

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101821\  
 Data File : VN069001.D  
 Acq On : 19 Oct 2021 1:13  
 Operator : JC/MD  
 Sample : M4268-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 19 09:58:57 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

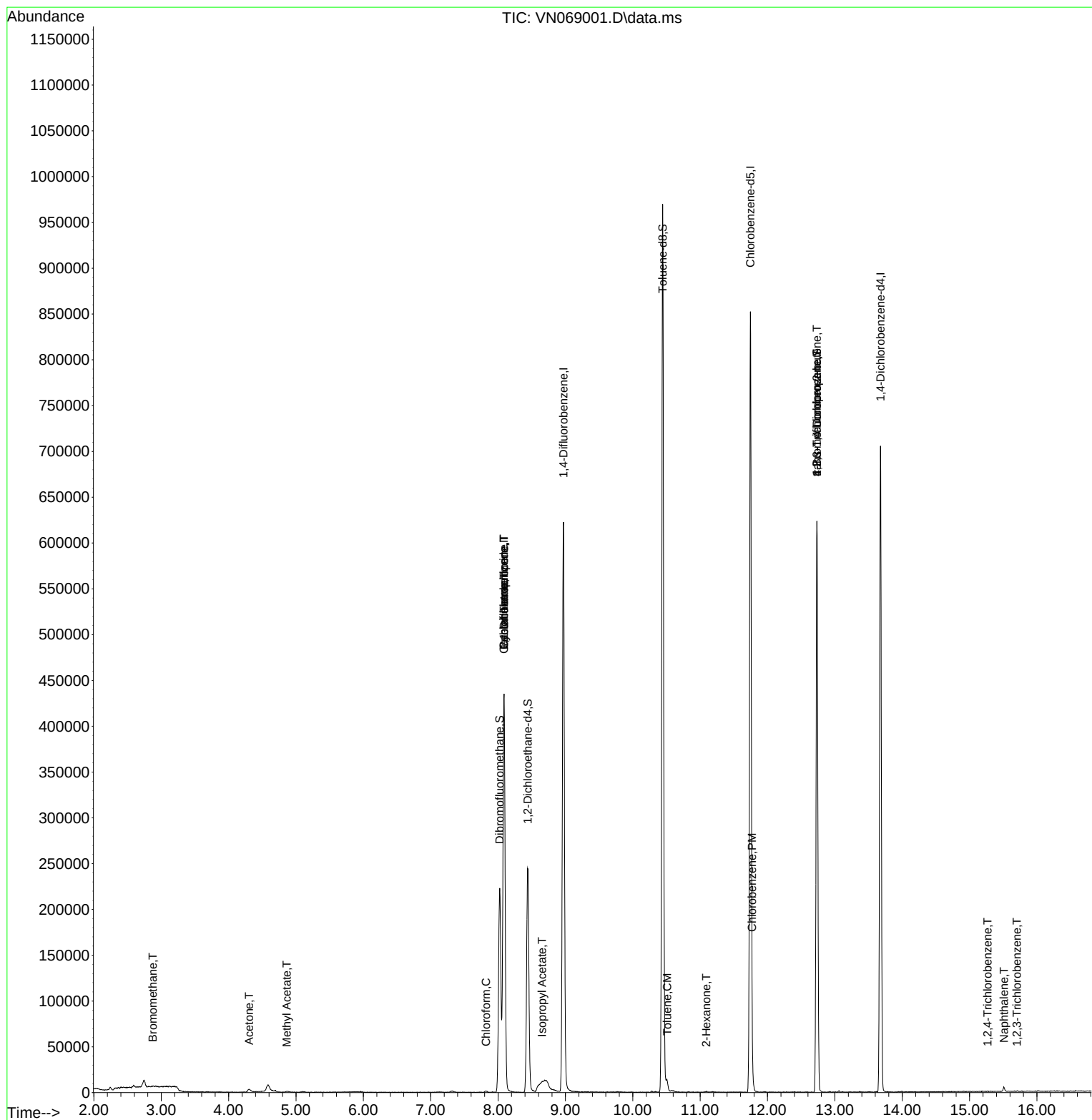
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 330196     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.971          | 114  | 565869     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.747         | 117  | 504548     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678         | 152  | 188685     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 209911     | 48.216   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 96.440%  |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 168123     | 51.066   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 102.140% |        |          |
| 50) Toluene-d8                | 10.443         | 98   | 692724     | 52.587   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 105.180% |        |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 232448     | 46.770   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 93.540%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Bromomethane               | 2.875          | 94   | 857        | 0.380    | ug/l # | 77       |
| 16) Acetone                   | 4.304          | 43   | 6260       | 3.853    | ug/l   | 93       |
| 18) Methyl Acetate            | 4.865          | 43   | 1345       | 0.218    | ug/l # | 72       |
| 30) Chloroform                | 7.820          | 83   | 1664       | 0.244    | ug/l   | 97       |
| 31) Cyclohexane               | 8.088          | 56   | 7642       | 1.129    | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 8.088          | 75   | 26606      | 5.505    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.086          | 117  | 34471      | 6.494    | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.654          | 43   | 16755      | 1.902    | ug/l # | 55       |
| 52) Toluene                   | 10.510         | 92   | 3947       | 0.417    | ug/l   | 98       |
| 59) 2-Hexanone                | 11.089         | 43   | 982        | 0.268    | ug/l # | 32       |
| 65) Chlorobenzene             | 11.771         | 112  | 1948       | 0.204    | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 119879     | 29.860   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 119879     | 71.439   | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 15.268         | 180  | 308        | 2.694    | ug/l # | 43       |
| 95) Naphthalene               | 15.509         | 128  | 5267       | 4.367    | ug/l # | 85       |
| 96) 1,2,3-Trichlorobenzene    | 15.702         | 180  | 110        | 2.548    | ug/l # | 42       |
| -----                         |                |      |            |          |        |          |

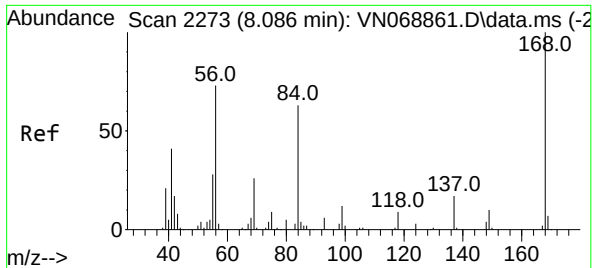
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101821\  
Data File : VN069001.D  
Acq On : 19 Oct 2021 1:13  
Operator : JC/MD  
Sample : M4268-03  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Oct 19 09:58:57 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

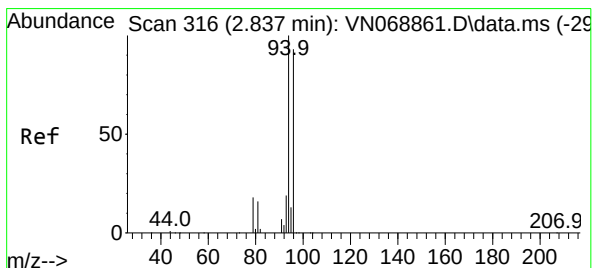
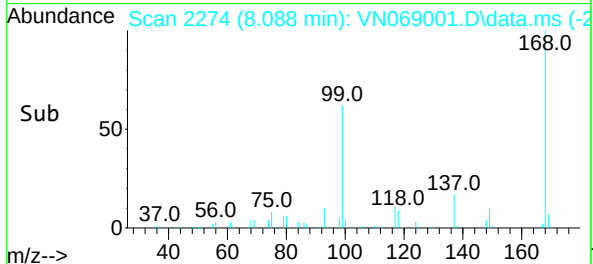
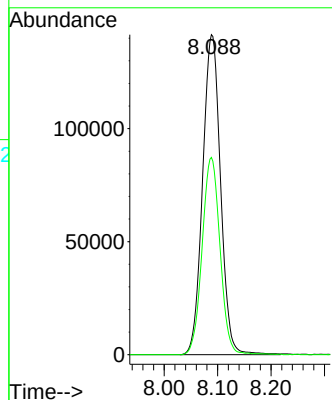
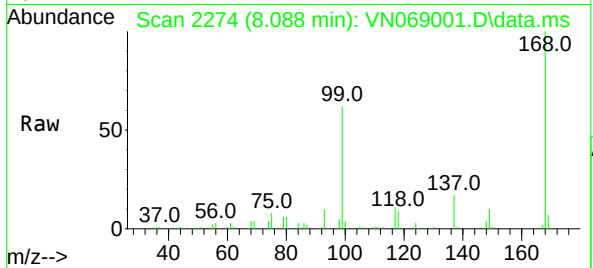




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

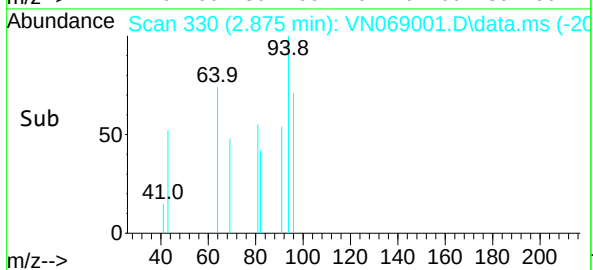
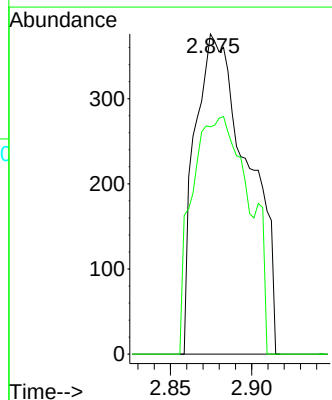
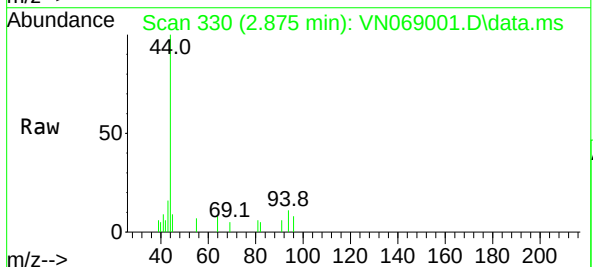
Instrument :  
MSVOA\_N  
ClientSampled :

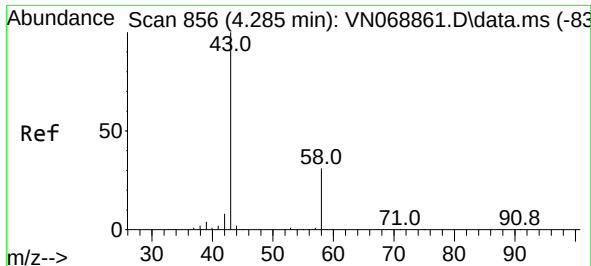
Tgt Ion:168 Resp: 330196  
Ion Ratio Lower Upper  
168 100  
99 61.6 48.9 73.3



#5  
Bromomethane  
Concen: 0.380 ug/l  
RT: 2.875 min Scan# 330  
Delta R.T. 0.038 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion: 94 Resp: 857  
Ion Ratio Lower Upper  
94 100  
96 71.0 74.2 111.4#

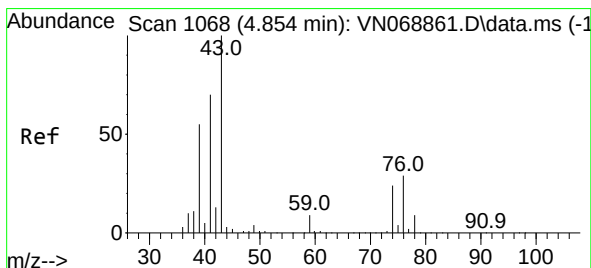
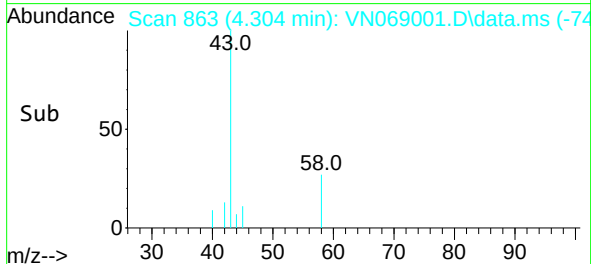
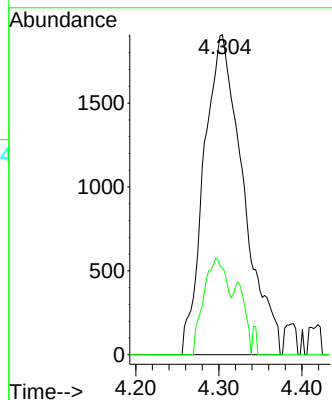
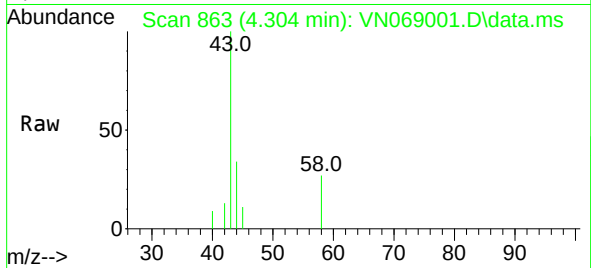




#16  
Acetone  
Concen: 3.853 ug/l  
RT: 4.304 min Scan# 863  
Delta R.T. 0.019 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

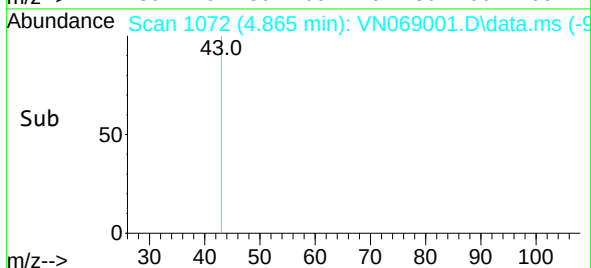
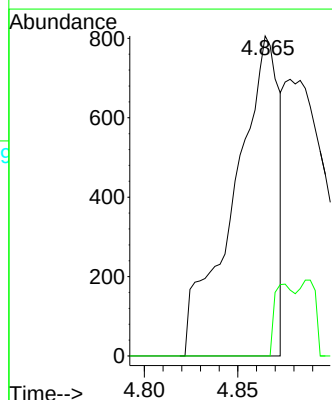
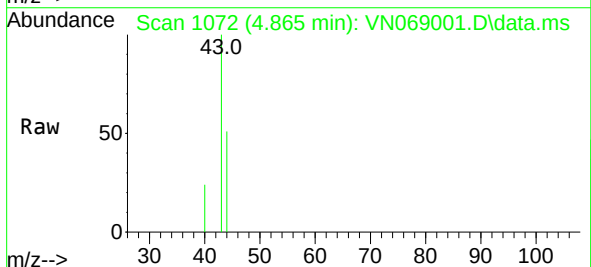
Instrument :  
MSVOA\_N  
ClientSampled :

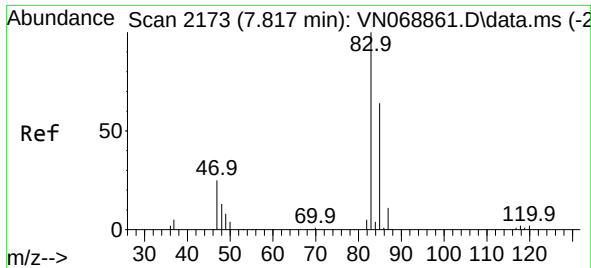
Tgt Ion: 43 Resp: 6260  
Ion Ratio Lower Upper  
43 100  
58 27.0 24.5 36.7



#18  
Methyl Acetate  
Concen: 0.218 ug/l  
RT: 4.865 min Scan# 1072  
Delta R.T. 0.011 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion: 43 Resp: 1345  
Ion Ratio Lower Upper  
43 100  
74 10.1 18.9 28.3#

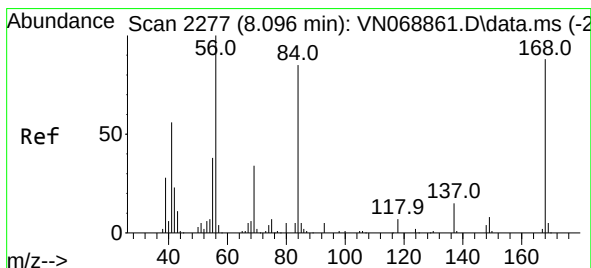
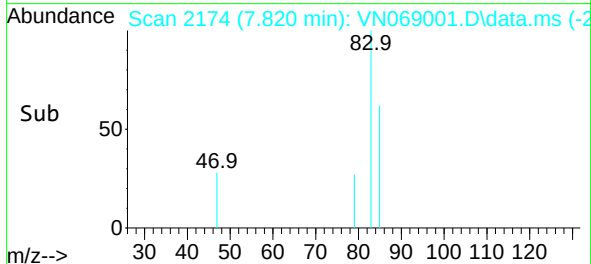
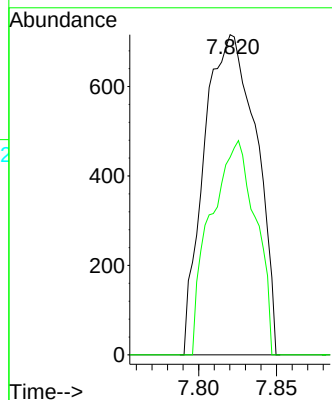
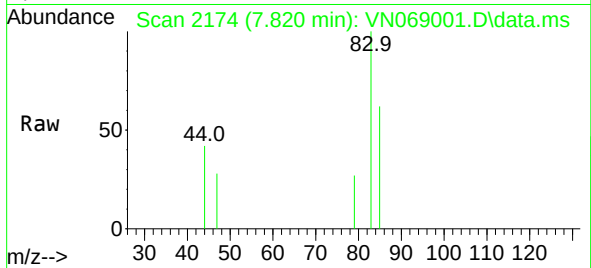




#30  
Chloroform  
Concen: 0.244 ug/l  
RT: 7.820 min Scan# 2174  
Delta R.T. 0.003 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

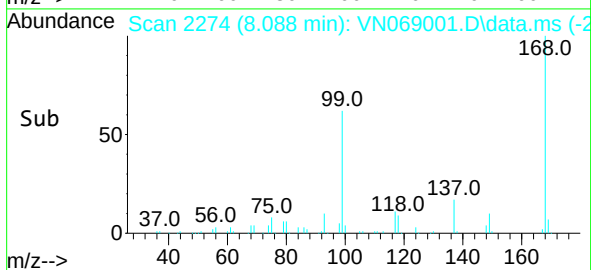
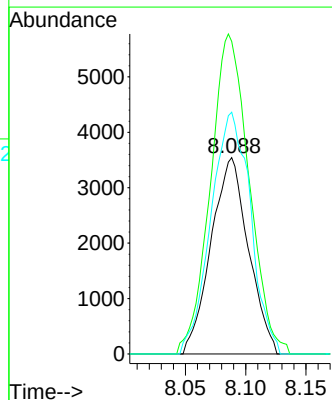
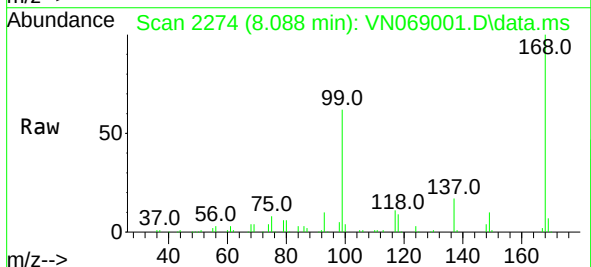
Instrument :  
MSVOA\_N  
ClientSampled :

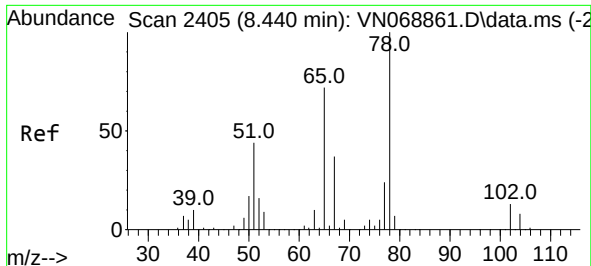
Tgt Ion: 83 Resp: 1664  
Ion Ratio Lower Upper  
83 100  
85 61.7 51.1 76.7



#31  
Cyclohexane  
Concen: 1.129 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.008 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion: 56 Resp: 7642  
Ion Ratio Lower Upper  
56 100  
69 153.6 26.9 40.3#  
84 123.2 67.6 101.4#

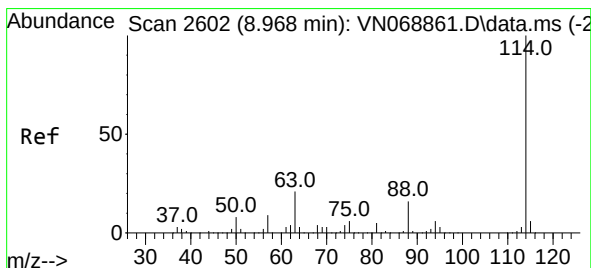
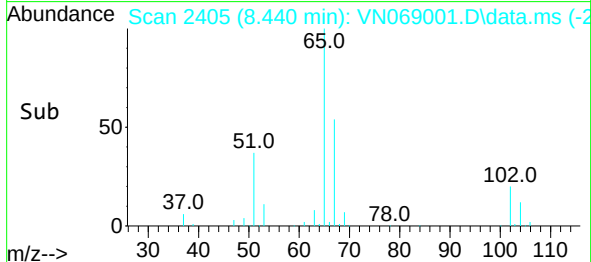
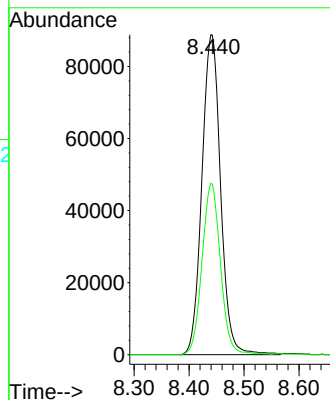
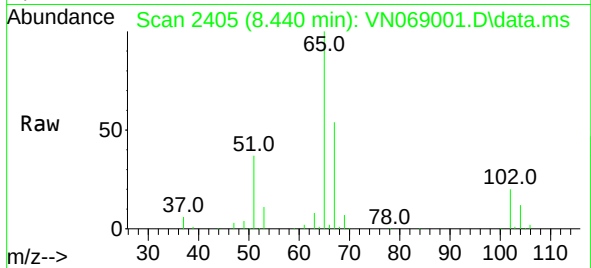




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.216 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. 0.000 min  
 Lab File: VN069001.D  
 Acq: 19 Oct 2021 1:13

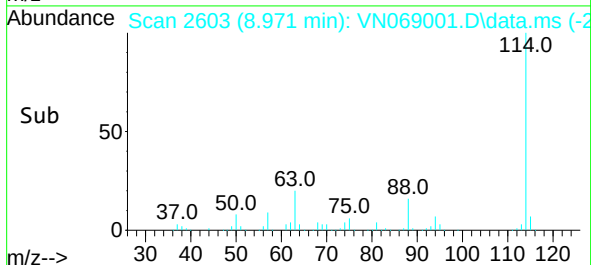
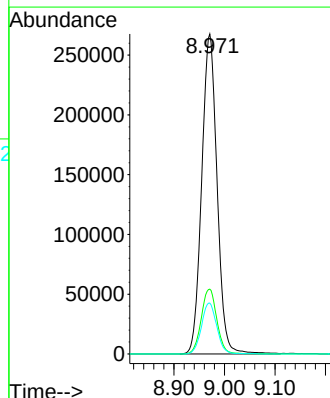
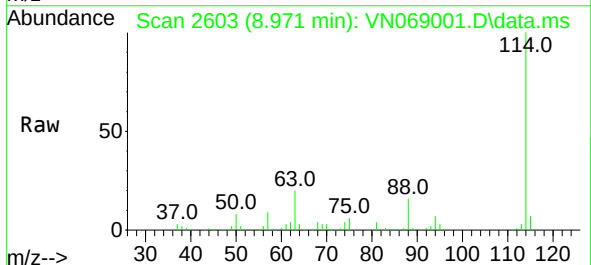
Instrument :  
 MSVOA\_N  
 ClientSampled :

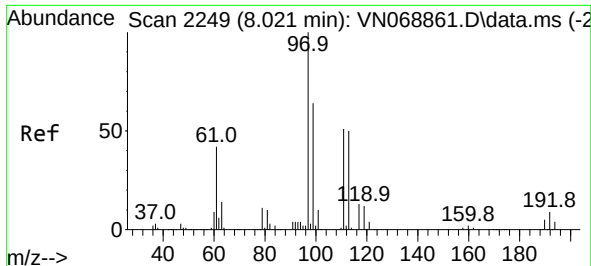
Tgt Ion: 65 Resp: 209911  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. 0.003 min  
 Lab File: VN069001.D  
 Acq: 19 Oct 2021 1:13

Tgt Ion: 114 Resp: 565869  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 42.6  
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.066 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069001.D

Acq: 19 Oct 2021 1:13

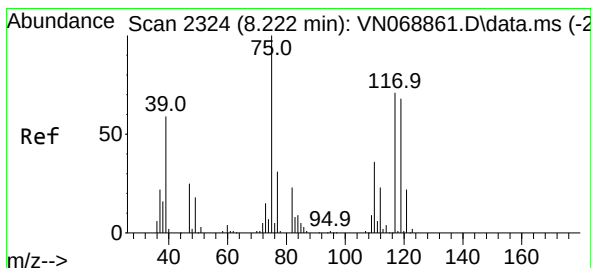
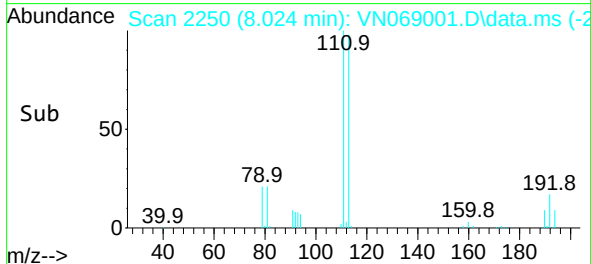
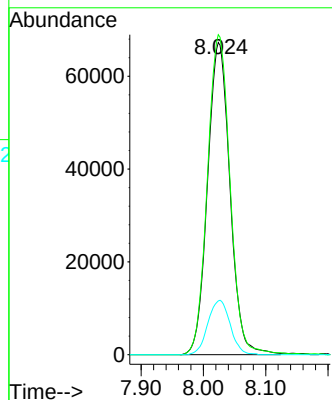
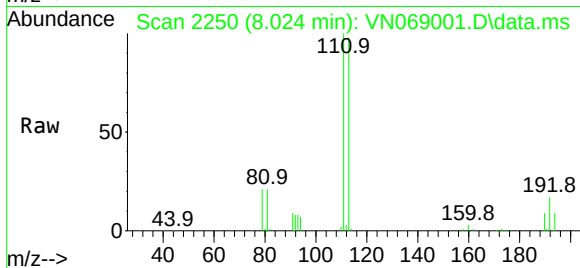
Tgt Ion:113 Resp: 168123

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 17.3 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.505 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN069001.D

Acq: 19 Oct 2021 1:13

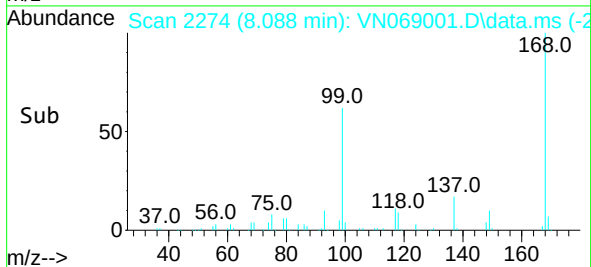
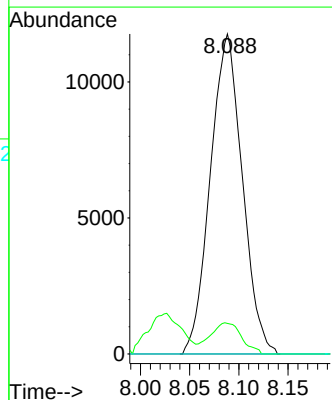
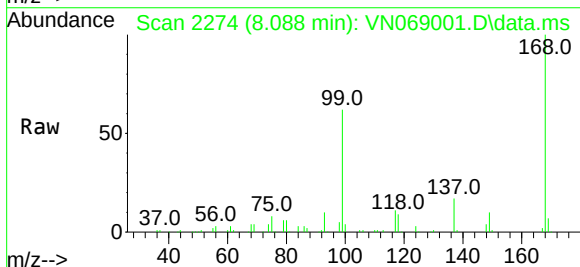
Tgt Ion: 75 Resp: 26606

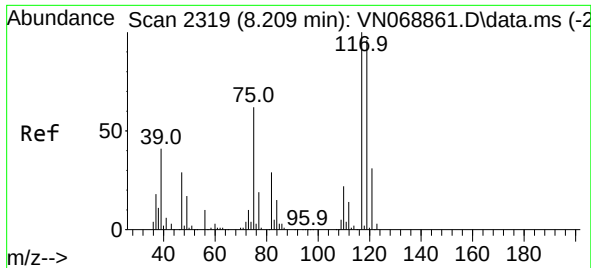
Ion Ratio Lower Upper

75 100

110 9.5 17.9 53.8#

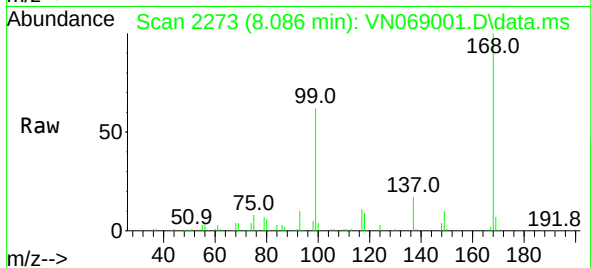
77 0.0 24.7 37.1#



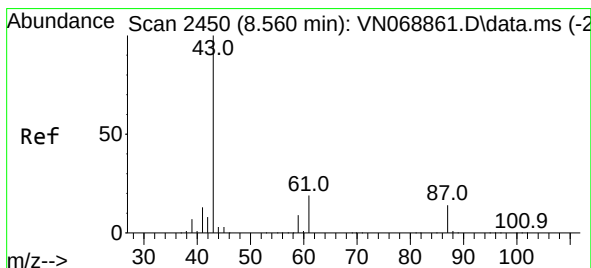
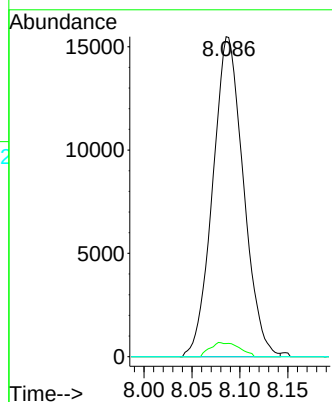
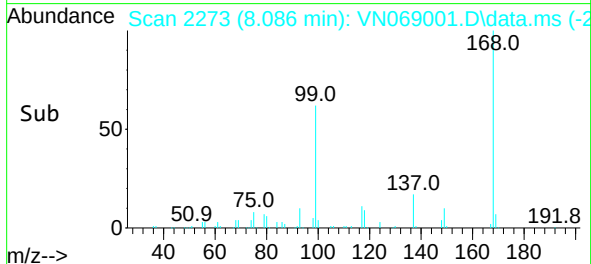


#38  
Carbon Tetrachloride  
Concen: 6.494 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.123 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

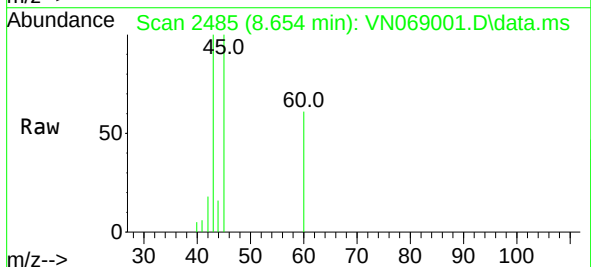
Instrument :  
MSVOA\_N  
ClientSampled :



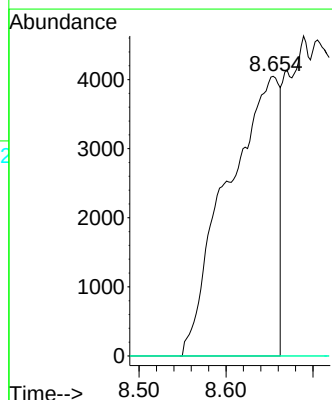
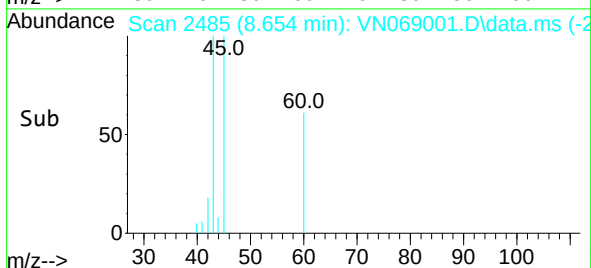
Tgt Ion:117 Resp: 34471  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.9 115.3#  
121 0.0 24.6 37.0#



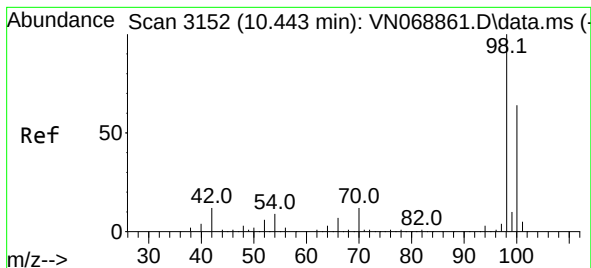
#43  
Isopropyl Acetate  
Concen: 1.902 ug/l  
RT: 8.654 min Scan# 2485  
Delta R.T. 0.094 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13



Tgt Ion: 43 Resp: 16755  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.7 16.1#



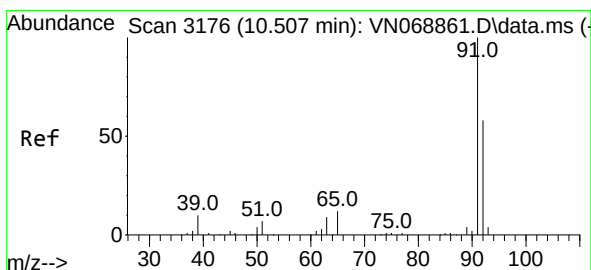
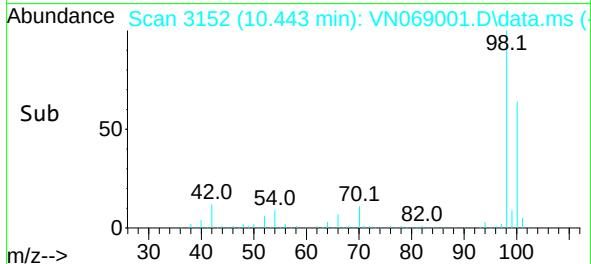
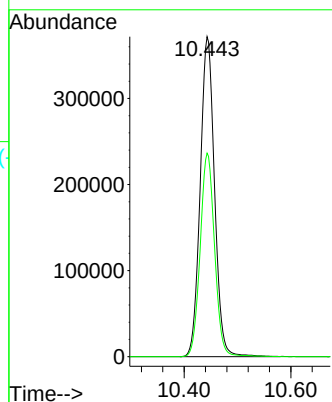
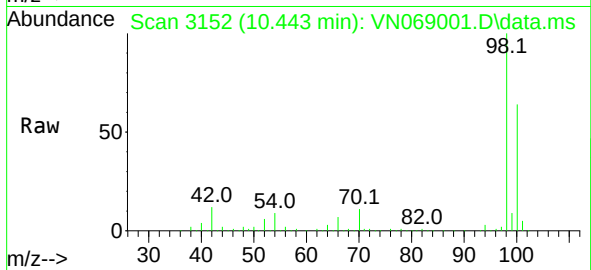




#50  
Toluene-d8  
Concen: 52.587 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

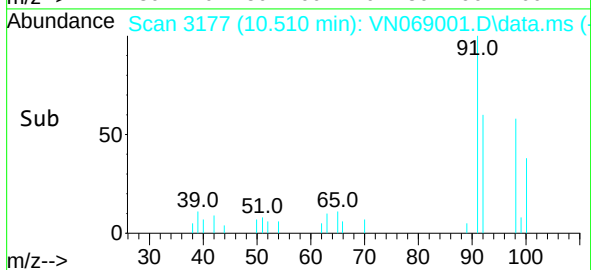
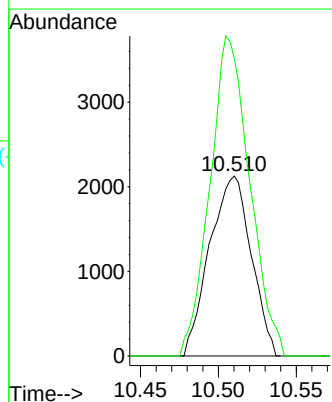
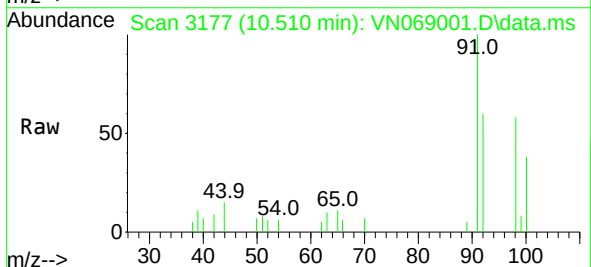
Instrument :  
MSVOA\_N  
ClientSampled :

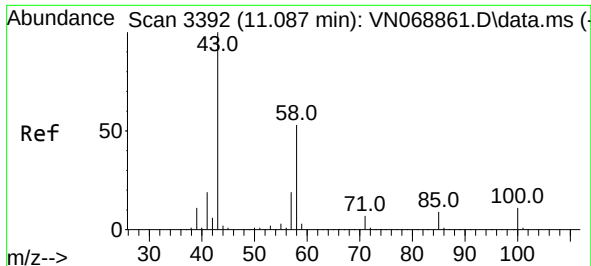
Tgt Ion: 98 Resp: 692724  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.5 77.3



#52  
Toluene  
Concen: 0.417 ug/l  
RT: 10.510 min Scan# 3177  
Delta R.T. 0.003 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion: 92 Resp: 3947  
Ion Ratio Lower Upper  
92 100  
91 169.9 138.5 207.7

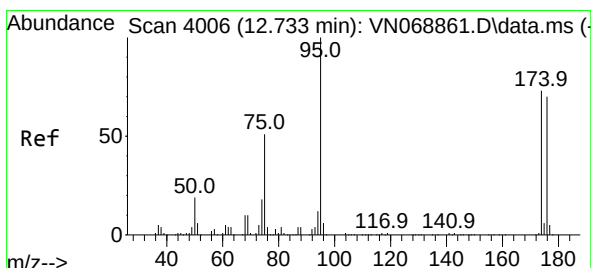
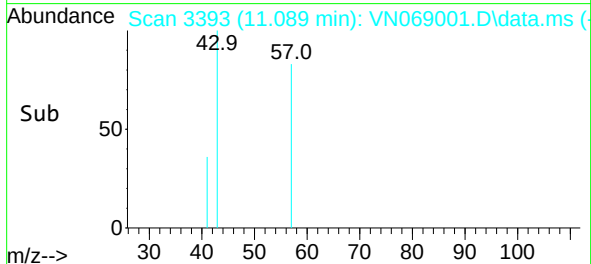
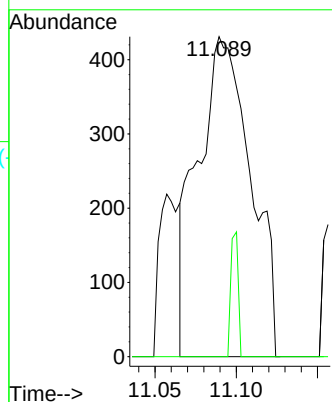
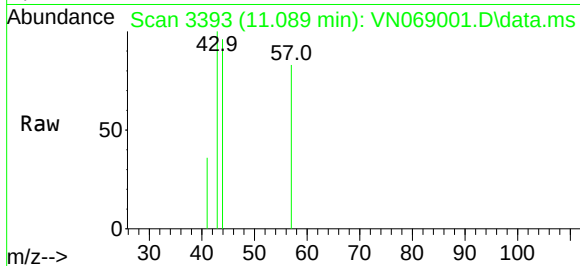




#59  
2-Hexanone  
Concen: 0.268 ug/l  
RT: 11.089 min Scan# 3393  
Delta R.T. 0.003 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

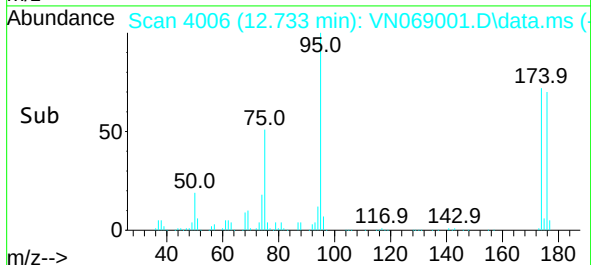
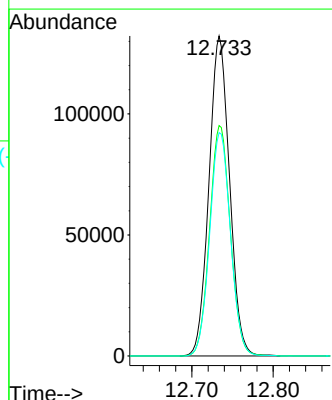
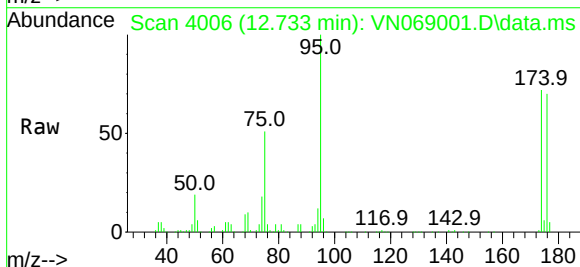
Instrument :  
MSVOA\_N  
ClientSampled :

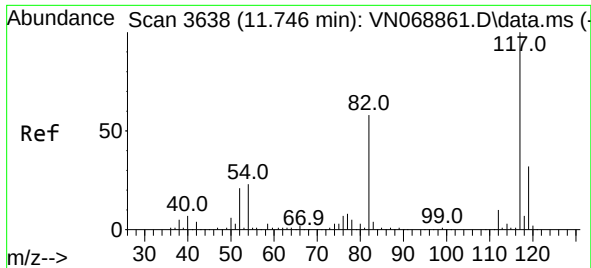
Tgt Ion: 43 Resp: 982  
Ion Ratio Lower Upper  
43 100  
58 5.4 26.9 80.7#



#62  
4-Bromofluorobenzene  
Concen: 46.770 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion: 95 Resp: 232448  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 144.8  
176 70.5 0.0 140.0

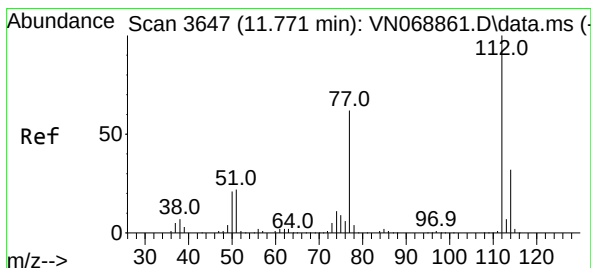
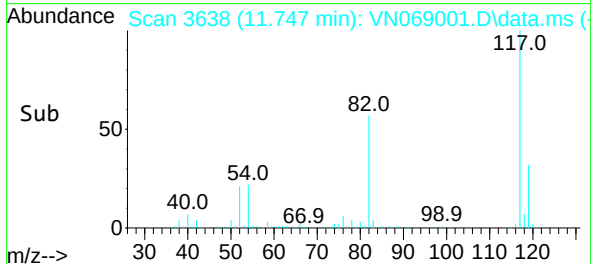
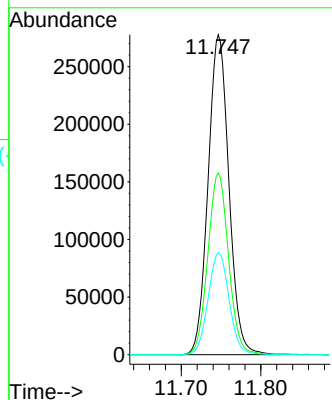
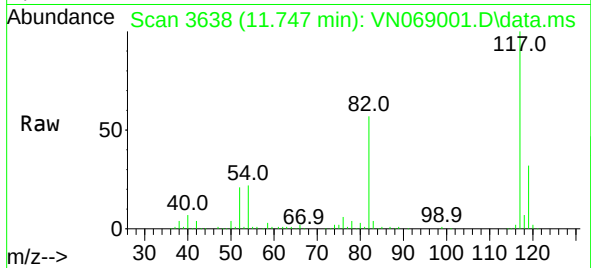




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

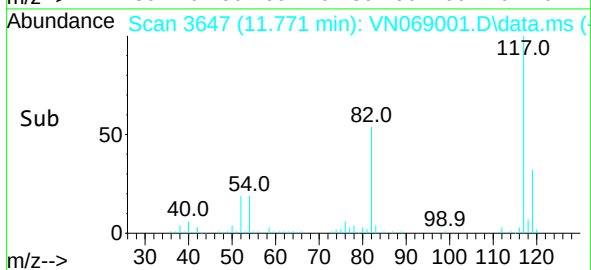
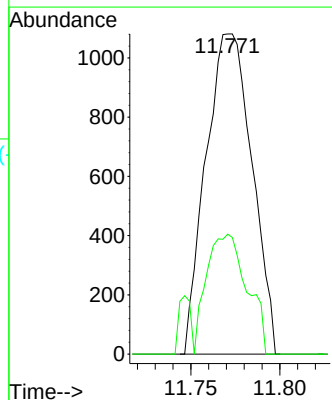
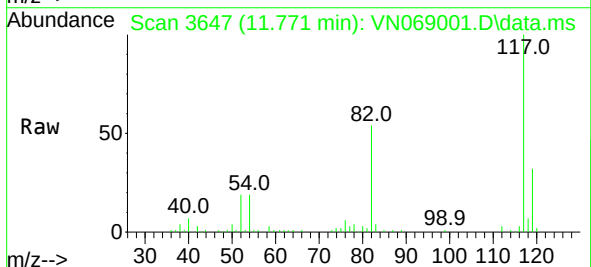
Instrument :  
MSVOA\_N  
ClientSampled :

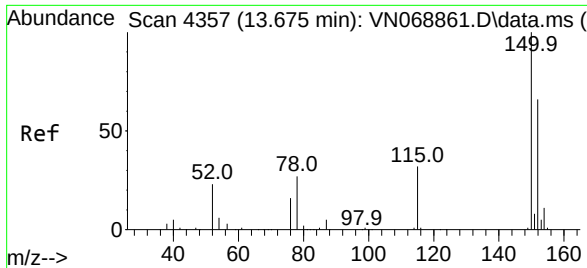
Tgt Ion:117 Resp: 504548  
Ion Ratio Lower Upper  
117 100  
82 56.8 46.4 69.6  
119 31.9 26.0 39.0



#65  
Chlorobenzene  
Concen: 0.204 ug/l  
RT: 11.771 min Scan# 3647  
Delta R.T. 0.000 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion:112 Resp: 1948  
Ion Ratio Lower Upper  
112 100  
114 37.5 25.5 38.3

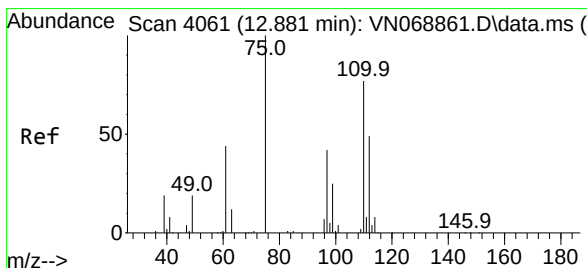
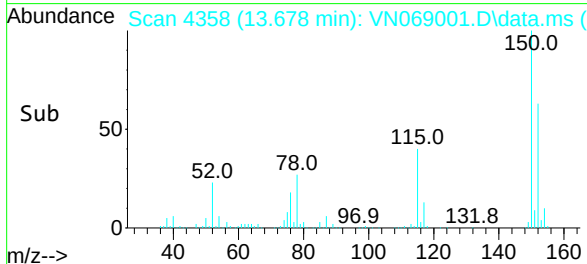
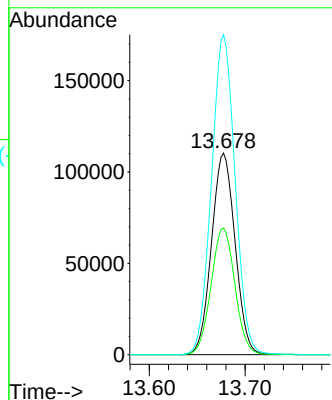
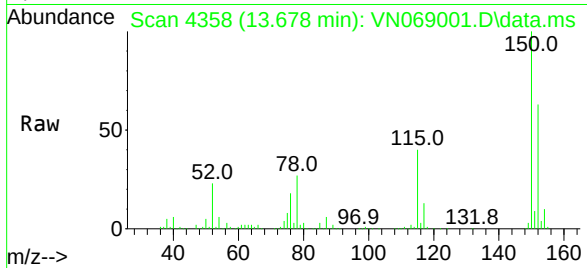




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

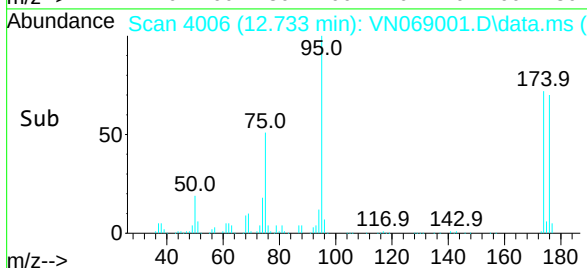
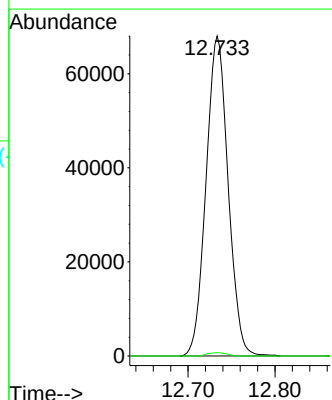
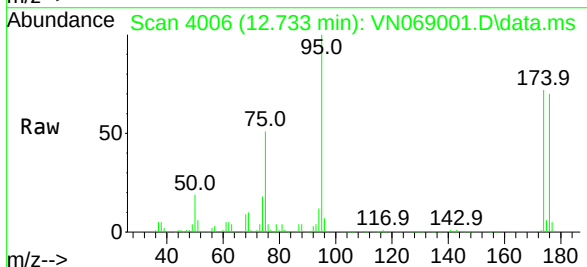
Instrument :  
MSVOA\_N  
ClientSampled :

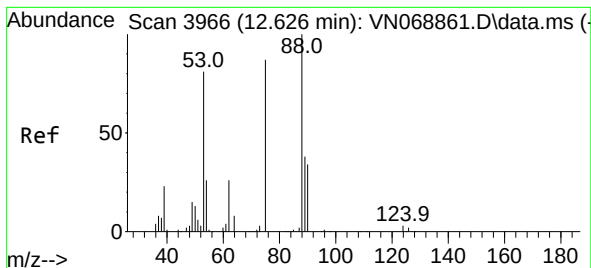
Tgt Ion:152 Resp: 188685  
Ion Ratio Lower Upper  
152 100  
115 63.6 31.4 94.3  
150 159.0 0.0 351.0



#76  
1,2,3-Trichloropropane  
Concen: 29.860 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.147 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion: 75 Resp: 119879  
Ion Ratio Lower Upper  
75 100  
77 0.9 96.2 288.4#

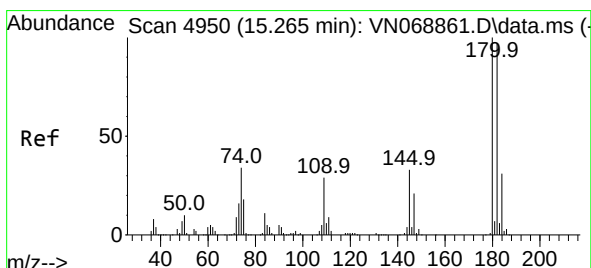
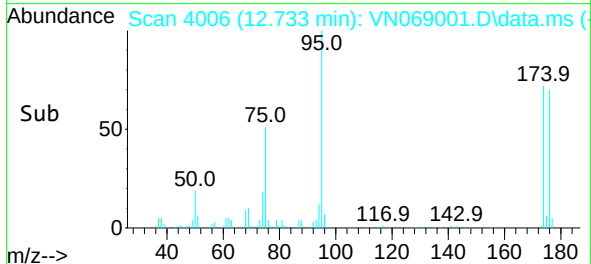
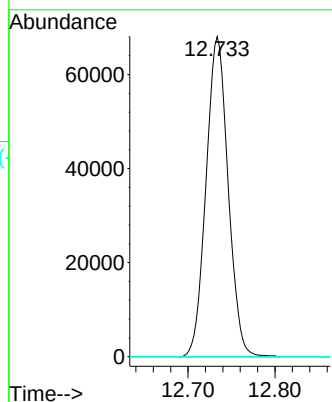
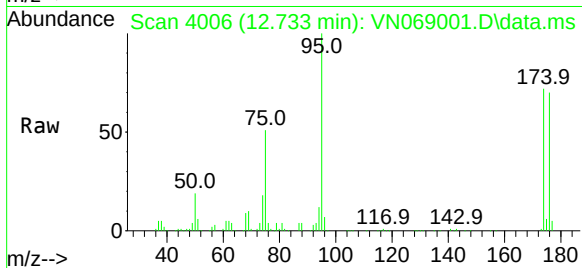




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.439 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

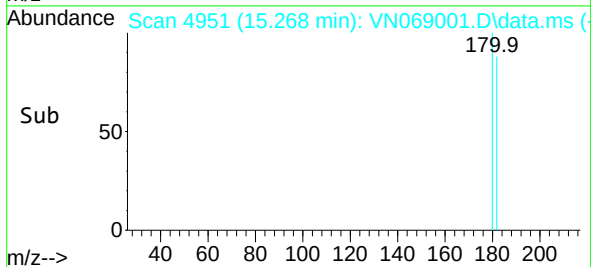
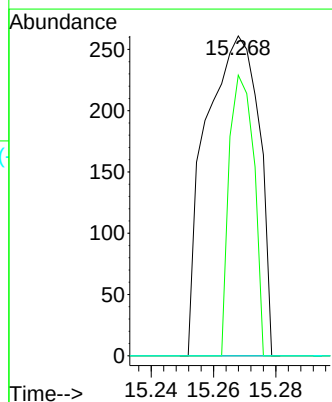
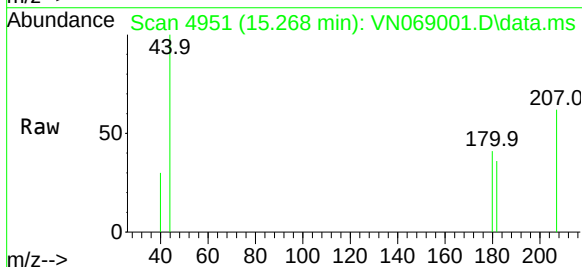
Instrument :  
MSVOA\_N  
ClientSampled :

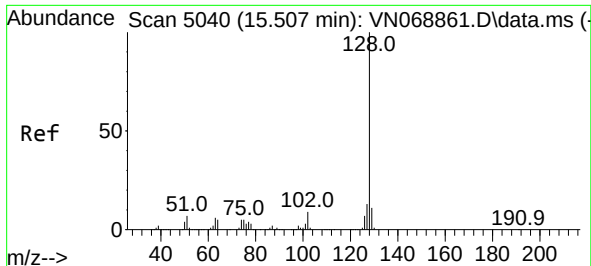
Tgt Ion: 75 Resp: 119879  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.4 113.2#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.694 ug/l  
RT: 15.268 min Scan# 4951  
Delta R.T. 0.003 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

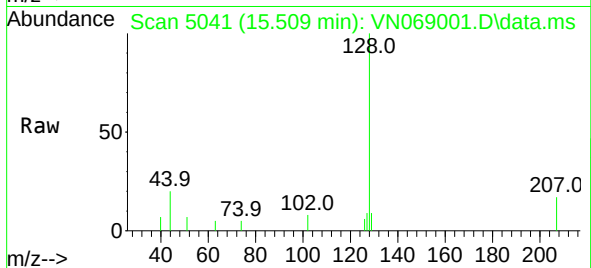
Tgt Ion:180 Resp: 308  
Ion Ratio Lower Upper  
180 100  
182 40.6 47.9 143.7#  
145 0.0 16.4 49.2#



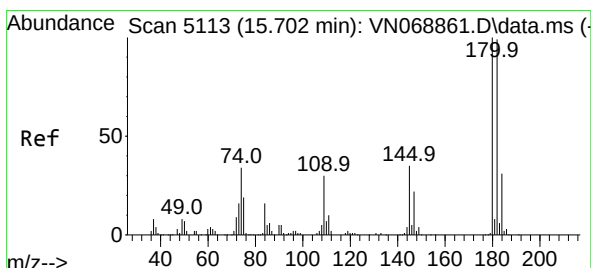
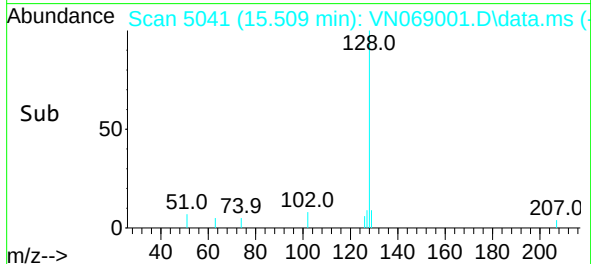
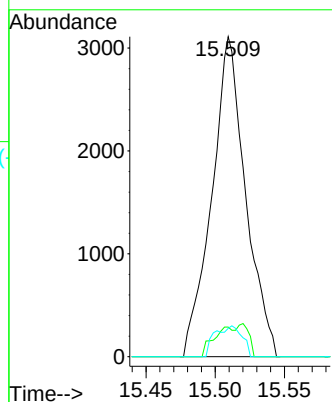


#95  
Naphthalene  
Concen: 4.367 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Instrument :  
MSVOA\_N  
ClientSampled :



Tgt Ion:128 Resp: 5267  
Ion Ratio Lower Upper  
128 100  
127 5.3 10.5 15.7#  
129 7.8 8.9 13.3#



#96  
1,2,3-Trichlorobenzene  
Concen: 2.548 ug/l  
RT: 15.702 min Scan# 5113  
Delta R.T. 0.000 min  
Lab File: VN069001.D  
Acq: 19 Oct 2021 1:13

Tgt Ion:180 Resp: 110  
Ion Ratio Lower Upper  
180 100  
182 152.7 48.1 144.3#  
145 0.0 17.4 52.2#

