

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080122\  
 Data File : VN073661.D  
 Acq On : 01 Aug 2022 15:43  
 Operator : JC\MD  
 Sample : N3814-14  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB

Quant Time: Aug 02 05:02:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 29 02:20:25 2022  
 Response via : Initial Calibration

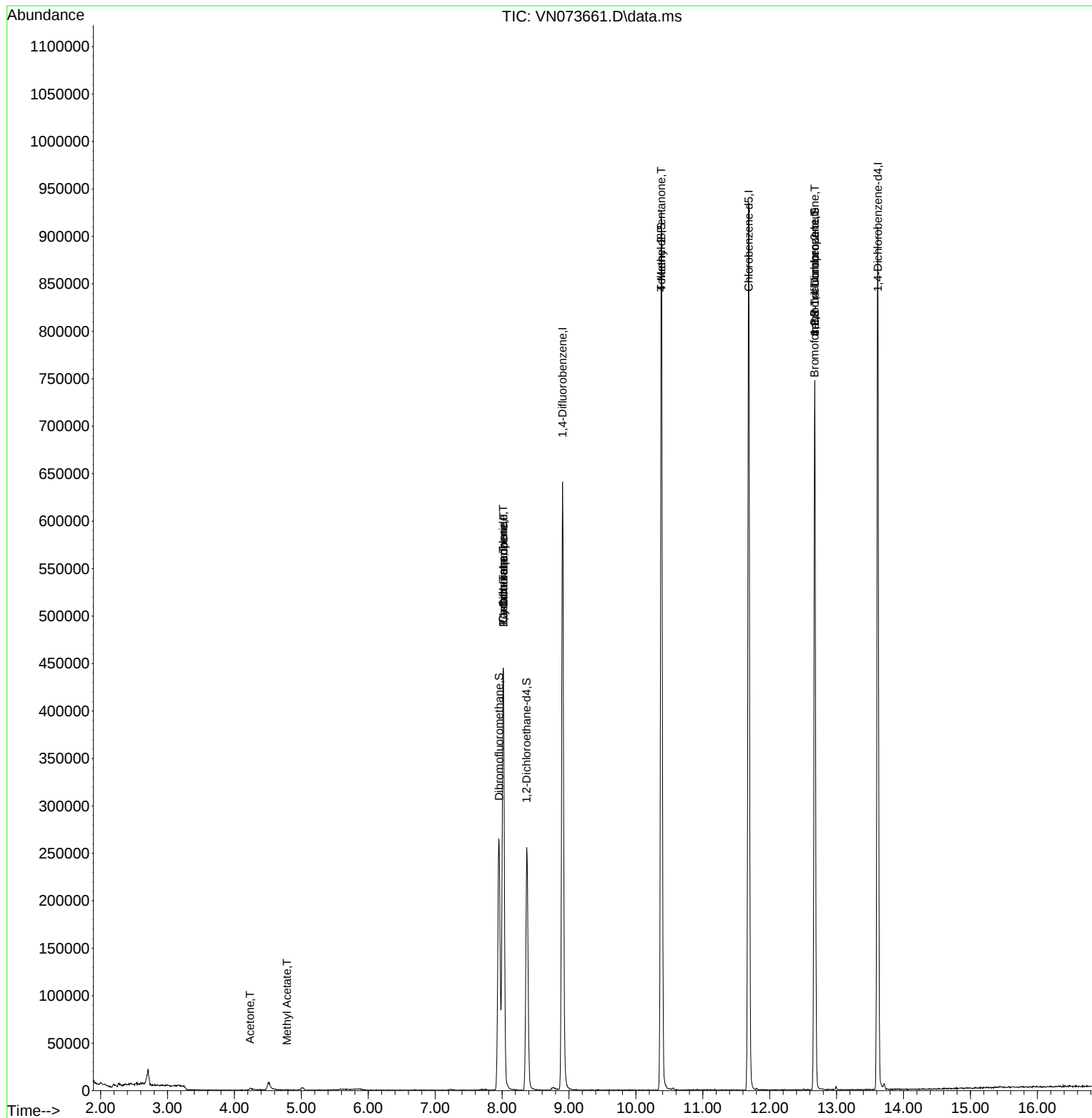
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.022          | 168  | 361500     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904          | 114  | 583476     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686         | 117  | 551519     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.616         | 152  | 257957     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369          | 65   | 215036     | 48.811    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 97.620%   |        |          |
| 35) Dibromofluoromethane      | 7.957          | 113  | 201209     | 54.917    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 109.840%  |        |          |
| 50) Toluene-d8                | 10.380         | 98   | 657529     | 45.606    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 91.220%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.674         | 95   | 242464     | 50.281    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 100.560%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.263          | 50   | 1480       | Below Cal | #      | 83       |
| 6) Chloroethane               | 2.951          | 64   | 177        | Below Cal | #      | 42       |
| 16) Acetone                   | 4.234          | 43   | 3862       | 1.632     | ug/l # | 87       |
| 18) Methyl Acetate            | 4.787          | 43   | 1293       | 0.220     | ug/l # | 57       |
| 20) Methylene Chloride        | 5.010          | 84   | 2267       | Below Cal | #      | 83       |
| 31) Cyclohexane               | 8.016          | 56   | 7205       | 1.099     | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 8.022          | 75   | 27384      | 5.244     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.016          | 117  | 34637      | 6.531     | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.380         | 43   | 2499       | 0.375     | ug/l # | 1        |
| 71) Bromoform                 | 12.669         | 173  | 1177       | 0.339     | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.674         | 75   | 124102     | 24.626    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.674         | 75   | 124102     | 62.347    | ug/l # | 11       |
| -----                         |                |      |            |           |        |          |

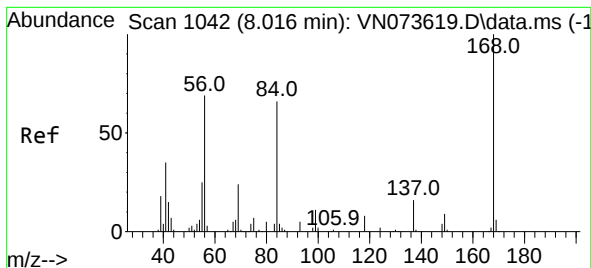
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080122\  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

Quant Time: Aug 02 05:02:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 29 02:20:25 2022  
Response via : Initial Calibration

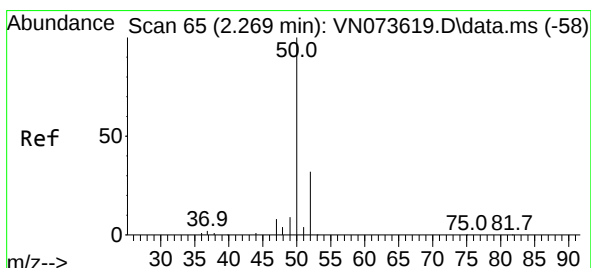
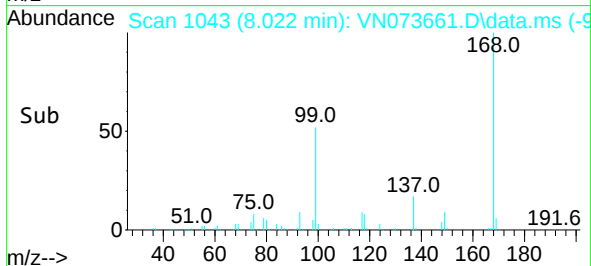
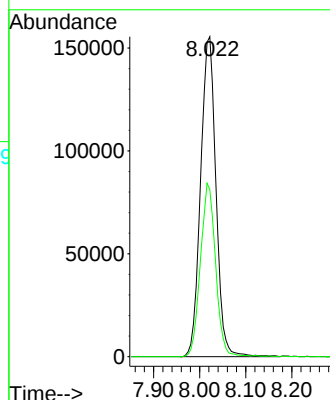
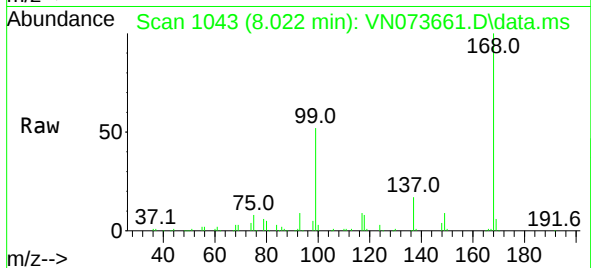




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.022 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

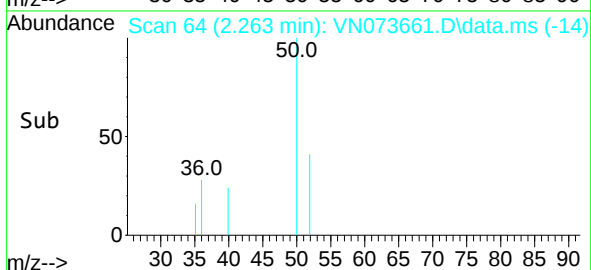
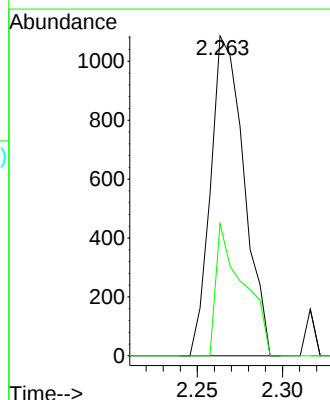
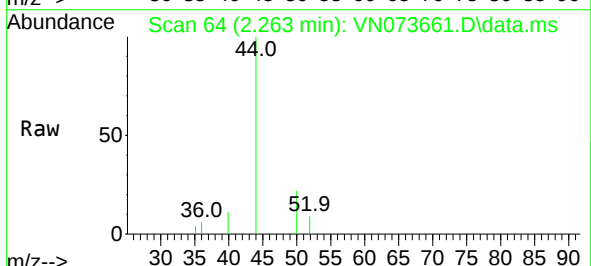
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

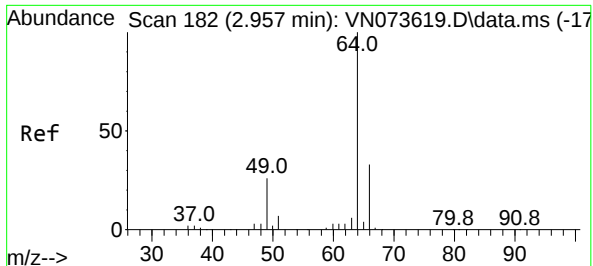
Tgt Ion:168 Resp: 361500  
Ion Ratio Lower Upper  
168 100  
99 52.3 42.3 63.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.263 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 50 Resp: 1480  
Ion Ratio Lower Upper  
50 100  
52 41.3 25.7 38.5#

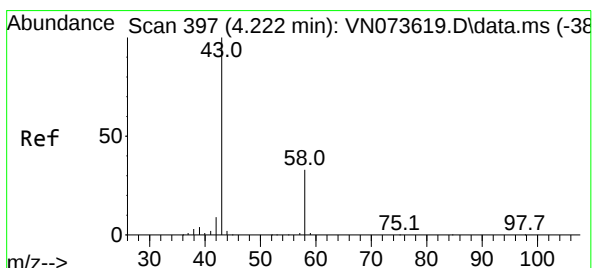
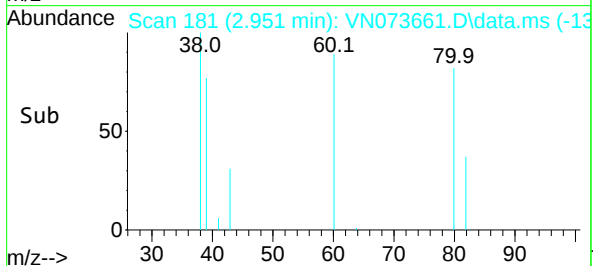
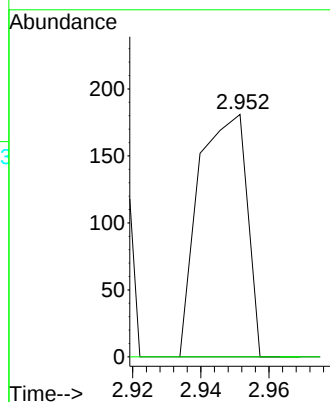
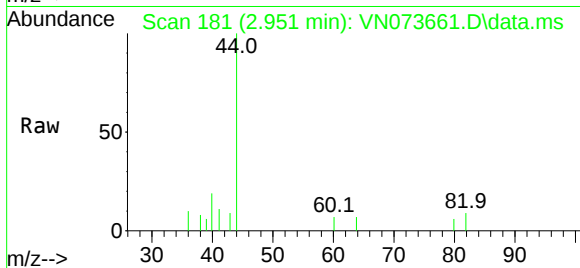




#6  
Chloroethane  
Concen: Below Cal  
RT: 2.951 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

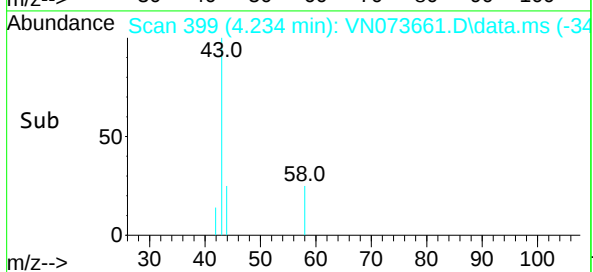
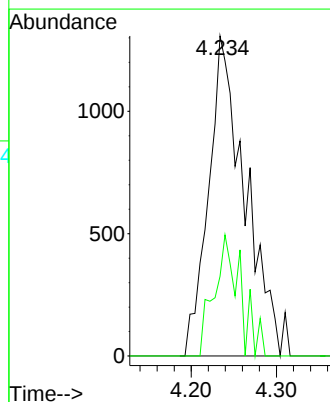
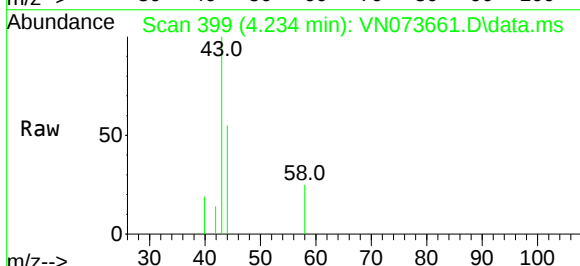
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

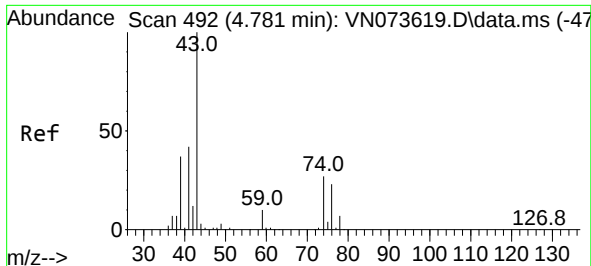
Tgt Ion: 64 Resp: 177  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#16  
Acetone  
Concen: 1.632 ug/l  
RT: 4.234 min Scan# 399  
Delta R.T. 0.012 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 43 Resp: 3862  
Ion Ratio Lower Upper  
43 100  
58 24.9 26.0 39.0#

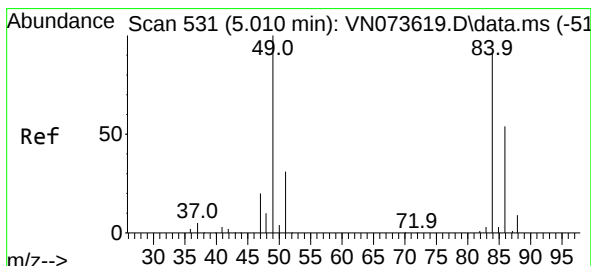
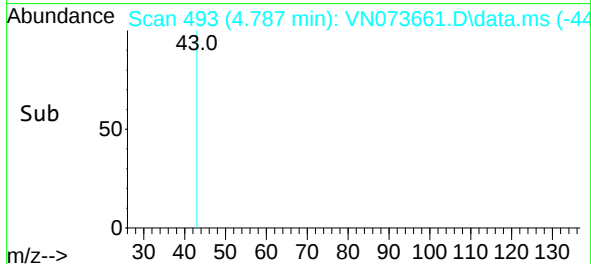
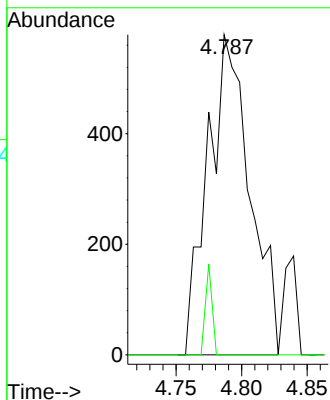
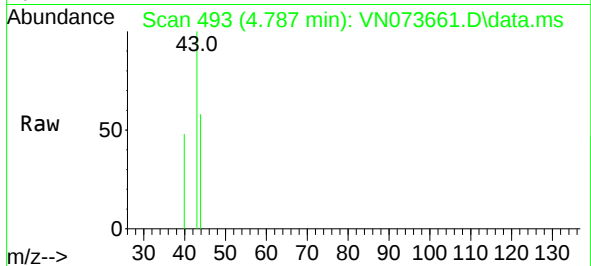




#18  
Methyl Acetate  
Concen: 0.220 ug/l  
RT: 4.787 min Scan# 492  
Delta R.T. 0.006 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

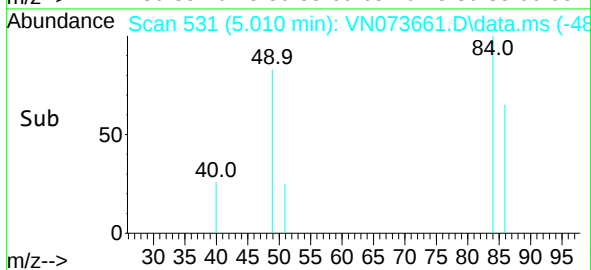
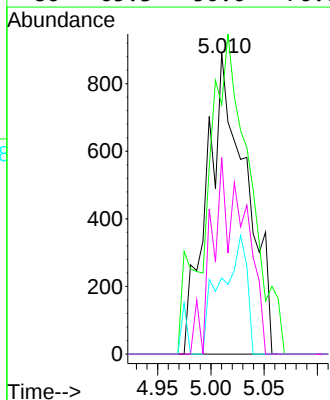
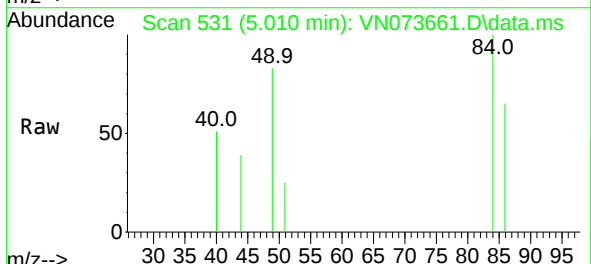
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

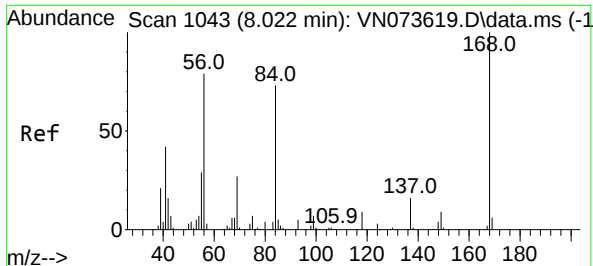
Tgt Ion: 43 Resp: 1293  
Ion Ratio Lower Upper  
43 100  
74 4.5 21.6 32.4#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.010 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 84 Resp: 2267  
Ion Ratio Lower Upper  
84 100  
49 82.9 88.3 132.5#  
51 25.3 28.2 42.2#  
86 65.3 50.6 76.0

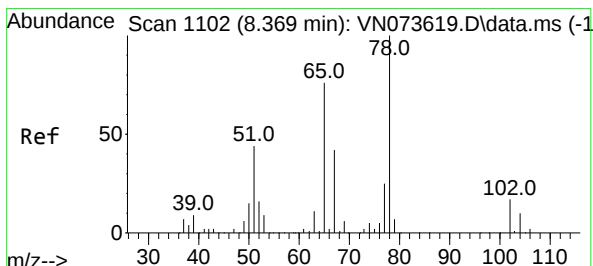
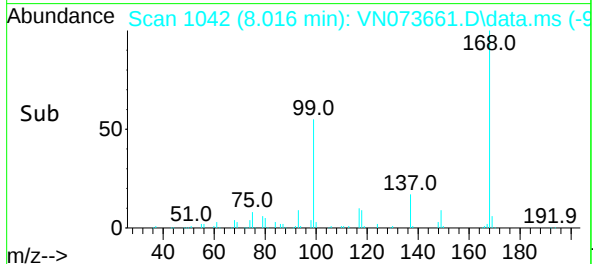
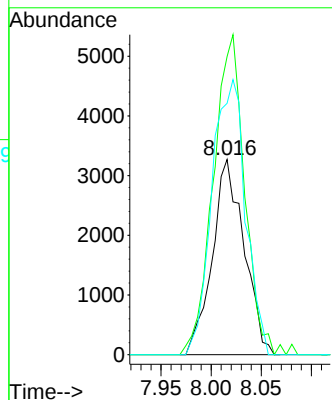
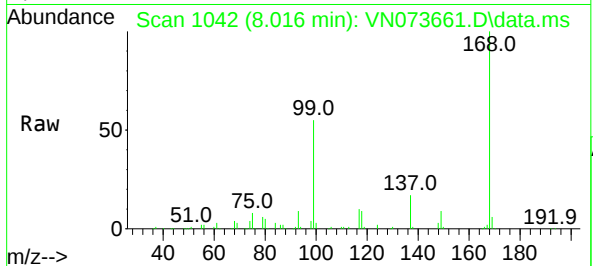




#31  
Cyclohexane  
Concen: 1.099 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

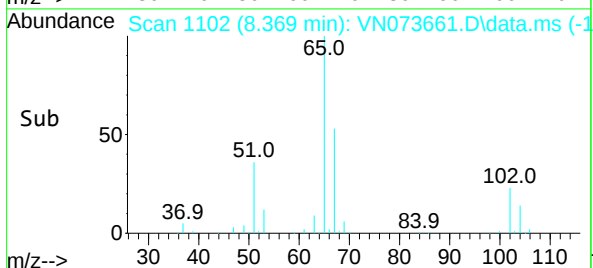
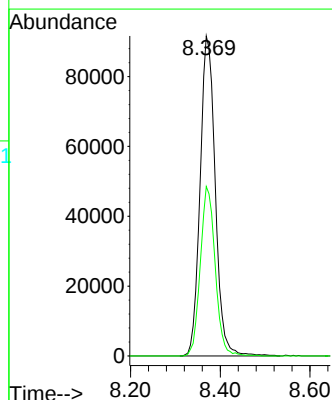
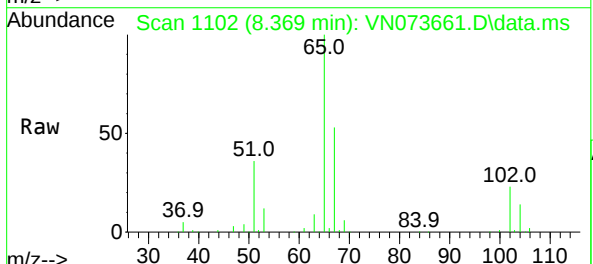
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

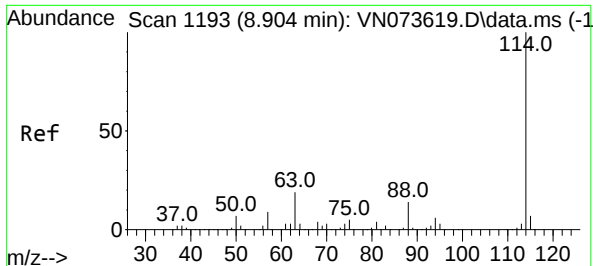
Tgt Ion: 56 Resp: 7205  
Ion Ratio Lower Upper  
56 100  
69 152.8 27.8 41.8#  
84 128.8 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 48.811 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 65 Resp: 215036  
Ion Ratio Lower Upper  
65 100  
67 52.0 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: VN073661.D

Acq: 01 Aug 2022 15:43

Instrument :

MSVOA\_N

ClientSampleId :

TB

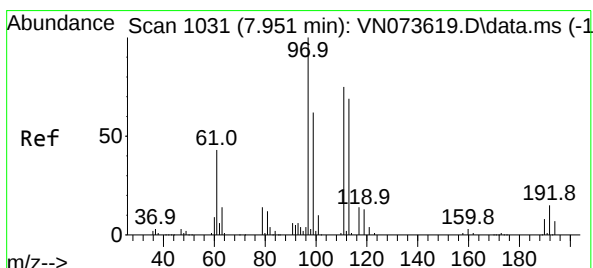
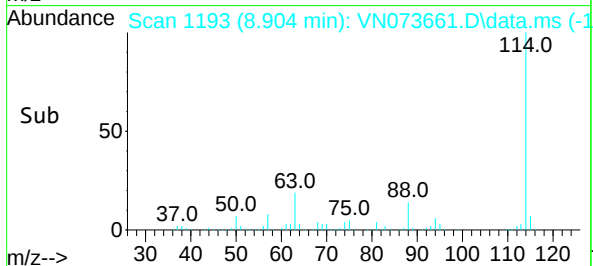
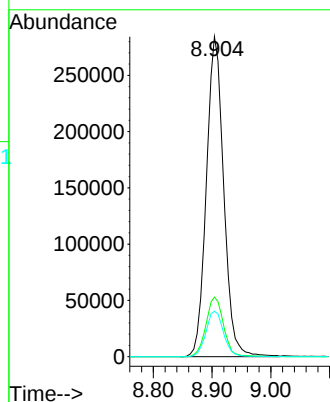
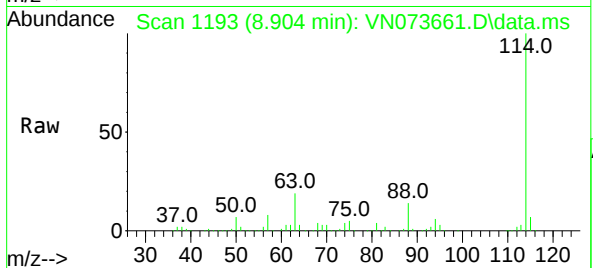
Tgt Ion:114 Resp: 583476

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 14.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.917 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073661.D

Acq: 01 Aug 2022 15:43

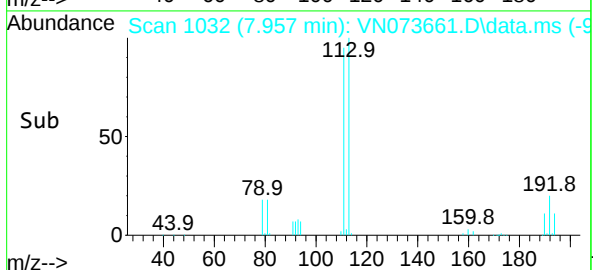
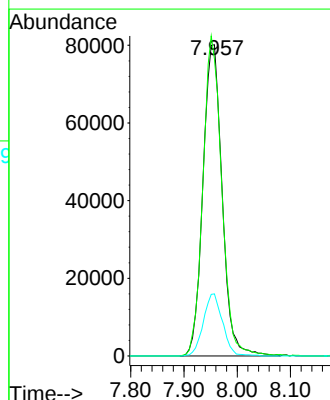
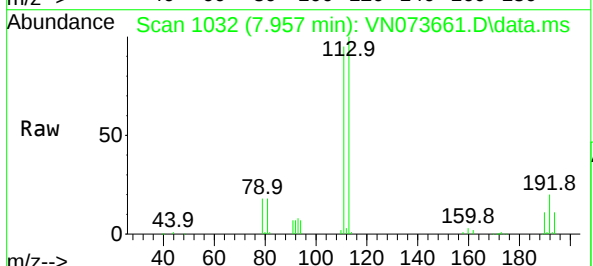
Tgt Ion:113 Resp: 201209

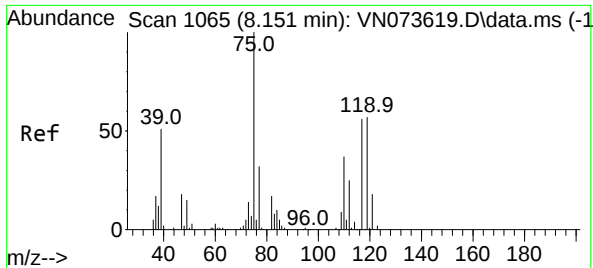
Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.0

192 19.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.244 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073661.D

Acq: 01 Aug 2022 15:43

Instrument :

MSVOA\_N

ClientSampleId :

TB

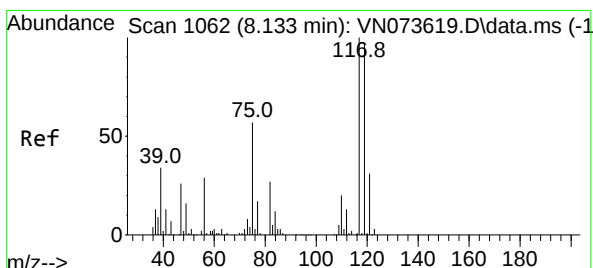
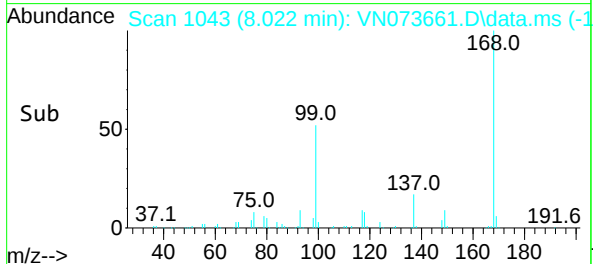
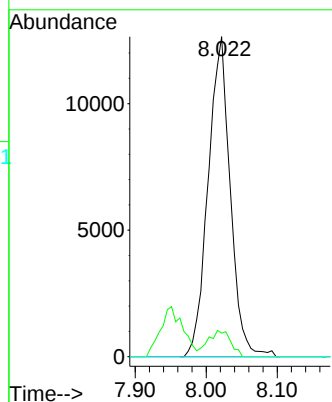
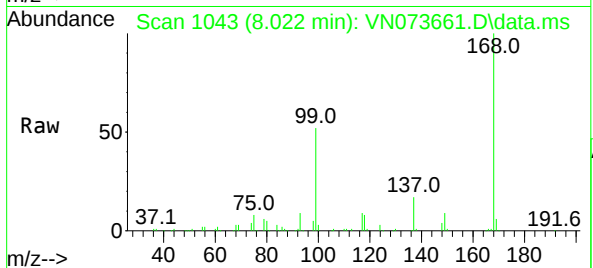
Tgt Ion: 75 Resp: 27384

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.531 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073661.D

Acq: 01 Aug 2022 15:43

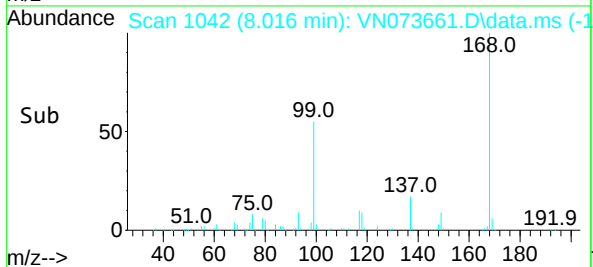
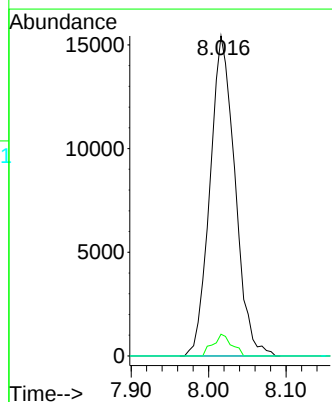
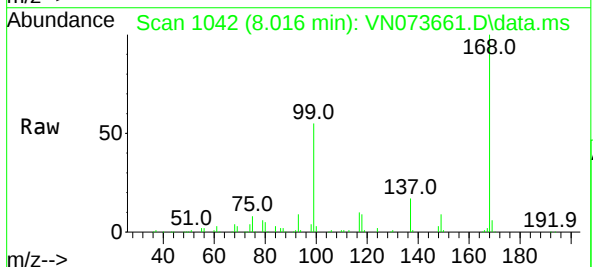
Tgt Ion: 117 Resp: 34637

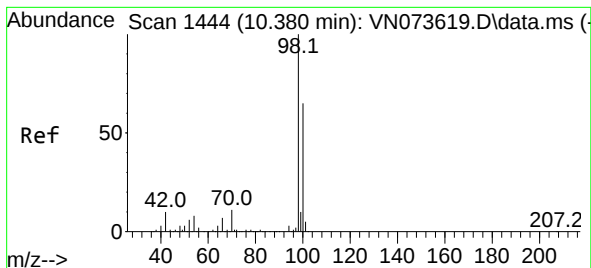
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.8#

121 0.0 24.6 37.0#

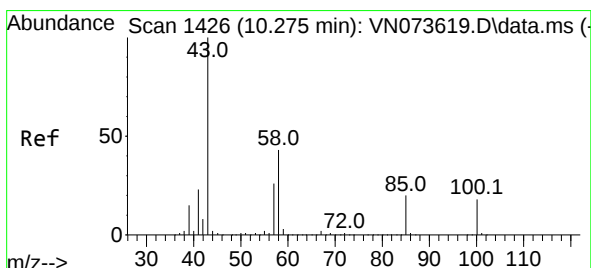
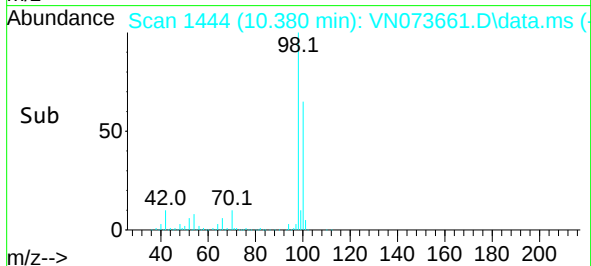
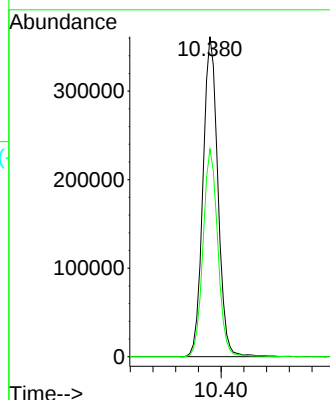
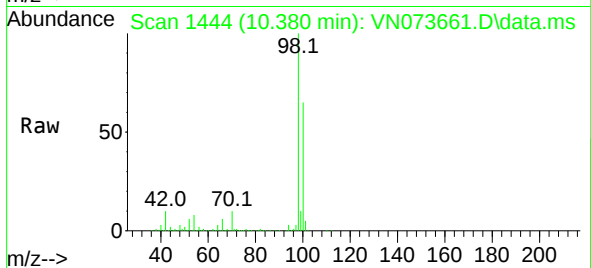




#50  
Toluene-d8  
Concen: 45.606 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

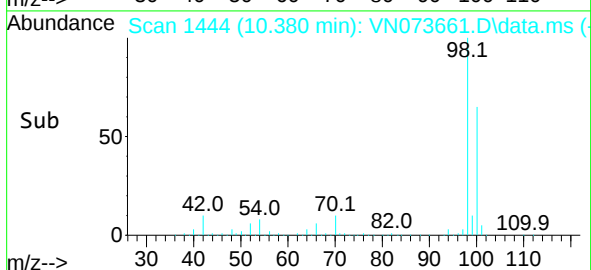
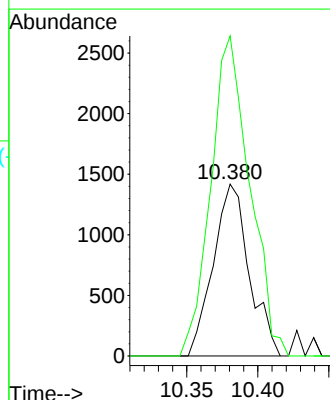
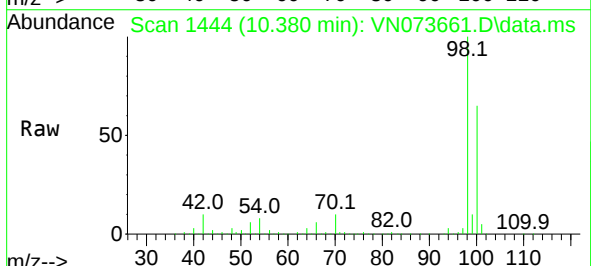
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

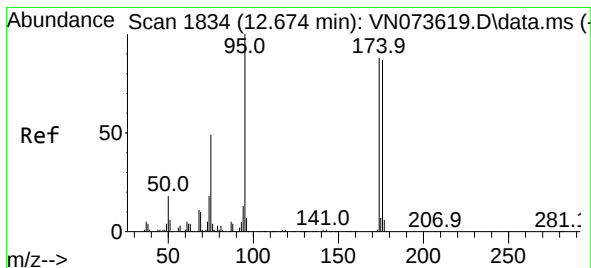
Tgt Ion: 98 Resp: 657529  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.375 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.105 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 43 Resp: 2499  
Ion Ratio Lower Upper  
43 100  
58 201.6 34.1 51.1#

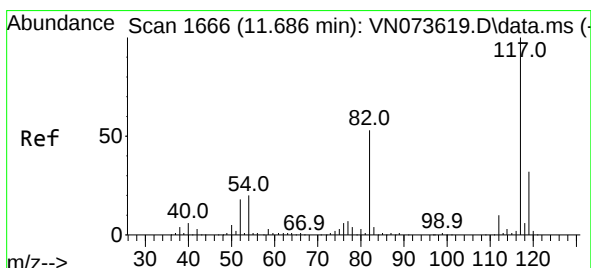
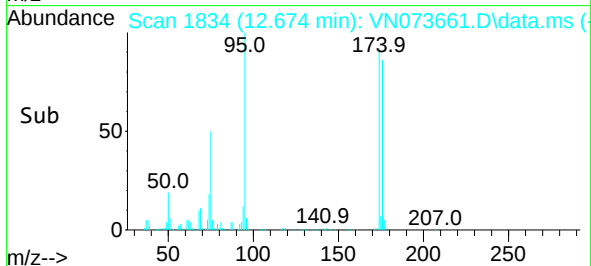
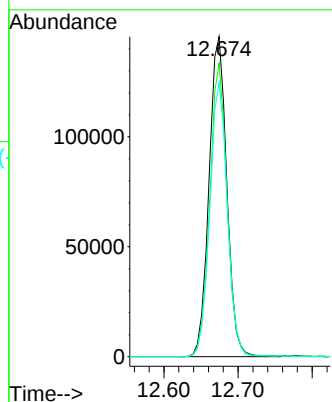
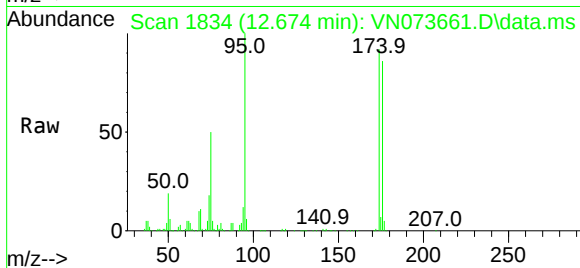




#62  
4-Bromofluorobenzene  
Concen: 50.281 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

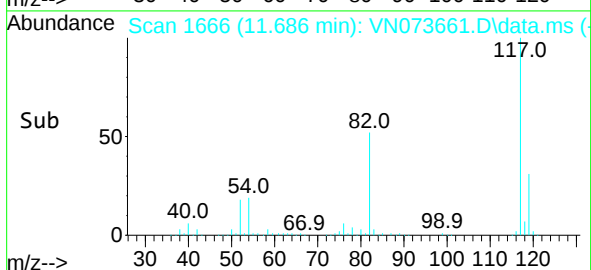
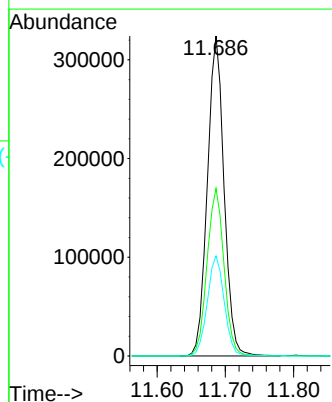
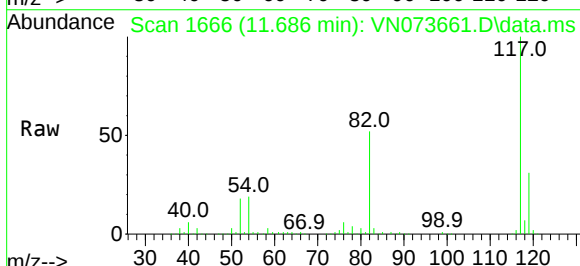
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

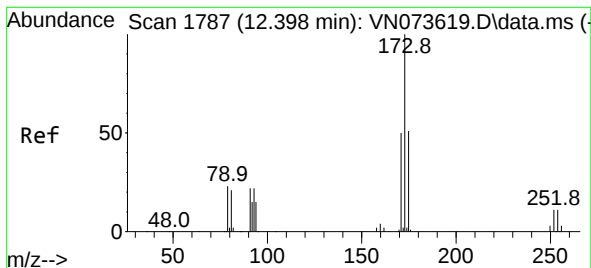
Tgt Ion: 95 Resp: 242464  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 167.6  
176 84.5 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 117 Resp: 551519  
Ion Ratio Lower Upper  
117 100  
82 52.4 44.2 66.2  
119 31.3 25.4 38.0





#71

Bromoform

Concen: 0.339 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN073661.D

Acq: 01 Aug 2022 15:43

Instrument :

MSVOA\_N

ClientSampleId :

TB

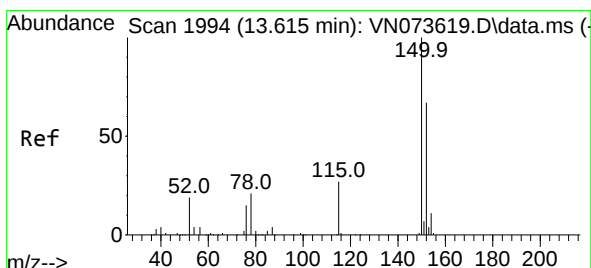
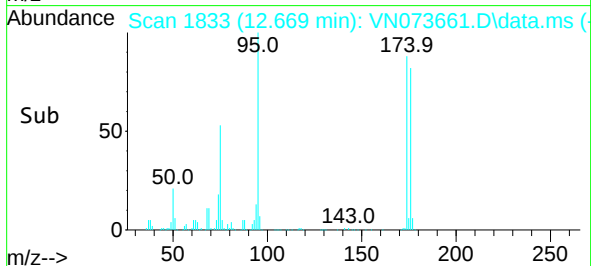
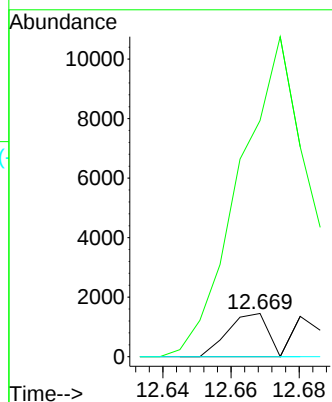
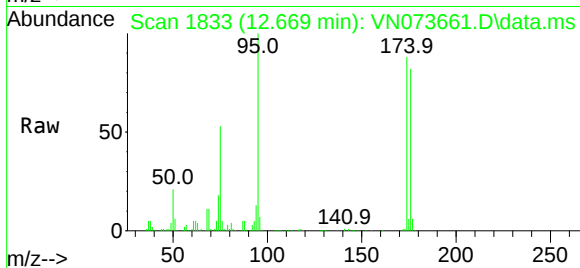
Tgt Ion:173 Resp: 1177

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN073661.D

Acq: 01 Aug 2022 15:43

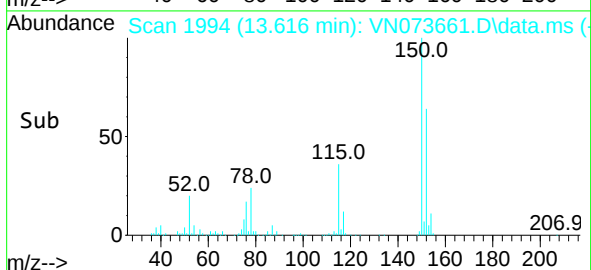
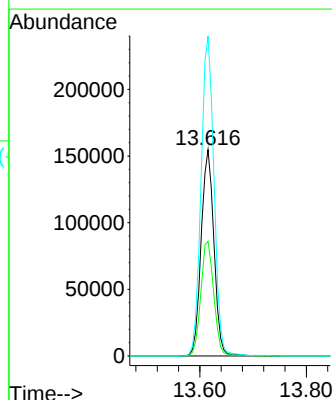
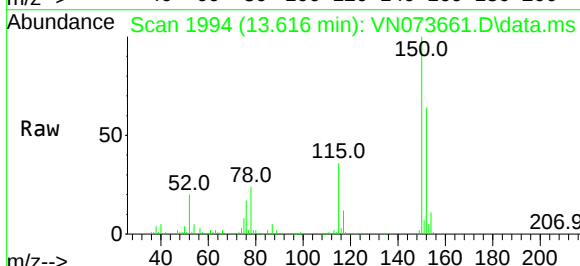
Tgt Ion:152 Resp: 257957

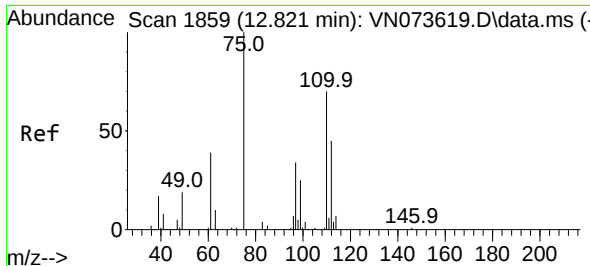
Ion Ratio Lower Upper

152 100

115 56.4 28.9 86.7

150 156.1 0.0 356.2

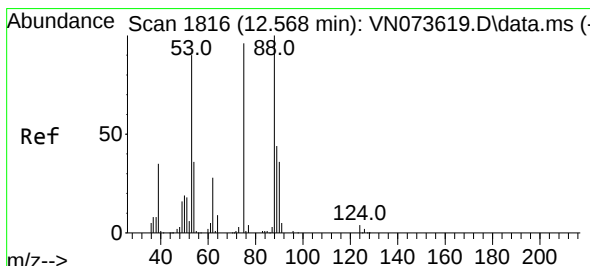
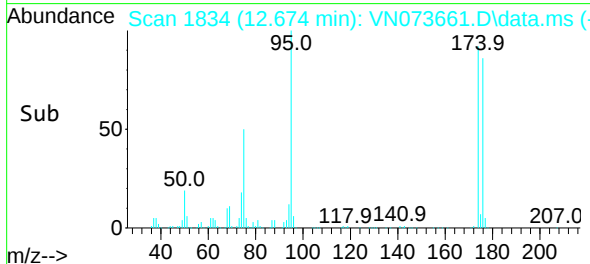
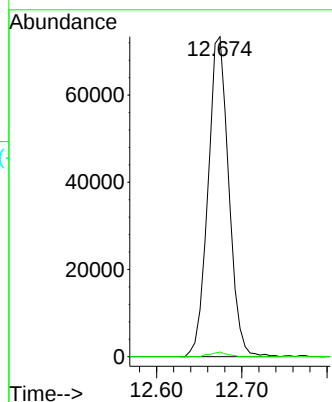
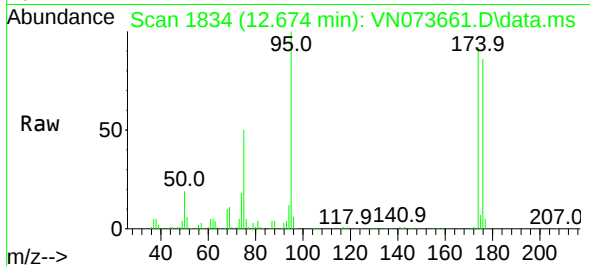




#76  
1,2,3-Trichloropropane  
Concen: 24.626 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. -0.147 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

Tgt Ion: 75 Resp: 124102  
Ion Ratio Lower Upper  
75 100  
77 1.2 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.347 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.106 min  
Lab File: VN073661.D  
Acq: 01 Aug 2022 15:43

Tgt Ion: 75 Resp: 124102  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.1 37.2 55.8#

