

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020521\  
 Data File : VN065736.D  
 Acq On : 5 Feb 2021 14:27  
 Operator : JC/MD  
 Sample : M1288-21  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 152140-DDC-4-PD

Quant Time: Feb 05 22:47:52 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

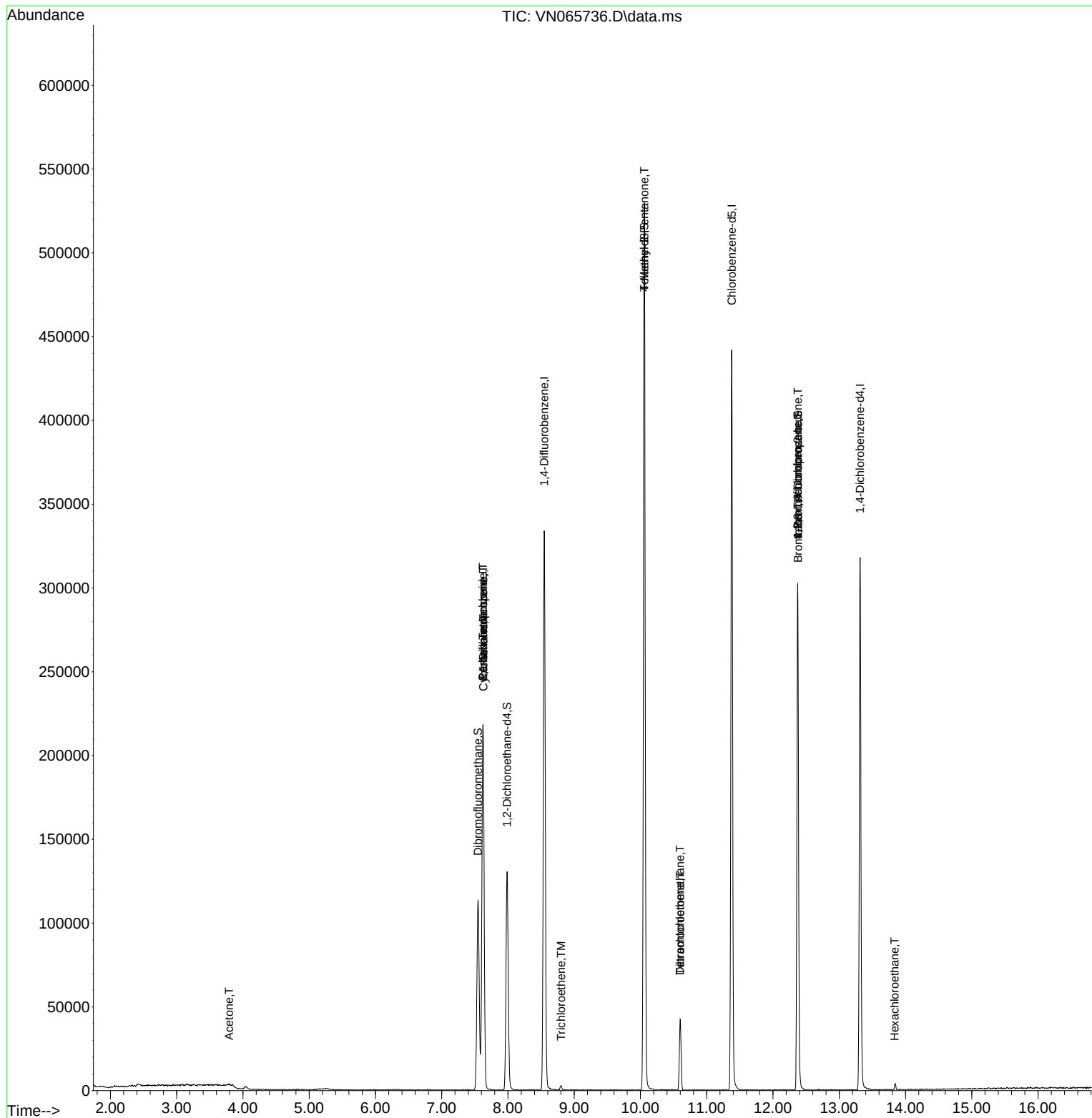
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 183350     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.547          | 114  | 311352     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 273246     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 93921      | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 110646     | 45.87   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 91.74%  |        |          |
| 35) Dibromofluoromethane      | 7.547          | 113  | 92176      | 49.96   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 99.92%  |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 389519     | 53.71   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 107.42% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 121941     | 46.69   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 93.38%  |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         |        | Qvalue   |
| 16) Acetone                   | 3.791          | 43   | 857        | 0.91    | ug/l # | 41       |
| 31) Cyclohexane               | 7.627          | 56   | 3254       | 0.72    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624          | 75   | 14072      | 4.49    | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.621          | 117  | 17173      | 6.66    | ug/l # | 16       |
| 44) Trichloroethene           | 8.801          | 130  | 1144       | 0.49    | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.058         | 43   | 1673       | 0.57    | ug/l # | 1        |
| 60) Dibromochloromethane      | 10.598         | 129  | 10297      | 4.66    | ug/l # | 11       |
| 64) Tetrachloroethene         | 10.598         | 164  | 10264      | 4.48    | ug/l   | 93       |
| 71) Bromoform                 | 12.376         | 173  | 449        | 0.32    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 55930      | 22.77   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 55930      | 58.33   | ug/l # | 12       |
| 90) Hexachloroethane          | 13.836         | 117  | 734        | 0.60    | ug/l   | 91       |
| -----                         |                |      |            |         |        |          |

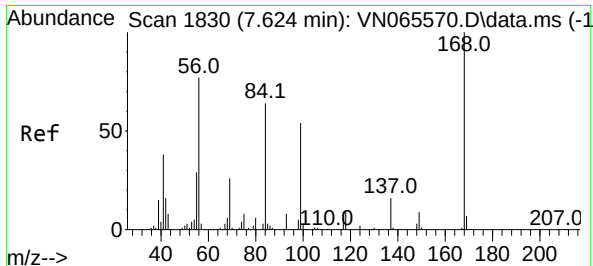
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020521\  
Data File : VN065736.D  
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Sample : M1288-21  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD

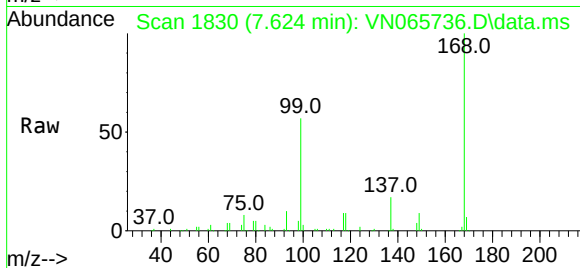
Quant Time: Feb 05 22:47:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration



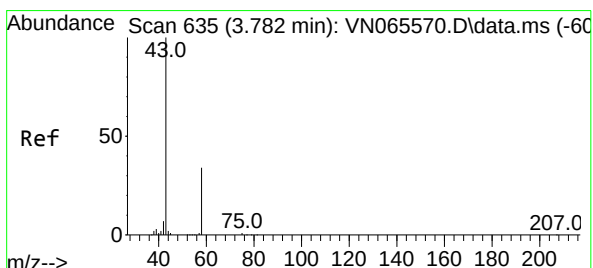
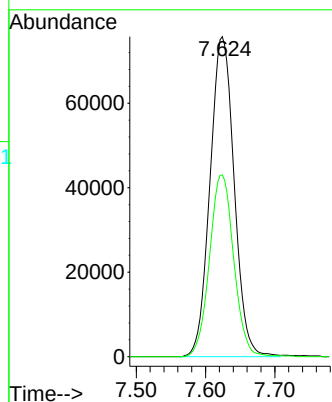
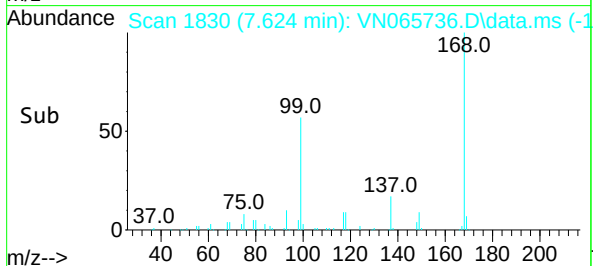


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

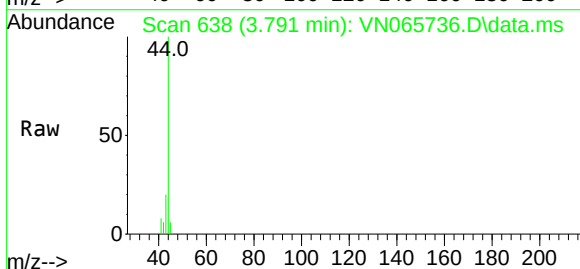
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD



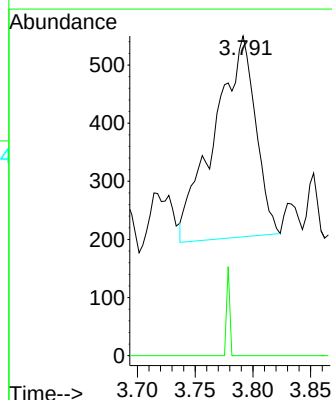
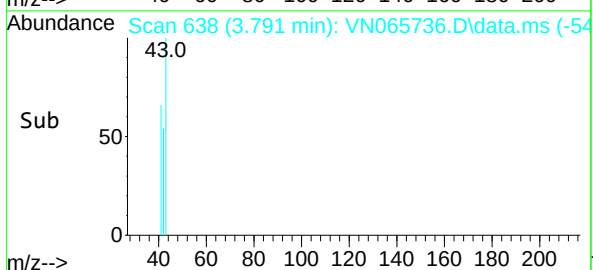
Tgt Ion:168 Resp: 183350  
Ion Ratio Lower Upper  
168 100  
99 56.8 42.6 63.8

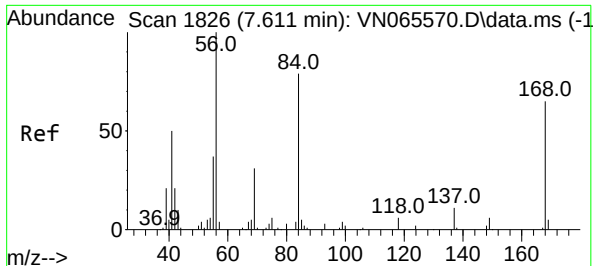


#16  
Acetone  
Concen: 0.91 ug/l  
RT: 3.791 min Scan# 638  
Delta R.T. 0.009 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27



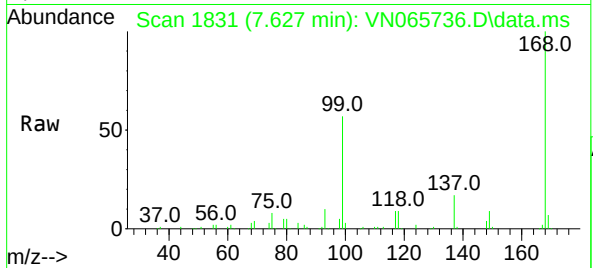
Tgt Ion: 43 Resp: 857  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.6#



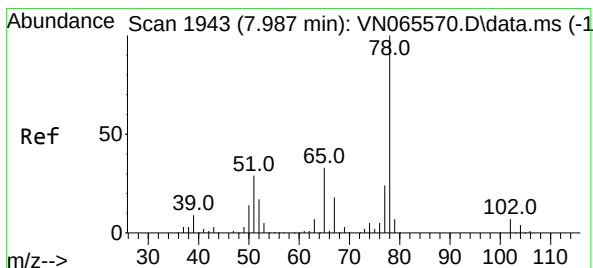
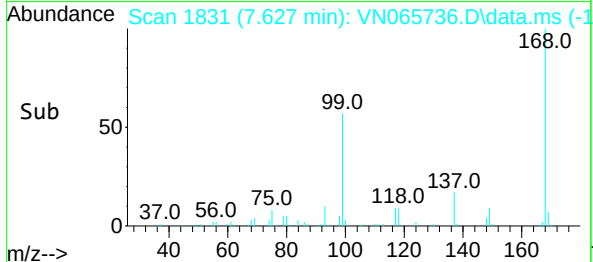
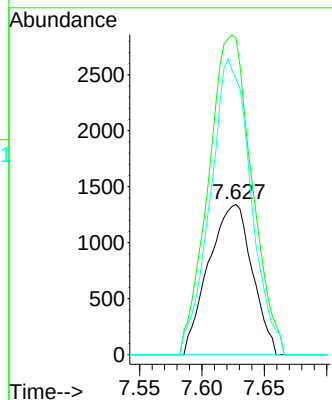


#31  
Cyclohexane  
Concen: 0.72 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.016 min  
Lab File: VN065736.D  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD

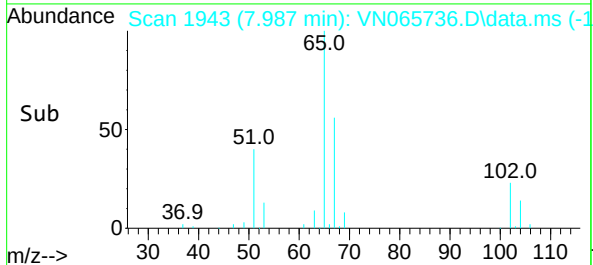
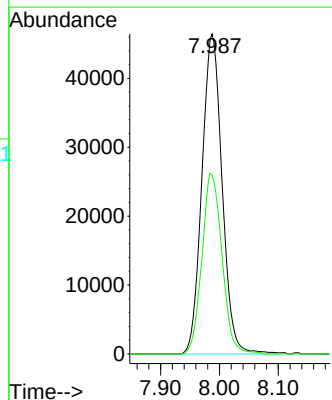
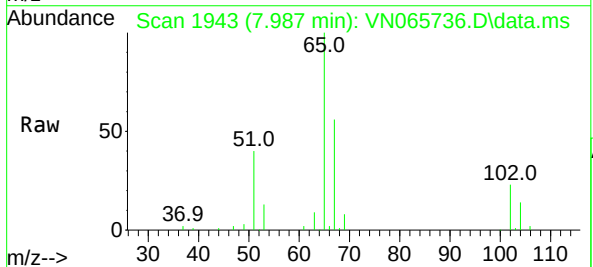


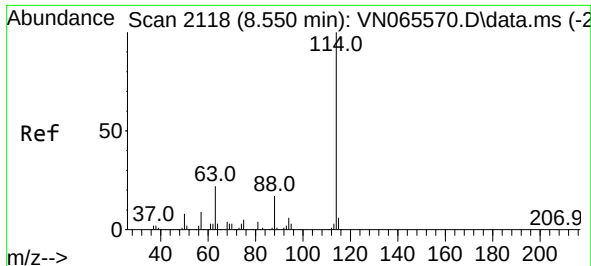
Tgt Ion: 56 Resp: 3254  
Ion Ratio Lower Upper  
56 100  
69 210.7 26.6 39.8#  
84 183.5 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 45.87 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 65 Resp: 110646  
Ion Ratio Lower Upper  
65 100  
67 56.1 0.0 107.2

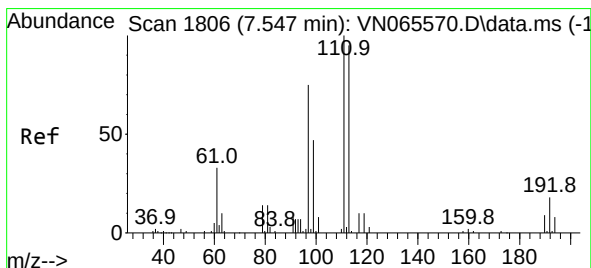
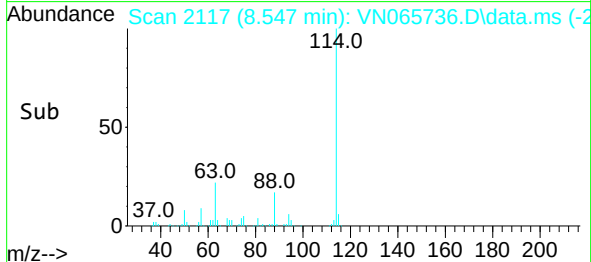
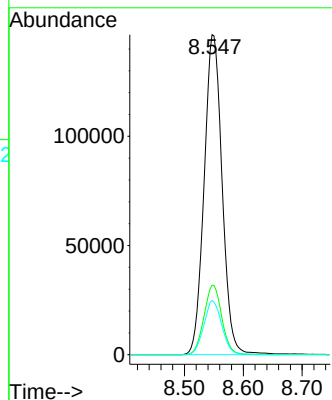
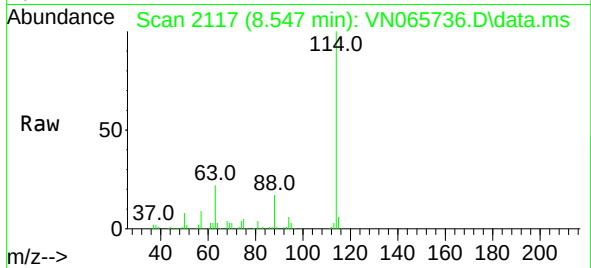




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

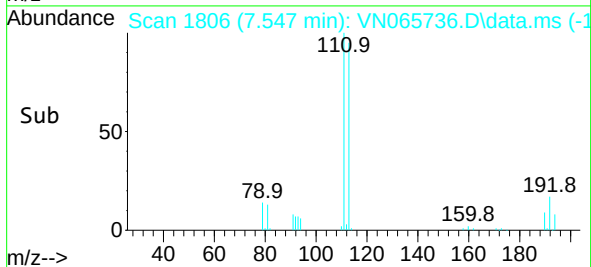
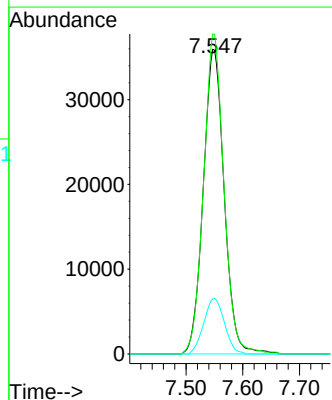
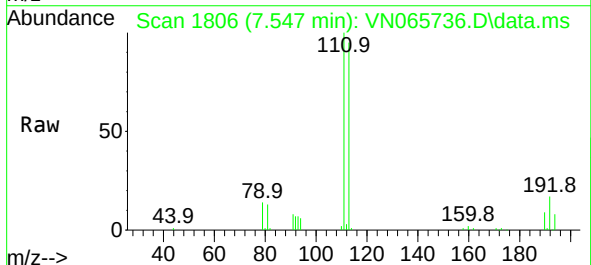
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD

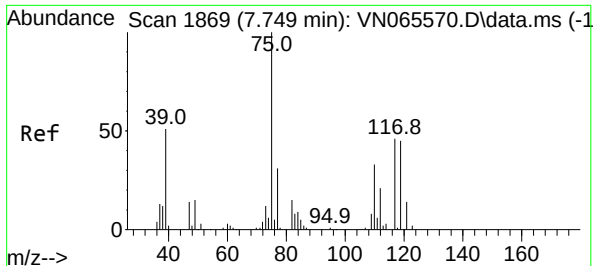
Tgt Ion:114 Resp: 311352  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 38.6  
88 16.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.96 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion:113 Resp: 92176  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.2 123.2  
192 18.0 15.4 23.0

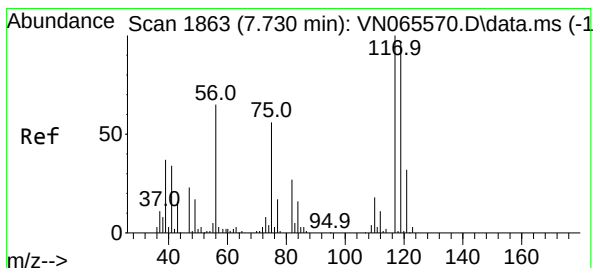
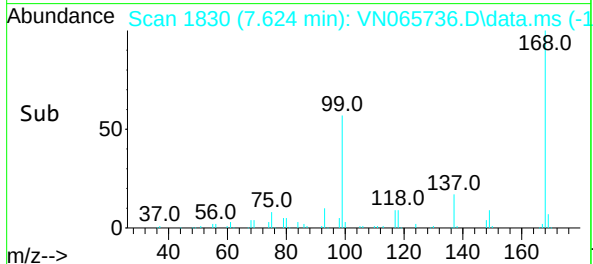
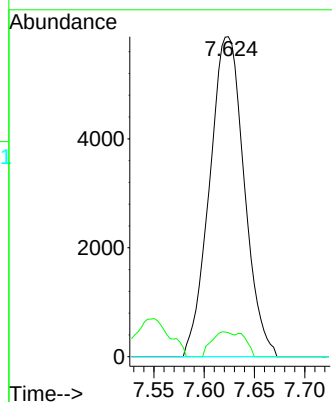
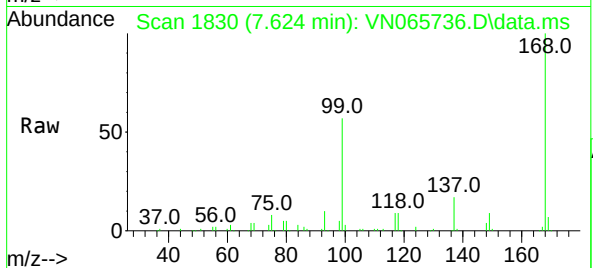




#36  
1,1-Dichloropropene  
Concen: 4.49 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.125 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

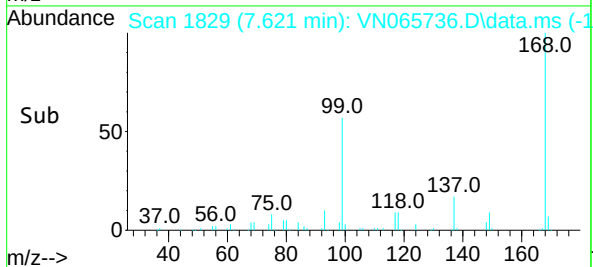
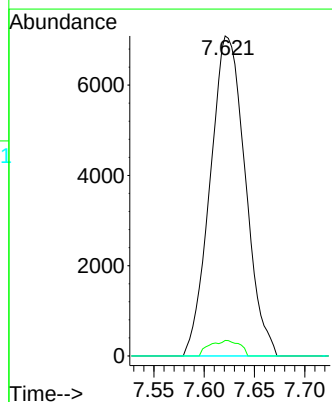
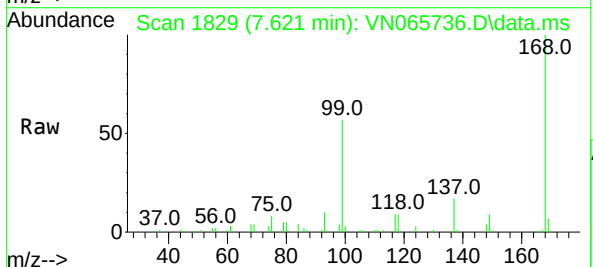
Instrument :  
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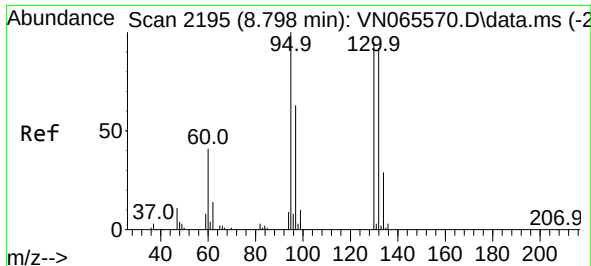
Tgt Ion: 75 Resp: 14072  
Ion Ratio Lower Upper  
75 100  
110 5.1 18.2 54.6#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 6.66 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. -0.109 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 117 Resp: 17173  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.0 114.0#  
121 0.0 24.5 36.7#

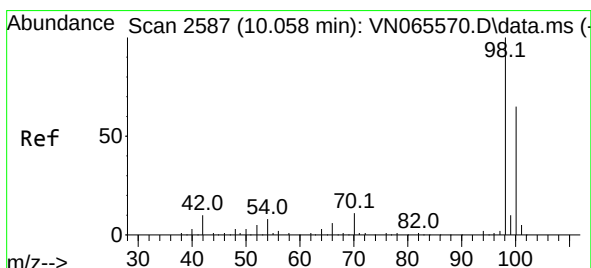
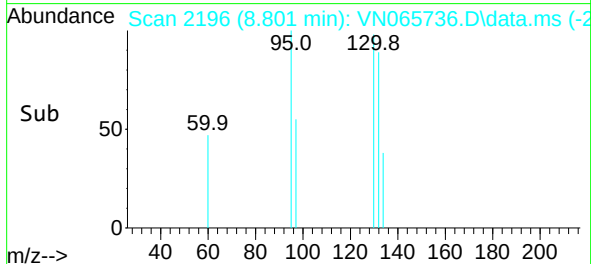
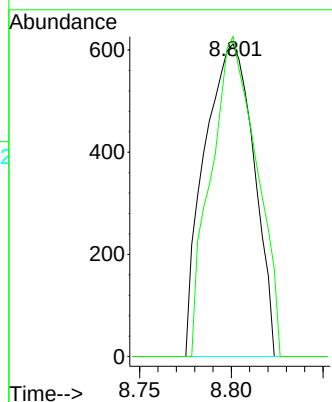
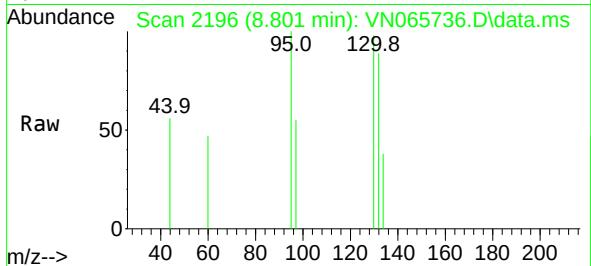




#44  
Trichloroethene  
Concen: 0.49 ug/l  
RT: 8.801 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

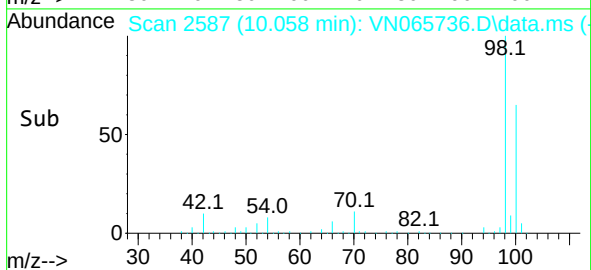
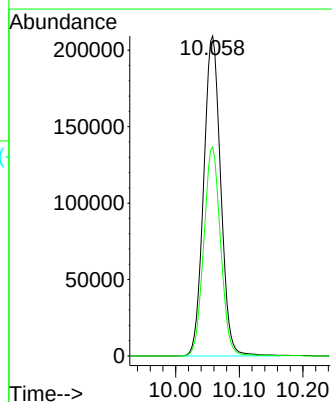
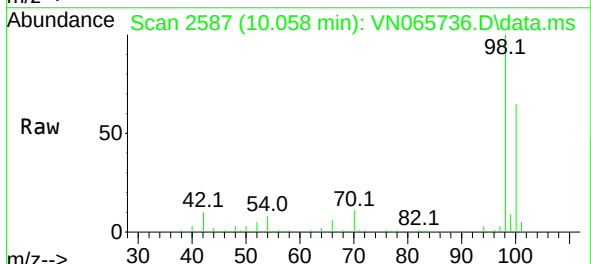
Instrument :  
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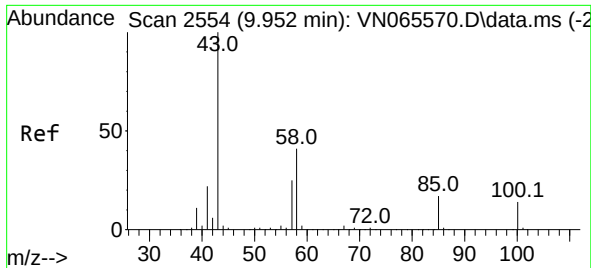
Tgt Ion:130 Resp: 1144  
Ion Ratio Lower Upper  
130 100  
95 102.3 0.0 199.6



#50  
Toluene-d8  
Concen: 53.71 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 98 Resp: 389519  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.5 75.7

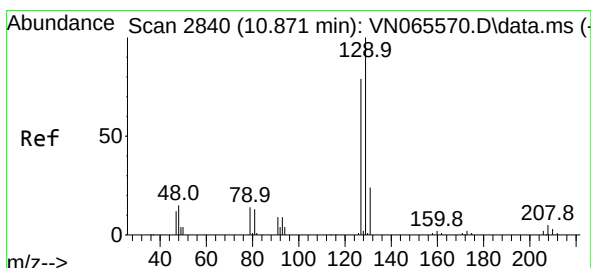
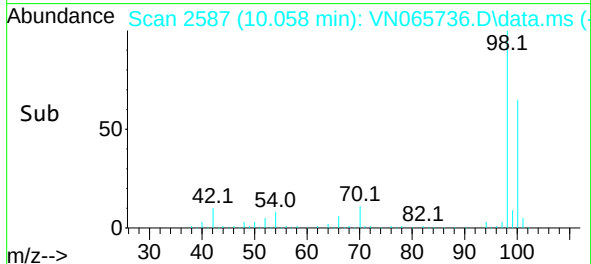
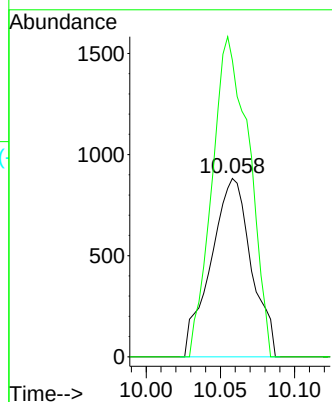
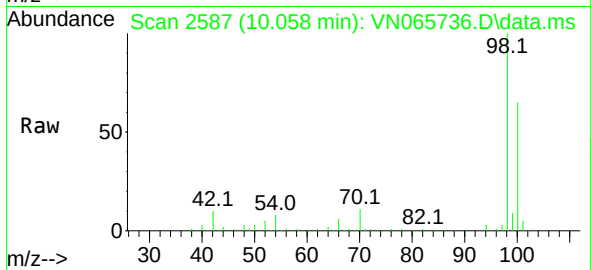




#51  
4-Methyl-2-Pentanone  
Concen: 0.57 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.106 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

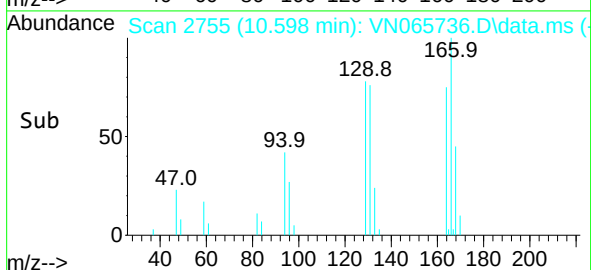
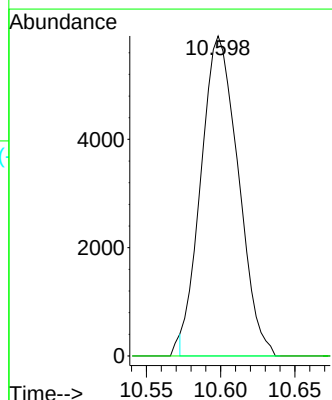
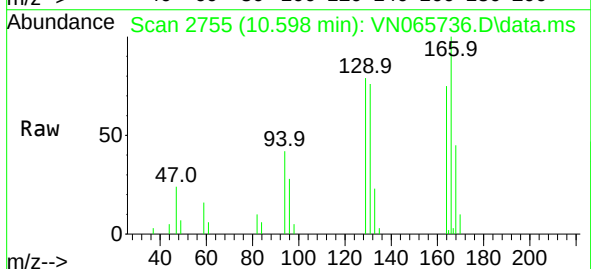
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD

Tgt Ion: 43 Resp: 1673  
Ion Ratio Lower Upper  
43 100  
58 164.3 32.5 48.7#

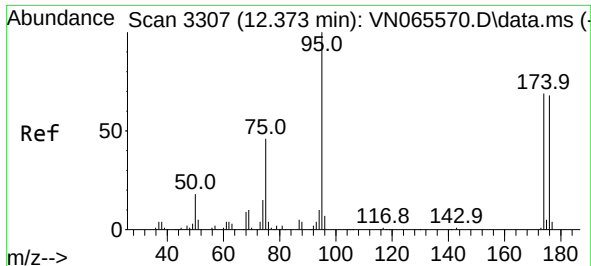


#60  
Dibromochloromethane  
Concen: 4.66 ug/l  
RT: 10.598 min Scan# 2755  
Delta R.T. -0.273 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 129 Resp: 10297  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#



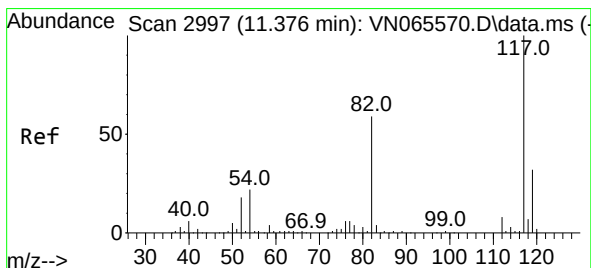
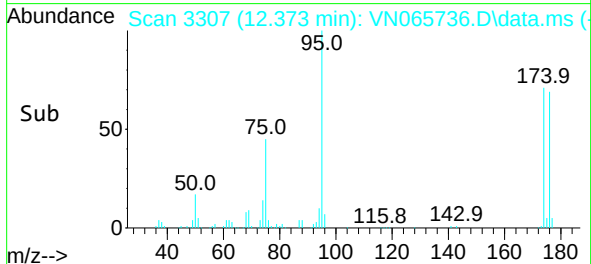
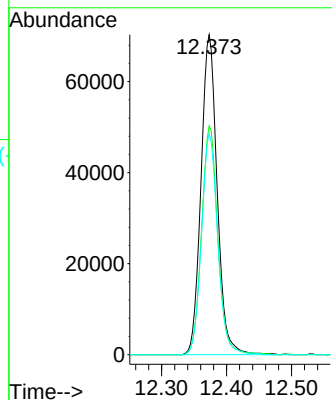
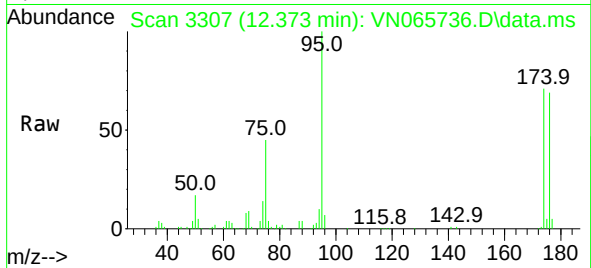




#62  
4-Bromofluorobenzene  
Concen: 46.69 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

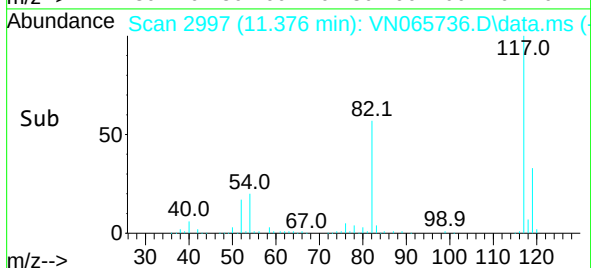
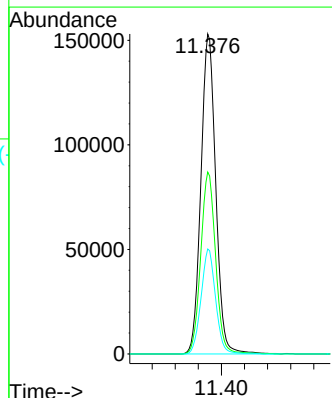
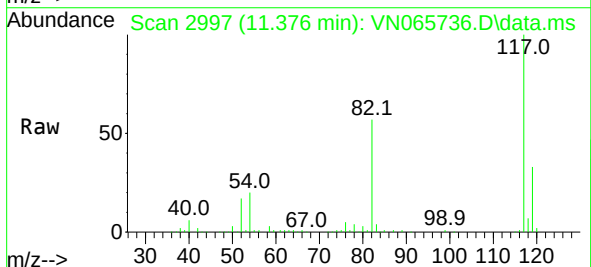
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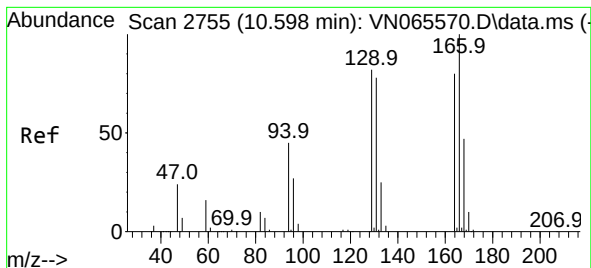
Tgt Ion: 95 Resp: 121941  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 169.0  
176 69.3 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 117 Resp: 273246  
Ion Ratio Lower Upper  
117 100  
82 56.8 43.7 65.5  
119 32.8 26.1 39.1





#64

Tetrachloroethene

Concen: 4.48 ug/l

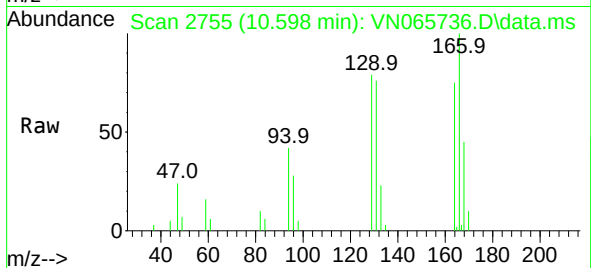
RT: 10.598 min Scan# 2755

Delta R.T. 0.000 min

Lab File: VN065736.D

Acq: 5 Feb 2021 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD



Tgt Ion:164 Resp: 10264

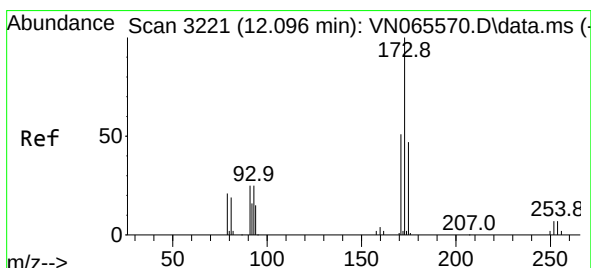
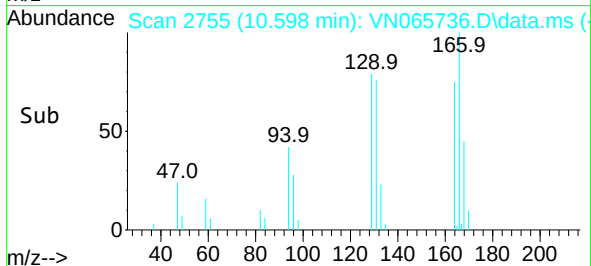
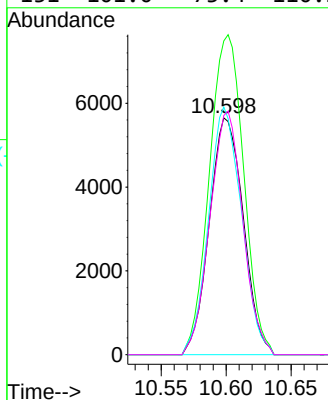
Ion Ratio Lower Upper

164 100

166 132.5 102.6 154.0

129 104.6 76.2 114.4

131 101.0 73.4 110.2



#71

Bromoform

Concen: 0.32 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.280 min

Lab File: VN065736.D

Acq: 5 Feb 2021 14:27

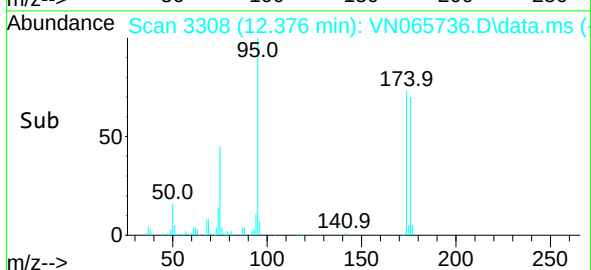
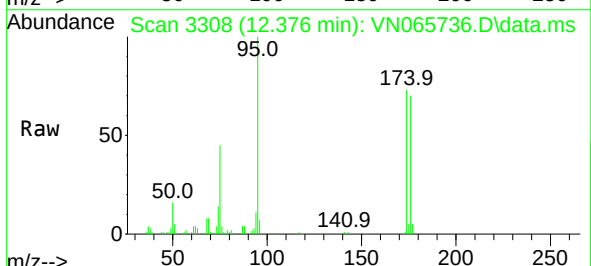
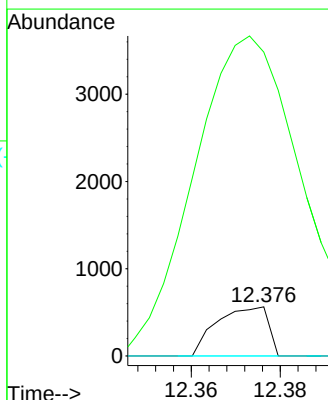
Tgt Ion:173 Resp: 449

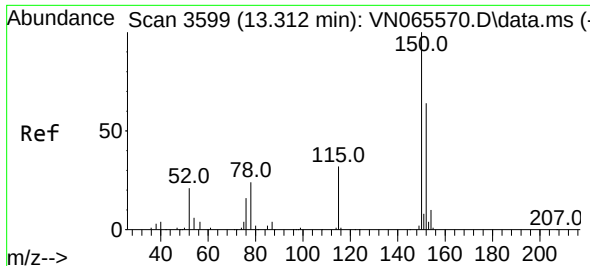
Ion Ratio Lower Upper

173 100

175 1161.5 23.8 71.2#

254 0.0 0.0 0.0

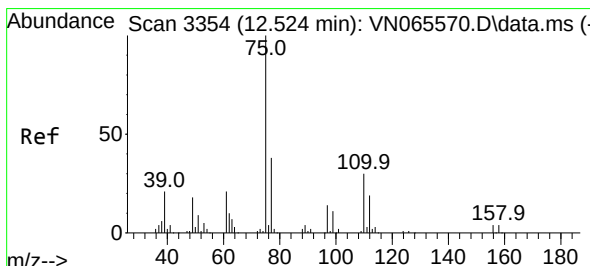
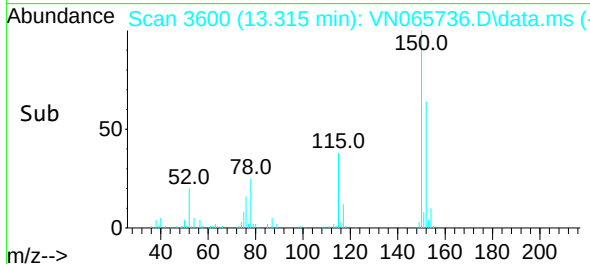
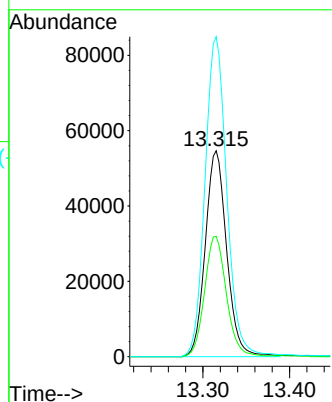
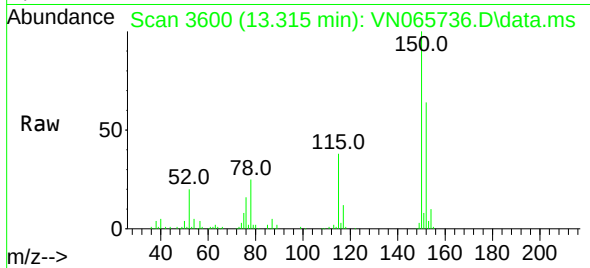




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

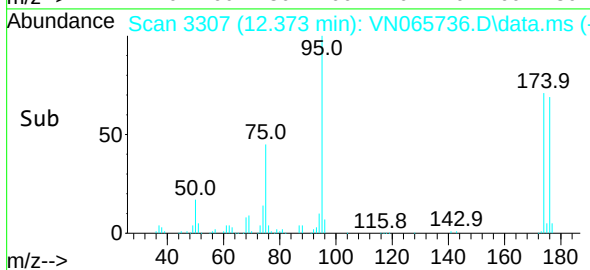
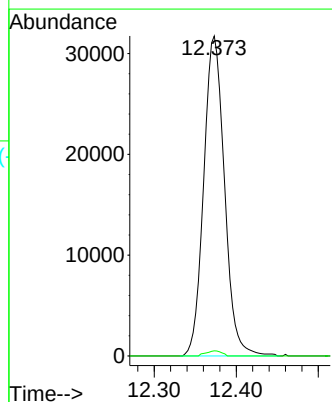
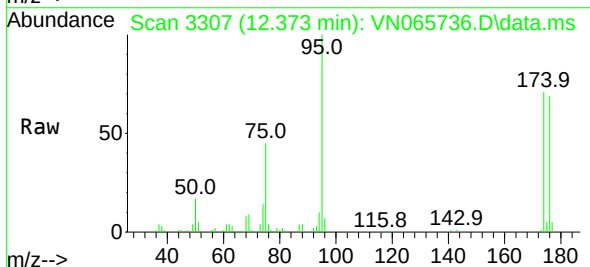
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD

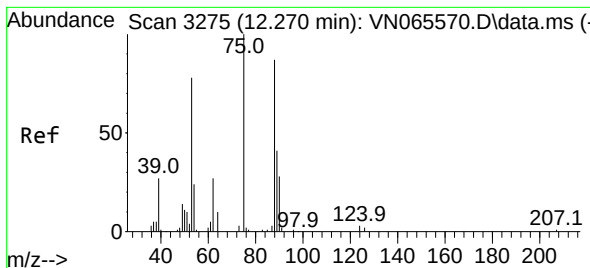
Tgt Ion:152 Resp: 93921  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.5 85.6  
150 158.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 22.77 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 75 Resp: 55930  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#

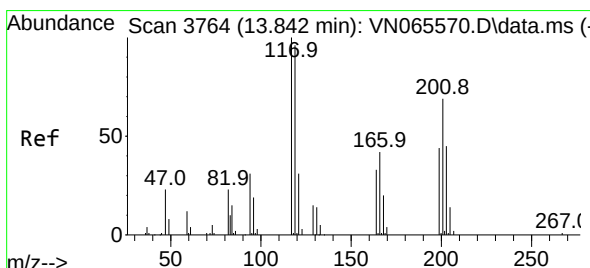
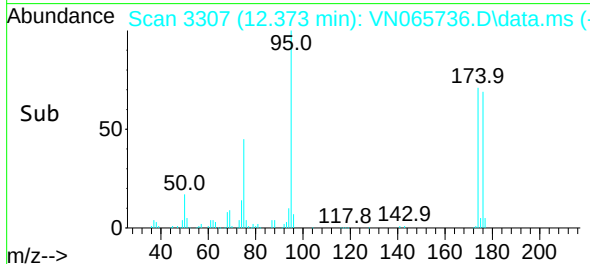
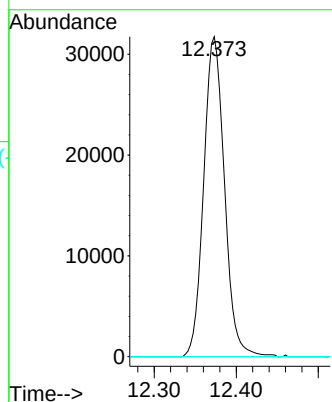
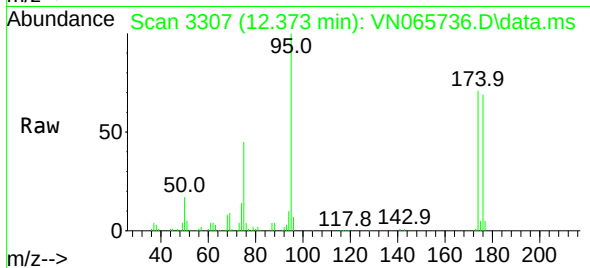




#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.33 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-DDC-4-PD

Tgt Ion: 75 Resp: 55930  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#



#90  
Hexachloroethane  
Concen: 0.60 ug/l  
RT: 13.836 min Scan# 3762  
Delta R.T. -0.006 min  
Lab File: VN065736.D  
Acq: 5 Feb 2021 14:27

Tgt Ion: 117 Resp: 734  
Ion Ratio Lower Upper  
117 100  
201 68.0 37.8 113.3

