

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040422\  
 Data File : VN071830.D  
 Acq On : 04 Apr 2022 14:41  
 Operator : JC\MD  
 Sample : N2233-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 05 01:18:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

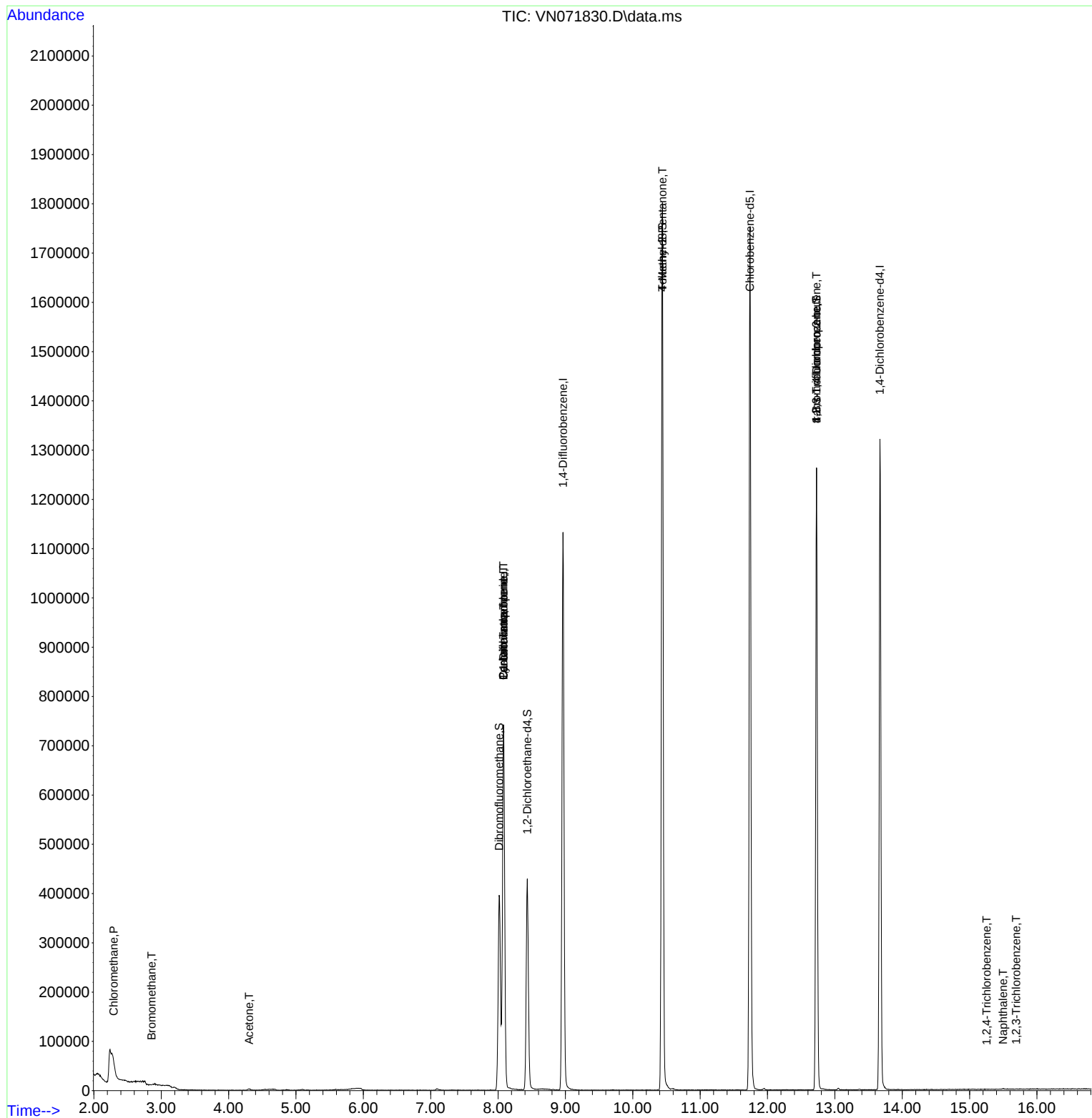
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.081          | 168  | 612875              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963          | 114  | 1060608             | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 1073789             | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.669         | 152  | 392679              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434          | 65   | 351157              | 50.189    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 100.380% |           |        |          |
| 35) Dibromofluoromethane      | 8.016          | 113  | 298335              | 47.802    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 95.600%  |           |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 1319327             | 51.676    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 103.360% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 450740              | 54.589    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 109.180% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      | Qvalue              |           |        |          |
| 3) Chloromethane              | 2.293          | 50   | 2966                | 0.480     | ug/l # | 43       |
| 5) Bromomethane               | 2.857          | 94   | 1529                | 0.347     | ug/l # | 61       |
| 16) Acetone                   | 4.304          | 43   | 1972                | 0.660     | ug/l # | 42       |
| 18) Methyl Acetate            | 4.857          | 43   | 1111                | Below Cal | #      | 86       |
| 31) Cyclohexane               | 8.081          | 56   | 11145               | 1.171     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081          | 75   | 42566               | 4.884     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.081          | 117  | 55516               | 6.500     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.439         | 43   | 4650                | 0.510     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 219114              | 24.087    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 219114              | 74.645    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.251         | 180  | 74                  | 2.097     | ug/l # | 1        |
| 95) Naphthalene               | 15.498         | 128  | 1779                | 3.895     | ug/l # | 84       |
| 96) 1,2,3-Trichlorobenzene    | 15.692         | 180  | 102                 | 2.430     | ug/l # | 55       |
| -----                         |                |      |                     |           |        |          |

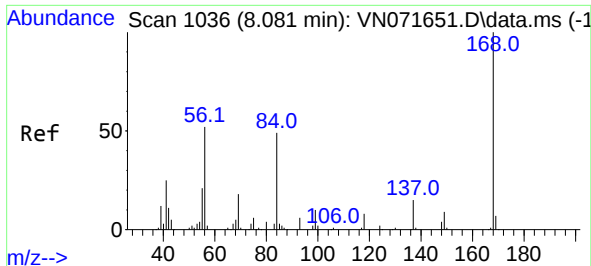
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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Quant Title : SW846 8260  
QLast Update : Thu Mar 31 01:57:54 2022  
Response via : Initial Calibration

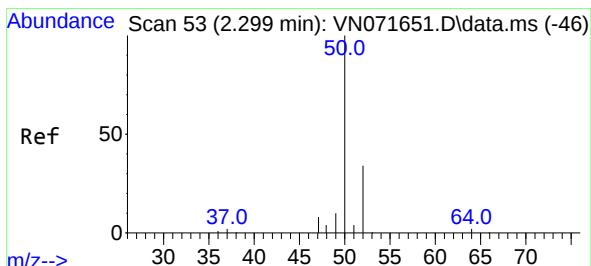
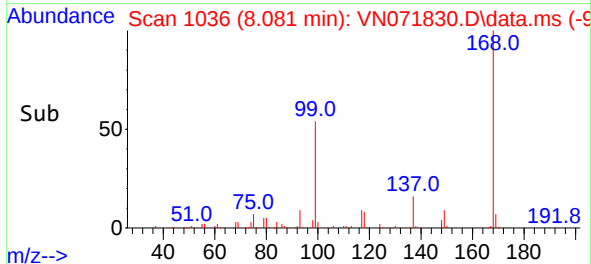
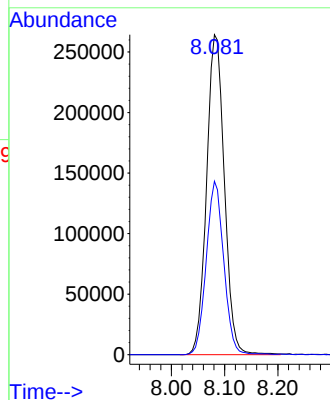
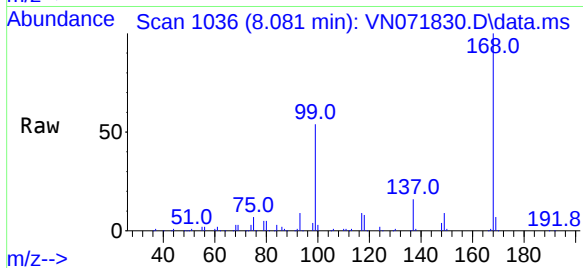




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

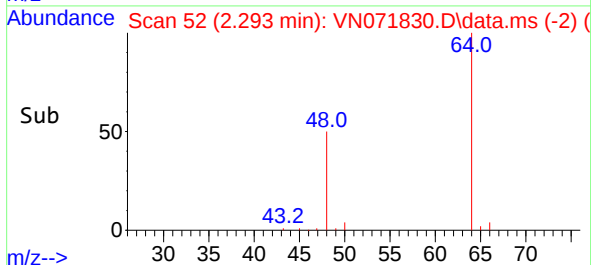
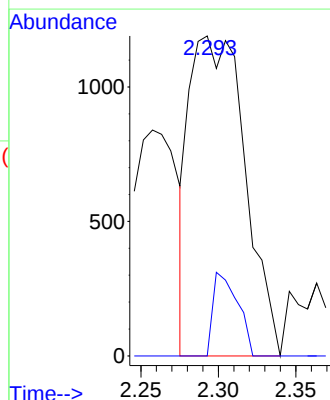
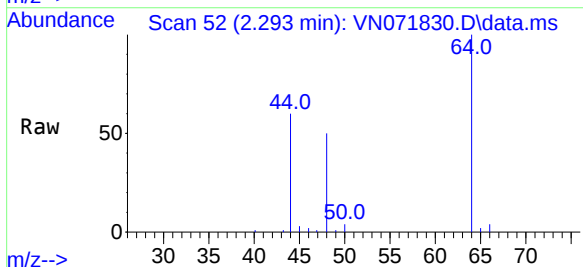
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

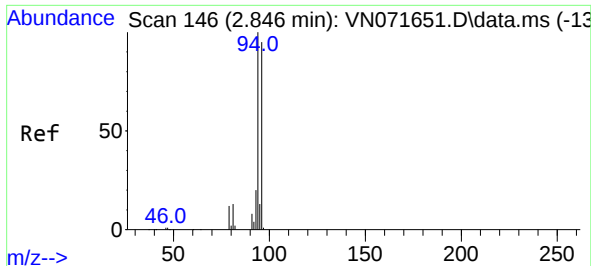
Tgt Ion:168 Resp: 612875  
Ion Ratio Lower Upper  
168 100  
99 54.2 42.3 63.5



#3  
Chloromethane  
Concen: 0.480 ug/l  
RT: 2.293 min Scan# 52  
Delta R.T. -0.006 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 50 Resp: 2966  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

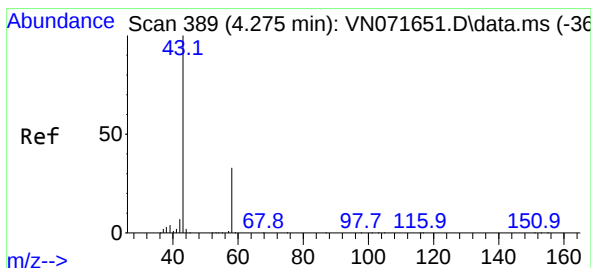
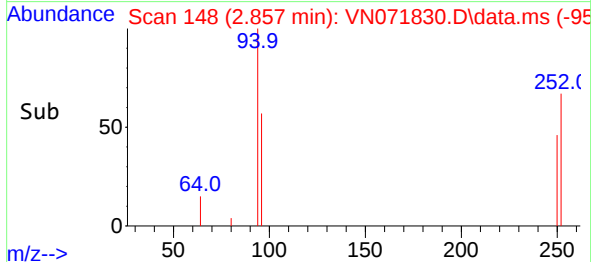
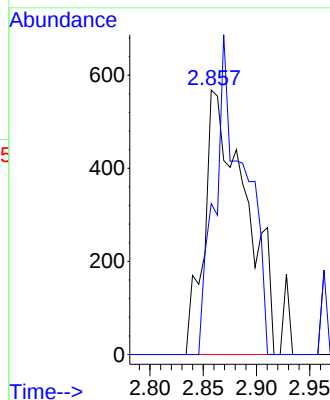
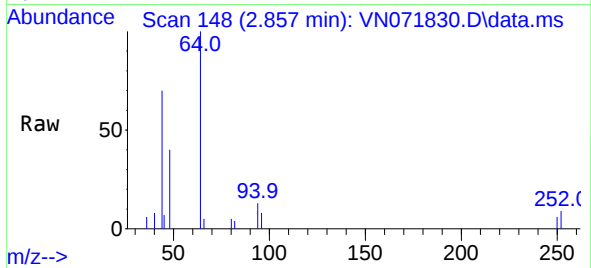




#5  
Bromomethane  
Concen: 0.347 ug/l  
RT: 2.857 min Scan# 146  
Delta R.T. 0.011 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

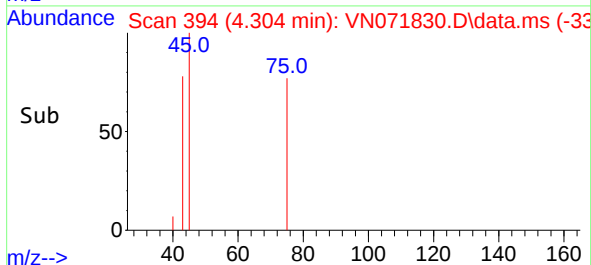
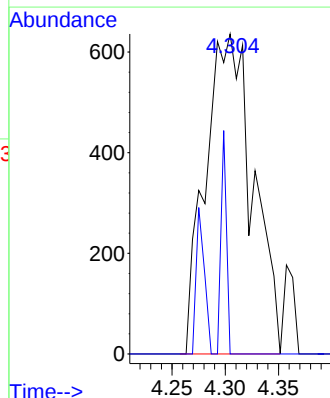
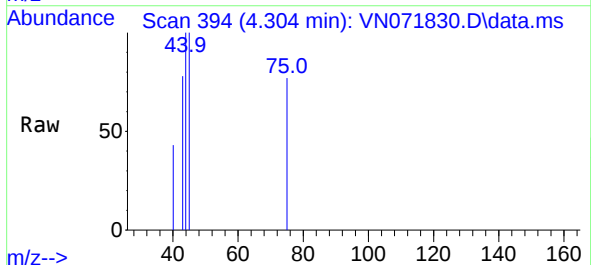
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

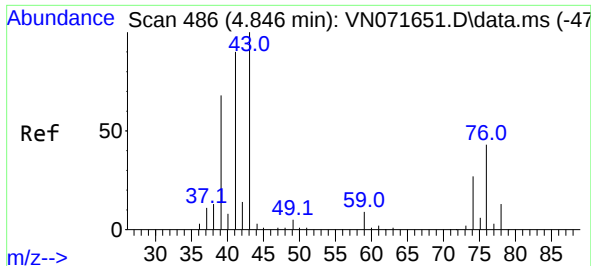
Tgt Ion: 94 Resp: 1529  
Ion Ratio Lower Upper  
94 100  
96 57.0 76.0 114.0#



#16  
Acetone  
Concen: 0.660 ug/l  
RT: 4.304 min Scan# 394  
Delta R.T. 0.029 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 43 Resp: 1972  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.0 39.0#

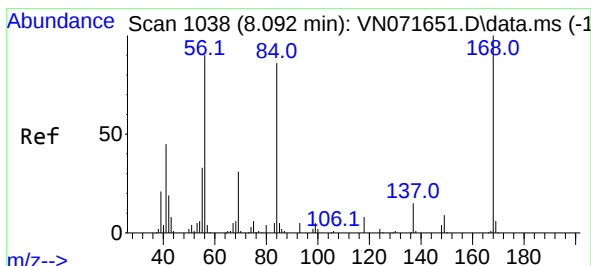
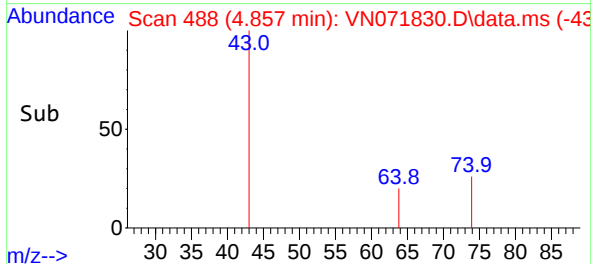
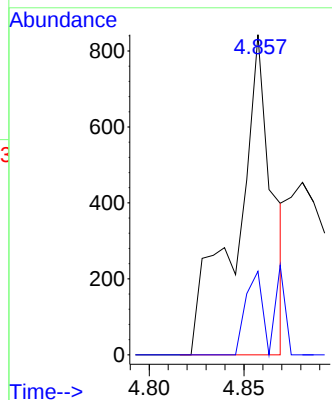
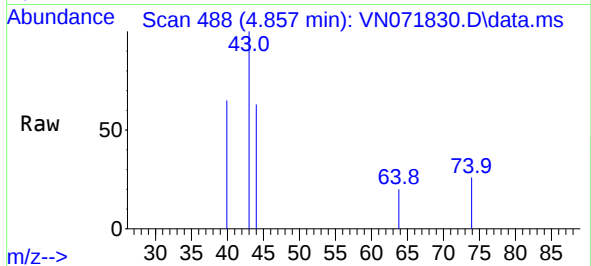




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.857 min Scan# 41  
Delta R.T. 0.011 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

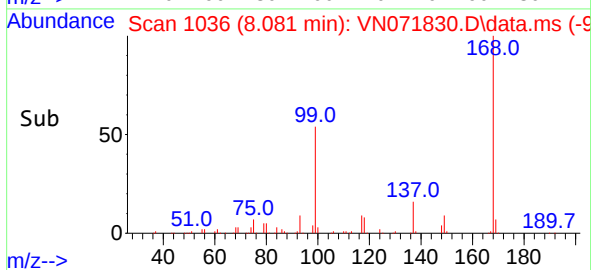
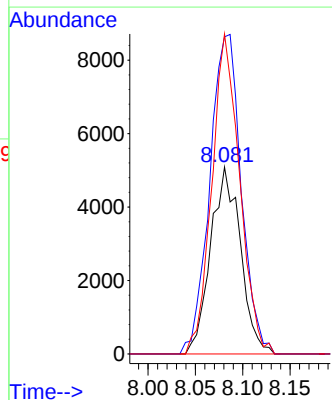
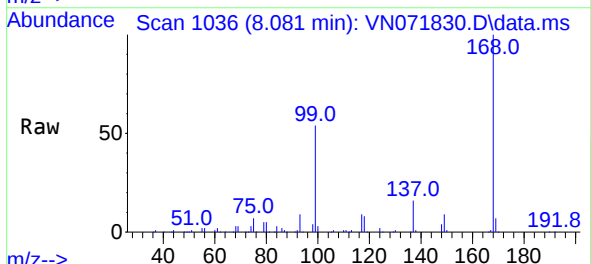
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

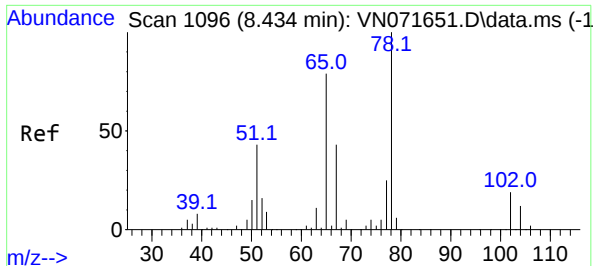
Tgt Ion: 43 Resp: 1111  
Ion Ratio Lower Upper  
43 100  
74 19.6 21.6 32.4#



#31  
Cyclohexane  
Concen: 1.171 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.011 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 56 Resp: 11145  
Ion Ratio Lower Upper  
56 100  
69 169.6 27.8 41.8#  
84 171.2 76.9 115.3#

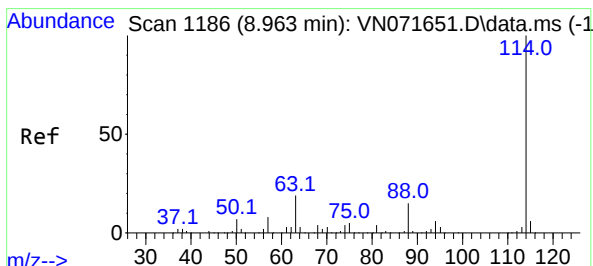
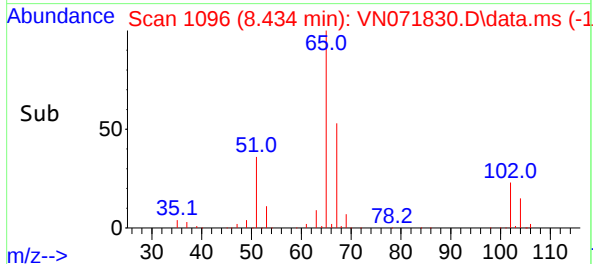
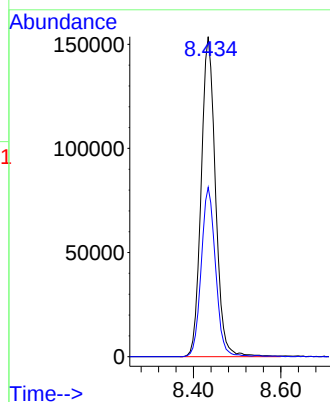
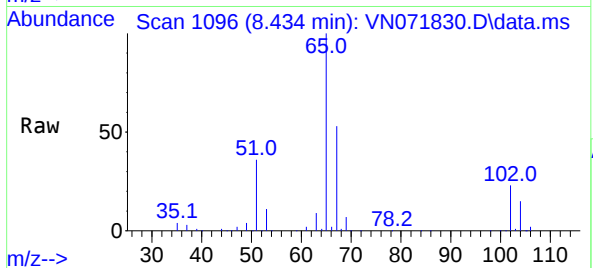




#33  
1,2-Dichloroethane-d4  
Concen: 50.189 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

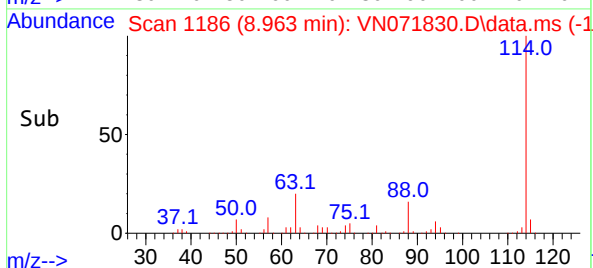
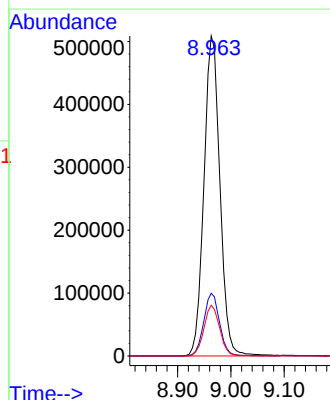
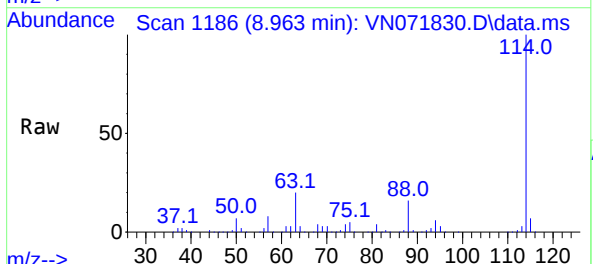
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

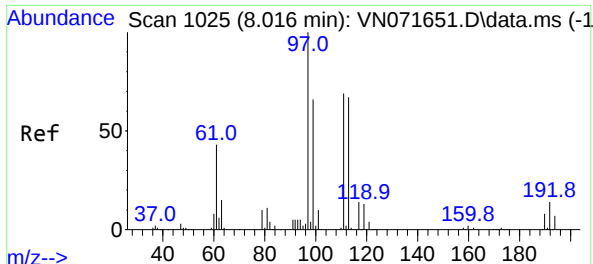
Tgt Ion: 65 Resp: 351157  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 114 Resp: 1060608  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 40.0  
88 15.8 0.0 32.6

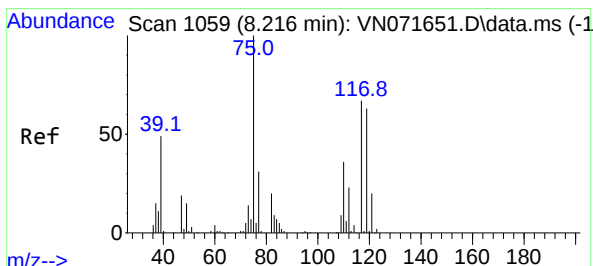
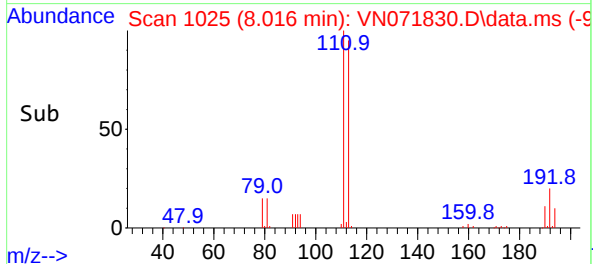
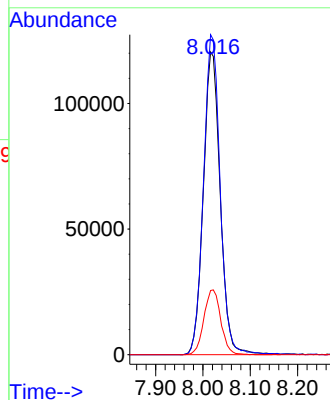
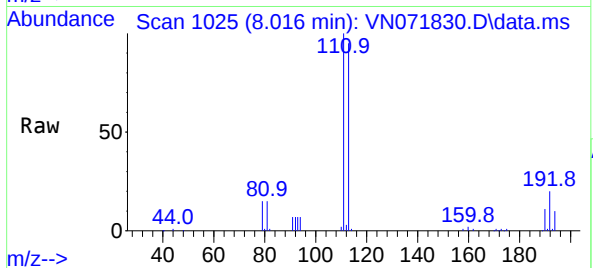




#35  
Dibromofluoromethane  
Concen: 47.802 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

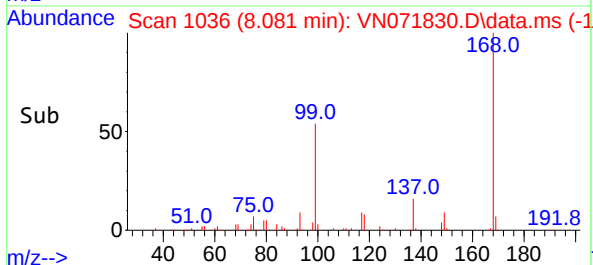
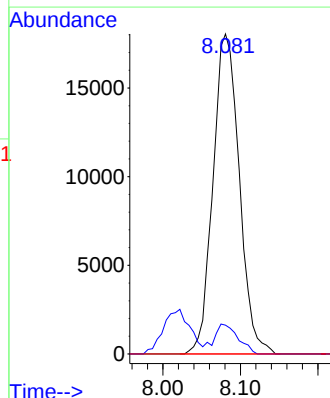
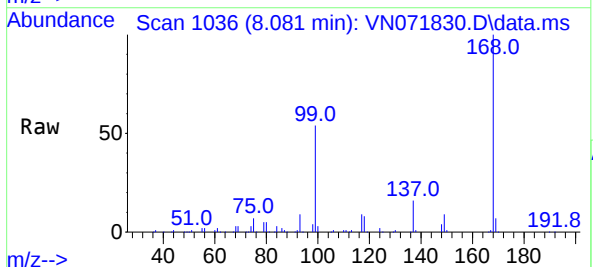
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

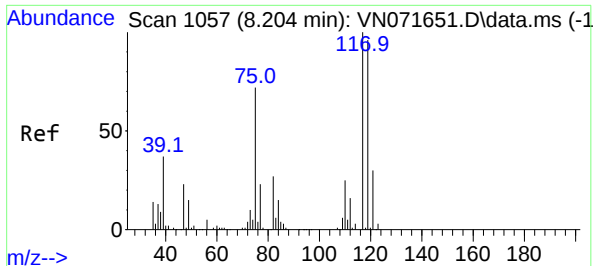
Tgt Ion:113 Resp: 298335  
Ion Ratio Lower Upper  
113 100  
111 104.0 81.4 122.0  
192 21.4 17.0 25.6



#36  
1,1-Dichloropropene  
Concen: 4.884 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.135 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 75 Resp: 42566  
Ion Ratio Lower Upper  
75 100  
110 8.5 18.3 54.8#  
77 0.0 25.1 37.7#

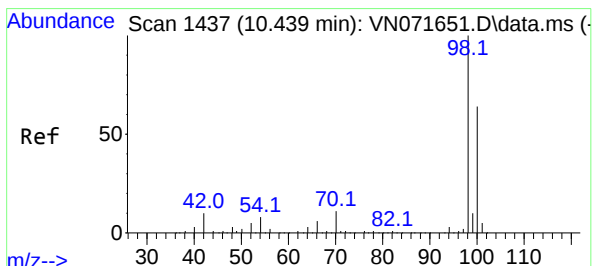
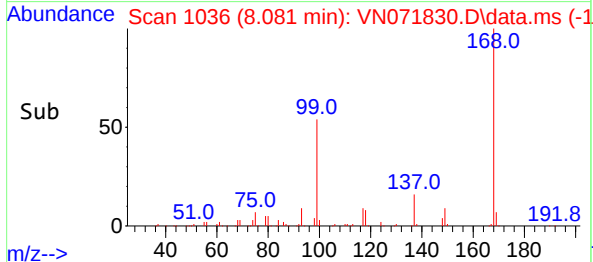
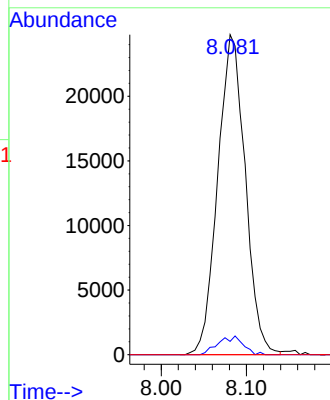
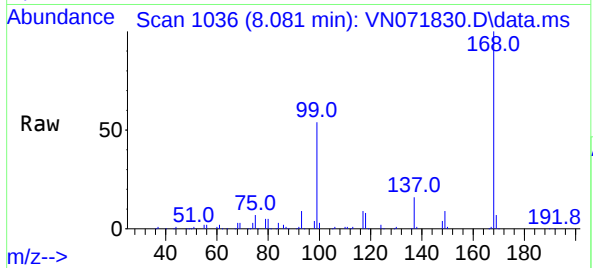




#38  
Carbon Tetrachloride  
Concen: 6.500 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.123 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

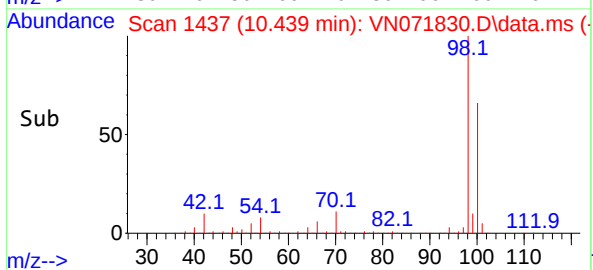
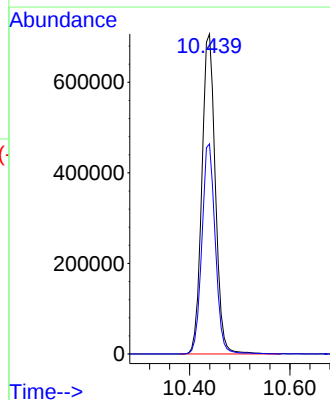
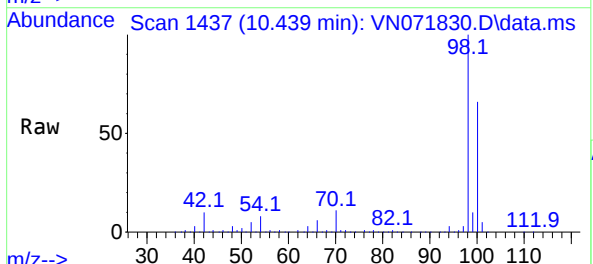
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

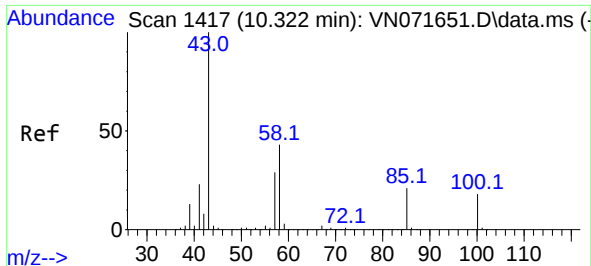
Tgt Ion:117 Resp: 55516  
Ion Ratio Lower Upper  
117 100  
119 4.1 75.8 113.8#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 51.676 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 98 Resp: 1319327  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.6 78.8

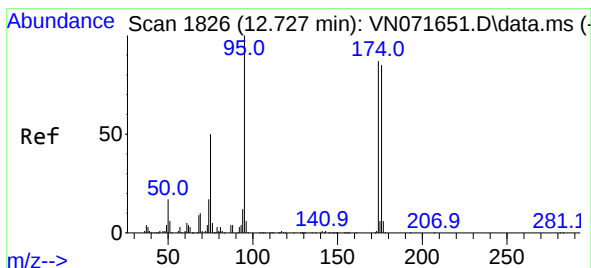
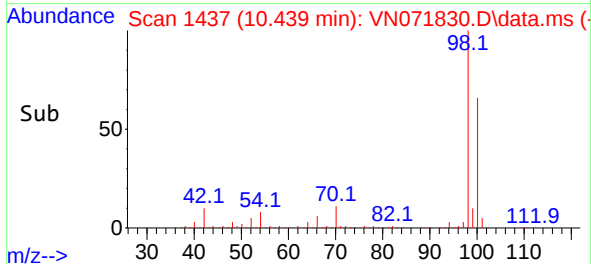
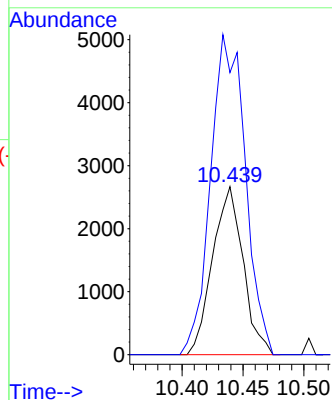
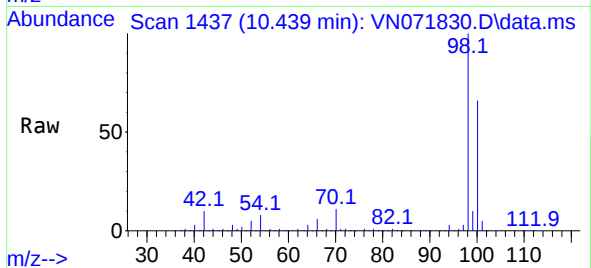




#51  
4-Methyl-2-Pentanone  
Concen: 0.510 ug/l  
RT: 10.439 min Scan# 1417  
Delta R.T. 0.117 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

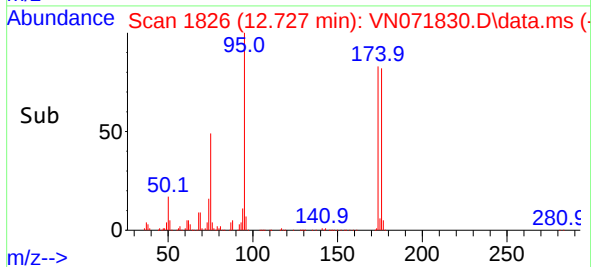
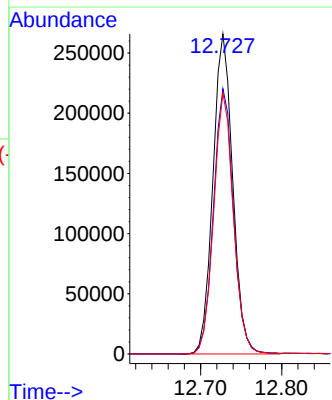
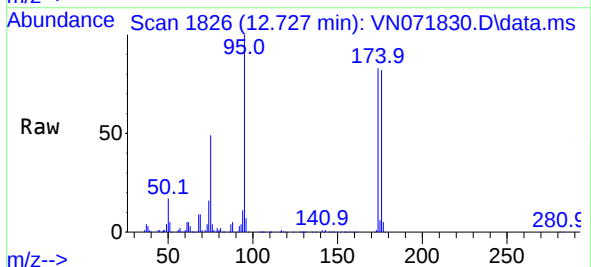
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

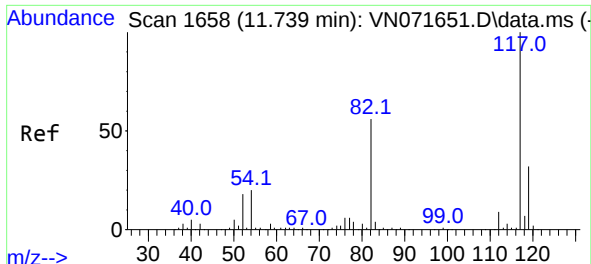
Tgt Ion: 43 Resp: 4650  
Ion Ratio Lower Upper  
43 100  
58 216.5 34.1 51.1#



#62  
4-Bromofluorobenzene  
Concen: 54.589 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 95 Resp: 450740  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 167.6  
176 80.8 0.0 163.4

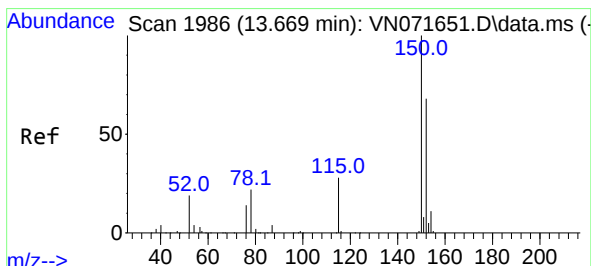
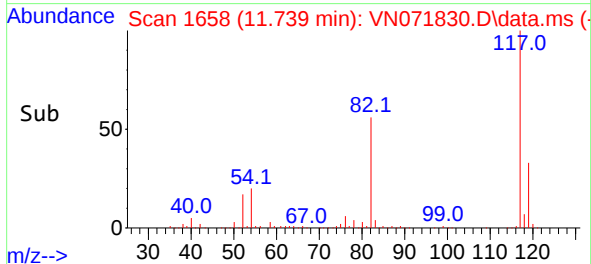
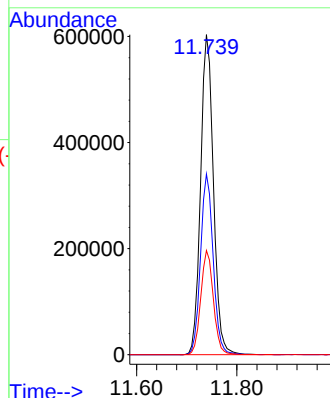
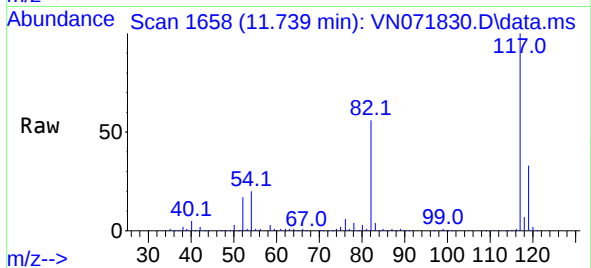




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

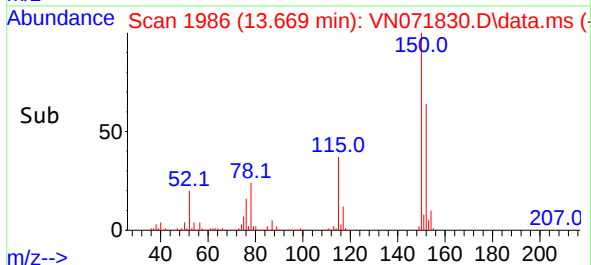
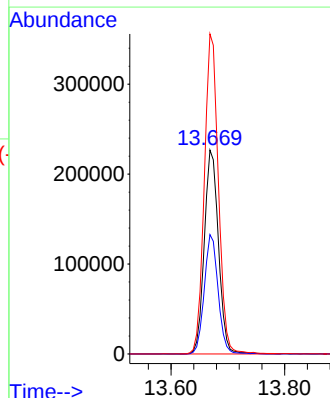
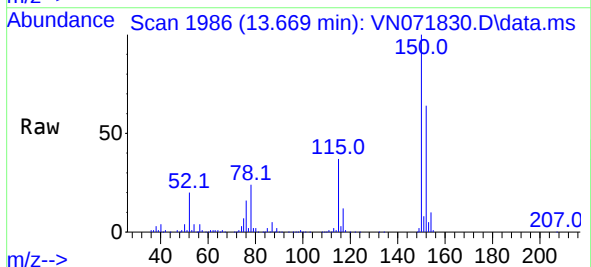
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

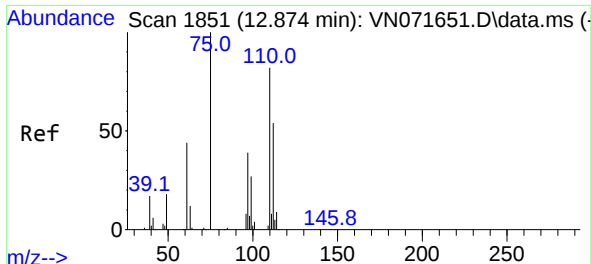
Tgt Ion:117 Resp: 1073789  
Ion Ratio Lower Upper  
117 100  
82 56.4 44.2 66.2  
119 32.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion:152 Resp: 392679  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.9 86.7  
150 155.7 0.0 356.2

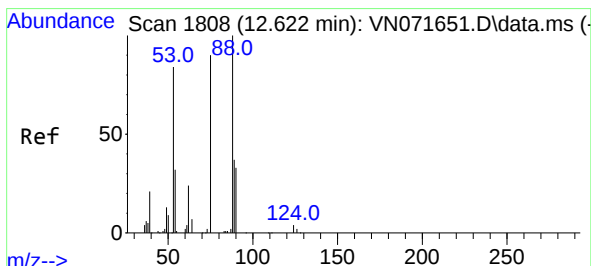
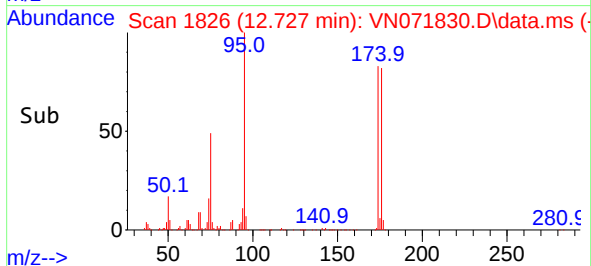
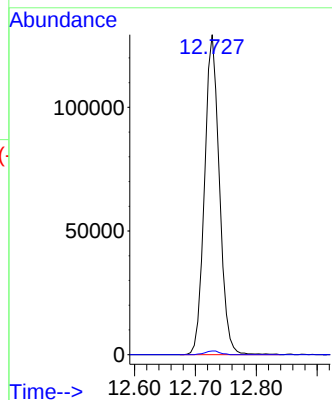
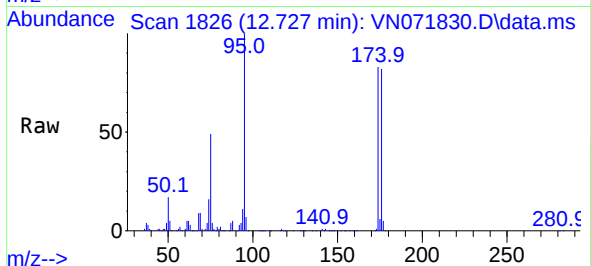




#76  
1,2,3-Trichloropropane  
Concen: 24.087 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

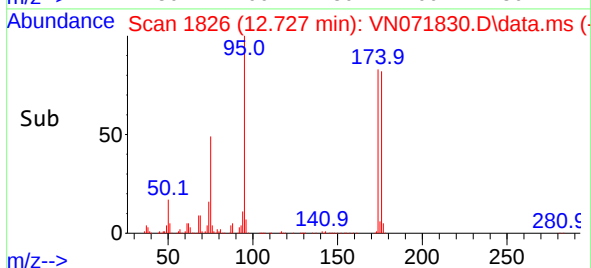
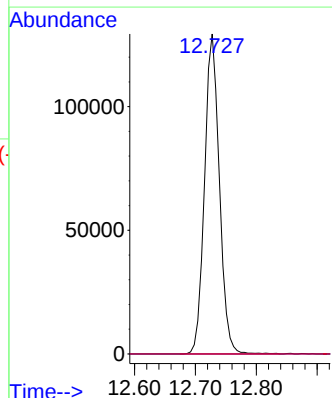
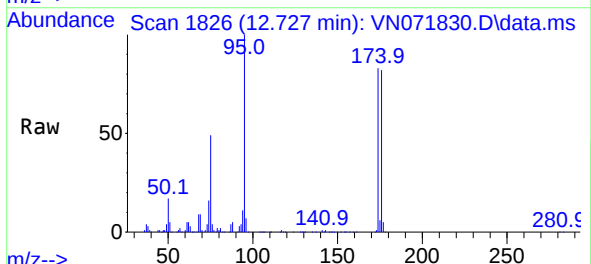
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

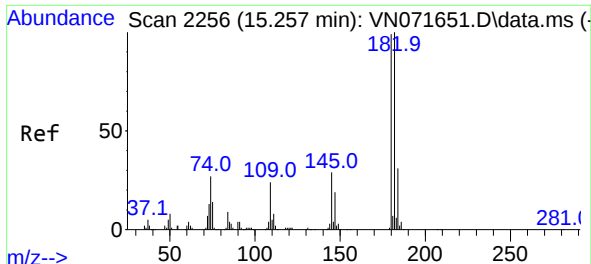
Tgt Ion: 75 Resp: 219114  
Ion Ratio Lower Upper  
75 100  
77 1.2 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.645 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.105 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion: 75 Resp: 219114  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

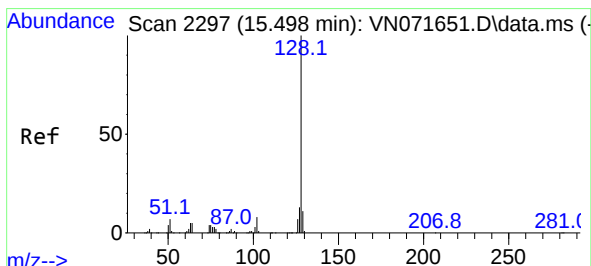
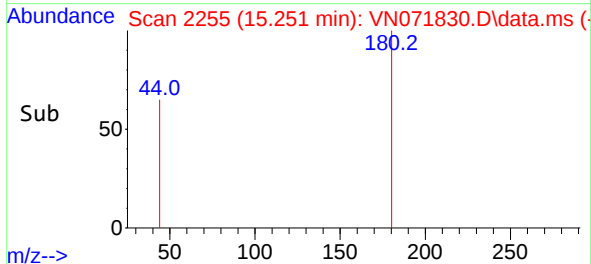
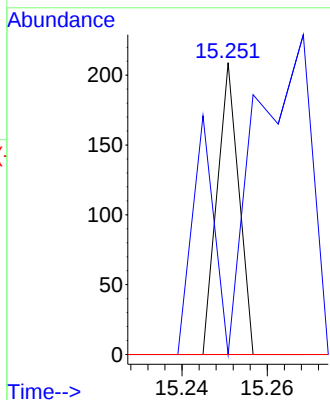
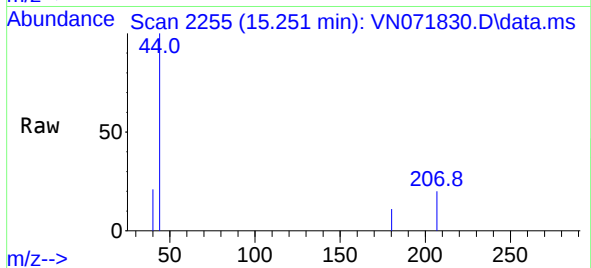




#93  
1,2,4-Trichlorobenzene  
Concen: 2.097 ug/l  
RT: 15.251 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

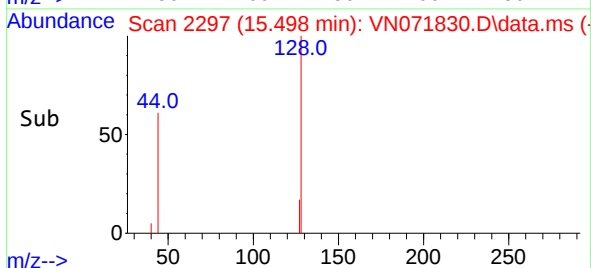
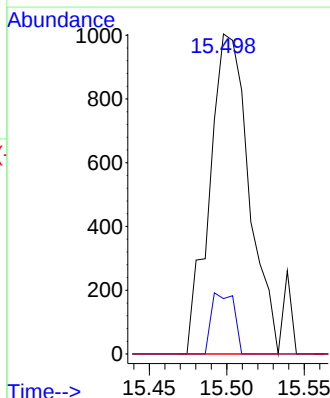
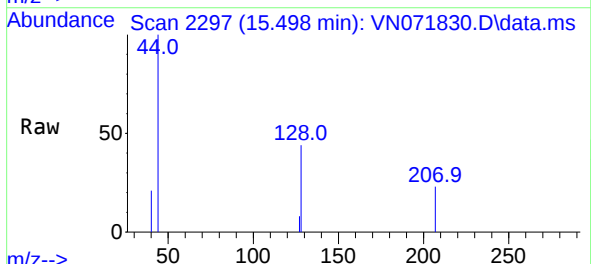
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

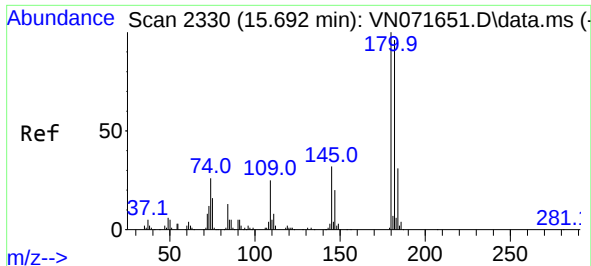
Tgt Ion:180 Resp: 74  
Ion Ratio Lower Upper  
180 100  
182 358.1 47.5 142.5#  
145 0.0 14.5 43.5#



#95  
Naphthalene  
Concen: 3.895 ug/l  
RT: 15.498 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VN071830.D  
Acq: 04 Apr 2022 14:41

Tgt Ion:128 Resp: 1779  
Ion Ratio Lower Upper  
128 100  
127 10.9 10.3 15.5  
129 0.0 8.6 13.0#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.430 ug/l  
 RT: 15.692 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN071830.D  
 Acq: 04 Apr 2022 14:41

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

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 102   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 135.3 | 47.8  | 143.3 |
| 145      | 0.0   | 15.5  | 46.5# |

