

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
 Data File : VN066865.D  
 Acq On : 29 Apr 2021 16:27  
 Operator : JC/MD  
 Sample : M2138-16  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 30 06:15:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 2021  
 Response via : Initial Calibration

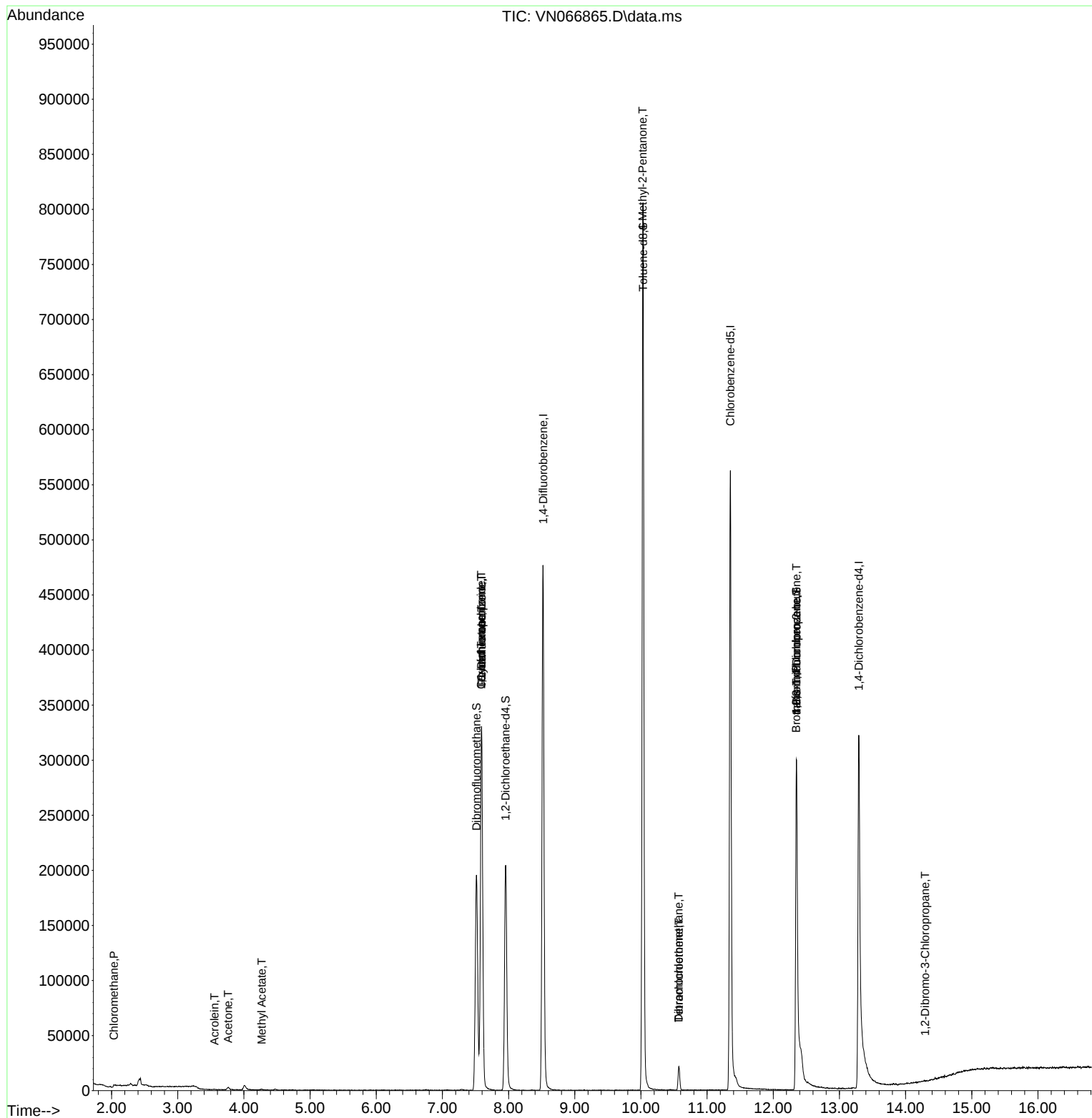
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.594  | 168   | 300939   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.522  | 114   | 454408   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.351 | 117   | 389988   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.293 | 152   | 154498   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.956  | 65    | 178407   | 46.14    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 92.28%   |
| 35) Dibromofluoromethane      | 7.516  | 113   | 158661   | 56.56    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 113.12%  |
| 50) Toluene-d8                | 10.032 | 98    | 578889   | 52.58    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 105.16%  |
| 62) 4-Bromofluorobenzene      | 12.349 | 95    | 157821   | 42.37    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 84.74%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.034  | 50    | 892      | 0.21     | ug/l   | 93       |
| 13) Acrolein                  | 3.555  | 56    | 266      | 0.53     | ug/l # | 54       |
| 16) Acetone                   | 3.761  | 43    | 3475     | 2.38     | ug/l   | 95       |
| 18) Methyl Acetate            | 4.271  | 43    | 1756     | 1.55     | ug/l # | 60       |
| 31) Cyclohexane               | 7.591  | 56    | 4689     | 0.78     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.588  | 75    | 19032    | 4.51     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.588  | 117   | 25009    | 6.18     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.026 | 43    | 1908     | 0.49     | ug/l # | 1        |
| 60) Dibromochloromethane      | 10.571 | 129   | 5077     | 1.54     | ug/l # | 11       |
| 64) Tetrachloroethene         | 10.573 | 164   | 5813     | 2.25     | ug/l   | 97       |
| 71) Bromoform                 | 12.346 | 173   | 919      | 0.43     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.349 | 75    | 62799    | 19.29    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.349 | 75    | 62799    | 53.34    | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.296 | 75    | 204      | 0.31     | ug/l # | 1        |
| -----                         |        |       |          |          |        |          |

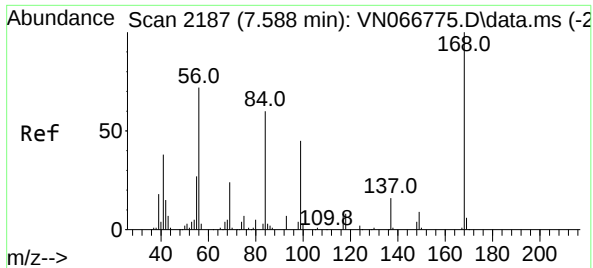
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
Data File : VN066865.D  
Acq On : 29 Apr 2021 16:27  
Operator : JC/MD  
Sample : M2138-16  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Apr 30 06:15:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 27 16:02:50 2021  
Response via : Initial Calibration

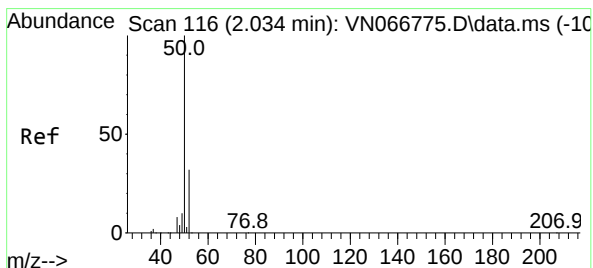
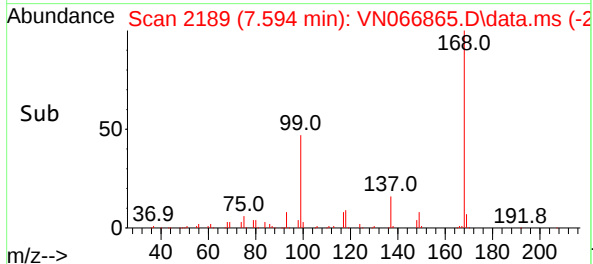
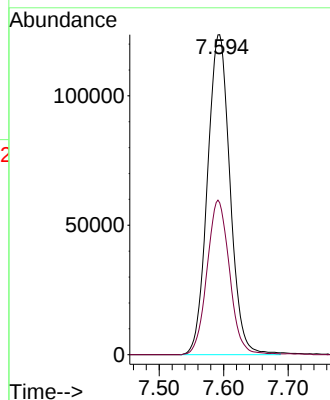
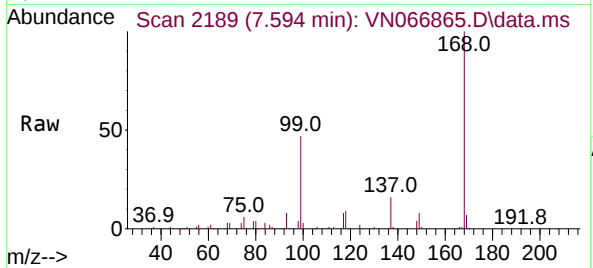




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.594 min Scan# 2189  
Delta R.T. 0.006 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

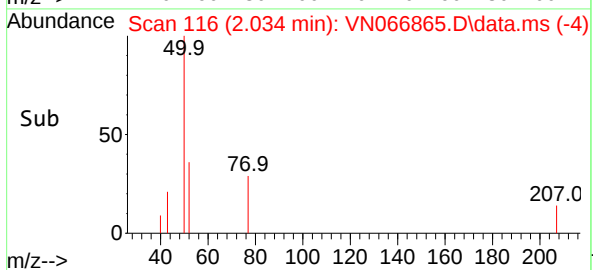
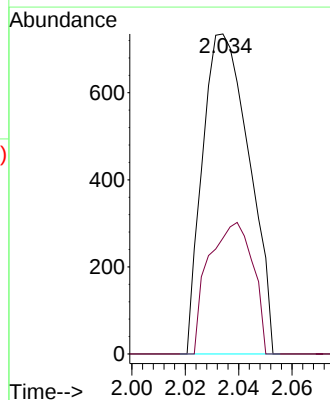
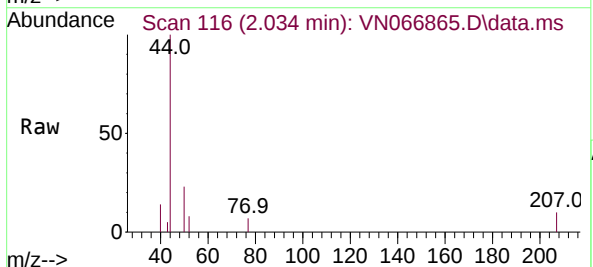
Instrument :  
MSVOA\_N  
ClientSampled :

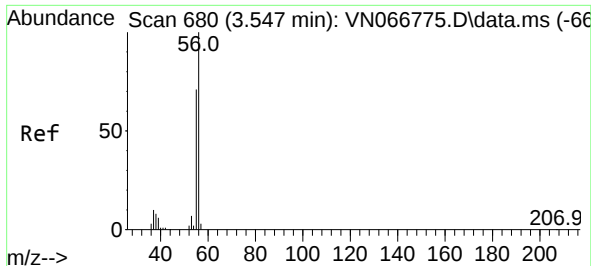
Tgt Ion:168 Resp: 300939  
Ion Ratio Lower Upper  
168 100  
99 47.4 42.6 63.8



#3  
Chloromethane  
Concen: 0.21 ug/l  
RT: 2.034 min Scan# 116  
Delta R.T. 0.000 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

Tgt Ion: 50 Resp: 892  
Ion Ratio Lower Upper  
50 100  
52 36.2 25.8 38.8

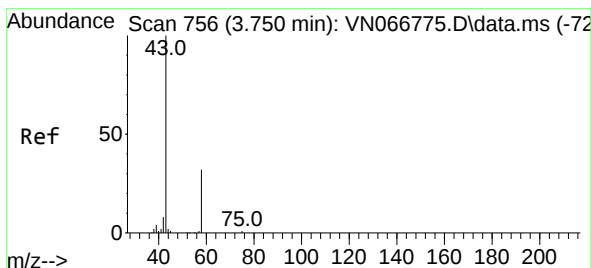
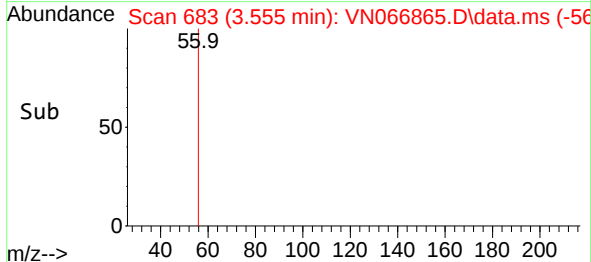
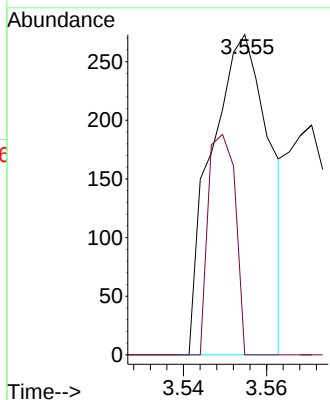
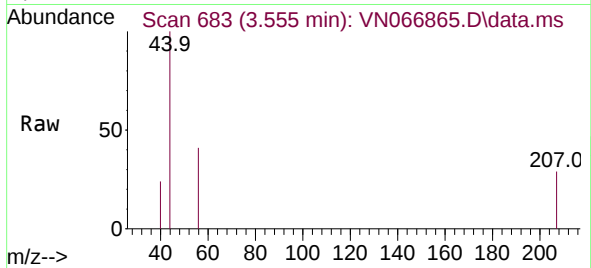




#13  
Acrolein  
Concen: 0.53 ug/l  
RT: 3.555 min Scan# 683  
Delta R.T. 0.008 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

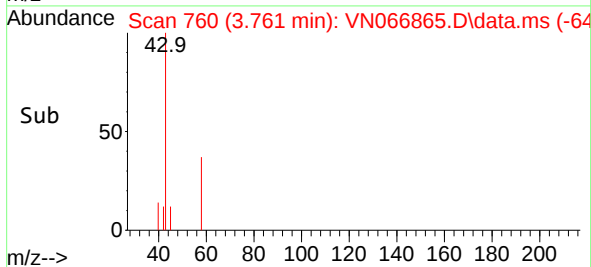
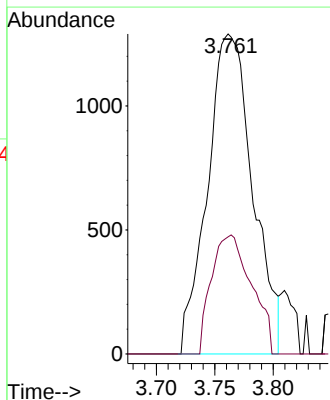
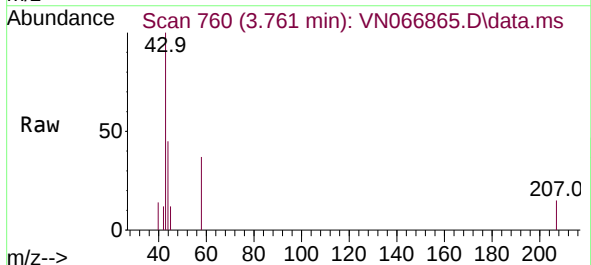
Instrument :  
MSVOA\_N  
ClientSampled :

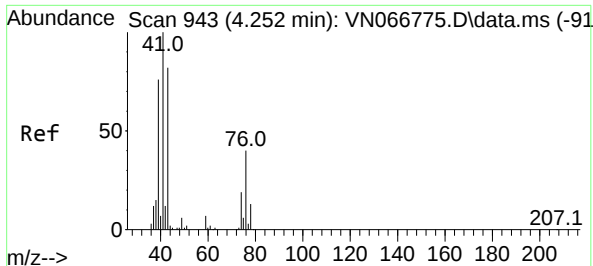
Tgt Ion: 56 Resp: 266  
Ion Ratio Lower Upper  
56 100  
55 32.0 56.0 84.0#



#16  
Acetone  
Concen: 2.38 ug/l  
RT: 3.761 min Scan# 760  
Delta R.T. 0.011 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

Tgt Ion: 43 Resp: 3475  
Ion Ratio Lower Upper  
43 100  
58 36.6 27.0 40.6





#18

Methyl Acetate

Concen: 1.55 ug/l

RT: 4.271 min Scan# 950

Delta R.T. 0.019 min

Lab File: VN066865.D

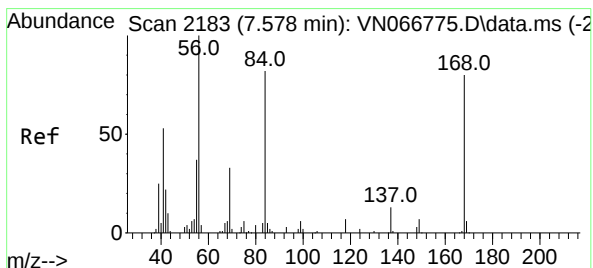
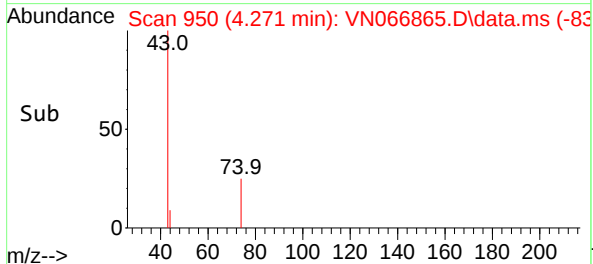
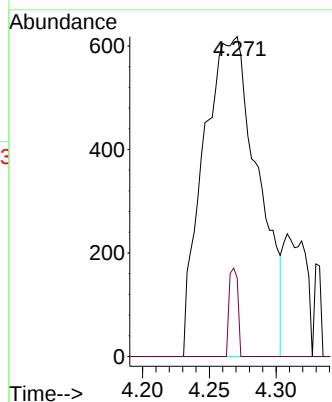
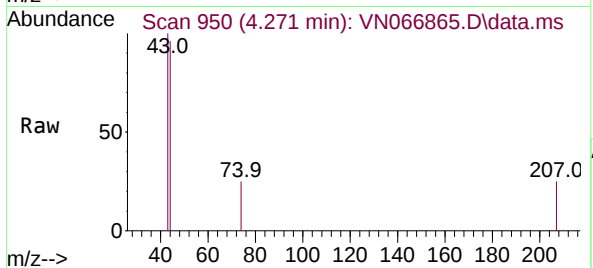
Acq: 29 Apr 2021 16:27

Tgt Ion: 43 Resp: 1756

Ion Ratio Lower Upper

43 100

74 4.4 19.5 29.3#



#31

Cyclohexane

Concen: 0.78 ug/l

RT: 7.591 min Scan# 2188

Delta R.T. 0.013 min

Lab File: VN066865.D

Acq: 29 Apr 2021 16:27

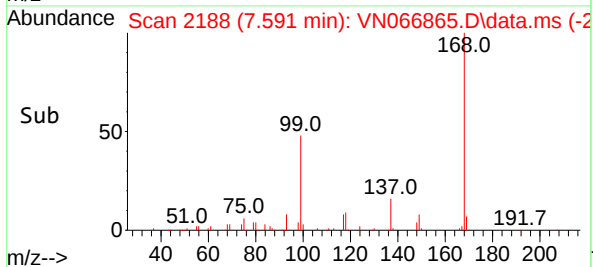
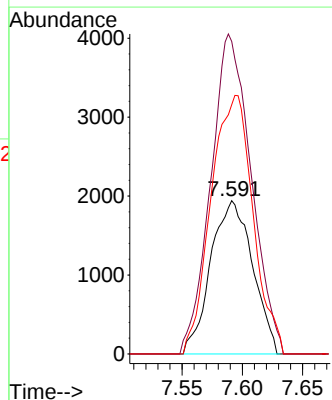
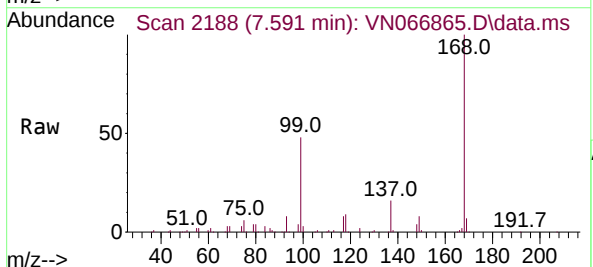
Tgt Ion: 56 Resp: 4689

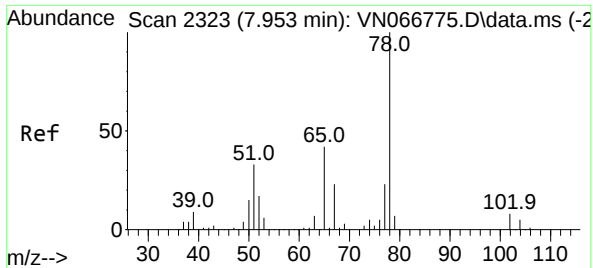
Ion Ratio Lower Upper

56 100

69 203.9 26.6 39.8#

84 162.7 70.4 105.6#

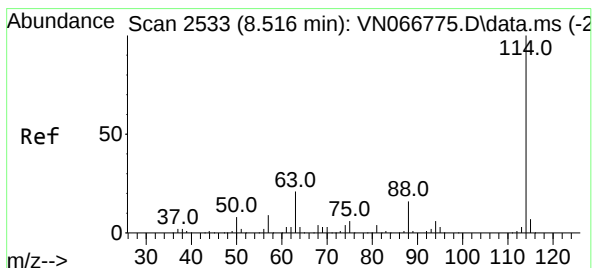
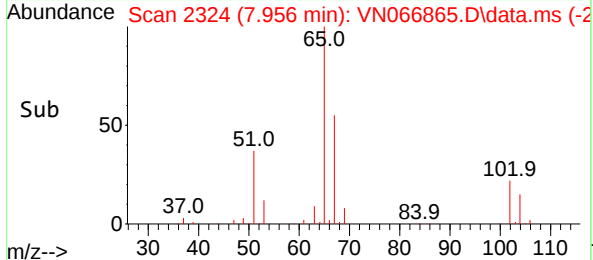
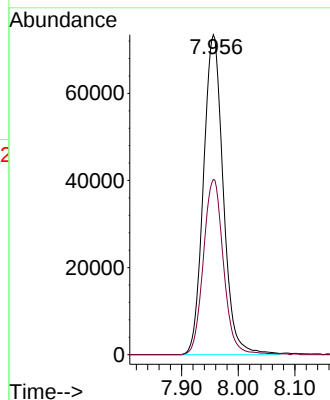
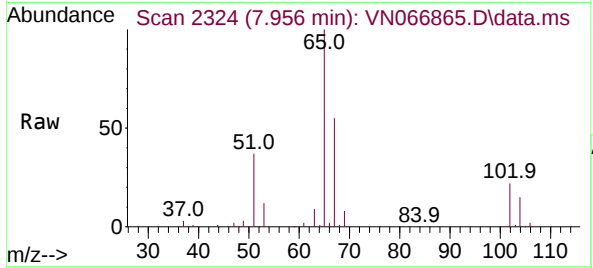




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.14 ug/l  
 RT: 7.956 min Scan# 2324  
 Delta R.T. 0.003 min  
 Lab File: VN066865.D  
 Acq: 29 Apr 2021 16:27

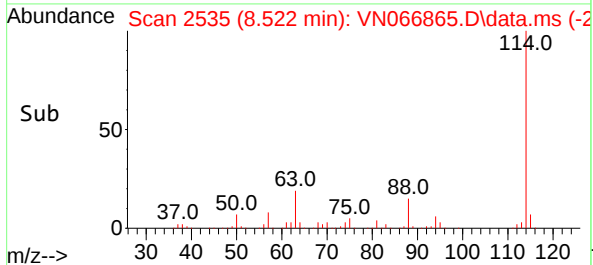
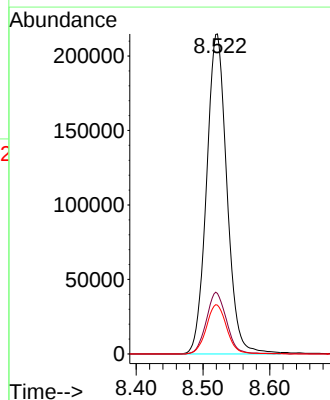
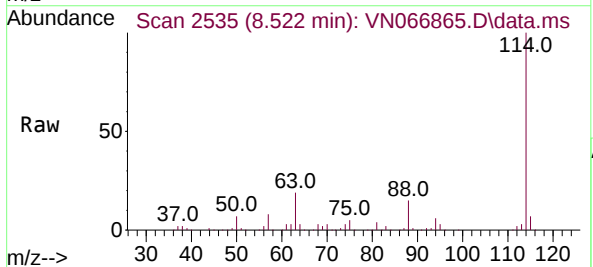
Instrument :  
 MSVOA\_N  
 ClientSampled :

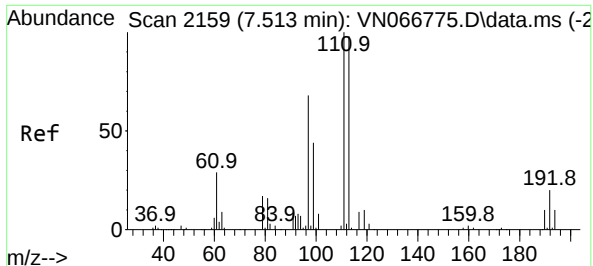
Tgt Ion: 65 Resp: 178407  
 Ion Ratio Lower Upper  
 65 100  
 67 55.6 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.522 min Scan# 2535  
 Delta R.T. 0.006 min  
 Lab File: VN066865.D  
 Acq: 29 Apr 2021 16:27

Tgt Ion: 114 Resp: 454408  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 38.6  
 88 15.3 0.0 30.6

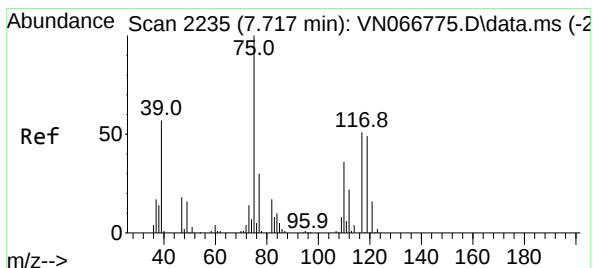
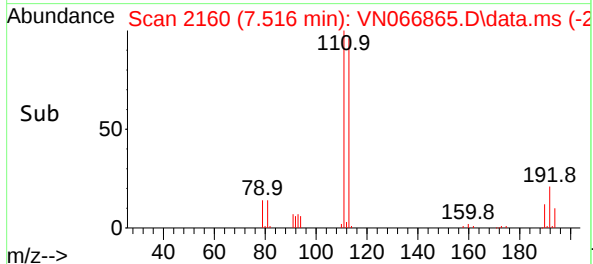
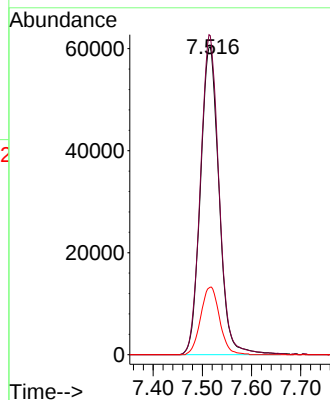
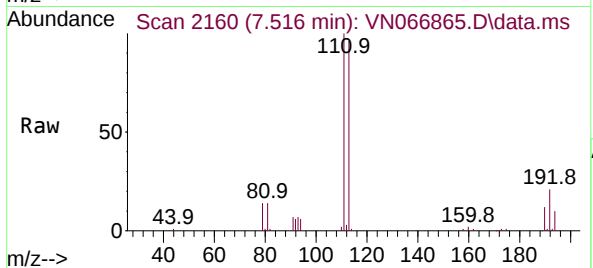




#35  
Dibromofluoromethane  
Concen: 56.56 ug/l  
RT: 7.516 min Scan# 2160  
Delta R.T. 0.003 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

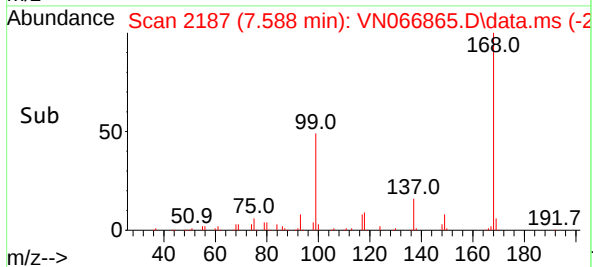
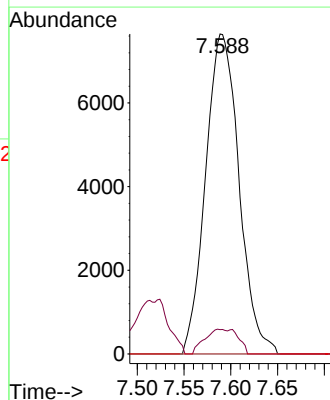
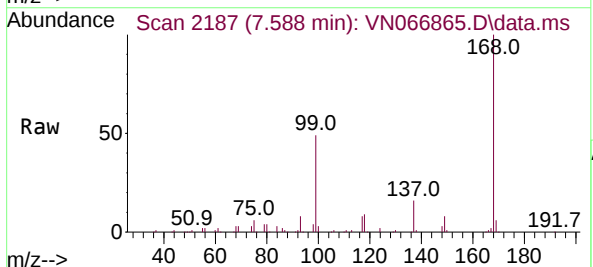
Instrument :  
MSVOA\_N  
ClientSampleId :

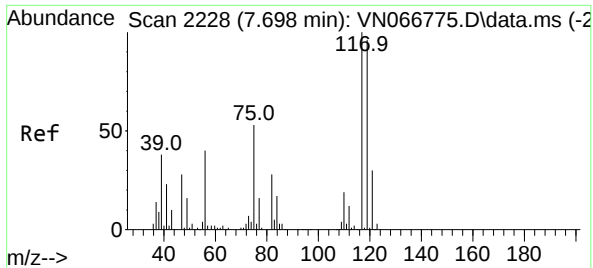
Tgt Ion:113 Resp: 158661  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.2 123.2  
192 22.3 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 4.51 ug/l  
RT: 7.588 min Scan# 2187  
Delta R.T. -0.129 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

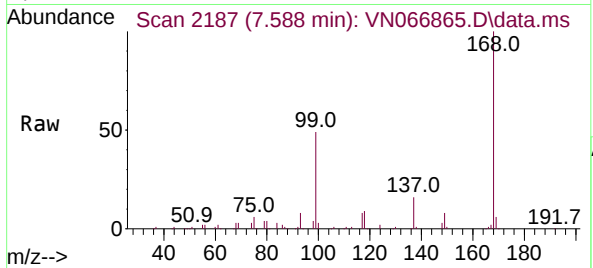
Tgt Ion: 75 Resp: 19032  
Ion Ratio Lower Upper  
75 100  
110 5.2 18.2 54.6#  
77 0.0 24.9 37.3#



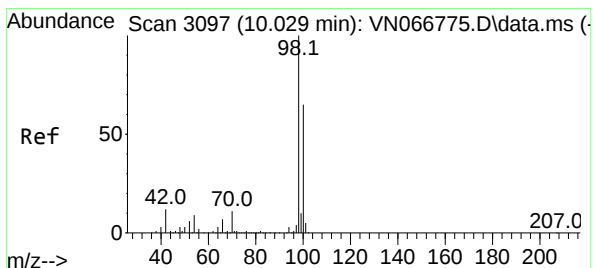
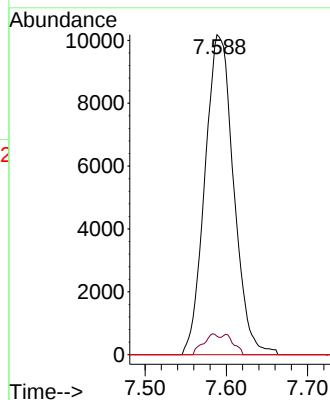
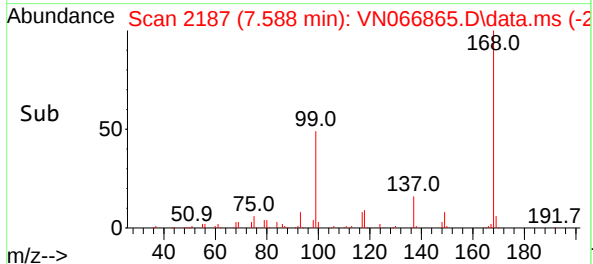


#38  
Carbon Tetrachloride  
Concen: 6.18 ug/l  
RT: 7.588 min Scan# 2187  
Delta R.T. -0.110 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

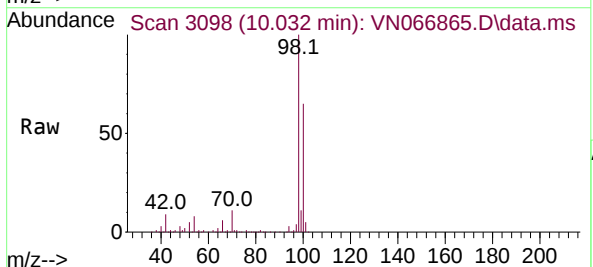
Instrument :  
MSVOA\_N  
ClientSampled :



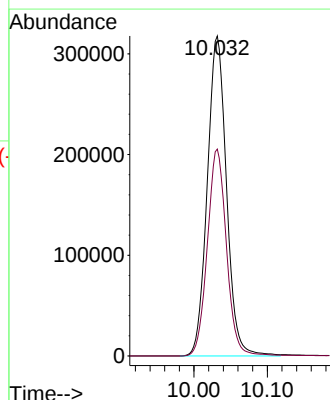
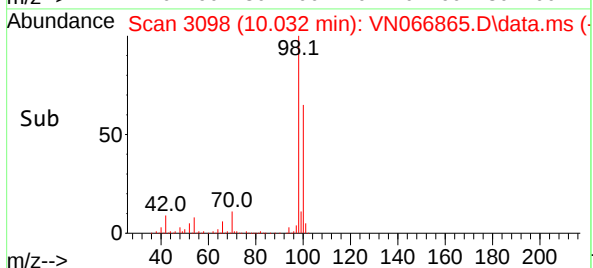
Tgt Ion:117 Resp: 25009  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.0 114.0#  
121 0.0 24.5 36.7#

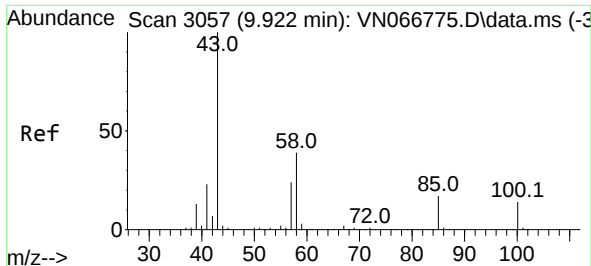


#50  
Toluene-d8  
Concen: 52.58 ug/l  
RT: 10.032 min Scan# 3098  
Delta R.T. 0.003 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27



Tgt Ion: 98 Resp: 578889  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.5 75.7

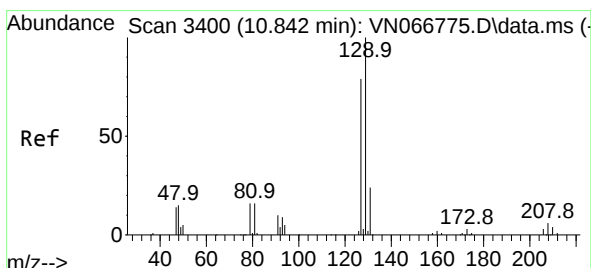
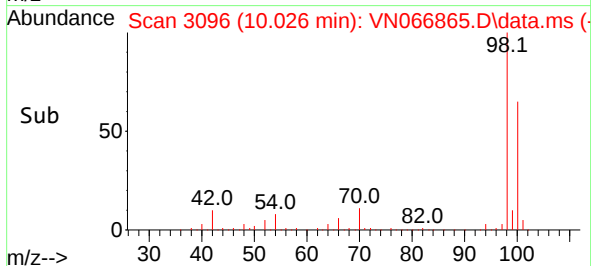
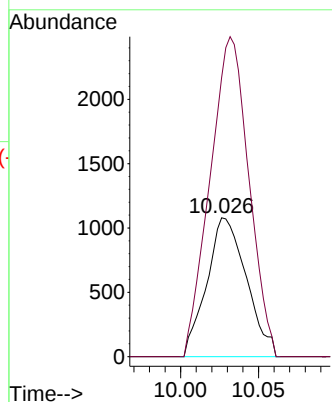
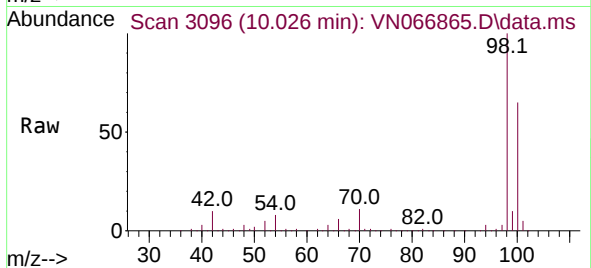




#51  
4-Methyl-2-Pentanone  
Concen: 0.49 ug/l  
RT: 10.026 min Scan# 3096  
Delta R.T. 0.104 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

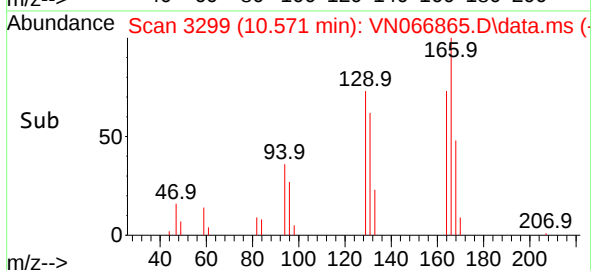
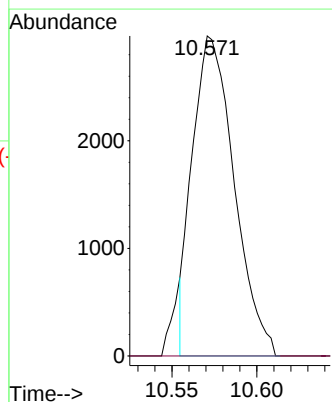
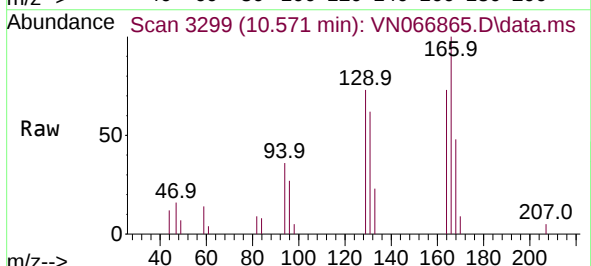
Instrument :  
MSVOA\_N  
ClientSampled :

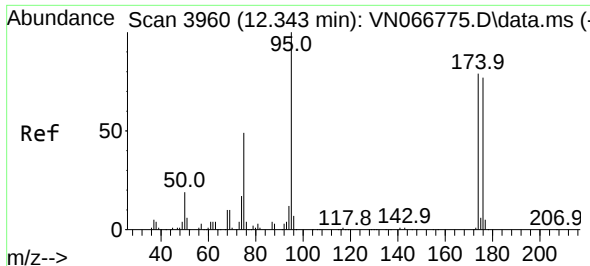
Tgt Ion: 43 Resp: 1908  
Ion Ratio Lower Upper  
43 100  
58 225.9 32.5 48.7#



#60  
Dibromochloromethane  
Concen: 1.54 ug/l  
RT: 10.571 min Scan# 3299  
Delta R.T. -0.271 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

Tgt Ion: 129 Resp: 5077  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#

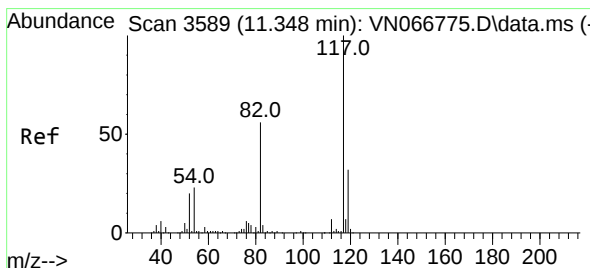
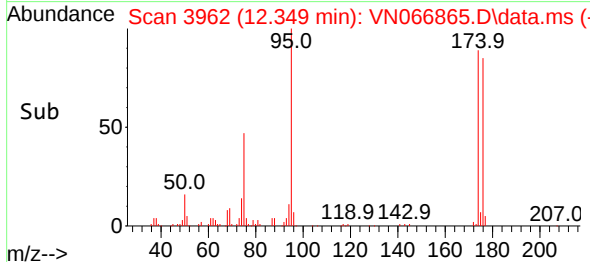
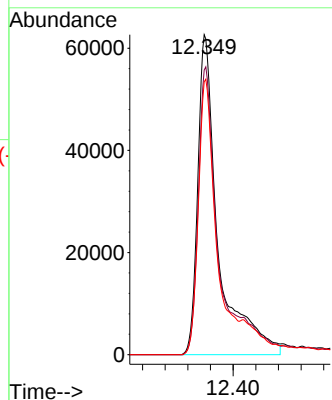
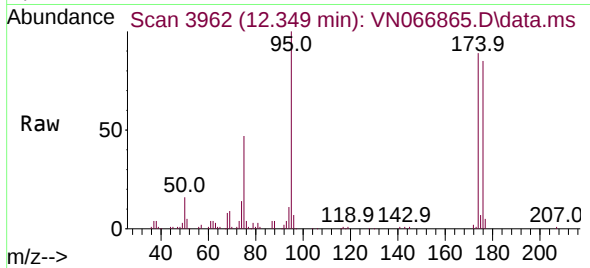




#62  
4-Bromofluorobenzene  
Concen: 42.37 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.006 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

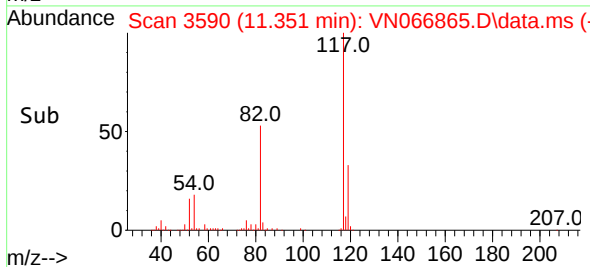
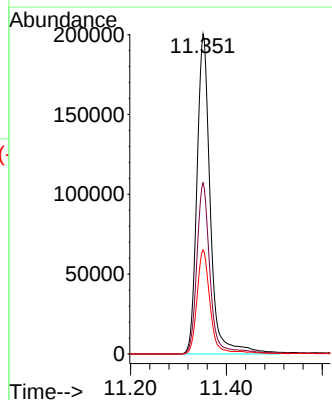
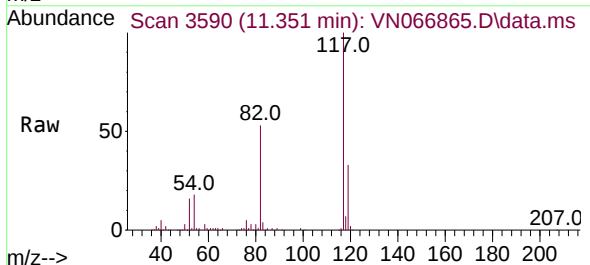
Instrument :  
MSVOA\_N  
ClientSampleId :

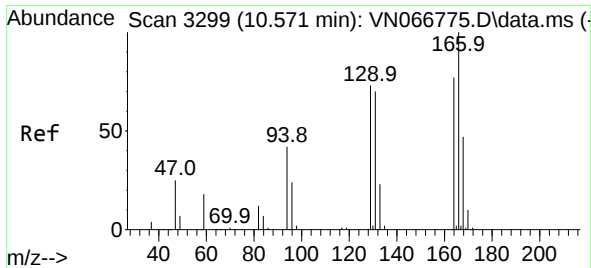
Tgt Ion: 95 Resp: 157821  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 169.0  
176 73.8 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.351 min Scan# 3590  
Delta R.T. 0.003 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

Tgt Ion: 117 Resp: 389988  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.7 65.5  
119 32.5 26.1 39.1

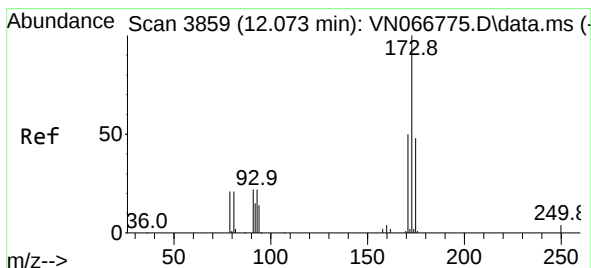
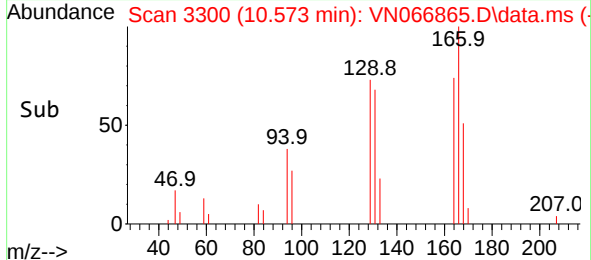
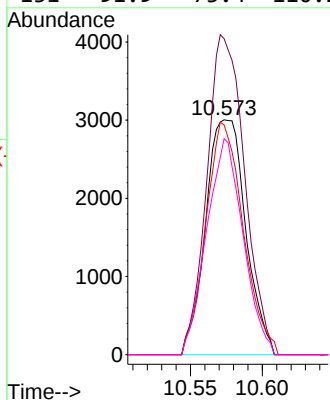
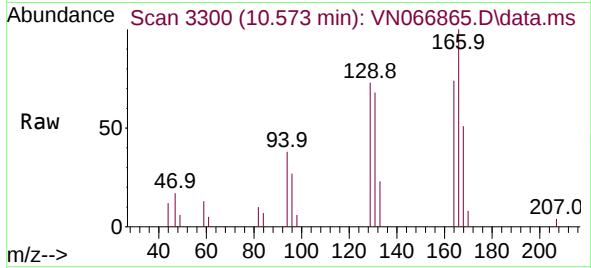




#64  
Tetrachloroethene  
Concen: 2.25 ug/l  
RT: 10.573 min Scan# 3300  
Delta R.T. 0.002 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

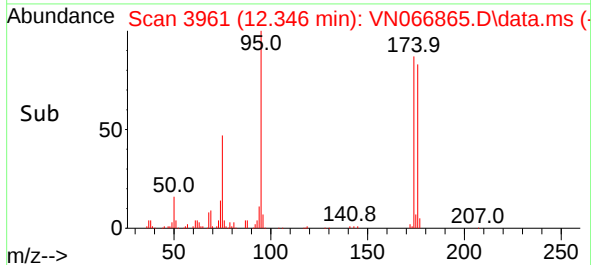
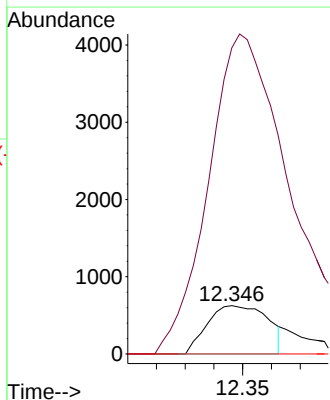
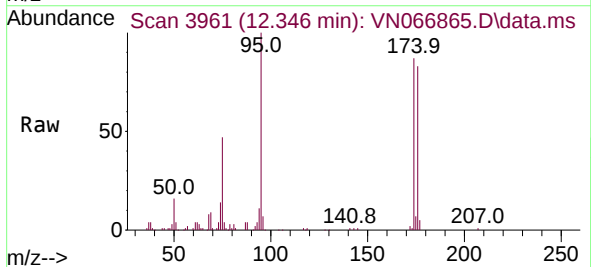
Instrument :  
MSVOA\_N  
ClientSampled :

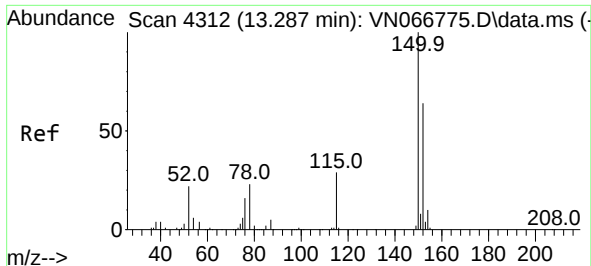
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 5813        |
| Ion Ratio   | Lower | Upper       |
| 164         | 100   |             |
| 166         | 134.5 | 102.6 154.0 |
| 129         | 97.8  | 76.2 114.4  |
| 131         | 91.9  | 73.4 110.2  |



#71  
Bromoform  
Concen: 0.43 ug/l  
RT: 12.346 min Scan# 3961  
Delta R.T. 0.273 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:173 | Resp: | 919        |
| Ion Ratio   | Lower | Upper      |
| 173         | 100   |            |
| 175         | 679.7 | 23.8 71.2# |
| 254         | 0.0   | 0.0 0.0    |

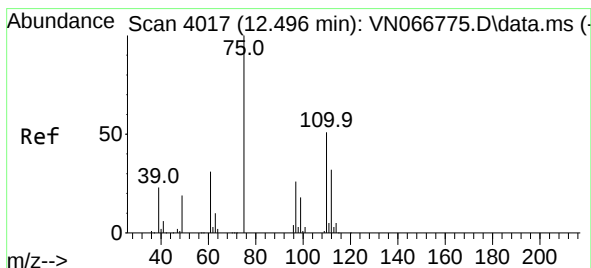
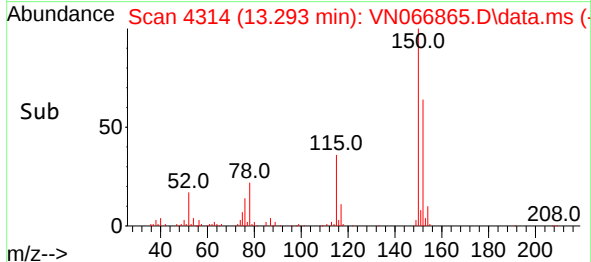
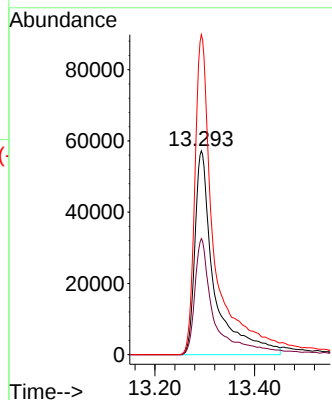
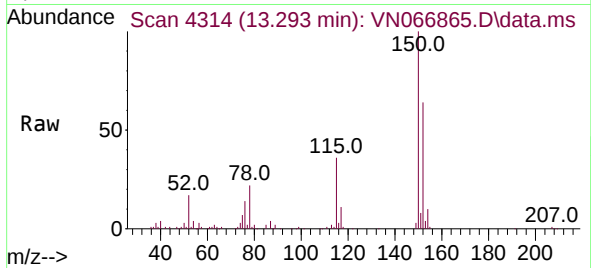




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.293 min Scan# 4314  
Delta R.T. 0.006 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

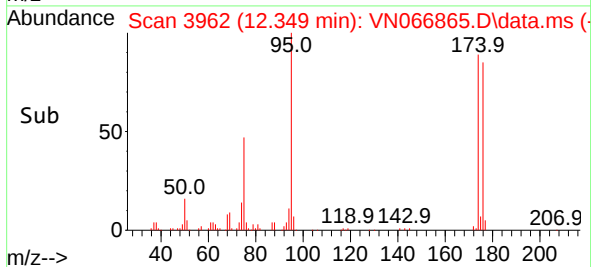
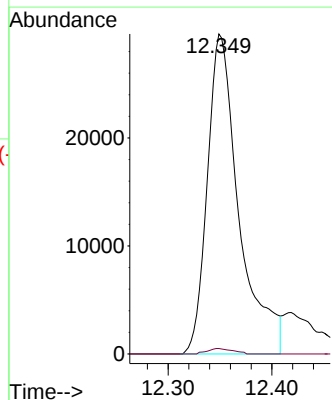
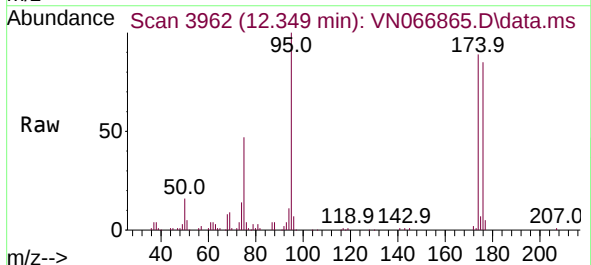
Instrument :  
MSVOA\_N  
ClientSampled :

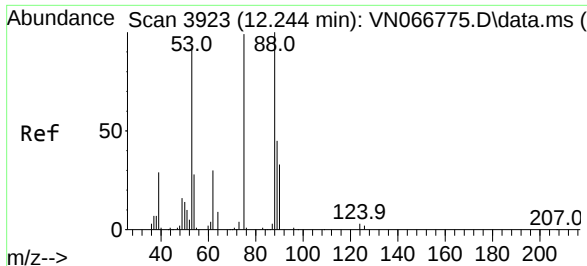
Tgt Ion:152 Resp: 154498  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.5 85.6  
150 156.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 19.29 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. -0.147 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

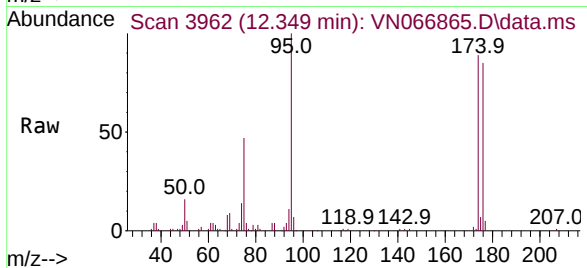
Tgt Ion: 75 Resp: 62799  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



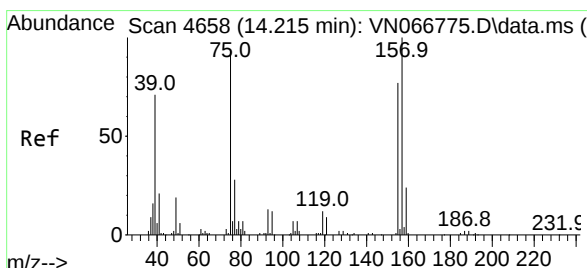
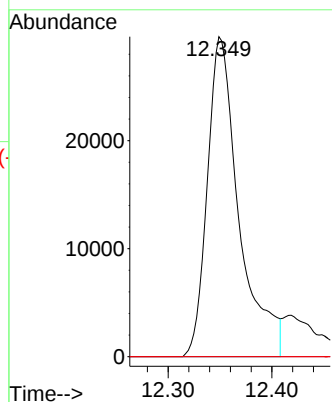
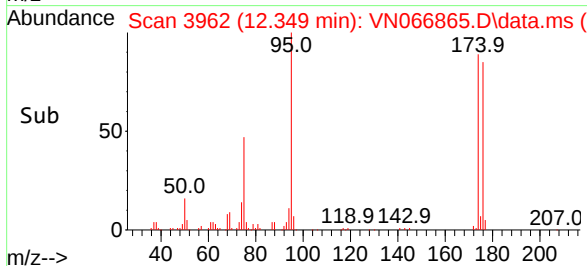


#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.34 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.105 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27

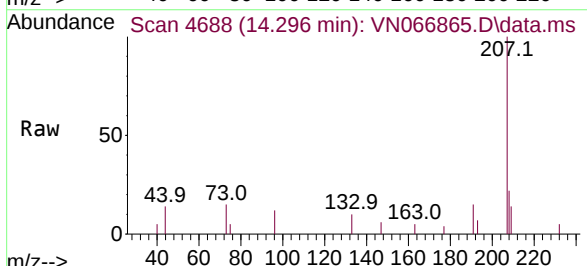
Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 75 Resp: 62799  
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: 0.31 ug/l  
RT: 14.296 min Scan# 4688  
Delta R.T. 0.081 min  
Lab File: VN066865.D  
Acq: 29 Apr 2021 16:27



Tgt Ion: 75 Resp: 204  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.1 132.4#  
157 0.0 56.0 168.2#

