

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030121\  
 Data File : VN066078.D  
 Acq On : 1 Mar 2021 15:31  
 Operator : JC/MD  
 Sample : M1519-05  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GW806-31-36-022621

Quant Time: Mar 01 21:43:11 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

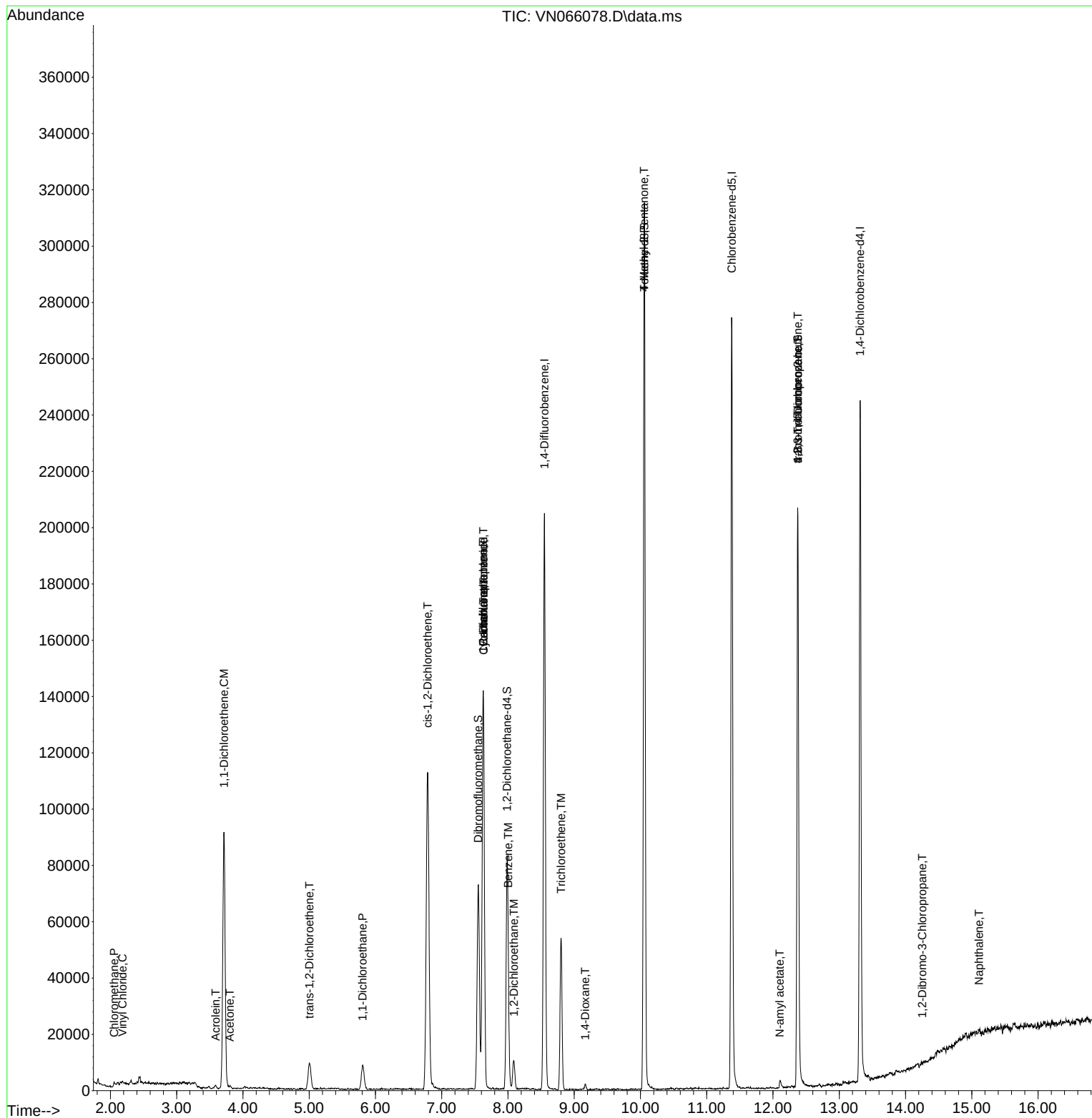
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 7.627          | 168  | 113974     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 185602     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 169256     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 69473      | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 76661      | 48.10  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 96.20% |        |          |
| 35) Dibromofluoromethane      | 7.550          | 113  | 57235      | 49.83  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 99.66% |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 226650     | 48.07  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 96.14% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 82990      | 46.88  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 93.76% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        |        | Qvalue   |
| 3) Chloromethane              | 2.055          | 50   | 703        | 0.38   | ug/l   | 99       |
| 4) Vinyl Chloride             | 2.184          | 62   | 716        | 0.39   | ug/l # | 89       |
| 12) 1,1-Dichloroethene        | 3.714          | 96   | 48290      | 37.73  | ug/l   | 92       |
| 13) Acrolein                  | 3.589          | 56   | 1236       | 6.09   | ug/l # | 83       |
| 16) Acetone                   | 3.801          | 43   | 1278       | 0.95   | ug/l # | 41       |
| 21) trans-1,2-Dichloroethene  | 5.004          | 96   | 6765       | 5.03   | ug/l   | 95       |
| 24) 1,1-Dichloroethane        | 5.804          | 63   | 13765      | 5.45   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene    | 6.788          | 96   | 79064      | 51.59  | ug/l   | 94       |
| 31) Cyclohexane               | 7.630          | 56   | 2220       | 0.93   | ug/l # | 6        |
| 36) 1,1-Dichloropropene       | 7.624          | 75   | 8905       | 4.87   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.627          | 117  | 11446      | 6.73   | ug/l # | 16       |
| 40) Benzene                   | 8.003          | 78   | 3849       | 0.69   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.090          | 62   | 10998      | 5.96   | ug/l   | 92       |
| 44) Trichloroethene           | 8.801          | 130  | 19944      | 14.36  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.164          | 88   | 1324       | 58.23  | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.055         | 43   | 583        | 0.36   | ug/l # | 1        |
| 74) N-amyl acetate            | 12.103         | 43   | 756        | 0.38   | ug/l # | 32       |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 43697      | 26.18  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 43697      | 83.44  | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.254         | 75   | 126        | 1.22   | ug/l # | 1        |
| 95) Naphthalene               | 15.109         | 128  | 329        | 3.13   | ug/l # | 69       |
| -----                         |                |      |            |        |        |          |

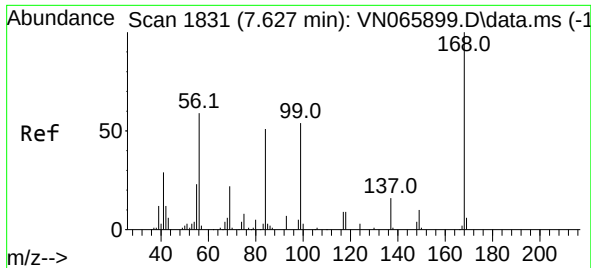
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030121\  
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Sample : M1519-05  
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ALS Vial : 12 Sample Multiplier: 1

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GW806-31-36-022621

Quant Time: Mar 01 21:43:11 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

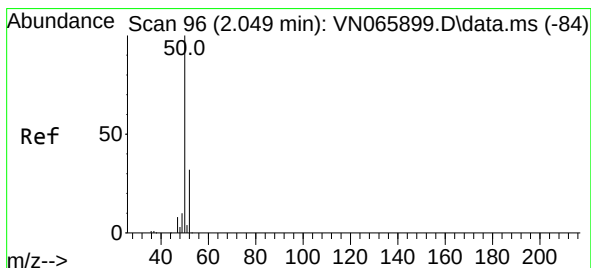
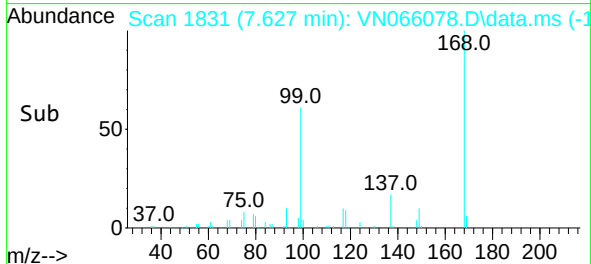
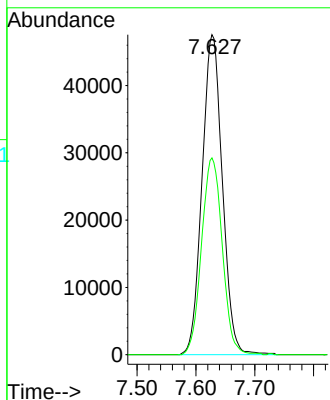
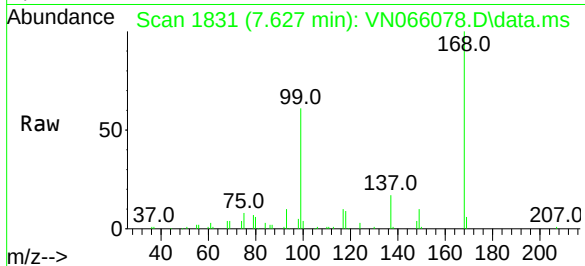




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. 0.000 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

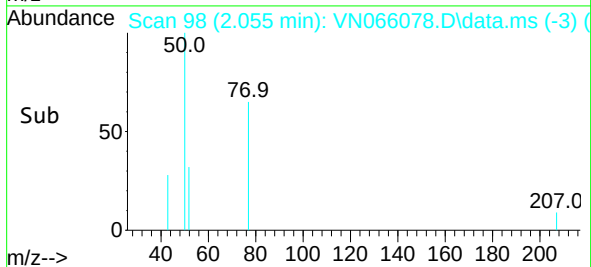
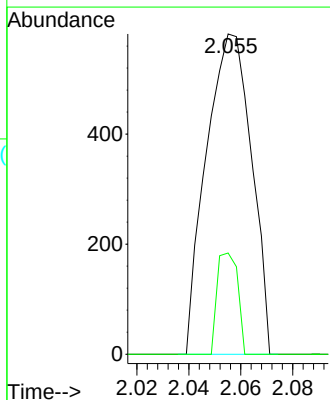
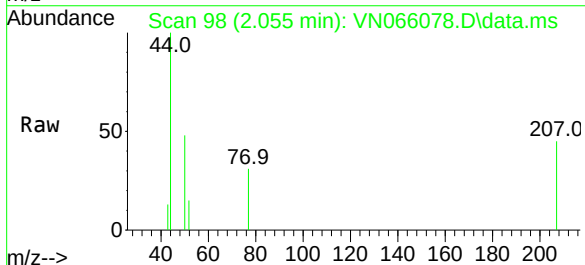
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

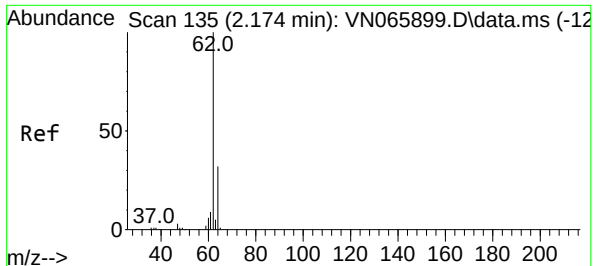
Tgt Ion:168 Resp: 113974  
Ion Ratio Lower Upper  
168 100  
99 61.5 42.6 63.8



#3  
Chloromethane  
Concen: 0.38 ug/l  
RT: 2.055 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

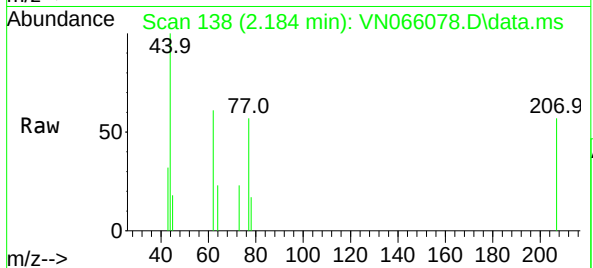
Tgt Ion: 50 Resp: 703  
Ion Ratio Lower Upper  
50 100  
52 31.6 25.8 38.8



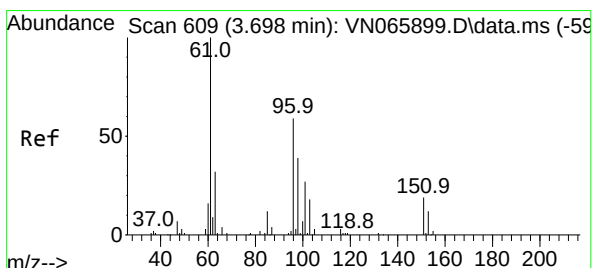
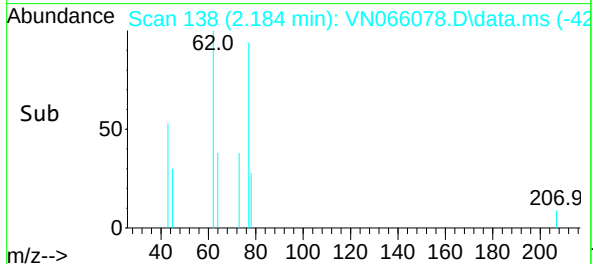
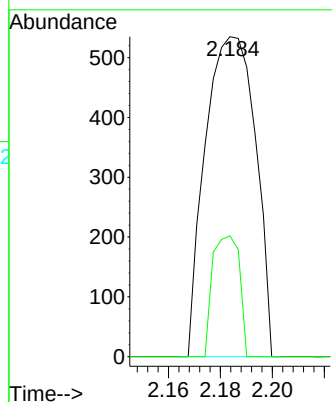


#4  
 Vinyl Chloride  
 Concen: 0.39 ug/l  
 RT: 2.184 min Scan# 138  
 Delta R.T. 0.010 min  
 Lab File: VN066078.D  
 Acq: 1 Mar 2021 15:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GW806-31-36-022621

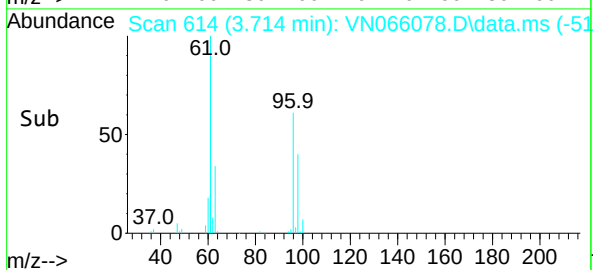
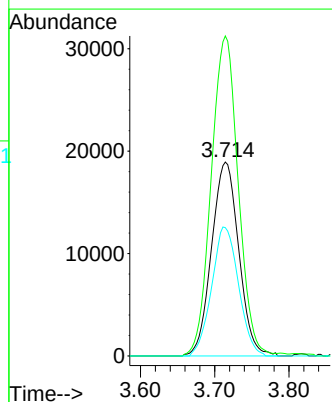
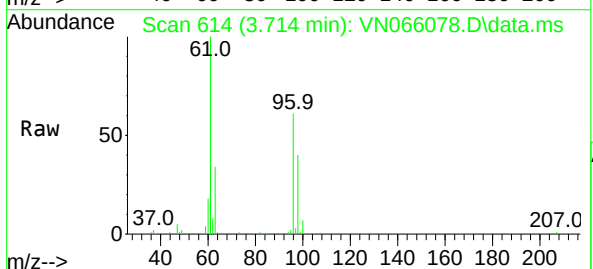


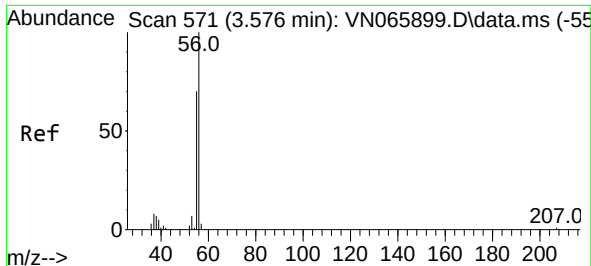
Tgt Ion: 62 Resp: 716  
 Ion Ratio Lower Upper  
 62 100  
 64 37.8 25.1 37.7#



#12  
 1,1-Dichloroethene  
 Concen: 37.73 ug/l  
 RT: 3.714 min Scan# 614  
 Delta R.T. 0.016 min  
 Lab File: VN066078.D  
 Acq: 1 Mar 2021 15:31

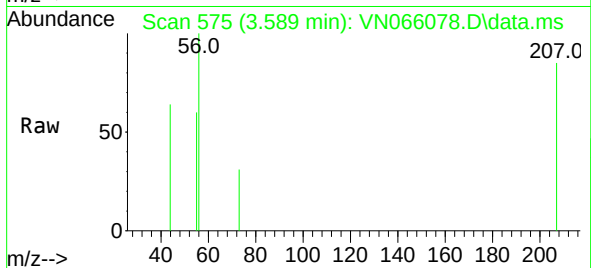
Tgt Ion: 96 Resp: 48290  
 Ion Ratio Lower Upper  
 96 100  
 61 165.0 122.5 183.7  
 98 66.2 50.8 76.2



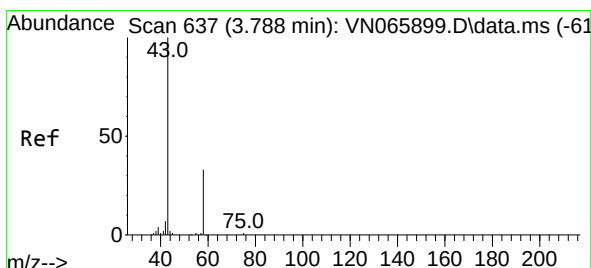
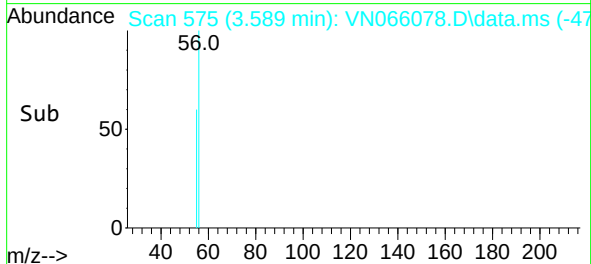
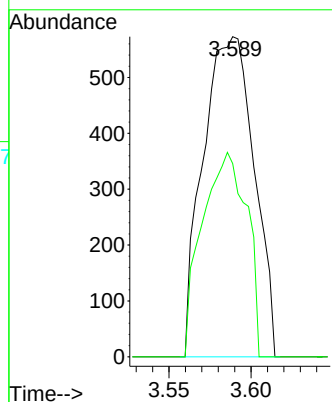


#13  
Acrolein  
Concen: 6.09 ug/l  
RT: 3.589 min Scan# 575  
Delta R.T. 0.013 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Instrument :  
MSVOA\_N  
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GW806-31-36-022621

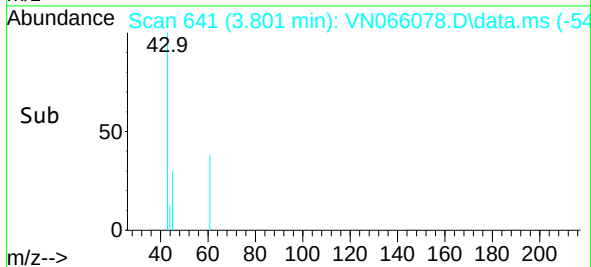
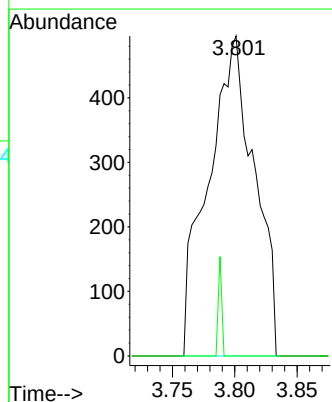
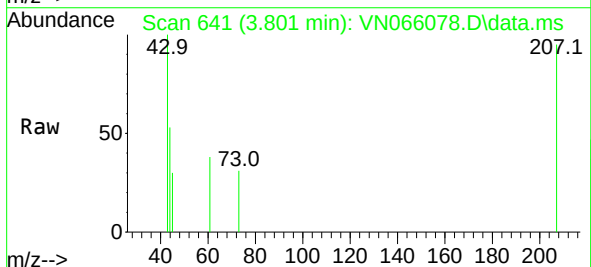


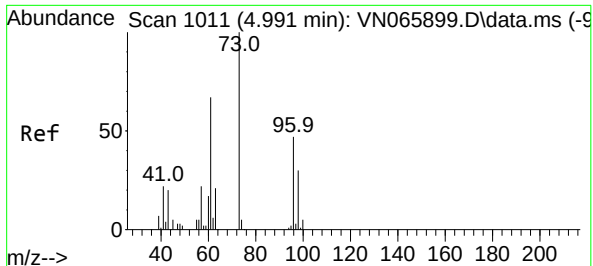
Tgt Ion: 56 Resp: 1236  
Ion Ratio Lower Upper  
56 100  
55 55.8 56.0 84.0#



#16  
Acetone  
Concen: 0.95 ug/l  
RT: 3.801 min Scan# 641  
Delta R.T. 0.013 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 43 Resp: 1278  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.6#

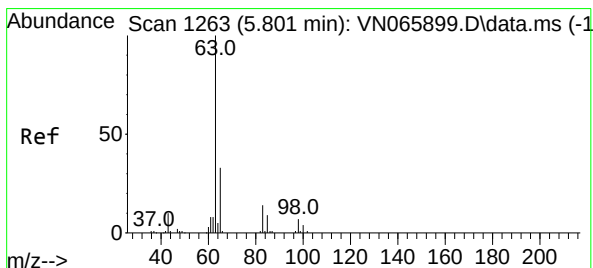
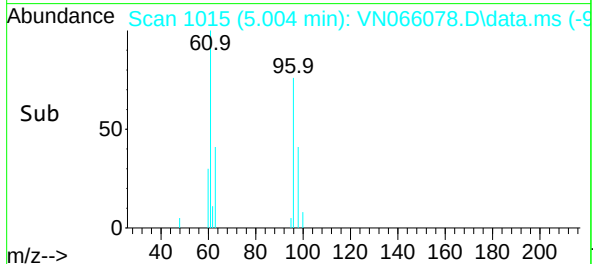
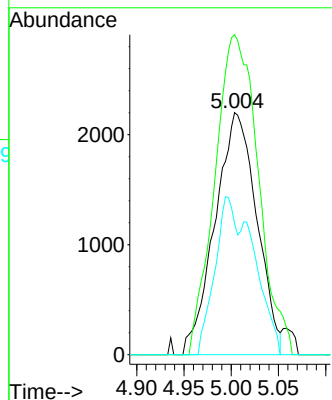
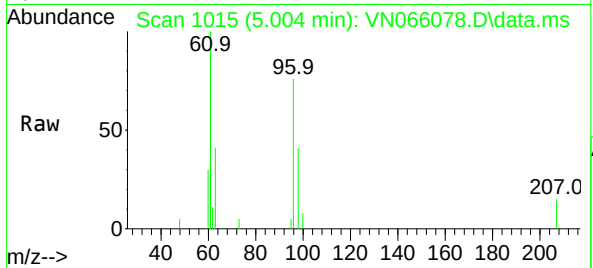




#21  
trans-1,2-Dichloroethene  
Concen: 5.03 ug/l  
RT: 5.004 min Scan# 1015  
Delta R.T. 0.013 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

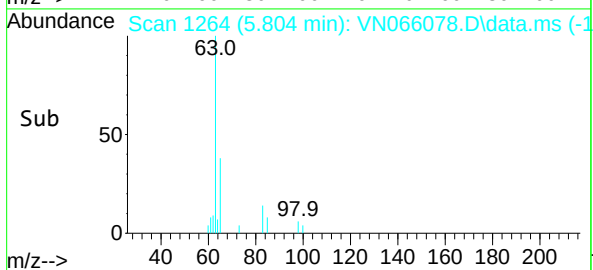
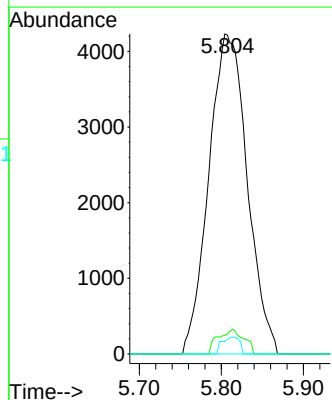
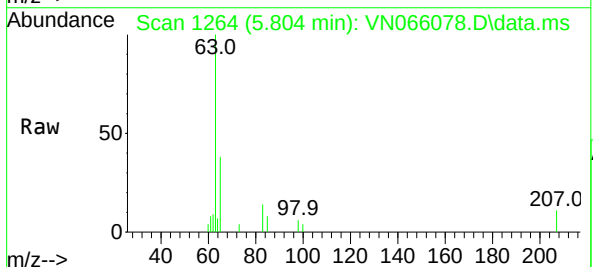
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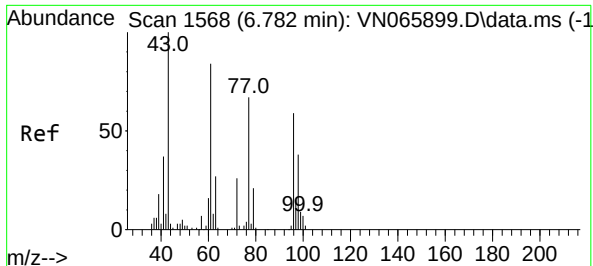
Tgt Ion: 96 Resp: 6765  
Ion Ratio Lower Upper  
96 100  
61 132.2 104.9 157.3  
98 54.2 51.8 77.8



#24  
1,1-Dichloroethane  
Concen: 5.45 ug/l  
RT: 5.804 min Scan# 1264  
Delta R.T. 0.003 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 63 Resp: 13765  
Ion Ratio Lower Upper  
63 100  
98 5.8 3.5 10.4  
100 3.9 2.3 6.9



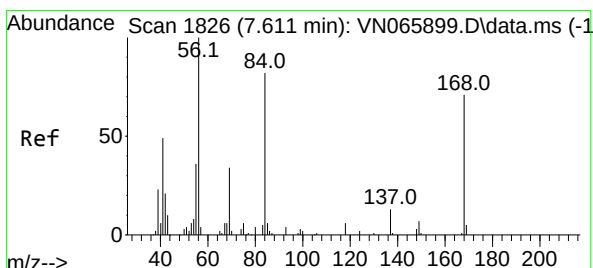
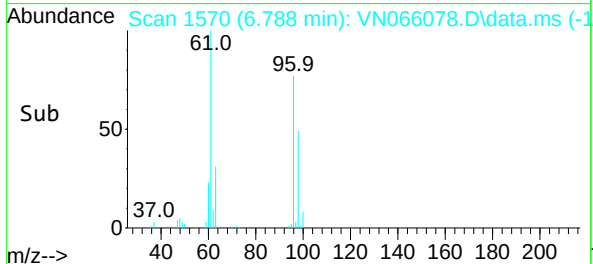
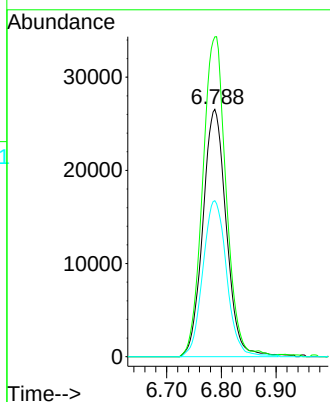
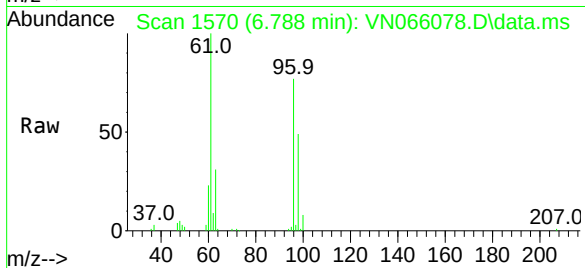


#27

cis-1,2-Dichloroethene  
Concen: 51.59 ug/l  
RT: 6.788 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Instrument :  
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ClientSampleId :  
GW806-31-36-022621

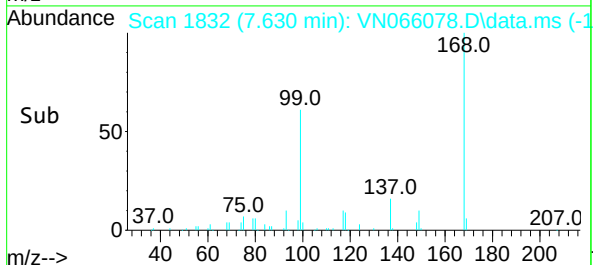
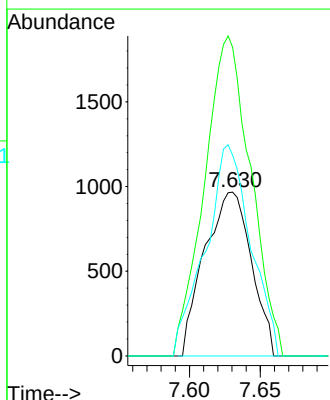
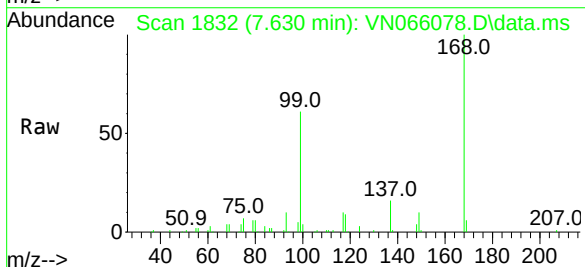
Tgt Ion: 96 Resp: 79064  
Ion Ratio Lower Upper  
96 100  
61 128.0 0.0 276.8  
98 63.7 0.0 129.4

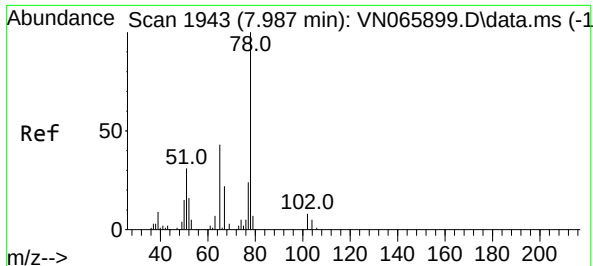


#31

Cyclohexane  
Concen: 0.93 ug/l  
RT: 7.630 min Scan# 1832  
Delta R.T. 0.019 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 56 Resp: 2220  
Ion Ratio Lower Upper  
56 100  
69 172.0 26.6 39.8#  
84 122.5 70.4 105.6#

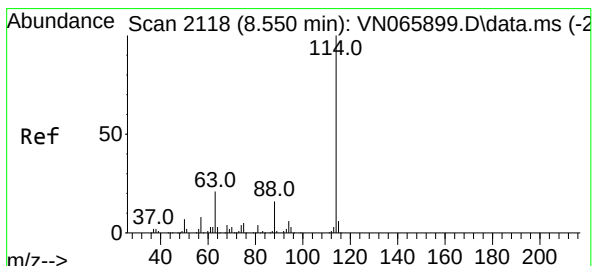
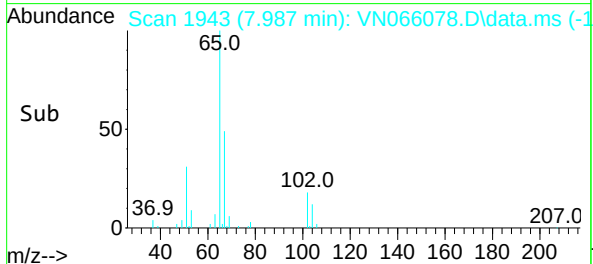
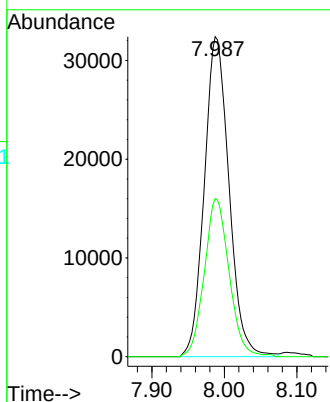
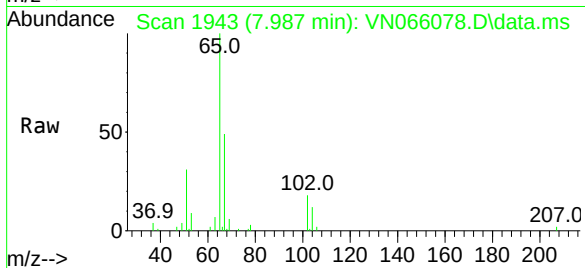




#33  
1,2-Dichloroethane-d4  
Concen: 48.10 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

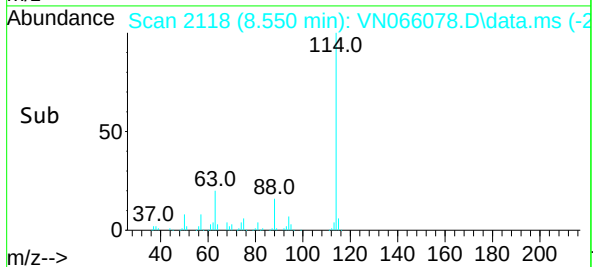
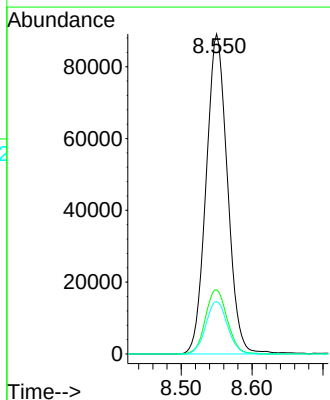
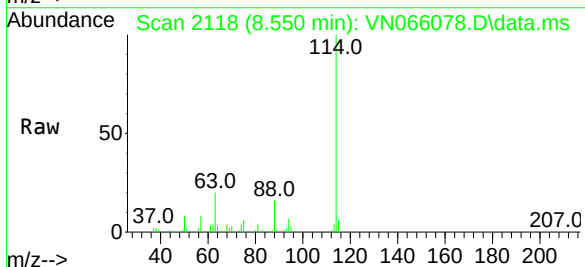
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

Tgt Ion: 65 Resp: 76661  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 107.2

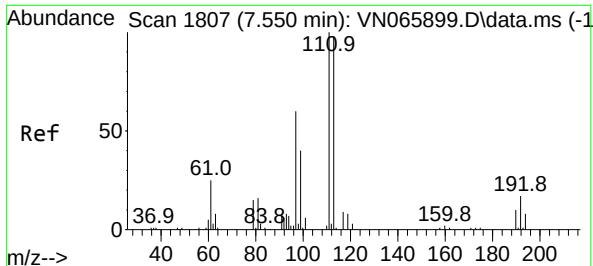


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 114 Resp: 185602  
Ion Ratio Lower Upper  
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63 20.1 0.0 38.6  
88 16.4 0.0 30.6



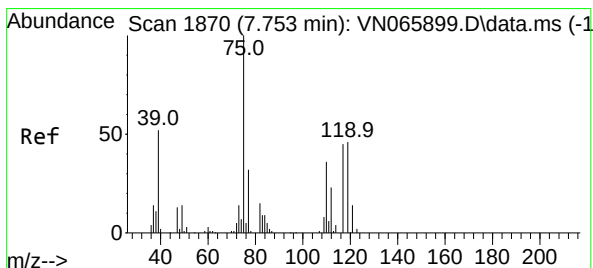
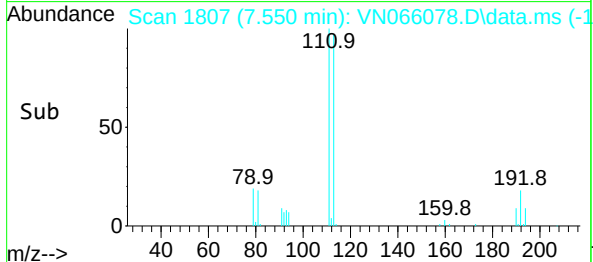
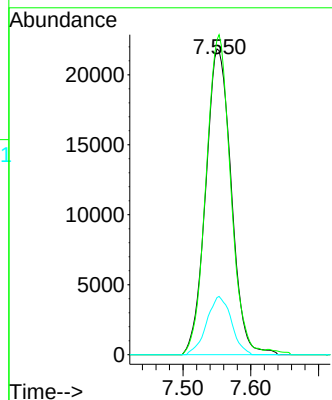
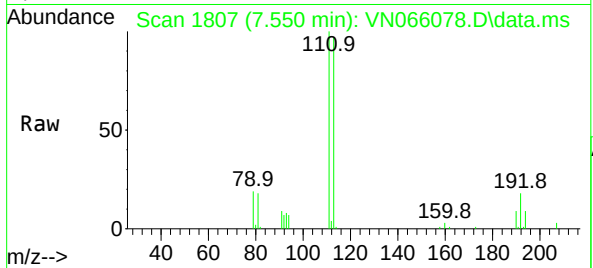




#35  
Dibromofluoromethane  
Concen: 49.83 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

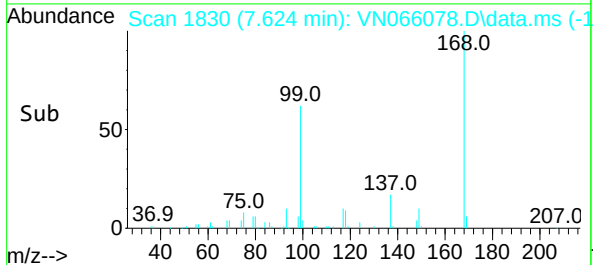
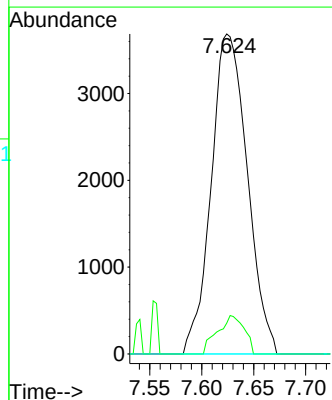
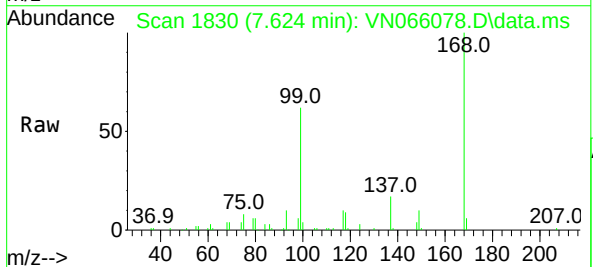
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

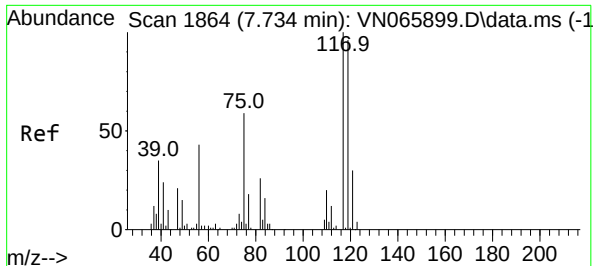
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 57235 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 100.1 | 82.2  | 123.2 |
| 192       | 18.4  | 15.4  | 23.0  |



#36  
1,1-Dichloropropene  
Concen: 4.87 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.129 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

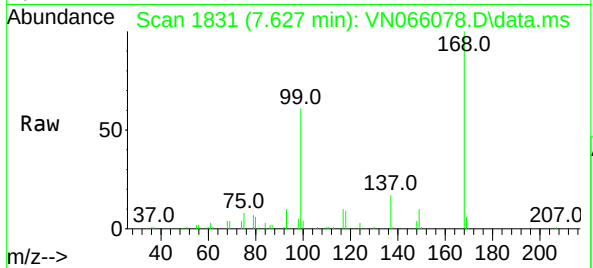
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 8905  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.9   | 18.2  | 54.6# |
| 77        | 0.0   | 24.9  | 37.3# |



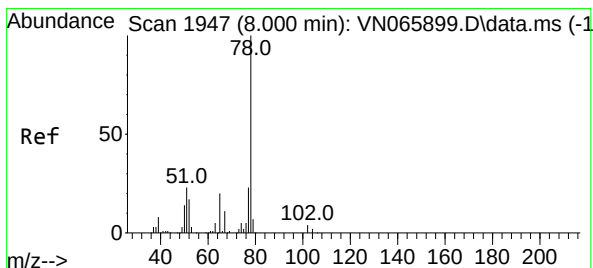
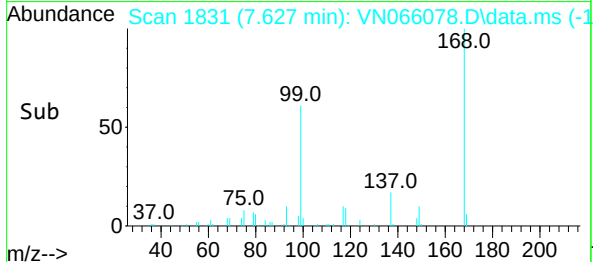
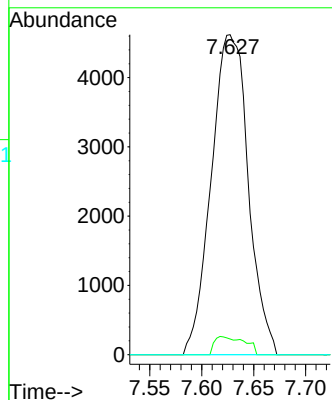


#38  
Carbon Tetrachloride  
Concen: 6.73 ug/l  
RT: 7.627 min Scan# 1831  
Delta R.T. -0.107 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

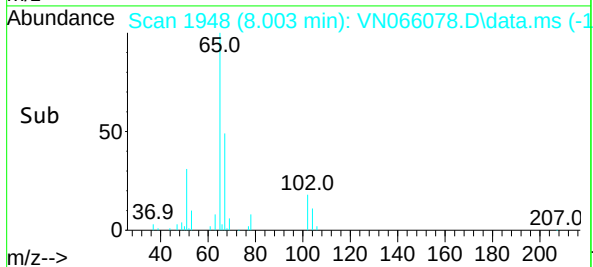
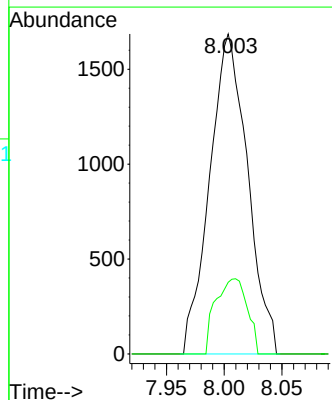
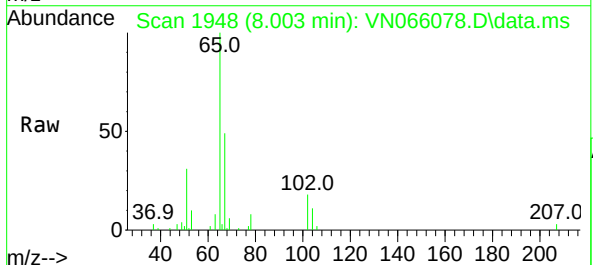


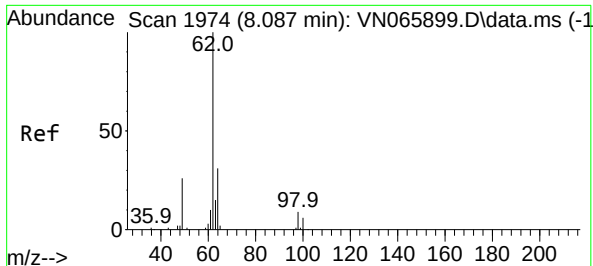
Tgt Ion:117 Resp: 11446  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.0 114.0#  
121 0.0 24.5 36.7#



#40  
Benzene  
Concen: 0.69 ug/l  
RT: 8.003 min Scan# 1948  
Delta R.T. 0.003 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 78 Resp: 3849  
Ion Ratio Lower Upper  
78 100  
77 22.4 19.0 28.4





#42

1,2-Dichloroethane

Concen: 5.96 ug/l

RT: 8.090 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VN066078.D

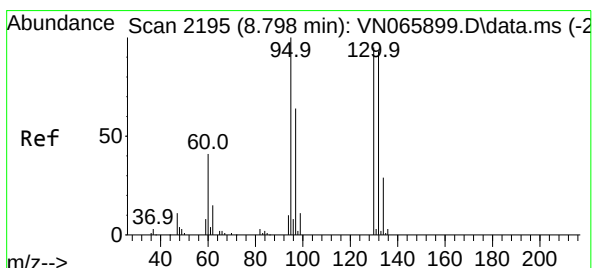
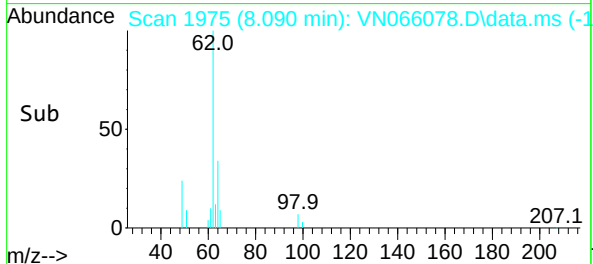
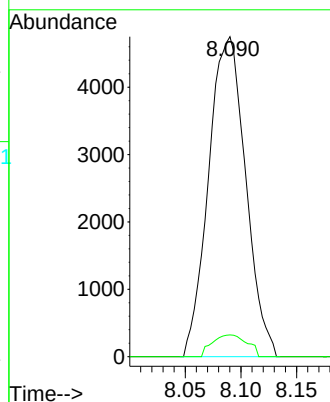
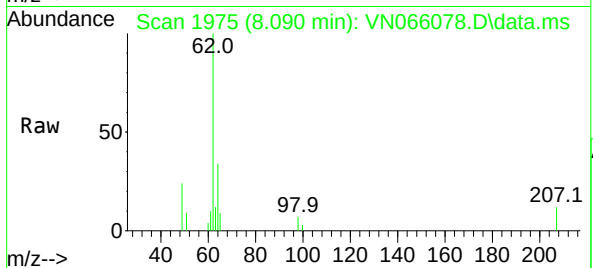
Acq: 1 Mar 2021 15:31

Tgt Ion: 62 Resp: 10998

Ion Ratio Lower Upper

62 100

98 6.4 0.0 18.6



#44

Trichloroethene

Concen: 14.36 ug/l

RT: 8.801 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VN066078.D

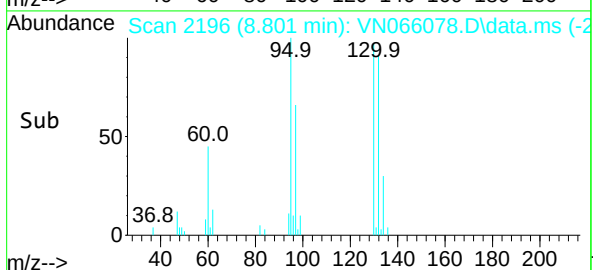
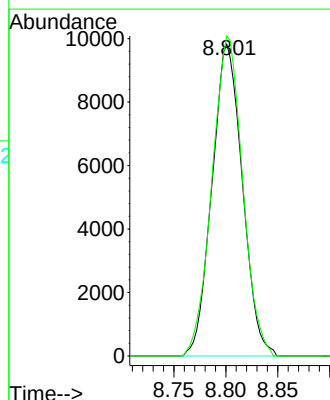
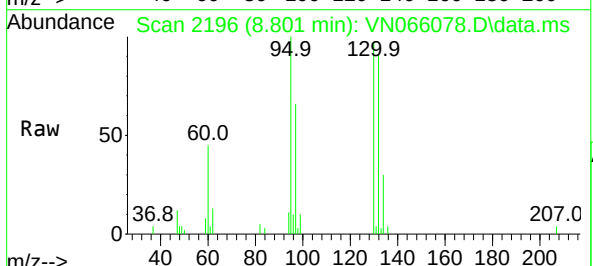
Acq: 1 Mar 2021 15:31

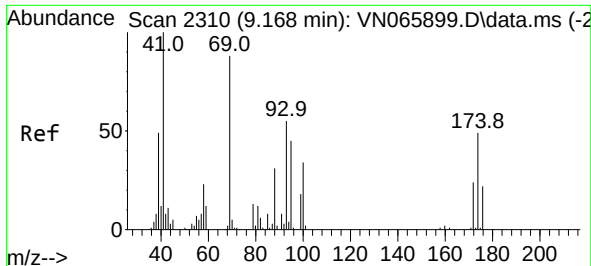
Tgt Ion:130 Resp: 19944

Ion Ratio Lower Upper

130 100

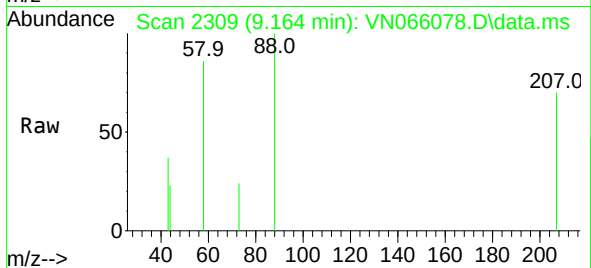
95 102.7 0.0 199.6



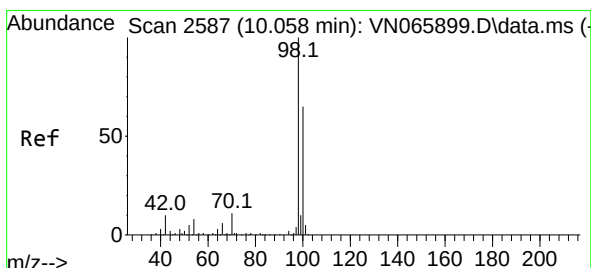
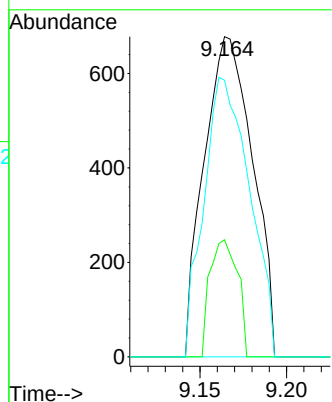
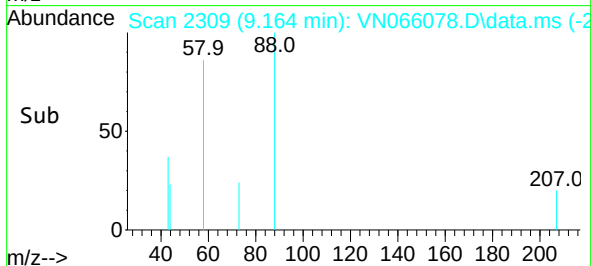


#49  
1,4-Dioxane  
Concen: 58.23 ug/l  
RT: 9.164 min Scan# 2309  
Delta R.T. -0.004 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

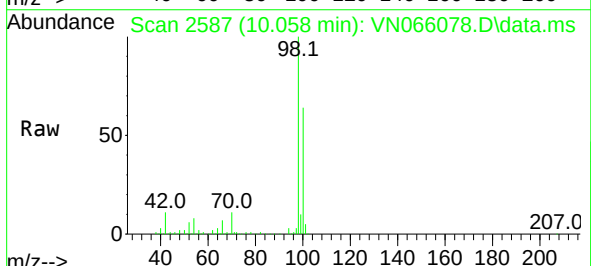
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621



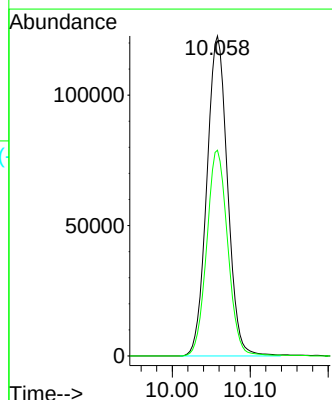
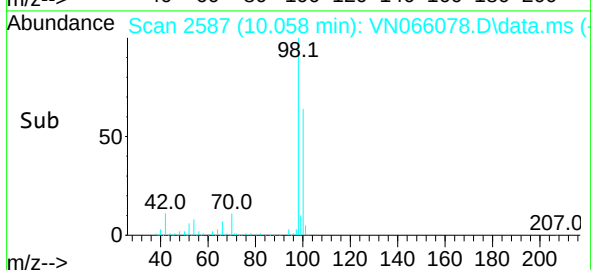
Tgt Ion: 88 Resp: 1324  
Ion Ratio Lower Upper  
88 100  
43 20.8 24.7 37.1#  
58 82.1 52.6 78.8#

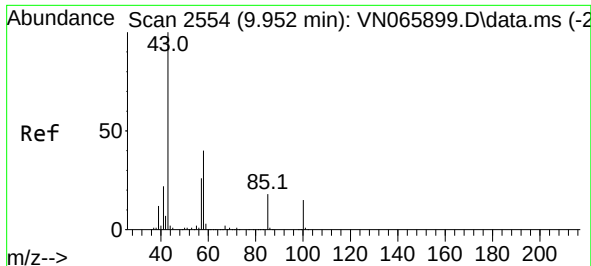


#50  
Toluene-d8  
Concen: 48.07 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31



Tgt Ion: 98 Resp: 226650  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.5 75.7

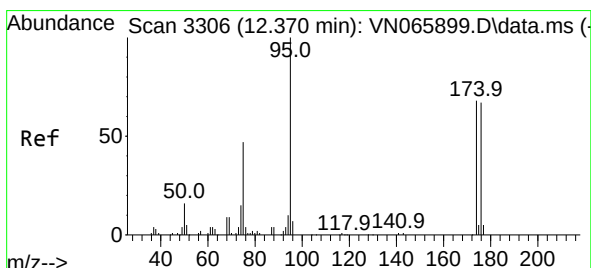
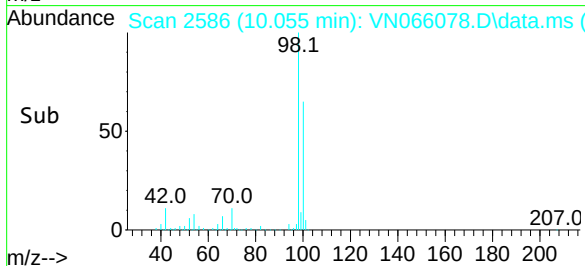
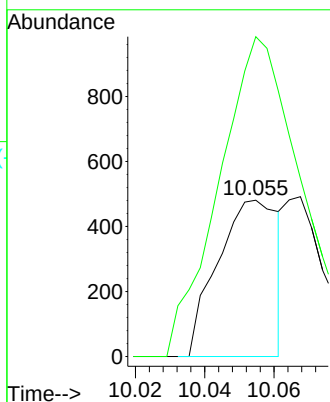
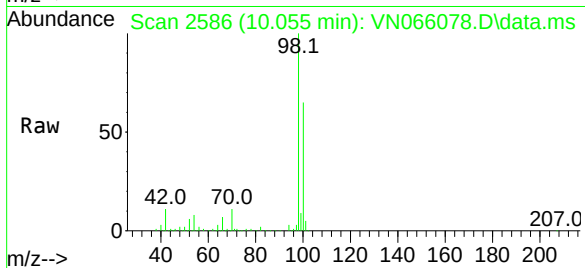




#51  
4-Methyl-2-Pentanone  
Concen: 0.36 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. 0.103 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

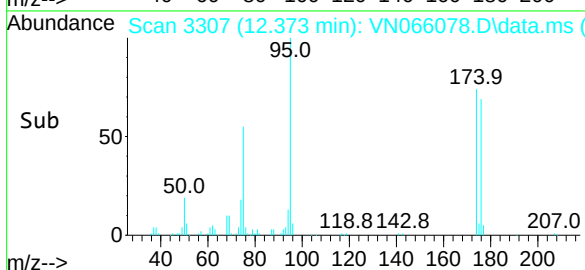
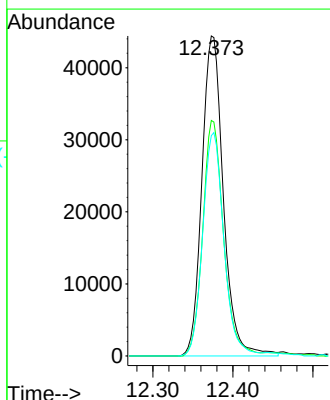
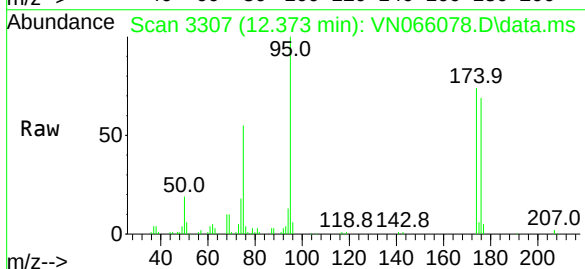
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

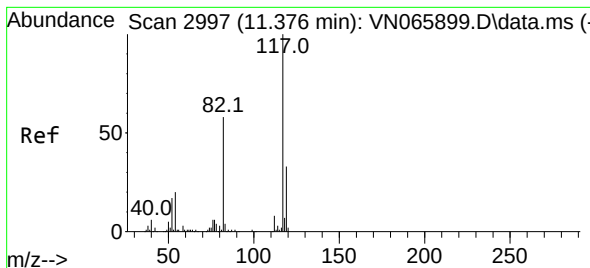
Tgt Ion: 43 Resp: 583  
Ion Ratio Lower Upper  
43 100  
58 270.7 32.5 48.7#



#62  
4-Bromofluorobenzene  
Concen: 46.88 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 95 Resp: 82990  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 169.0  
176 68.7 0.0 162.4

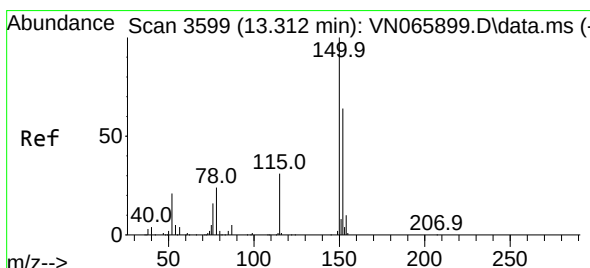
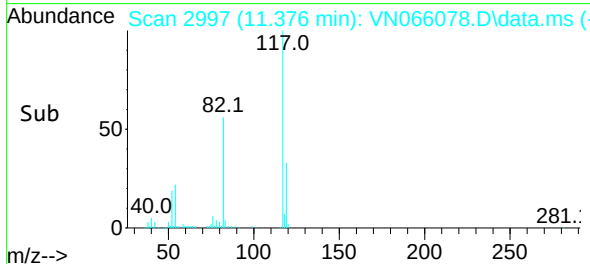
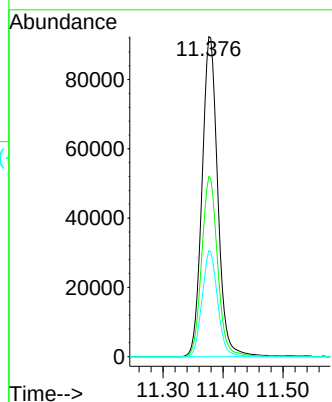
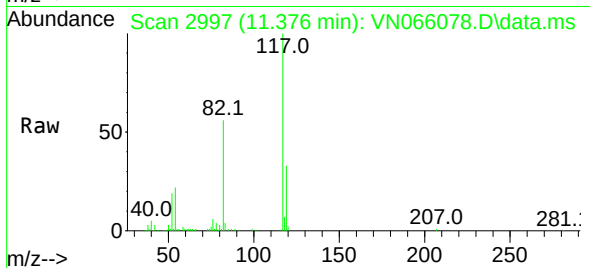




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

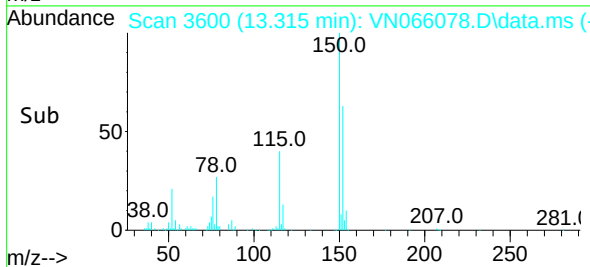
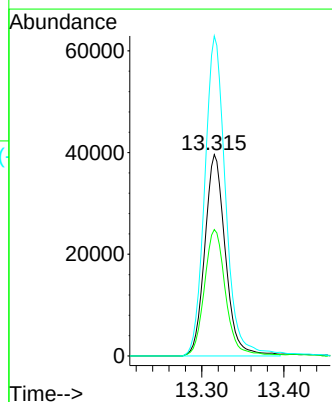
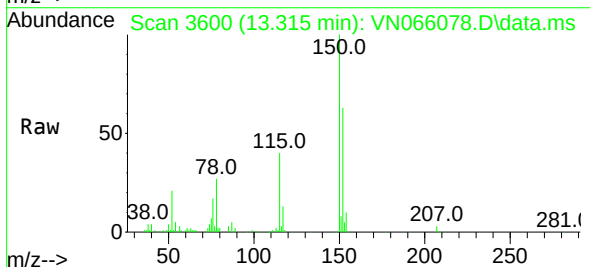
Instrument :  
MSVOA\_N  
ClientSampleId :  
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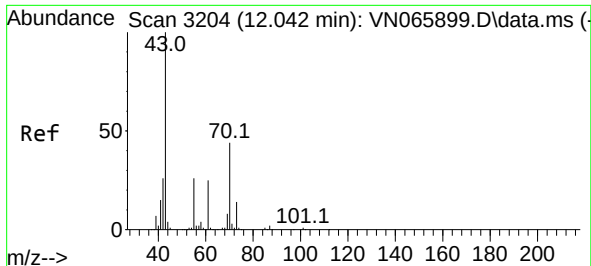
Tgt Ion:117 Resp: 169256  
Ion Ratio Lower Upper  
117 100  
82 56.3 43.7 65.5  
119 33.1 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

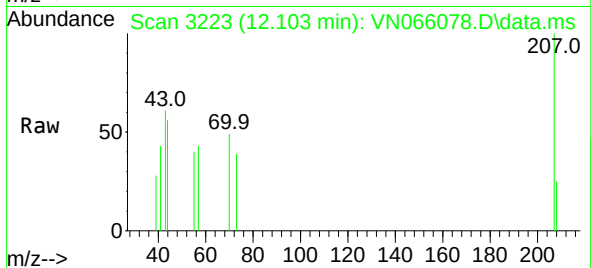
Tgt Ion:152 Resp: 69473  
Ion Ratio Lower Upper  
152 100  
115 64.6 28.5 85.6  
150 162.2 0.0 347.6



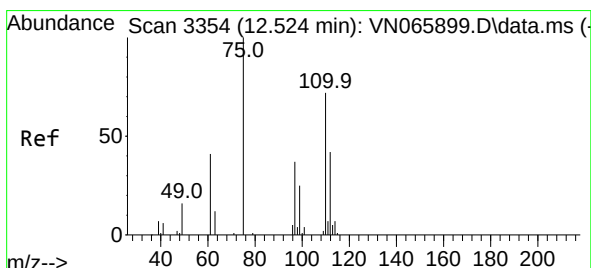
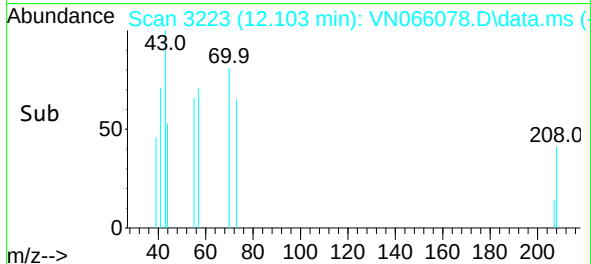
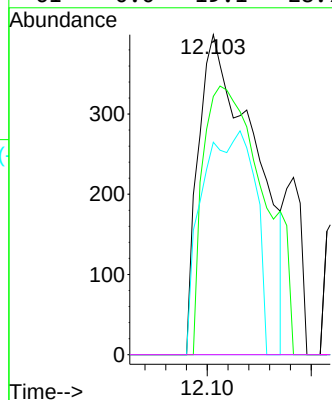


#74  
N-amy1 acetate  
Concen: 0.38 ug/l  
RT: 12.103 min Scan# 3223  
Delta R.T. 0.061 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

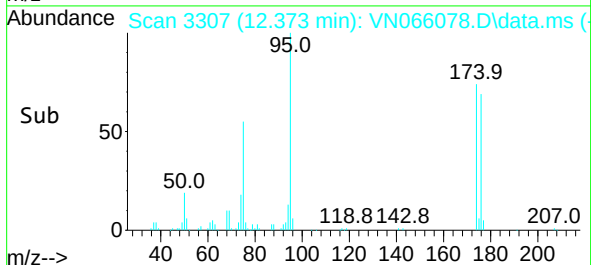
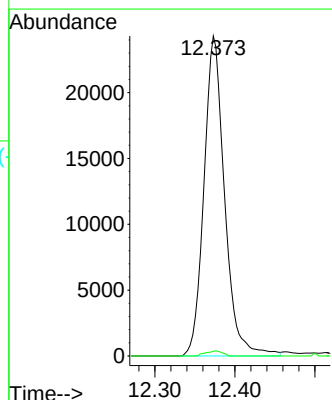
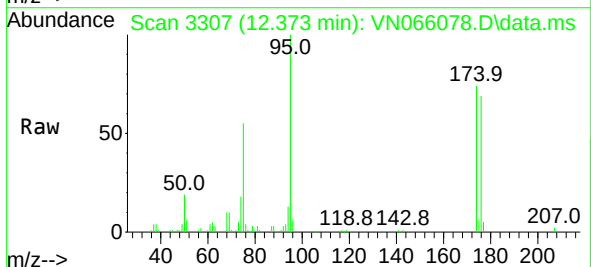


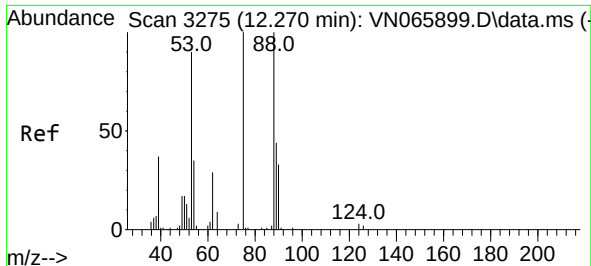
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 756   |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 90.1     | 34.4 51.6#  |
| 55 65.3     | 20.7 31.1#  |
| 61 0.0      | 19.1 28.7#  |



#76  
1,2,3-Trichloropropane  
Concen: 26.18 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 43697 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 1.3      | 0.0 0.0#    |

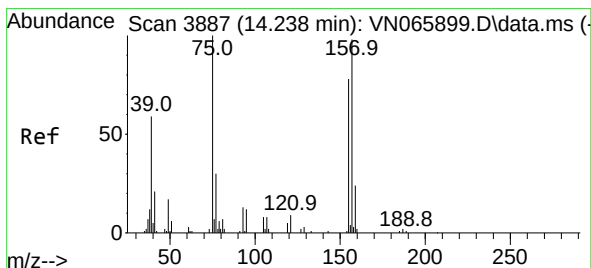
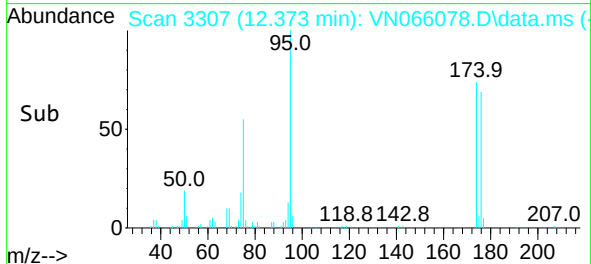
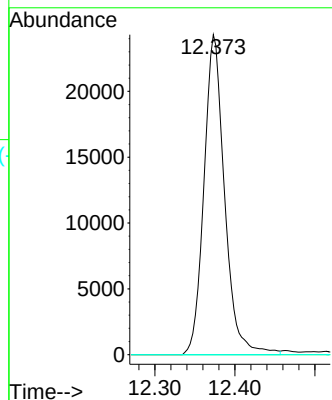
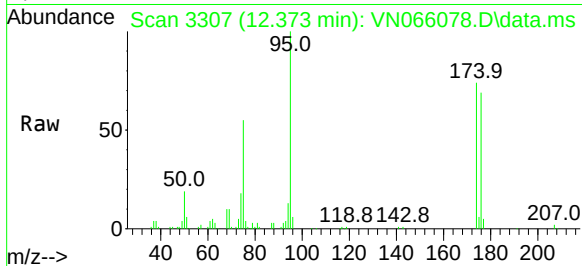




#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.44 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

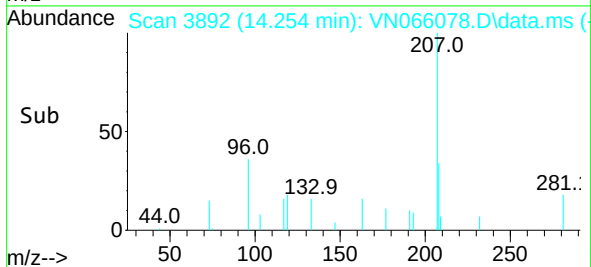
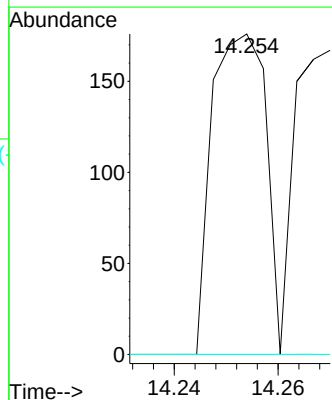
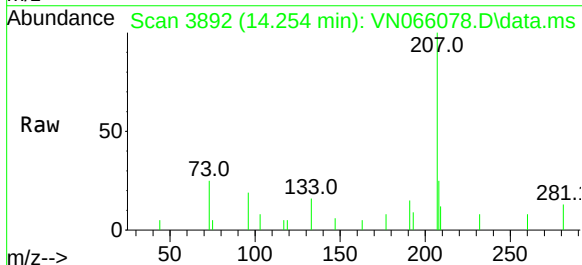
Instrument :  
MSVOA\_N  
ClientSampleId :  
GW806-31-36-022621

Tgt Ion: 75 Resp: 43697  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

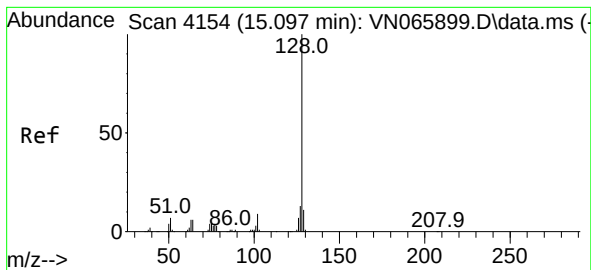


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.22 ug/l  
RT: 14.254 min Scan# 3892  
Delta R.T. 0.016 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Tgt Ion: 75 Resp: 126  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.1 132.4#  
157 0.0 56.0 168.2#

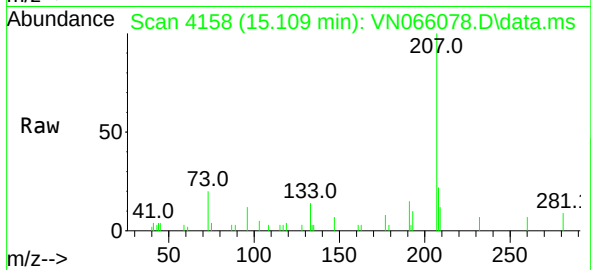






#95  
Naphthalene  
Concen: 3.13 ug/l  
RT: 15.109 min Scan# 4158  
Delta R.T. 0.012 min  
Lab File: VN066078.D  
Acq: 1 Mar 2021 15:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:128 Resp: 329  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.6 13.0#

