

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012921\  
 Data File : VN065677.D  
 Acq On : 29 Jan 2021 15:15  
 Operator : JC/MD  
 Sample : M1288-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 152140-MW-2A

Quant Time: Jan 30 01:03:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

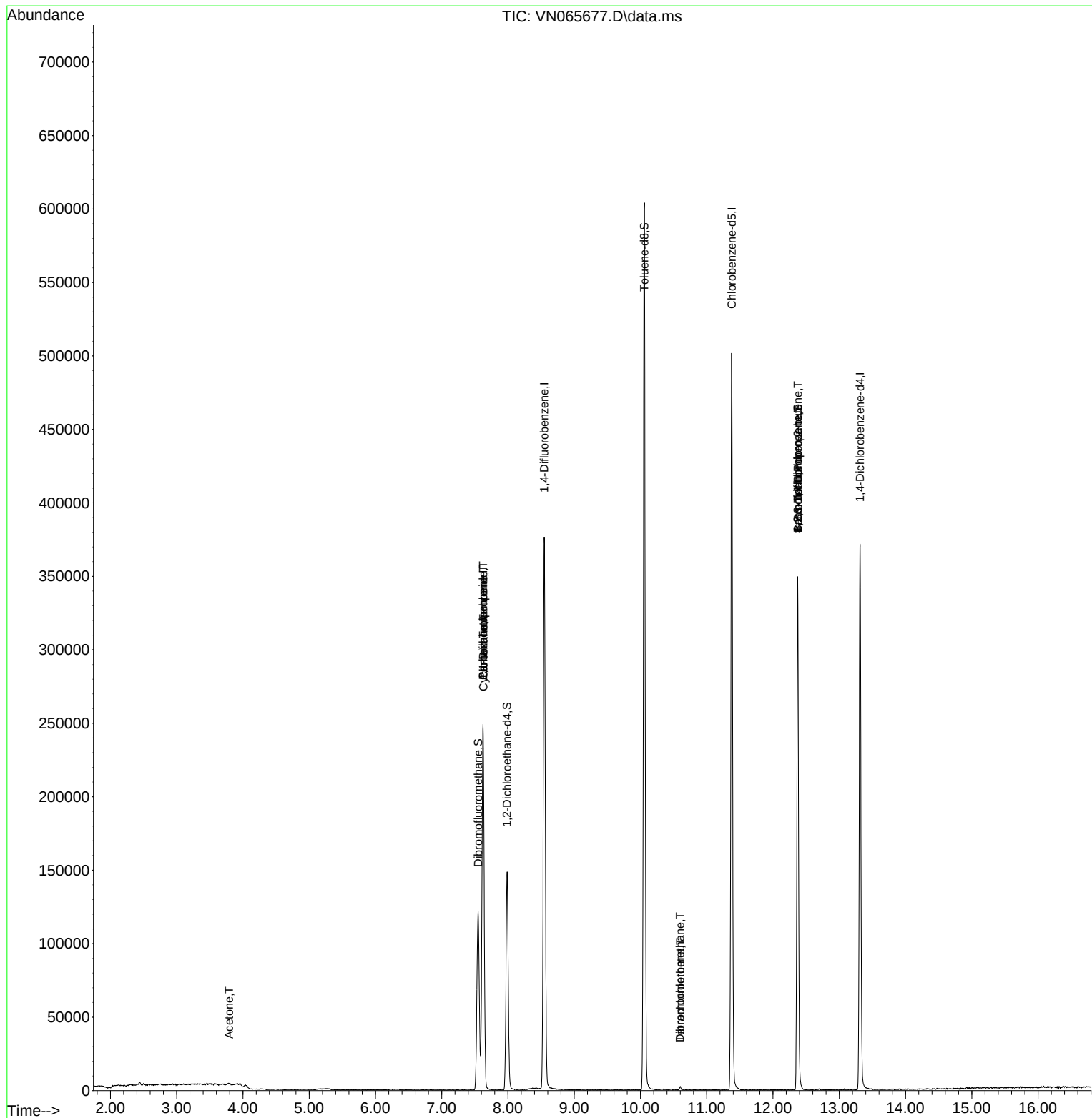
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 204763     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.547          | 114  | 349046     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 300714     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 107829     | 50.00   | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 123310     | 45.77   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 91.54%  |        |          |
| 35) Dibromofluoromethane      | 7.550          | 113  | 99038      | 47.88   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 95.76%  |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 433513     | 53.32   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 106.64% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 141207     | 48.23   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 96.46%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 16) Acetone                   | 3.791          | 43   | 1225       | 1.17    | ug/l # | 41       |
| 31) Cyclohexane               | 7.627          | 56   | 3869       | 0.76    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624          | 75   | 16616      | 4.73    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.624          | 117  | 18828      | 6.51    | ug/l # | 16       |
| 60) Dibromochloromethane      | 10.598         | 129  | 623        | 0.25    | ug/l # | 11       |
| 64) Tetrachloroethene         | 10.601         | 164  | 539        | 0.21    | ug/l   | 90       |
| 71) Bromoform                 | 12.373         | 173  | 382        | 0.25    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 65810      | 23.34   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 65810      | 59.78   | ug/l # | 12       |
| -----                         |                |      |            |         |        |          |

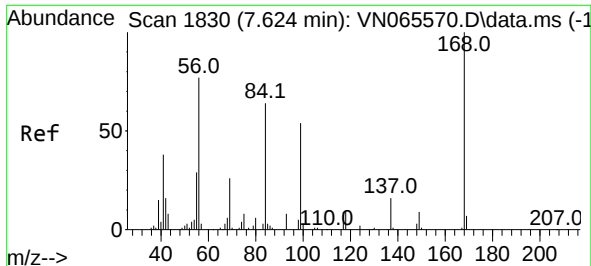
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012921\  
Data File : VN065677.D  
Acq On : 29 Jan 2021 15:15  
Operator : JC/MD  
Sample : M1288-03  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

Quant Time: Jan 30 01:03:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration

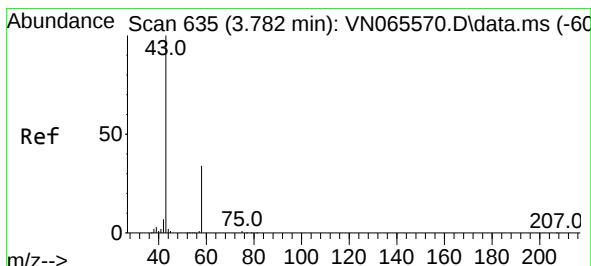
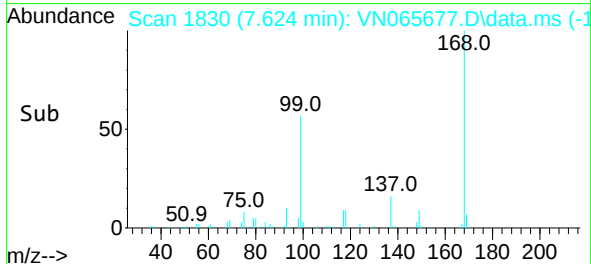
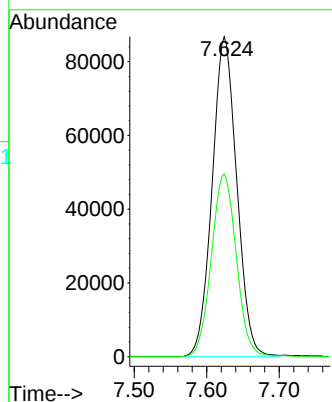
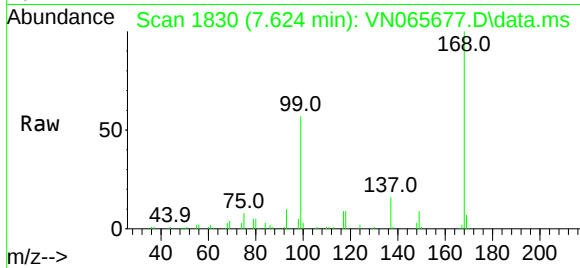




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

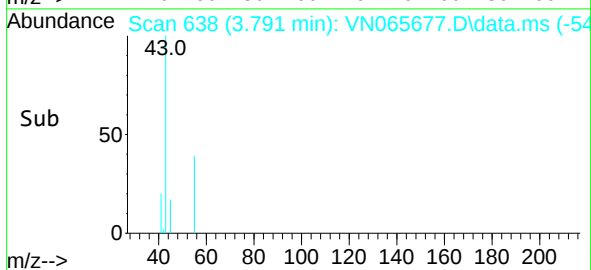
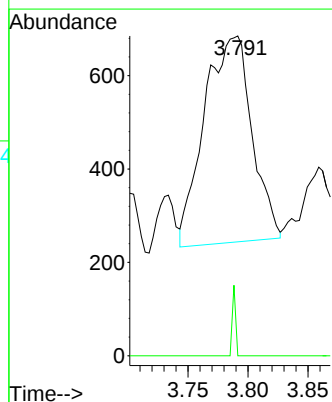
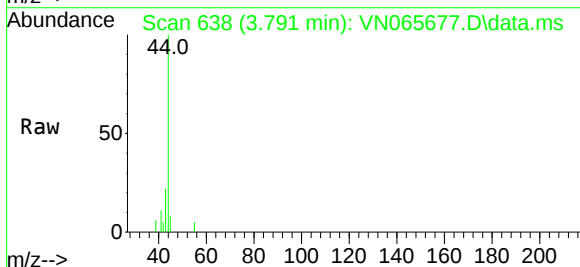
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

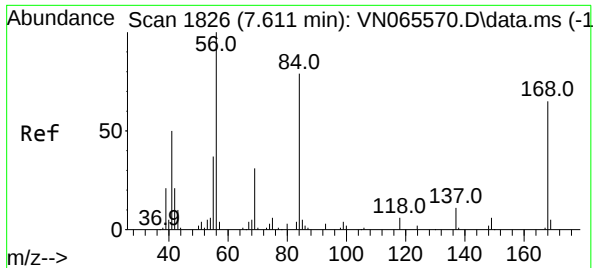
Tgt Ion:168 Resp: 204763  
Ion Ratio Lower Upper  
168 100  
99 57.2 42.6 63.8



#16  
Acetone  
Concen: 1.17 ug/l  
RT: 3.791 min Scan# 638  
Delta R.T. 0.009 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

Tgt Ion: 43 Resp: 1225  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.6#

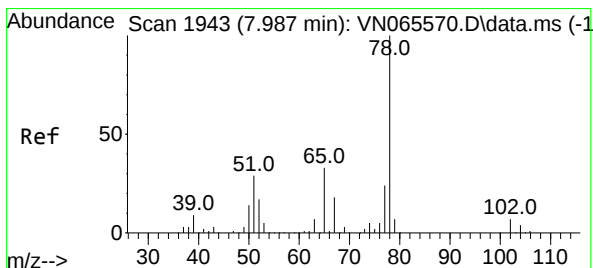
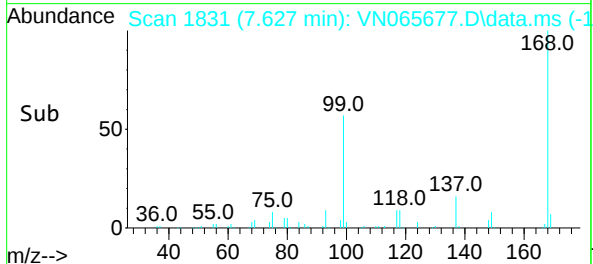
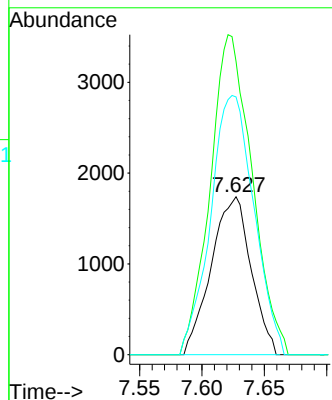
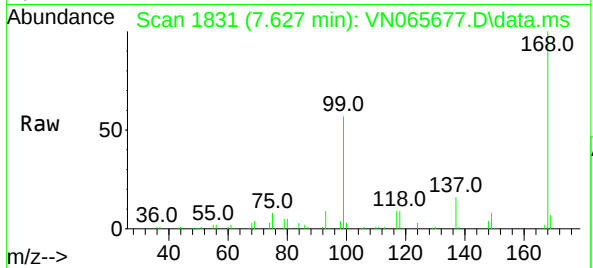




#31  
Cyclohexane  
Concen: 0.76 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.016 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

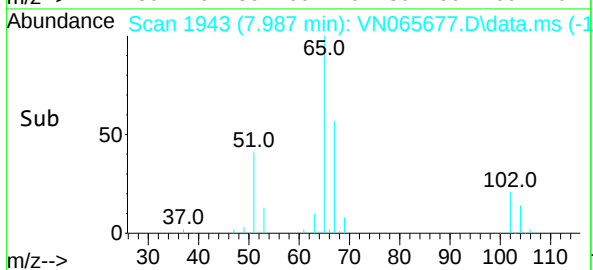
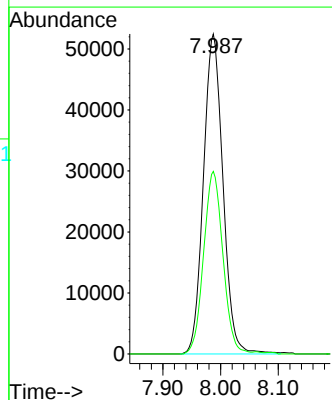
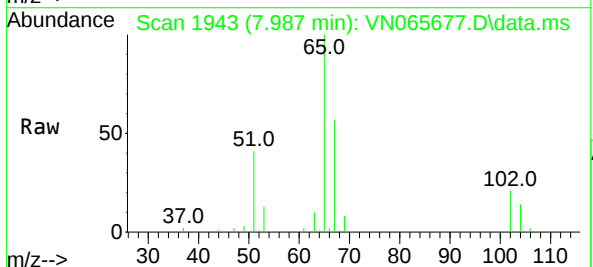
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

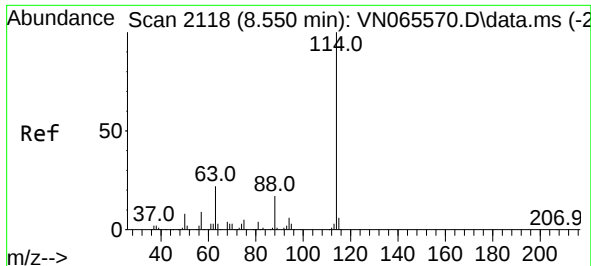
Tgt Ion: 56 Resp: 3869  
Ion Ratio Lower Upper  
56 100  
69 185.8 26.6 39.8#  
84 163.3 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 45.77 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

Tgt Ion: 65 Resp: 123310  
Ion Ratio Lower Upper  
65 100  
67 56.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. -0.003 min

Lab File: VN065677.D

Acq: 29 Jan 2021 15:15

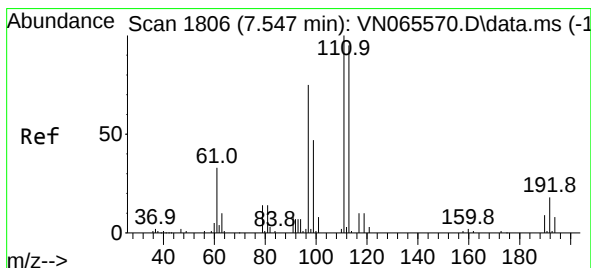
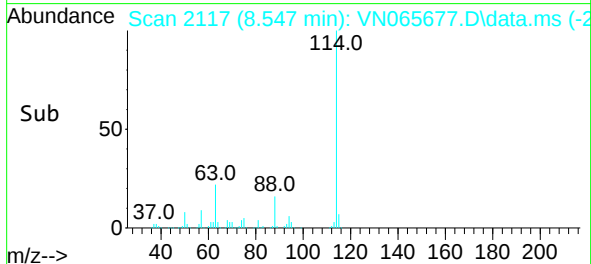
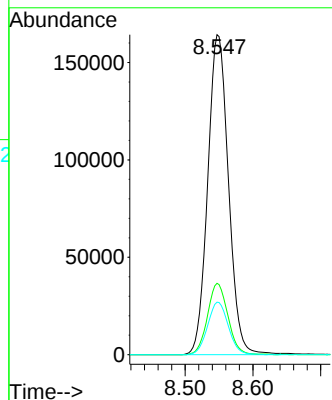
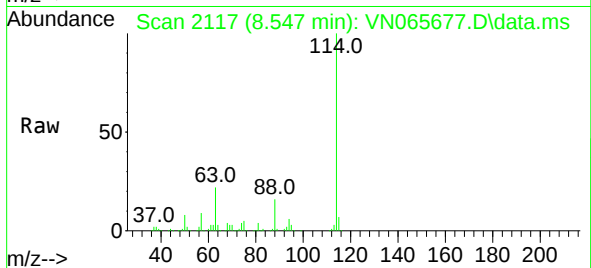
Tgt Ion:114 Resp: 349046

Ion Ratio Lower Upper

114 100

63 22.3 0.0 38.6

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.88 ug/l

RT: 7.550 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VN065677.D

Acq: 29 Jan 2021 15:15

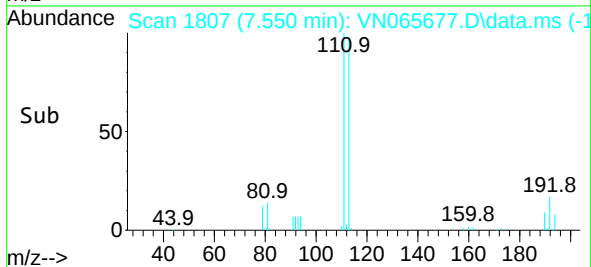
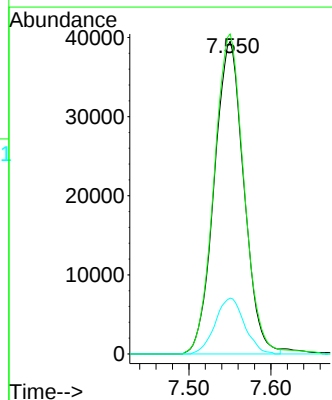
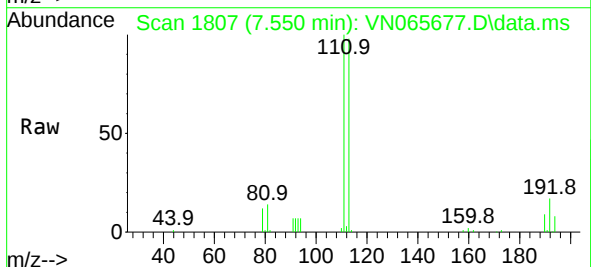
Tgt Ion:113 Resp: 99038

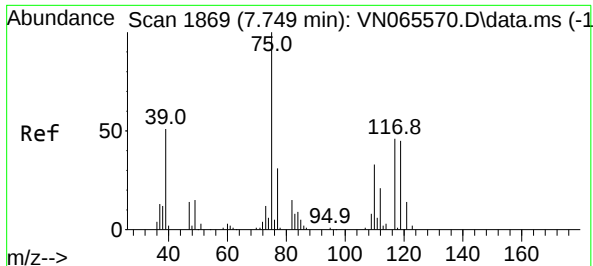
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

192 17.7 15.4 23.0

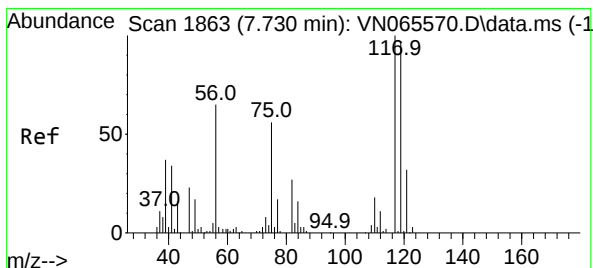
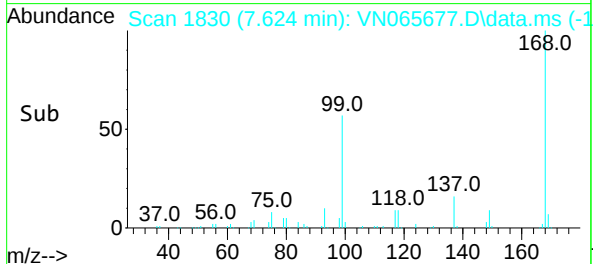
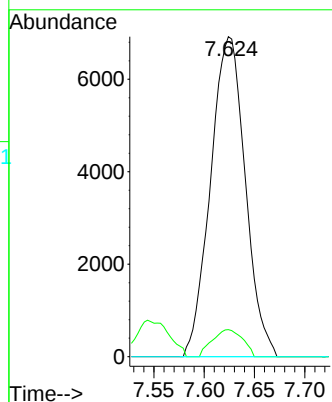
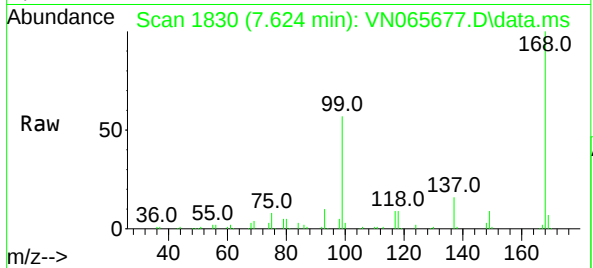




#36  
1,1-Dichloropropene  
Concen: 4.73 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.125 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

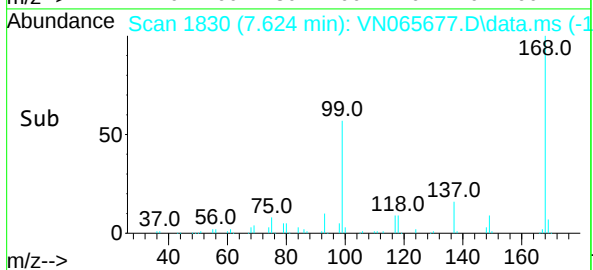
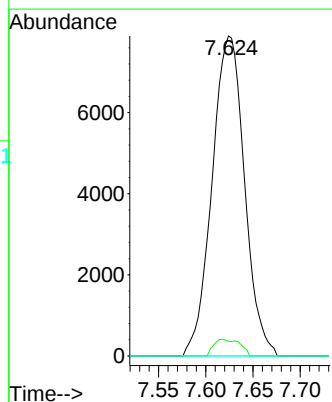
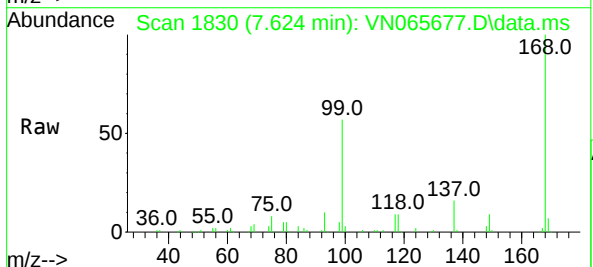
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

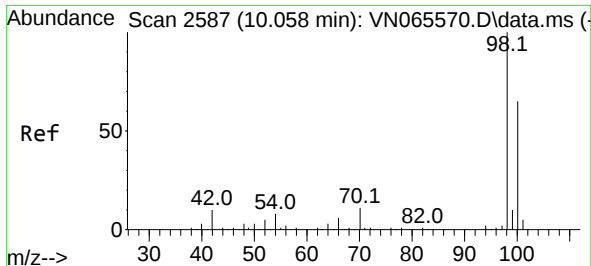
Tgt Ion: 75 Resp: 16616  
Ion Ratio Lower Upper  
75 100  
110 7.4 18.2 54.6#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 6.51 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.106 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

Tgt Ion: 117 Resp: 18828  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.0 114.0#  
121 0.0 24.5 36.7#

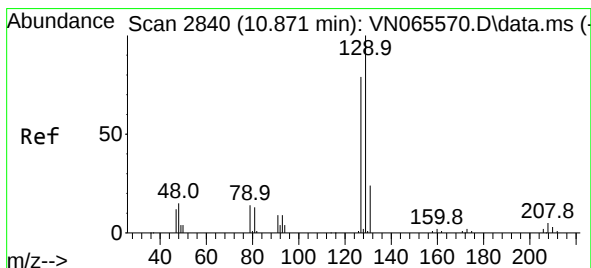
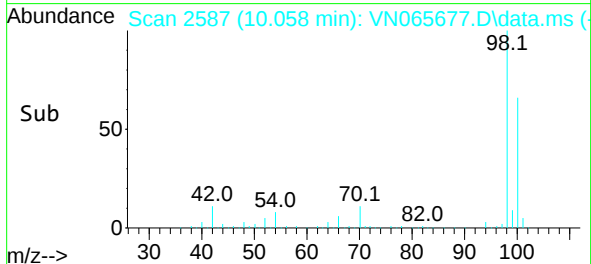
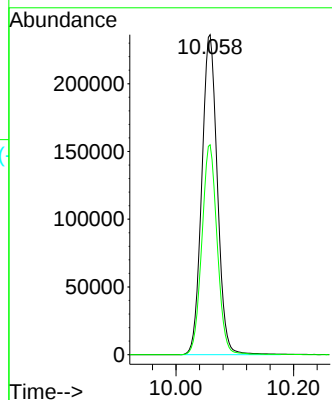
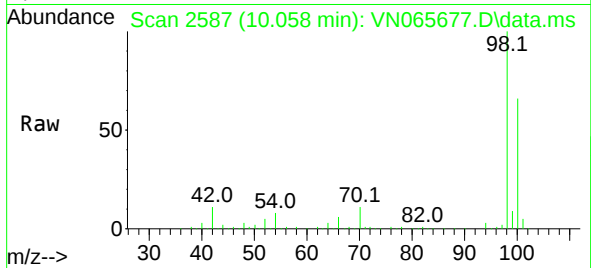




#50  
Toluene-d8  
Concen: 53.32 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

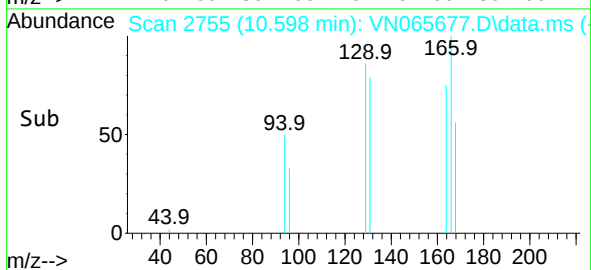
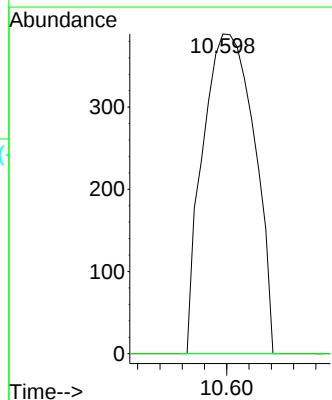
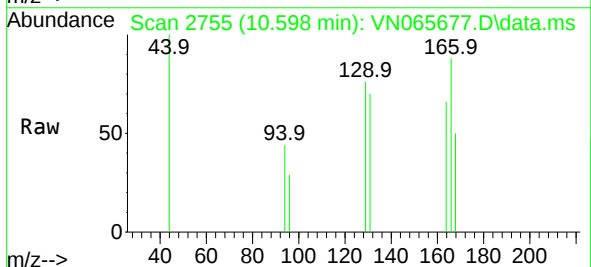
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

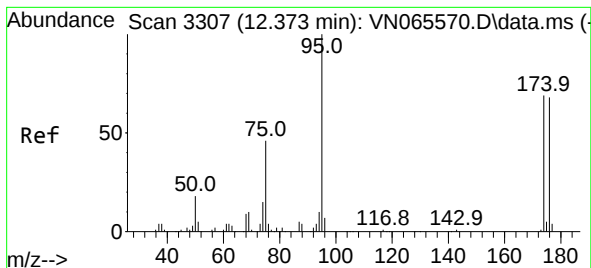
Tgt Ion: 98 Resp: 433513  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.5 75.7



#60  
Dibromochloromethane  
Concen: 0.25 ug/l  
RT: 10.598 min Scan# 2755  
Delta R.T. -0.273 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

Tgt Ion: 129 Resp: 623  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#

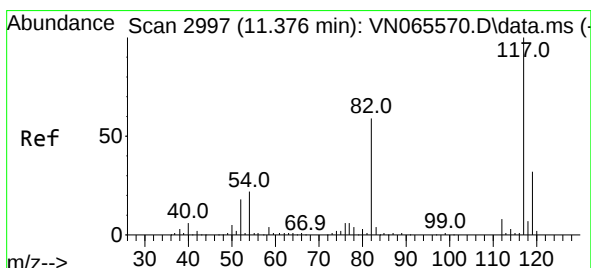
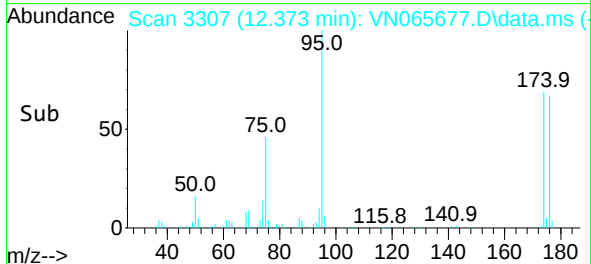
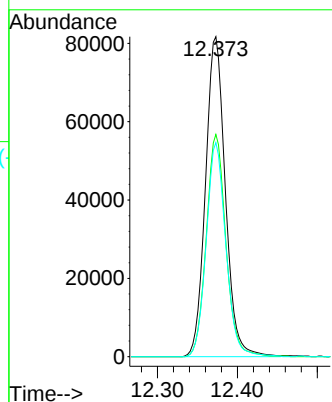
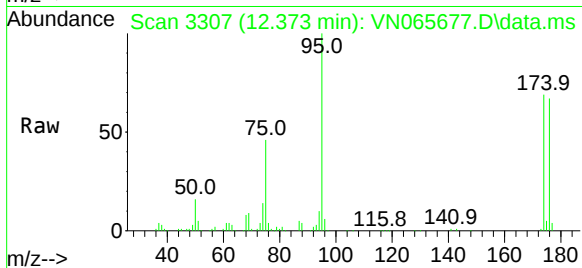




#62  
4-Bromofluorobenzene  
Concen: 48.23 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

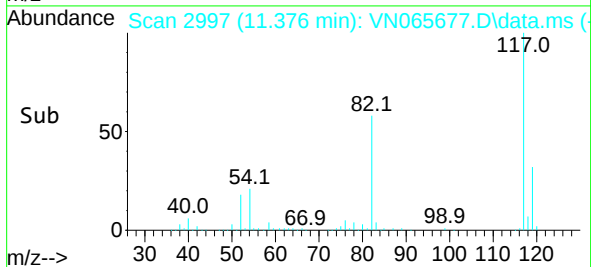
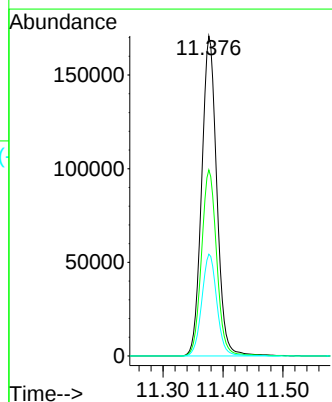
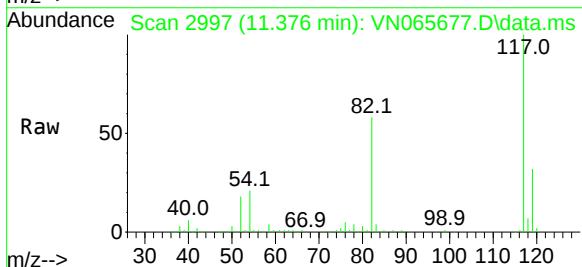
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

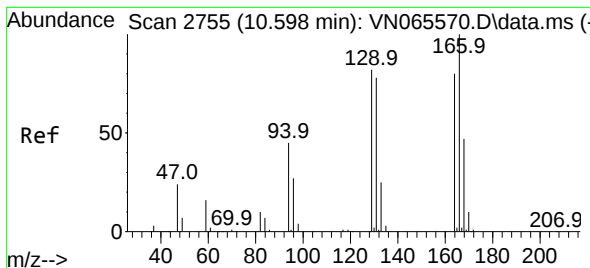
Tgt Ion: 95 Resp: 141207  
Ion Ratio Lower Upper  
95 100  
174 68.7 0.0 169.0  
176 66.0 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

Tgt Ion: 117 Resp: 300714  
Ion Ratio Lower Upper  
117 100  
82 58.1 43.7 65.5  
119 31.8 26.1 39.1





#64

Tetrachloroethene

Concen: 0.21 ug/l

RT: 10.601 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VN065677.D

Acq: 29 Jan 2021 15:15

Instrument :  
MSVOA\_N  
ClientSampled :  
152140-MW-2A

Tgt Ion:164 Resp: 539

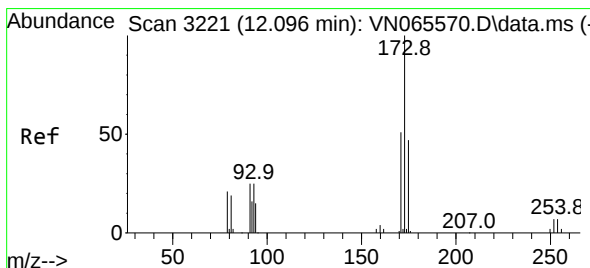
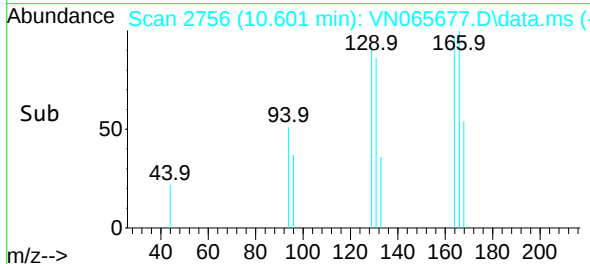
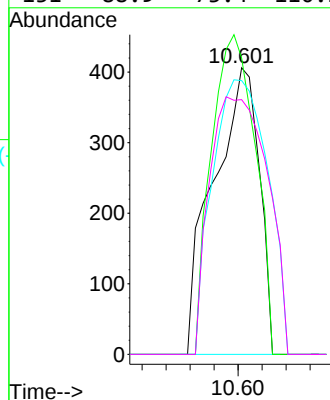
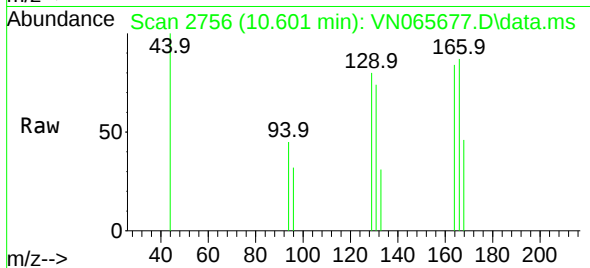
Ion Ratio Lower Upper

164 100

166 103.4 102.6 154.0

129 95.6 76.2 114.4

131 88.9 73.4 110.2



#71

Bromoform

Concen: 0.25 ug/l

RT: 12.373 min Scan# 3307

Delta R.T. 0.277 min

Lab File: VN065677.D

Acq: 29 Jan 2021 15:15

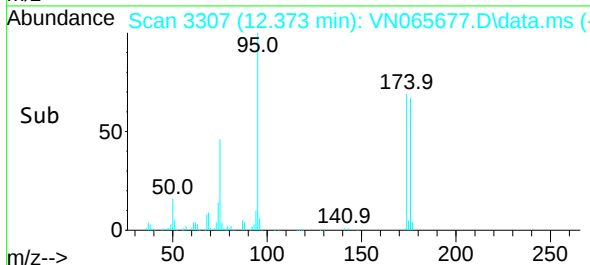
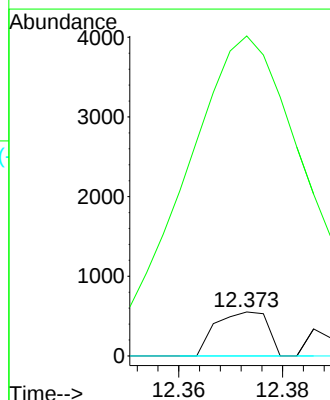
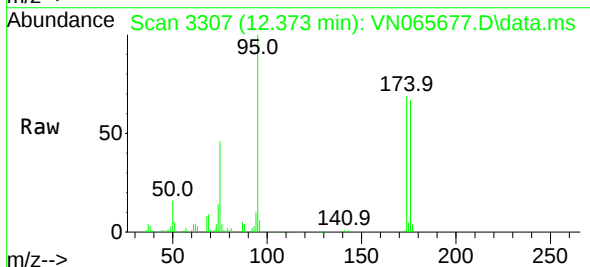
Tgt Ion:173 Resp: 382

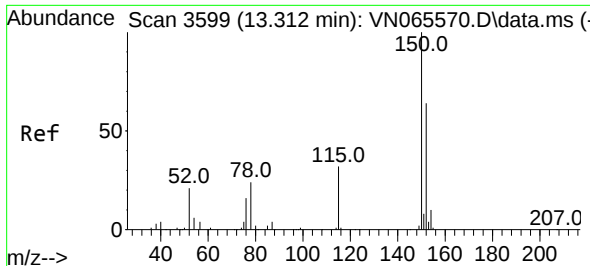
Ion Ratio Lower Upper

173 100

175 1467.8 23.8 71.2#

254 0.0 0.0 0.0

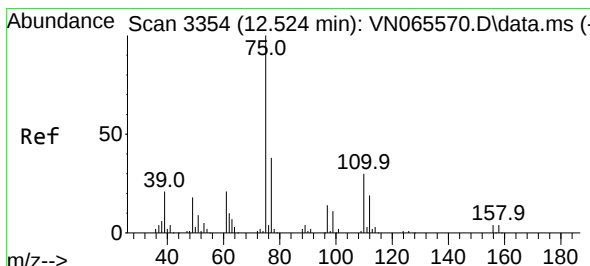
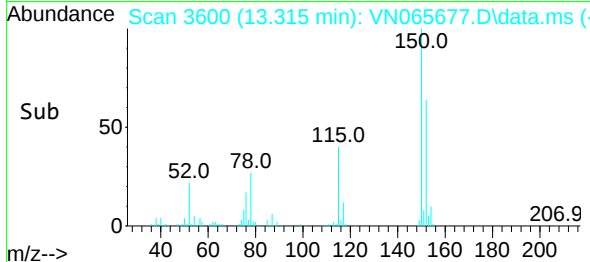
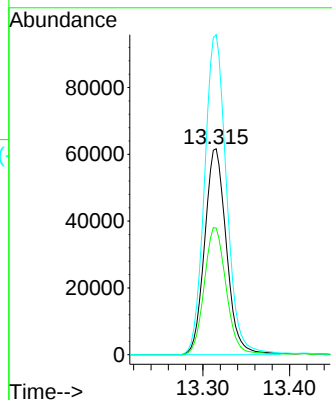
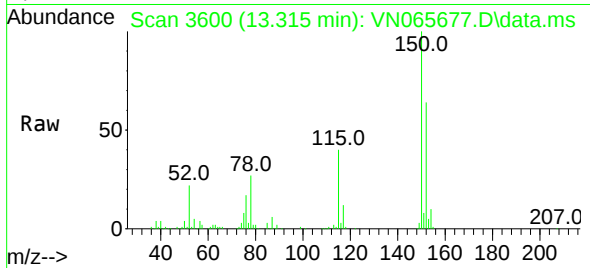




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

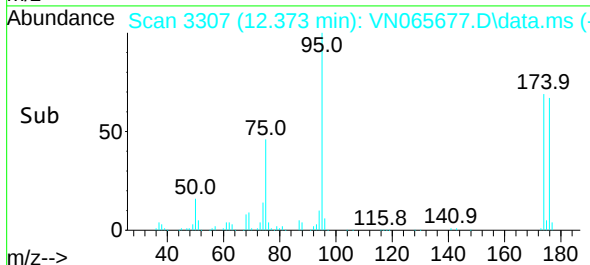
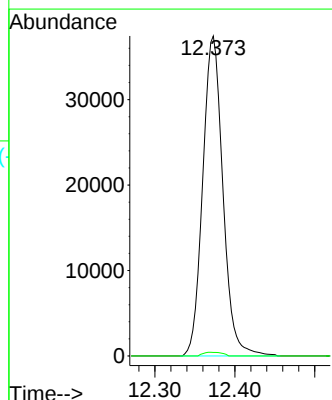
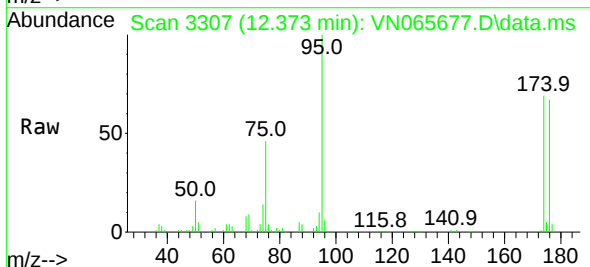
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2A

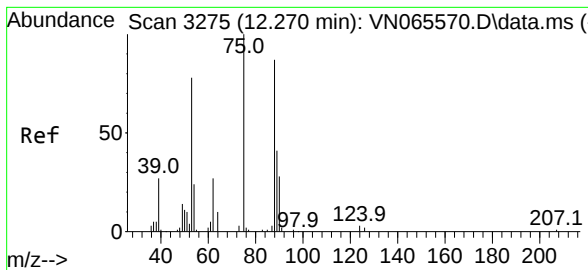
Tgt Ion:152 Resp: 107829  
Ion Ratio Lower Upper  
152 100  
115 62.0 28.5 85.6  
150 157.4 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 23.34 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065677.D  
Acq: 29 Jan 2021 15:15

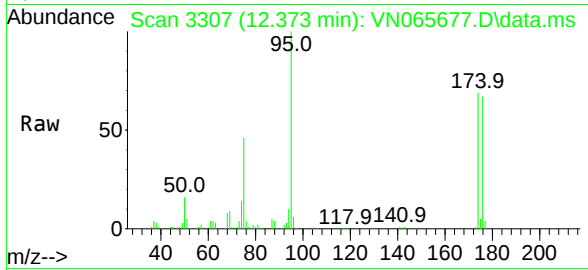
Tgt Ion: 75 Resp: 65810  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 59.78 ug/l  
 RT: 12.373 min Scan# 3307  
 Delta R.T. 0.103 min  
 Lab File: VN065677.D  
 Acq: 29 Jan 2021 15:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 152140-MW-2A



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 74.6  | 111.8# |
| 89      | 0.0   | 35.8  | 53.8#  |

