

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012821\  
 Data File : VN065649.D  
 Acq On : 28 Jan 2021 15:03  
 Operator : JC/MD  
 Sample : PB134373ZHE#12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB134373ZHE#12

Quant Time: Jan 29 01:23:09 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

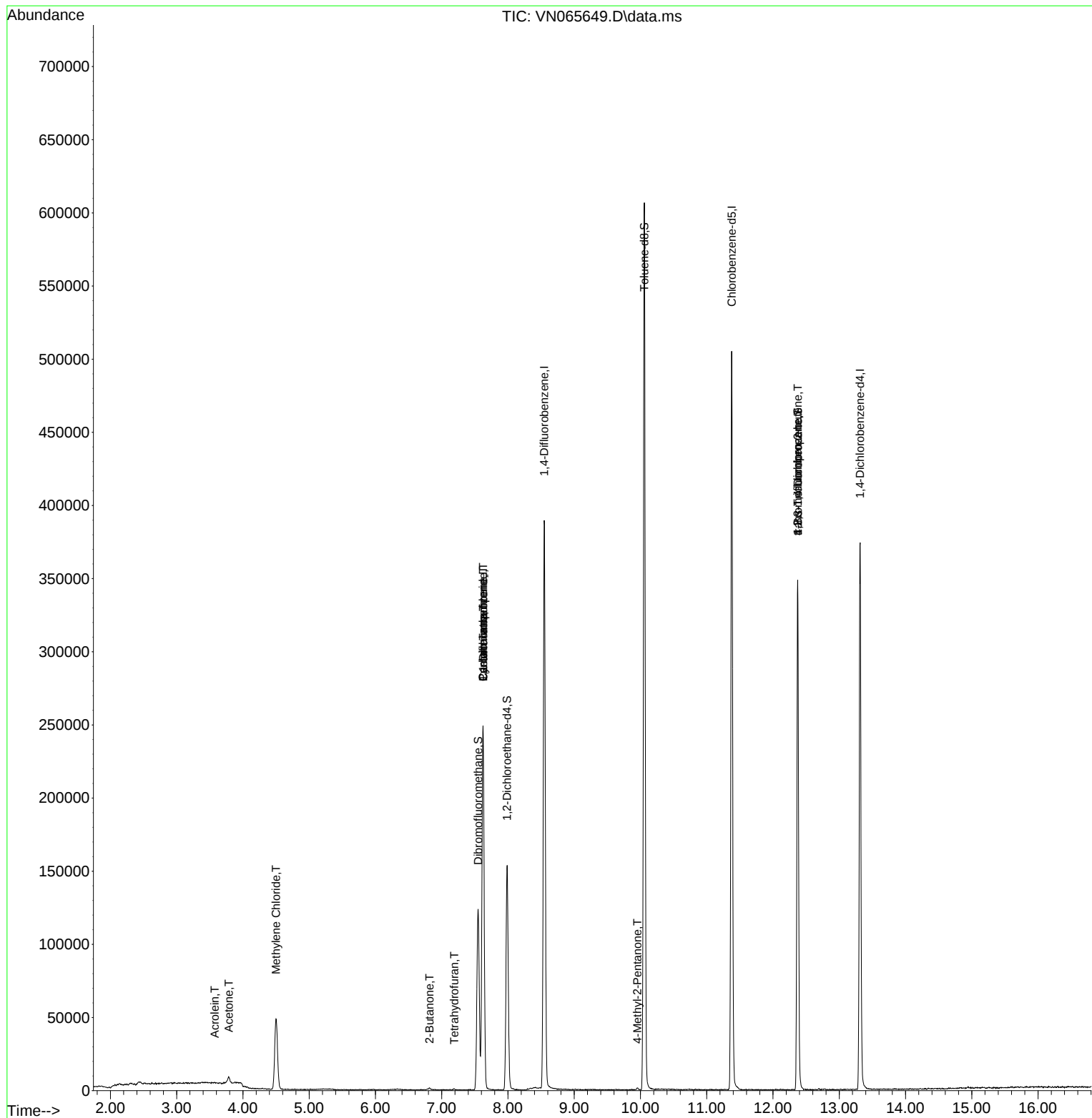
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 203824     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.547          | 114  | 350626     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 304248     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 106855     | 50.00   | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 129155     | 48.17   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 96.34%  |        |          |
| 35) Dibromofluoromethane      | 7.550          | 113  | 101433     | 48.82   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 97.64%  |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 437522     | 53.57   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 107.14% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 143849     | 48.91   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 97.82%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 13) Acrolein                  | 3.573          | 56   | 99         | 18.30   | ug/l # | 44       |
| 16) Acetone                   | 3.785          | 43   | 7039       | 6.74    | ug/l   | 98       |
| 20) Methylene Chloride        | 4.499          | 84   | 36617      | 12.67   | ug/l   | 93       |
| 25) 2-Butanone                | 6.814          | 43   | 2421       | 1.48    | ug/l # | 84       |
| 29) Tetrahydrofuran           | 7.190          | 42   | 588        | 0.50    | ug/l # | 32       |
| 31) Cyclohexane               | 7.624          | 56   | 4339       | 0.86    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624          | 75   | 16394      | 4.65    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.624          | 117  | 19463      | 6.70    | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 9.952          | 43   | 1839       | 0.56    | ug/l # | 64       |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 66547      | 23.82   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 66547      | 61.00   | ug/l # | 12       |
| -----                         |                |      |            |         |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012821\  
Data File : VN065649.D  
Acq On : 28 Jan 2021 15:03  
Operator : JC/MD  
Sample : PB134373ZHE#12  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

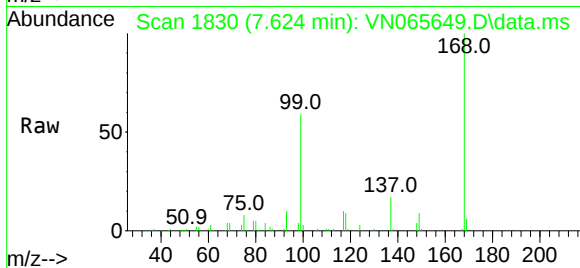
Quant Time: Jan 29 01:23:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration



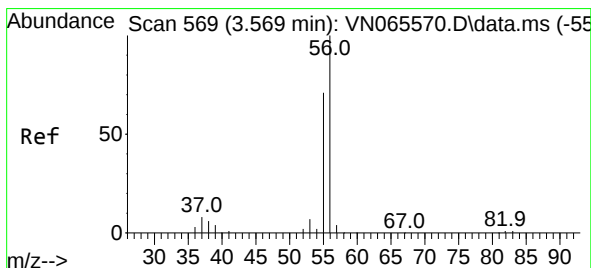
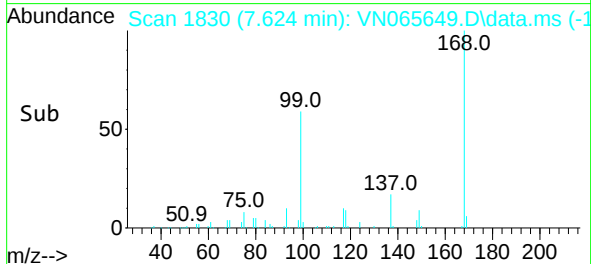
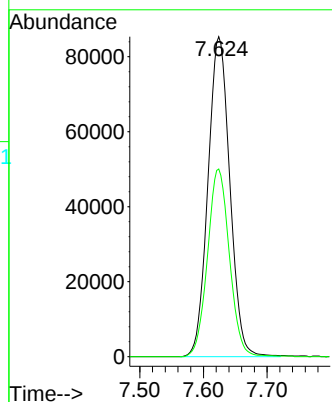


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

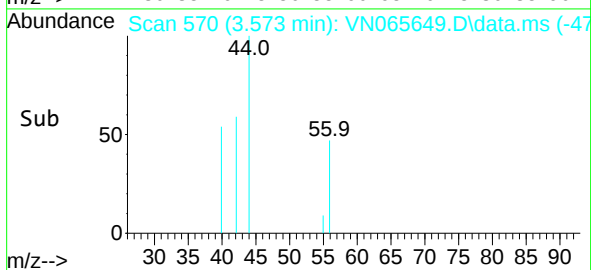
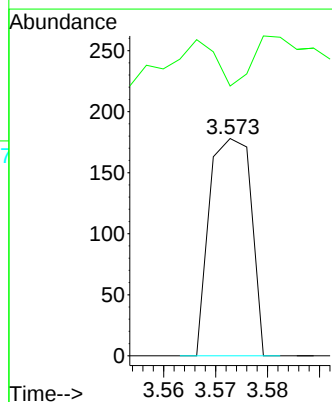
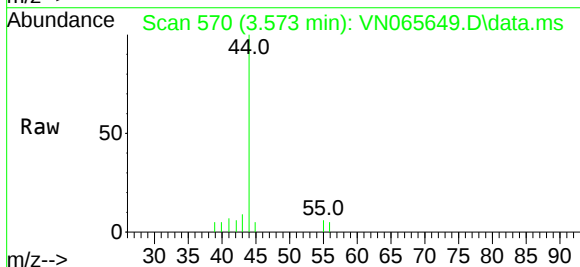


Tgt Ion:168 Resp: 203824  
Ion Ratio Lower Upper  
168 100  
99 58.6 42.6 63.8



#13  
Acrolein  
Concen: 18.30 ug/l  
RT: 3.573 min Scan# 570  
Delta R.T. 0.004 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

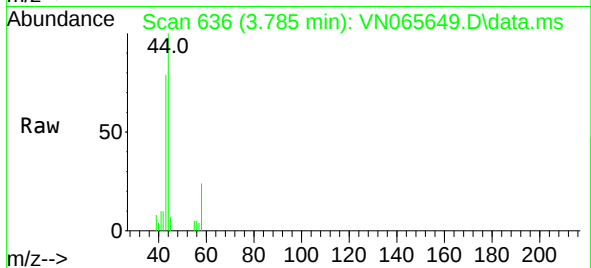
Tgt Ion: 56 Resp: 99  
Ion Ratio Lower Upper  
56 100  
55 116.2 56.0 84.0#



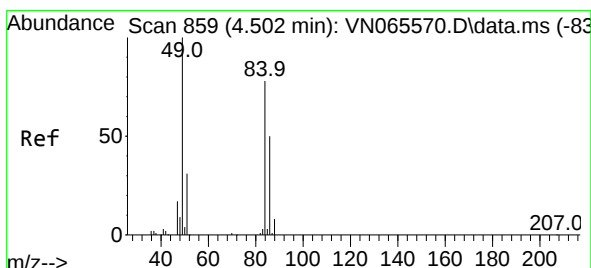
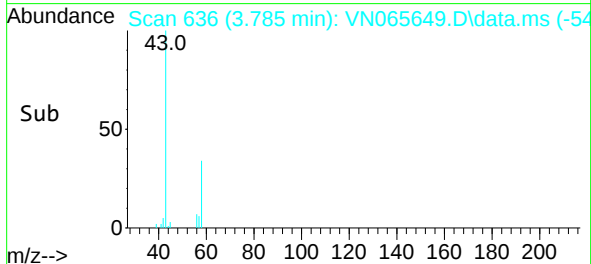
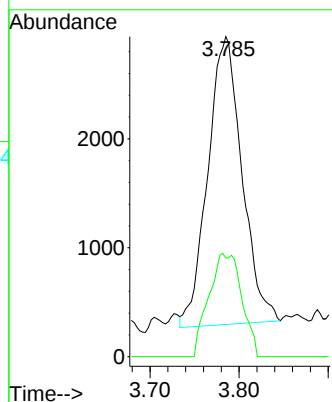


#16  
Acetone  
Concen: 6.74 ug/l  
RT: 3.785 min Scan# 636  
Delta R.T. 0.003 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

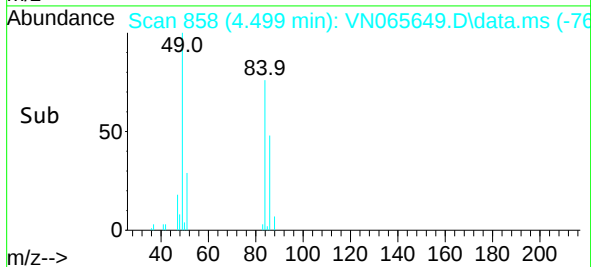
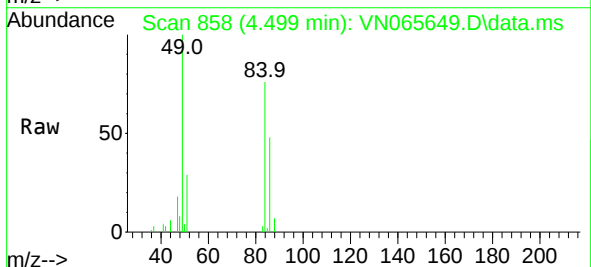
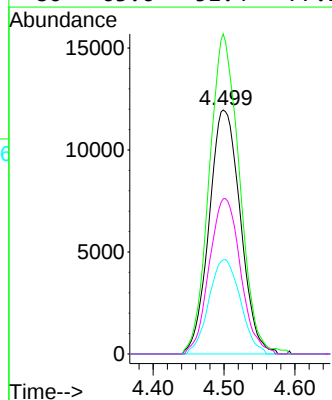


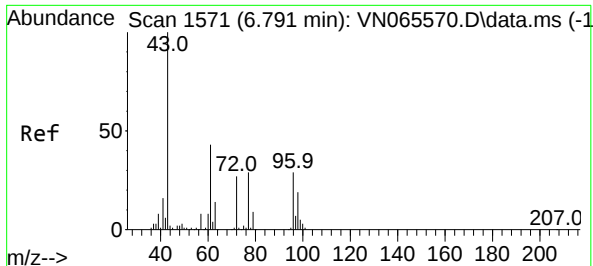
Tgt Ion: 43 Resp: 7039  
Ion Ratio Lower Upper  
43 100  
58 34.7 27.0 40.6



#20  
Methylene Chloride  
Concen: 12.67 ug/l  
RT: 4.499 min Scan# 858  
Delta R.T. -0.003 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

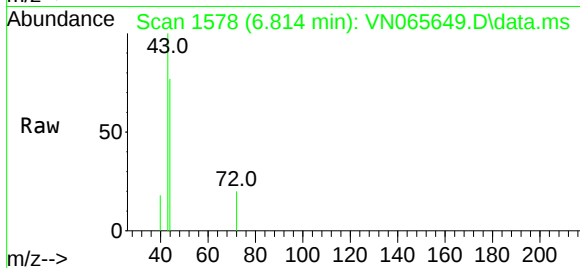
Tgt Ion: 84 Resp: 36617  
Ion Ratio Lower Upper  
84 100  
49 131.1 94.6 141.8  
51 38.6 29.9 44.9  
86 63.6 51.4 77.2



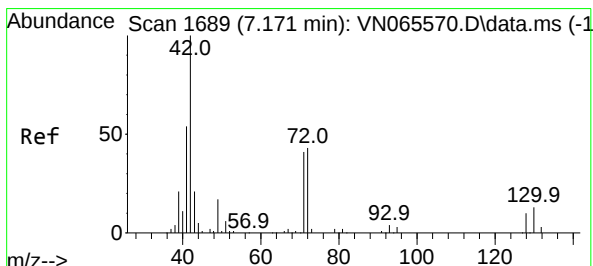
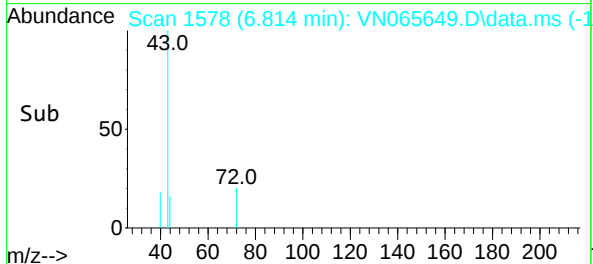
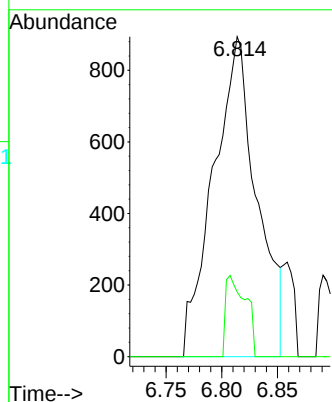


#25  
2-Butanone  
Concen: 1.48 ug/l  
RT: 6.814 min Scan# 1578  
Delta R.T. 0.023 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

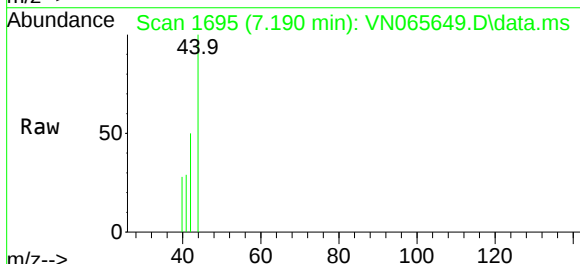
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12



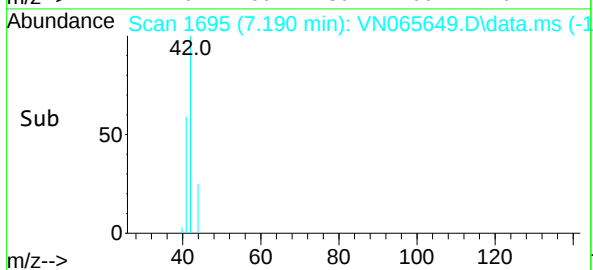
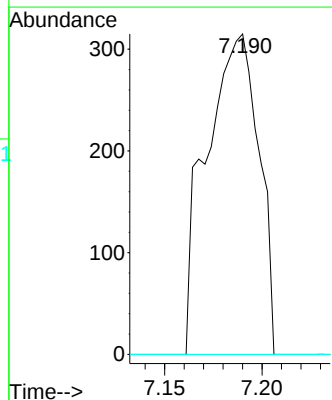
Tgt Ion: 43 Resp: 2421  
Ion Ratio Lower Upper  
43 100  
72 20.2 23.1 34.7#

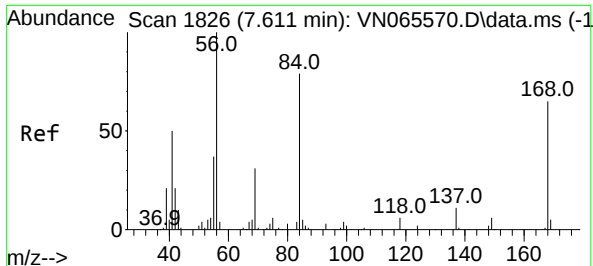


#29  
Tetrahydrofuran  
Concen: 0.50 ug/l  
RT: 7.190 min Scan# 1695  
Delta R.T. 0.019 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03



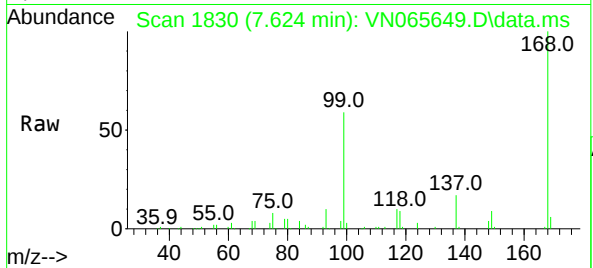
Tgt Ion: 42 Resp: 588  
Ion Ratio Lower Upper  
42 100  
72 0.0 36.6 55.0#  
71 0.0 34.3 51.5#



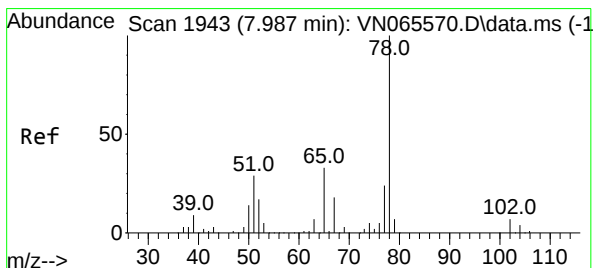
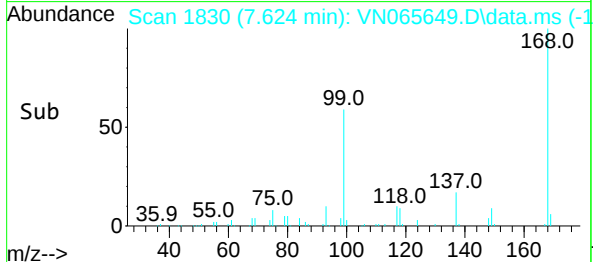
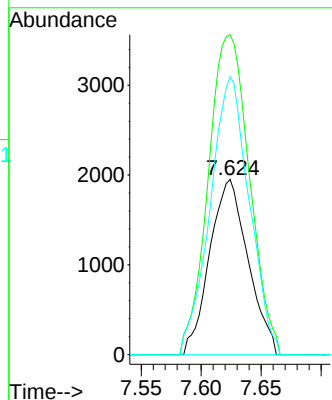


#31  
Cyclohexane  
Concen: 0.86 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.013 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

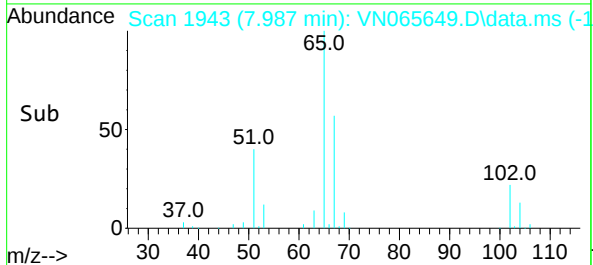
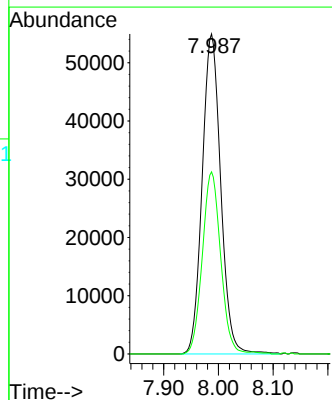
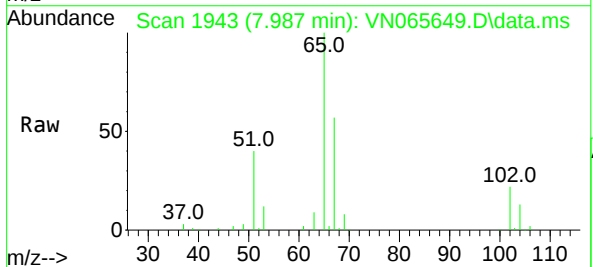


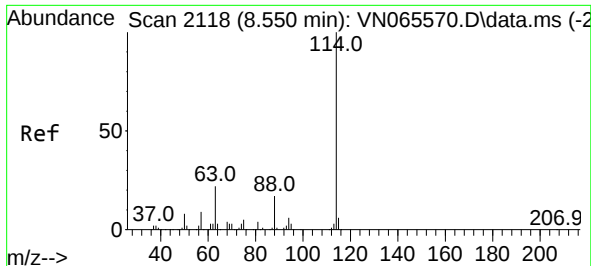
Tgt Ion: 56 Resp: 4339  
Ion Ratio Lower Upper  
56 100  
69 182.7 26.6 39.8#  
84 158.8 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 48.17 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

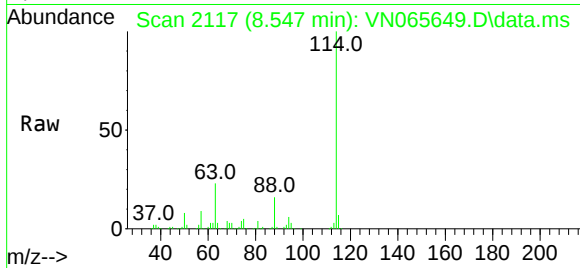
Tgt Ion: 65 Resp: 129155  
Ion Ratio Lower Upper  
65 100  
67 56.1 0.0 107.2



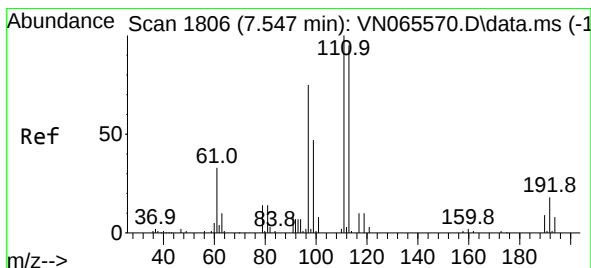
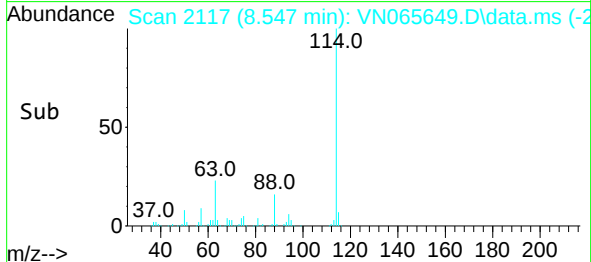
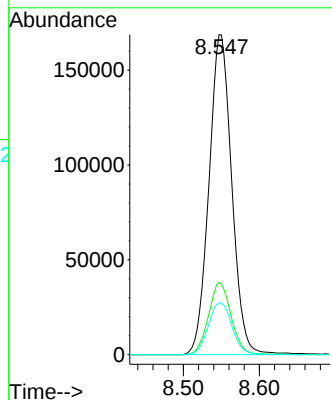


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

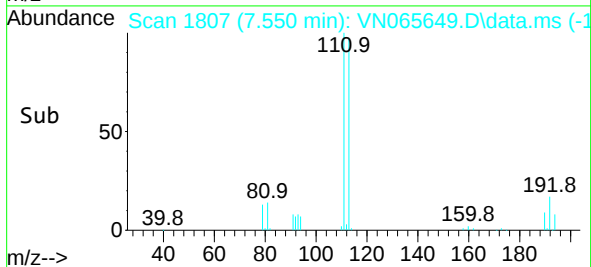
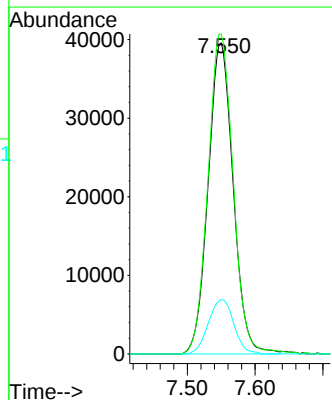
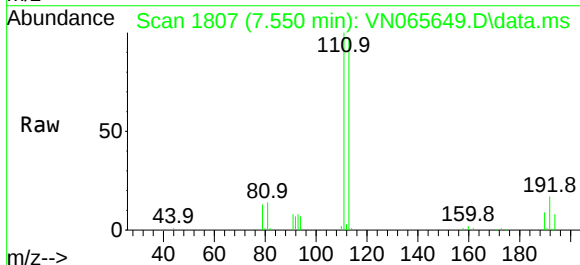


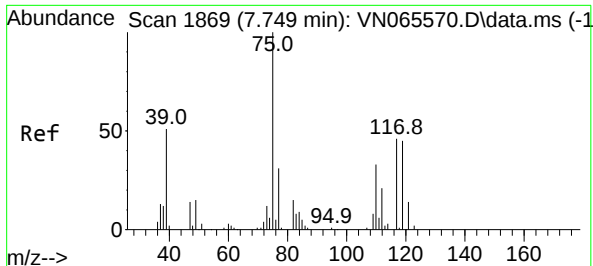
Tgt Ion:114 Resp: 350626  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 38.6  
88 16.2 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 48.82 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Tgt Ion:113 Resp: 101433  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.2 123.2  
192 17.7 15.4 23.0



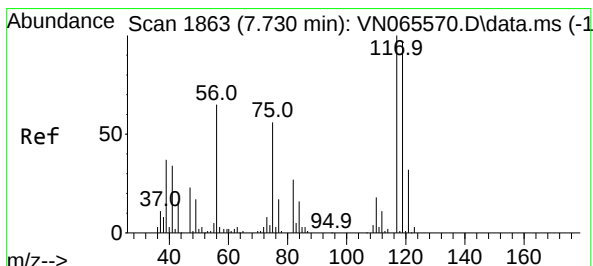
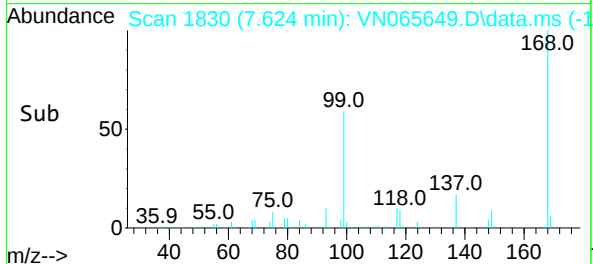
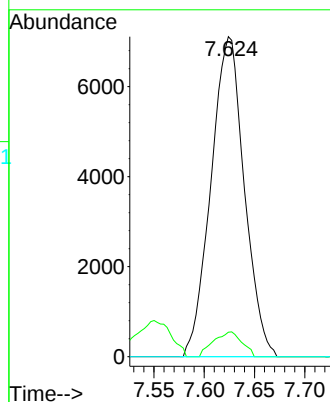
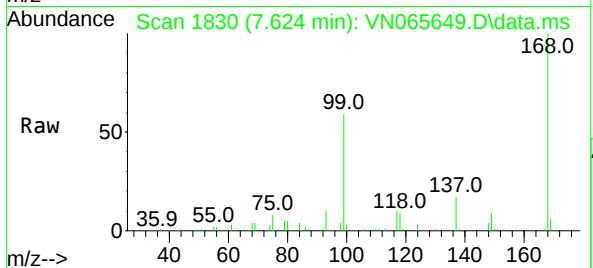


#36

1,1-Dichloropropene  
Concen: 4.65 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.125 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

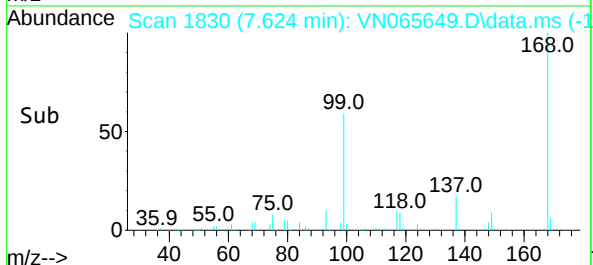
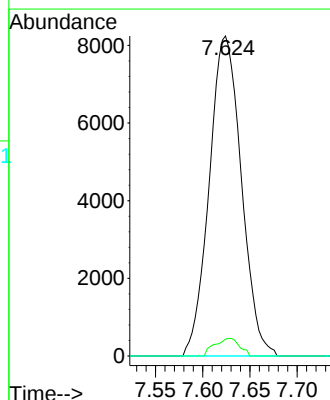
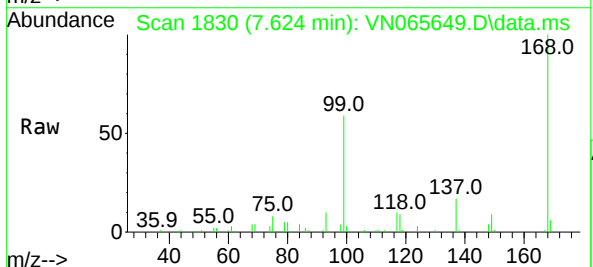
Tgt Ion: 75 Resp: 16394  
Ion Ratio Lower Upper  
75 100  
110 6.6 18.2 54.6#  
77 0.0 24.9 37.3#

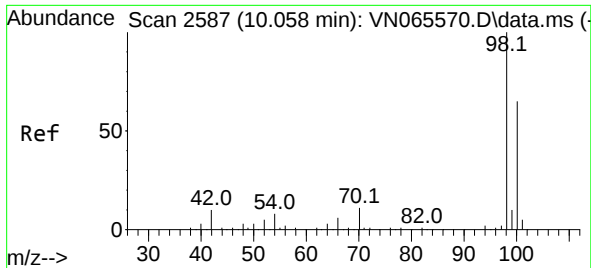


#38

Carbon Tetrachloride  
Concen: 6.70 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.106 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Tgt Ion: 117 Resp: 19463  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.0 114.0#  
121 0.0 24.5 36.7#

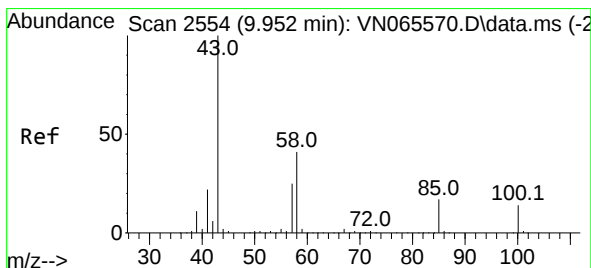
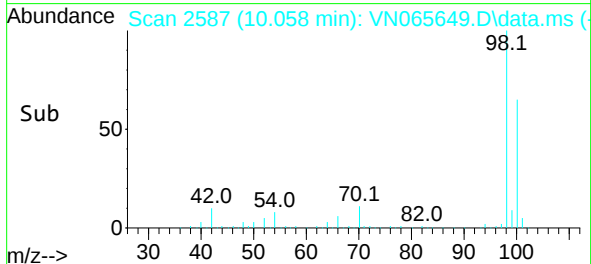
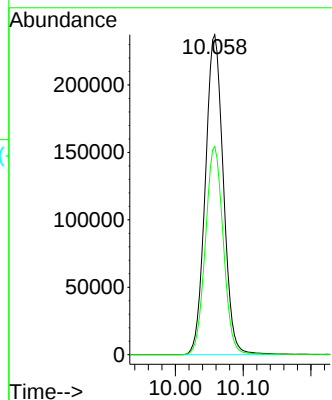
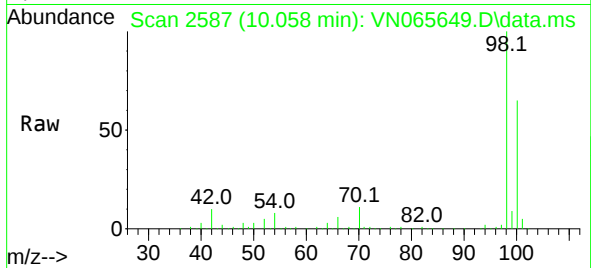




#50  
Toluene-d8  
Concen: 53.57 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

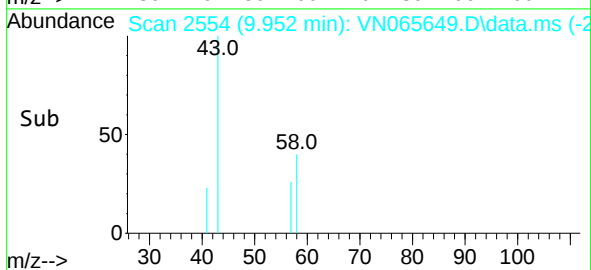
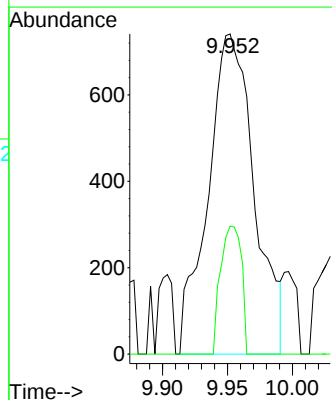
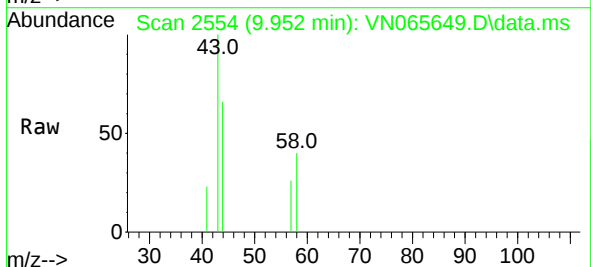
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

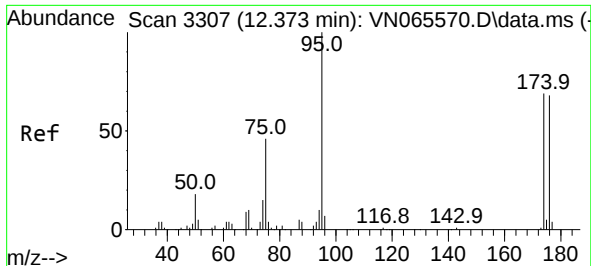
Tgt Ion: 98 Resp: 437522  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.56 ug/l  
RT: 9.952 min Scan# 2554  
Delta R.T. -0.000 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Tgt Ion: 43 Resp: 1839  
Ion Ratio Lower Upper  
43 100  
58 17.9 32.5 48.7#

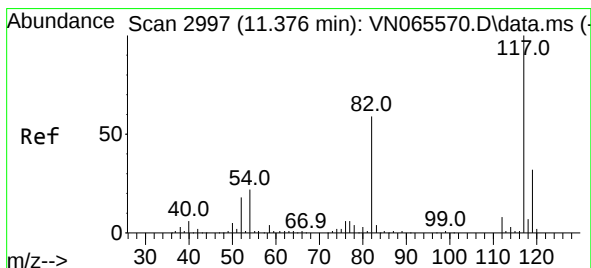
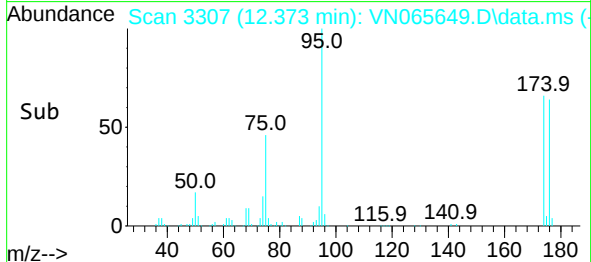
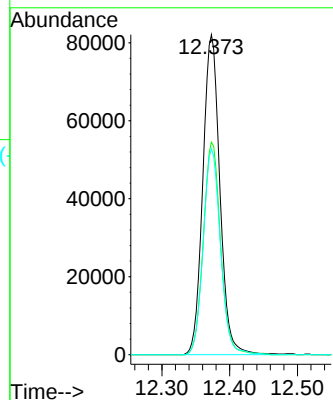
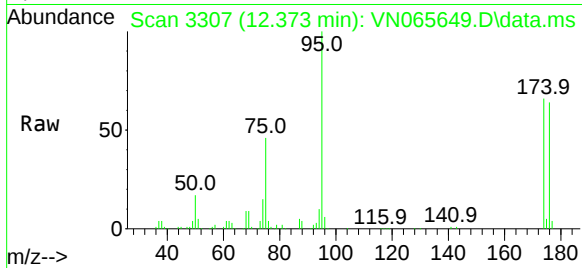




#62  
4-Bromofluorobenzene  
Concen: 48.91 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

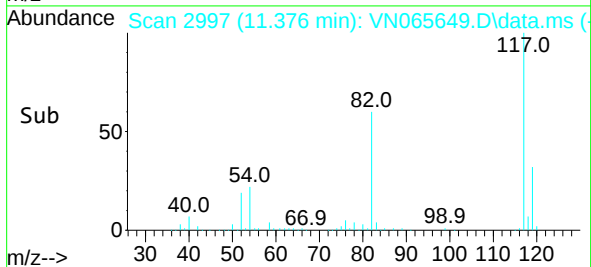
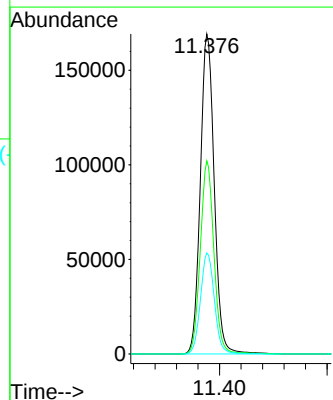
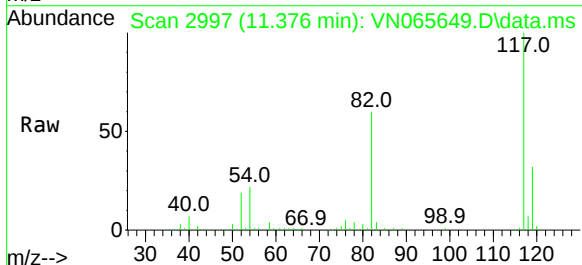
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

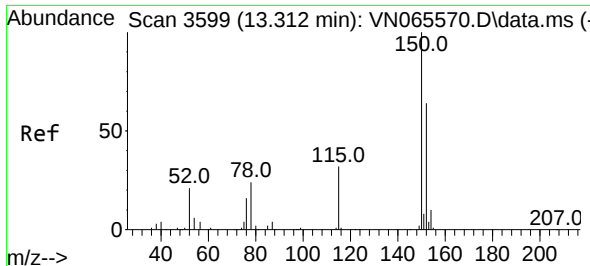
Tgt Ion: 95 Resp: 143849  
Ion Ratio Lower Upper  
95 100  
174 67.1 0.0 169.0  
176 65.1 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

Tgt Ion: 117 Resp: 304248  
Ion Ratio Lower Upper  
117 100  
82 60.3 43.7 65.5  
119 31.5 26.1 39.1

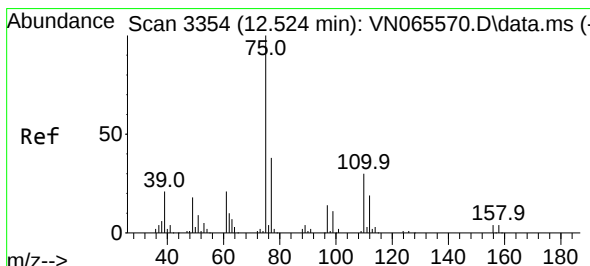
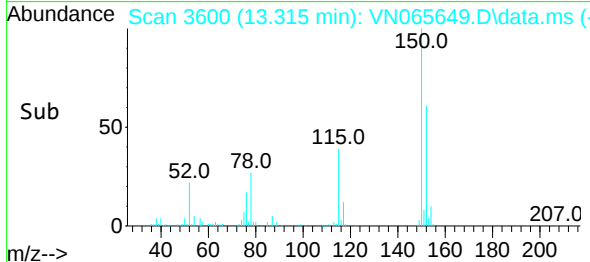
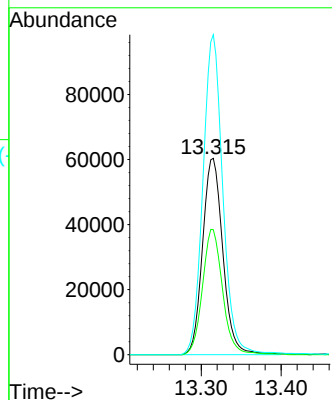
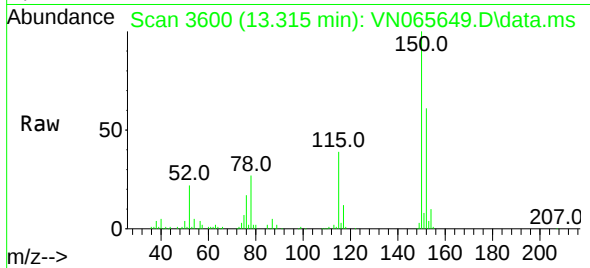




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

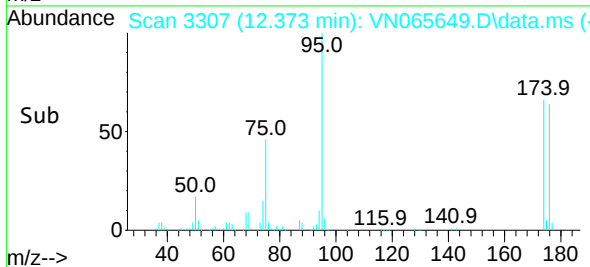
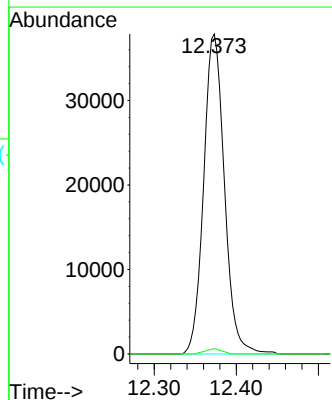
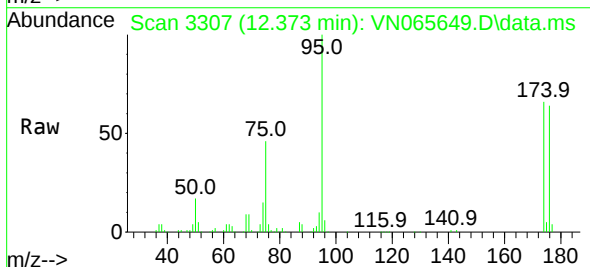
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134373ZHE#12

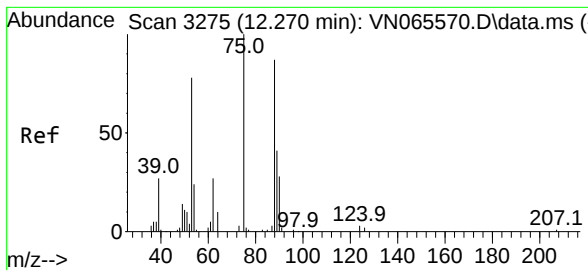
Tgt Ion:152 Resp: 106855  
Ion Ratio Lower Upper  
152 100  
115 63.2 28.5 85.6  
150 159.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 23.82 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065649.D  
Acq: 28 Jan 2021 15:03

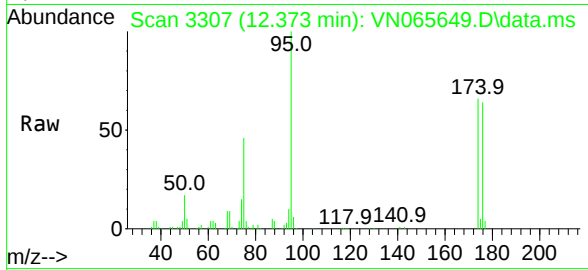
Tgt Ion: 75 Resp: 66547  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.00 ug/l  
 RT: 12.373 min Scan# 3307  
 Delta R.T. 0.103 min  
 Lab File: VN065649.D  
 Acq: 28 Jan 2021 15:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB134373ZHE#12



Tgt Ion: 75 Resp: 66547  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.6 111.8#  
 89 0.0 35.8 53.8#

