

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040822\  
 Data File : VN071920.D  
 Acq On : 08 Apr 2022 17:32  
 Operator : JC\MD  
 Sample : N2308-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 09 05:06:45 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

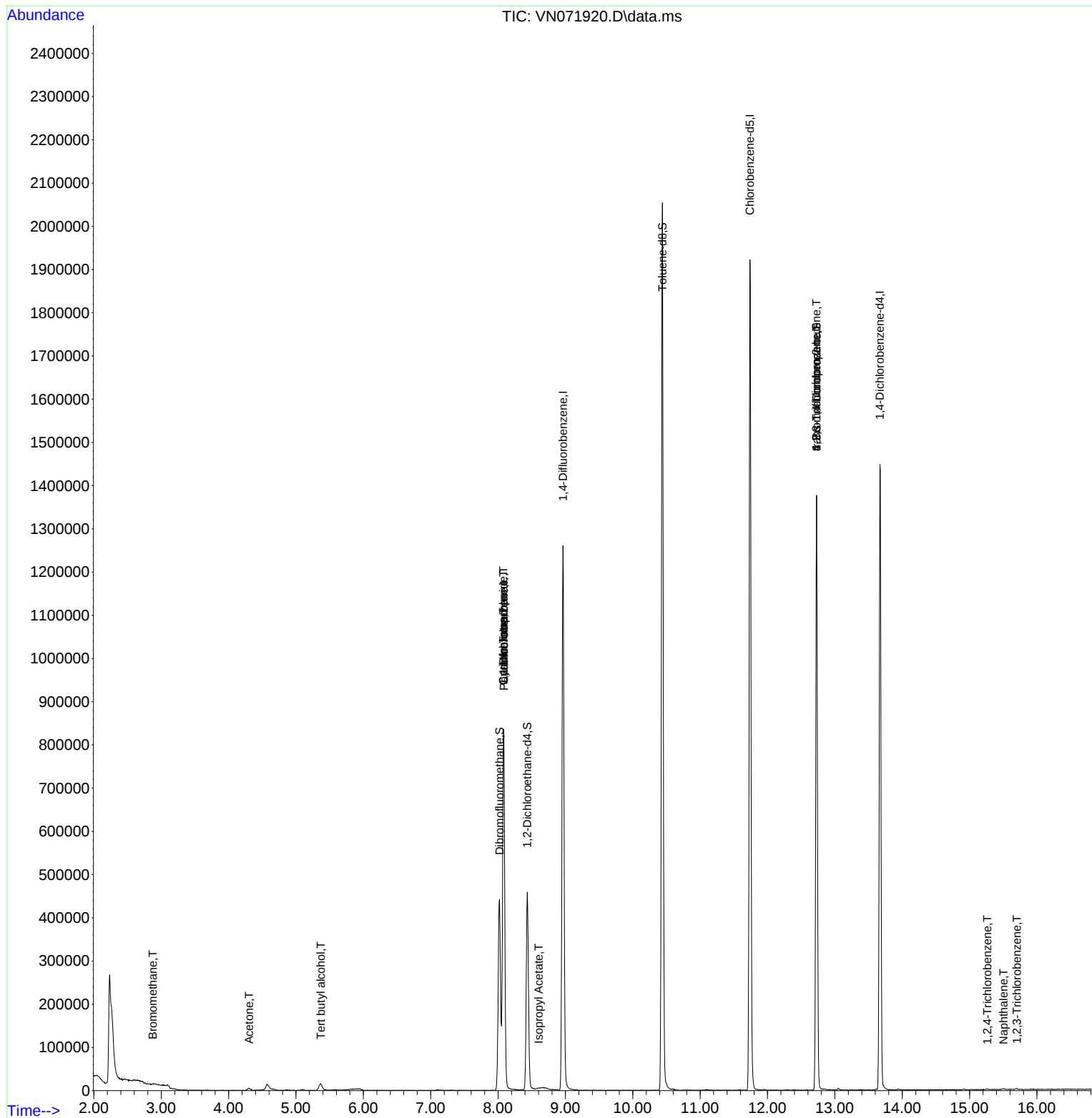
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.086  | 168   | 707475   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 1196744  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117   | 1232317  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152   | 444374   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.433  | 65    | 383449   | 47.476    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 94.960%  |
| 35) Dibromofluoromethane      | 8.022  | 113   | 338924   | 48.128    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 96.260%  |
| 50) Toluene-d8                | 10.439 | 98    | 1494820  | 51.889    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 103.780% |
| 62) 4-Bromofluorobenzene      | 12.727 | 95    | 487406   | 52.314    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 104.620% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.875  | 94    | 1622     | 0.319     | ug/l # | 74       |
| 11) Tert butyl alcohol        | 5.369  | 59    | 28808    | 21.979    | ug/l   | 100      |
| 16) Acetone                   | 4.304  | 43    | 6691     | 1.938     | ug/l # | 76       |
| 18) Methyl Acetate            | 4.863  | 43    | 2901     | Below Cal | #      | 58       |
| 31) Cyclohexane               | 8.081  | 56    | 11549    | 1.051     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081  | 75    | 46077    | 4.685     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.081  | 117   | 61452    | 6.376     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.604  | 43    | 4537     | 0.253     | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75    | 231159   | 22.455    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75    | 231159   | 69.588    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.262 | 180   | 1040     | 2.227     | ug/l   | 60       |
| 95) Naphthalene               | 15.504 | 128   | 3584     | 3.967     | ug/l # | 85       |
| 96) 1,2,3-Trichlorobenzene    | 15.704 | 180   | 1399     | 2.608     | ug/l   | 87       |
| -----                         |        |       |          |           |        |          |

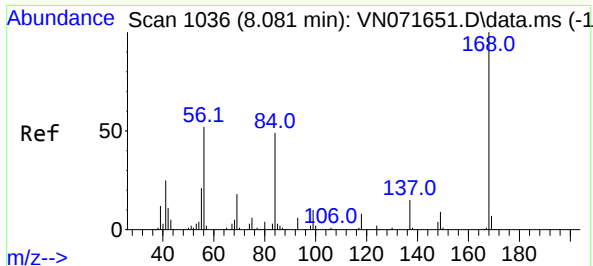
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Time: Apr 09 05:06:45 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

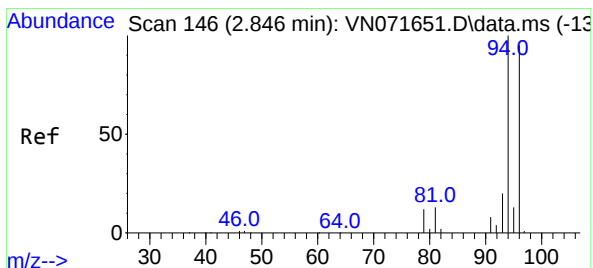
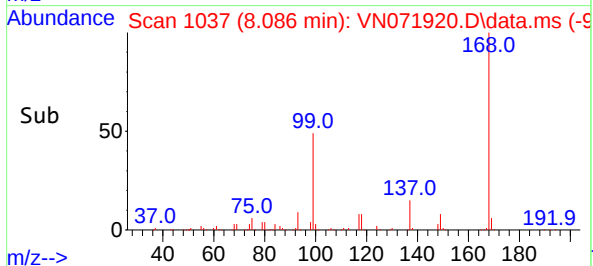
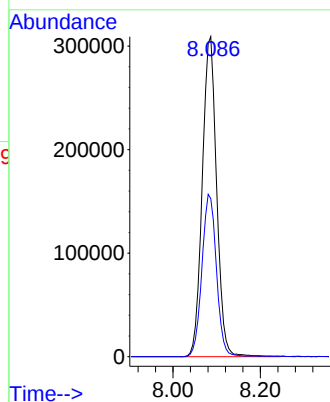
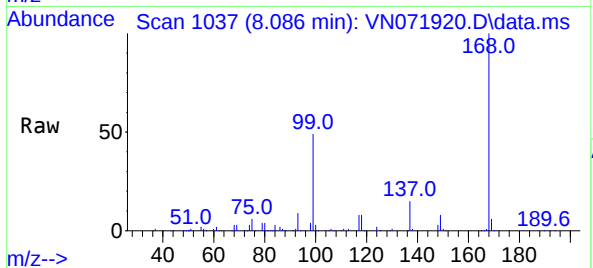




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 10  
Delta R.T. 0.005 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

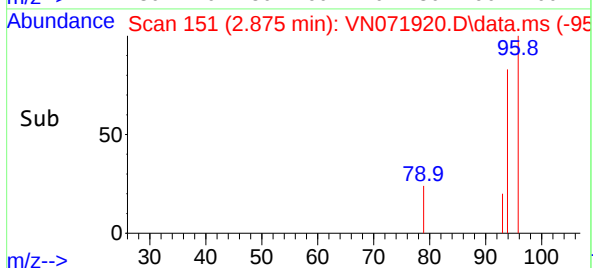
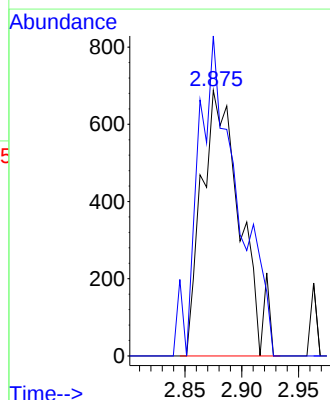
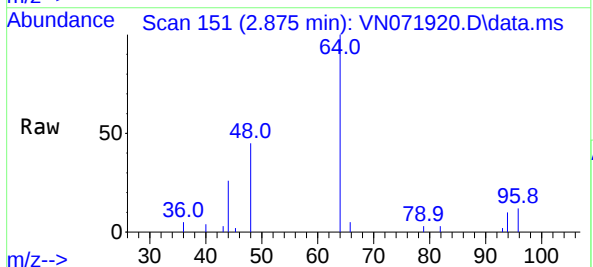
Instrument :  
MSVOA\_N  
ClientSampleId :

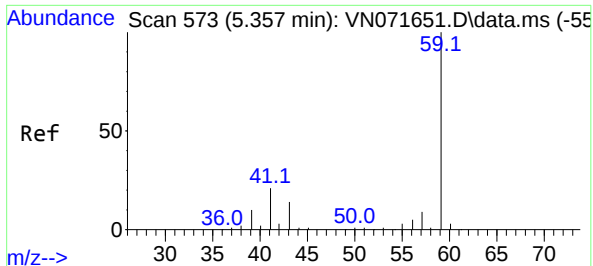
Tgt Ion:168 Resp: 707475  
Ion Ratio Lower Upper  
168 100  
99 49.4 42.3 63.5



#5  
Bromomethane  
Concen: 0.319 ug/l  
RT: 2.875 min Scan# 151  
Delta R.T. 0.029 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Tgt Ion: 94 Resp: 1622  
Ion Ratio Lower Upper  
94 100  
96 120.5 76.0 114.0#





#11

Tert butyl alcohol

Concen: 21.979 ug/l

RT: 5.369 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN071920.D

Acq: 08 Apr 2022 17:32

Instrument :

MSVOA\_N

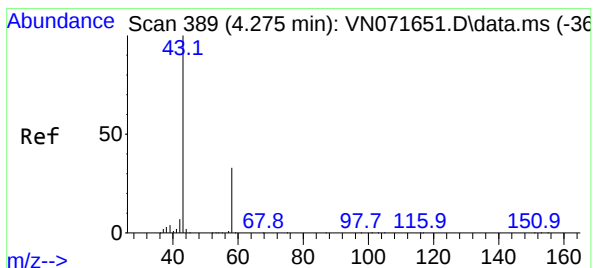
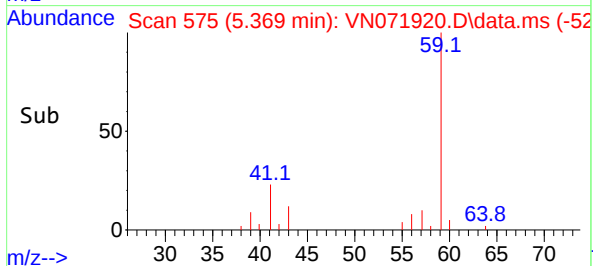
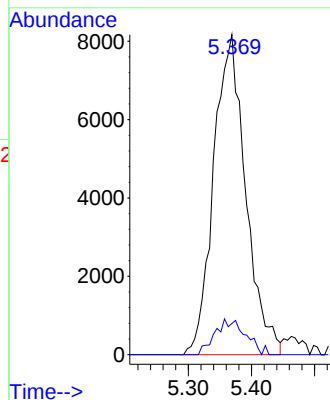
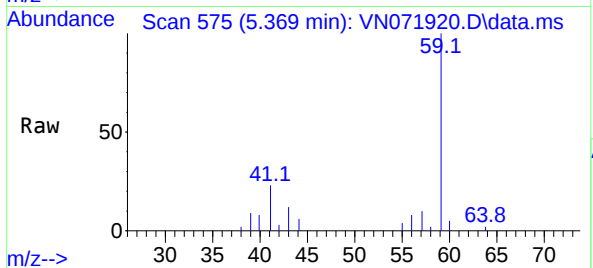
ClientSampleId :

Tgt Ion: 59 Resp: 28808

Ion Ratio Lower Upper

59 100

57 10.3 8.3 12.5



#16

Acetone

Concen: 1.938 ug/l

RT: 4.304 min Scan# 394

Delta R.T. 0.029 min

Lab File: VN071920.D

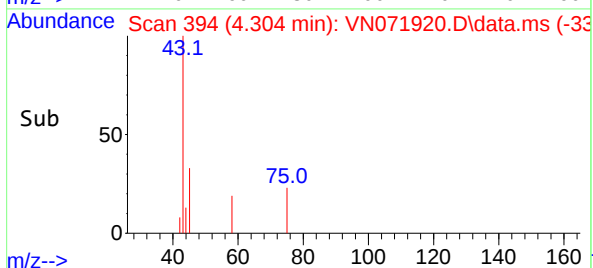
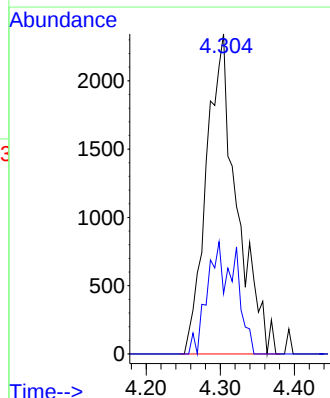
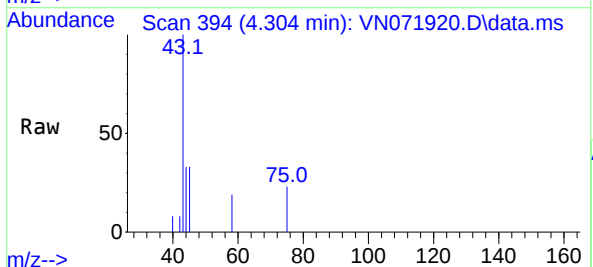
Acq: 08 Apr 2022 17:32

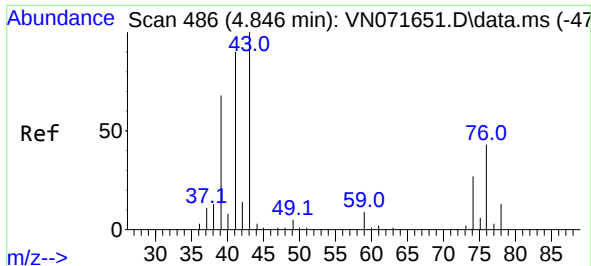
Tgt Ion: 43 Resp: 6691

Ion Ratio Lower Upper

43 100

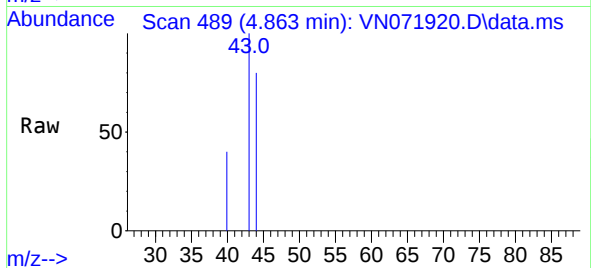
58 18.9 26.0 39.0#



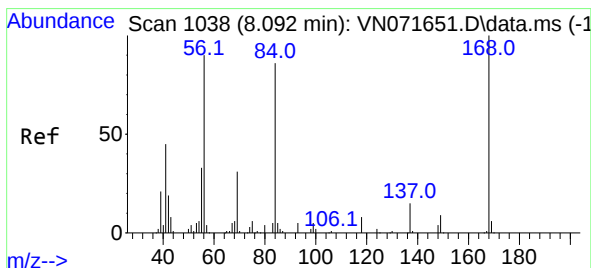
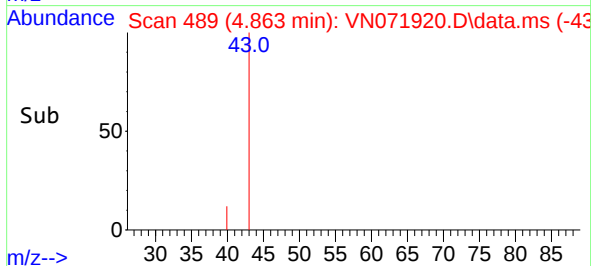
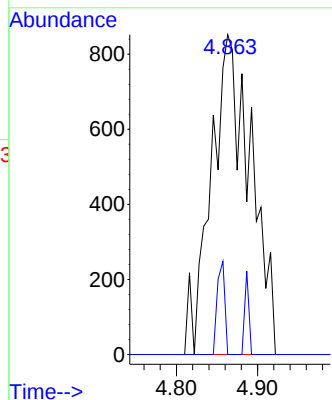


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.863 min Scan# 41  
Delta R.T. 0.017 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Instrument :  
MSVOA\_N  
ClientSampleId :

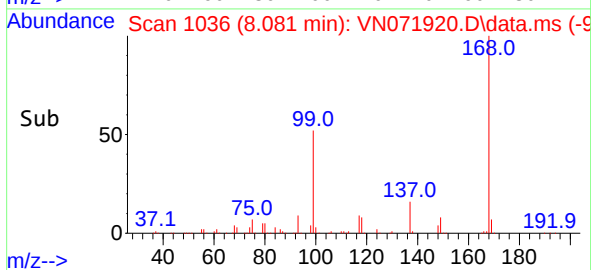
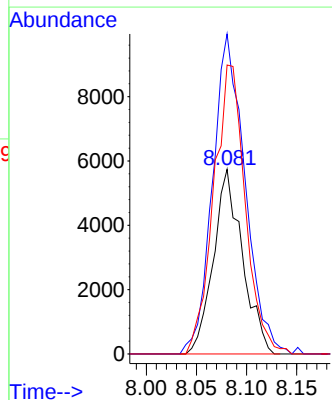
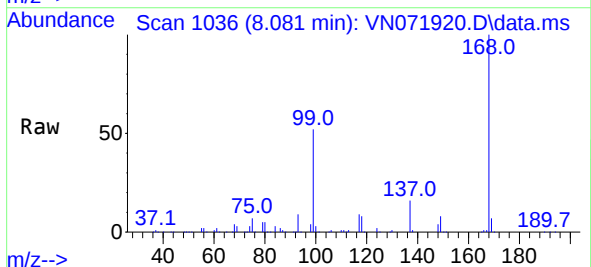


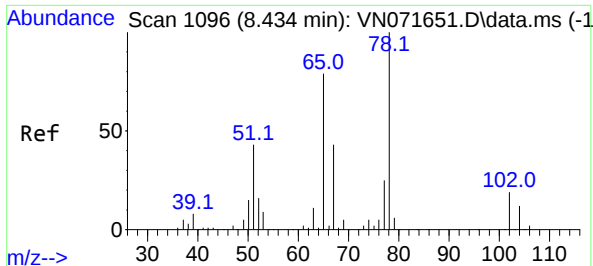
Tgt Ion: 43 Resp: 2901  
Ion Ratio Lower Upper  
43 100  
74 5.4 21.6 32.4#



#31  
Cyclohexane  
Concen: 1.051 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.011 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Tgt Ion: 56 Resp: 11549  
Ion Ratio Lower Upper  
56 100  
69 173.3 27.8 41.8#  
84 156.5 76.9 115.3#

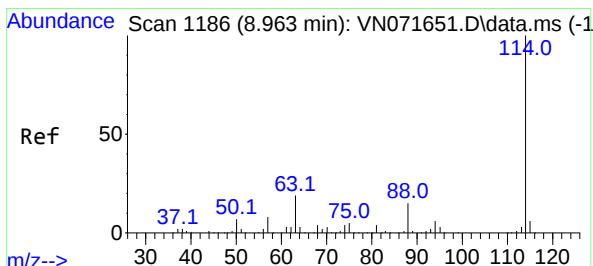
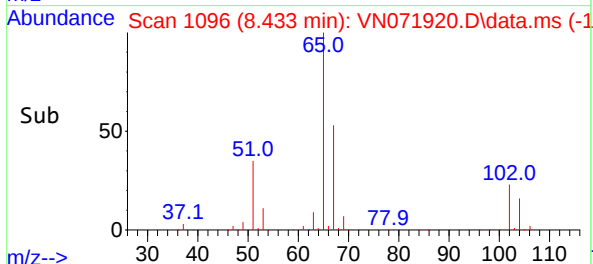
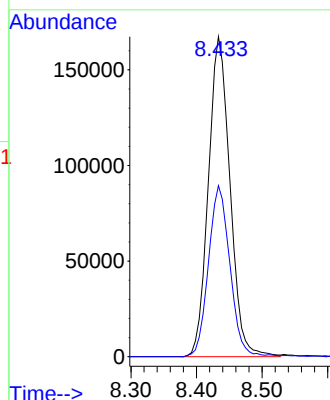
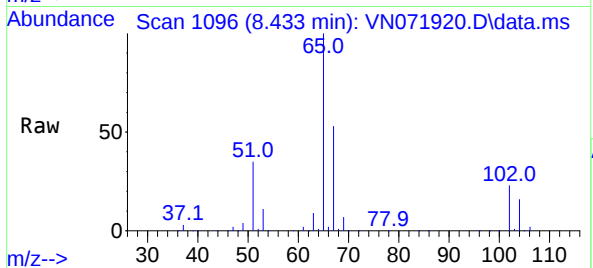




#33  
1,2-Dichloroethane-d4  
Concen: 47.476 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. -0.001 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

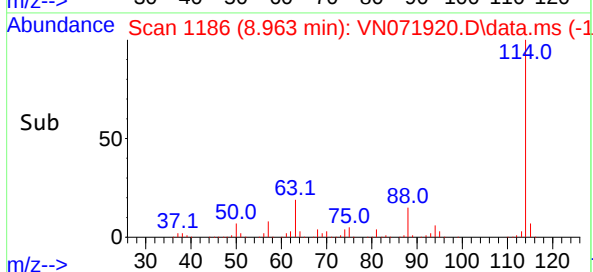
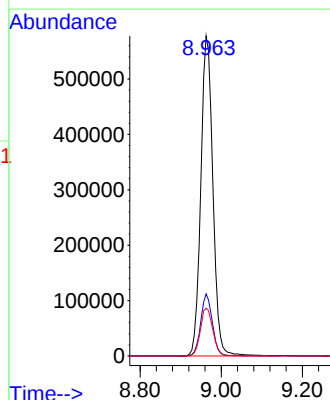
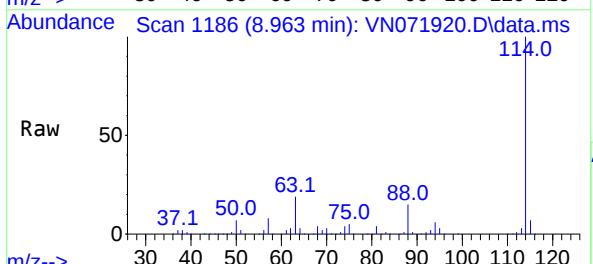
Instrument :  
MSVOA\_N  
ClientSampleId :

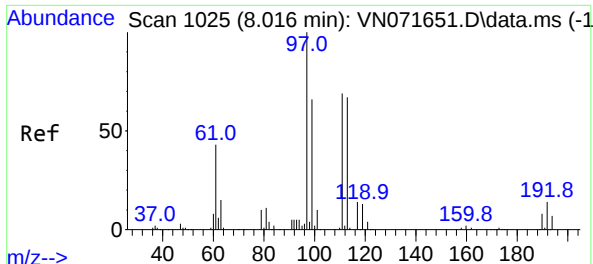
Tgt Ion: 65 Resp: 383449  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

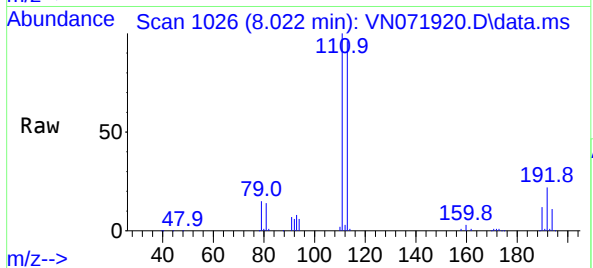
Tgt Ion:114 Resp: 1196744  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 40.0  
88 14.9 0.0 32.6



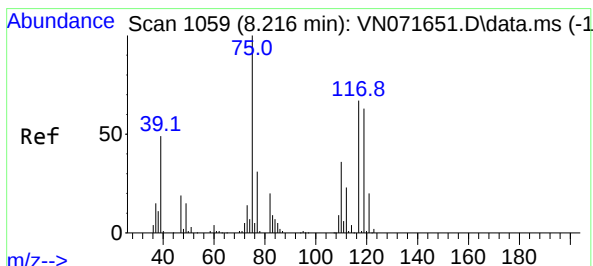
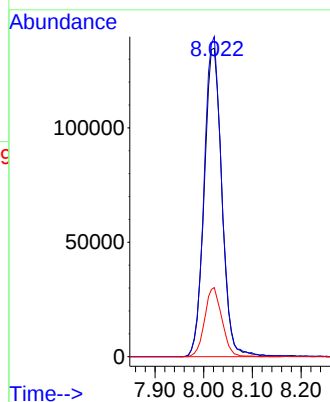
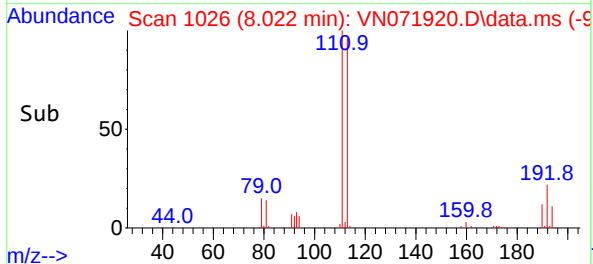


#35  
Dibromofluoromethane  
Concen: 48.128 ug/l  
RT: 8.022 min Scan# 1036  
Delta R.T. 0.006 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Instrument :  
MSVOA\_N  
ClientSampleId :

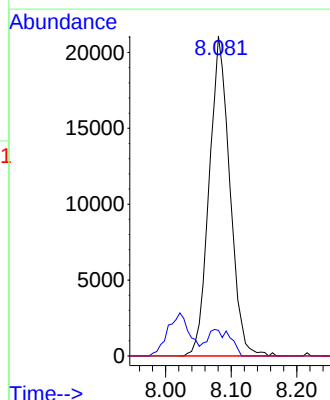
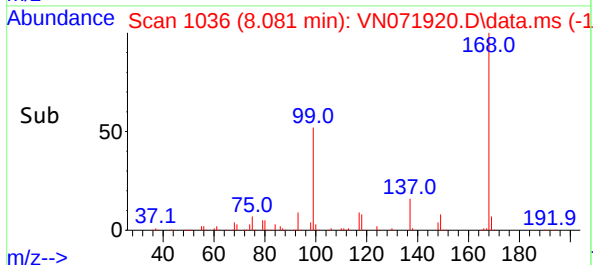
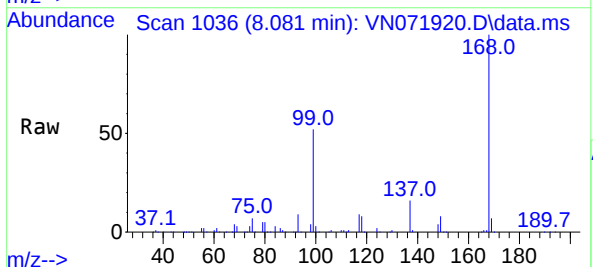


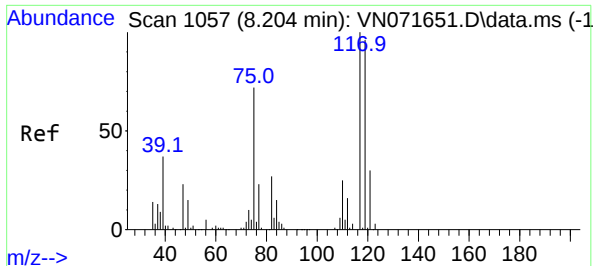
Tgt Ion:113 Resp: 338924  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.4 122.0  
192 21.8 17.0 25.6



#36  
1,1-Dichloropropene  
Concen: 4.685 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.135 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

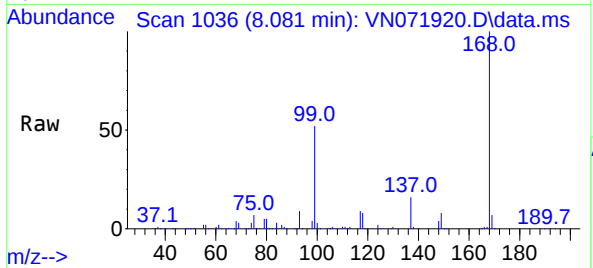
Tgt Ion: 75 Resp: 46077  
Ion Ratio Lower Upper  
75 100  
110 9.5 18.3 54.8#  
77 0.0 25.1 37.7#



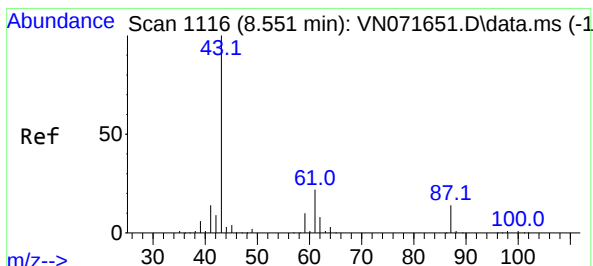
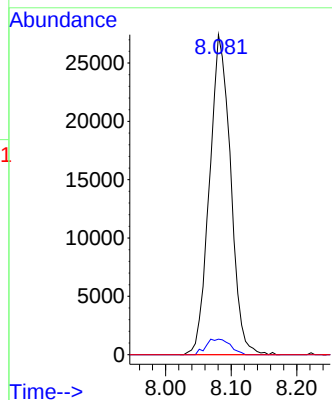
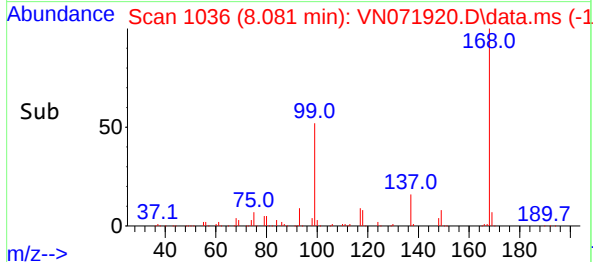


#38  
Carbon Tetrachloride  
Concen: 6.376 ug/l  
RT: 8.081 min Scan# 110  
Delta R.T. -0.123 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

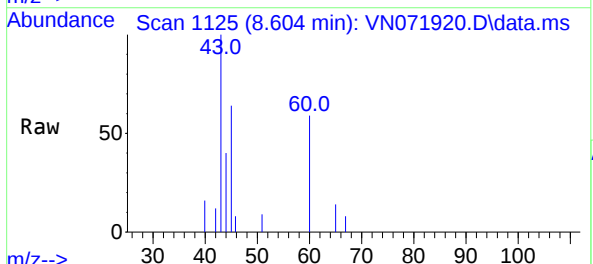
Instrument :  
MSVOA\_N  
ClientSampleId :



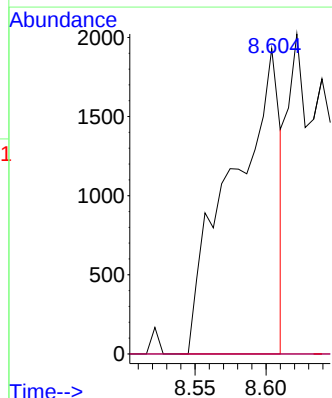
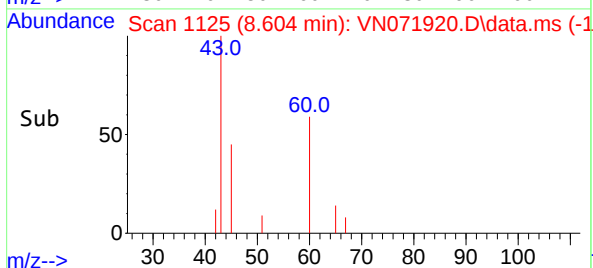
Tgt Ion:117 Resp: 61452  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.8 113.8#  
121 0.0 24.6 37.0#

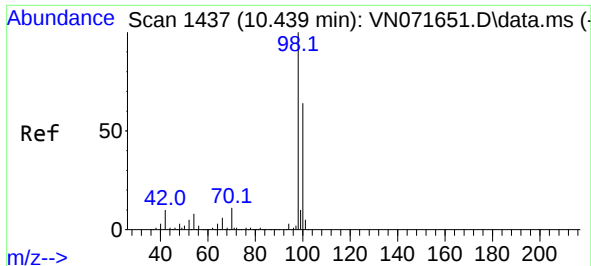


#43  
Isopropyl Acetate  
Concen: 0.253 ug/l  
RT: 8.604 min Scan# 1125  
Delta R.T. 0.053 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32



Tgt Ion: 43 Resp: 4537  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#

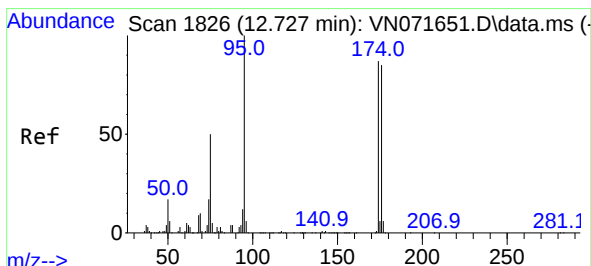
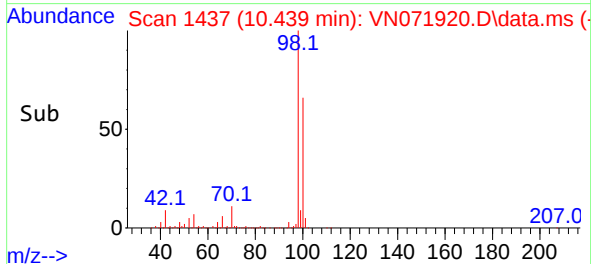
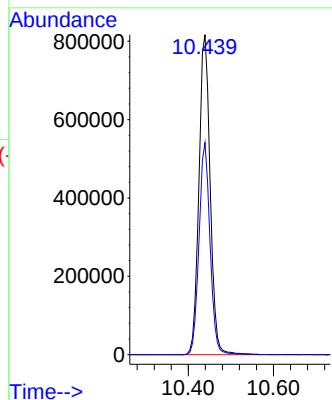
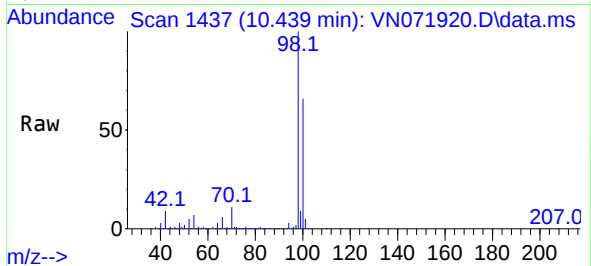




#50  
Toluene-d8  
Concen: 51.889 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

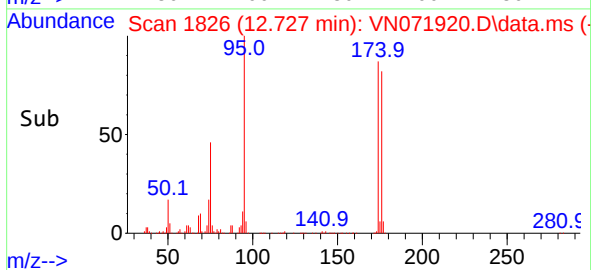
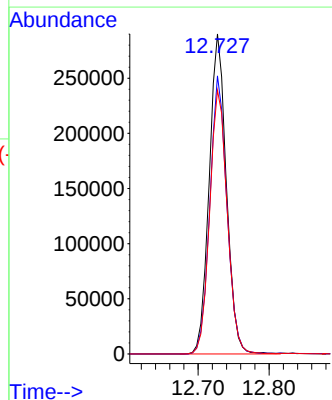
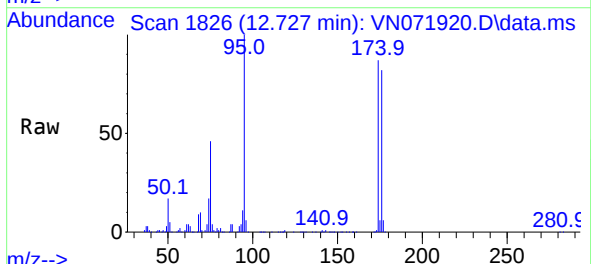
Instrument :  
MSVOA\_N  
ClientSampleId :

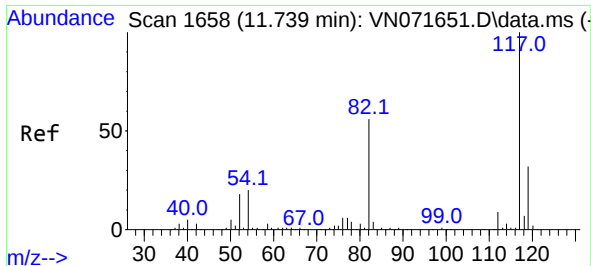
Tgt Ion: 98 Resp: 1494820  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 52.314 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

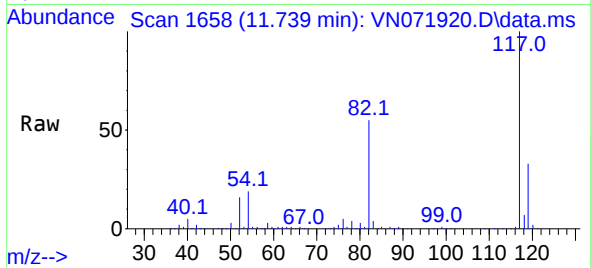
Tgt Ion: 95 Resp: 487406  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 167.6  
176 84.1 0.0 163.4



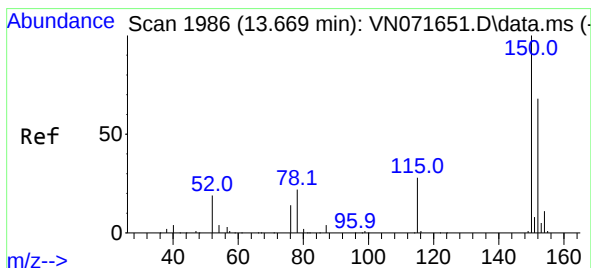
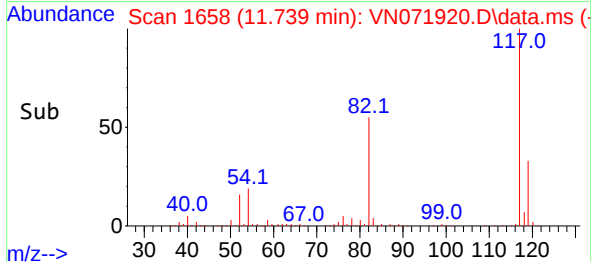
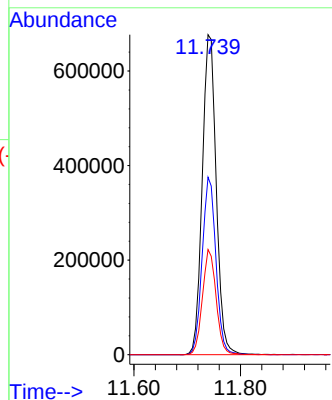


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Instrument :  
MSVOA\_N  
ClientSampleId :

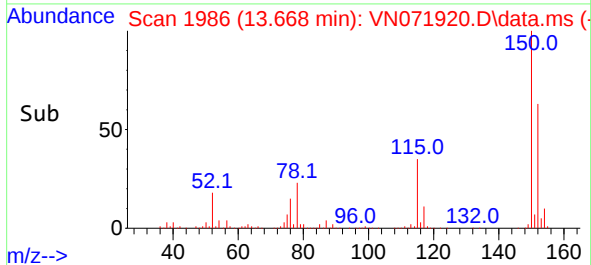
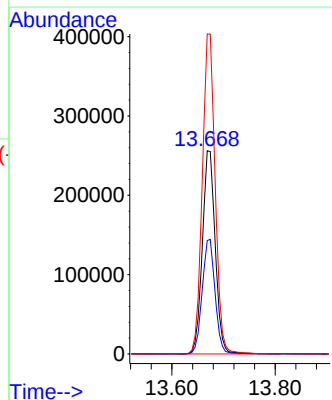
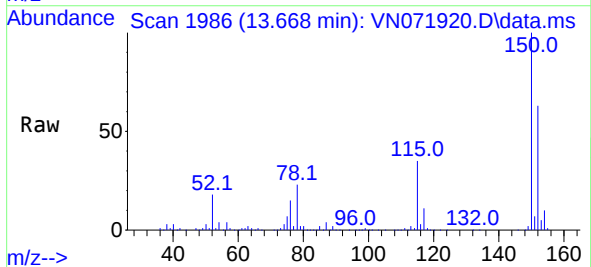


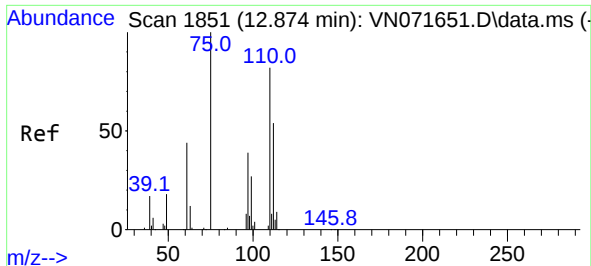
Tgt Ion:117 Resp: 1232317  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.2 66.2  
119 32.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.001 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Tgt Ion:152 Resp: 444374  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.9 86.7  
150 156.7 0.0 356.2

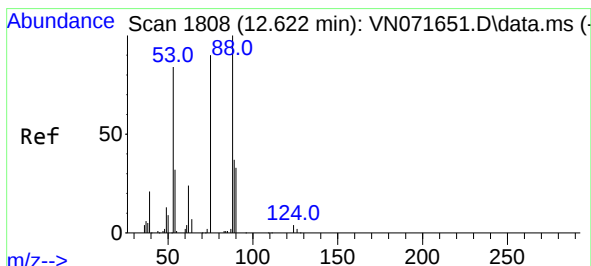
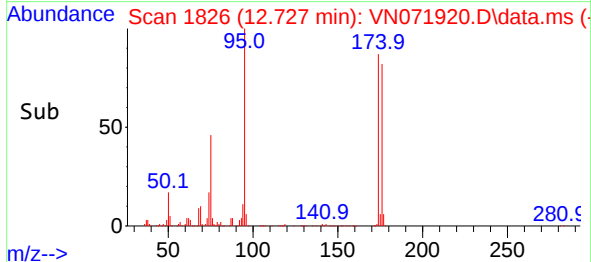
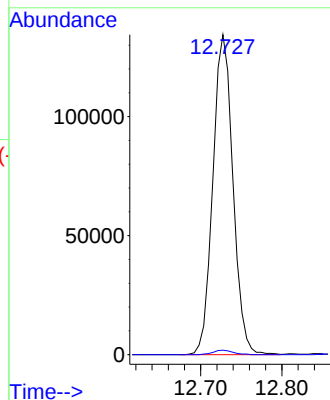
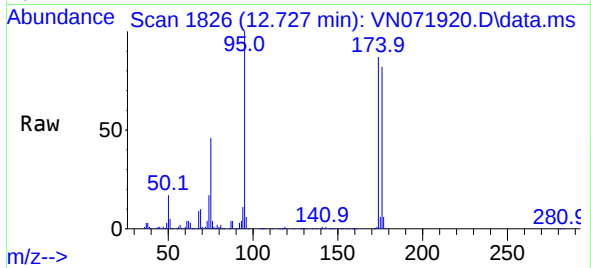




#76  
1,2,3-Trichloropropane  
Concen: 22.455 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

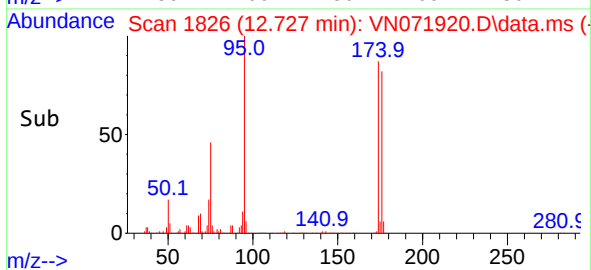
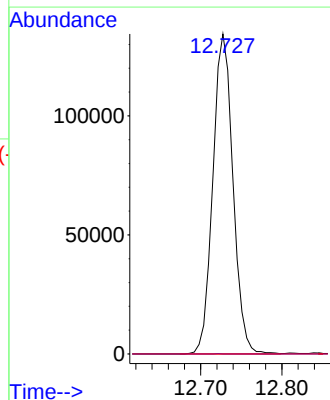
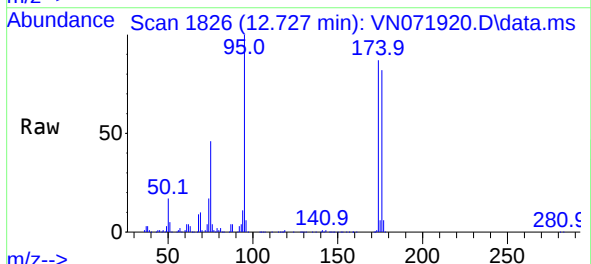
Instrument :  
MSVOA\_N  
ClientSampleId :

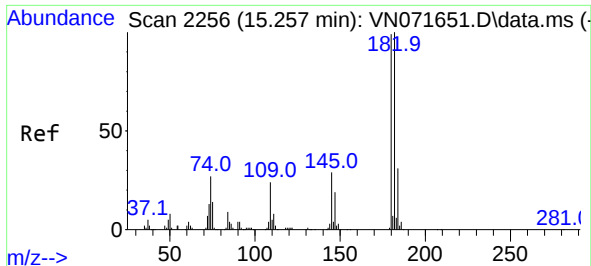
Tgt Ion: 75 Resp: 231159  
Ion Ratio Lower Upper  
75 100  
77 1.4 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.588 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.105 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

Tgt Ion: 75 Resp: 231159  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

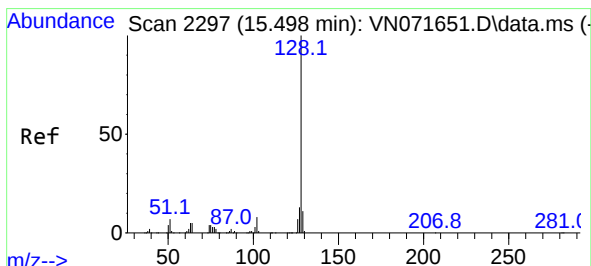
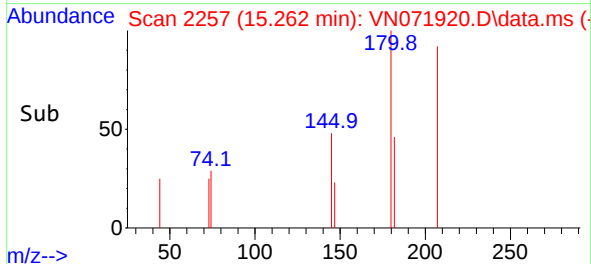
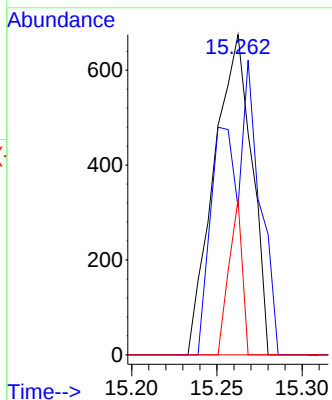
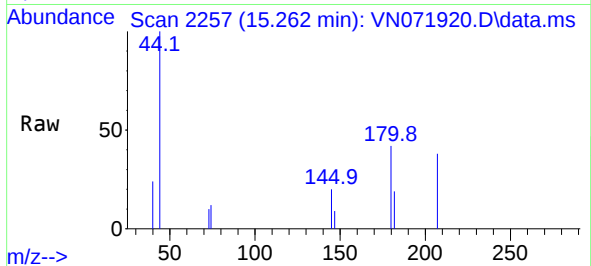




#93  
1,2,4-Trichlorobenzene  
Concen: 2.227 ug/l  
RT: 15.262 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

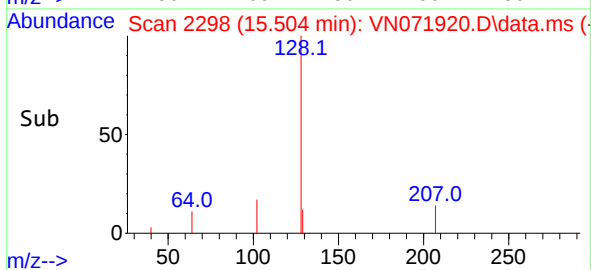
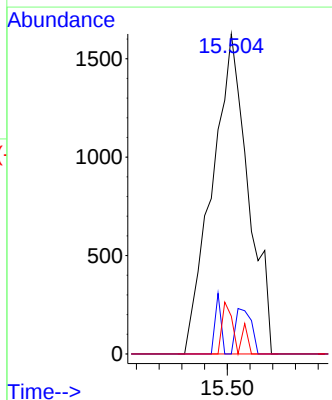
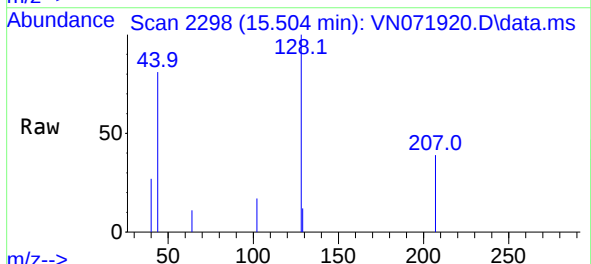
Instrument :  
MSVOA\_N  
ClientSampleId :

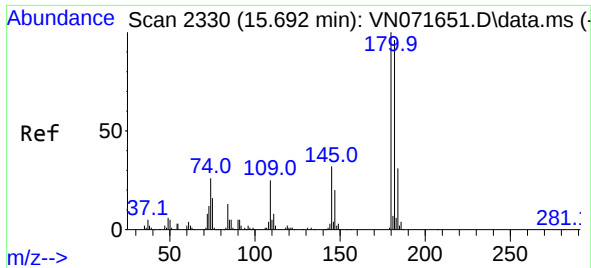
Tgt Ion:180 Resp: 1040  
Ion Ratio Lower Upper  
180 100  
182 51.0 47.5 142.5  
145 17.1 14.5 43.5



#95  
Naphthalene  
Concen: 3.967 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. 0.006 min  
Lab File: VN071920.D  
Acq: 08 Apr 2022 17:32

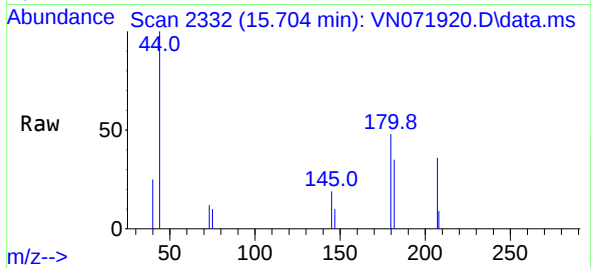
Tgt Ion:128 Resp: 3584  
Ion Ratio Lower Upper  
128 100  
127 6.1 10.3 15.5#  
129 6.0 8.6 13.0#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.608 ug/l  
 RT: 15.704 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VN071920.D  
 Acq: 08 Apr 2022 17:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1399  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 107.4 | 47.8  | 143.3 |
| 145      | 22.0  | 15.5  | 46.5  |

