

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
 Data File : VN071809.D  
 Acq On : 02 Apr 2022 19:46  
 Operator : JC\MD  
 Sample : N2200-21  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB

Quant Time: Apr 04 01:09:30 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

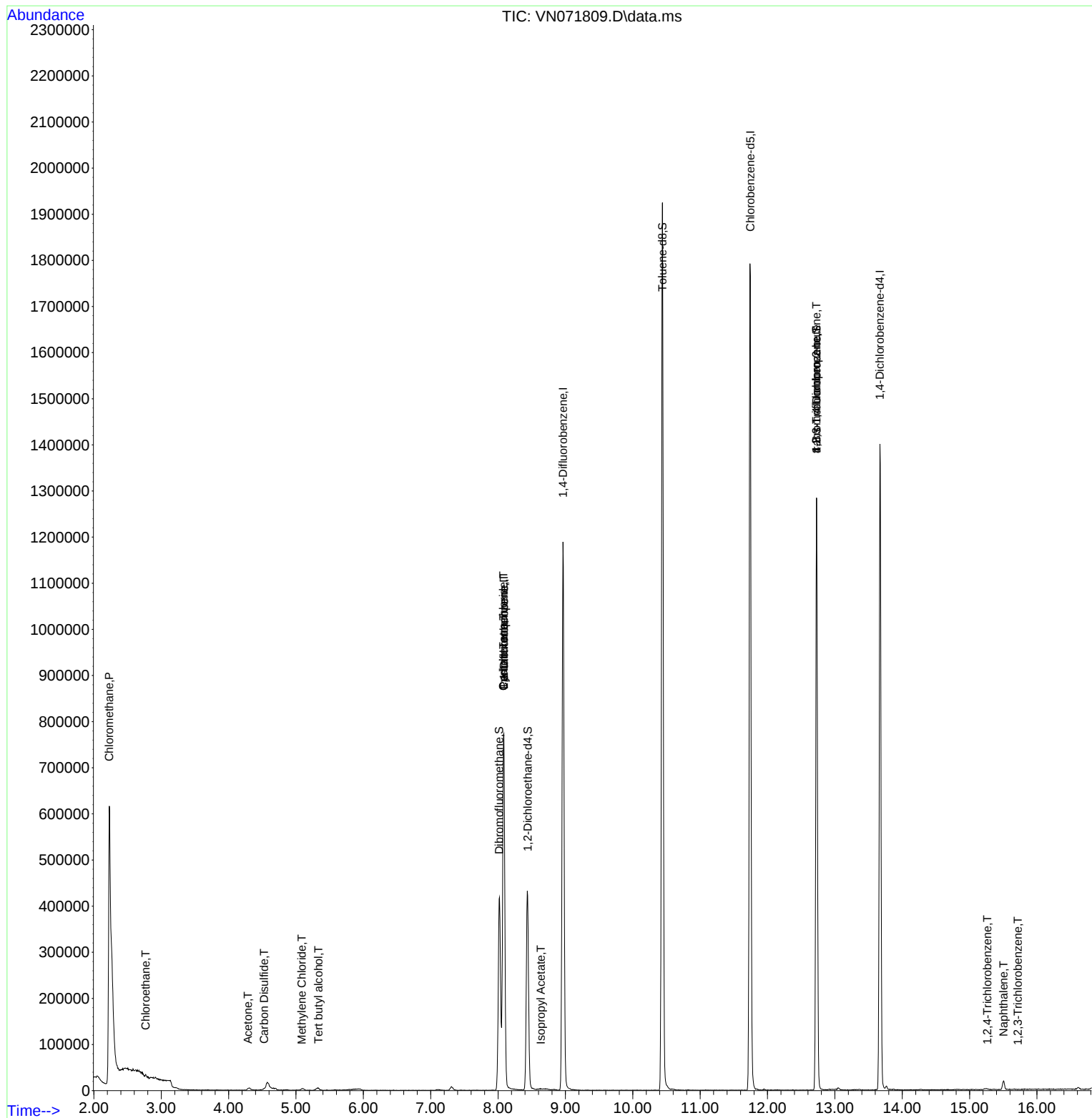
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.086  | 168   | 643768   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 1105015  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.745 | 117   | 1109742  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152   | 406368   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.439  | 65    | 366167   | 49.823    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 99.640%  |
| 35) Dibromofluoromethane      | 8.016  | 113   | 316762   | 48.715    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 97.420%  |
| 50) Toluene-d8                | 10.439 | 98    | 1388424  | 52.197    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 104.400% |
| 62) 4-Bromofluorobenzene      | 12.727 | 95    | 457056   | 53.129    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 106.260% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.228  | 50    | 24072    | 3.712     | ug/l # | 43       |
| 6) Chloroethane               | 2.769  | 64    | 7696     | 1.502     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 5.334  | 59    | 5487     | 4.601     | ug/l # | 72       |
| 16) Acetone                   | 4.287  | 43    | 6859     | 2.184     | ug/l # | 82       |
| 17) Carbon Disulfide          | 4.528  | 76    | 3687     | 0.302     | ug/l # | 75       |
| 18) Methyl Acetate            | 4.857  | 43    | 2204     | Below Cal | #      | 65       |
| 20) Methylene Chloride        | 5.087  | 84    | 3128     | 0.472     | ug/l # | 77       |
| 31) Cyclohexane               | 8.081  | 56    | 10997    | 1.100     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.086  | 75    | 45437    | 5.004     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.081  | 117   | 58377    | 6.560     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.633  | 43    | 3451     | 0.209     | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75    | 224932   | 23.894    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75    | 224932   | 74.046    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.262 | 180   | 139      | 2.106     | ug/l # | 24       |
| 95) Naphthalene               | 15.504 | 128   | 20418    | 4.822     | ug/l # | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.715 | 180   | 234      | 2.450     | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

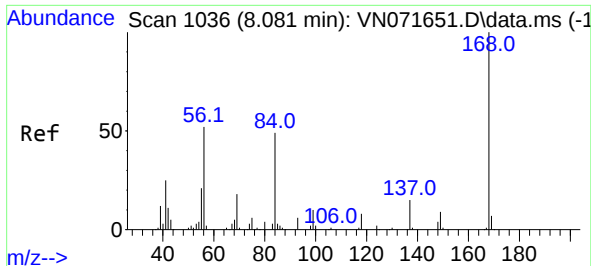
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040222\  
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Sample : N2200-21  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

Quant Time: Apr 04 01:09:30 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

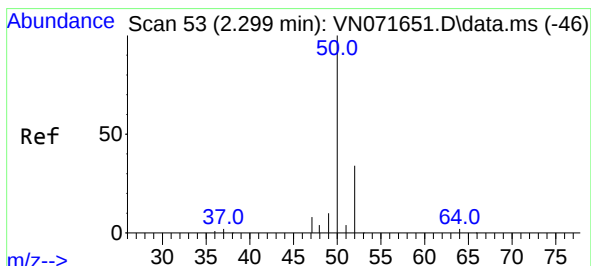
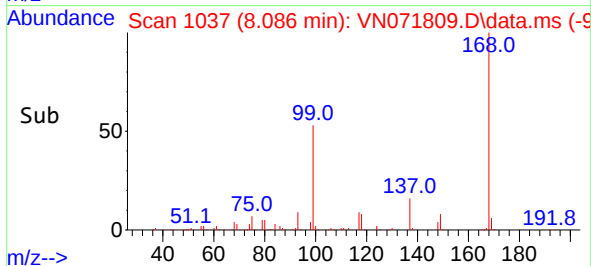
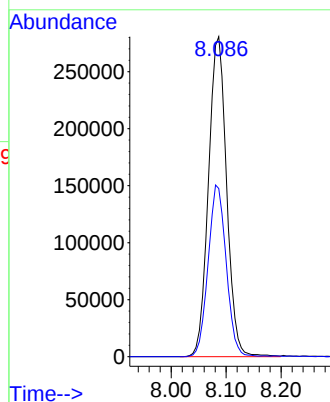
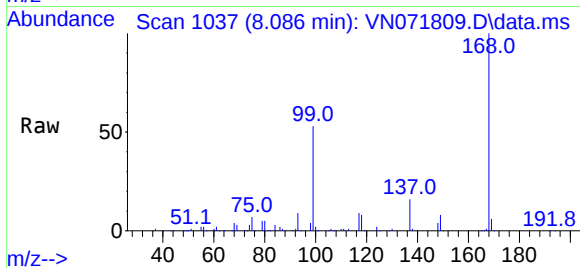




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 10  
Delta R.T. 0.005 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

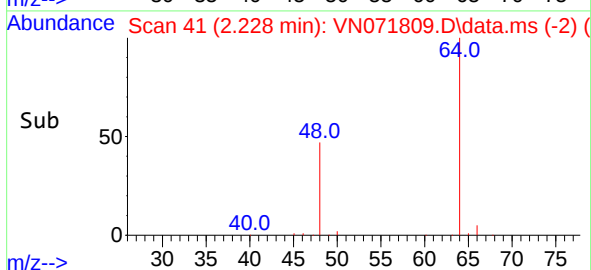
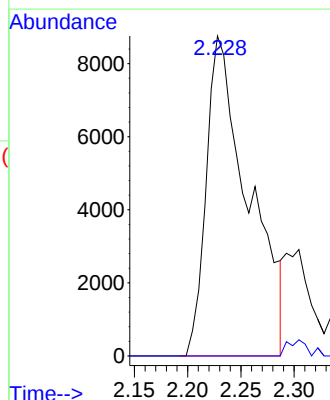
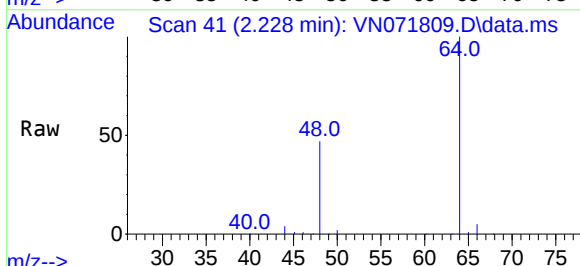
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

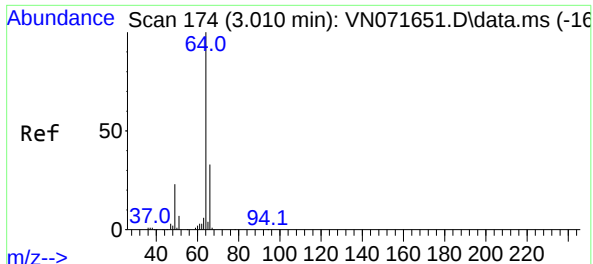
Tgt Ion:168 Resp: 643768  
Ion Ratio Lower Upper  
168 100  
99 52.6 42.3 63.5



#3  
Chloromethane  
Concen: 3.712 ug/l  
RT: 2.228 min Scan# 41  
Delta R.T. -0.071 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 50 Resp: 24072  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5

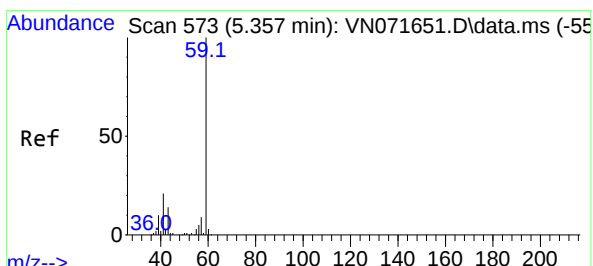
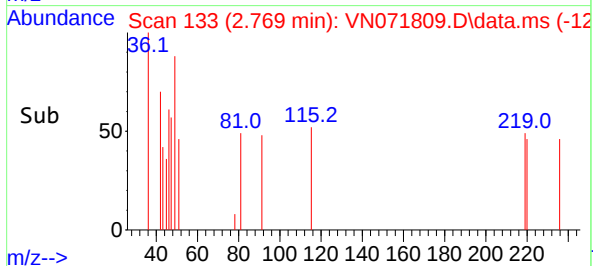
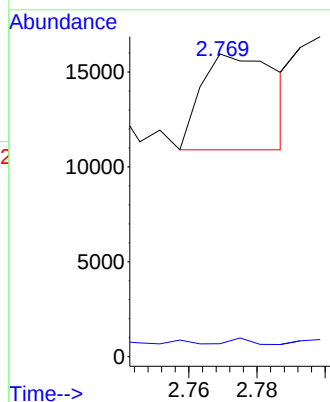
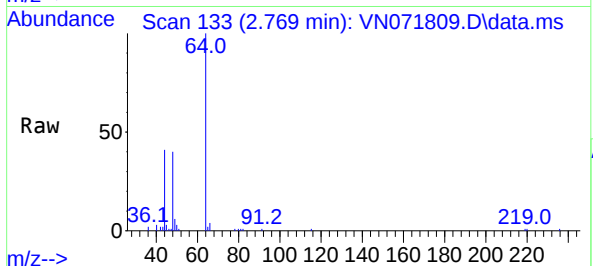




#6  
Chloroethane  
Concen: 1.502 ug/l  
RT: 2.769 min Scan# 11  
Delta R.T. -0.241 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

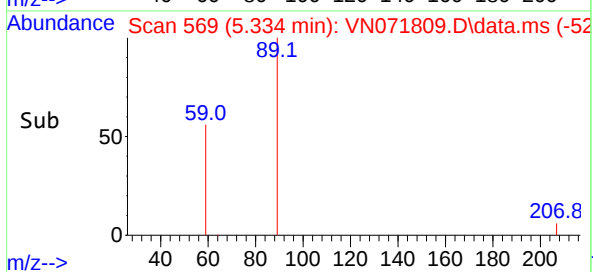
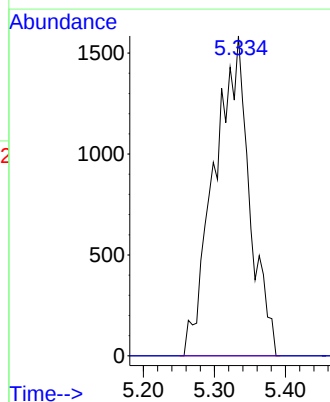
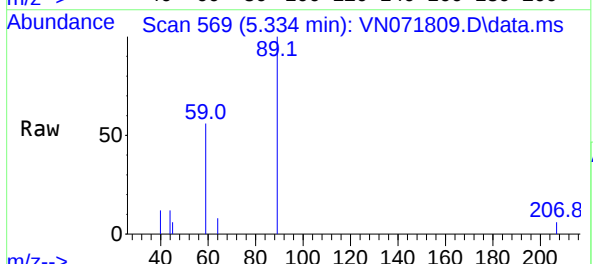
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

Tgt Ion: 64 Resp: 7696  
Ion Ratio Lower Upper  
64 100  
66 0.8 26.2 39.4#



#11  
Tert butyl alcohol  
Concen: 4.601 ug/l  
RT: 5.334 min Scan# 569  
Delta R.T. -0.023 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 59 Resp: 5487  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

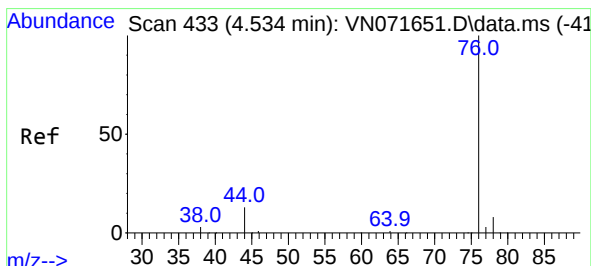
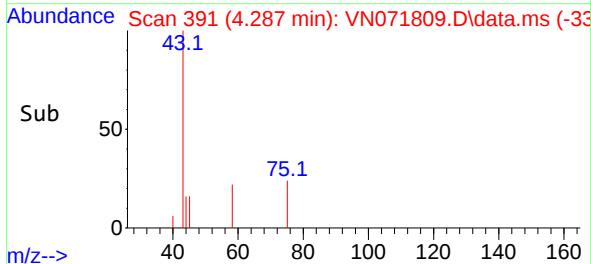
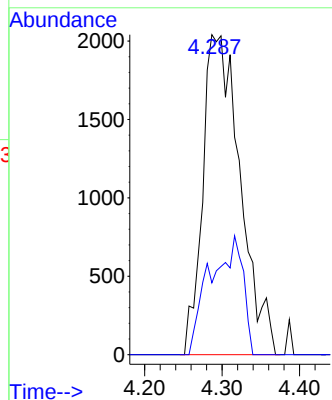
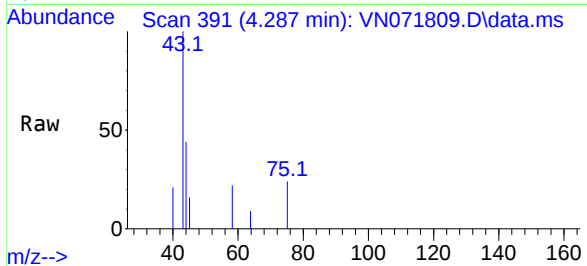




#16  
Acetone  
Concen: 2.184 ug/l  
RT: 4.287 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

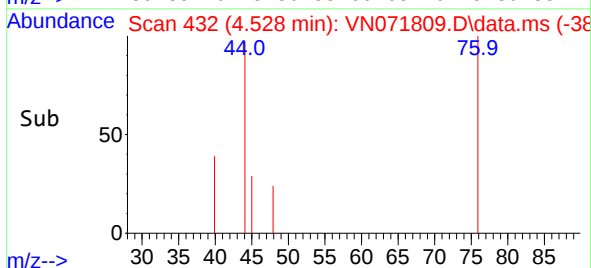
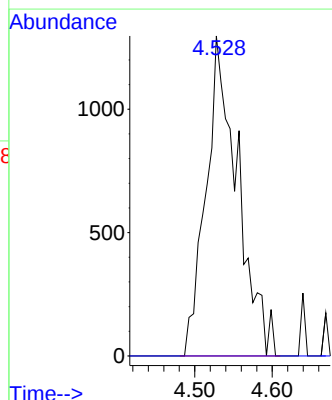
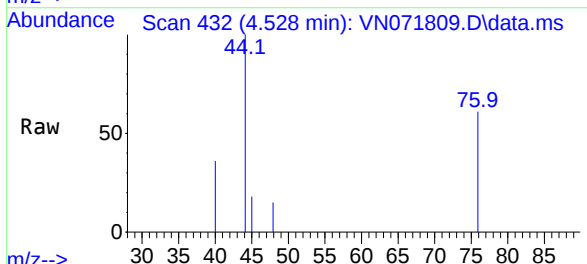
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

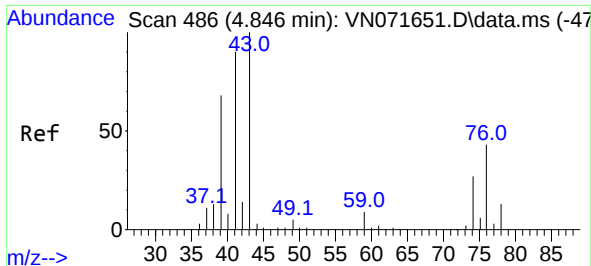
Tgt Ion: 43 Resp: 6859  
Ion Ratio Lower Upper  
43 100  
58 22.4 26.0 39.0#



#17  
Carbon Disulfide  
Concen: 0.302 ug/l  
RT: 4.528 min Scan# 432  
Delta R.T. -0.006 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 76 Resp: 3687  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

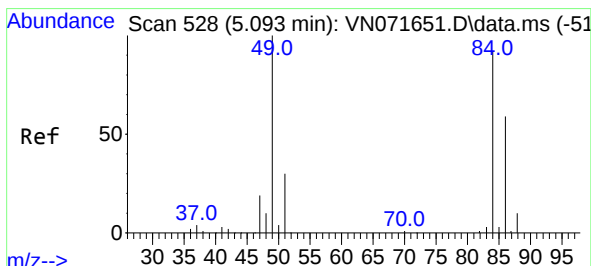
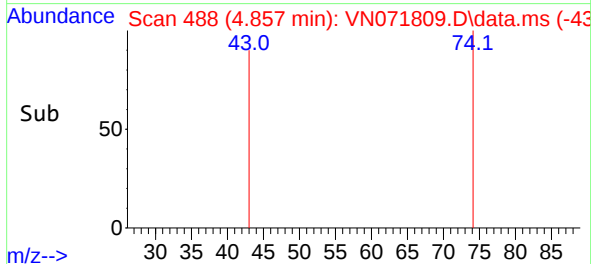
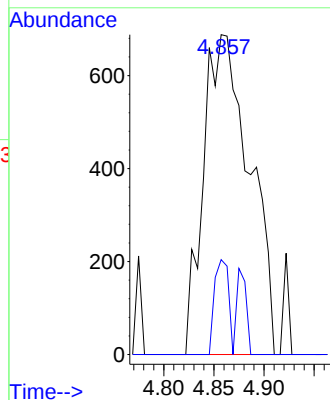
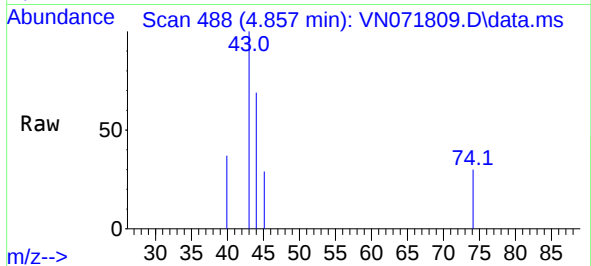




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.857 min Scan# 41  
Delta R.T. 0.011 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

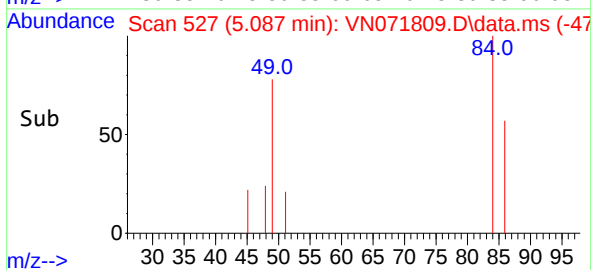
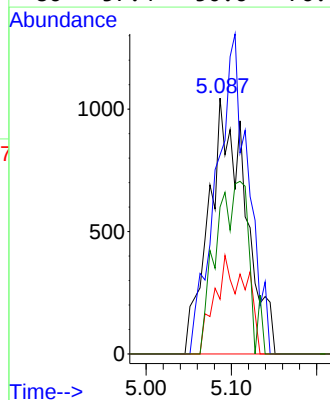
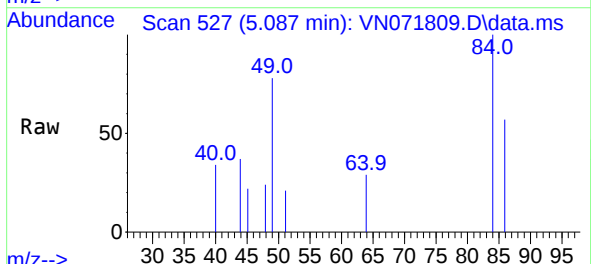
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

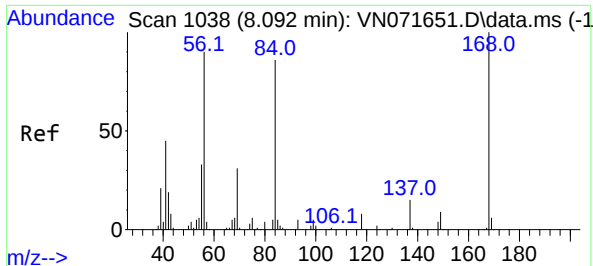
Tgt Ion: 43 Resp: 2204  
Ion Ratio Lower Upper  
43 100  
74 9.0 21.6 32.4#



#20  
Methylene Chloride  
Concen: 0.472 ug/l  
RT: 5.087 min Scan# 527  
Delta R.T. -0.006 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 84 Resp: 3128  
Ion Ratio Lower Upper  
84 100  
49 77.8 88.3 132.5#  
51 21.4 28.2 42.2#  
86 57.4 50.6 76.0

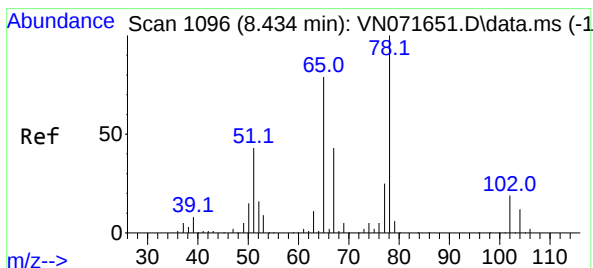
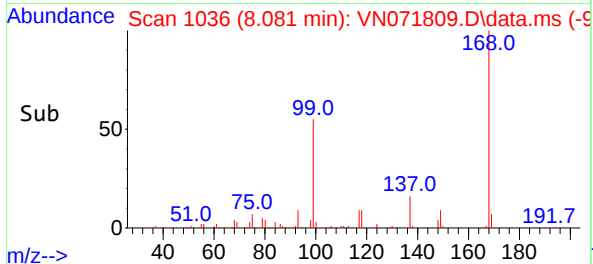
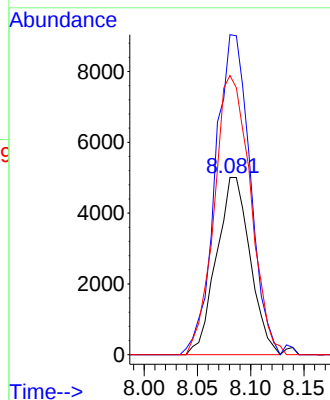
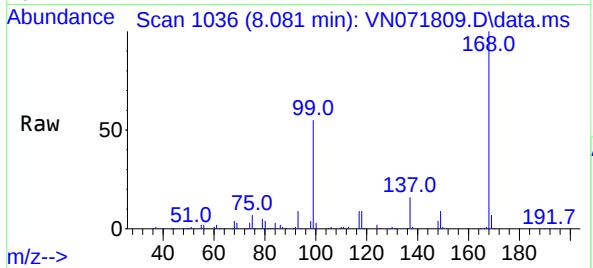




#31  
Cyclohexane  
Concen: 1.100 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.011 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

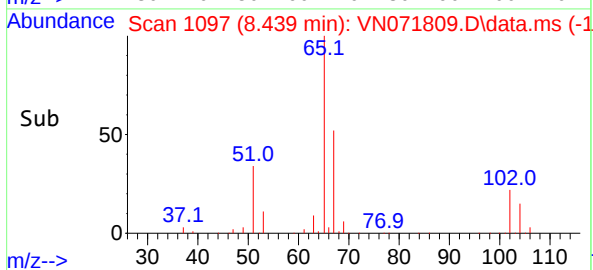
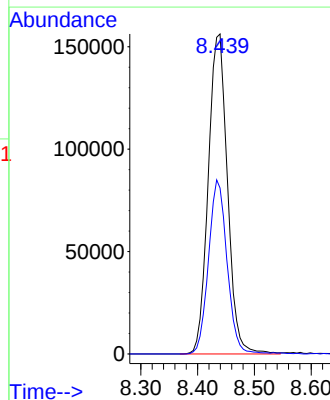
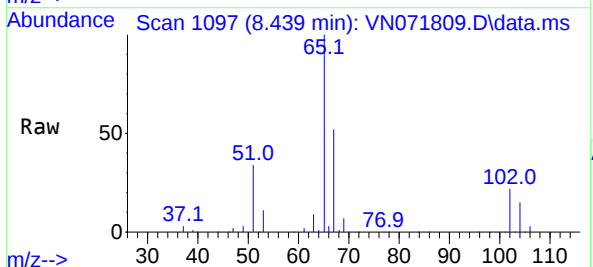
Instrument :  
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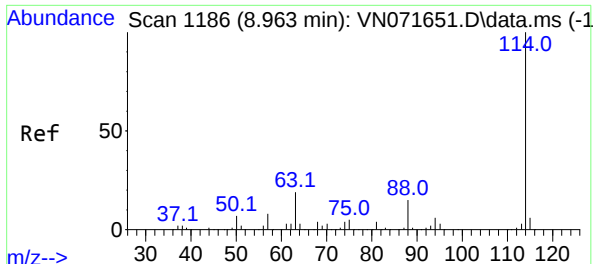
Tgt Ion: 56 Resp: 10997  
Ion Ratio Lower Upper  
56 100  
69 180.5 27.8 41.8#  
84 157.5 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.823 ug/l  
RT: 8.439 min Scan# 1097  
Delta R.T. 0.005 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 65 Resp: 366167  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 104.8

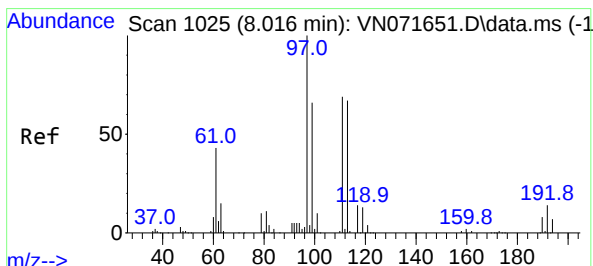
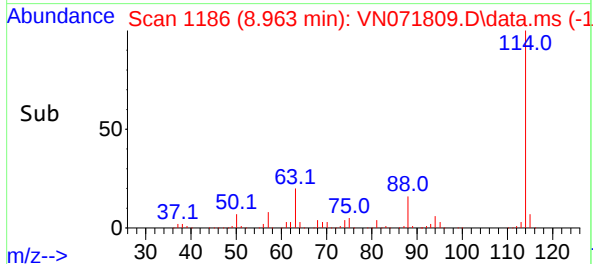
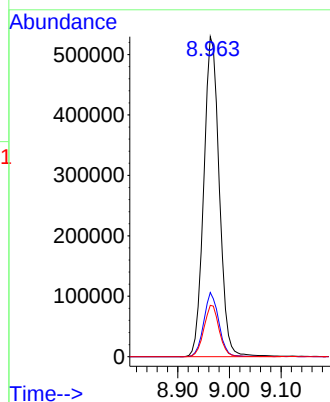
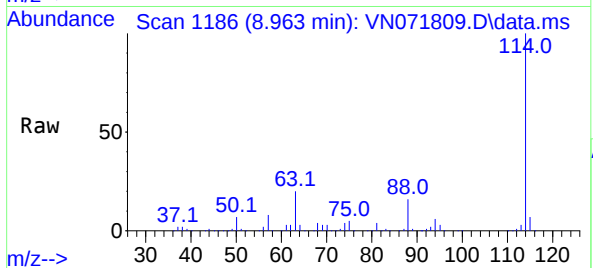




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

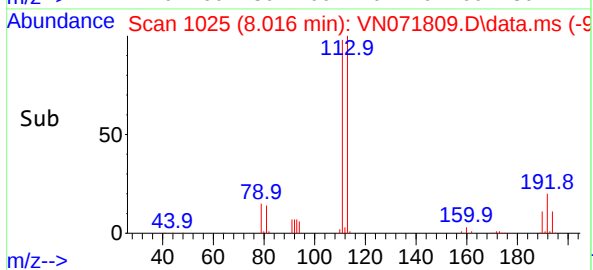
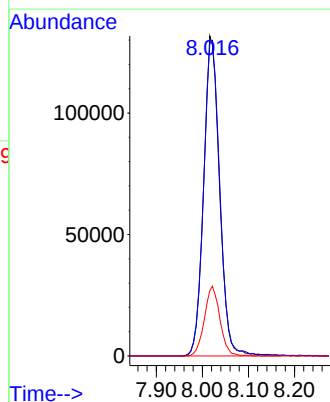
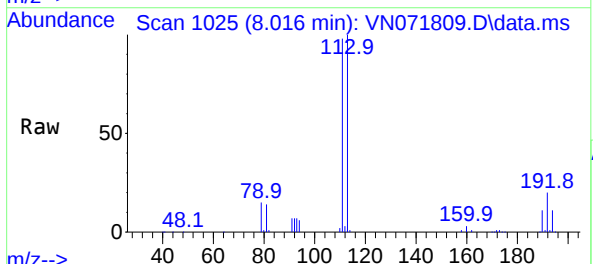
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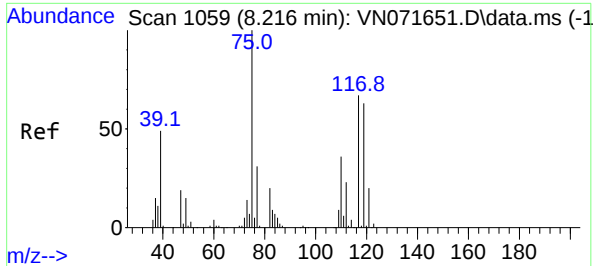
Tgt Ion:114 Resp: 1105015  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 40.0  
88 16.1 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 48.715 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion:113 Resp: 316762  
Ion Ratio Lower Upper  
113 100  
111 100.9 81.4 122.0  
192 21.2 17.0 25.6

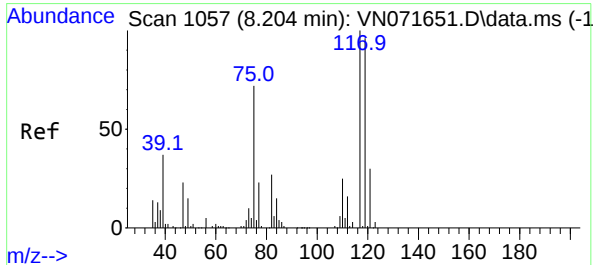
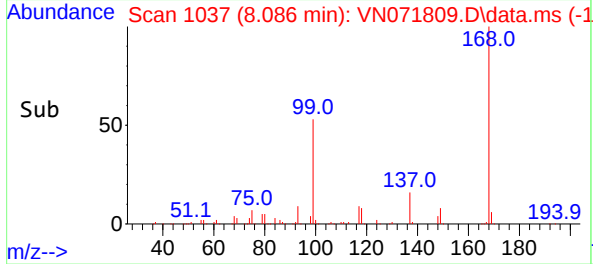
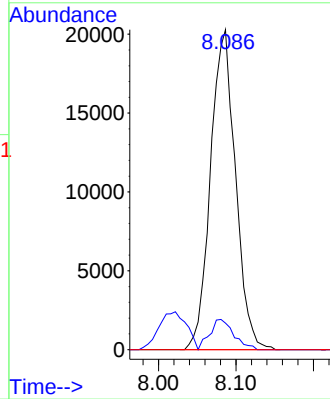
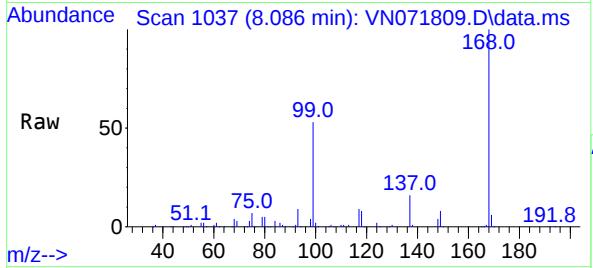




#36  
1,1-Dichloropropene  
Concen: 5.004 ug/l  
RT: 8.086 min Scan# 1037  
Delta R.T. -0.130 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

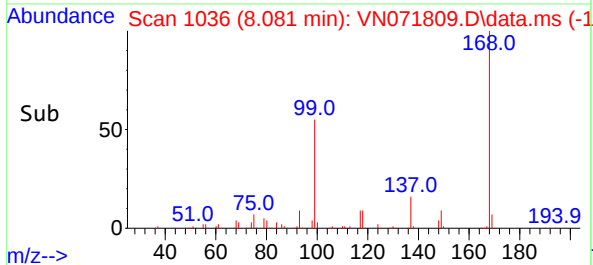
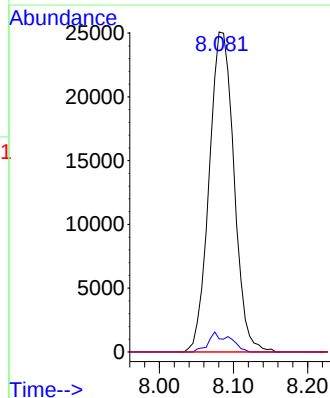
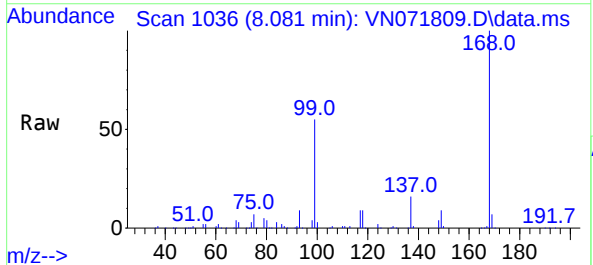
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

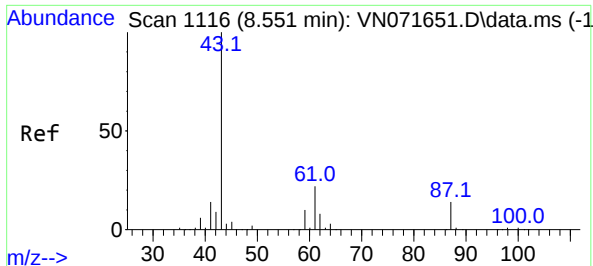
Tgt Ion: 75 Resp: 45437  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.3 54.8#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.560 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.123 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 117 Resp: 58377  
Ion Ratio Lower Upper  
117 100  
119 4.1 75.8 113.8#  
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.209 ug/l

RT: 8.633 min Scan# 1116

Delta R.T. 0.082 min

Lab File: VN071809.D

Acq: 02 Apr 2022 19:46

Instrument :

MSVOA\_N

ClientSampleId :

TB

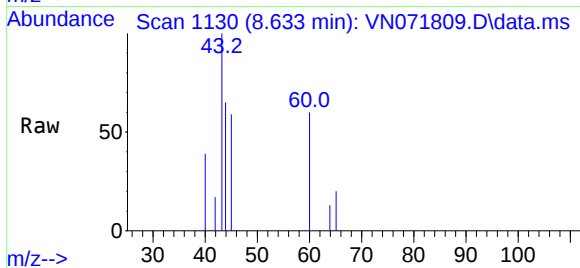
Tgt Ion: 43 Resp: 3451

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



Abundance

8.633

1000

800

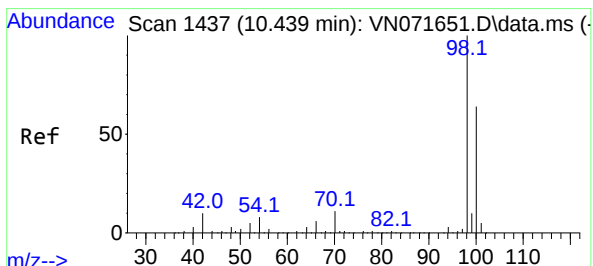
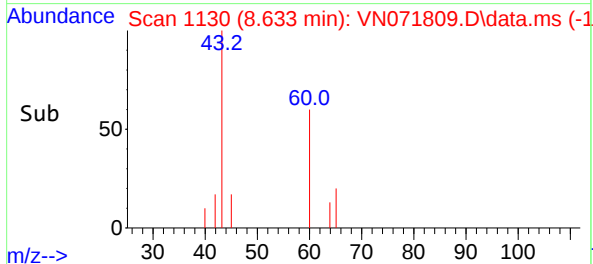
600

400

200

0

Time-->



#50

Toluene-d8

Concen: 52.197 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071809.D

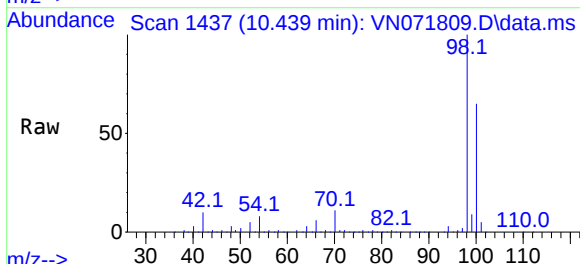
Acq: 02 Apr 2022 19:46

Tgt Ion: 98 Resp: 1388424

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



Abundance

10.439

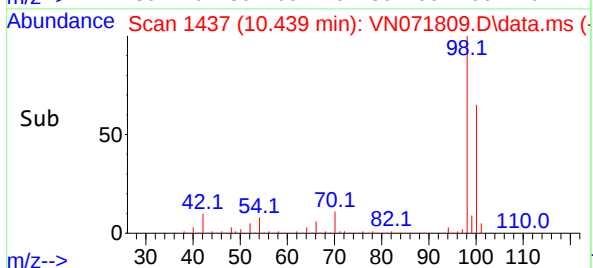
600000

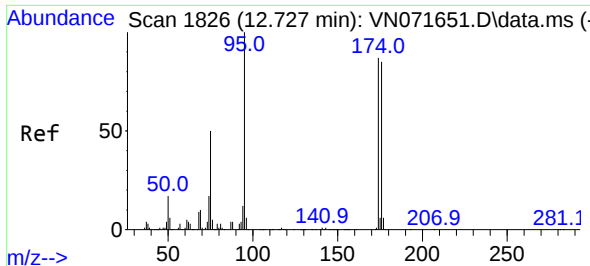
400000

200000

0

Time-->

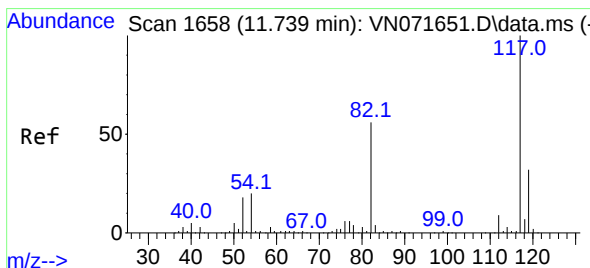
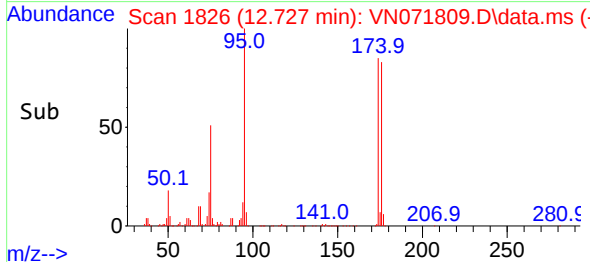
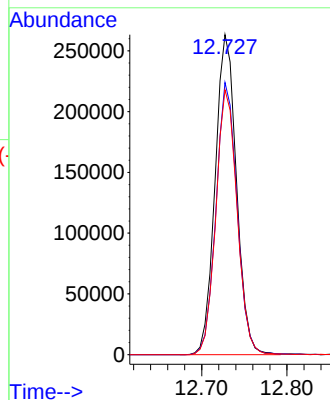
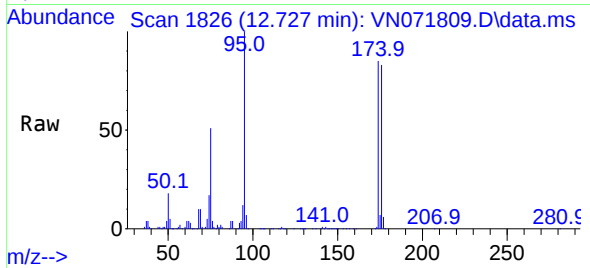




#62  
4-Bromofluorobenzene  
Concen: 53.129 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

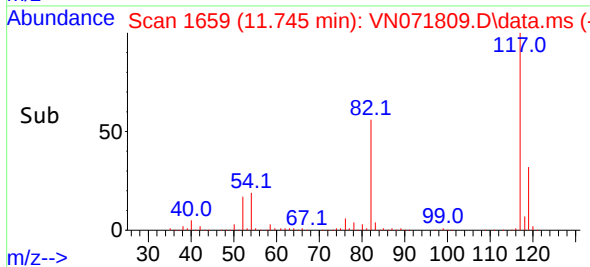
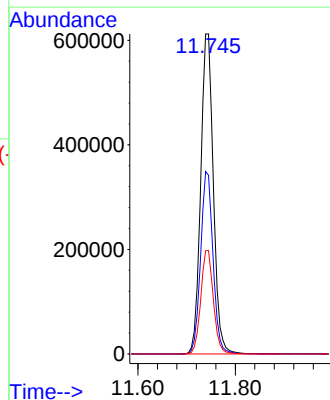
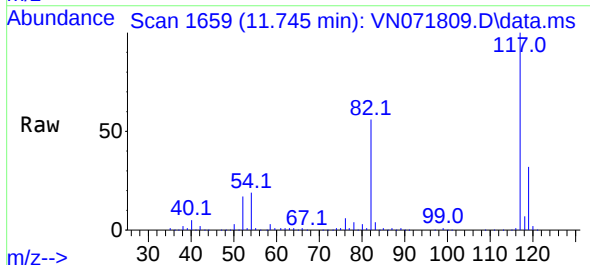
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

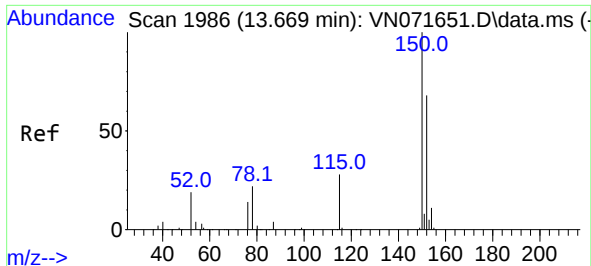
Tgt Ion: 95 Resp: 457056  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 167.6  
176 82.5 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.745 min Scan# 1659  
Delta R.T. 0.006 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 117 Resp: 1109742  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.2 66.2  
119 32.4 25.4 38.0

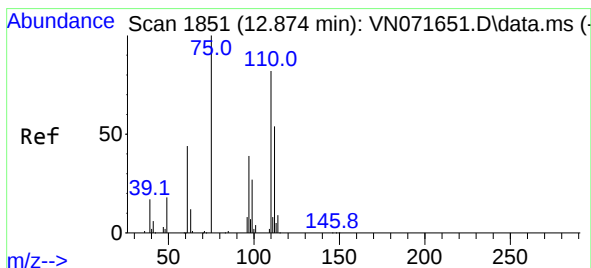
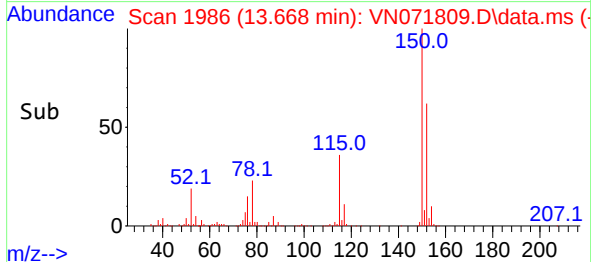
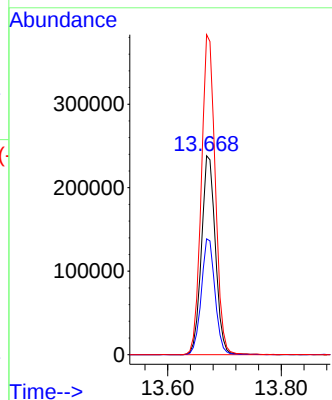
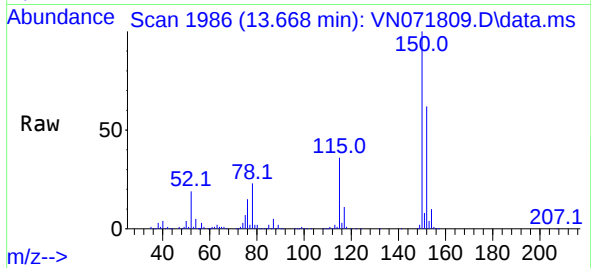




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.001 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

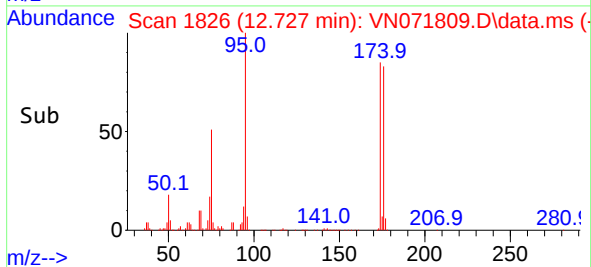
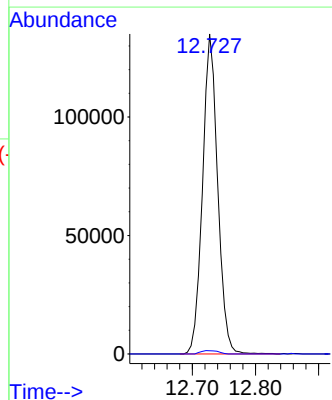
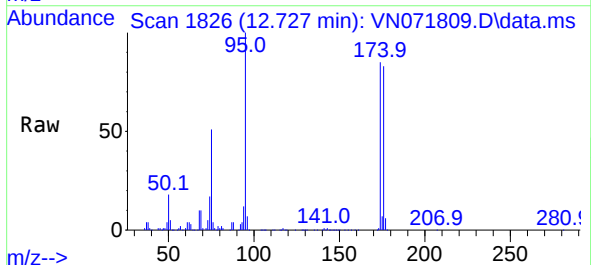
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

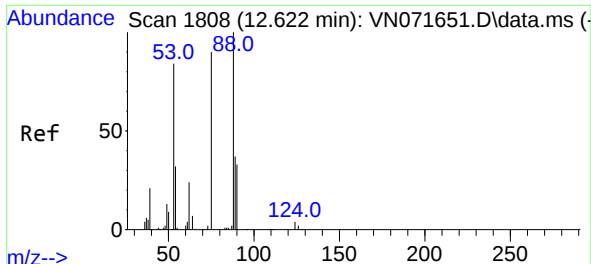
Tgt Ion:152 Resp: 406368  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.9 86.7  
150 160.8 0.0 356.2



#76  
1,2,3-Trichloropropane  
Concen: 23.894 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion: 75 Resp: 224932  
Ion Ratio Lower Upper  
75 100  
77 1.2 98.5 295.5#

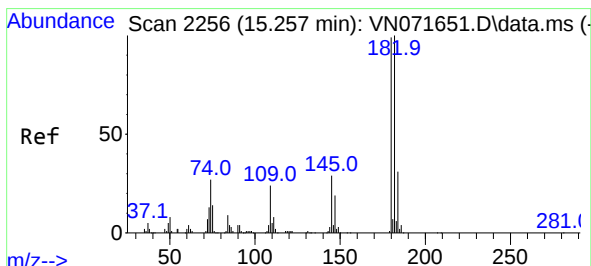
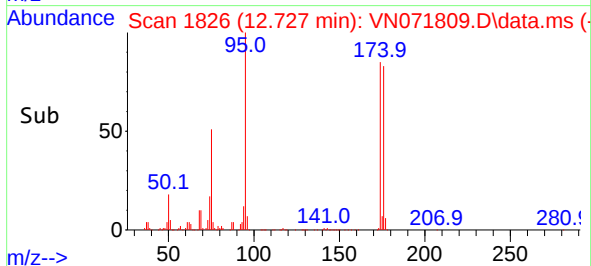
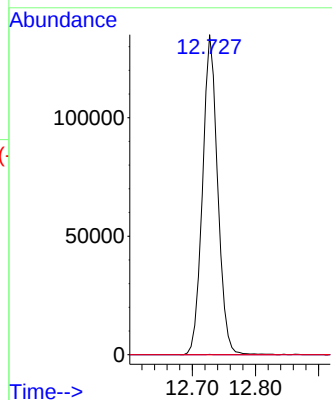
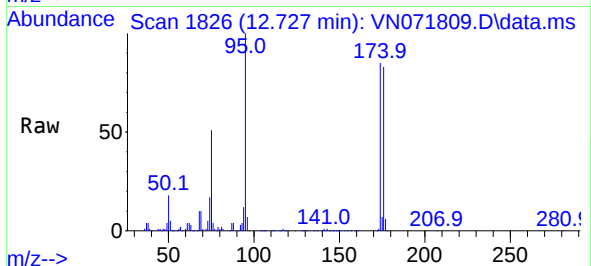




#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.046 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.105 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

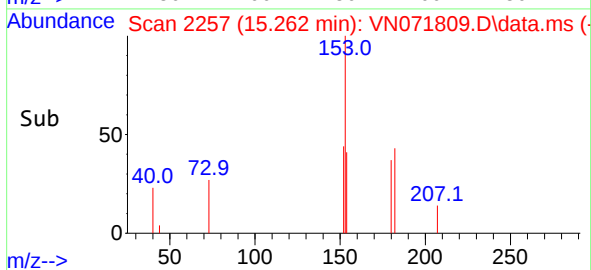
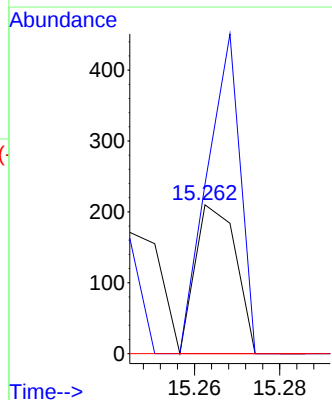
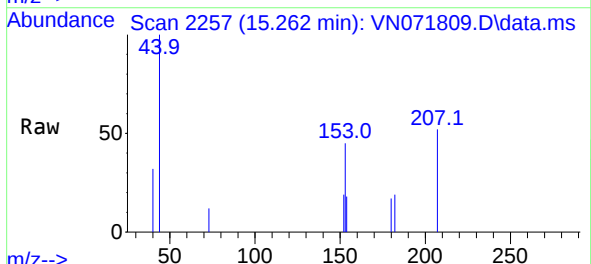
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

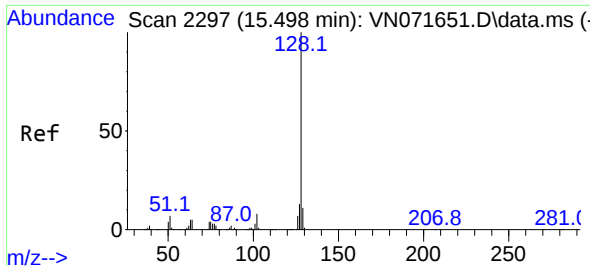
Tgt Ion: 75 Resp: 224932  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.106 ug/l  
RT: 15.262 min Scan# 2257  
Delta R.T. 0.005 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Tgt Ion:180 Resp: 139  
Ion Ratio Lower Upper  
180 100  
182 174.8 47.5 142.5#  
145 0.0 14.5 43.5#

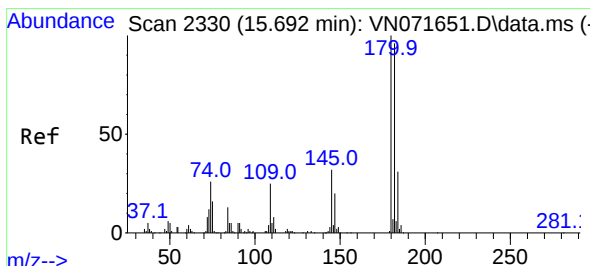
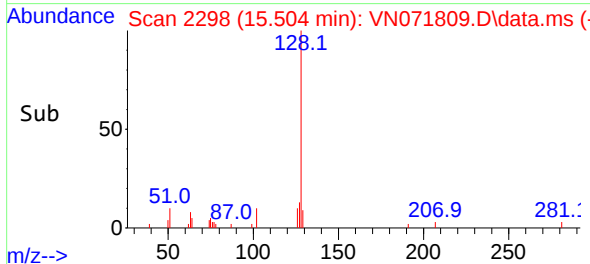
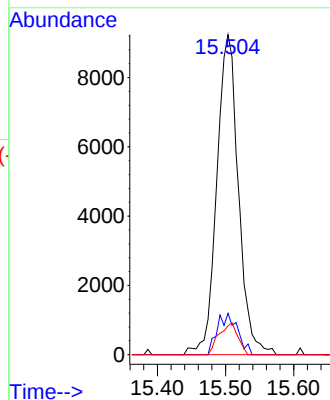
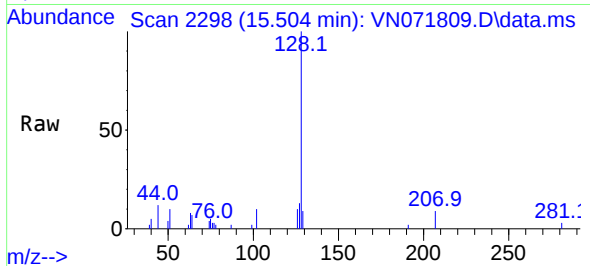




#95  
Naphthalene  
Concen: 4.822 ug/l  
RT: 15.504 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 20418 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.1  | 10.3  | 15.5  |
| 129      | 8.6   | 8.6   | 13.0# |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.450 ug/l  
RT: 15.715 min Scan# 2334  
Delta R.T. 0.023 min  
Lab File: VN071809.D  
Acq: 02 Apr 2022 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 234    |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 0.0   | 47.8  | 143.3# |
| 145      | 0.0   | 15.5  | 46.5#  |

