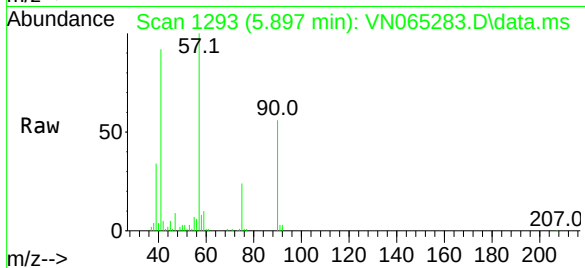
Tgt Ion: 73 Resp: 23043  
Ion Ratio Lower Upper  
73 100  
57 22.6 17.4 26.0



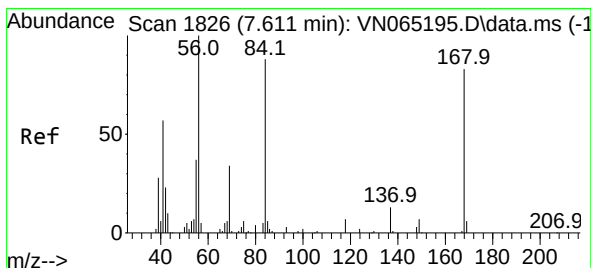
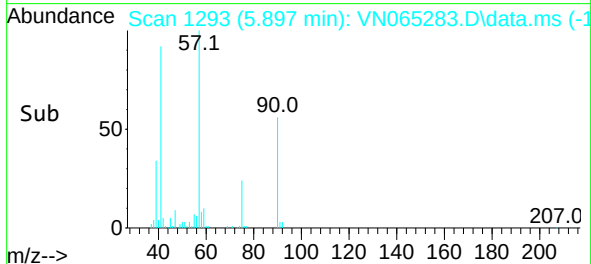
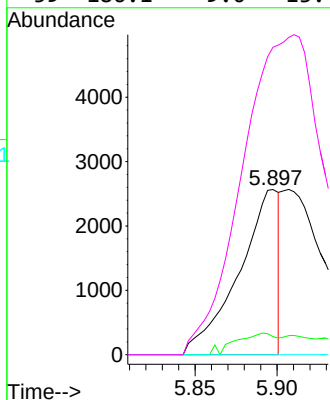


#22  
Diisopropyl ether  
Concen: 0.57 ug/l  
RT: 5.897 min Scan# 1293  
Delta R.T. -0.017 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-1R

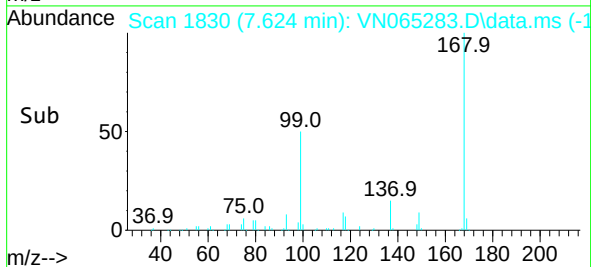
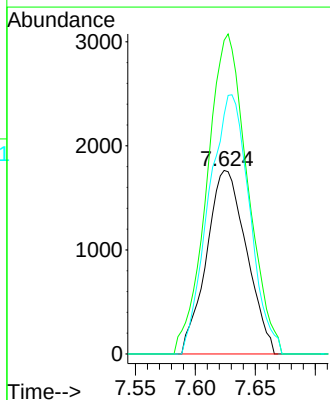
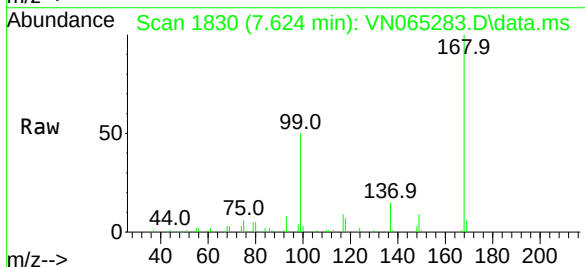


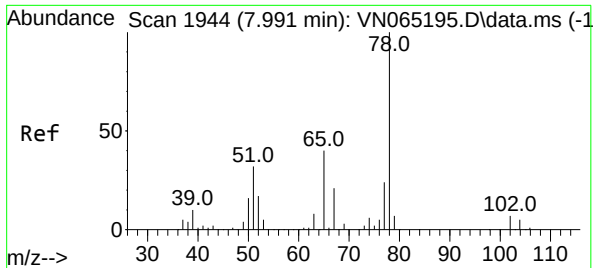
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 4354  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 11.0  | 46.2  | 69.2# |
| 87       | 0.0   | 24.1  | 36.1# |
| 59       | 186.1 | 9.0   | 13.4# |



#31  
Cyclohexane  
Concen: 1.03 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.013 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4083   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 161.8 | 27.5  | 41.3#  |
| 84       | 130.4 | 73.9  | 110.9# |

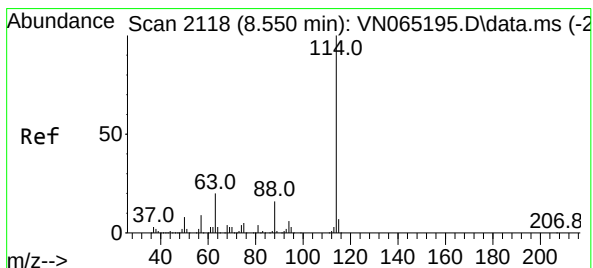
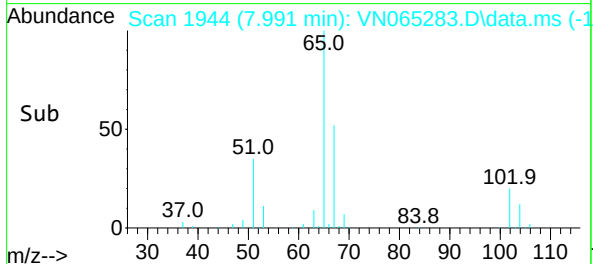
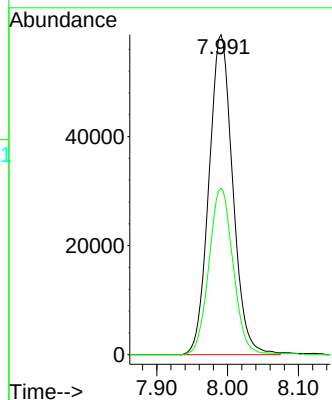
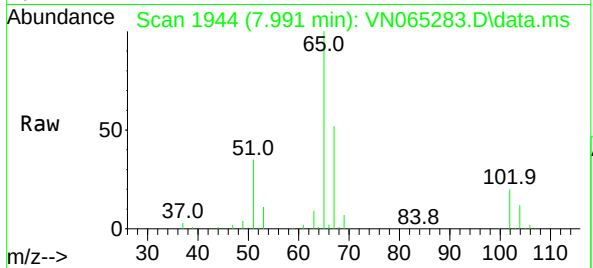




#33  
1,2-Dichloroethane-d4  
Concen: 51.05 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

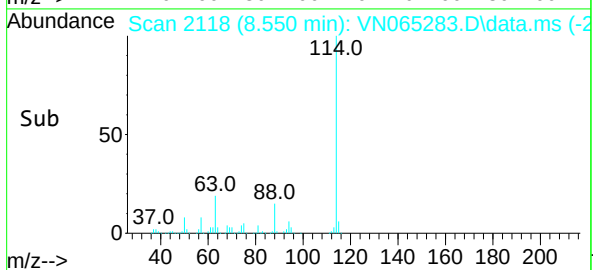
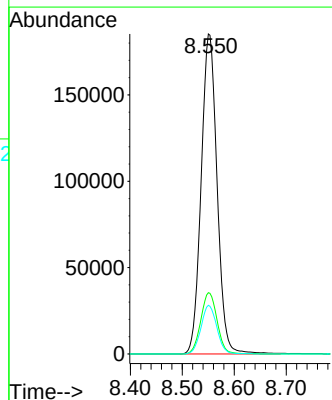
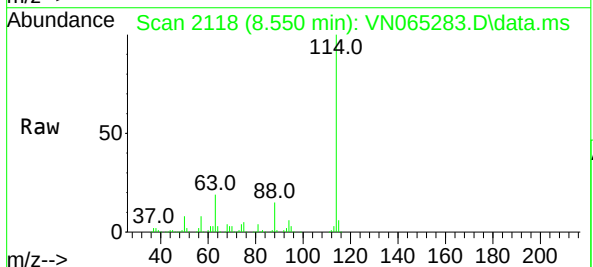
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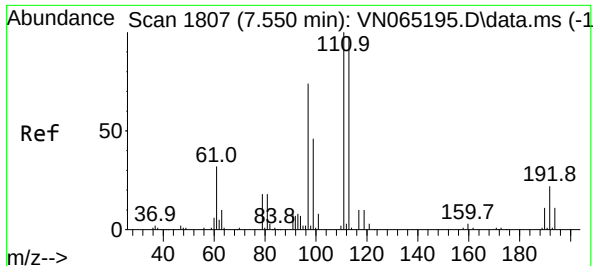
Tgt Ion: 65 Resp: 137072  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 108.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

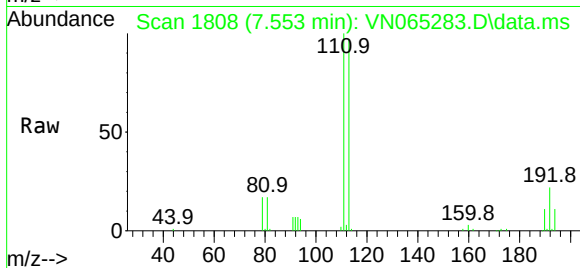
Tgt Ion: 114 Resp: 394175  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 38.6  
88 15.2 0.0 32.6



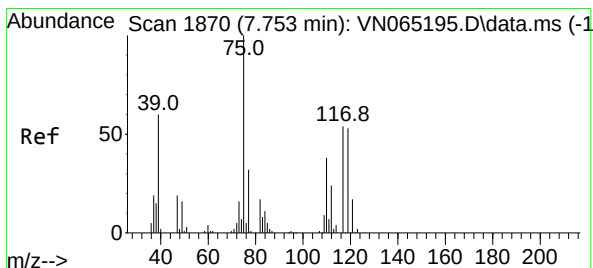
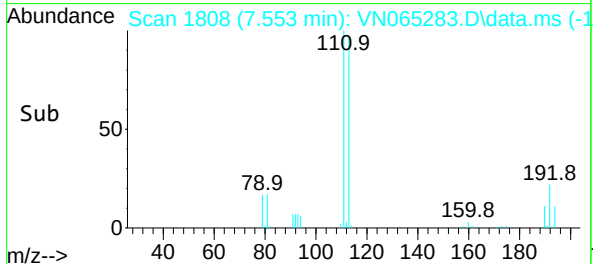
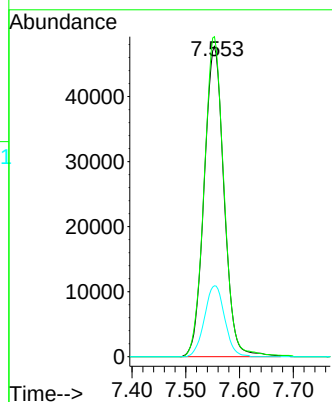


#35  
Dibromofluoromethane  
Concen: 51.66 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1R

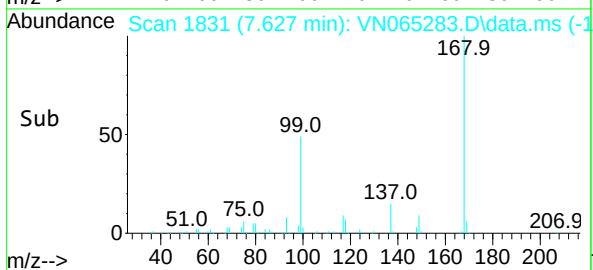
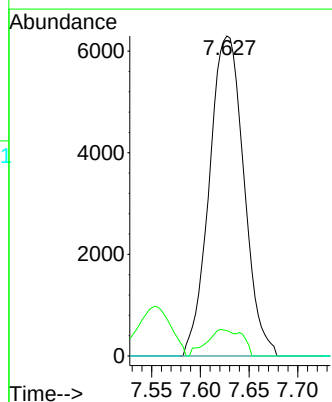
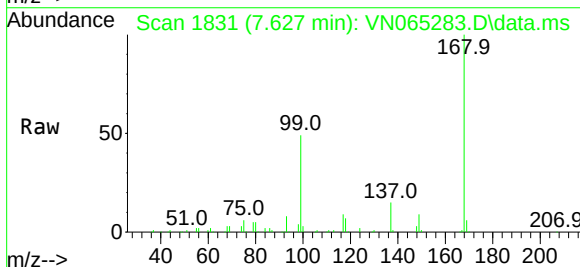


Tgt Ion:113 Resp: 122845  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.6 122.4  
192 23.2 16.2 24.2

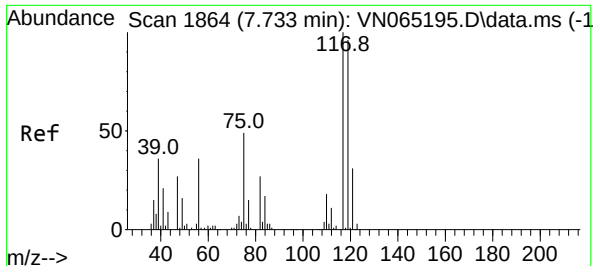


#36  
1,1-Dichloropropene  
Concen: 4.33 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.126 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Tgt Ion: 75 Resp: 15535  
Ion Ratio Lower Upper  
75 100  
110 8.4 17.8 53.3#  
77 0.0 25.0 37.4#

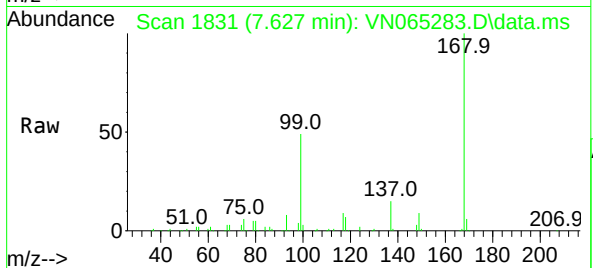




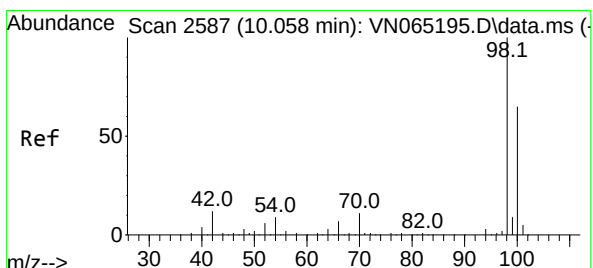
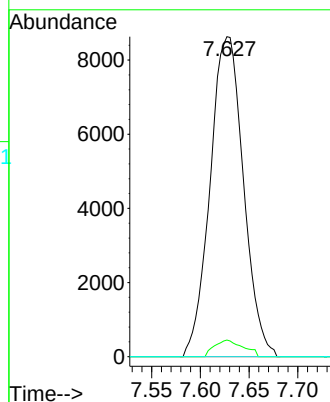
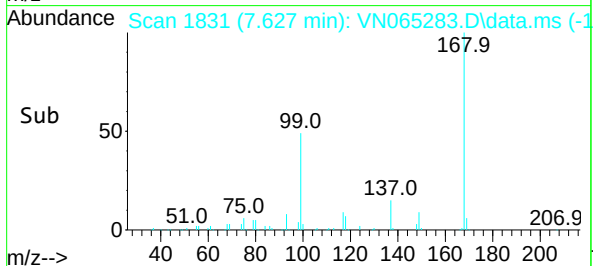


#38  
Carbon Tetrachloride  
Concen: 5.46 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.106 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

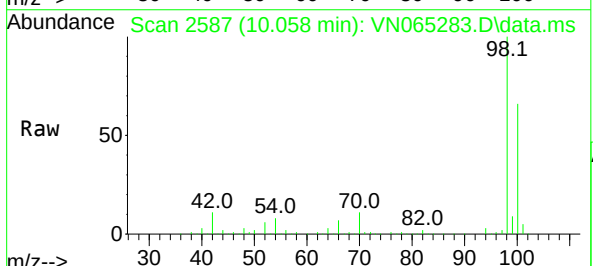
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-1R



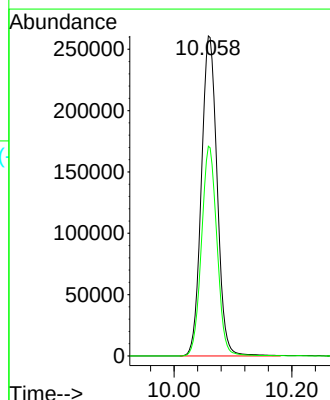
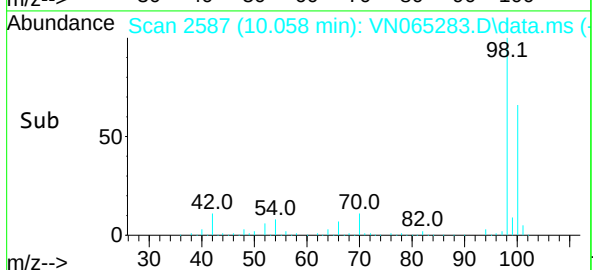
Tgt Ion:117 Resp: 20569  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.7 115.1#  
121 0.0 25.4 38.2#

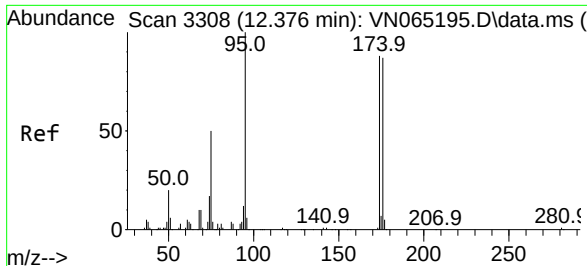


#50  
Toluene-d8  
Concen: 54.35 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02



Tgt Ion: 98 Resp: 484402  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.7 77.5

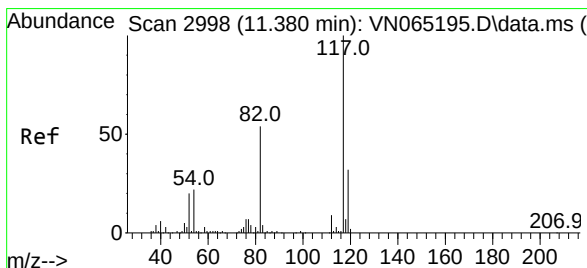
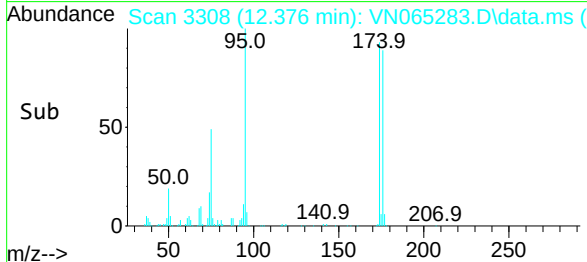
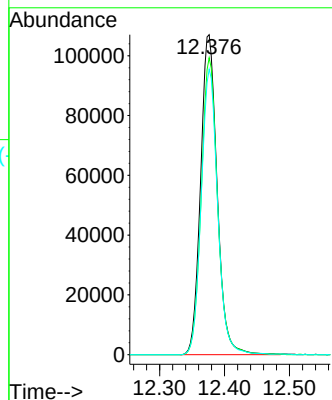
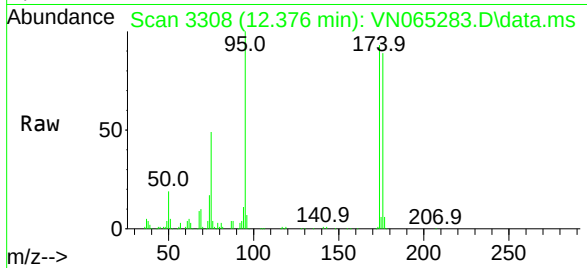




#62  
4-Bromofluorobenzene  
Concen: 53.60 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

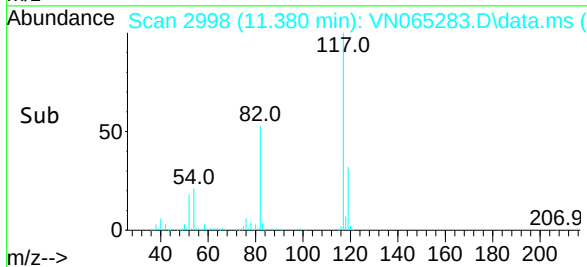
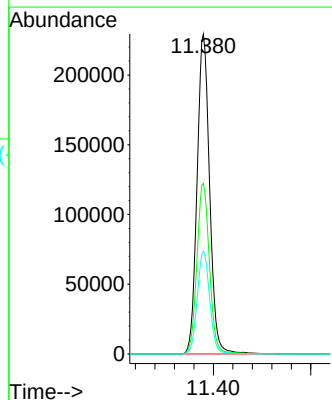
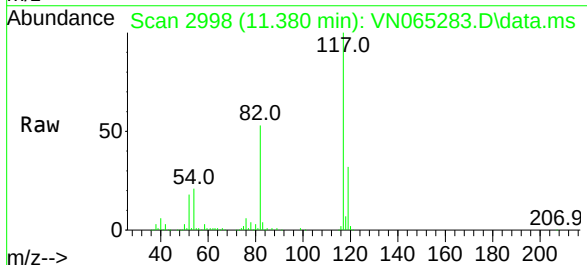
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1R

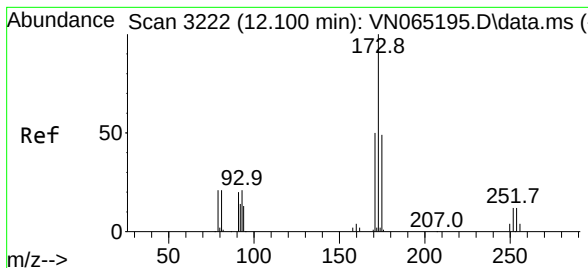
Tgt Ion: 95 Resp: 190368  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 160.4  
176 88.4 0.0 158.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.001 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Tgt Ion: 117 Resp: 409883  
Ion Ratio Lower Upper  
117 100  
82 53.3 44.2 66.2  
119 32.1 25.8 38.6

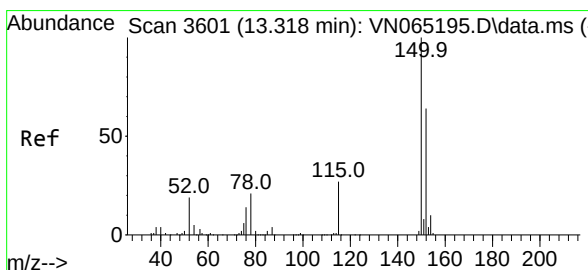
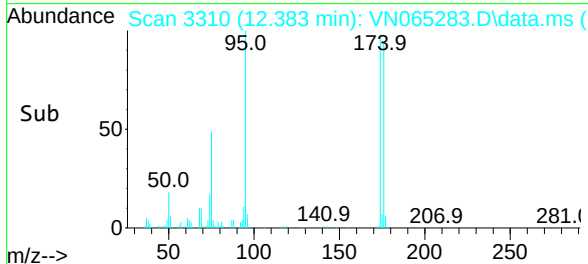
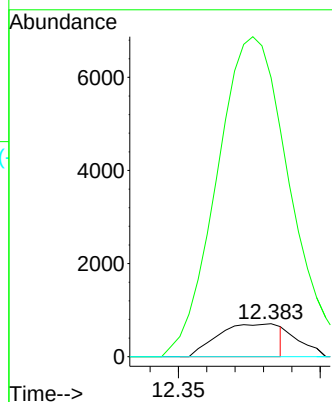
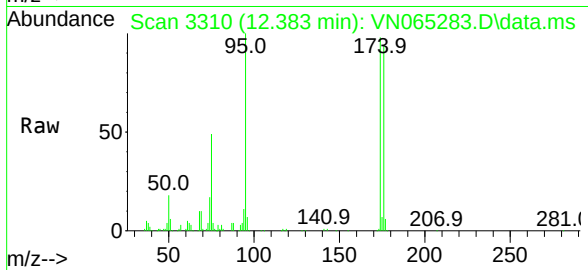




#71  
Bromoform  
Concen: 0.38 ug/l  
RT: 12.383 min Scan# 3310  
Delta R.T. 0.283 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

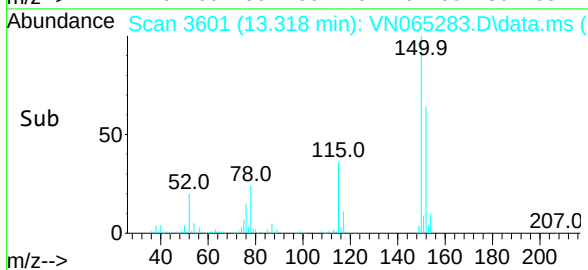
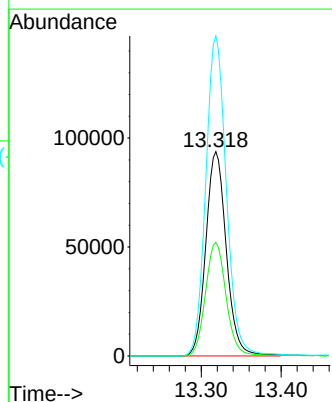
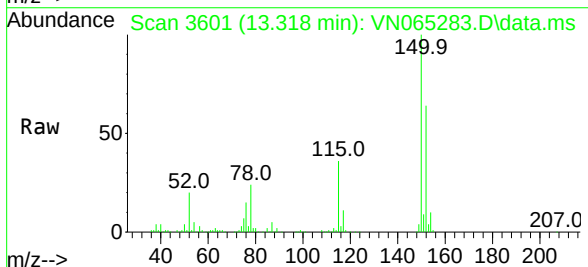
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1R

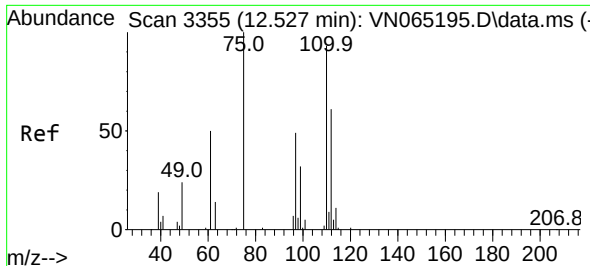
Tgt Ion:173 Resp: 1068  
Ion Ratio Lower Upper  
173 100  
175 939.9 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.318 min Scan# 3601  
Delta R.T. 0.000 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Tgt Ion:152 Resp: 167159  
Ion Ratio Lower Upper  
152 100  
115 55.7 29.7 89.1  
150 157.5 0.0 350.6

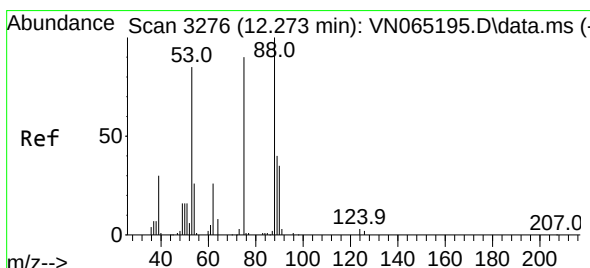
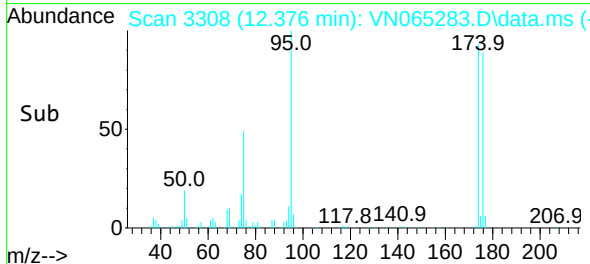
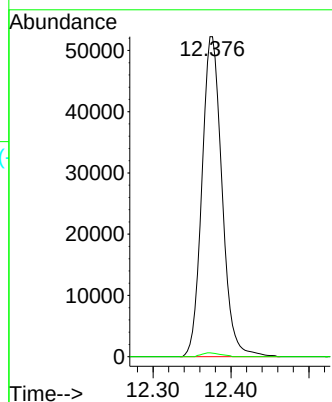
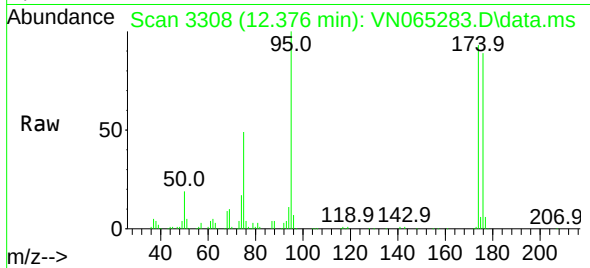




#76  
1,2,3-Trichloropropane  
Concen: 27.41 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.151 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-1R

Tgt Ion: 75 Resp: 93468  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.11 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.103 min  
Lab File: VN065283.D  
Acq: 28 Dec 2020 14:02

Tgt Ion: 75 Resp: 93468  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.0 100.4#  
89 0.0 39.6 59.4#

