

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101821\  
 Data File : VN069003.D  
 Acq On : 19 Oct 2021 2:04  
 Operator : JC/MD  
 Sample : PB139931TB  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 19 09:59:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

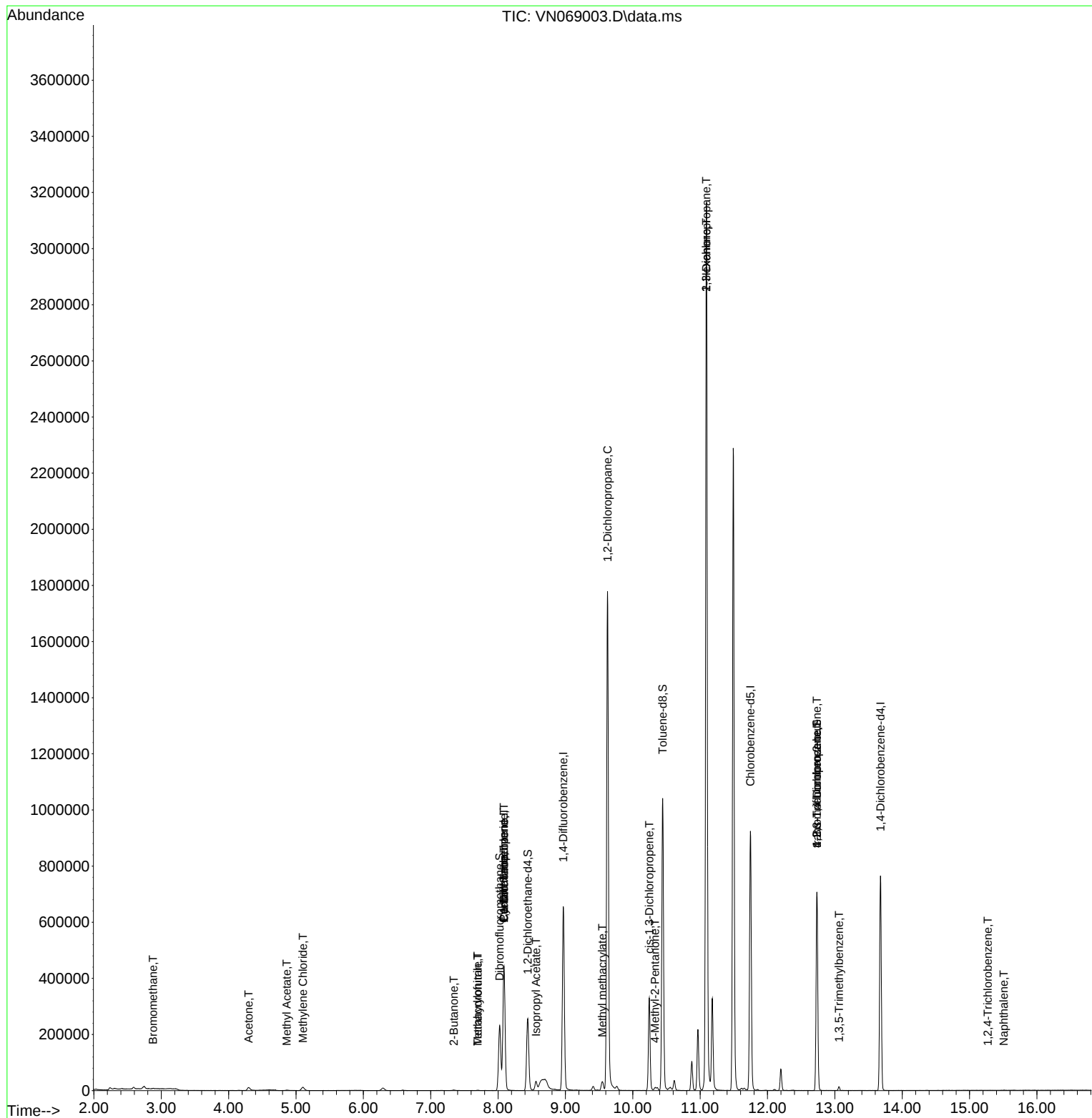
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 335477     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.968          | 114  | 586774     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746         | 117  | 556382     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.677         | 152  | 208541     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 218210     | 49.334   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 98.660%  |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 171449     | 50.221   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 100.440% |        |          |
| 50) Toluene-d8                | 10.443         | 98   | 732543     | 53.628   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 107.260% |        |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 257185     | 49.904   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 99.800%  |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 5) Bromomethane               | 2.877          | 94   | 650        | 0.284    | ug/l   | 99       |
| 16) Acetone                   | 4.296          | 43   | 20563      | 12.458   | ug/l   | 100      |
| 18) Methyl Acetate            | 4.865          | 43   | 3876       | 0.619    | ug/l # | 60       |
| 20) Methylene Chloride        | 5.103          | 84   | 9493       | 2.499    | ug/l   | 95       |
| 25) 2-Butanone                | 7.343          | 43   | 3937       | 1.577    | ug/l   | 93       |
| 29) Tetrahydrofuran           | 7.697          | 42   | 902        | 0.557    | ug/l # | 58       |
| 31) Cyclohexane               | 8.086          | 56   | 7438       | 1.082    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 27741      | 5.535    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.088          | 117  | 34135      | 6.201    | ug/l # | 16       |
| 41) Methacrylonitrile         | 7.697          | 41   | 627        | 0.240    | ug/l # | 21       |
| 43) Isopropyl Acetate         | 8.563          | 43   | 38827      | 4.251    | ug/l # | 90       |
| 45) 1,2-Dichloropropane       | 9.628          | 63   | 1997       | 0.504    | ug/l # | 43       |
| 48) Methyl methacrylate       | 9.547          | 41   | 8363       | 1.949    | ug/l # | 13       |
| 51) 4-Methyl-2-Pentanone      | 10.330         | 43   | 4965       | 0.938    | ug/l # | 78       |
| 54) cis-1,3-Dichloropropene   | 10.245         | 75   | 63312      | 9.590    | ug/l # | 58       |
| 57) 1,3-Dichloropropane       | 11.092         | 76   | 34511      | 5.406    | ug/l # | 43       |
| 59) 2-Hexanone                | 11.092         | 43   | 492458     | 129.671  | ug/l # | 50       |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 134471     | 30.306   | ug/l # | 1        |
| 80) 1,3,5-Trimethylbenzene    | 13.063         | 105  | 7433       | 0.514    | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 134471     | 72.505   | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 15.271         | 180  | 52         | 2.616    | ug/l # | 35       |
| 95) Naphthalene               | 15.507         | 128  | 1012       | 3.908    | ug/l # | 69       |
| -----                         |                |      |            |          |        |          |

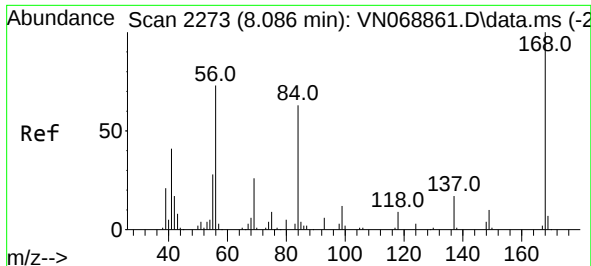
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101821\  
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Quant Title : SW846 8260  
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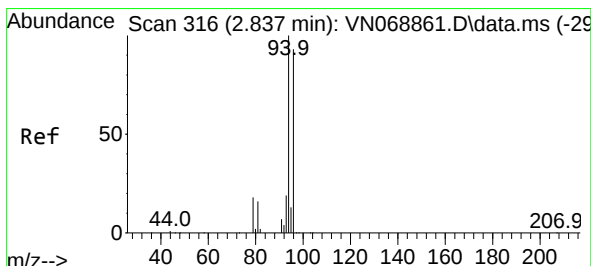
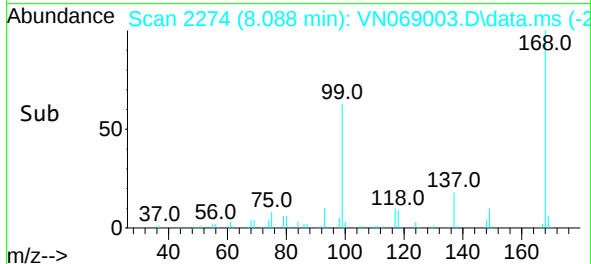
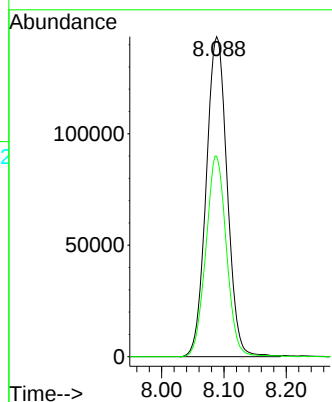
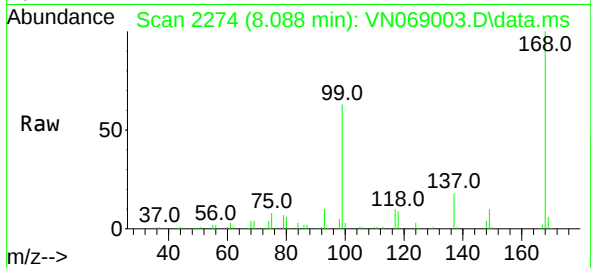




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

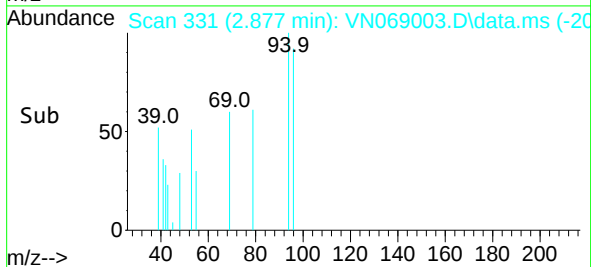
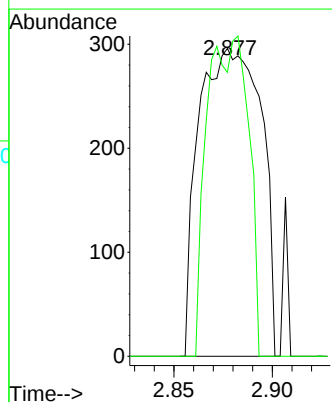
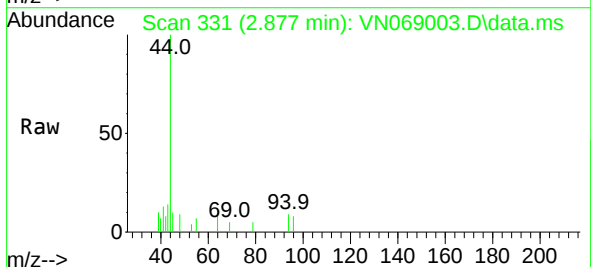
Instrument :  
MSVOA\_N  
ClientSampled :

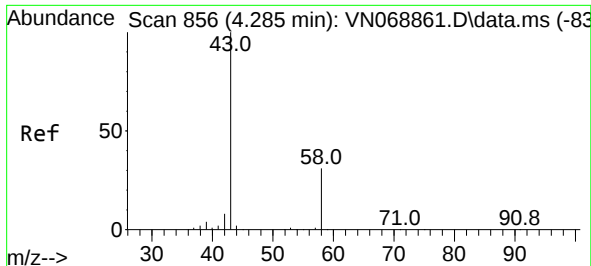
Tgt Ion:168 Resp: 335477  
Ion Ratio Lower Upper  
168 100  
99 62.6 48.9 73.3



#5  
Bromomethane  
Concen: 0.284 ug/l  
RT: 2.877 min Scan# 331  
Delta R.T. 0.040 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 94 Resp: 650  
Ion Ratio Lower Upper  
94 100  
96 92.2 74.2 111.4

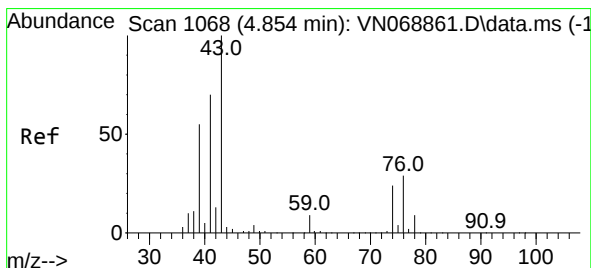
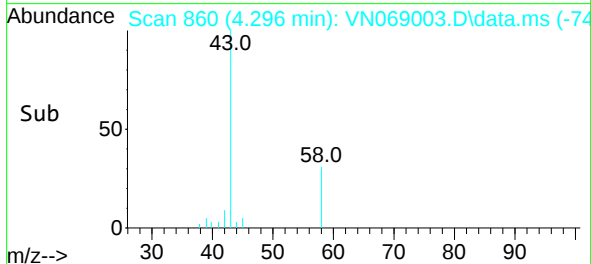
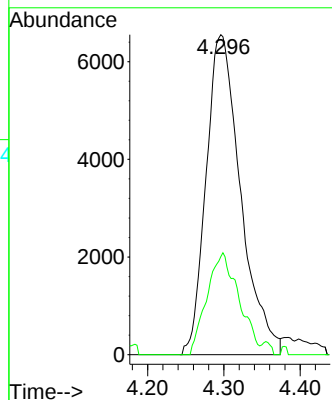
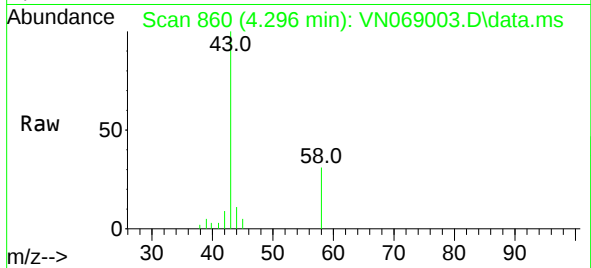




#16  
Acetone  
Concen: 12.458 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.011 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

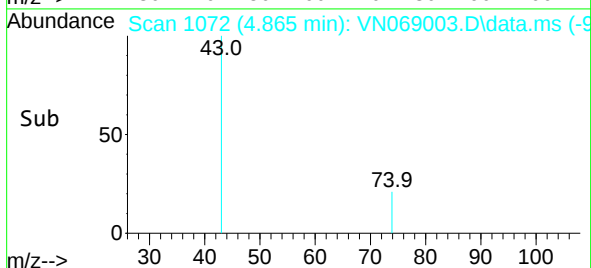
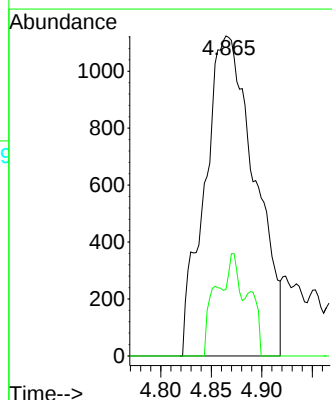
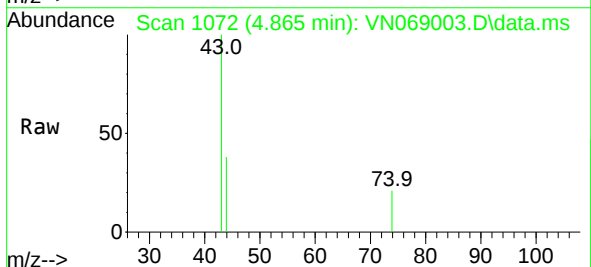
Instrument :  
MSVOA\_N  
ClientSampled :

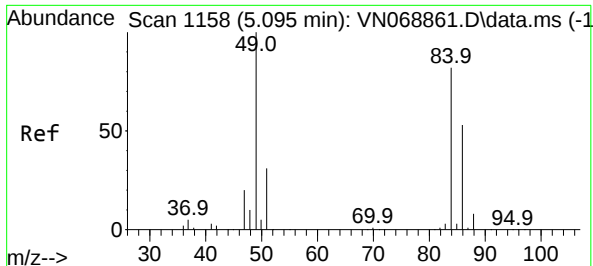
Tgt Ion: 43 Resp: 20563  
Ion Ratio Lower Upper  
43 100  
58 30.6 24.5 36.7



#18  
Methyl Acetate  
Concen: 0.619 ug/l  
RT: 4.865 min Scan# 1072  
Delta R.T. 0.011 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 43 Resp: 3876  
Ion Ratio Lower Upper  
43 100  
74 3.8 18.9 28.3#

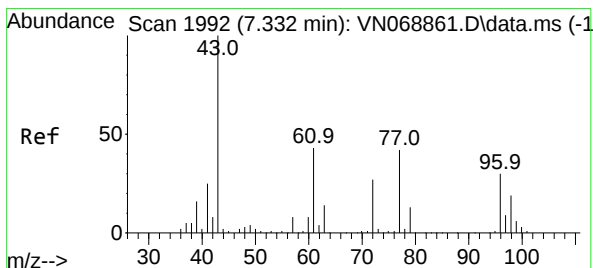
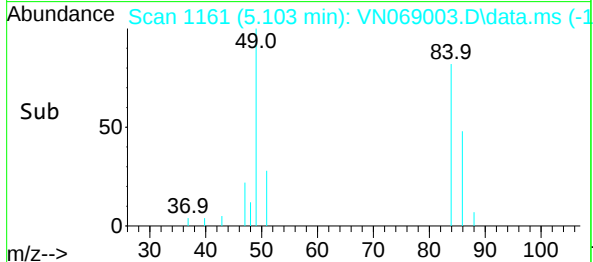
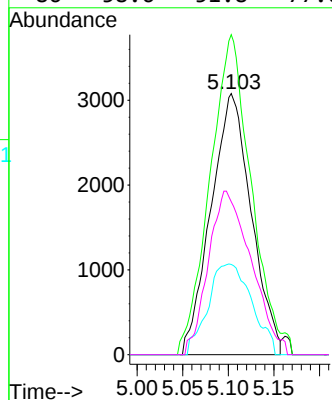
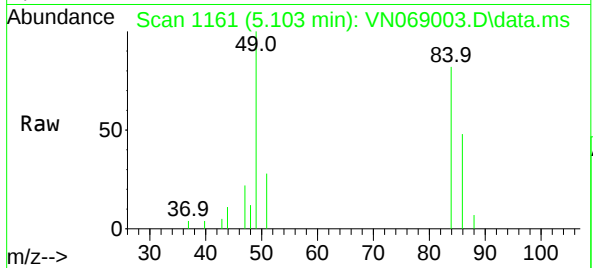




#20  
Methylene Chloride  
Concen: 2.499 ug/l  
RT: 5.103 min Scan# 1161  
Delta R.T. 0.008 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

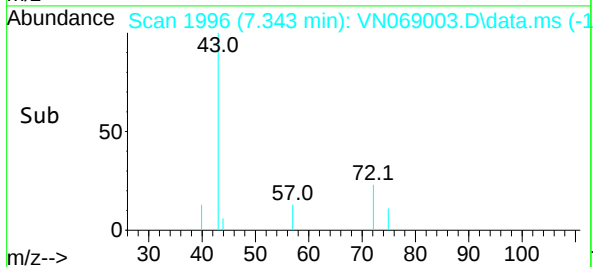
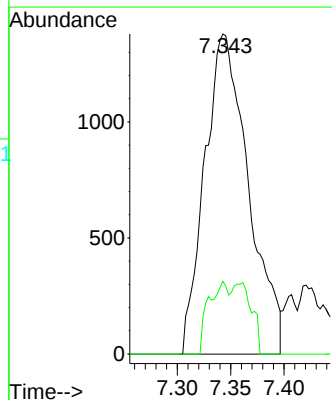
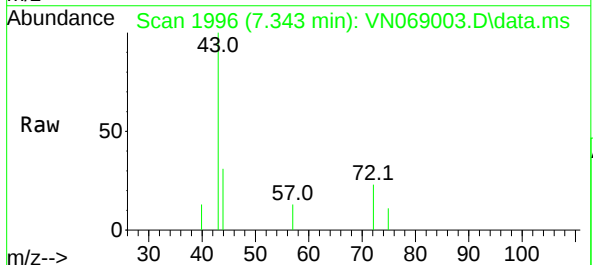
Instrument :  
MSVOA\_N  
ClientSampled :

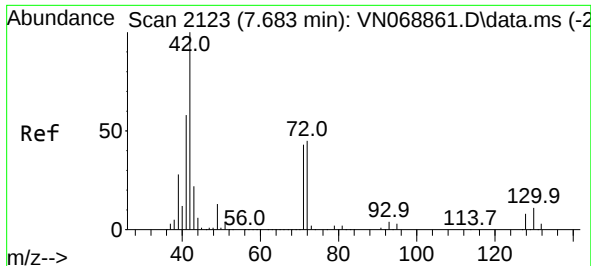
Tgt Ion: 84 Resp: 9493  
Ion Ratio Lower Upper  
84 100  
49 117.4 97.6 146.4  
51 34.6 30.3 45.5  
86 58.6 51.8 77.6



#25  
2-Butanone  
Concen: 1.577 ug/l  
RT: 7.343 min Scan# 1996  
Delta R.T. 0.011 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 43 Resp: 3937  
Ion Ratio Lower Upper  
43 100  
72 22.7 21.2 31.8





#29

Tetrahydrofuran

Concen: 0.557 ug/l

RT: 7.697 min Scan# 2128

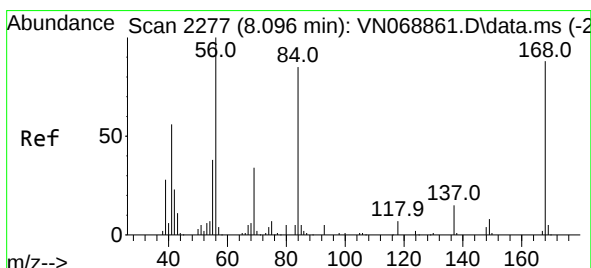
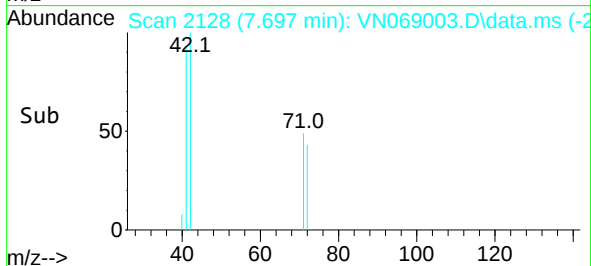
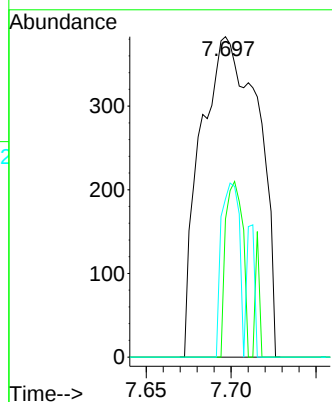
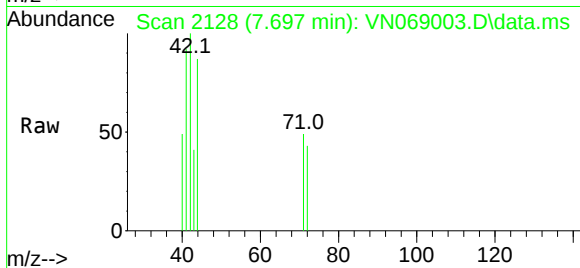
Delta R.T. 0.013 min

Lab File: VN069003.D

Acq: 19 Oct 2021 2:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 902   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 16.3  | 35.4  | 53.2# |
| 71       | 16.7  | 33.8  | 50.6# |

Instrument :  
MSVOA\_N  
ClientSampled :



#31

Cyclohexane

Concen: 1.082 ug/l

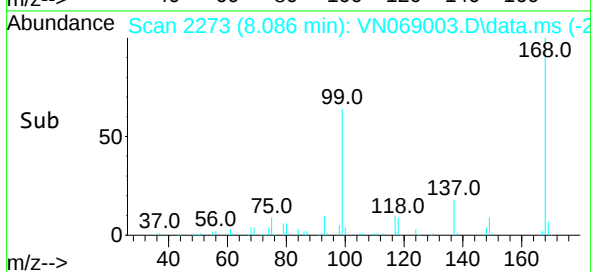
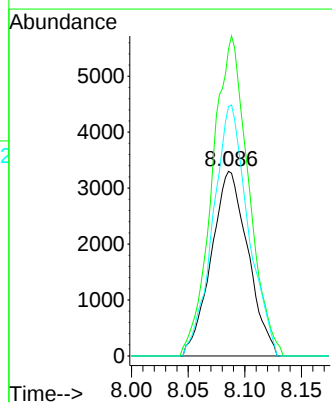
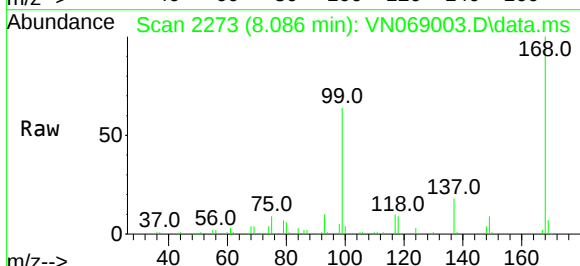
RT: 8.086 min Scan# 2273

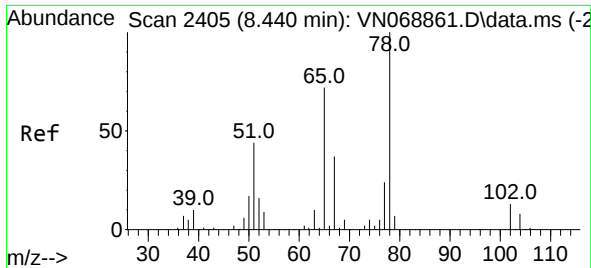
Delta R.T. -0.010 min

Lab File: VN069003.D

Acq: 19 Oct 2021 2:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7438   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 166.2 | 26.9  | 40.3#  |
| 84       | 135.0 | 67.6  | 101.4# |

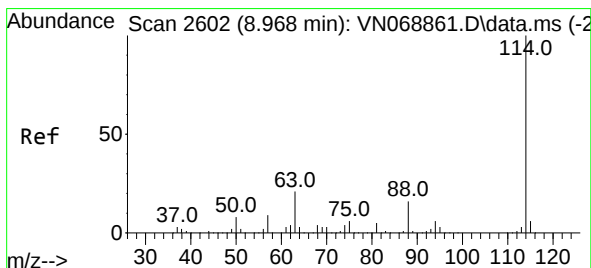
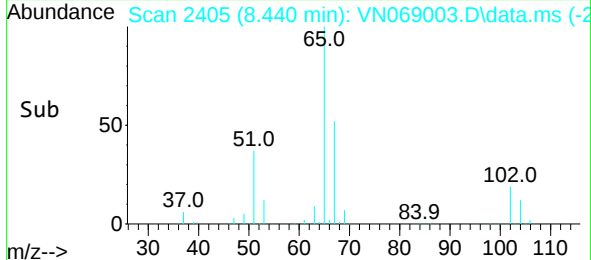
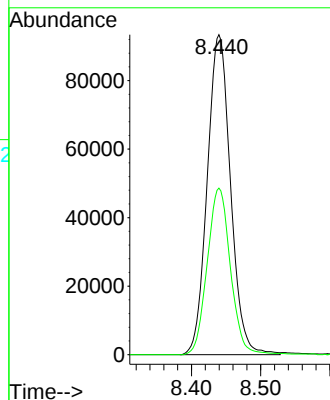
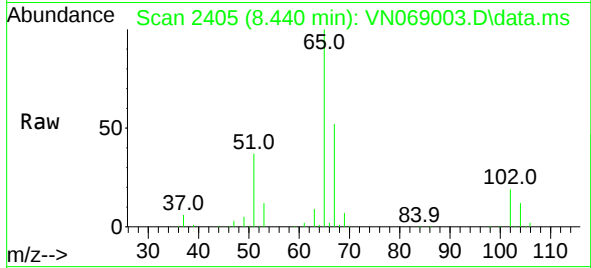




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.334 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. -0.000 min  
 Lab File: VN069003.D  
 Acq: 19 Oct 2021 2:04

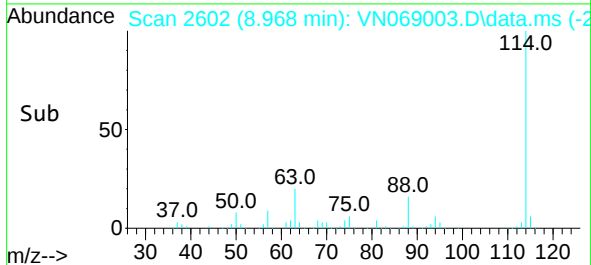
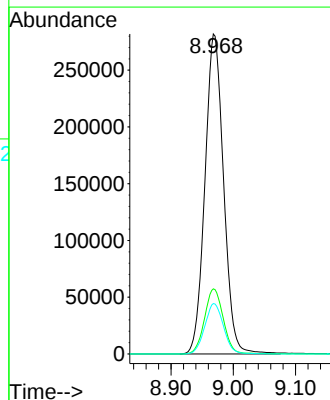
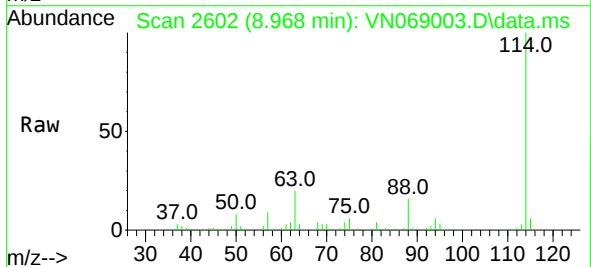
Instrument :  
 MSVOA\_N  
 ClientSampled :

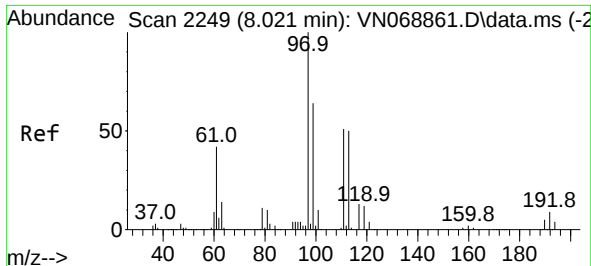
Tgt Ion: 65 Resp: 218210  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.968 min Scan# 2602  
 Delta R.T. -0.000 min  
 Lab File: VN069003.D  
 Acq: 19 Oct 2021 2:04

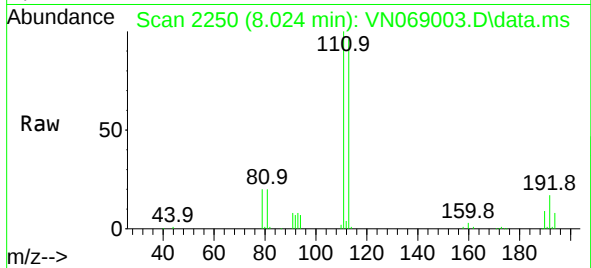
Tgt Ion: 114 Resp: 586774  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 42.6  
 88 15.8 0.0 32.0



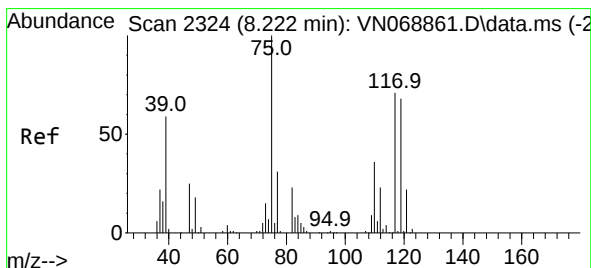
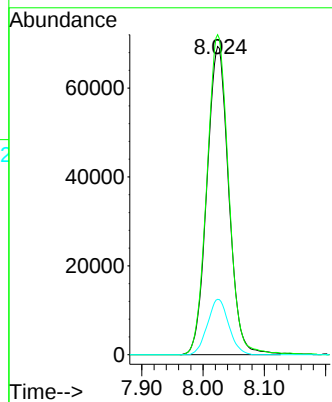
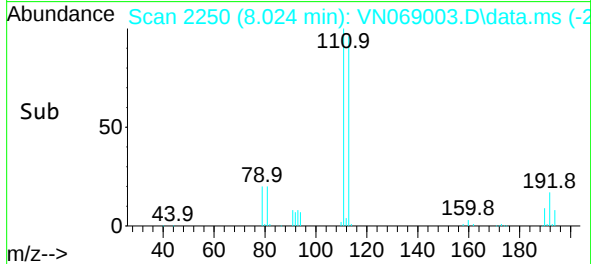


#35  
Dibromofluoromethane  
Concen: 50.221 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

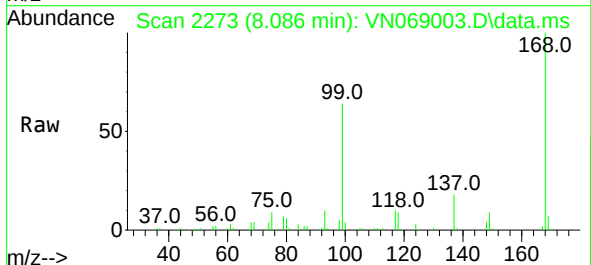
Instrument :  
MSVOA\_N  
ClientSampled :



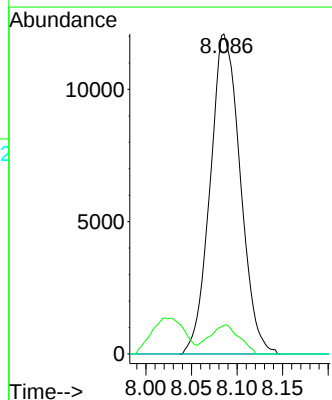
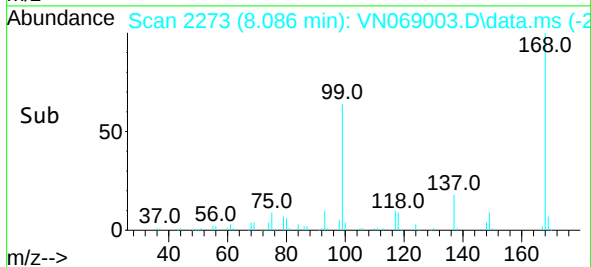
Tgt Ion:113 Resp: 171449  
Ion Ratio Lower Upper  
113 100  
111 103.4 83.2 124.8  
192 17.5 15.0 22.4

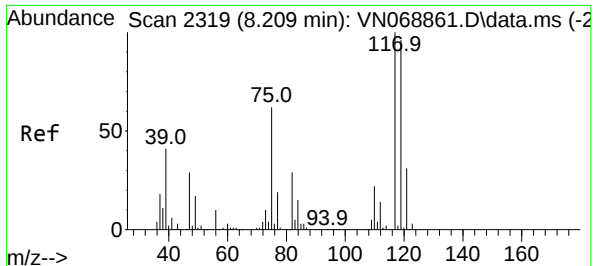


#36  
1,1-Dichloropropene  
Concen: 5.535 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.137 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04



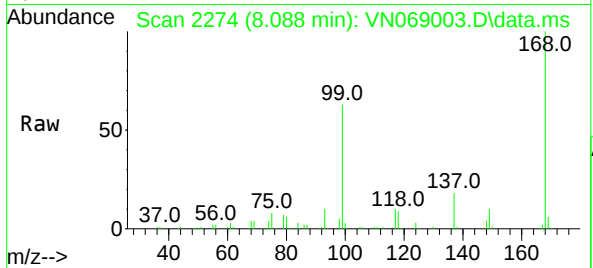
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Ion Ratio Lower Upper  
75 100  
110 9.1 17.9 53.8#  
77 0.0 24.7 37.1#



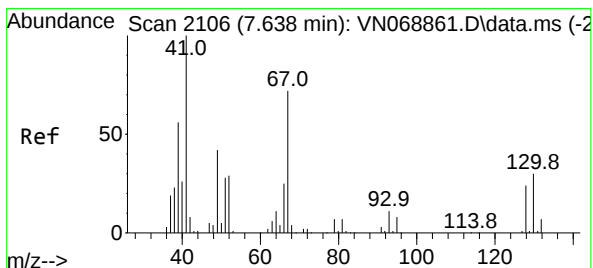
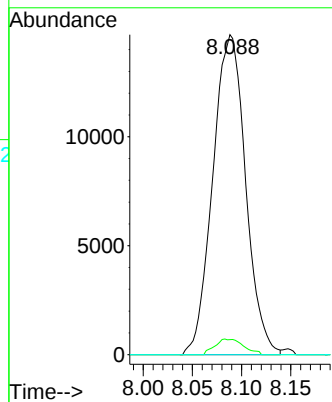
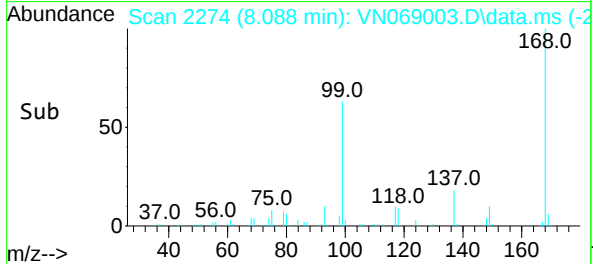


#38  
Carbon Tetrachloride  
Concen: 6.201 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

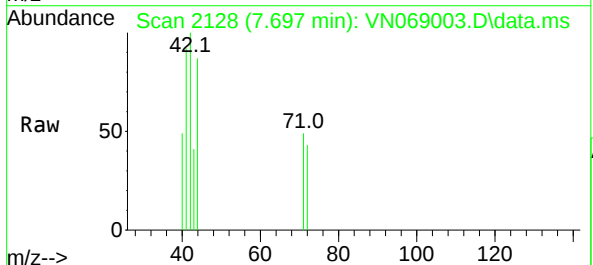
Instrument :  
MSVOA\_N  
ClientSampled :



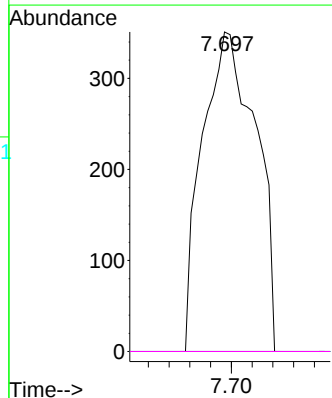
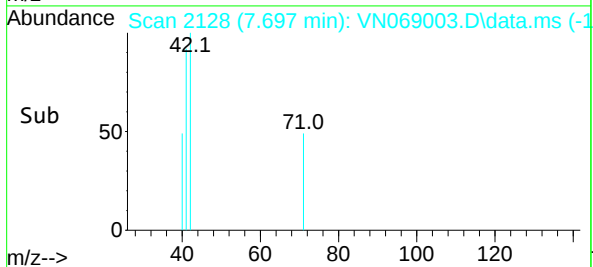
Tgt Ion:117 Resp: 34135  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.9 115.3#  
121 0.0 24.6 37.0#

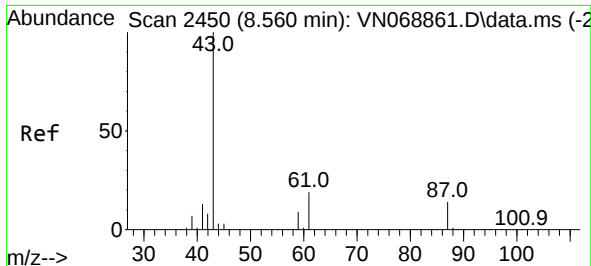


#41  
Methacrylonitrile  
Concen: 0.240 ug/l  
RT: 7.697 min Scan# 2128  
Delta R.T. 0.059 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04



Tgt Ion: 41 Resp: 627  
Ion Ratio Lower Upper  
41 100  
39 0.0 44.9 67.3#  
67 0.0 62.6 93.8#  
52 0.0 26.2 39.4#

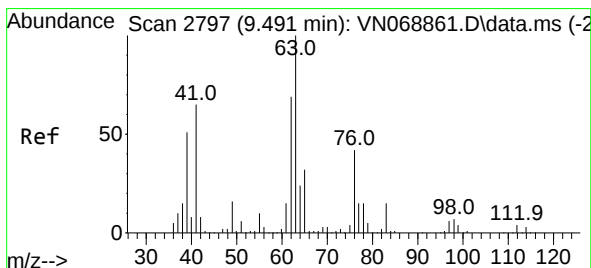
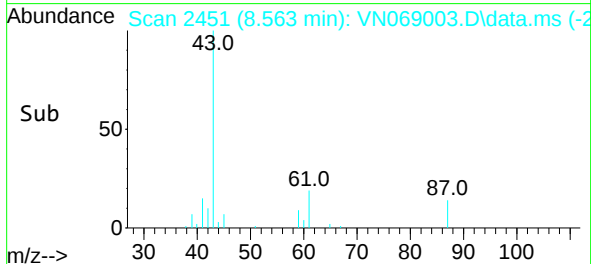
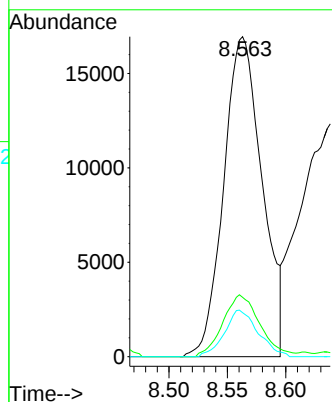
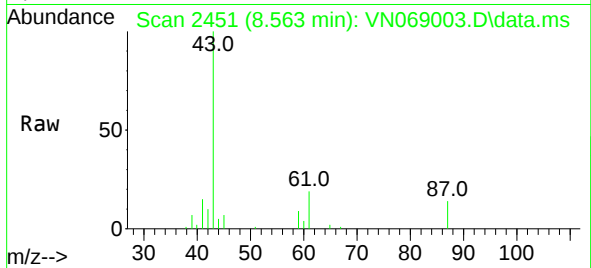




#43  
Isopropyl Acetate  
Concen: 4.251 ug/l  
RT: 8.563 min Scan# 2451  
Delta R.T. 0.003 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

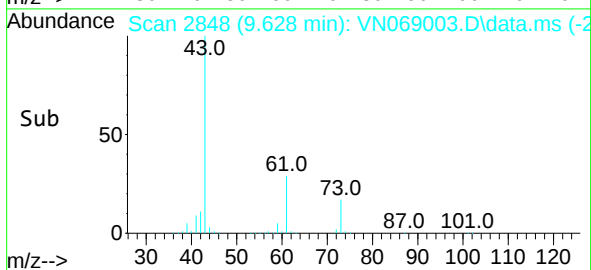
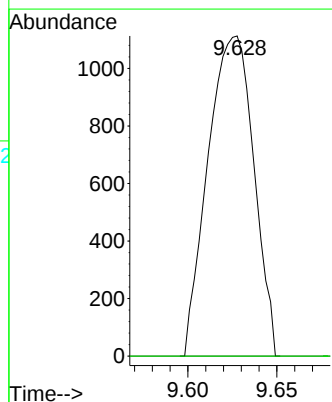
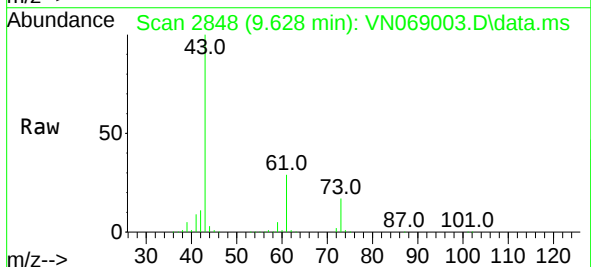
Instrument :  
MSVOA\_N  
ClientSampled :

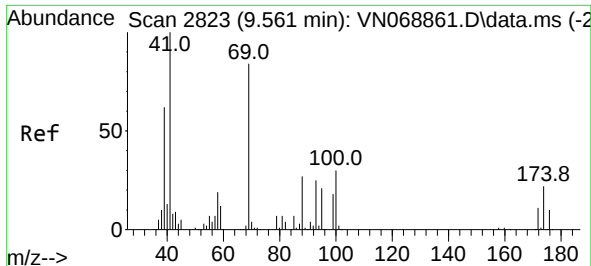
Tgt Ion: 43 Resp: 38827  
Ion Ratio Lower Upper  
43 100  
61 18.6 20.4 30.6#  
87 12.7 10.7 16.1



#45  
1,2-Dichloropropane  
Concen: 0.504 ug/l  
RT: 9.628 min Scan# 2848  
Delta R.T. 0.137 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 63 Resp: 1997  
Ion Ratio Lower Upper  
63 100  
65 0.0 25.6 38.4#

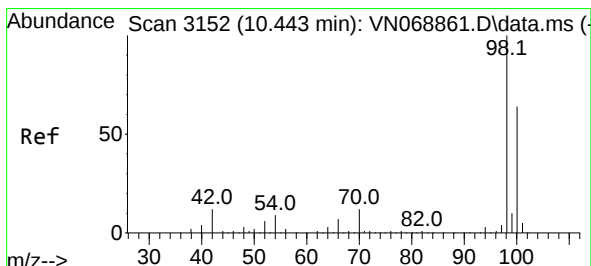
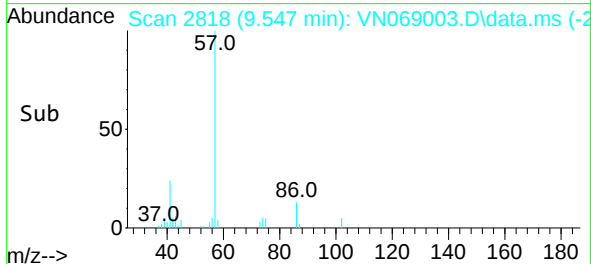
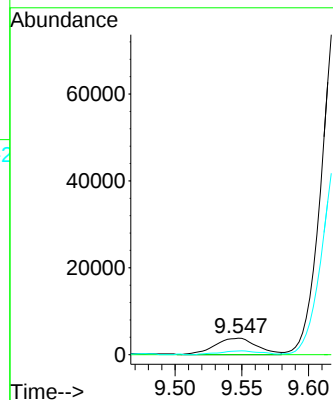
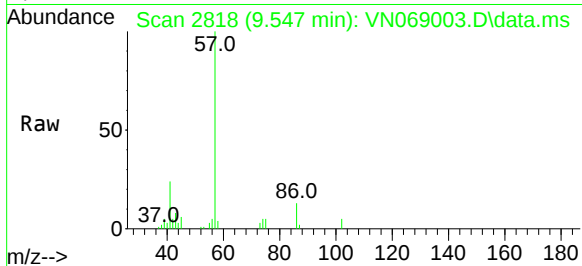




#48  
Methyl methacrylate  
Concen: 1.949 ug/l  
RT: 9.547 min Scan# 2818  
Delta R.T. -0.013 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

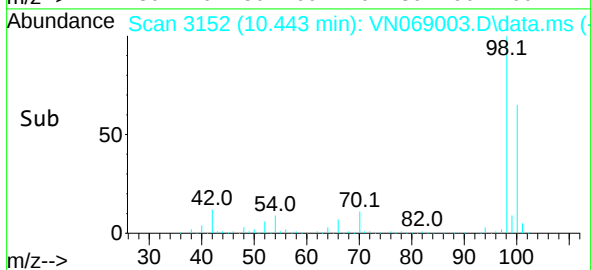
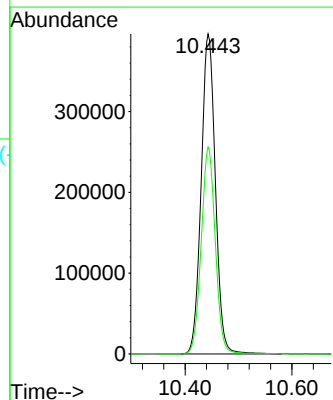
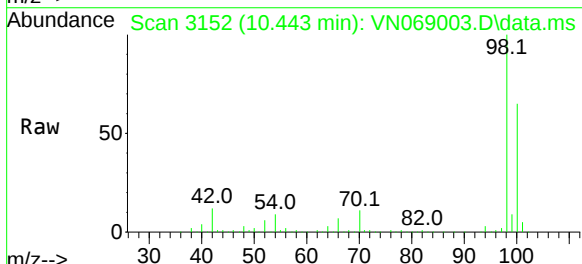
Instrument :  
MSVOA\_N  
ClientSampled :

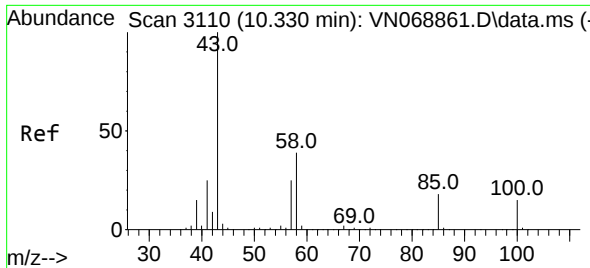
Tgt Ion: 41 Resp: 8363  
Ion Ratio Lower Upper  
41 100  
69 0.0 66.4 99.6#  
39 0.0 50.2 75.2#



#50  
Toluene-d8  
Concen: 53.628 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 98 Resp: 732543  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.5 77.3

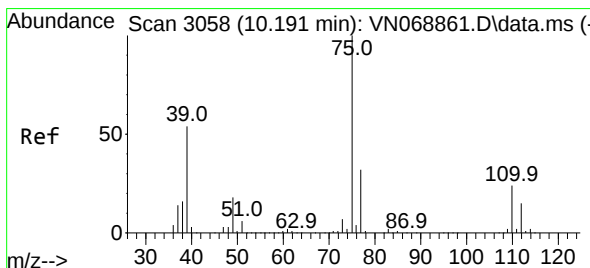
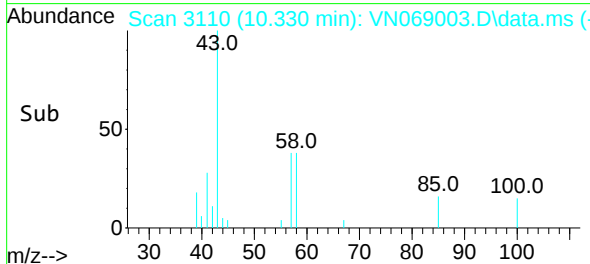
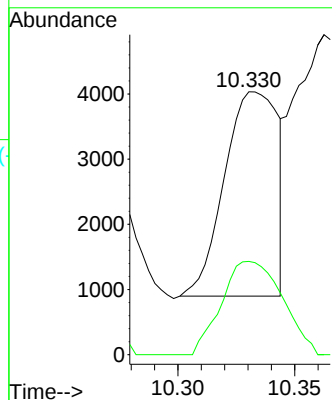
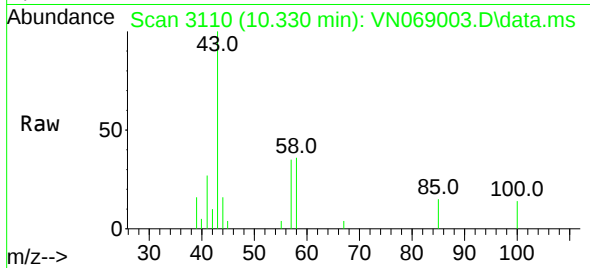




#51  
4-Methyl-2-Pentanone  
Concen: 0.938 ug/l  
RT: 10.330 min Scan# 3110  
Delta R.T. -0.000 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

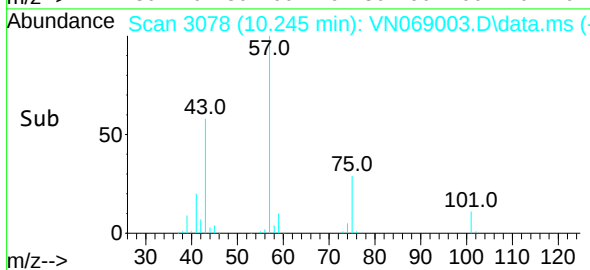
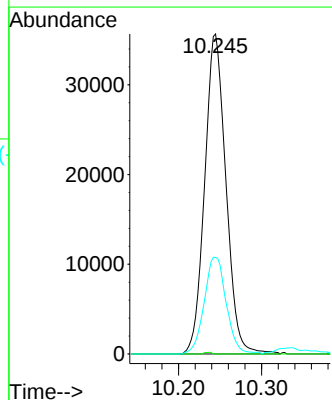
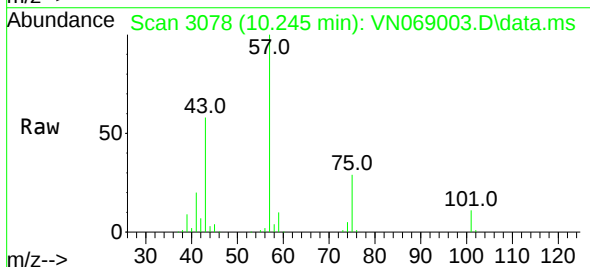
Instrument :  
MSVOA\_N  
ClientSampled :

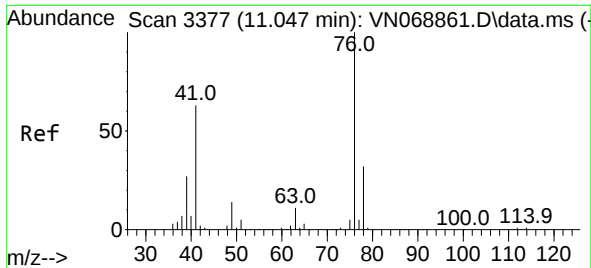
Tgt Ion: 43 Resp: 4965  
Ion Ratio Lower Upper  
43 100  
58 52.4 31.0 46.4#



#54  
cis-1,3-Dichloropropene  
Concen: 9.590 ug/l  
RT: 10.245 min Scan# 3078  
Delta R.T. 0.054 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 75 Resp: 63312  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.6 38.4#  
39 30.2 42.9 64.3#

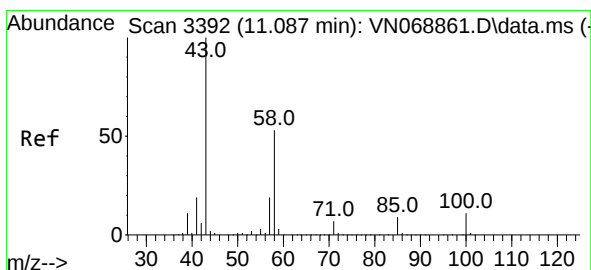
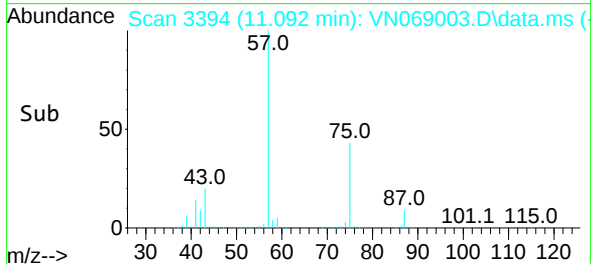
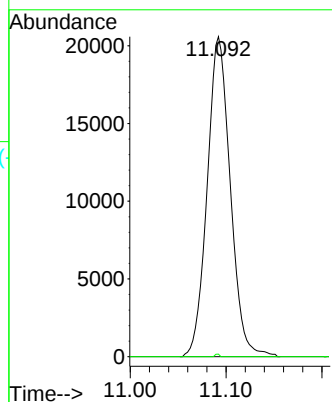
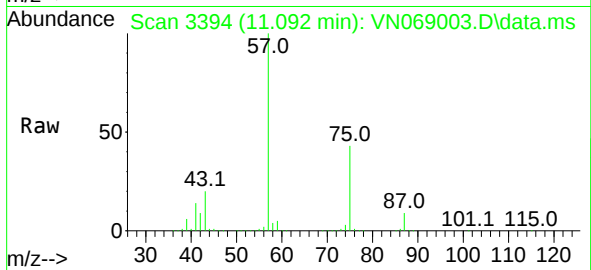




#57  
1,3-Dichloropropane  
Concen: 5.406 ug/l  
RT: 11.092 min Scan# 3394  
Delta R.T. 0.046 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

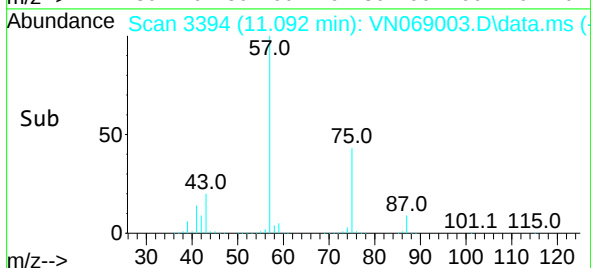
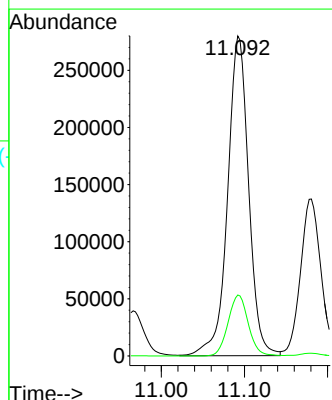
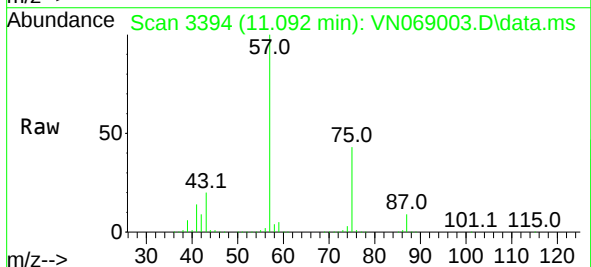
Instrument :  
MSVOA\_N  
ClientSampled :

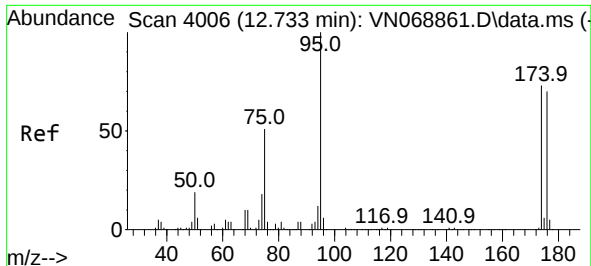
Tgt Ion: 76 Resp: 34511  
Ion Ratio Lower Upper  
76 100  
78 0.1 25.8 38.8#



#59  
2-Hexanone  
Concen: 129.671 ug/l  
RT: 11.092 min Scan# 3394  
Delta R.T. 0.005 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 43 Resp: 492458  
Ion Ratio Lower Upper  
43 100  
58 18.4 26.9 80.7#

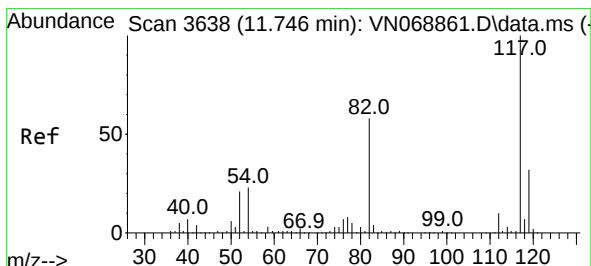
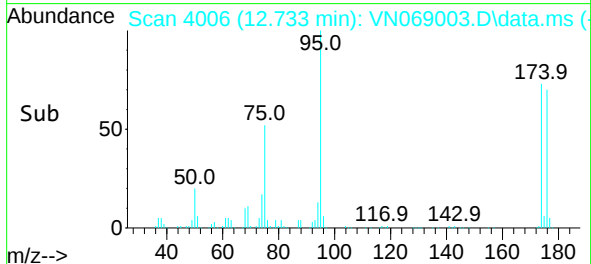
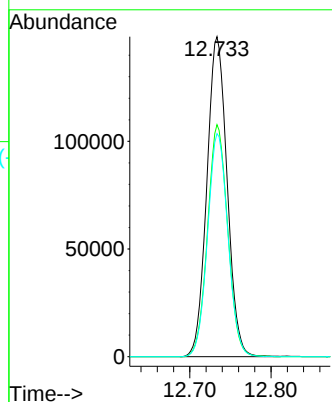
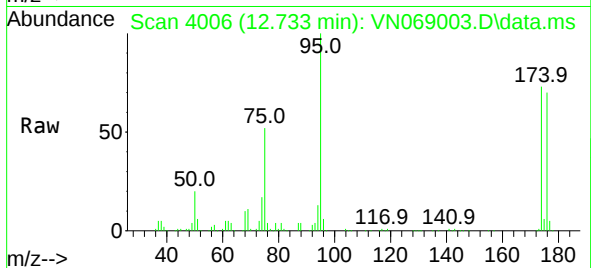




#62  
4-Bromofluorobenzene  
Concen: 49.904 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

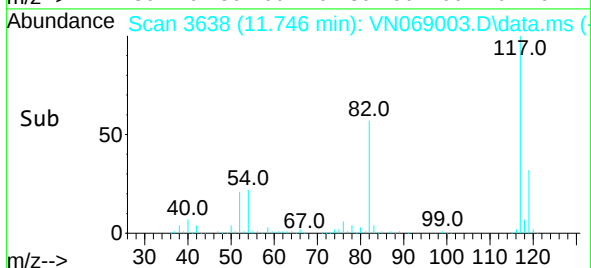
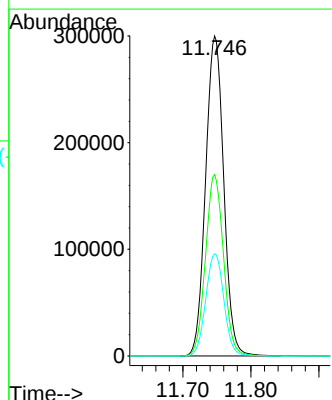
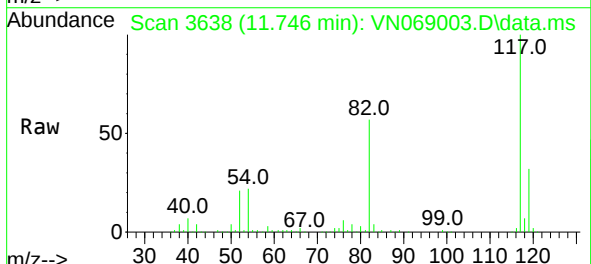
Instrument :  
MSVOA\_N  
ClientSampleId :

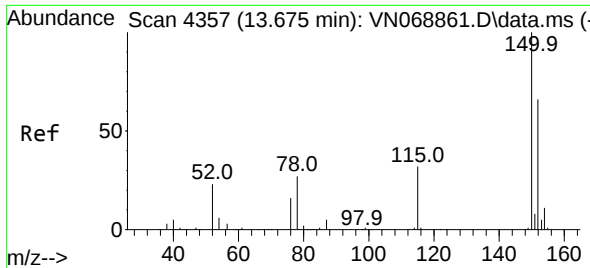
Tgt Ion: 95 Resp: 257185  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 144.8  
176 70.0 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

Tgt Ion: 117 Resp: 556382  
Ion Ratio Lower Upper  
117 100  
82 56.6 46.4 69.6  
119 31.9 26.0 39.0

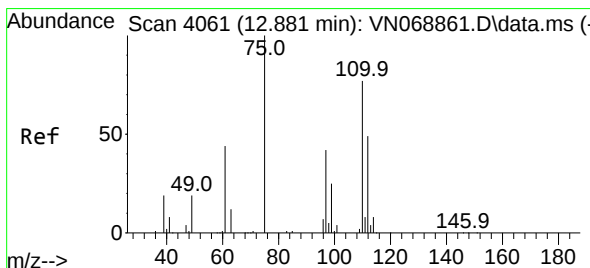
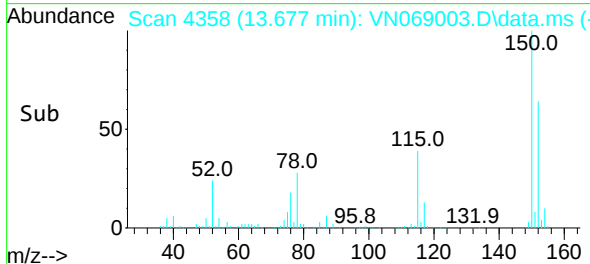
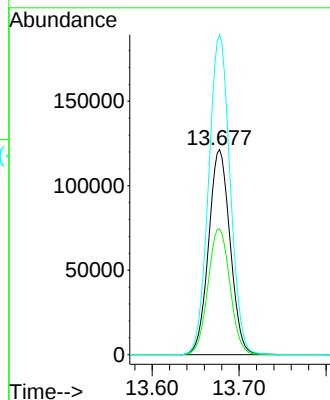
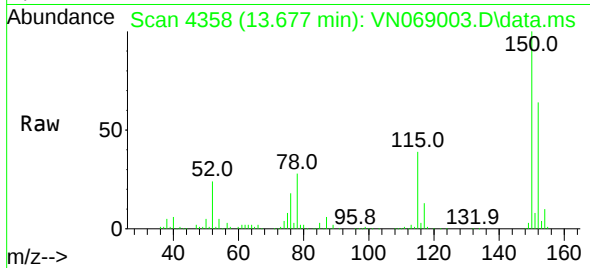




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.677 min Scan# 4358  
 Delta R.T. 0.003 min  
 Lab File: VN069003.D  
 Acq: 19 Oct 2021 2:04

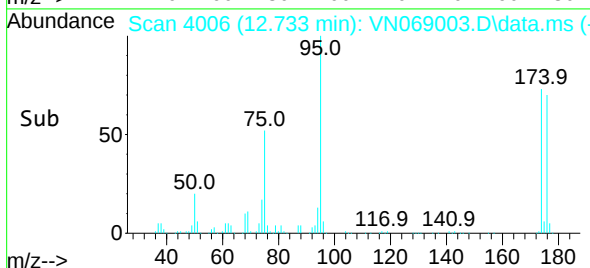
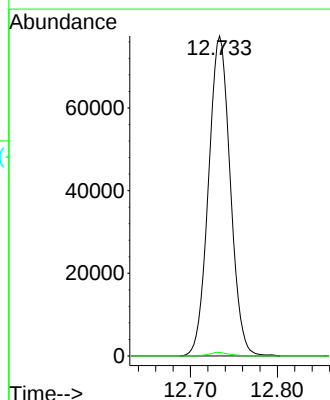
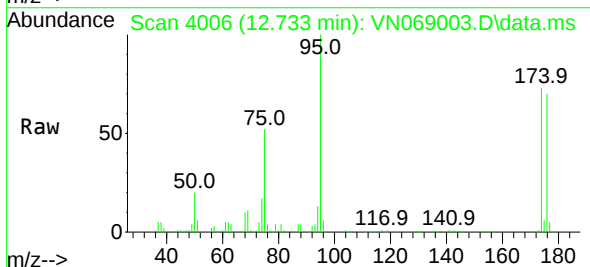
Instrument :  
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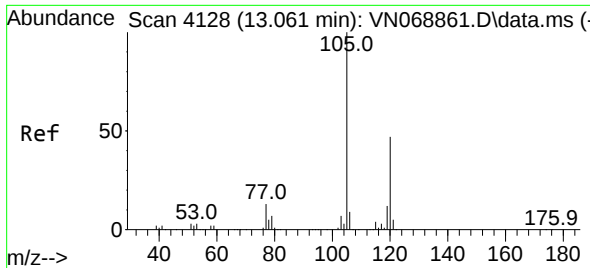
Tgt Ion:152 Resp: 208541  
 Ion Ratio Lower Upper  
 152 100  
 115 62.7 31.4 94.3  
 150 156.4 0.0 351.0



#76  
 1,2,3-Trichloropropane  
 Concen: 30.306 ug/l  
 RT: 12.733 min Scan# 4006  
 Delta R.T. -0.148 min  
 Lab File: VN069003.D  
 Acq: 19 Oct 2021 2:04

Tgt Ion: 75 Resp: 134471  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 96.2 288.4#

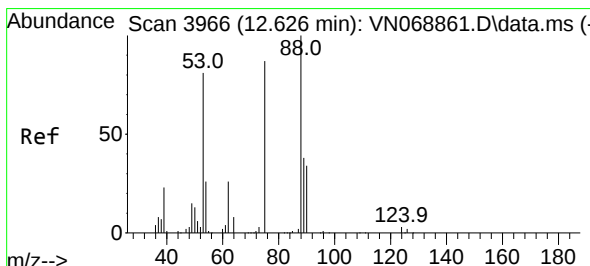
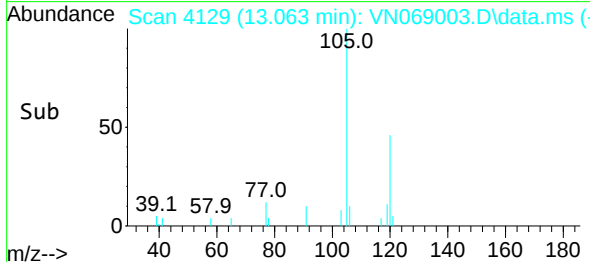
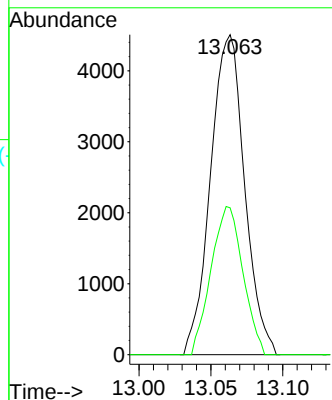
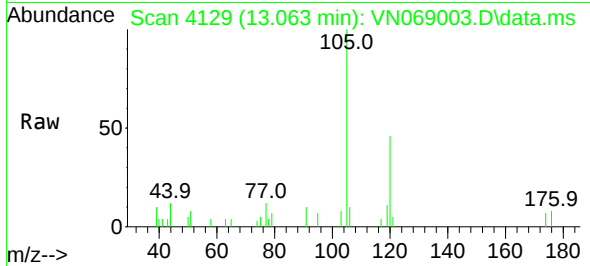




#80  
1,3,5-Trimethylbenzene  
Concen: 0.514 ug/l  
RT: 13.063 min Scan# 4129  
Delta R.T. 0.003 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

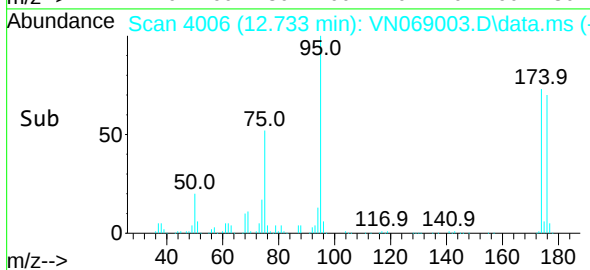
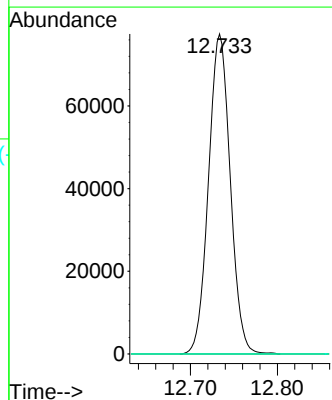
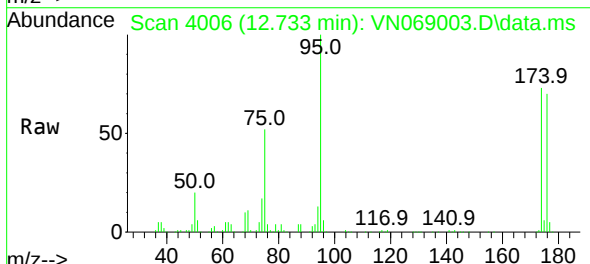
Instrument :  
MSVOA\_N  
ClientSampled :

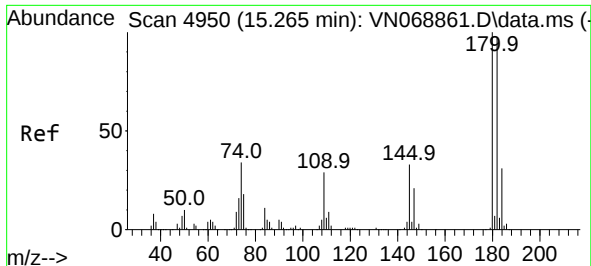
Tgt Ion:105 Resp: 7433  
Ion Ratio Lower Upper  
105 100  
120 43.2 23.4 70.2



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.505 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

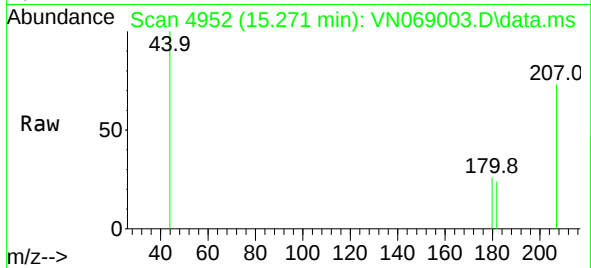
Tgt Ion: 75 Resp: 134471  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.4 113.2#  
89 0.0 36.9 55.3#



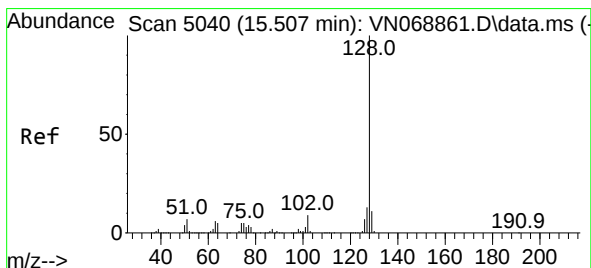
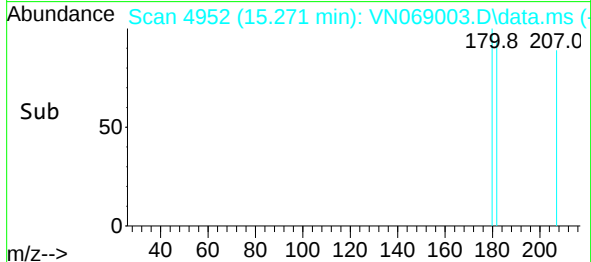
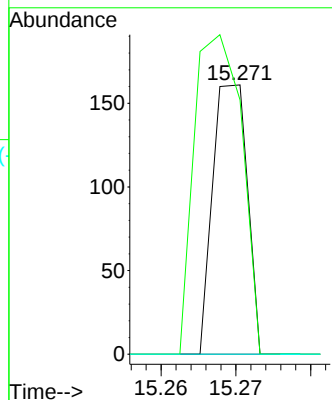


#93  
1,2,4-Trichlorobenzene  
Concen: 2.616 ug/l  
RT: 15.271 min Scan# 4952  
Delta R.T. 0.006 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04

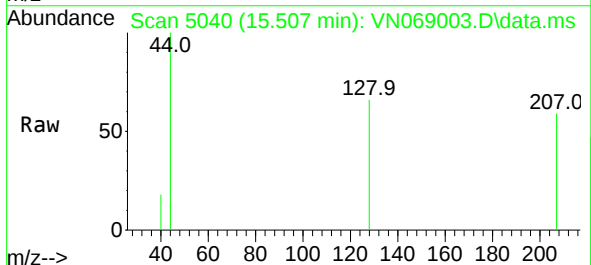
Instrument :  
MSVOA\_N  
ClientSampled :



Tgt Ion:180 Resp: 52  
Ion Ratio Lower Upper  
180 100  
182 161.5 47.9 143.7#  
145 0.0 16.4 49.2#



#95  
Naphthalene  
Concen: 3.908 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN069003.D  
Acq: 19 Oct 2021 2:04



Tgt Ion:128 Resp: 1012  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 0.0 8.9 13.3#

