

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
 Data File : VN071619.D  
 Acq On : 28 Mar 2022 21:57  
 Operator : JC\MD  
 Sample : N2130-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Mar 29 09:51:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 29 09:32:37 2022  
 Response via : Initial Calibration

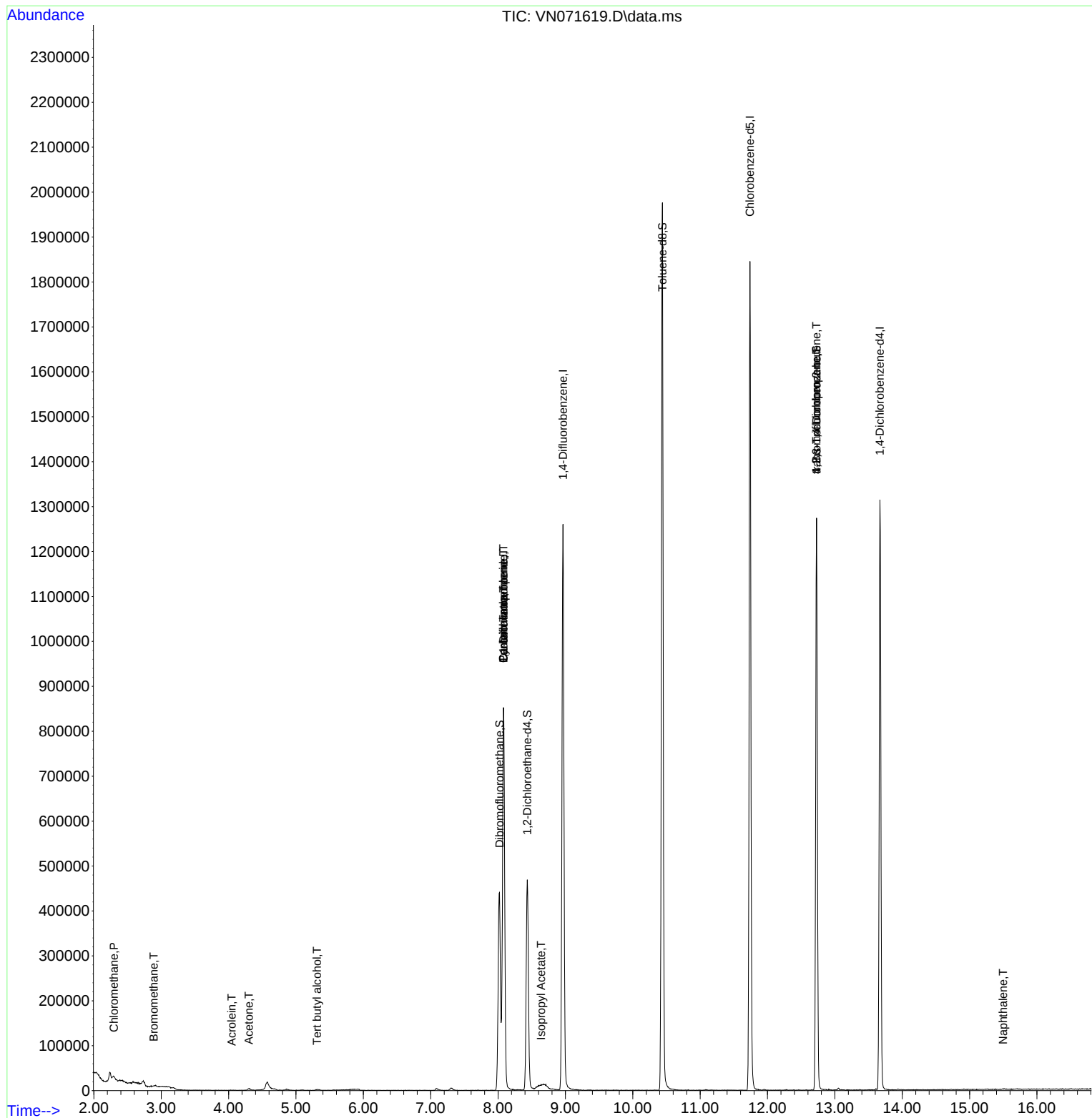
| Compound                      | R.T.   | QIon           | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|---------|----------|
| -----                         |        |                |          |           |         |          |
| Internal Standards            |        |                |          |           |         |          |
| 1) Pentafluorobenzene         | 8.081  | 168            | 700407   | 50.000    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114            | 1166997  | 50.000    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117            | 1139278  | 50.000    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.669 | 152            | 392752   | 50.000    | ug/l    | 0.00     |
| System Monitoring Compounds   |        |                |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.434  | 65             | 400322   | 47.669    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 61 - 141 | Recovery | =         | 95.340% |          |
| 35) Dibromofluoromethane      | 8.022  | 113            | 335004   | 46.742    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 69 - 133 | Recovery | =         | 93.480% |          |
| 50) Toluene-d8                | 10.439 | 98             | 1426790  | 48.262    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 65 - 126 | Recovery | =         | 96.520% |          |
| 62) 4-Bromofluorobenzene      | 12.727 | 95             | 454304   | 47.106    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 135 | Recovery | =         | 94.220% |          |
| Target Compounds              |        |                |          |           |         |          |
|                               |        |                |          |           | Qvalue  |          |
| 3) Chloromethane              | 2.299  | 50             | 2672     | 0.331     | ug/l #  | 82       |
| 5) Bromomethane               | 2.887  | 94             | 2146     | 0.407     | ug/l #  | 69       |
| 6) Chloroethane               | 2.793  | 64             | 1038     | Below Cal | #       | 64       |
| 11) Tert butyl alcohol        | 5.310  | 59             | 802      | 0.541     | ug/l #  | 72       |
| 13) Acrolein                  | 4.046  | 56             | 362      | 0.293     | ug/l #  | 35       |
| 16) Acetone                   | 4.299  | 43             | 3400     | 0.982     | ug/l #  | 64       |
| 18) Methyl Acetate            | 4.869  | 43             | 4905     | Below Cal | #       | 88       |
| 31) Cyclohexane               | 8.081  | 56             | 12773    | 1.089     | ug/l #  | 6        |
| 36) 1,1-Dichloropropene       | 8.081  | 75             | 49827    | 4.836     | ug/l #  | 48       |
| 38) Carbon Tetrachloride      | 8.081  | 117            | 63524    | 6.221     | ug/l #  | 17       |
| 43) Isopropyl Acetate         | 8.639  | 43             | 16111    | 1.081     | ug/l #  | 53       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75             | 225366   | 23.898    | ug/l #  | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75             | 225366   | 68.979    | ug/l #  | 11       |
| 95) Naphthalene               | 15.498 | 128            | 2033     | 4.788     | ug/l #  | 69       |
| -----                         |        |                |          |           |         |          |

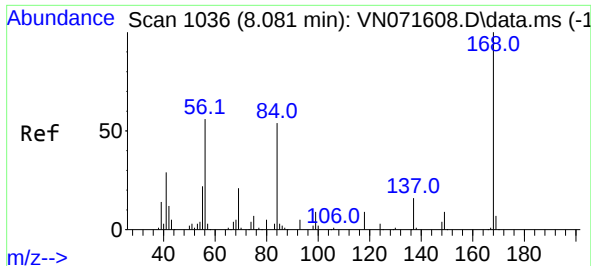
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
Data File : VN071619.D  
Acq On : 28 Mar 2022 21:57  
Operator : JC\MD  
Sample : N2130-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Quant Time: Mar 29 09:51:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 29 09:32:37 2022  
Response via : Initial Calibration

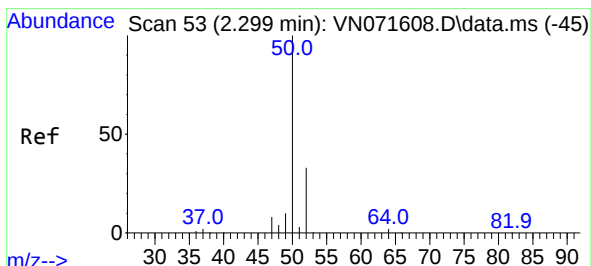
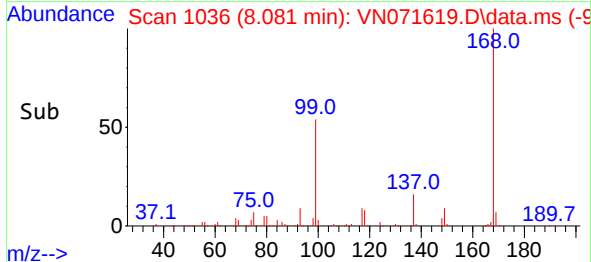
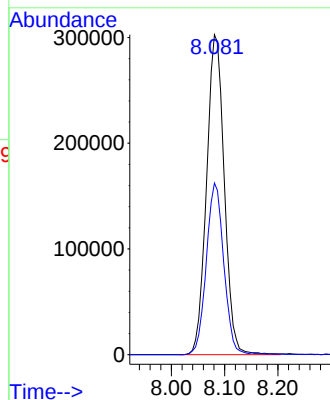
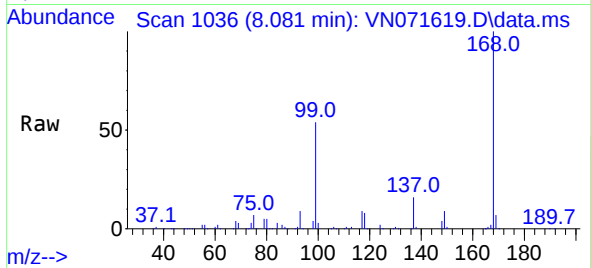




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

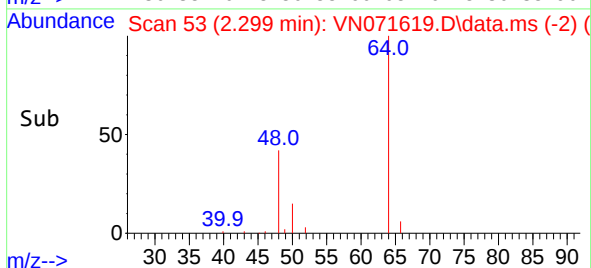
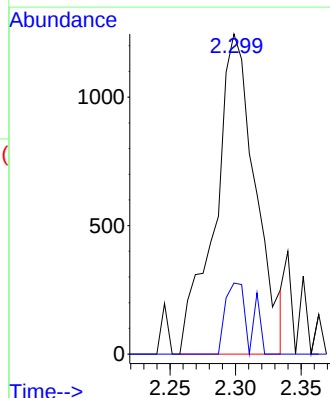
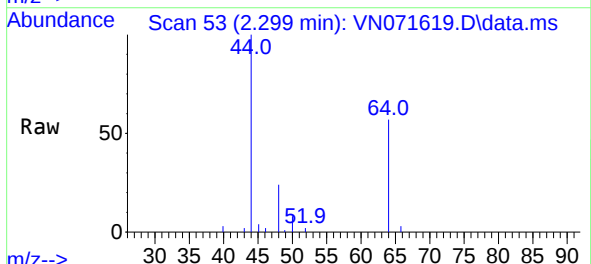
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

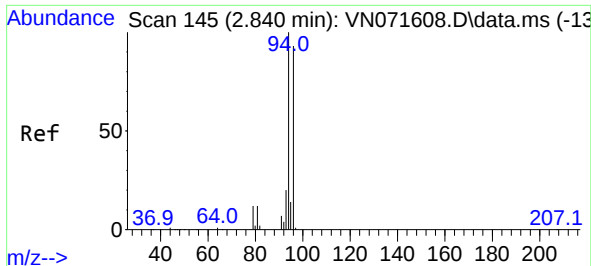
Tgt Ion:168 Resp: 700407  
Ion Ratio Lower Upper  
168 100  
99 53.7 42.3 63.5



#3  
Chloromethane  
Concen: 0.331 ug/l  
RT: 2.299 min Scan# 53  
Delta R.T. 0.000 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion: 50 Resp: 2672  
Ion Ratio Lower Upper  
50 100  
52 22.2 25.7 38.5#

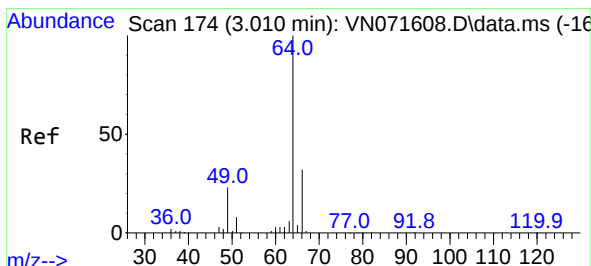
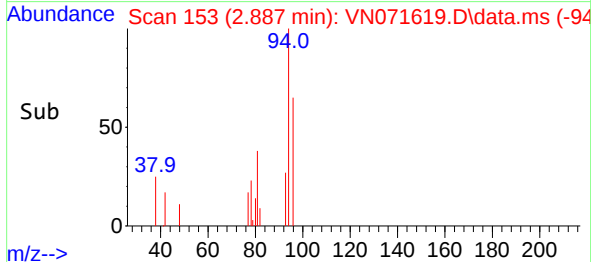
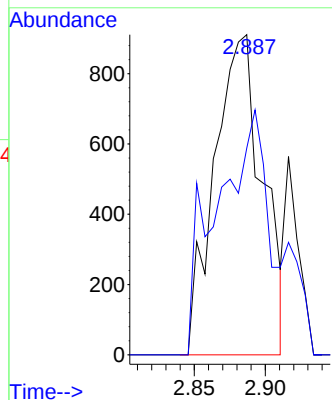
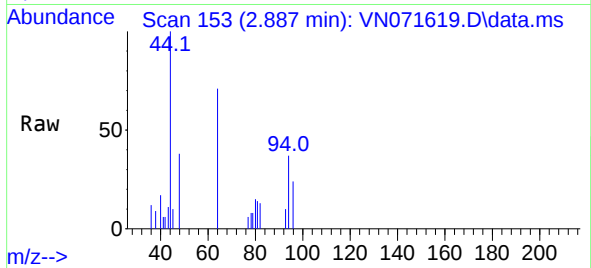




#5  
Bromomethane  
Concen: 0.407 ug/l  
RT: 2.887 min Scan# 11  
Delta R.T. 0.047 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

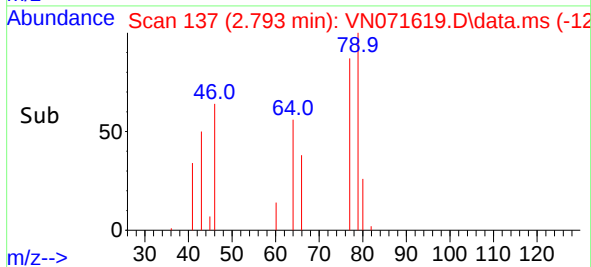
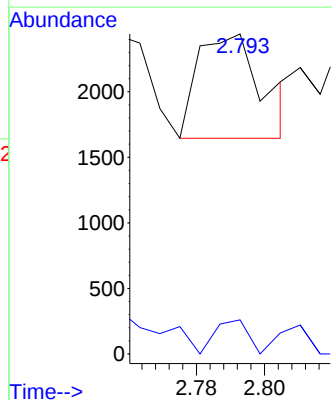
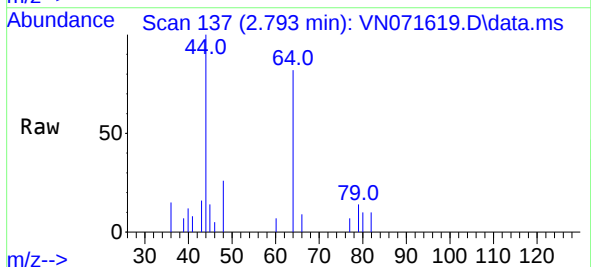
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

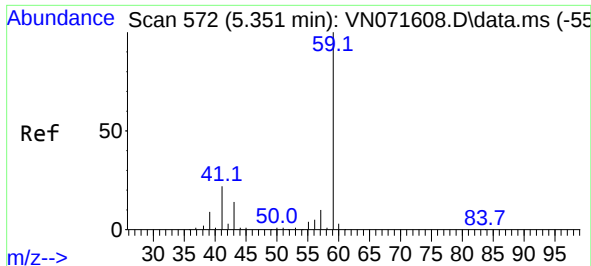
Tgt Ion: 94 Resp: 2146  
Ion Ratio Lower Upper  
94 100  
96 64.5 76.0 114.0#



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.793 min Scan# 137  
Delta R.T. -0.217 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion: 64 Resp: 1038  
Ion Ratio Lower Upper  
64 100  
66 12.6 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.541 ug/l

RT: 5.310 min Scan# 50

Delta R.T. -0.041 min

Lab File: VN071619.D

Acq: 28 Mar 2022 21:57

Instrument :

MSVOA\_N

ClientSampleId :

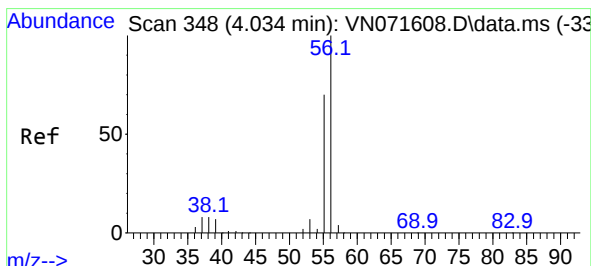
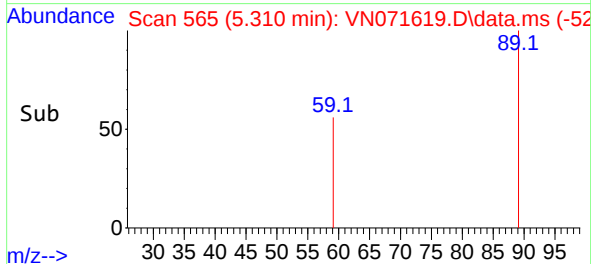
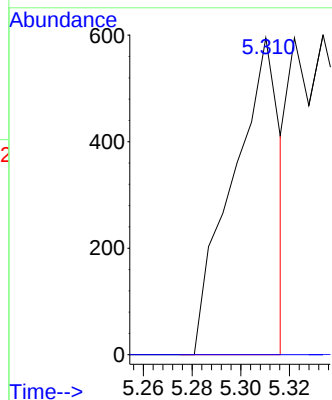
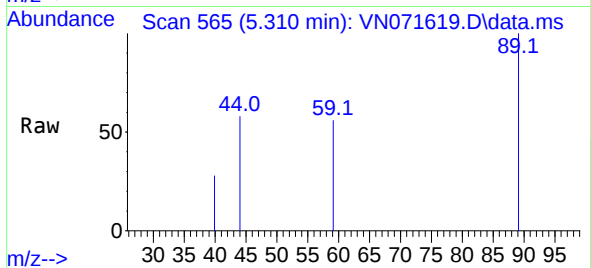
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 59 Resp: 802

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.293 ug/l

RT: 4.046 min Scan# 350

Delta R.T. 0.012 min

Lab File: VN071619.D

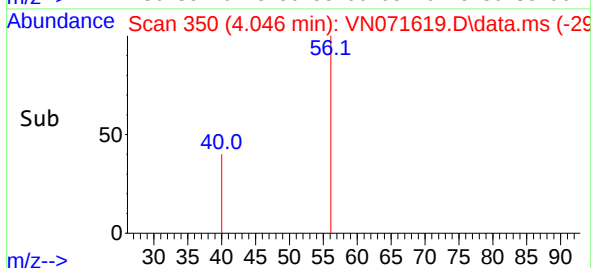
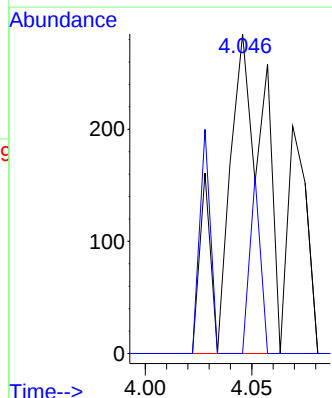
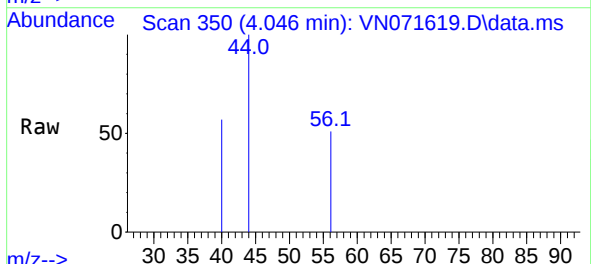
Acq: 28 Mar 2022 21:57

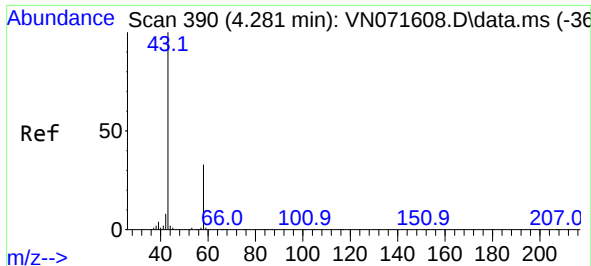
Tgt Ion: 56 Resp: 362

Ion Ratio Lower Upper

56 100

55 15.5 54.8 82.2#

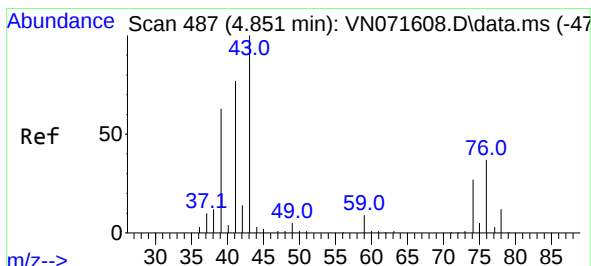
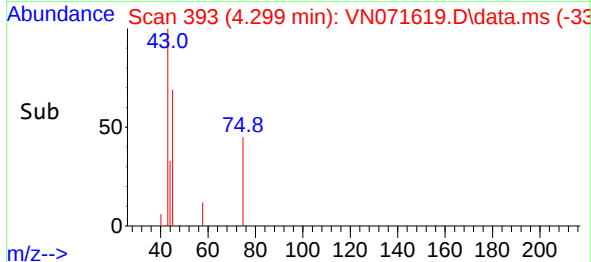
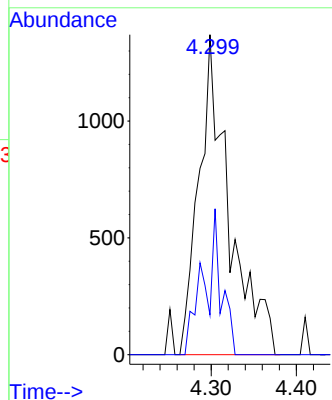
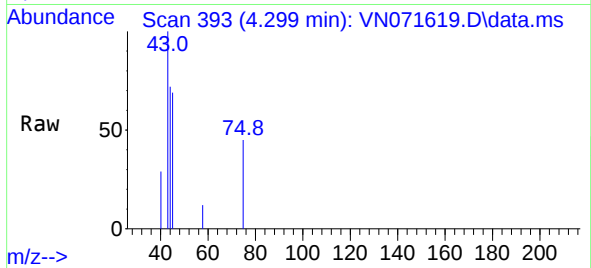




#16  
Acetone  
Concen: 0.982 ug/l  
RT: 4.299 min Scan# 393  
Delta R.T. 0.018 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

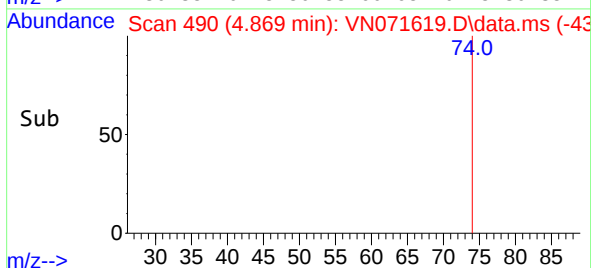
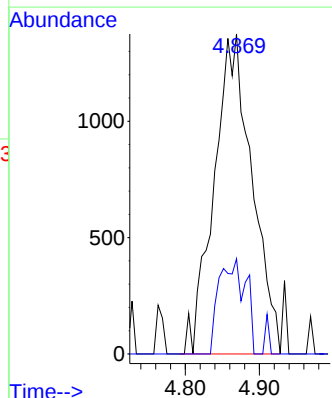
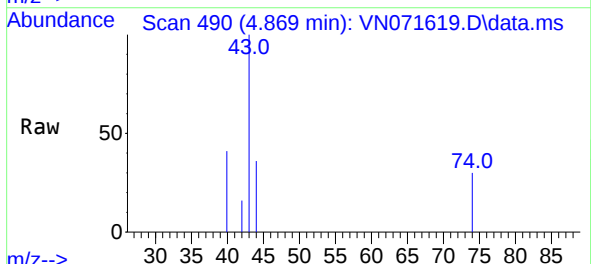
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

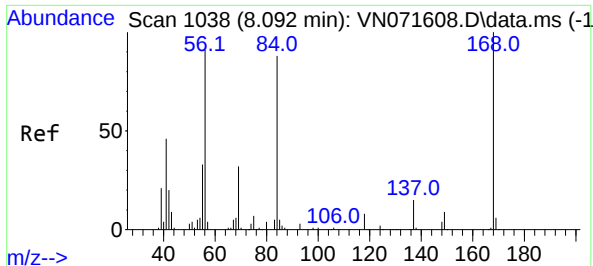
Tgt Ion: 43 Resp: 3400  
Ion Ratio Lower Upper  
43 100  
58 12.5 26.0 39.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.869 min Scan# 490  
Delta R.T. 0.018 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion: 43 Resp: 4905  
Ion Ratio Lower Upper  
43 100  
74 20.7 21.6 32.4#

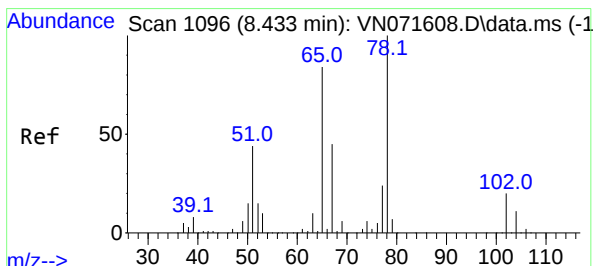
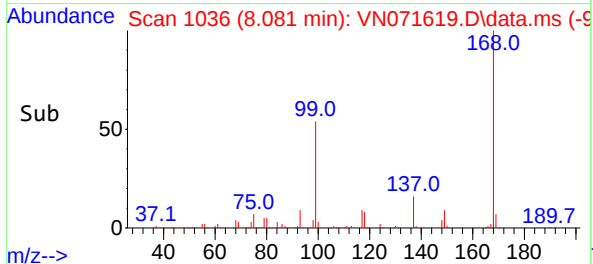
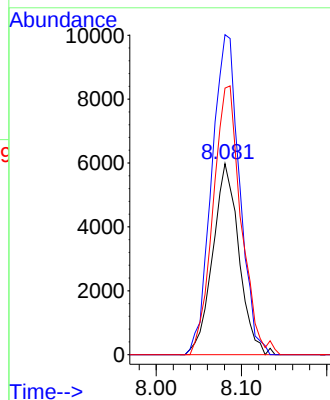
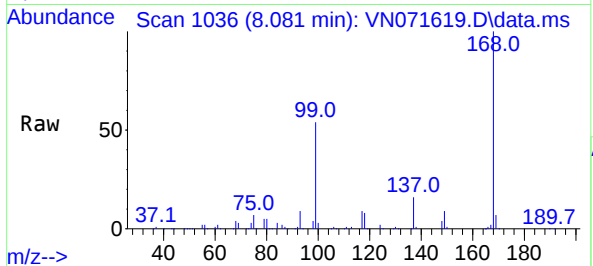




#31  
Cyclohexane  
Concen: 1.089 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.012 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

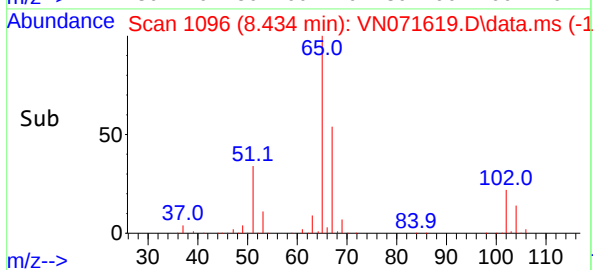
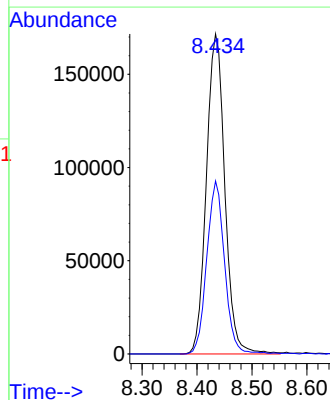
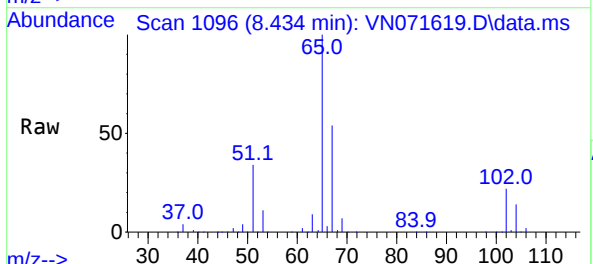
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

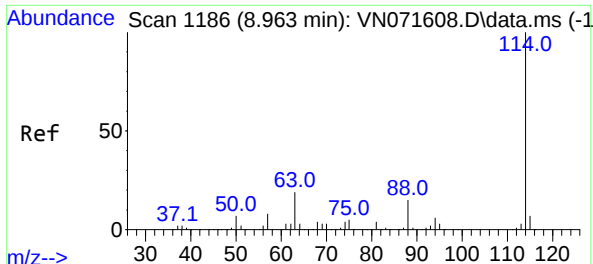
Tgt Ion: 56 Resp: 12773  
Ion Ratio Lower Upper  
56 100  
69 167.5 27.8 41.8#  
84 139.5 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 47.669 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion: 65 Resp: 400322  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071619.D

Acq: 28 Mar 2022 21:57

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

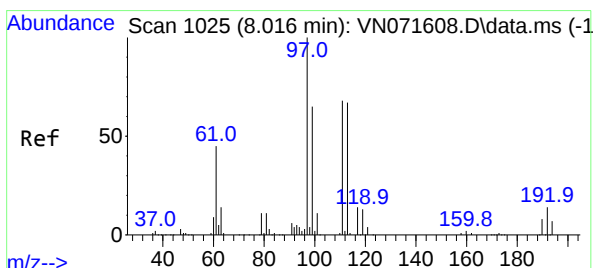
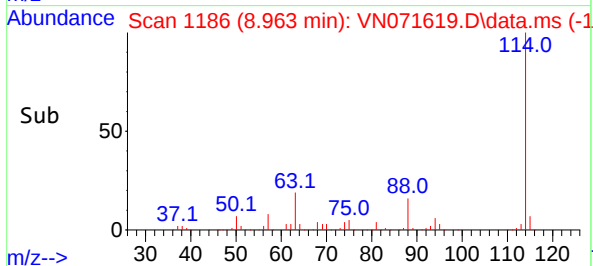
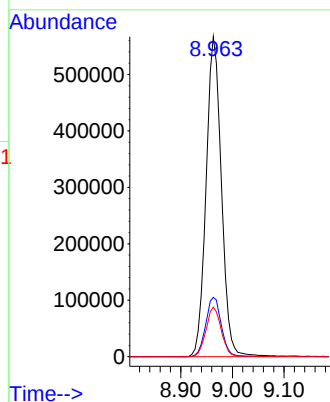
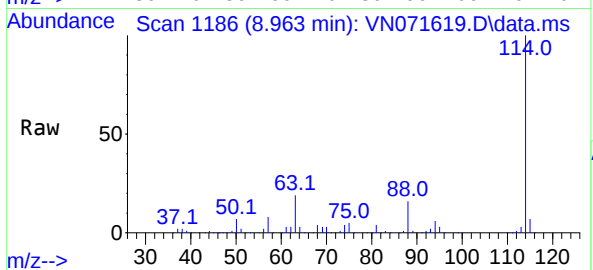
Tgt Ion:114 Resp: 1166997

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.742 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071619.D

Acq: 28 Mar 2022 21:57

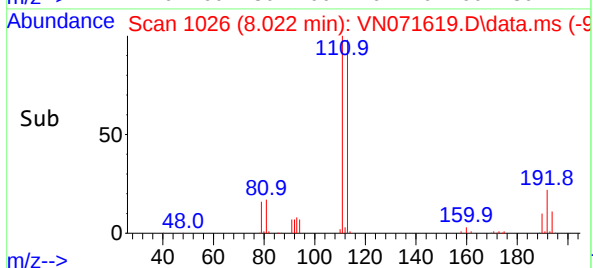
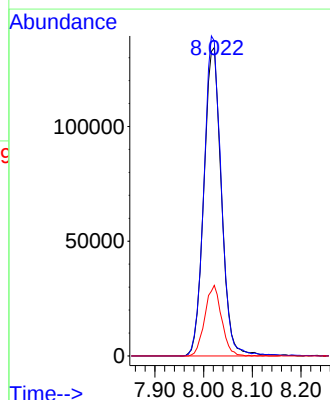
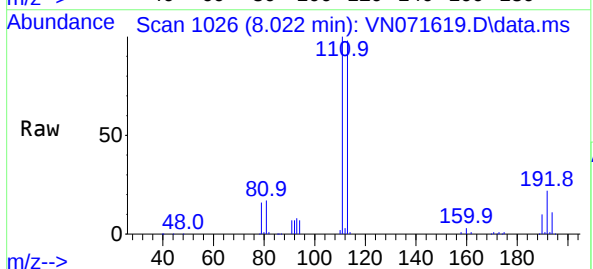
Tgt Ion:113 Resp: 335004

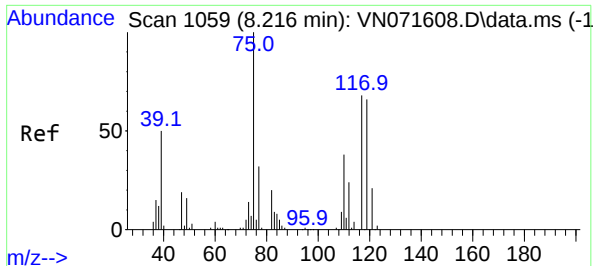
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 21.8 17.0 25.6

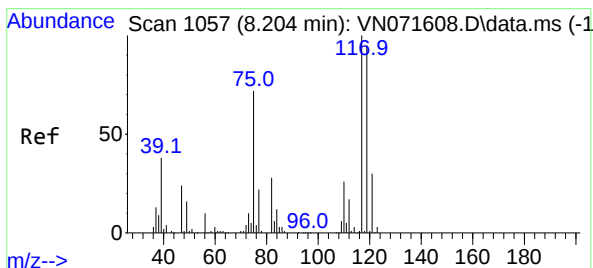
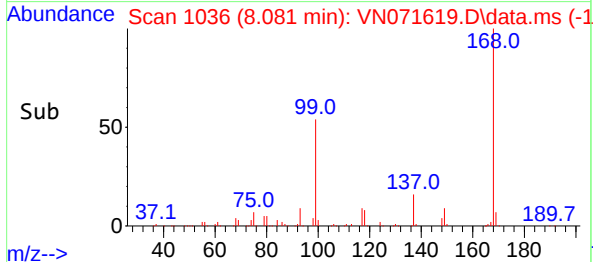
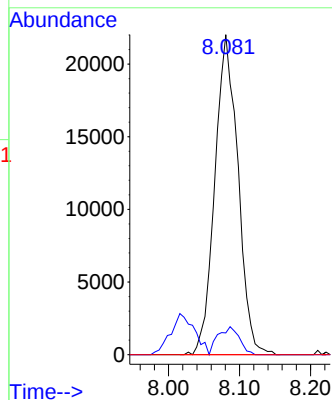
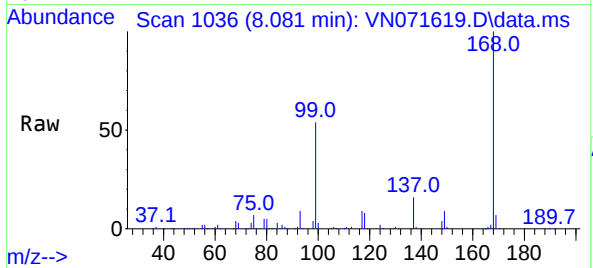




#36  
1,1-Dichloropropene  
Concen: 4.836 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.135 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

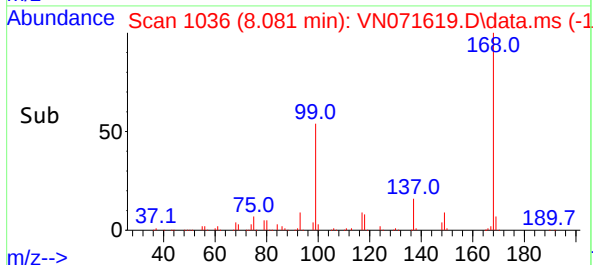
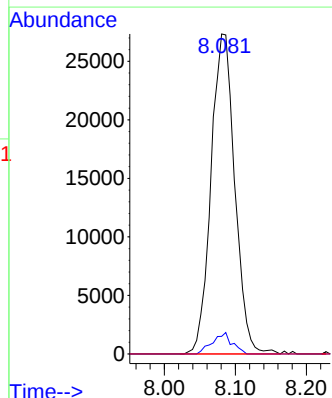
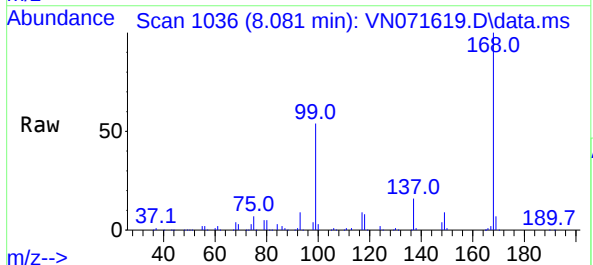
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

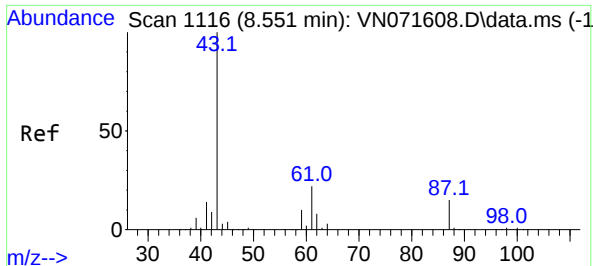
Tgt Ion: 75 Resp: 49827  
Ion Ratio Lower Upper  
75 100  
110 8.0 18.3 54.8#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.221 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.123 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion: 117 Resp: 63524  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.8 113.8#  
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 1.081 ug/l

RT: 8.639 min Scan# 1116

Delta R.T. 0.088 min

Lab File: VN071619.D

Acq: 28 Mar 2022 21:57

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

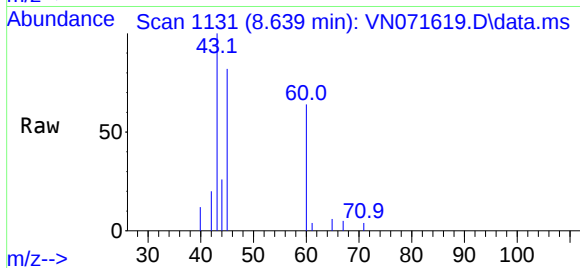
Tgt Ion: 43 Resp: 16111

Ion Ratio Lower Upper

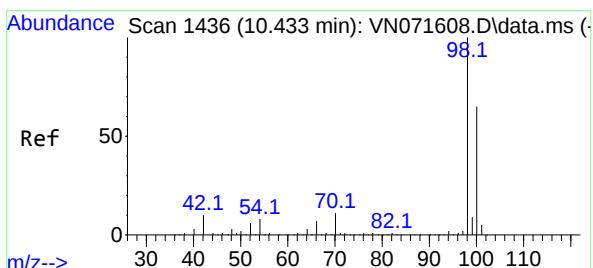
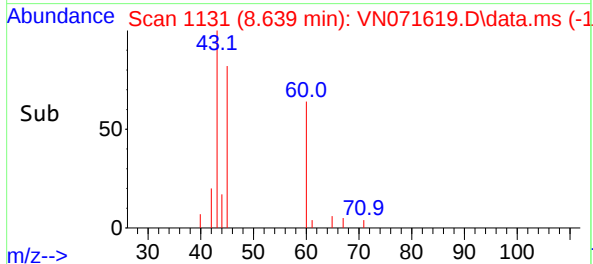
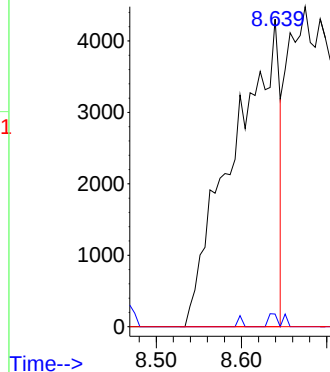
43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



Abundance



#50

Toluene-d8

Concen: 48.262 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.006 min

Lab File: VN071619.D

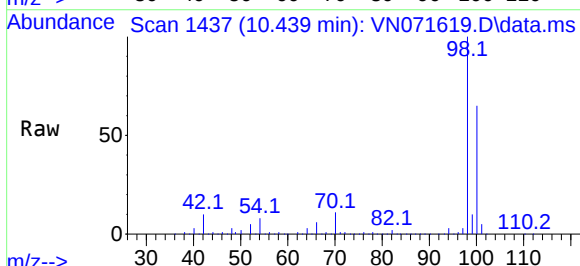
Acq: 28 Mar 2022 21:57

Tgt Ion: 98 Resp: 1426790

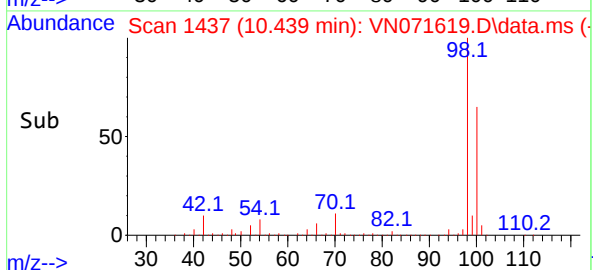
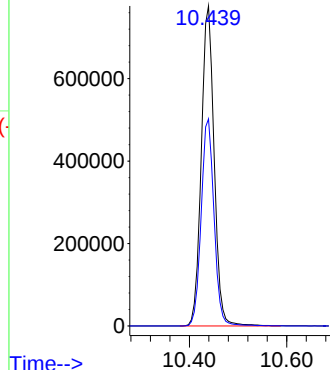
Ion Ratio Lower Upper

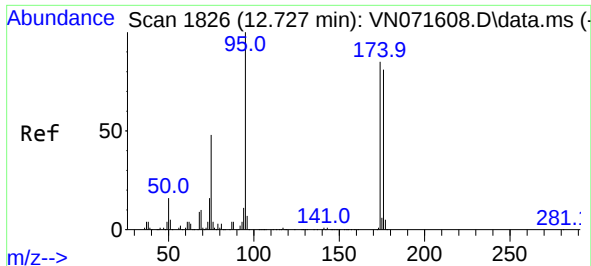
98 100

100 64.8 52.6 78.8



Abundance

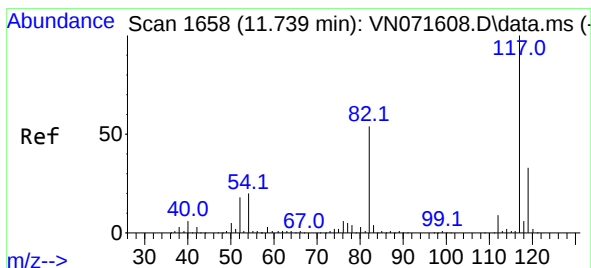
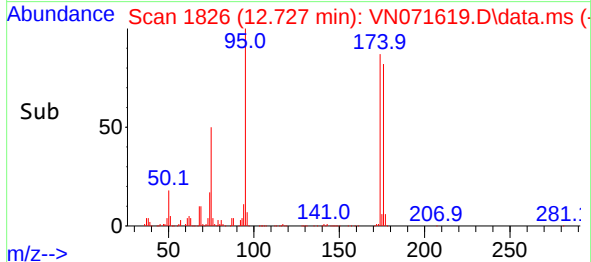
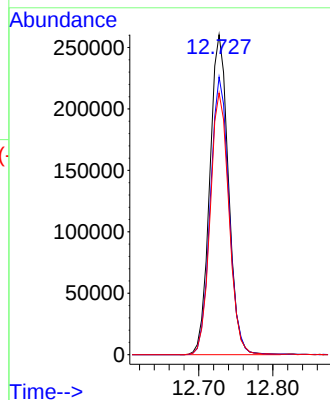
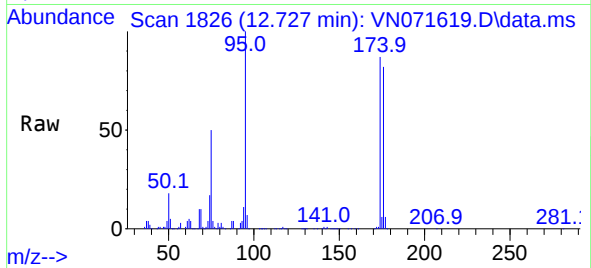




#62  
4-Bromofluorobenzene  
Concen: 47.106 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

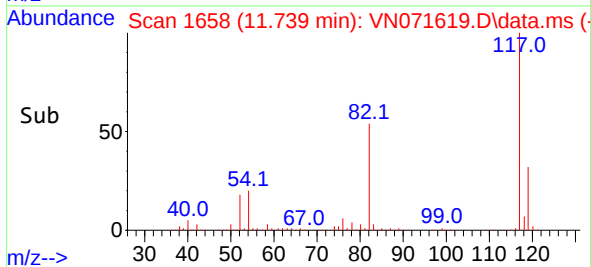
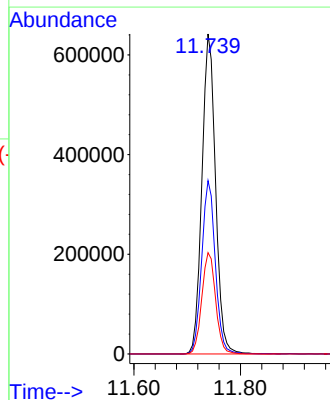
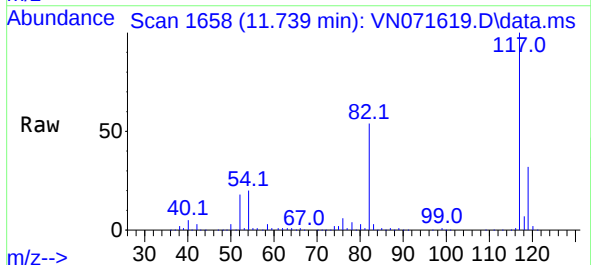
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

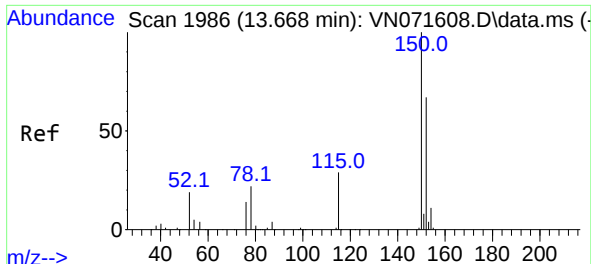
Tgt Ion: 95 Resp: 454304  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 167.6  
176 82.4 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion: 117 Resp: 1139278  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.2 66.2  
119 31.7 25.4 38.0

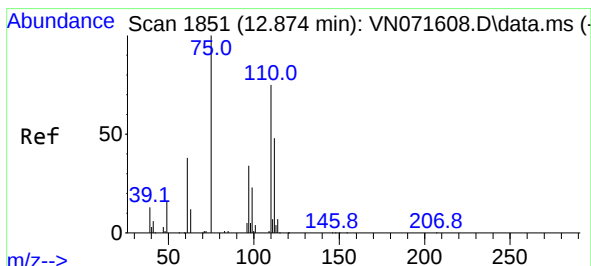
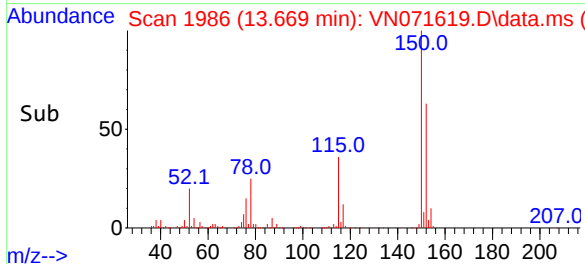
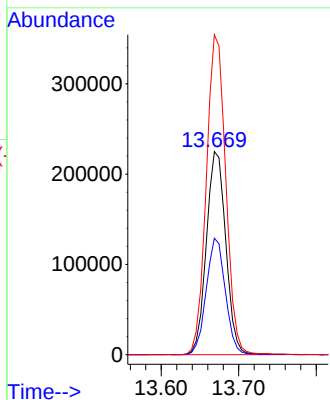
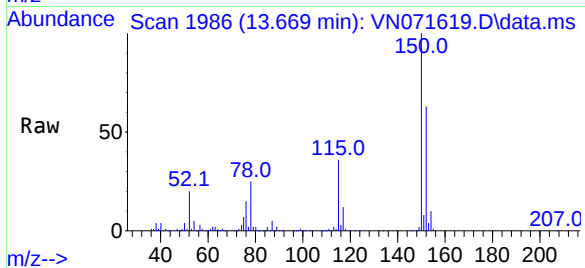




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.669 min Scan# 1986  
 Delta R.T. 0.000 min  
 Lab File: VN071619.D  
 Acq: 28 Mar 2022 21:57

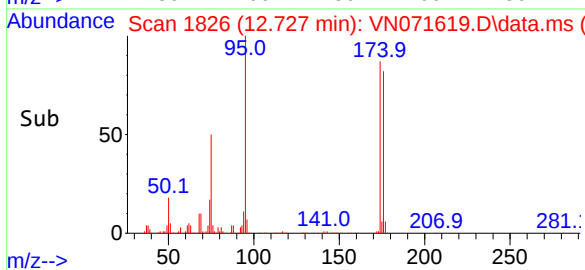
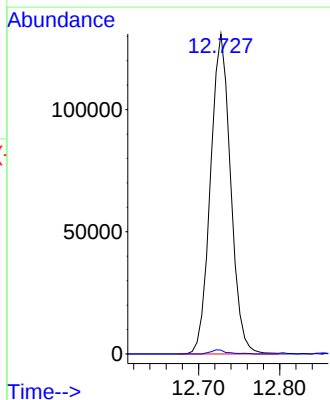
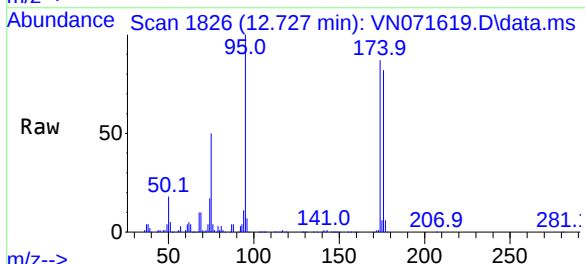
Instrument : MSVOA\_N  
 ClientSampleId : STORAGE-BLANK-WATER-REF-5

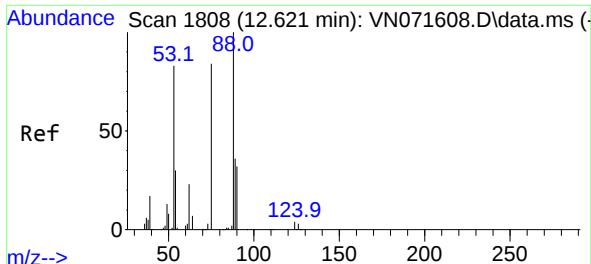
Tgt Ion:152 Resp: 392752  
 Ion Ratio Lower Upper  
 152 100  
 115 56.5 28.9 86.7  
 150 157.5 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 23.898 ug/l  
 RT: 12.727 min Scan# 1826  
 Delta R.T. -0.147 min  
 Lab File: VN071619.D  
 Acq: 28 Mar 2022 21:57

Tgt Ion: 75 Resp: 225366  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 98.5 295.5#

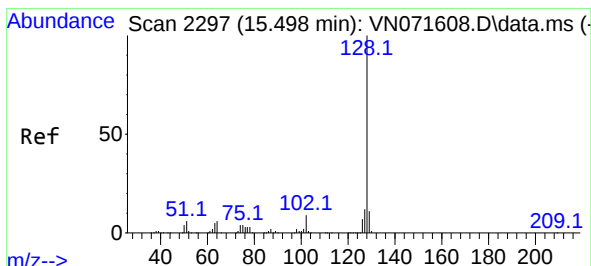
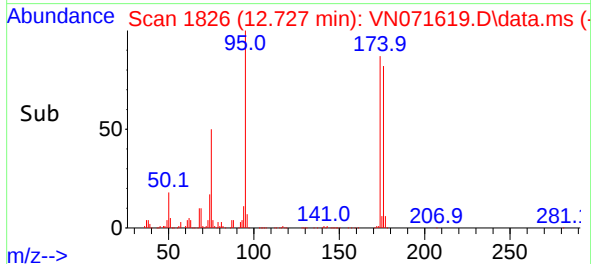
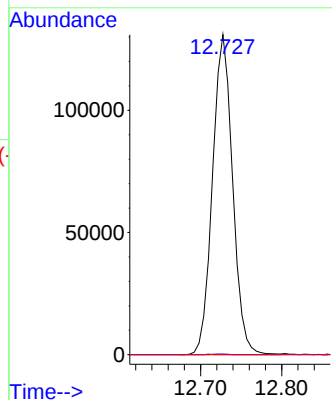
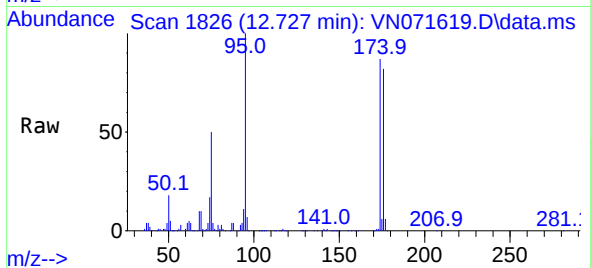




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.979 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.106 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 225366  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.0 37.2 55.8#



#95  
Naphthalene  
Concen: 4.788 ug/l  
RT: 15.498 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VN071619.D  
Acq: 28 Mar 2022 21:57

Tgt Ion:128 Resp: 2033  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.6 13.0#

