

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061622\  
 Data File : VN072906.D  
 Acq On : 17 Jun 2022 02:31  
 Operator : JC\MD  
 Sample : N3339-06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 17 06:09:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 17 06:04:26 2022  
 Response via : Initial Calibration

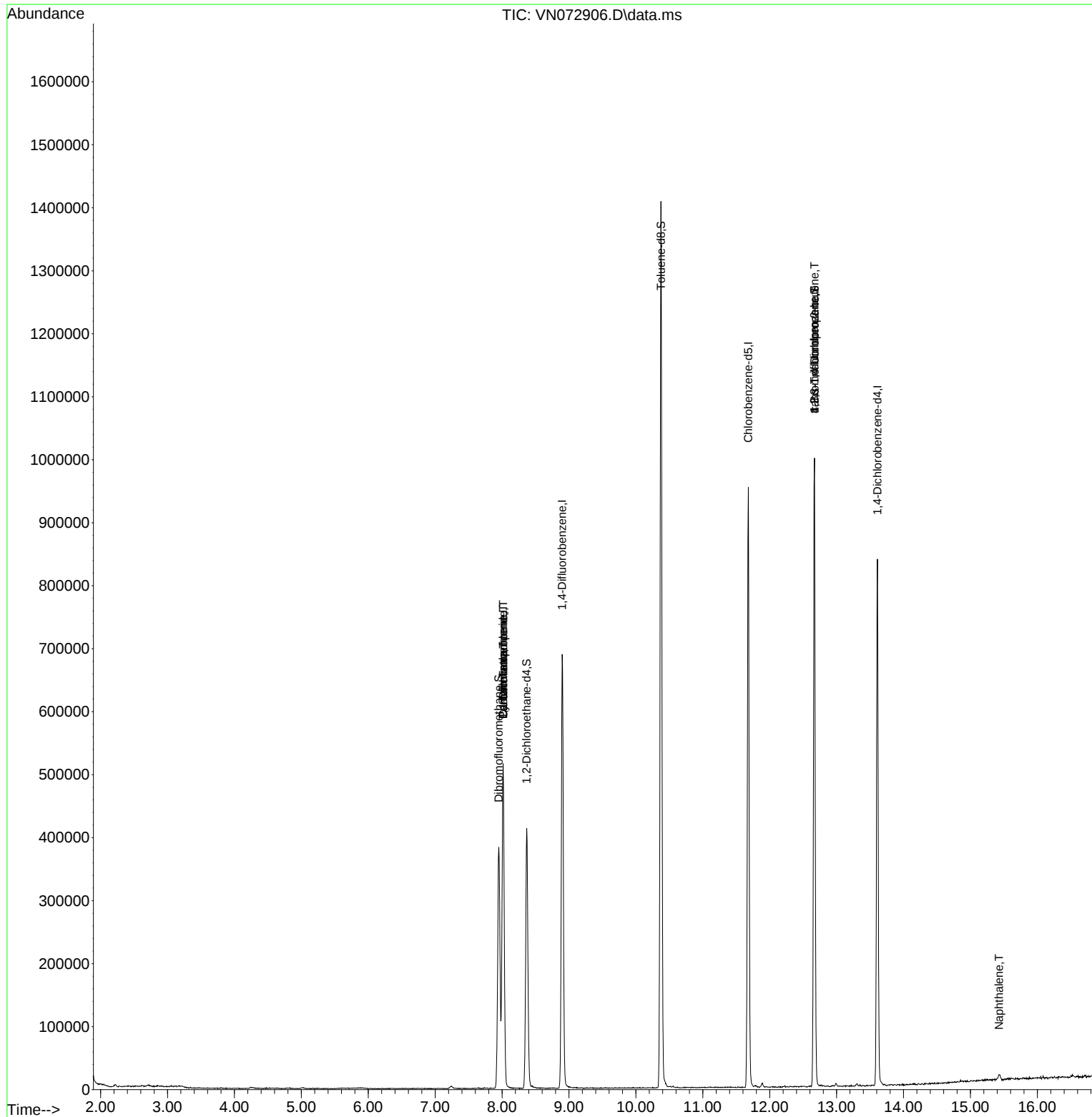
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 407787   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.898  | 114   | 633193   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.680 | 117   | 558011   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.610 | 152   | 237853   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 345343   | 45.838    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 91.680%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 287435   | 49.974    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 99.940%  |
| 50) Toluene-d8                | 10.375 | 98    | 984006   | 43.707    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 87.420%  |
| 62) 4-Bromofluorobenzene      | 12.669 | 95    | 359089   | 45.979    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 91.960%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 31) Cyclohexane               | 8.016  | 56    | 8175     | 0.809     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.016  | 75    | 30249    | 3.851     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 39159    | 4.630     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.669 | 75    | 179274   | 25.357    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.669 | 75    | 179274   | 72.223    | ug/l # | 10       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.580 | 75    | 218      | Below Cal | #      | 1        |
| 95) Naphthalene               | 15.427 | 128   | 9084     | 0.603     | ug/l # | 82       |
| -----                         |        |       |          |           |        |          |

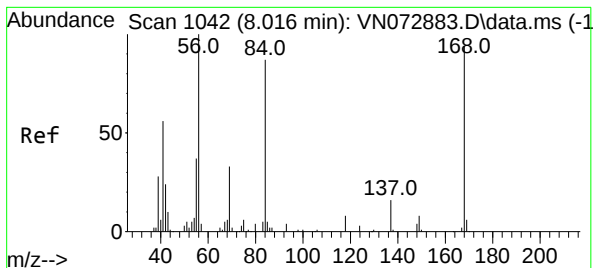
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061622W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 17 06:04:26 2022  
Response via : Initial Calibration

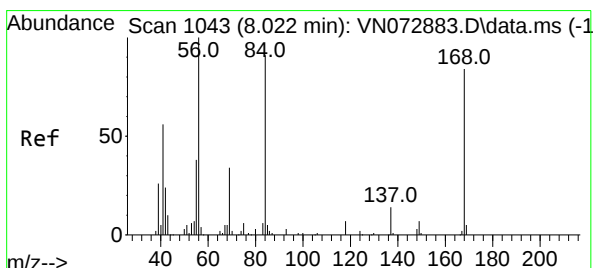
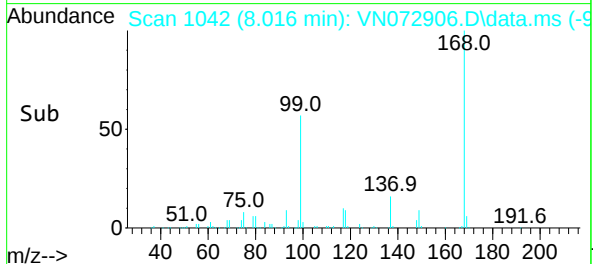
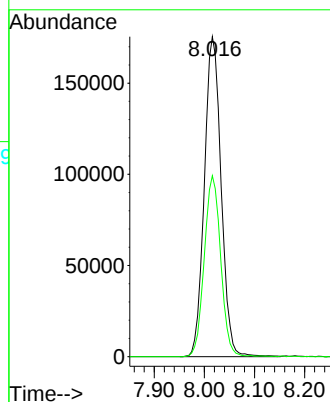
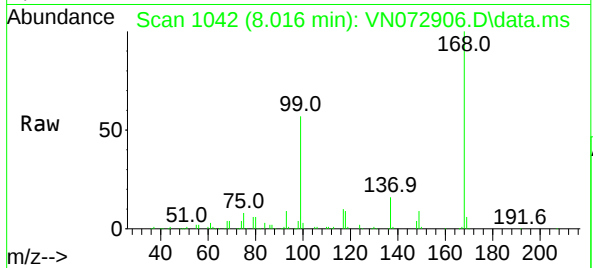




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

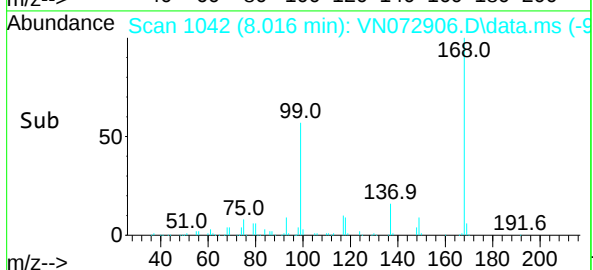
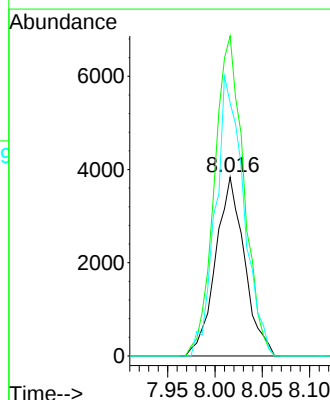
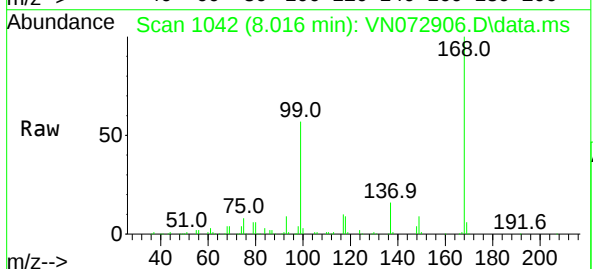
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MSVOA\_N  
ClientSampleId :

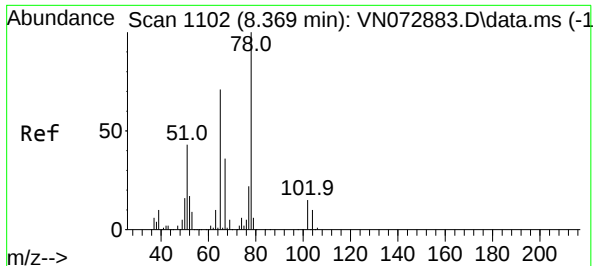
Tgt Ion:168 Resp: 407787  
Ion Ratio Lower Upper  
168 100  
99 56.6 42.3 63.5



#31  
Cyclohexane  
Concen: 0.809 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

Tgt Ion: 56 Resp: 8175  
Ion Ratio Lower Upper  
56 100  
69 179.1 27.8 41.8#  
84 141.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.838 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072906.D

Acq: 17 Jun 2022 02:31

Instrument :

MSVOA\_N

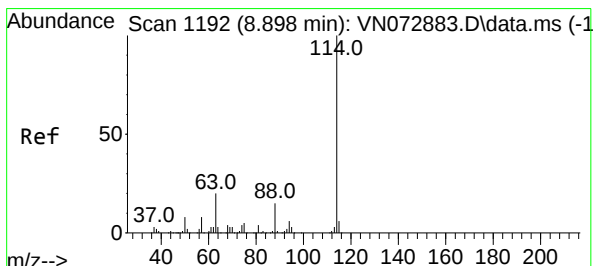
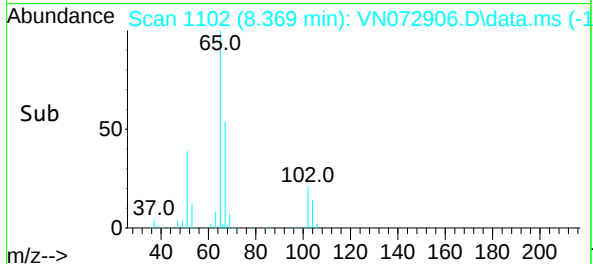
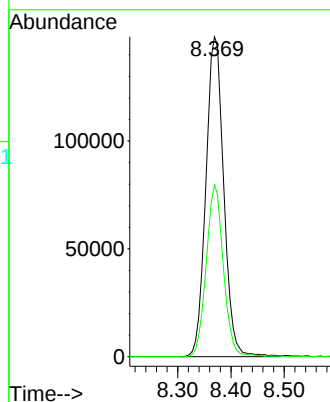
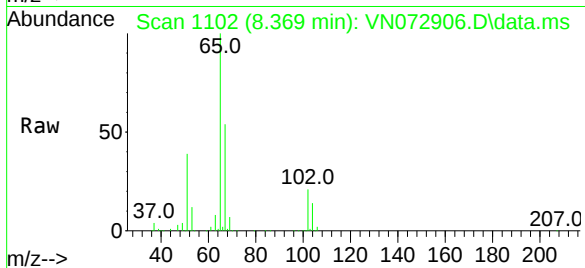
ClientSampleId :

Tgt Ion: 65 Resp: 345343

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072906.D

Acq: 17 Jun 2022 02:31

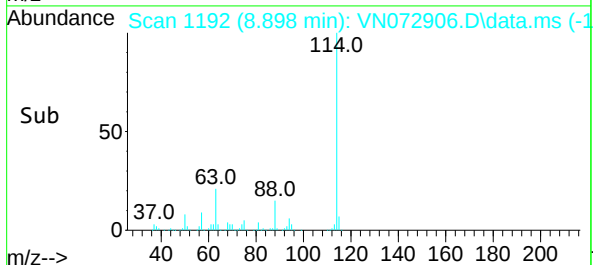
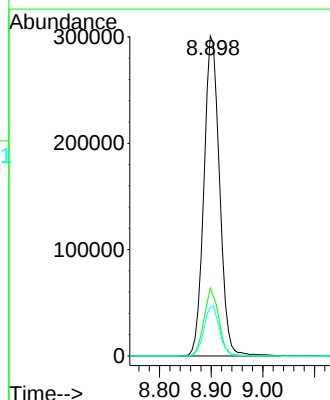
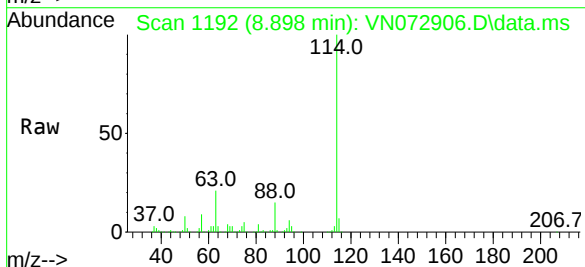
Tgt Ion: 114 Resp: 633193

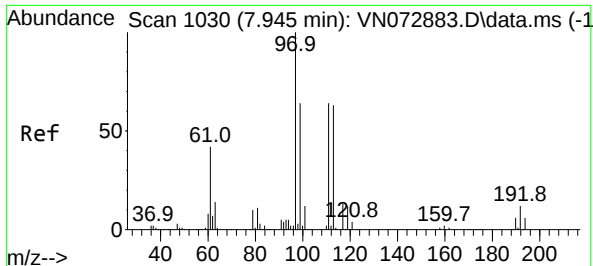
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.974 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN072906.D

Acq: 17 Jun 2022 02:31

Instrument :

MSVOA\_N

ClientSampleId :

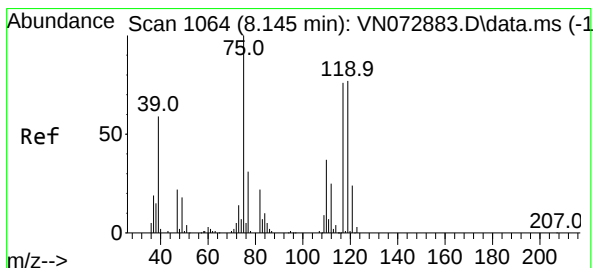
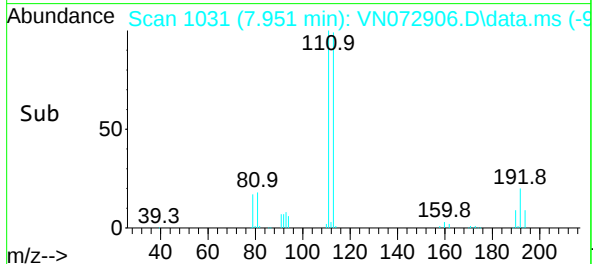
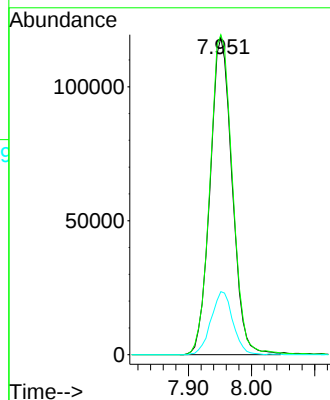
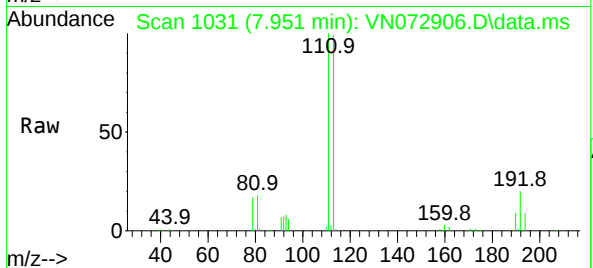
Tgt Ion:113 Resp: 287435

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 3.851 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN072906.D

Acq: 17 Jun 2022 02:31

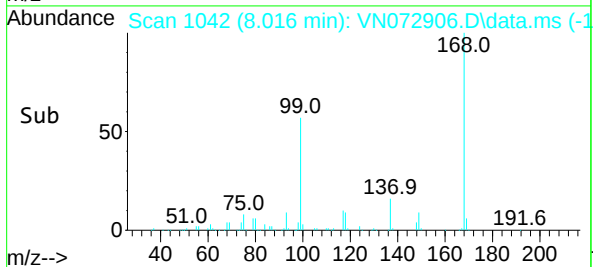
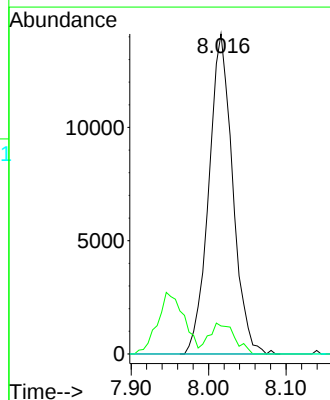
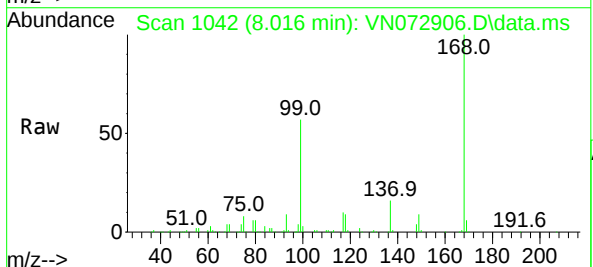
Tgt Ion: 75 Resp: 30249

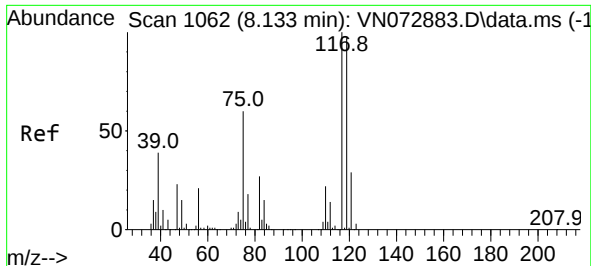
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

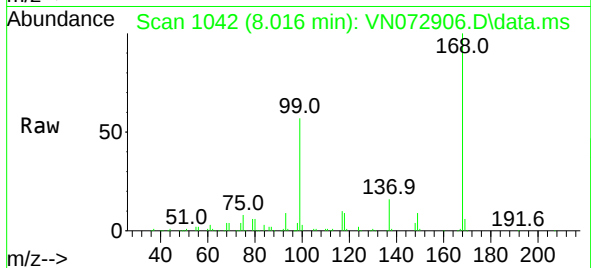
77 0.0 25.1 37.7#



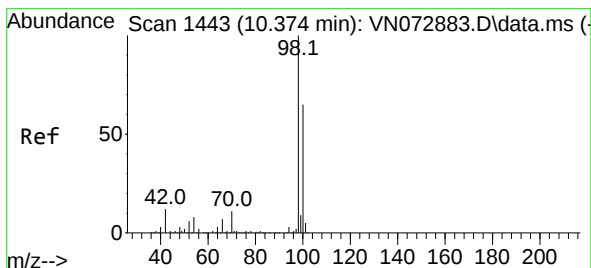
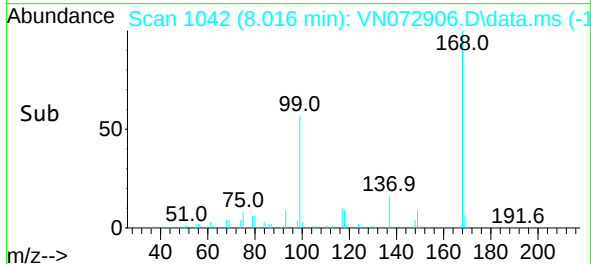
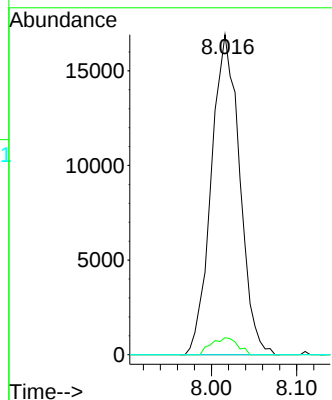


#38  
Carbon Tetrachloride  
Concen: 4.630 ug/l  
RT: 8.016 min Scan# 1062  
Delta R.T. -0.118 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

Instrument :  
MSVOA\_N  
ClientSampleId :

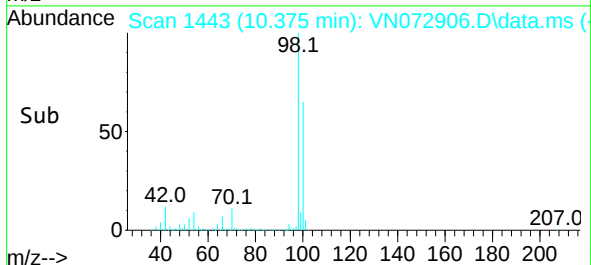
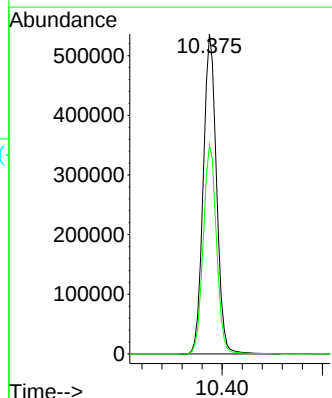
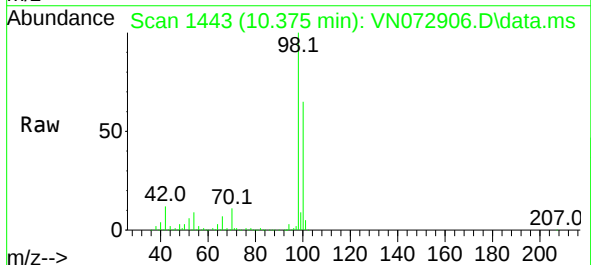


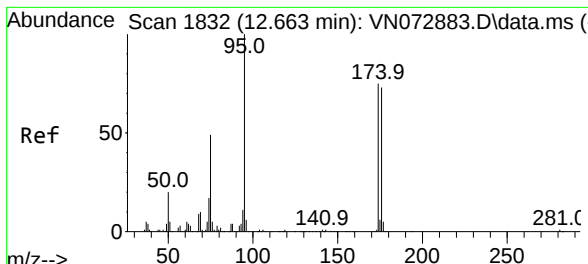
Tgt Ion:117 Resp: 39159  
Ion Ratio Lower Upper  
117 100  
119 5.3 75.8 113.8#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 43.707 ug/l  
RT: 10.375 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

Tgt Ion: 98 Resp: 984006  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.6 78.8

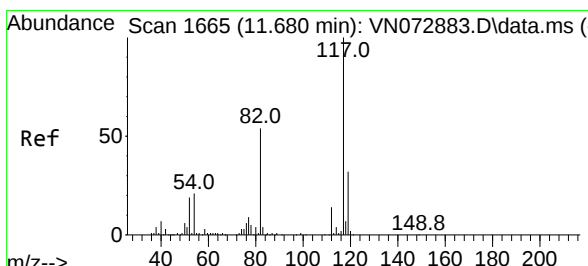
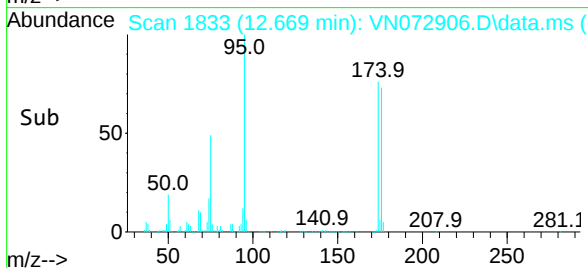
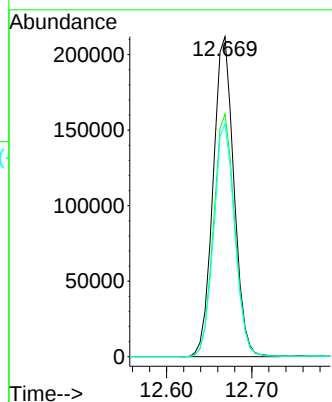
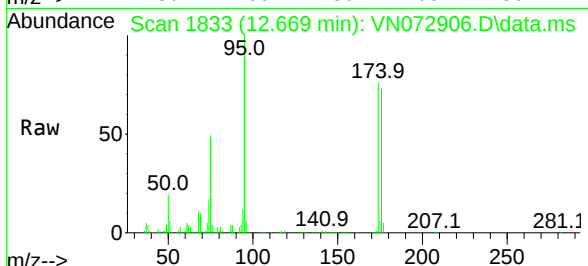




#62  
4-Bromofluorobenzene  
Concen: 45.979 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.006 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

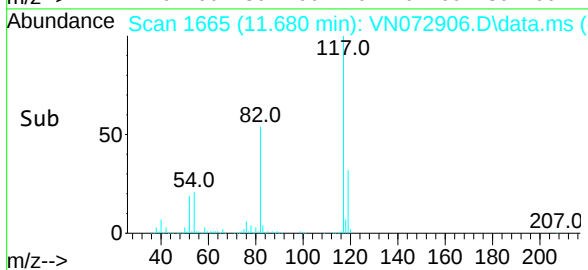
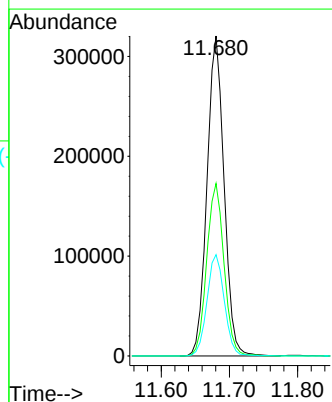
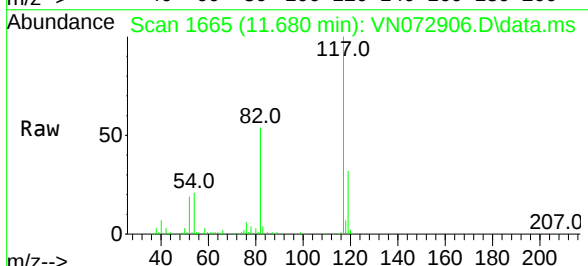
Instrument :  
MSVOA\_N  
ClientSampleId :

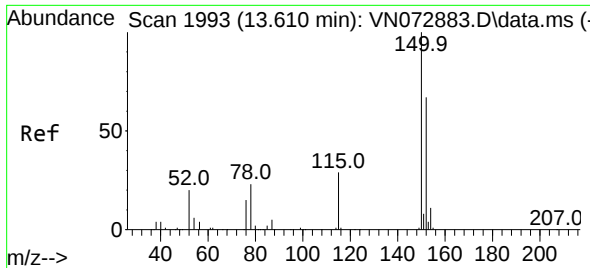
Tgt Ion: 95 Resp: 359089  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 167.6  
176 73.7 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.680 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

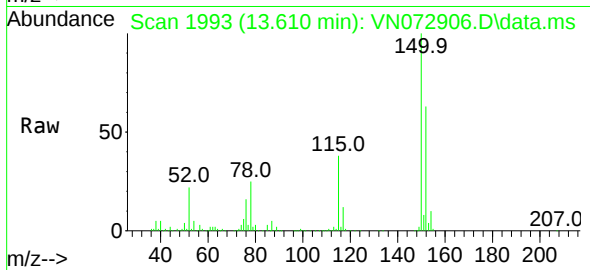
Tgt Ion: 117 Resp: 558011  
Ion Ratio Lower Upper  
117 100  
82 53.9 44.2 66.2  
119 31.6 25.4 38.0



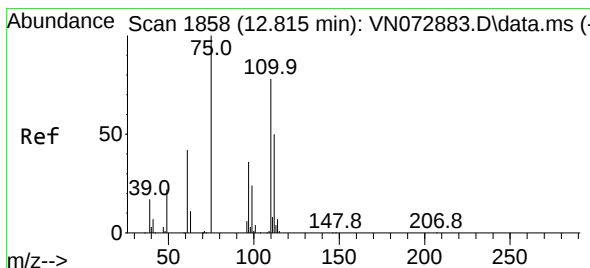
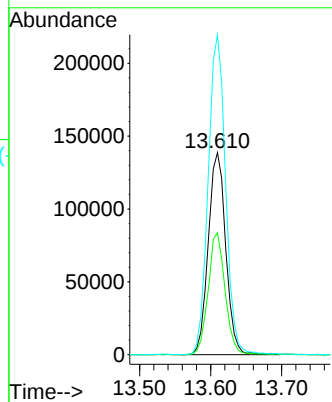
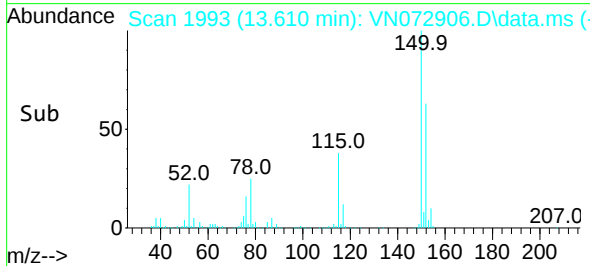


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.610 min Scan# 1993  
 Delta R.T. 0.000 min  
 Lab File: VN072906.D  
 Acq: 17 Jun 2022 02:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :

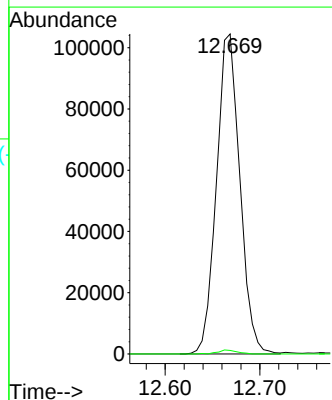
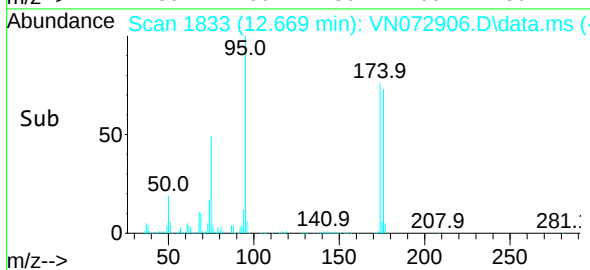
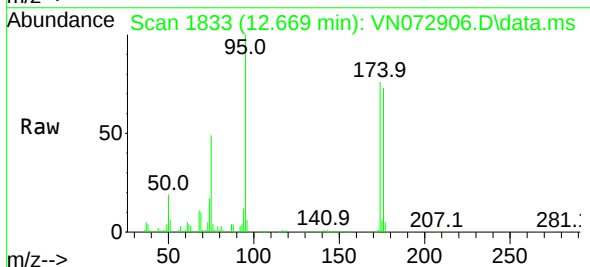


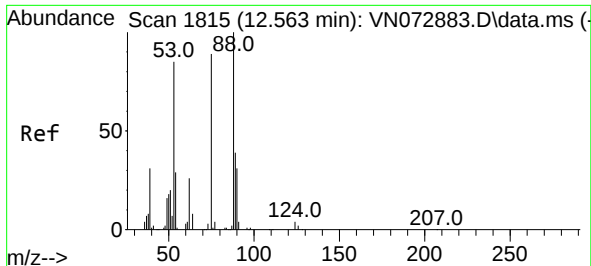
Tgt Ion:152 Resp: 237853  
 Ion Ratio Lower Upper  
 152 100  
 115 58.5 28.9 86.7  
 150 157.5 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 25.357 ug/l  
 RT: 12.669 min Scan# 1833  
 Delta R.T. -0.147 min  
 Lab File: VN072906.D  
 Acq: 17 Jun 2022 02:31

Tgt Ion: 75 Resp: 179274  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 98.5 295.5#

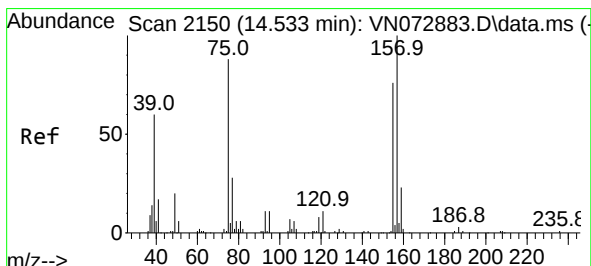
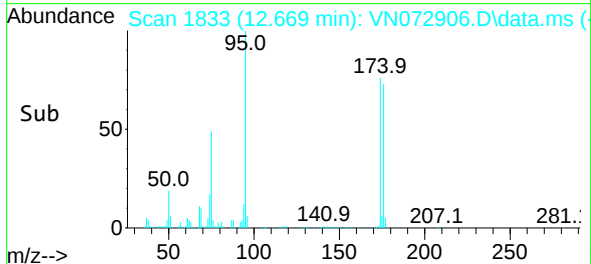
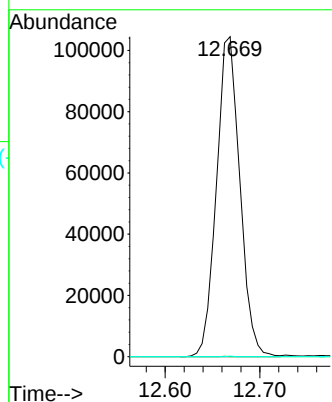
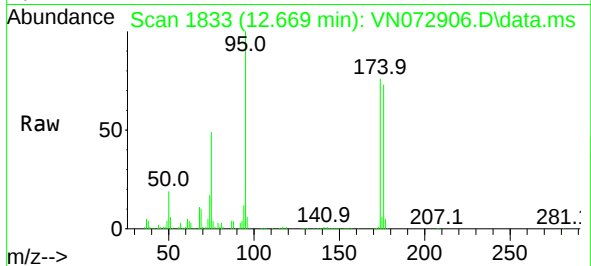




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.223 ug/l  
RT: 12.669 min Scan# 1815  
Delta R.T. 0.106 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

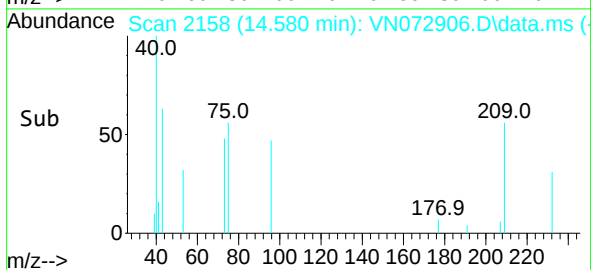
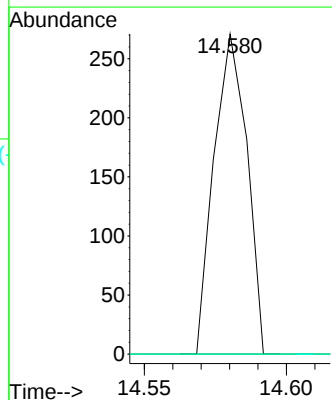
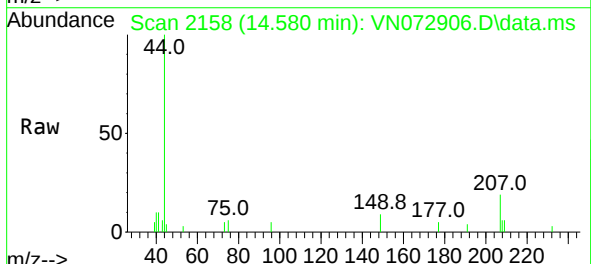
Instrument :  
MSVOA\_N  
ClientSampleId :

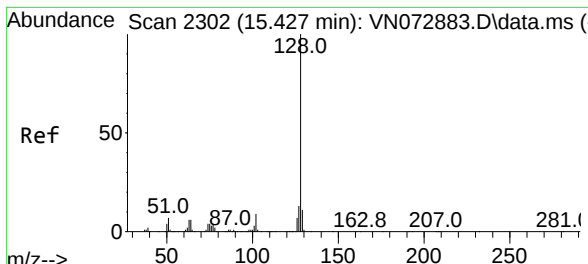
Tgt Ion: 75 Resp: 179274  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: Below Cal  
RT: 14.580 min Scan# 2158  
Delta R.T. 0.047 min  
Lab File: VN072906.D  
Acq: 17 Jun 2022 02:31

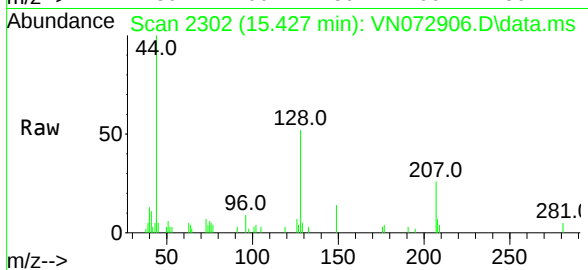
Tgt Ion: 75 Resp: 218  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.9 134.5#  
157 0.0 59.0 176.8#





#95  
 Naphthalene  
 Concen: 0.603 ug/l  
 RT: 15.427 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN072906.D  
 Acq: 17 Jun 2022 02:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 9084  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 9.1   | 10.3  | 15.5# |
| 129      | 0.0   | 8.6   | 13.0# |

