

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081722\  
 Data File : VN073984.D  
 Acq On : 17 Aug 2022 18:25  
 Operator : JC\MD  
 Sample : N4229-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-08162022

Quant Time: Aug 18 00:49:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

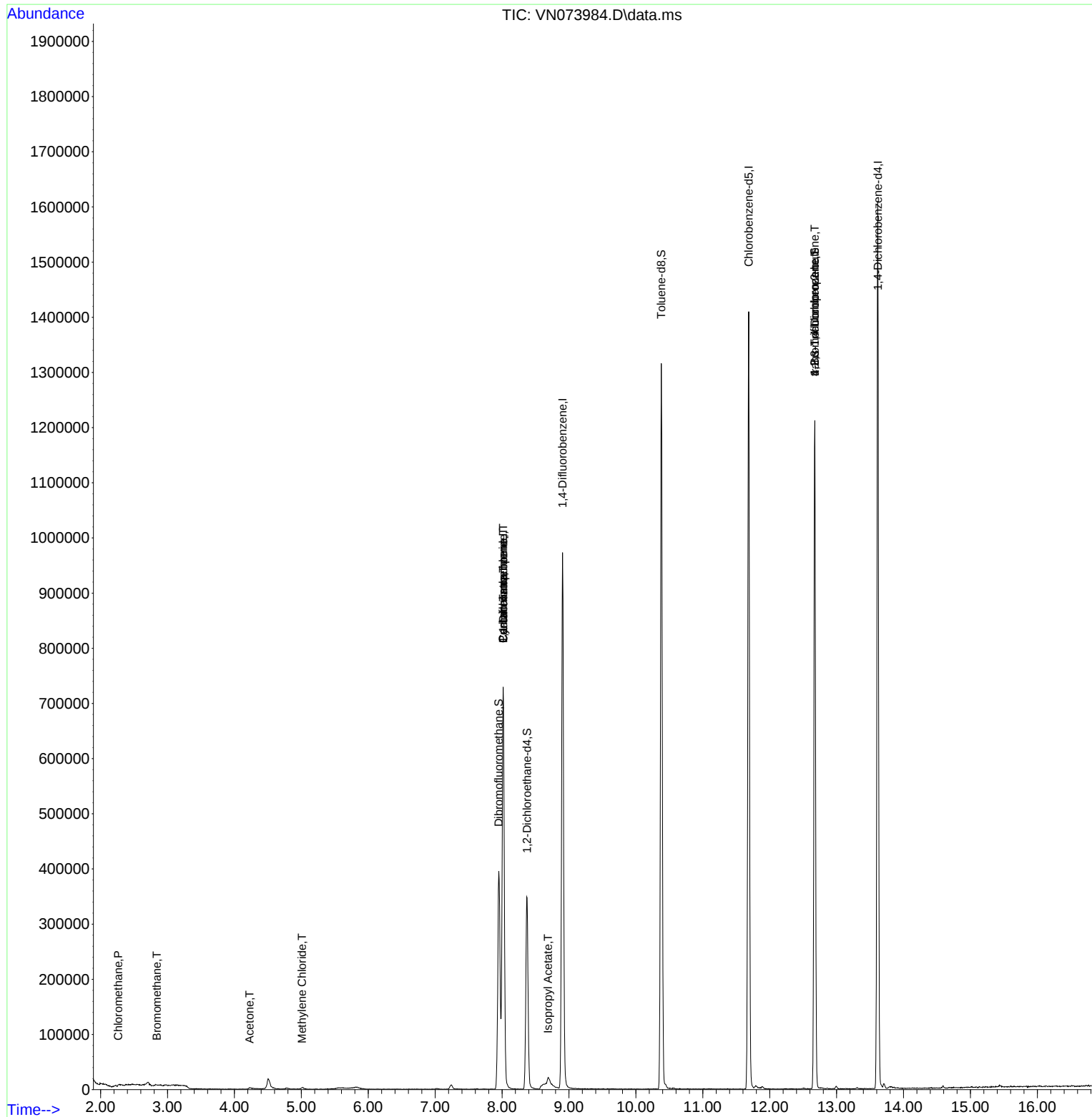
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 624580   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 921897   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 876964   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.616 | 152   | 477337   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.375  | 65    | 298690   | 49.099    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 98.200%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 290502   | 53.284    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 106.560% |
| 50) Toluene-d8                | 10.380 | 98    | 956029   | 45.277    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 90.560%  |
| 62) 4-Bromofluorobenzene      | 12.674 | 95    | 404736   | 57.756    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 115.520% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.263  | 50    | 1246     | 0.226     | ug/l   | 93       |
| 5) Bromomethane               | 2.840  | 94    | 1199     | 0.272     | ug/l   | 98       |
| 16) Acetone                   | 4.228  | 43    | 4650     | 1.620     | ug/l   | 99       |
| 18) Methyl Acetate            | 4.787  | 43    | 4135     | Below Cal | #      | 48       |
| 20) Methylene Chloride        | 5.010  | 84    | 2728     | 0.450     | ug/l # | 89       |
| 31) Cyclohexane               | 8.016  | 56    | 10384    | 1.224     | ug/l # | 30       |
| 36) 1,1-Dichloropropene       | 8.016  | 75    | 38822    | 5.127     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 53444    | 6.174     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.686  | 43    | 42266    | 3.234     | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 12.674 | 75    | 197674   | 19.924    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.674 | 75    | 197674   | 56.668    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

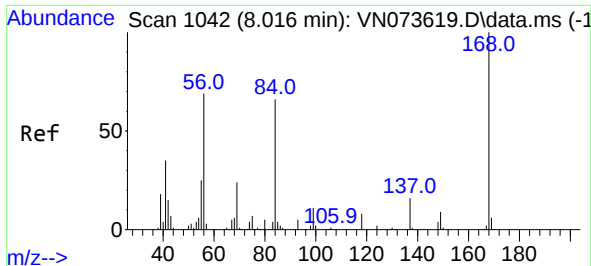
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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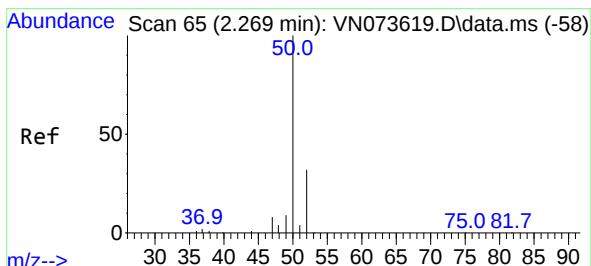
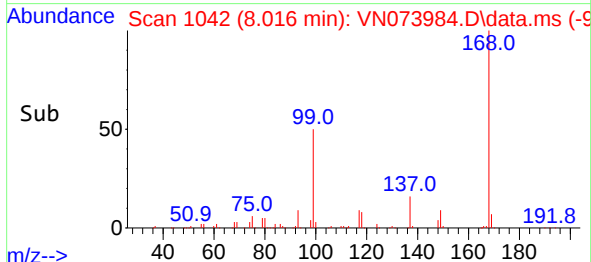
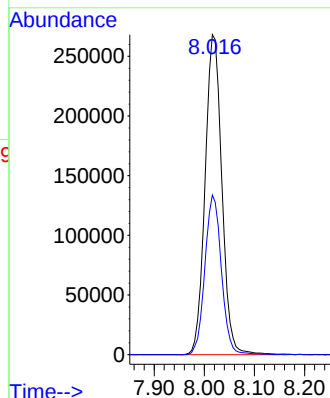
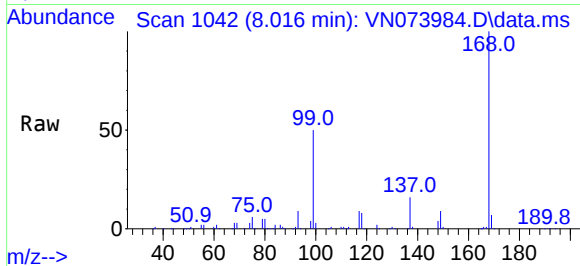




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

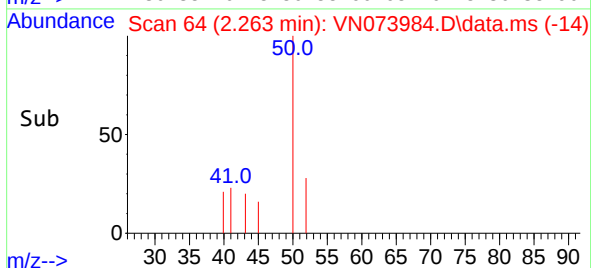
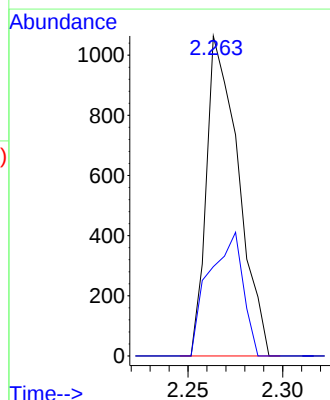
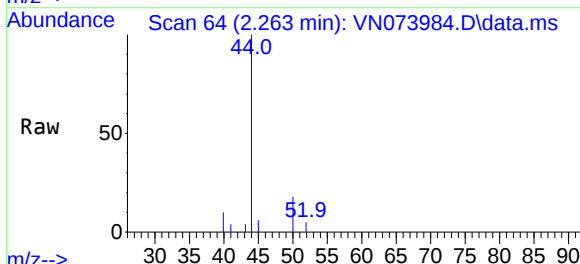
Instrument :  
MSVOA\_N  
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TB-08162022

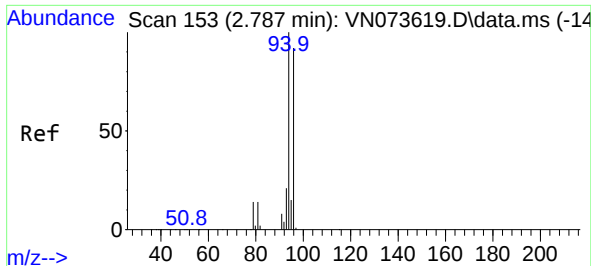
Tgt Ion:168 Resp: 624580  
Ion Ratio Lower Upper  
168 100  
99 49.9 42.3 63.5



#3  
Chloromethane  
Concen: 0.226 ug/l  
RT: 2.263 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Tgt Ion: 50 Resp: 1246  
Ion Ratio Lower Upper  
50 100  
52 27.9 25.7 38.5

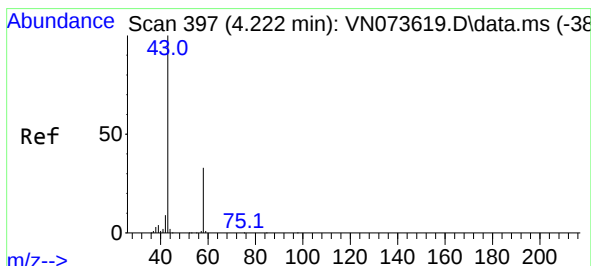
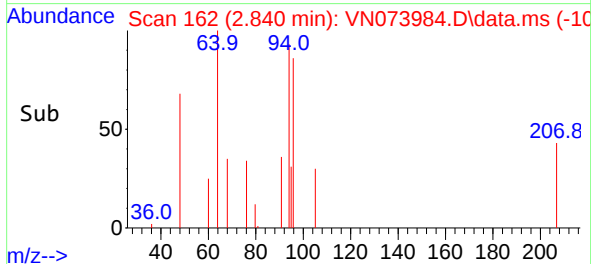
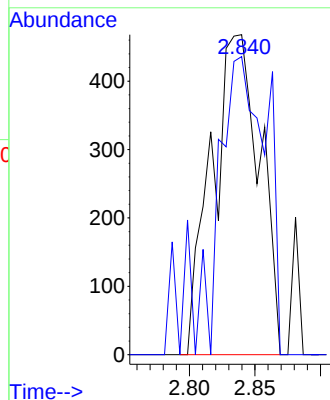
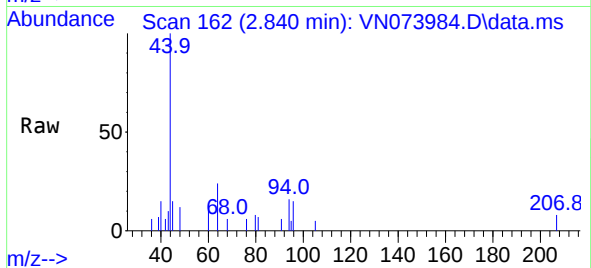




#5  
Bromomethane  
Concen: 0.272 ug/l  
RT: 2.840 min Scan# 1199  
Delta R.T. 0.053 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

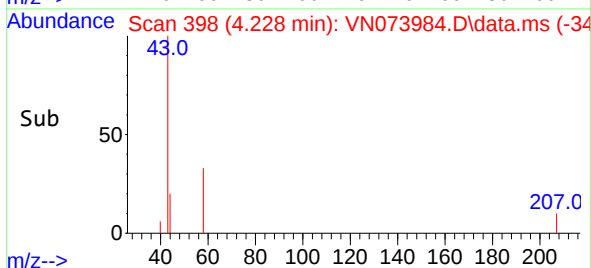
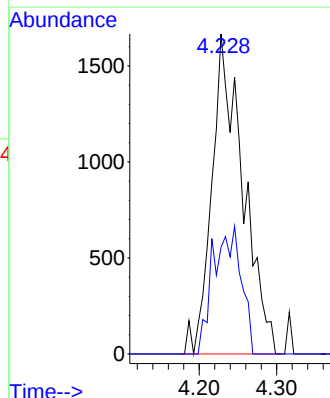
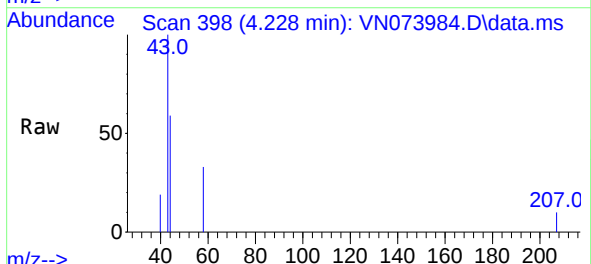
Instrument :  
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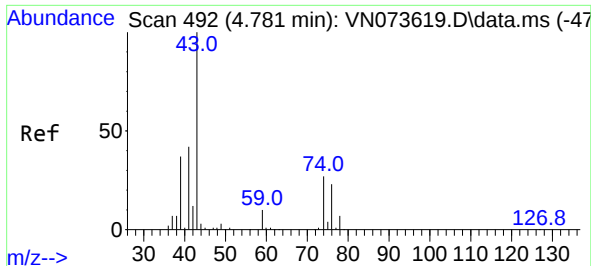
Tgt Ion: 94 Resp: 1199  
Ion Ratio Lower Upper  
94 100  
96 93.2 76.0 114.0



#16  
Acetone  
Concen: 1.620 ug/l  
RT: 4.228 min Scan# 398  
Delta R.T. 0.006 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Tgt Ion: 43 Resp: 4650  
Ion Ratio Lower Upper  
43 100  
58 33.3 26.0 39.0

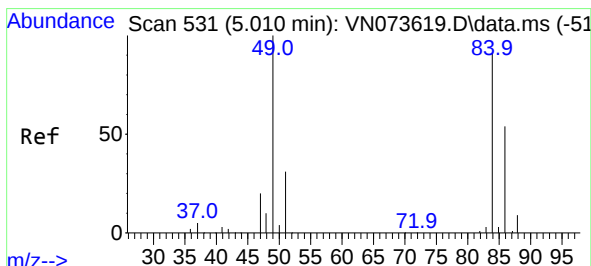
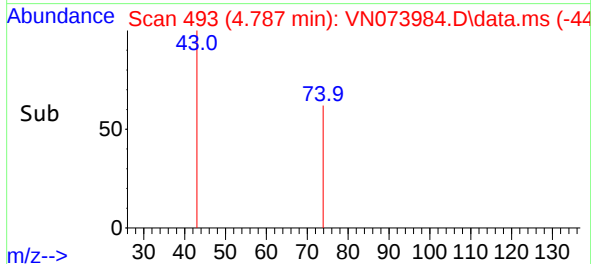
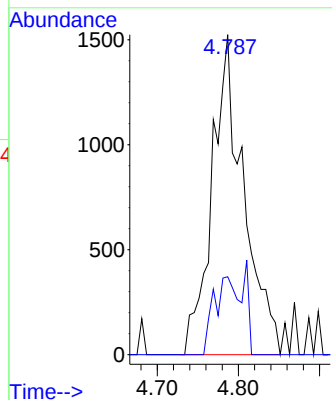
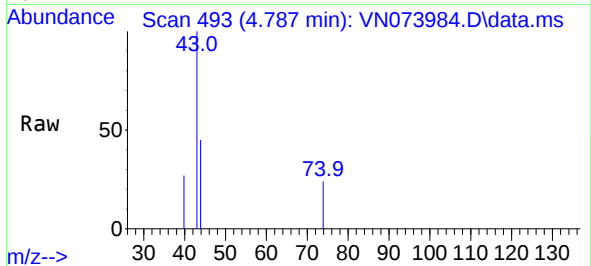




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.787 min Scan# 492  
Delta R.T. 0.006 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

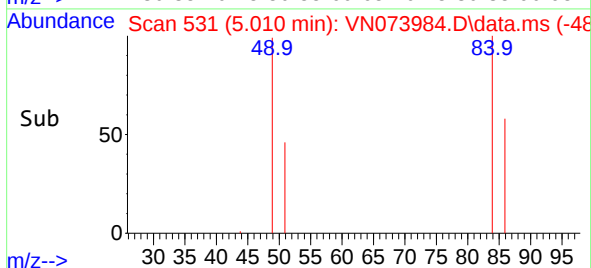
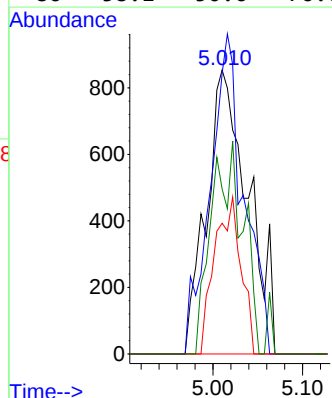
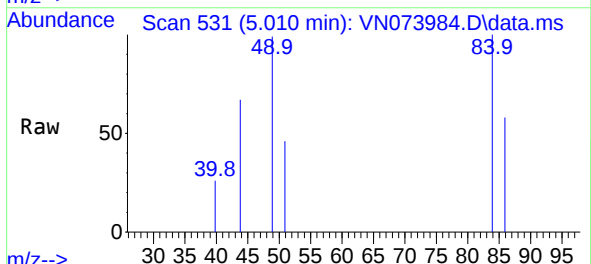
Instrument :  
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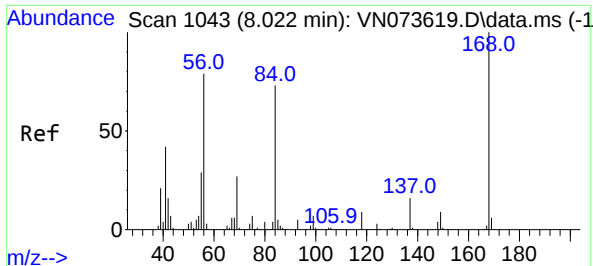
Tgt Ion: 43 Resp: 4135  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.6 32.4#



#20  
Methylene Chloride  
Concen: 0.450 ug/l  
RT: 5.010 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Tgt Ion: 84 Resp: 2728  
Ion Ratio Lower Upper  
84 100  
49 98.7 88.3 132.5  
51 46.0 28.2 42.2#  
86 58.1 50.6 76.0

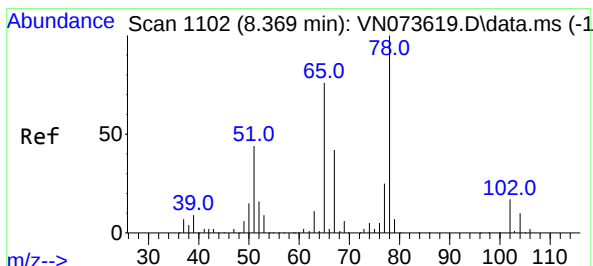
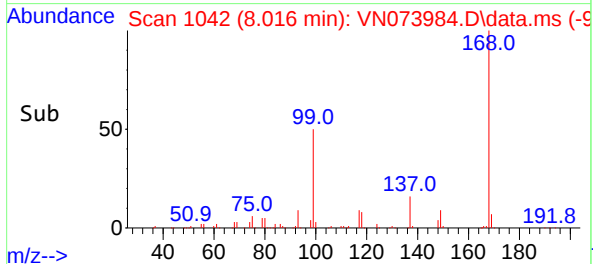
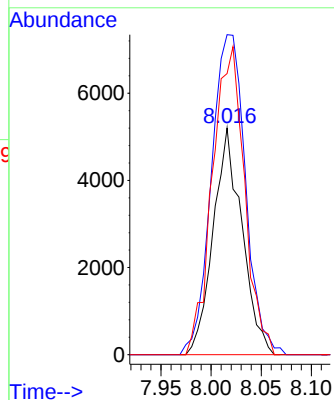
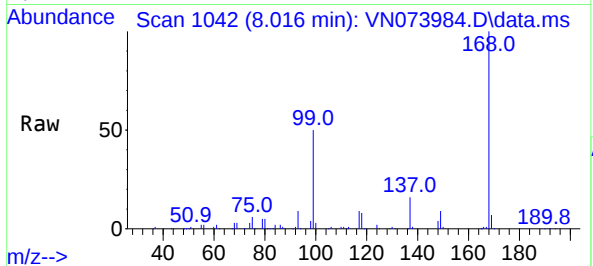




#31  
Cyclohexane  
Concen: 1.224 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

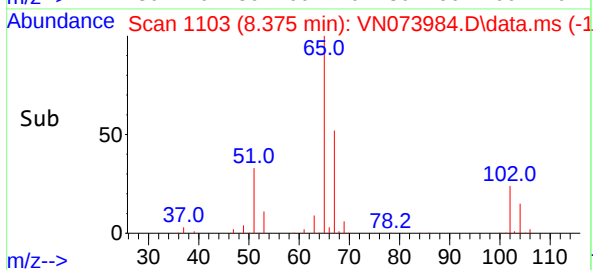
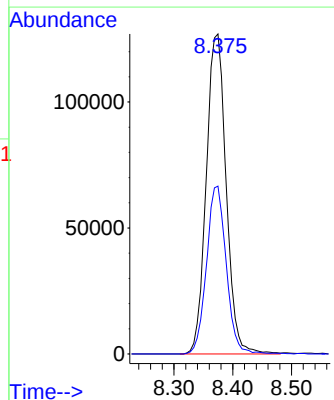
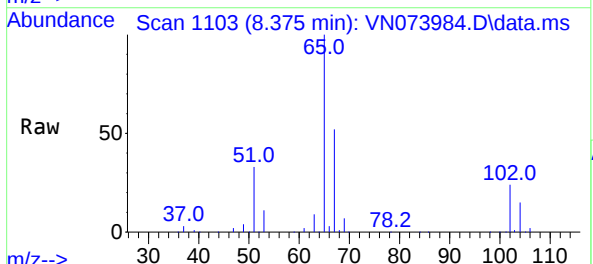
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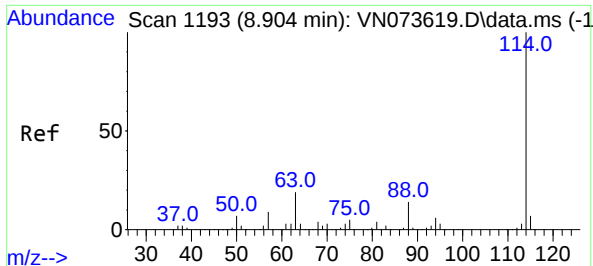
Tgt Ion: 56 Resp: 10384  
Ion Ratio Lower Upper  
56 100  
69 141.1 27.8 41.8#  
84 124.0 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.099 ug/l  
RT: 8.375 min Scan# 1103  
Delta R.T. 0.006 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Tgt Ion: 65 Resp: 298690  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.8

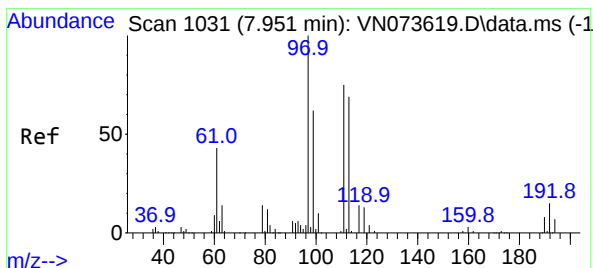
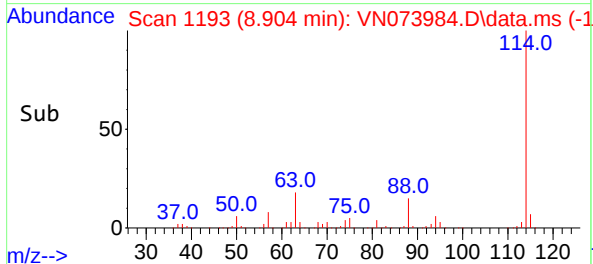
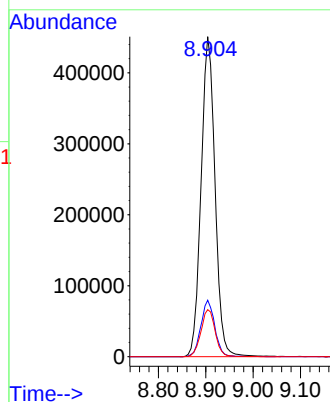
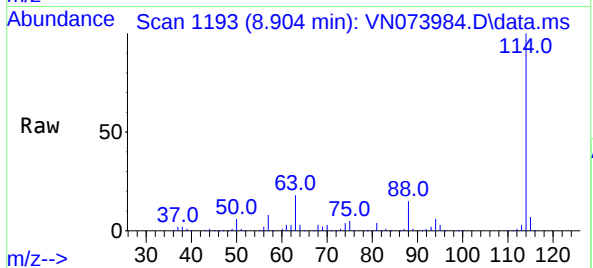




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

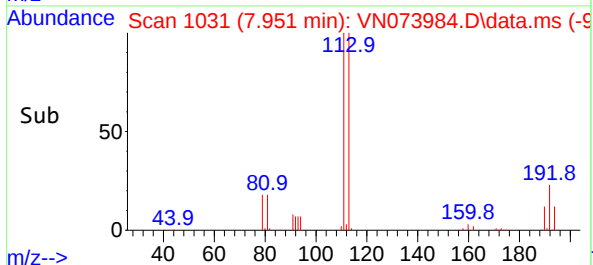
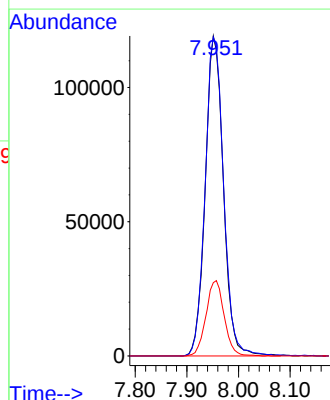
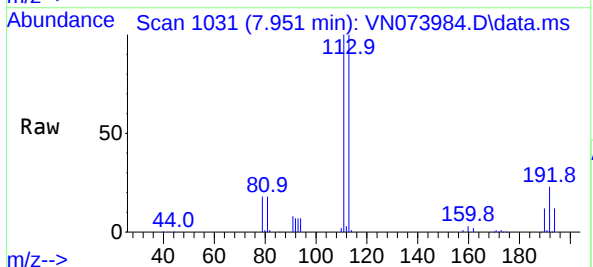
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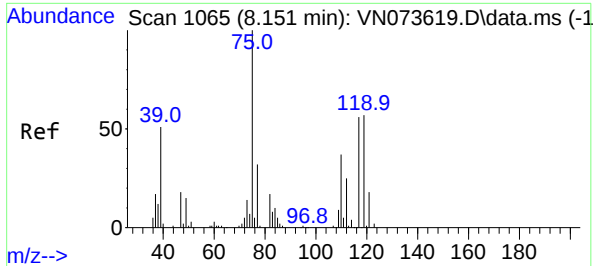
Tgt Ion:114 Resp: 921897  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 40.0  
88 14.7 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 53.284 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Tgt Ion:113 Resp: 290502  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.4 122.0  
192 23.6 17.0 25.6

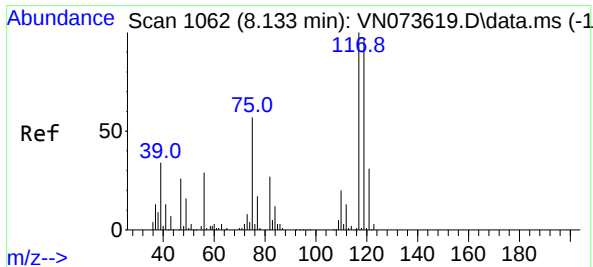
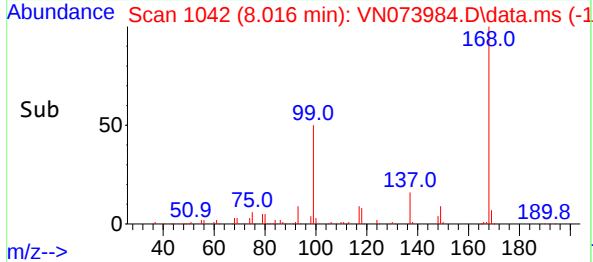
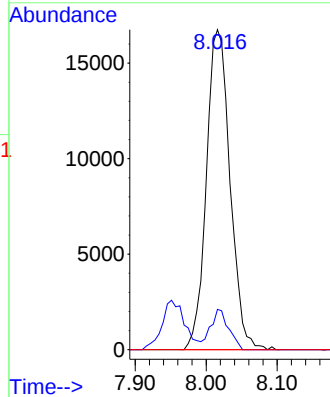
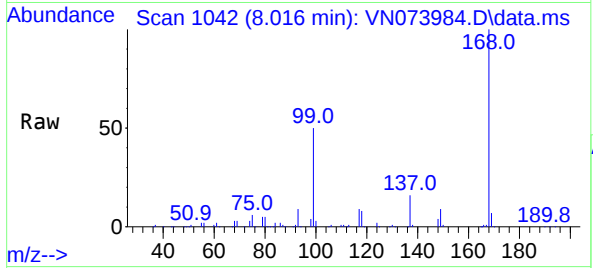




#36  
1,1-Dichloropropene  
Concen: 5.127 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.135 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

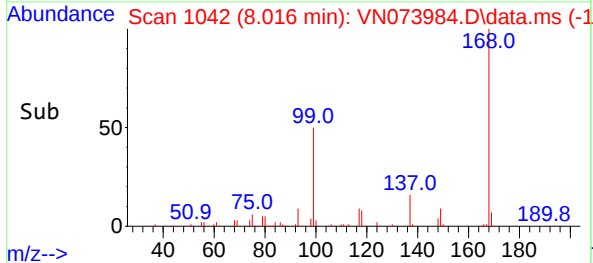
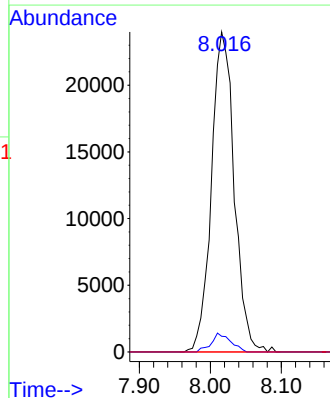
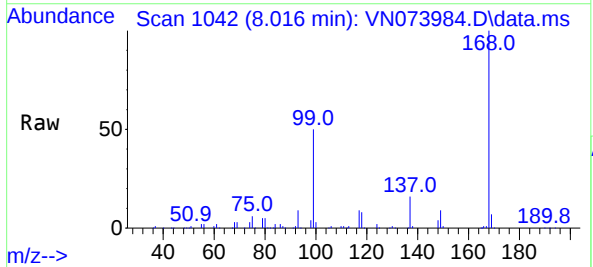
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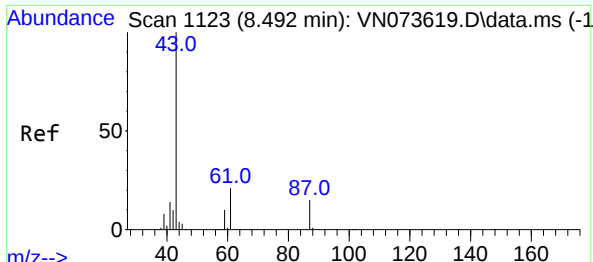
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 38822 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 9.6     | 18.3 54.8#  |
| 77 0.0      | 25.1 37.7#  |



#38  
Carbon Tetrachloride  
Concen: 6.174 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.117 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 53444 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 4.9      | 75.8 113.8# |
| 121 0.0      | 24.6 37.0#  |

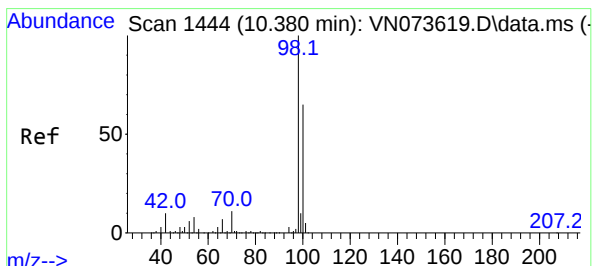
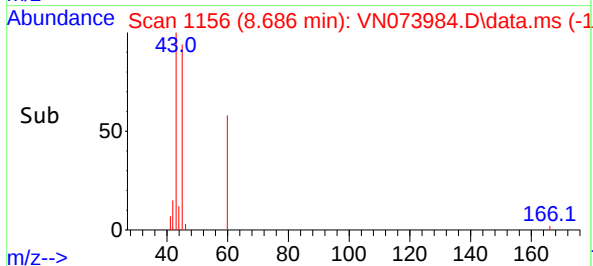
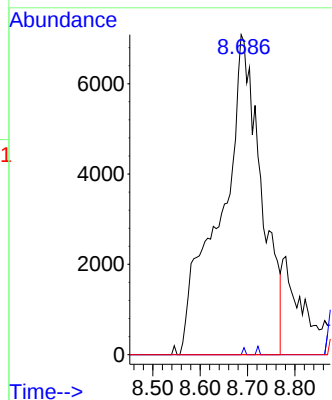
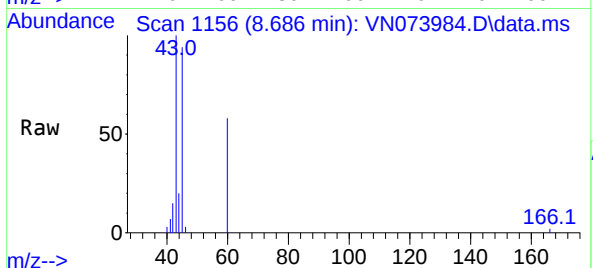




#43  
Isopropyl Acetate  
Concen: 3.234 ug/l  
RT: 8.686 min Scan# 1123  
Delta R.T. 0.194 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

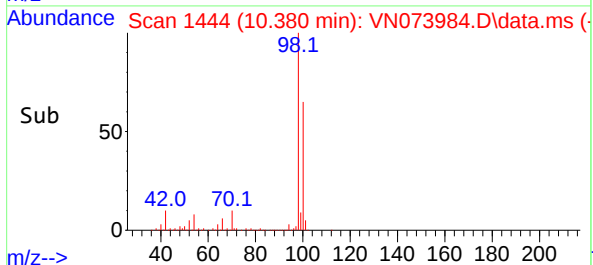
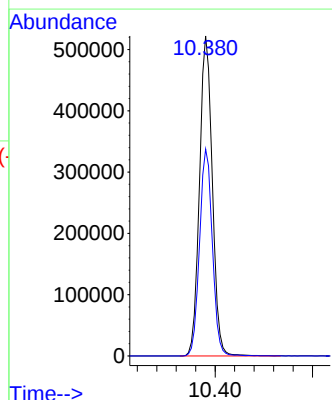
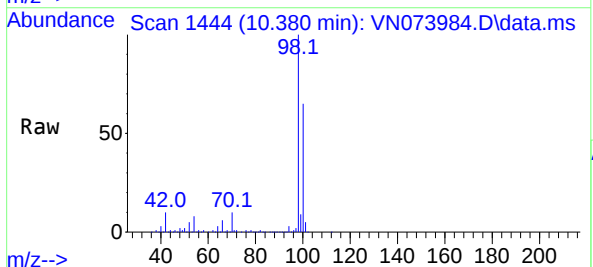
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-08162022

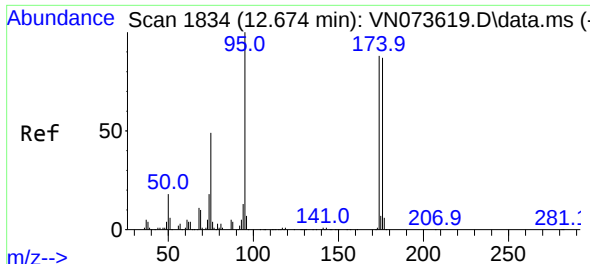
Tgt Ion: 43 Resp: 42266  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 45.277 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Tgt Ion: 98 Resp: 956029  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.6 78.8

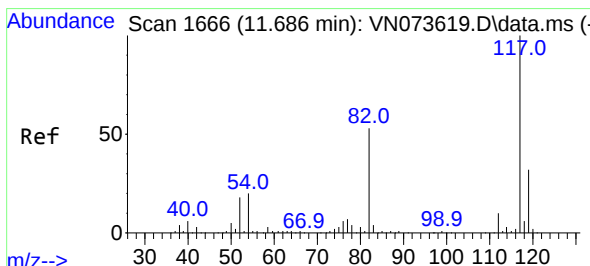
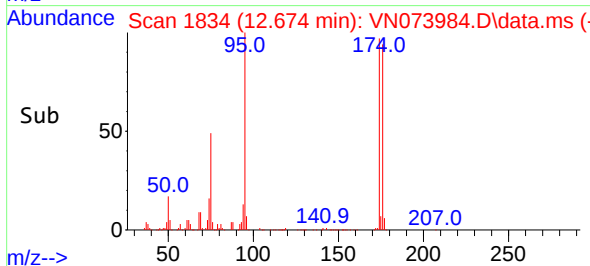
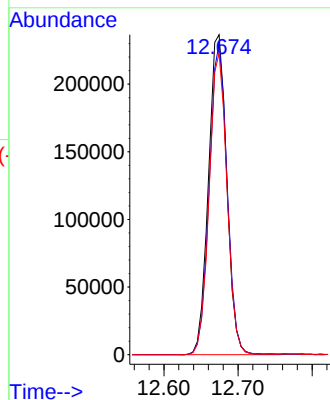
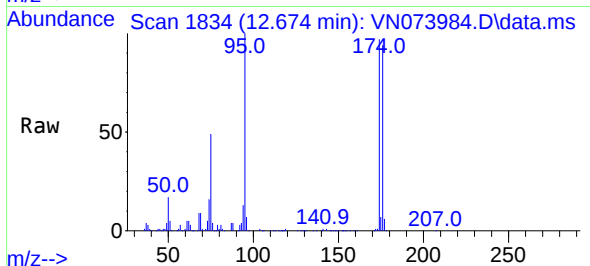




#62  
4-Bromofluorobenzene  
Concen: 57.756 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

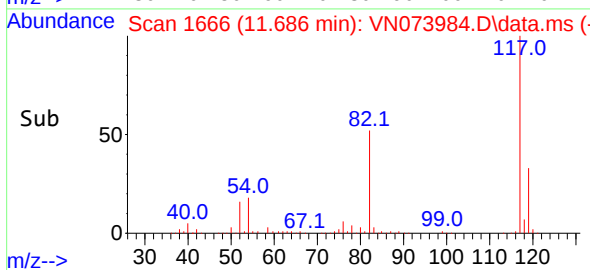
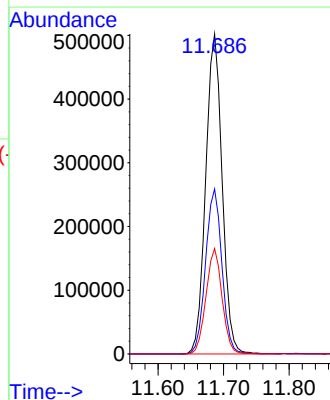
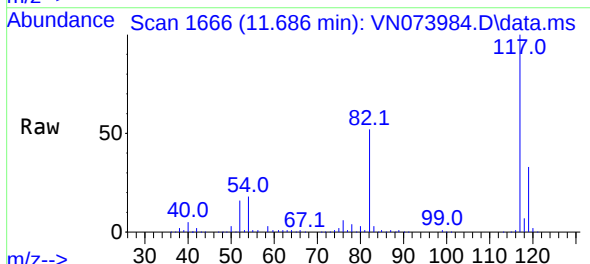
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-08162022

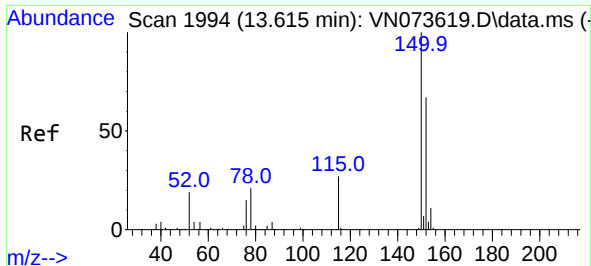
Tgt Ion: 95 Resp: 404736  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 167.6  
176 91.6 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

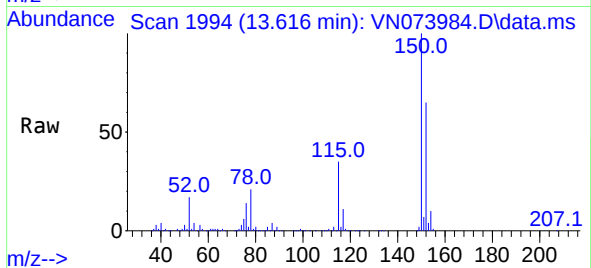
Tgt Ion: 117 Resp: 876964  
Ion Ratio Lower Upper  
117 100  
82 51.6 44.2 66.2  
119 32.9 25.4 38.0



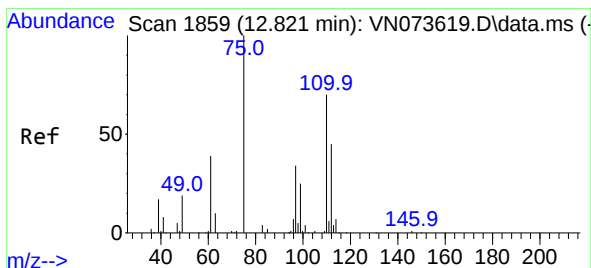
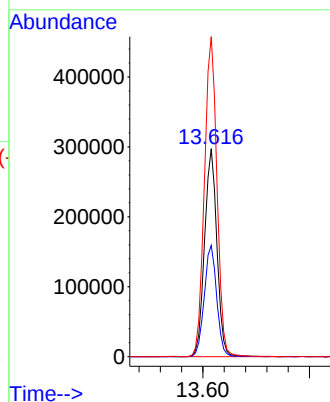
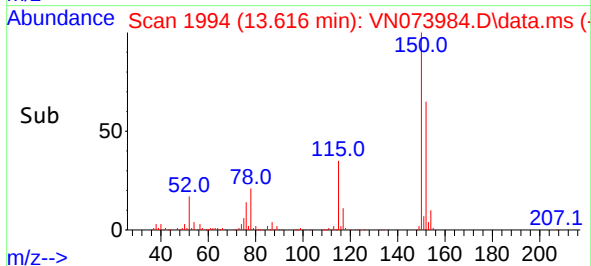


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.616 min Scan# 1994  
Delta R.T. 0.001 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-08162022

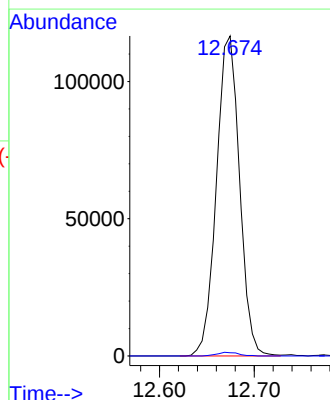
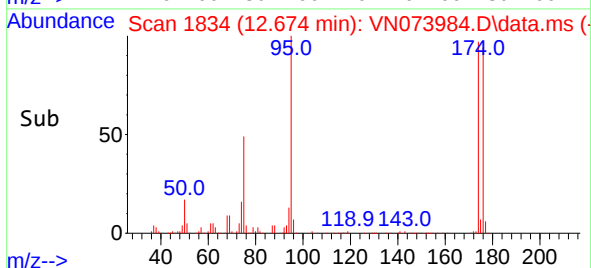
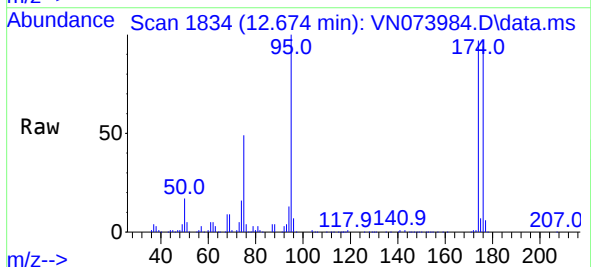


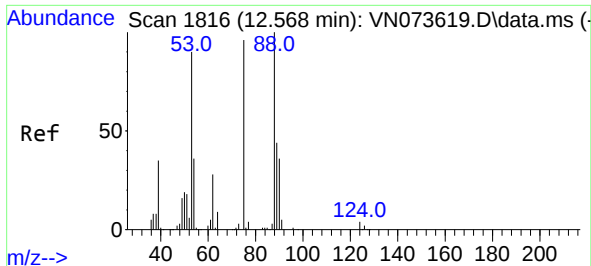
Tgt Ion:152 Resp: 477337  
Ion Ratio Lower Upper  
152 100  
115 54.0 28.9 86.7  
150 156.4 0.0 356.2



#76  
1,2,3-Trichloropropane  
Concen: 19.924 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. -0.147 min  
Lab File: VN073984.D  
Acq: 17 Aug 2022 18:25

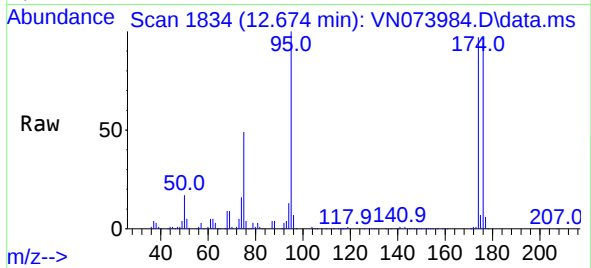
Tgt Ion: 75 Resp: 197674  
Ion Ratio Lower Upper  
75 100  
77 1.1 98.5 295.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 56.668 ug/l  
 RT: 12.674 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VN073984.D  
 Acq: 17 Aug 2022 18:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-08162022



Tgt Ion: 75 Resp: 197674  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.0 117.0#  
 89 0.0 37.2 55.8#

