

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022421\  
 Data File : VN066011.D  
 Acq On : 24 Feb 2021 18:04  
 Operator : JC/MD  
 Sample : M1474-05  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW6-GW-658-660

Quant Time: Feb 25 02:16:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

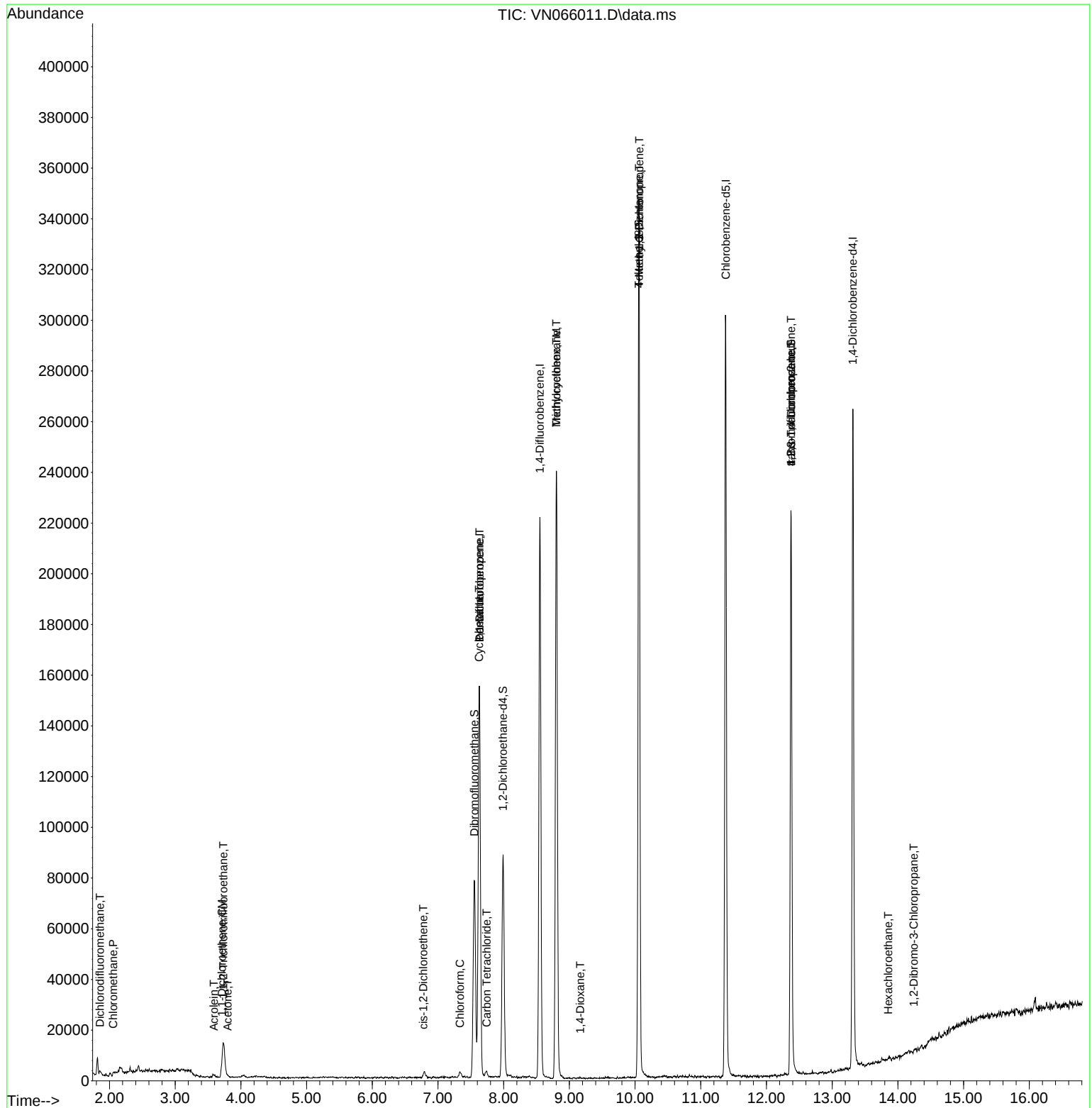
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 7.630          | 168  | 124442     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 200909     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.379         | 117  | 182938     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 72020      | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.991          | 65   | 81875      | 47.05  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 94.10% |        |          |
| 35) Dibromofluoromethane      | 7.553          | 113  | 61170      | 49.20  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 98.40% |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 244339     | 47.87  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 95.74% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 88697      | 46.29  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 92.58% |        |          |
| Target Compounds              |                |      |            |        |        |          |
|                               |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.856          | 85   | 1500       | 0.92   | ug/l   | 97       |
| 3) Chloromethane              | 2.055          | 50   | 857        | 0.42   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo...  | 3.733          | 101  | 7896       | 5.96   | ug/l # | 89       |
| 12) 1,1-Dichloroethene        | 3.711          | 96   | 2150       | 1.54   | ug/l # | 87       |
| 13) Acrolein                  | 3.589          | 56   | 1221       | 5.51   | ug/l # | 58       |
| 16) Acetone                   | 3.798          | 43   | 1813       | 1.72   | ug/l # | 87       |
| 27) cis-1,2-Dichloroethene    | 6.778          | 96   | 760        | 0.45   | ug/l   | 33       |
| 30) Chloroform                | 7.335          | 83   | 2599       | 0.95   | ug/l   | 96       |
| 31) Cyclohexane               | 7.624          | 56   | 2237       | 0.86   | ug/l # | 6        |
| 36) 1,1-Dichloropropene       | 7.630          | 75   | 9666       | 4.88   | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.740          | 117  | 1848       | 1.00   | ug/l   | 93       |
| 39) Methylcyclohexane         | 8.804          | 83   | 1066       | 0.48   | ug/l # | 1        |
| 44) Trichloroethene           | 8.804          | 130  | 90861      | 60.44  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.164          | 88   | 154        | 6.26   | ug/l # | 26       |
| 51) 4-Methyl-2-Pentanone      | 10.061         | 43   | 1119       | 0.65   | ug/l # | 1        |
| 53) t-1,3-Dichloropropene     | 10.064         | 75   | 30         | 1.99   | ug/l # | 75       |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 45240      | 26.15  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 45240      | 83.33  | ug/l # | 12       |
| 90) Hexachloroethane          | 13.855         | 117  | 307        | 0.37   | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.241         | 75   | 61         | 1.02   | ug/l # | 1        |
| -----                         |                |      |            |        |        |          |

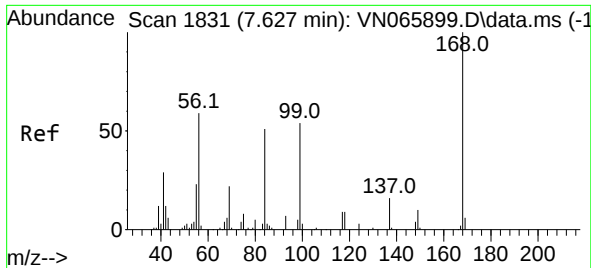
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022421\  
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Sample : M1474-05  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration

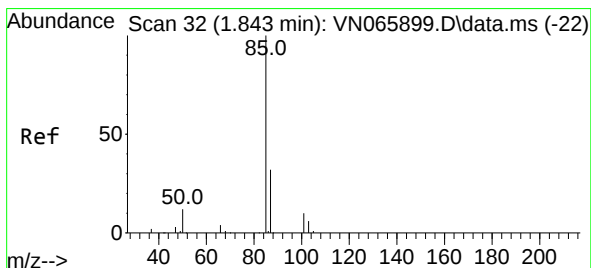
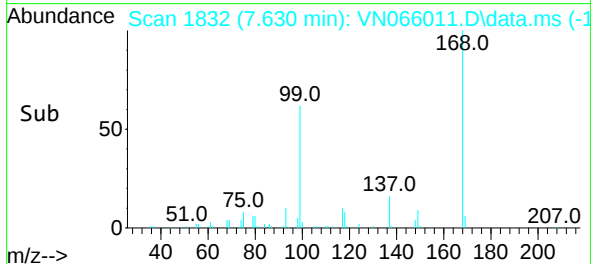
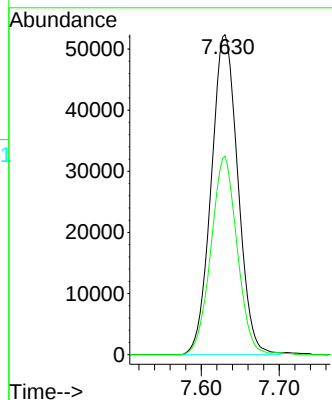
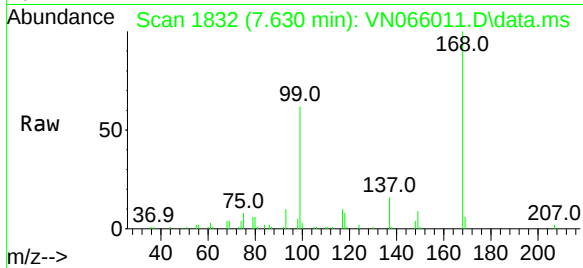




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. 0.003 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

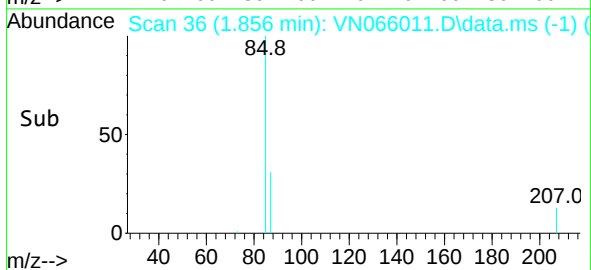
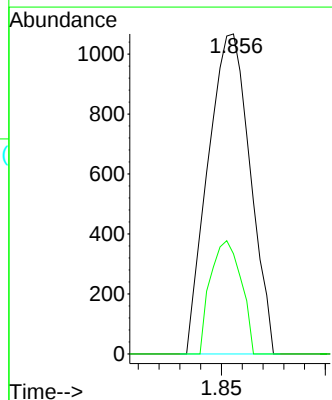
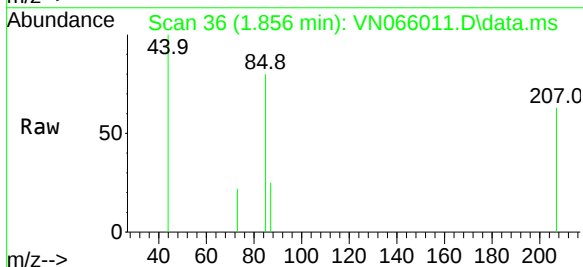
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

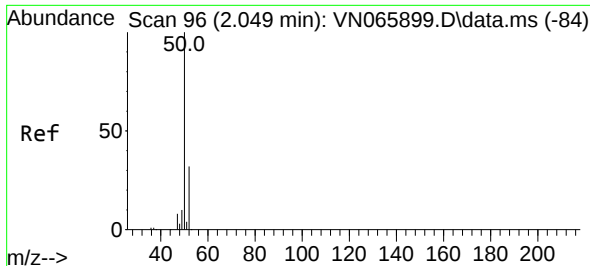
Tgt Ion:168 Resp: 124442  
Ion Ratio Lower Upper  
168 100  
99 62.1 42.6 63.8



#2  
Dichlorodifluoromethane  
Concen: 0.92 ug/l  
RT: 1.856 min Scan# 36  
Delta R.T. 0.013 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 85 Resp: 1500  
Ion Ratio Lower Upper  
85 100  
87 31.3 16.6 49.8

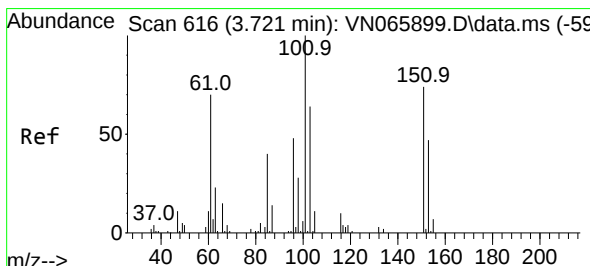
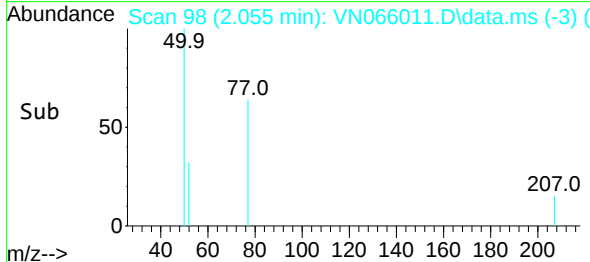
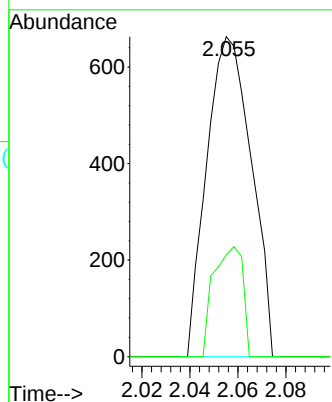
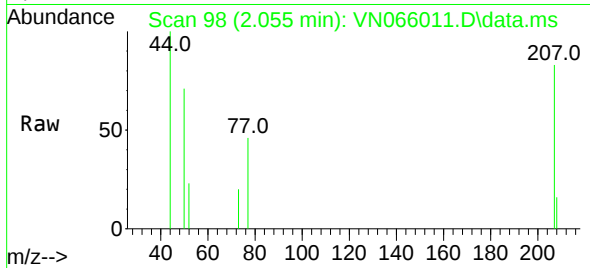




#3  
Chloromethane  
Concen: 0.42 ug/l  
RT: 2.055 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

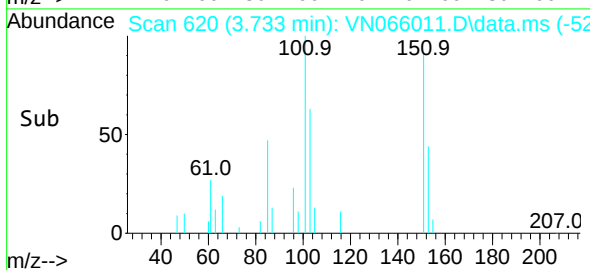
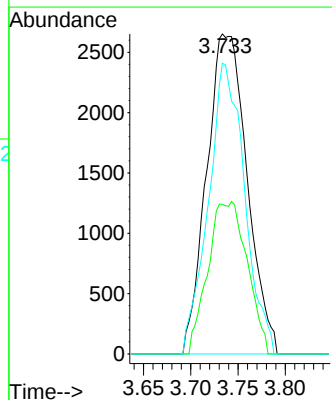
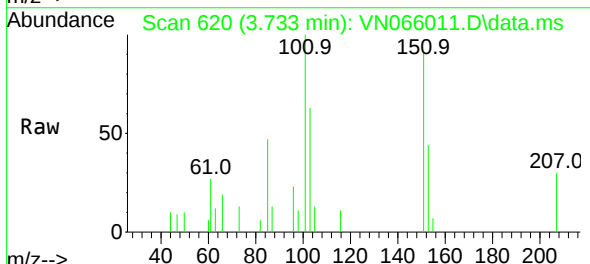
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

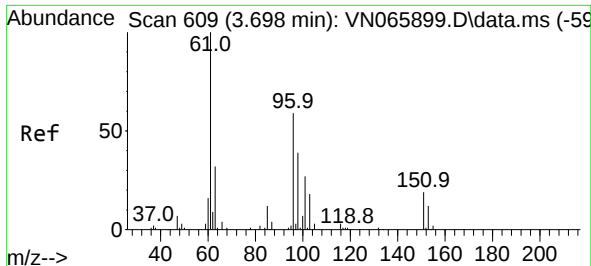
Tgt Ion: 50 Resp: 857  
Ion Ratio Lower Upper  
50 100  
52 31.8 25.8 38.8



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.96 ug/l  
RT: 3.733 min Scan# 620  
Delta R.T. 0.012 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

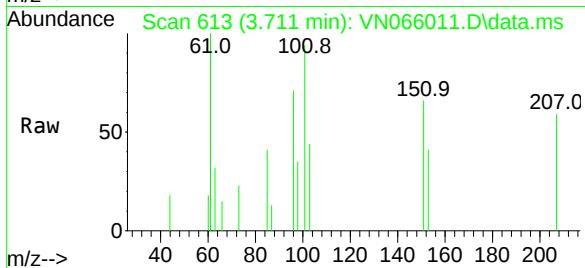
Tgt Ion: 101 Resp: 7896  
Ion Ratio Lower Upper  
101 100  
85 25.3 34.6 51.8#  
151 81.3 63.5 95.3



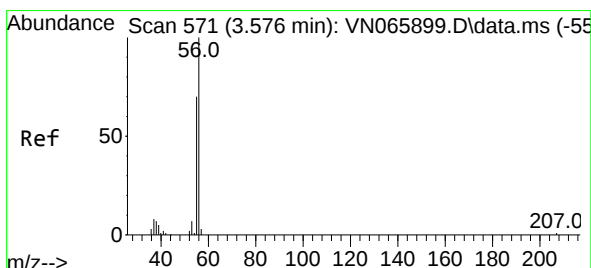
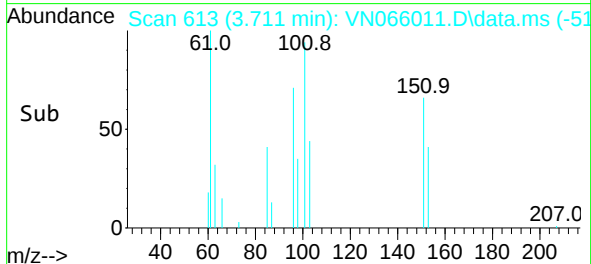
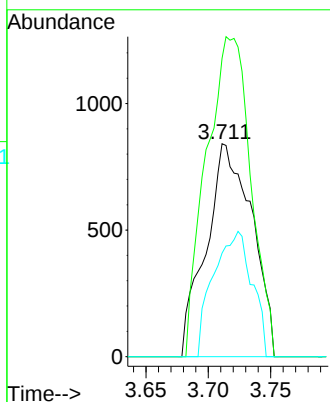


#12  
1,1-Dichloroethene  
Concen: 1.54 ug/l  
RT: 3.711 min Scan# 613  
Delta R.T. 0.013 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

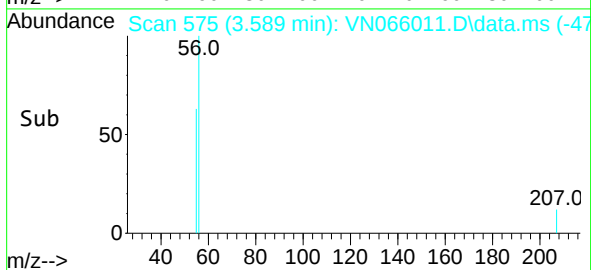
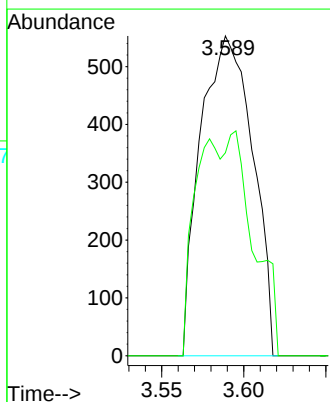
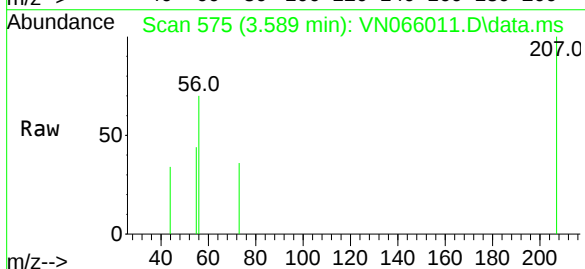


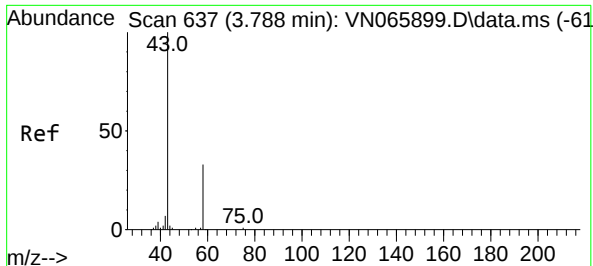
Tgt Ion: 96 Resp: 2150  
Ion Ratio Lower Upper  
96 100  
61 140.1 122.5 183.7  
98 48.6 50.8 76.2#



#13  
Acrolein  
Concen: 5.51 ug/l  
RT: 3.589 min Scan# 575  
Delta R.T. 0.013 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 56 Resp: 1221  
Ion Ratio Lower Upper  
56 100  
55 35.5 56.0 84.0#

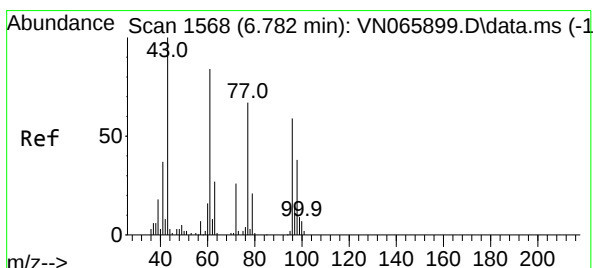
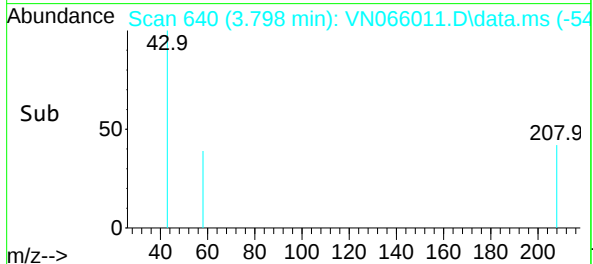
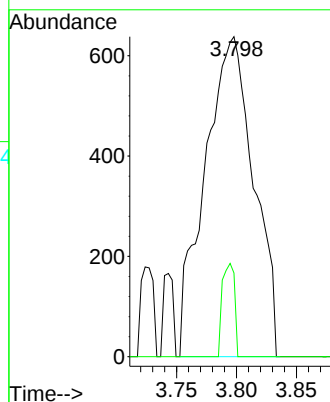
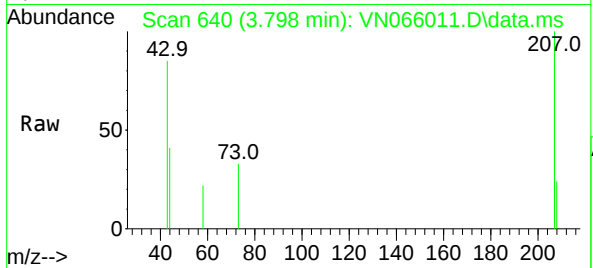




#16  
Acetone  
Concen: 1.72 ug/l  
RT: 3.798 min Scan# 640  
Delta R.T. 0.010 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

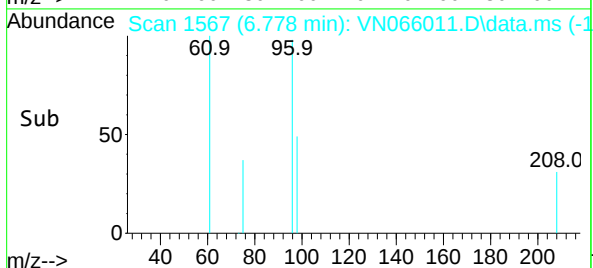
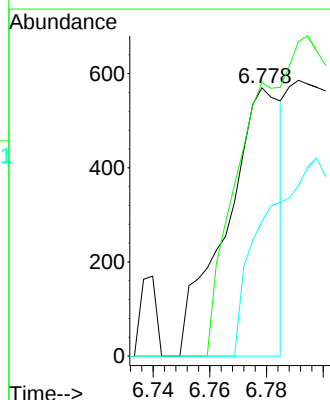
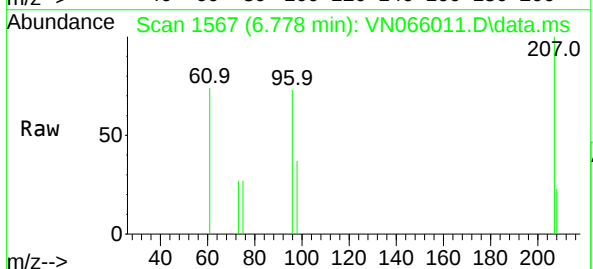
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

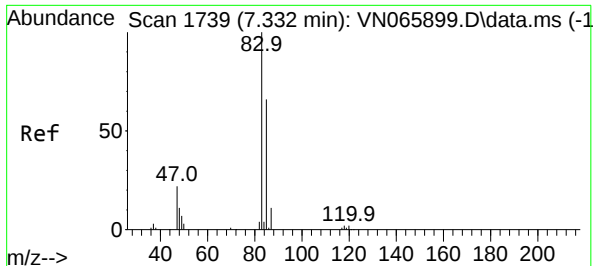
Tgt Ion: 43 Resp: 1813  
Ion Ratio Lower Upper  
43 100  
58 26.2 27.0 40.6#



#27  
cis-1,2-Dichloroethene  
Concen: 0.45 ug/l  
RT: 6.778 min Scan# 1567  
Delta R.T. -0.004 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 96 Resp: 760  
Ion Ratio Lower Upper  
96 100  
61 235.9 0.0 276.8  
98 95.0 0.0 129.4





#30

Chloroform

Concen: 0.95 ug/l

RT: 7.335 min Scan# 1740

Delta R.T. 0.003 min

Lab File: VN066011.D

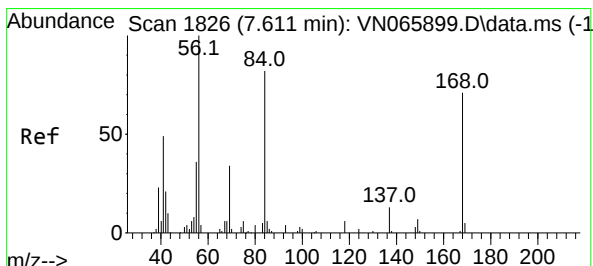
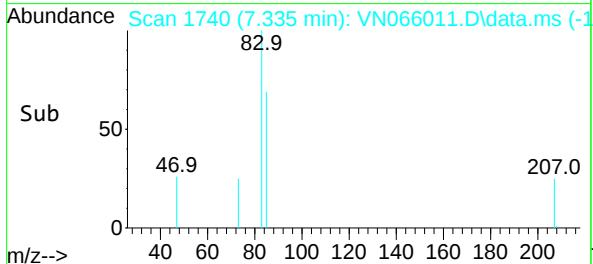
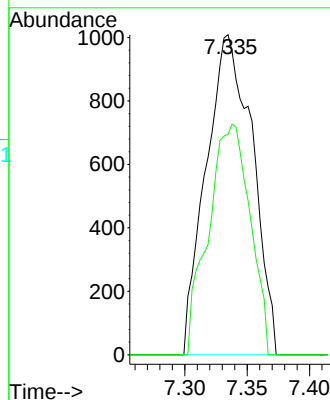
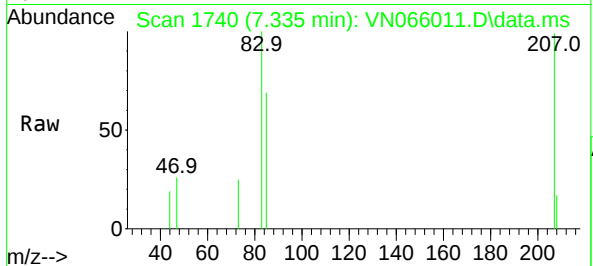
Acq: 24 Feb 2021 18:04

Tgt Ion: 83 Resp: 2599

Ion Ratio Lower Upper

83 100

85 68.9 52.6 78.8



#31

Cyclohexane

Concen: 0.86 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN066011.D

Acq: 24 Feb 2021 18:04

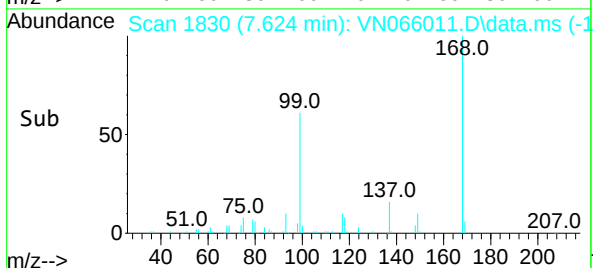
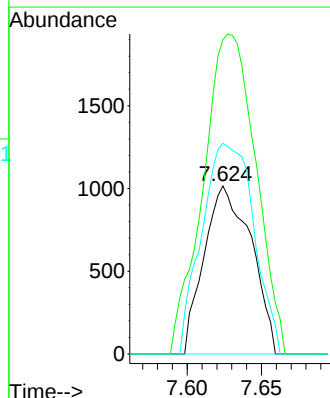
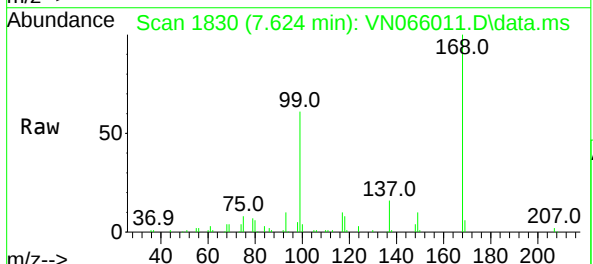
Tgt Ion: 56 Resp: 2237

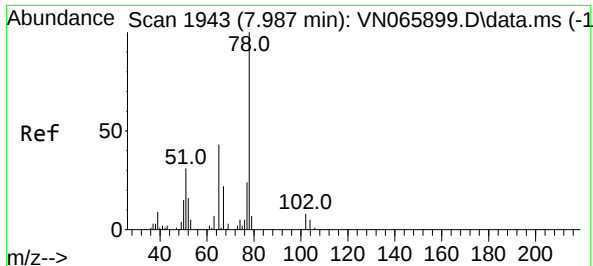
Ion Ratio Lower Upper

56 100

69 166.3 26.6 39.8#

84 125.4 70.4 105.6#

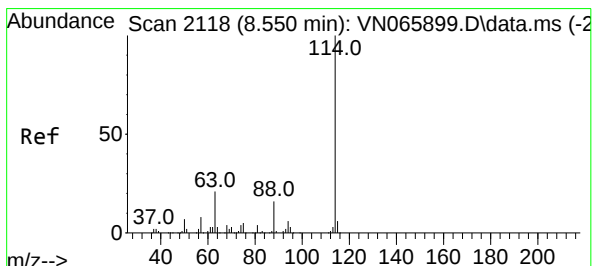
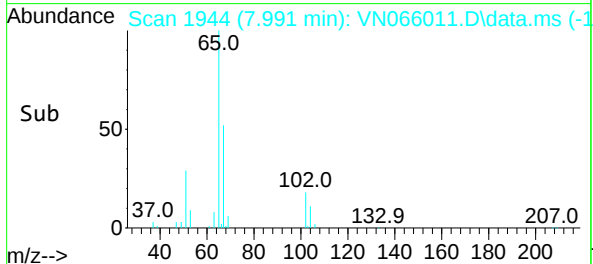
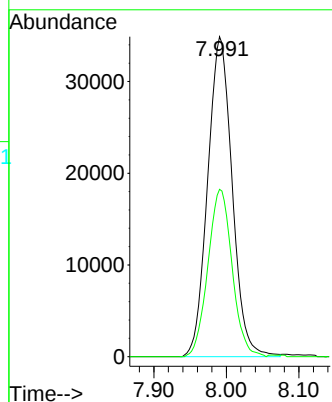
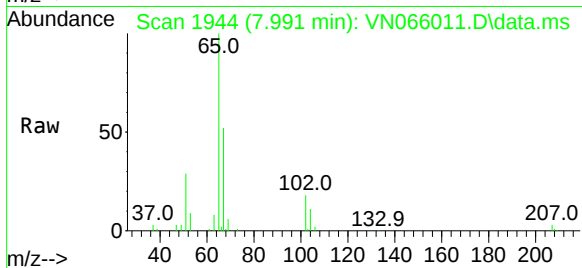




#33  
1,2-Dichloroethane-d4  
Concen: 47.05 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. 0.004 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

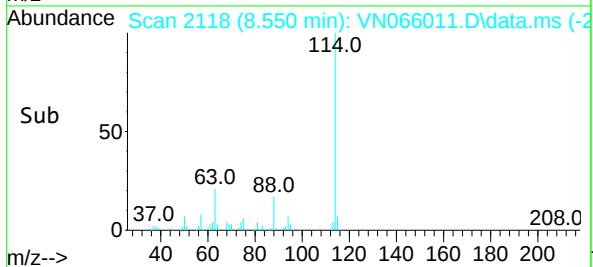
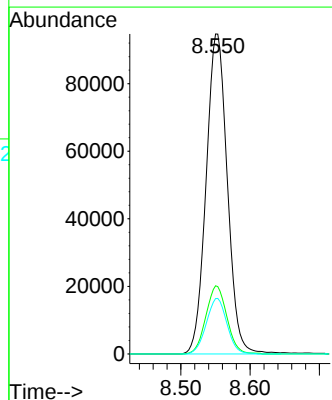
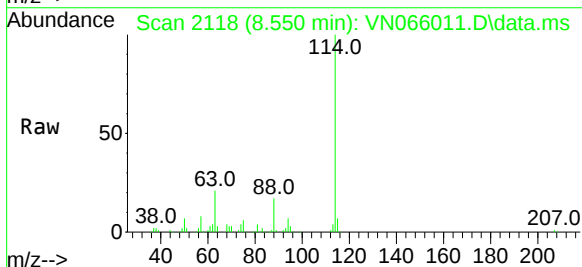
Instrument :  
MSVOA\_N  
ClientSampleId :  
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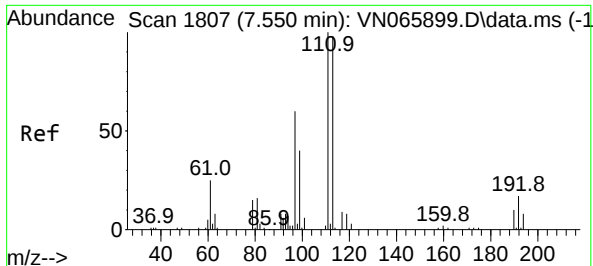
Tgt Ion: 65 Resp: 81875  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 114 Resp: 200909  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 38.6  
88 17.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.20 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN066011.D

Acq: 24 Feb 2021 18:04

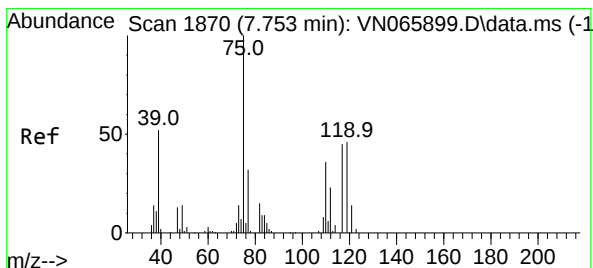
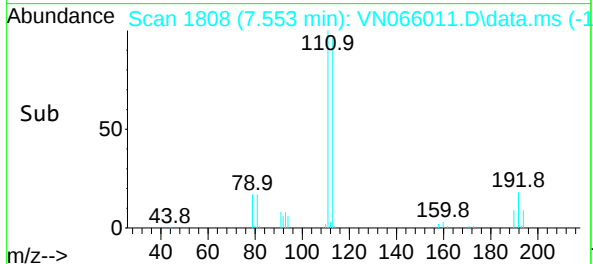
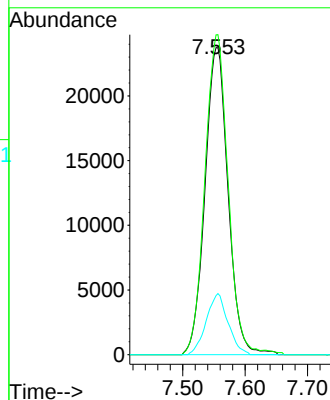
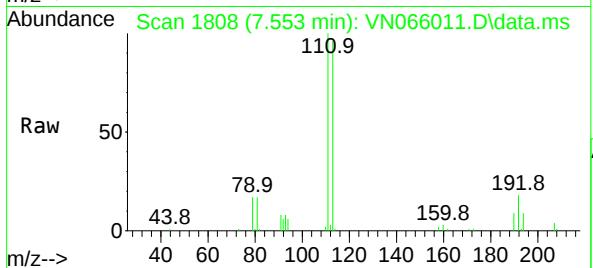
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 61170 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.9 | 82.2  | 123.2 |
| 192      | 18.7  | 15.4  | 23.0  |

Instrument :

MSVOA\_N

ClientSampleId :

BP-TT-VPB-RW6-GW-658-660



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

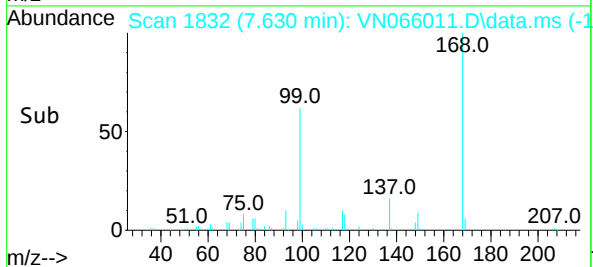
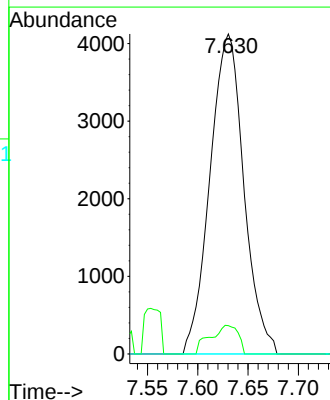
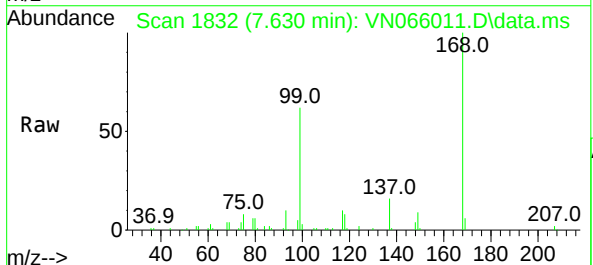
RT: 7.630 min Scan# 1832

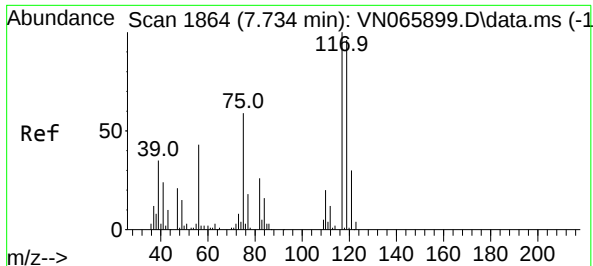
Delta R.T. -0.123 min

Lab File: VN066011.D

Acq: 24 Feb 2021 18:04

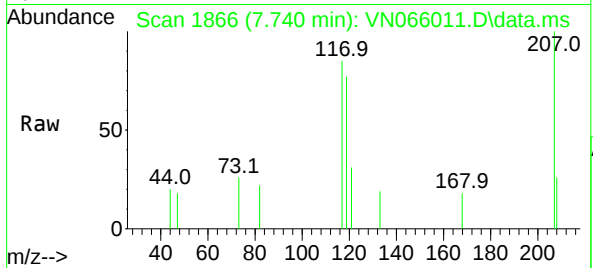
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9666  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.4   | 18.2  | 54.6# |
| 77       | 0.0   | 24.9  | 37.3# |



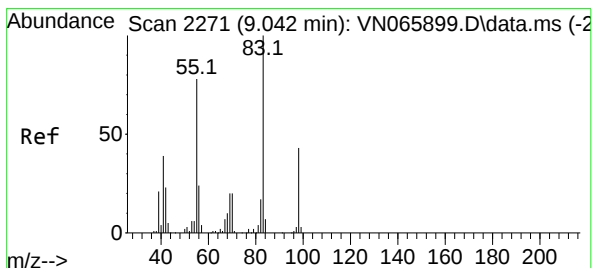
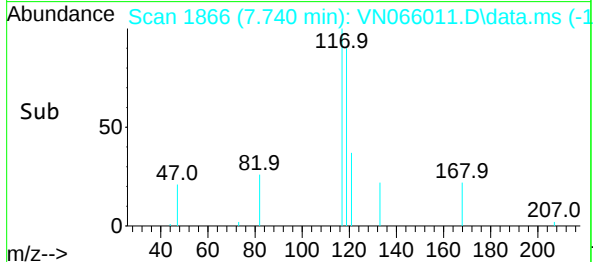
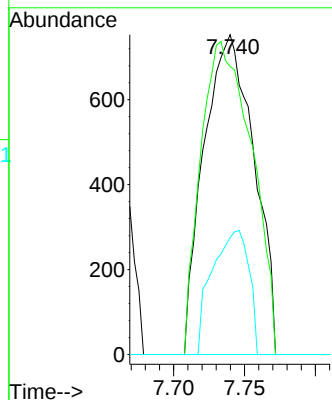


#38  
Carbon Tetrachloride  
Concen: 1.00 ug/l  
RT: 7.740 min Scan# 1866  
Delta R.T. 0.006 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

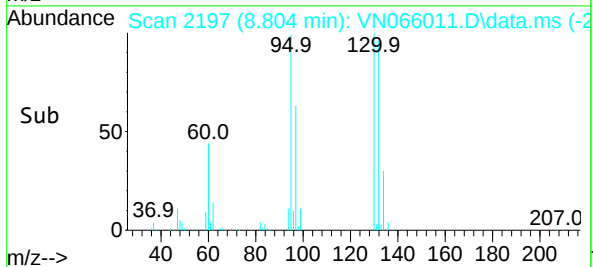
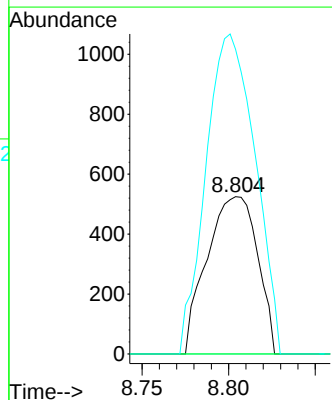
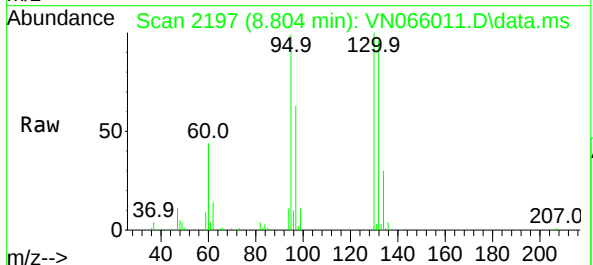


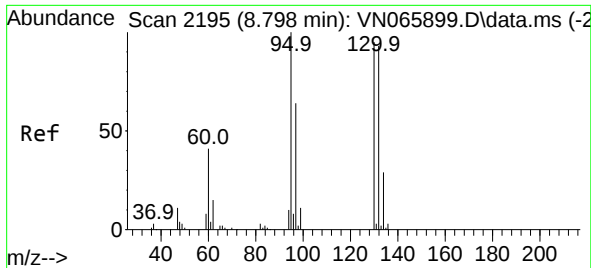
Tgt Ion: 117 Resp: 1848  
Ion Ratio Lower Upper  
117 100  
119 90.0 76.0 114.0  
121 36.5 24.5 36.7



#39  
Methylcyclohexane  
Concen: 0.48 ug/l  
RT: 8.804 min Scan# 2197  
Delta R.T. -0.238 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 83 Resp: 1066  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.9 88.3#  
98 193.7 35.9 53.9#

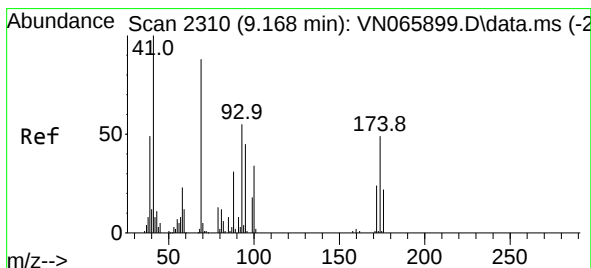
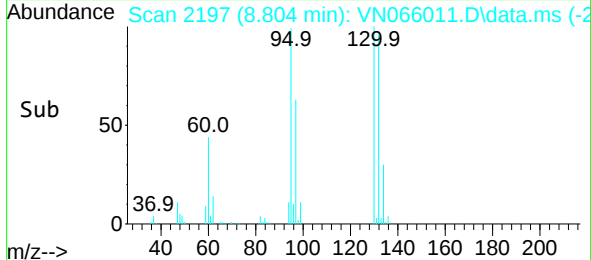
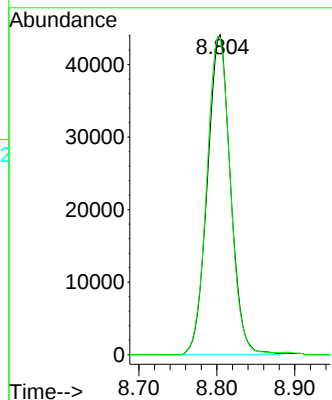
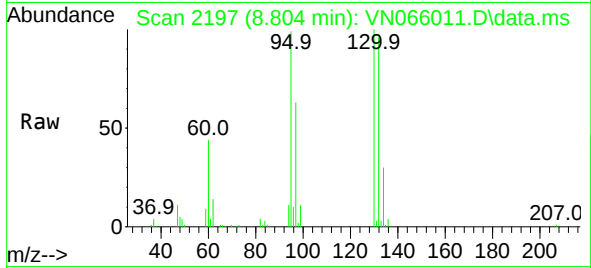




#44  
Trichloroethene  
Concen: 60.44 ug/l  
RT: 8.804 min Scan# 2197  
Delta R.T. 0.006 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

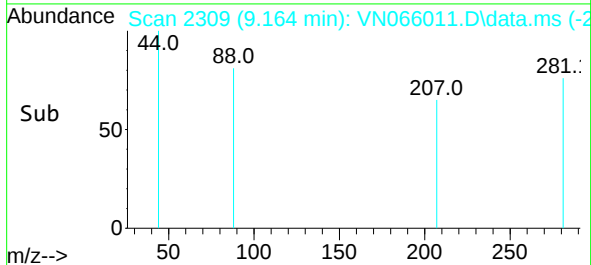
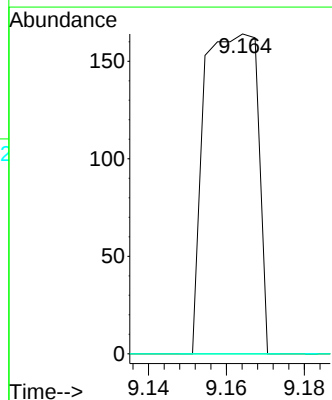
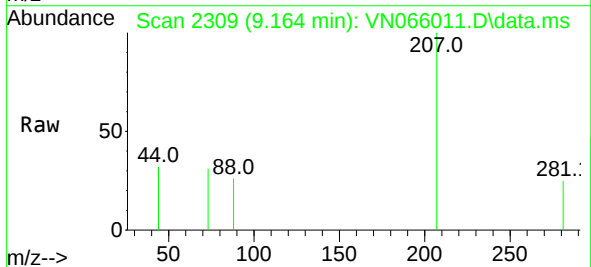
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

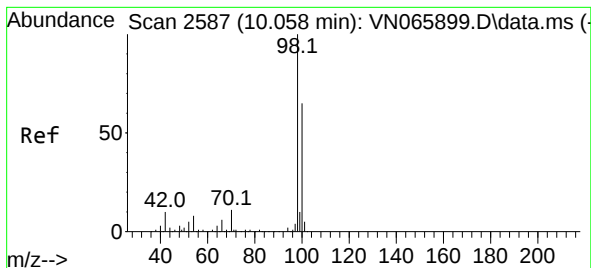
Tgt Ion:130 Resp: 90861  
Ion Ratio Lower Upper  
130 100  
95 99.2 0.0 199.6



#49  
1,4-Dioxane  
Concen: 6.26 ug/l  
RT: 9.164 min Scan# 2309  
Delta R.T. -0.004 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 88 Resp: 154  
Ion Ratio Lower Upper  
88 100  
43 0.0 24.7 37.1#  
58 0.0 52.6 78.8#

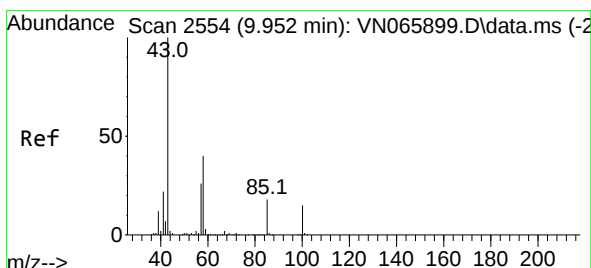
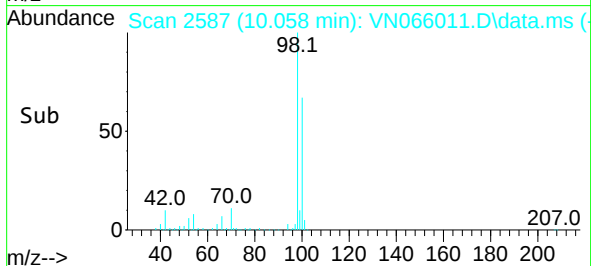
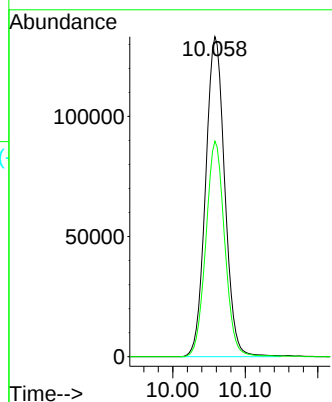
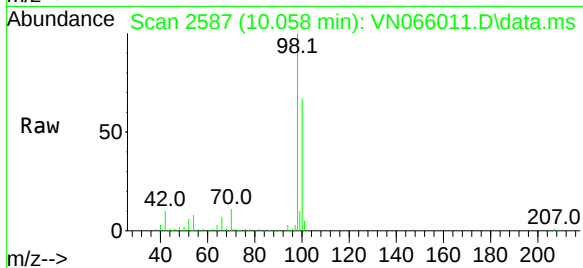




#50  
Toluene-d8  
Concen: 47.87 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

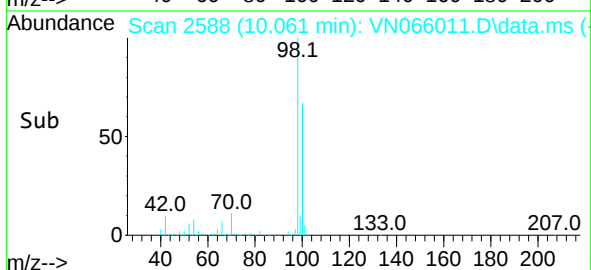
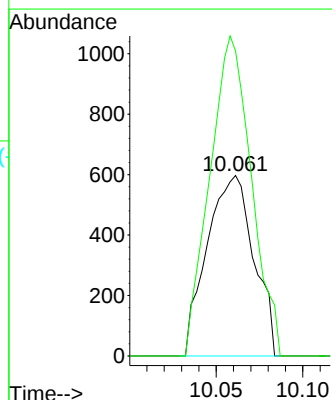
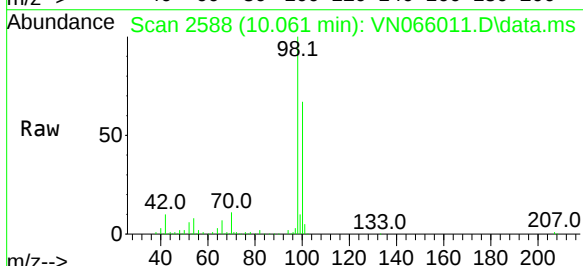
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

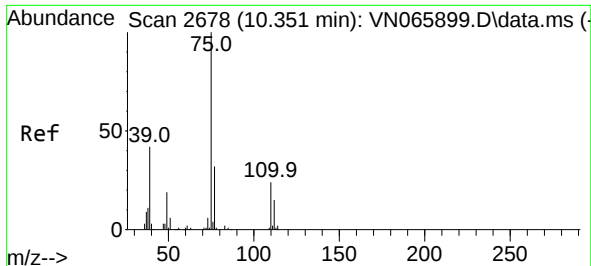
Tgt Ion: 98 Resp: 244339  
Ion Ratio Lower Upper  
98 100  
100 66.4 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.65 ug/l  
RT: 10.061 min Scan# 2588  
Delta R.T. 0.109 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 43 Resp: 1119  
Ion Ratio Lower Upper  
43 100  
58 158.1 32.5 48.7#

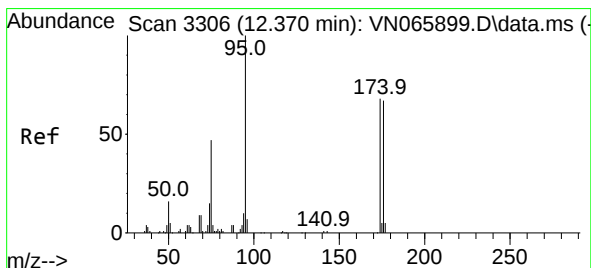
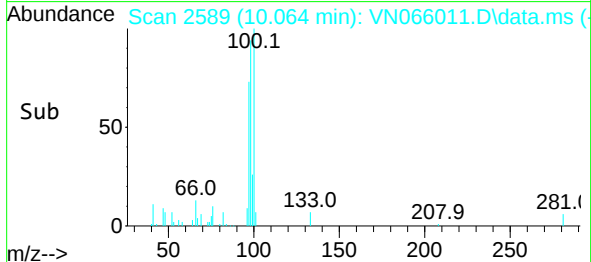
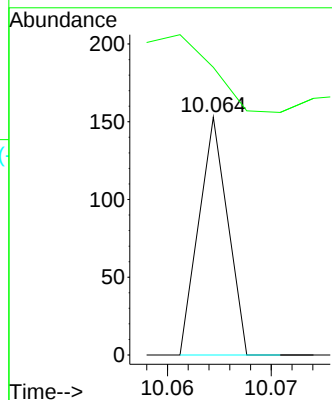
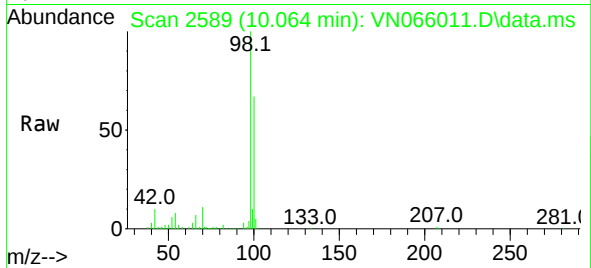




#53  
t-1,3-Dichloropropene  
Concen: 1.99 ug/l  
RT: 10.064 min Scan# 2589  
Delta R.T. -0.287 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

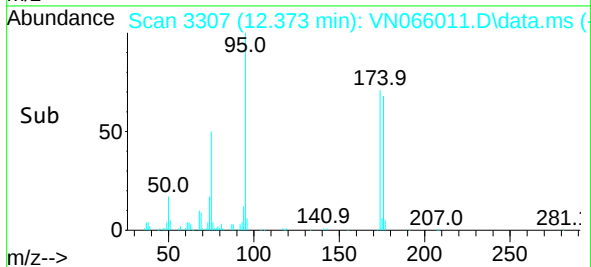
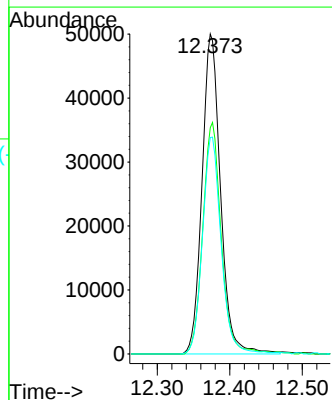
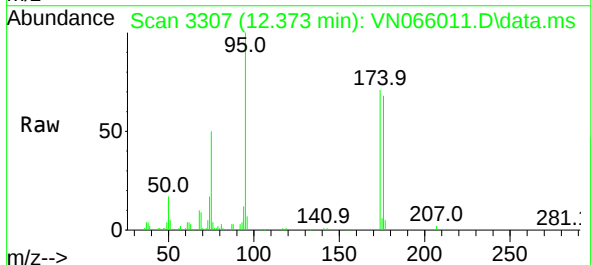
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

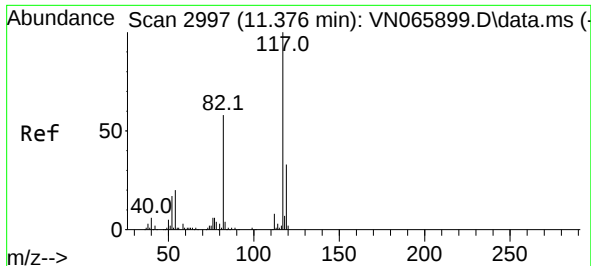
Tgt Ion: 75 Resp: 30  
Ion Ratio Lower Upper  
75 100  
77 19.0 26.2 39.4#



#62  
4-Bromofluorobenzene  
Concen: 46.29 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 95 Resp: 88697  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 169.0  
176 68.1 0.0 162.4

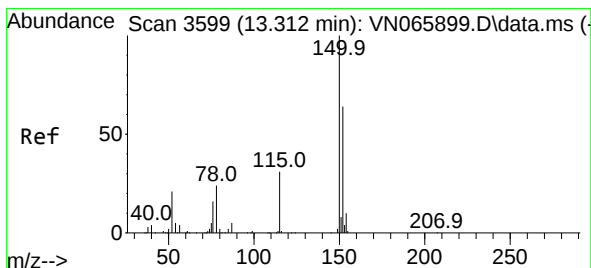
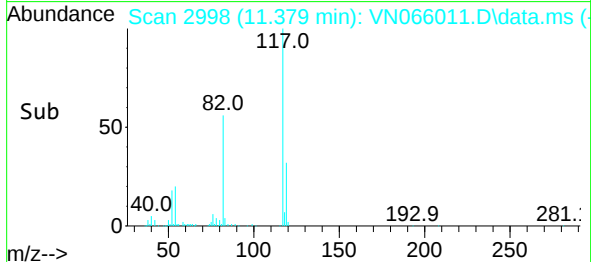
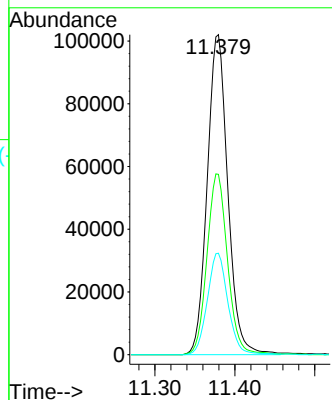
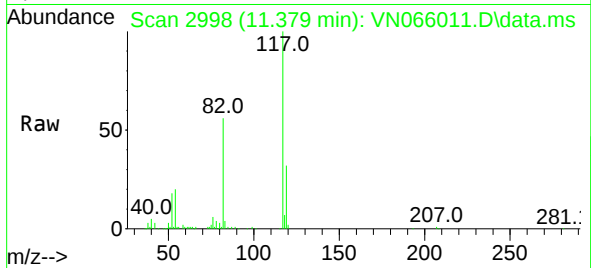




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. 0.003 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

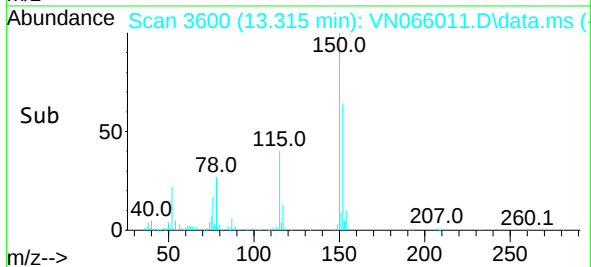
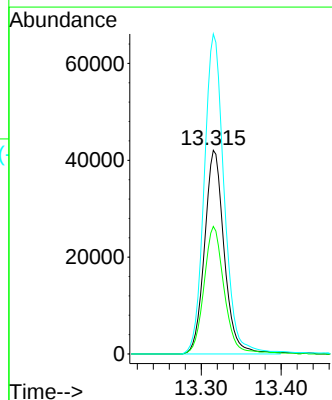
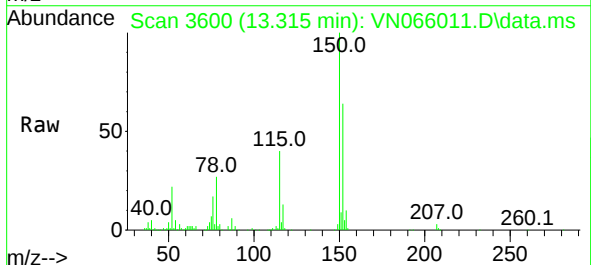
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

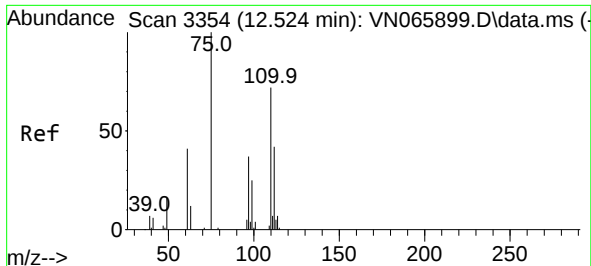
Tgt Ion:117 Resp: 182938  
Ion Ratio Lower Upper  
117 100  
82 56.4 43.7 65.5  
119 31.7 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion:152 Resp: 72020  
Ion Ratio Lower Upper  
152 100  
115 64.7 28.5 85.6  
150 160.8 0.0 347.6

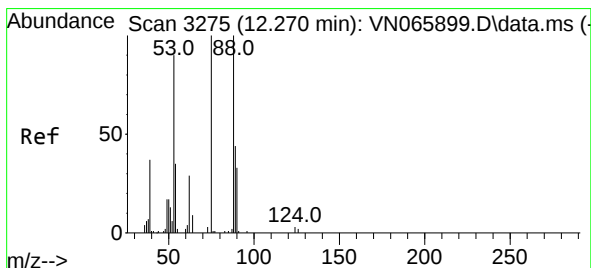
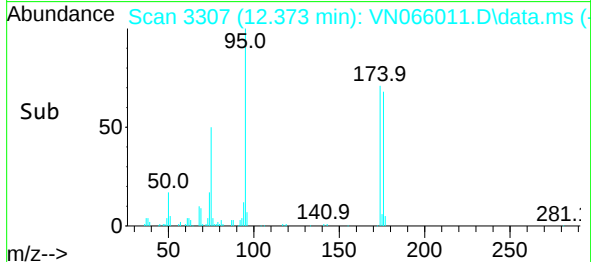
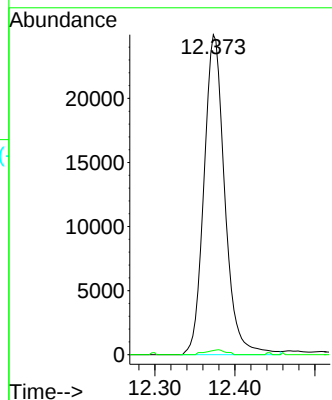
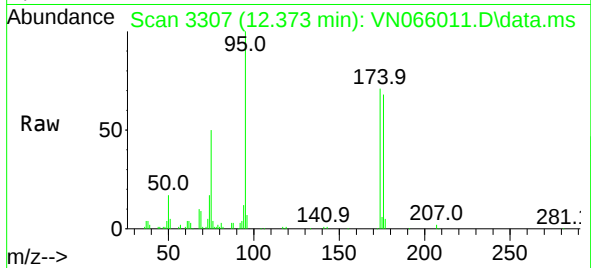




#76  
1,2,3-Trichloropropane  
Concen: 26.15 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

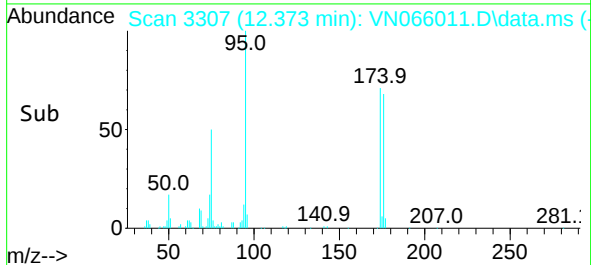
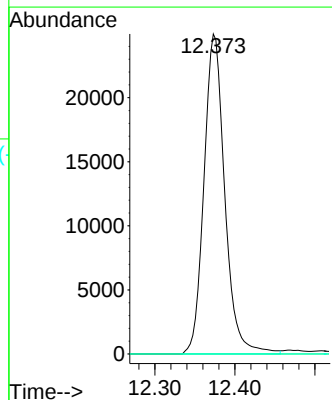
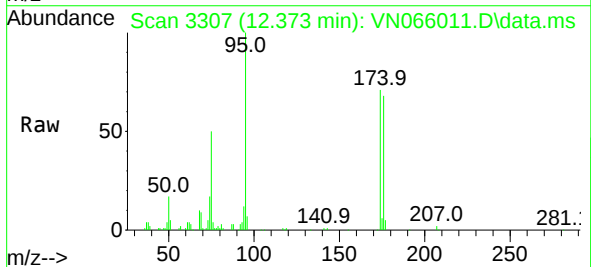
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

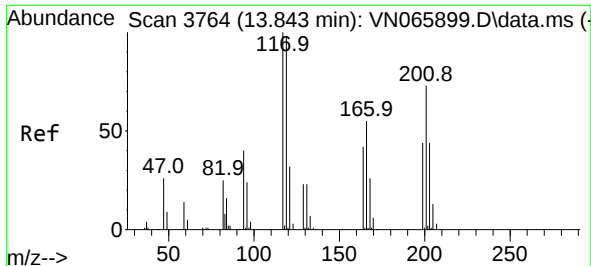
Tgt Ion: 75 Resp: 45240  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.33 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 75 Resp: 45240  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

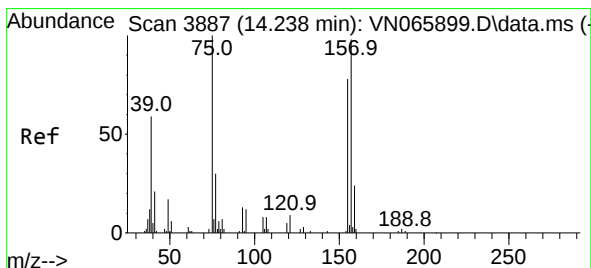
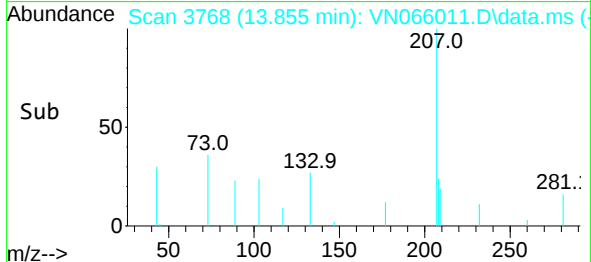
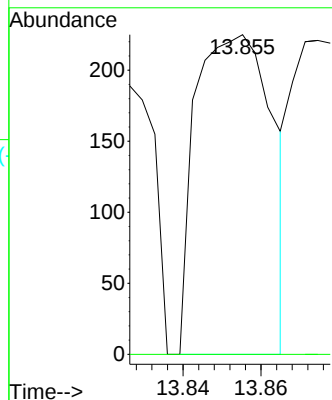
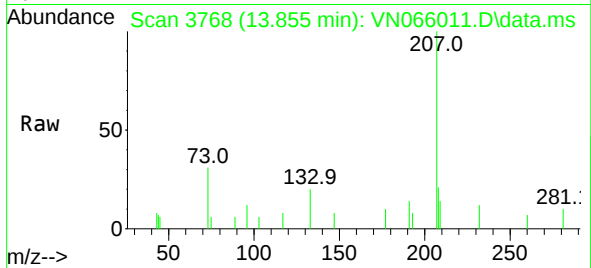




#90  
Hexachloroethane  
Concen: 0.37 ug/l  
RT: 13.855 min Scan# 3768  
Delta R.T. 0.012 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-658-660

Tgt Ion:117 Resp: 307  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.8 113.3#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.02 ug/l  
RT: 14.241 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VN066011.D  
Acq: 24 Feb 2021 18:04

Tgt Ion: 75 Resp: 61  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.1 132.4#  
157 0.0 56.0 168.2#

