

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042624\  
 Data File : VN081875.D  
 Acq On : 26 Apr 2024 14:08  
 Operator : JC\MD  
 Sample : P2265-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-042424

Quant Time: Apr 26 23:00:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

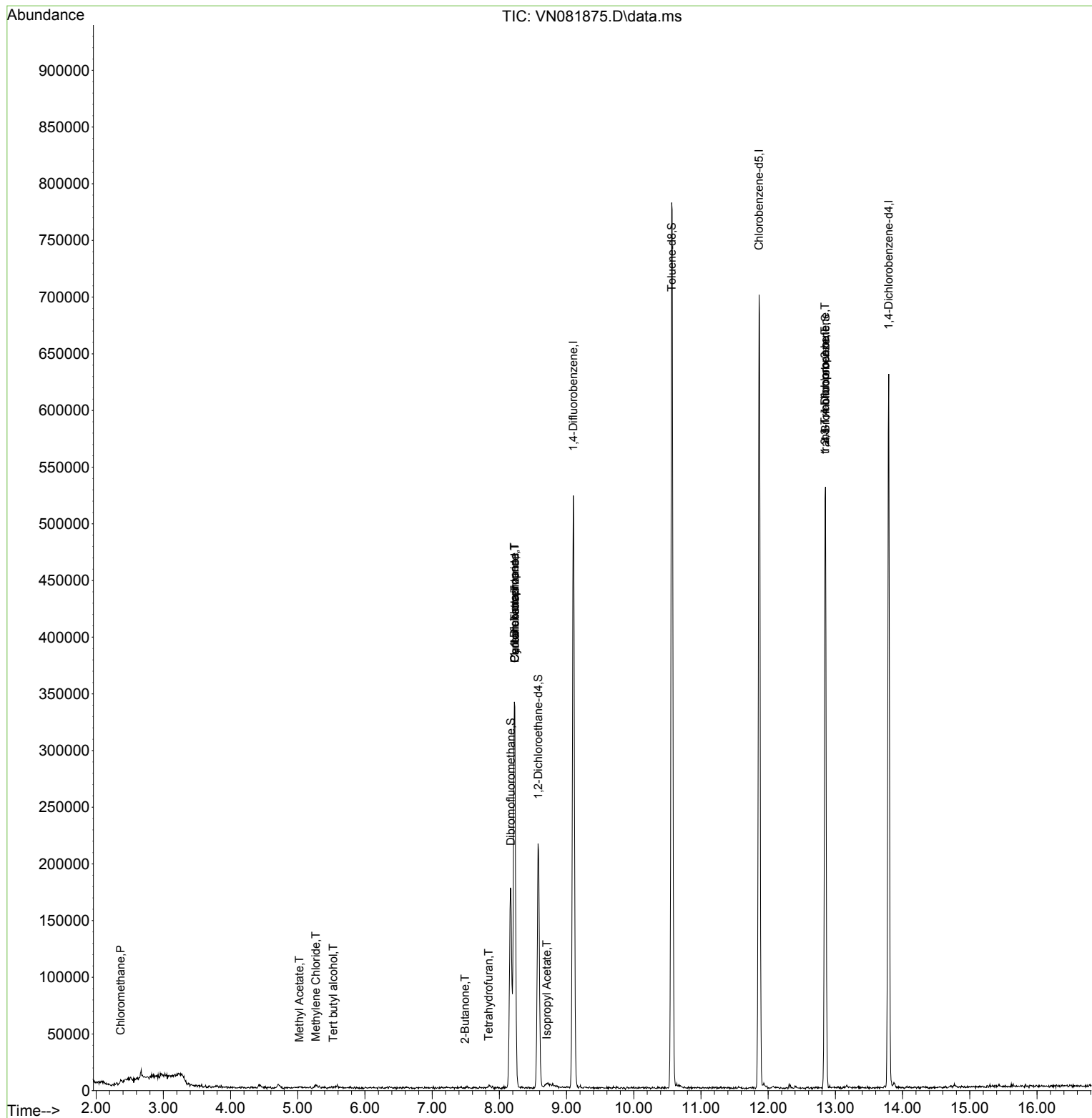
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 243323   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 438737   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 385636   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 151971   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 174301   | 42.444    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 84.880%  |
| 35) Dibromofluoromethane      | 8.171  | 113   | 128846   | 48.776    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 97.560%  |
| 50) Toluene-d8                | 10.565 | 98    | 540244   | 52.074    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 104.140% |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 193190   | 47.107    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery  | =      | 94.220%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.365  | 50    | 716      | 0.201     | ug/l # | 41       |
| 5) Bromomethane               | 2.971  | 94    | 399      | Below Cal | #      | 25       |
| 11) Tert butyl alcohol        | 5.530  | 59    | 153      | 0.205     | ug/l # | 1        |
| 13) Acrolein                  | 4.177  | 56    | 545      | Below Cal | #      | 77       |
| 16) Acetone                   | 4.436  | 43    | 6034     | Below Cal | #      | 85       |
| 18) Methyl Acetate            | 5.024  | 43    | 1496     | 0.360     | ug/l # | 47       |
| 20) Methylene Chloride        | 5.271  | 84    | 1657     | 0.471     | ug/l # | 74       |
| 25) 2-Butanone                | 7.488  | 43    | 973      | 0.417     | ug/l # | 43       |
| 29) Tetrahydrofuran           | 7.841  | 42    | 2325     | 1.391     | ug/l # | 82       |
| 31) Cyclohexane               | 8.230  | 56    | 7132     | 1.153     | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 20899    | 4.863     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 26485    | 6.306     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.706  | 43    | 3704     | 0.424     | ug/l # | 52       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 104077   | 26.414    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 104077   | 54.125    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

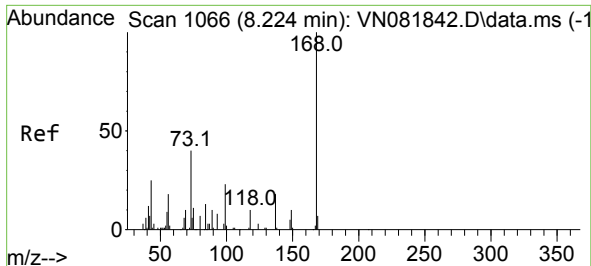
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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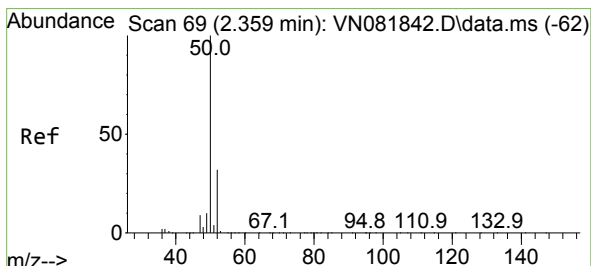
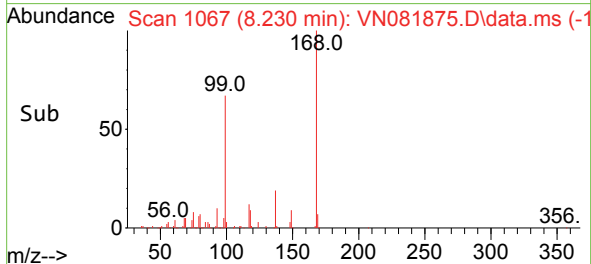
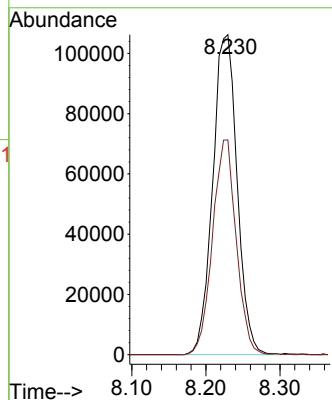
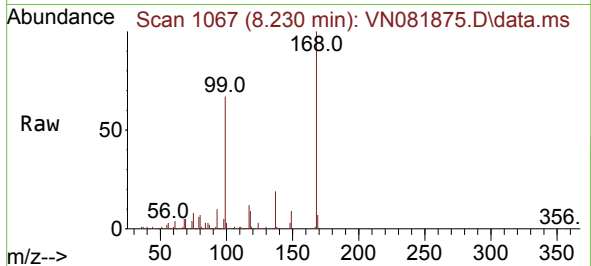




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

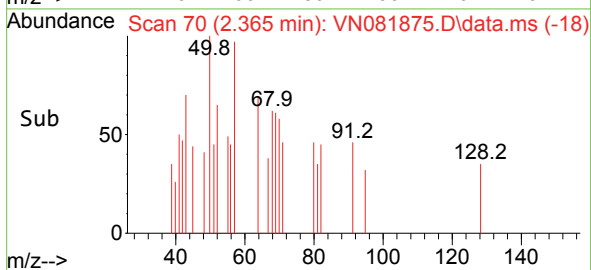
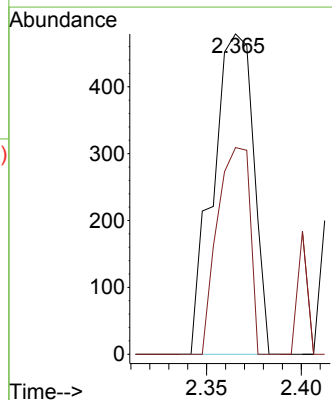
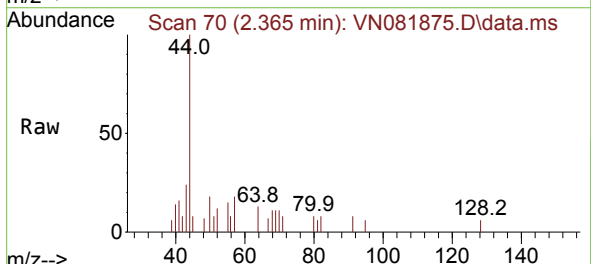
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-042424

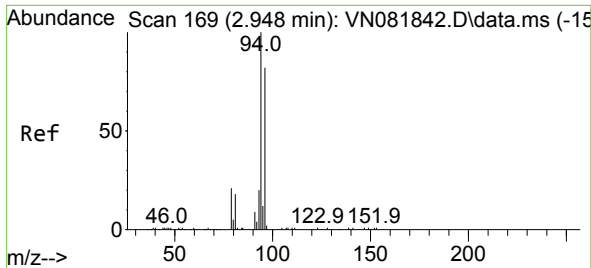
Tgt Ion:168 Resp: 243323  
Ion Ratio Lower Upper  
168 100  
99 67.1 48.2 72.4



#3  
Chloromethane  
Concen: 0.201 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

Tgt Ion: 50 Resp: 716  
Ion Ratio Lower Upper  
50 100  
52 64.5 25.5 38.3#

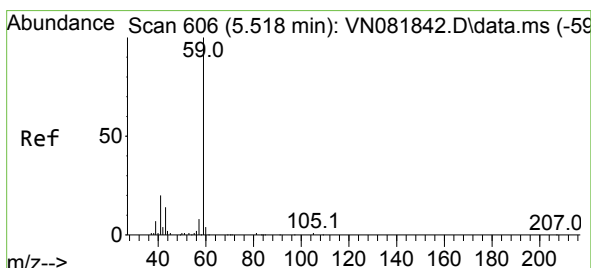
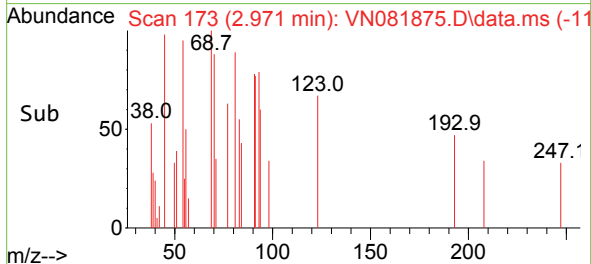
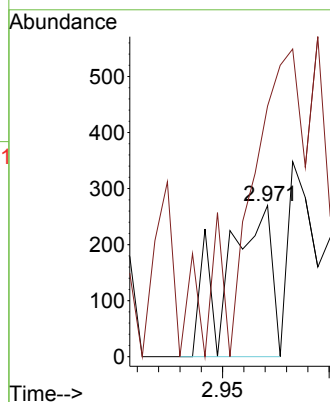
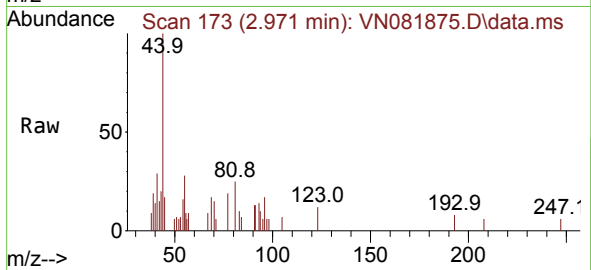




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.971 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

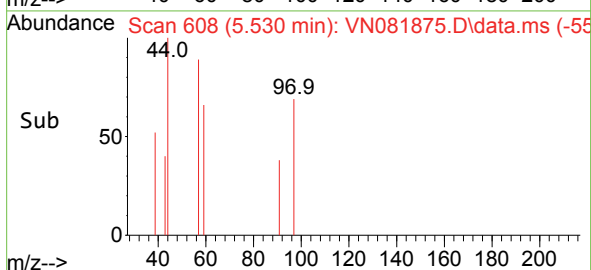
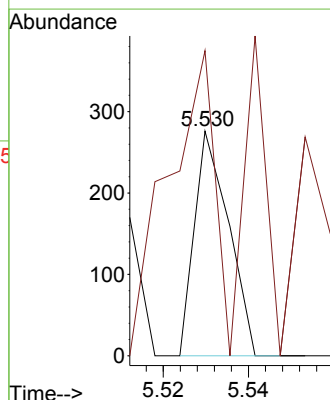
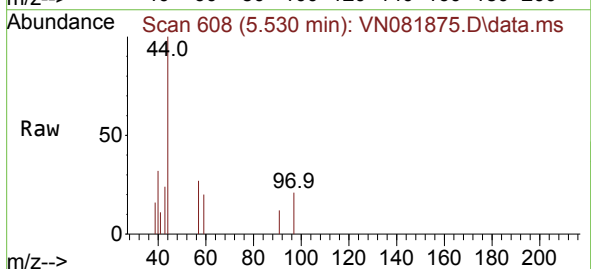
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-042424

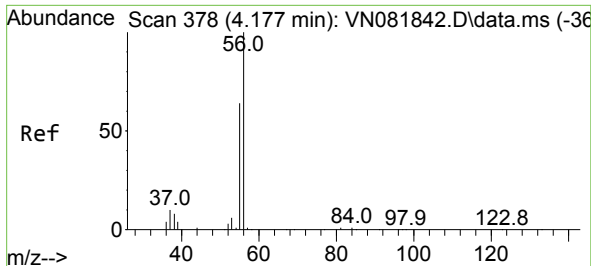
Tgt Ion: 94 Resp: 399  
Ion Ratio Lower Upper  
94 100  
96 165.6 74.8 112.2#



#11  
Tert butyl alcohol  
Concen: 0.205 ug/l  
RT: 5.530 min Scan# 608  
Delta R.T. 0.012 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

Tgt Ion: 59 Resp: 153  
Ion Ratio Lower Upper  
59 100  
57 188.2 8.9 13.3#





#13

Acrolein

Concen: Below Cal

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

Instrument :

MSVOA\_N

ClientSampleId :

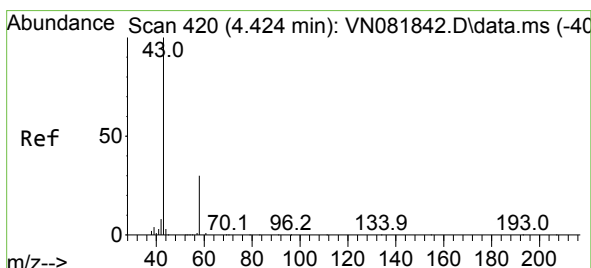
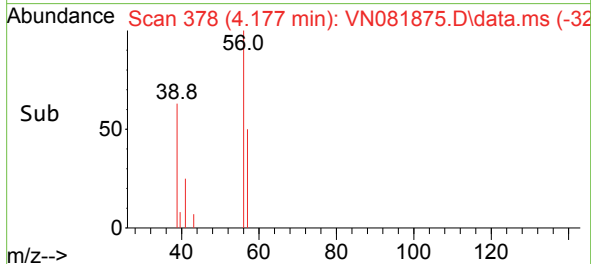
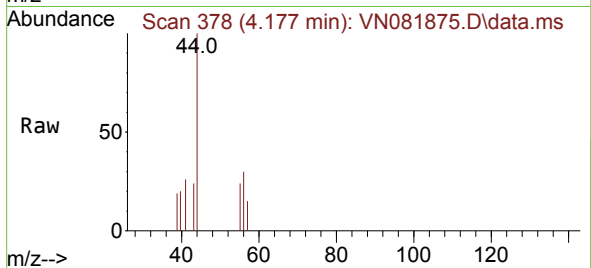
TB-01-042424

Tgt Ion: 56 Resp: 545

Ion Ratio Lower Upper

56 100

55 50.6 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081875.D

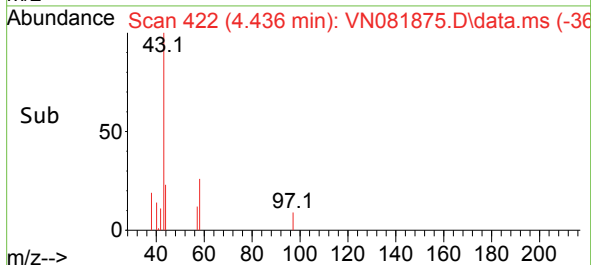
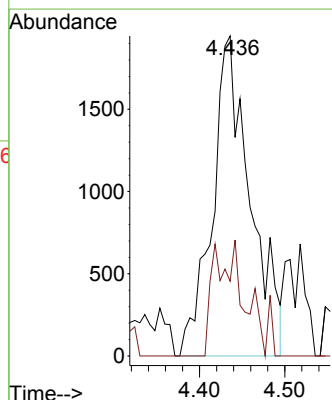
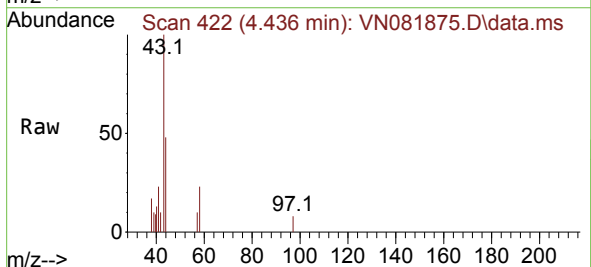
Acq: 26 Apr 2024 14:08

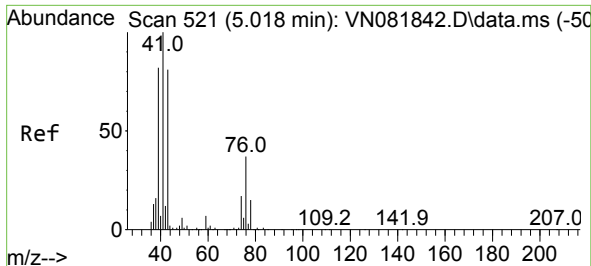
Tgt Ion: 43 Resp: 6034

Ion Ratio Lower Upper

43 100

58 23.4 25.2 37.8#





#18

Methyl Acetate

Concen: 0.360 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

Instrument :

MSVOA\_N

ClientSampleId :

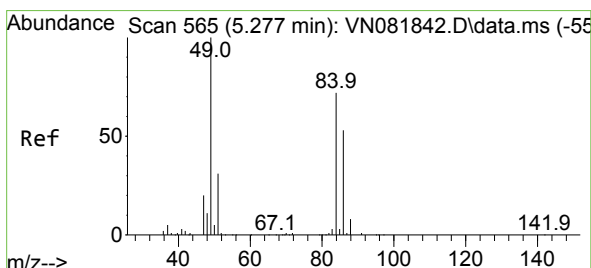
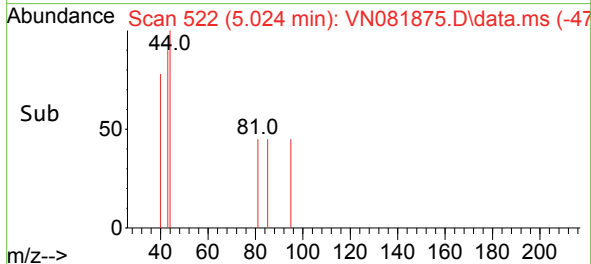
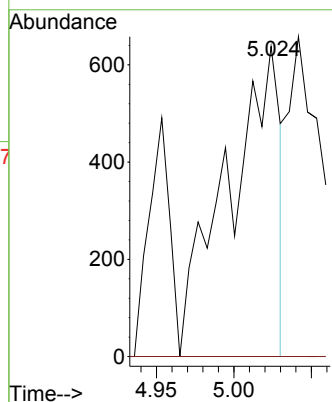
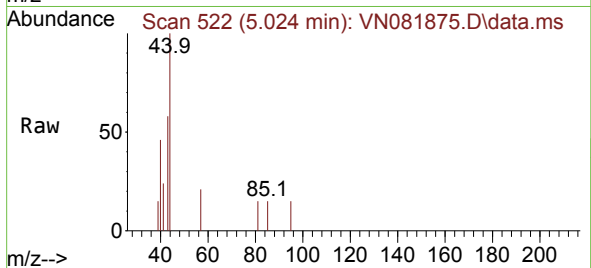
TB-01-042424

Tgt Ion: 43 Resp: 1496

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.2#



#20

Methylene Chloride

Concen: 0.471 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

Tgt Ion: 84 Resp: 1657

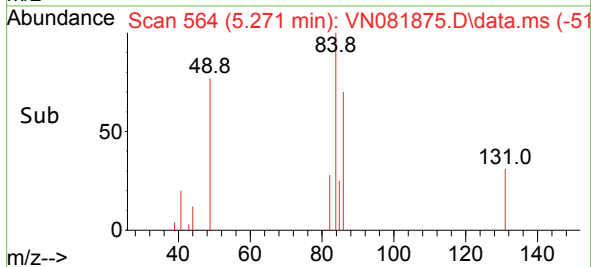
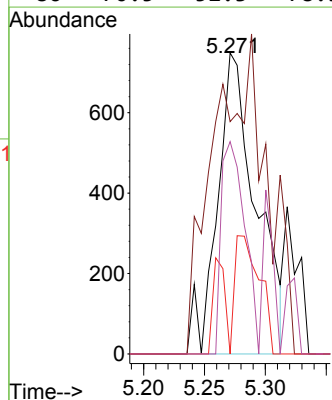
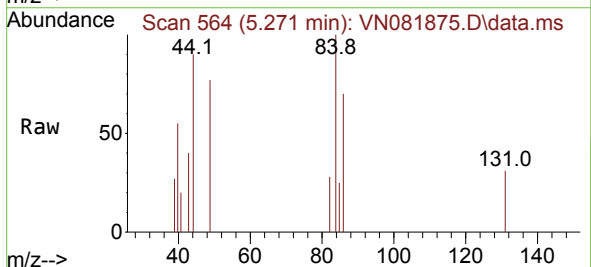
Ion Ratio Lower Upper

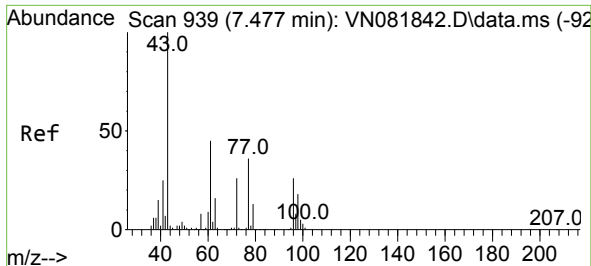
84 100

49 77.2 84.9 127.3#

51 0.0 27.0 40.6#

86 70.5 52.3 78.5

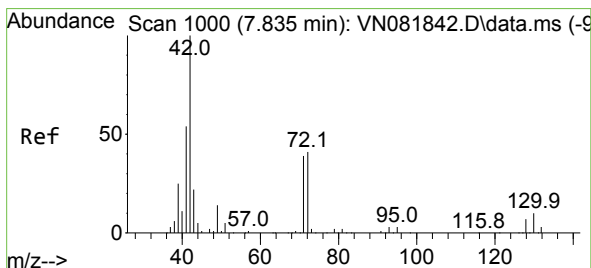
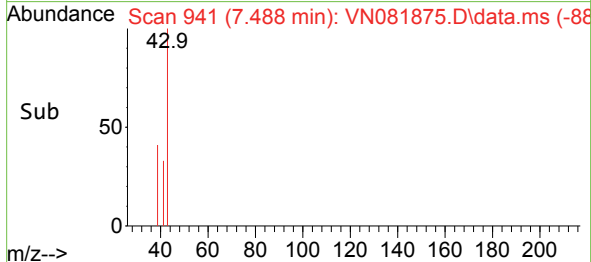
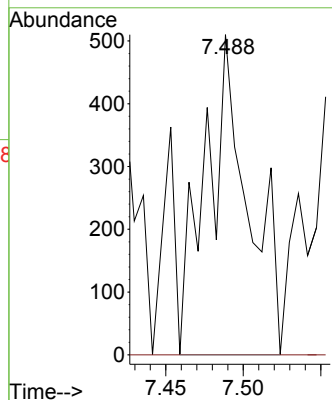
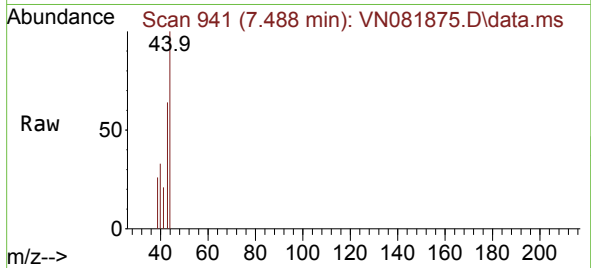




#25  
2-Butanone  
Concen: 0.417 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

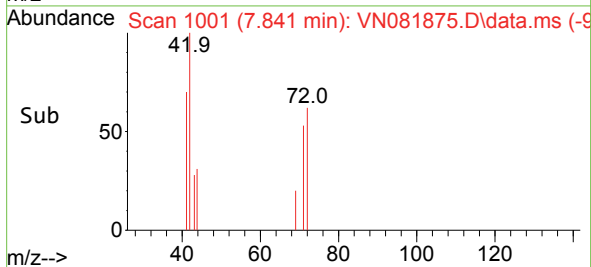
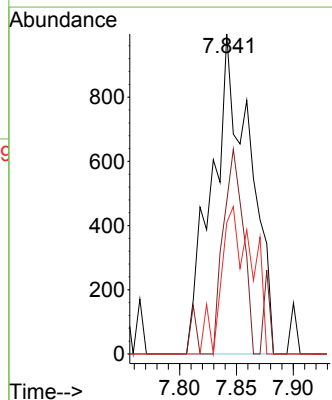
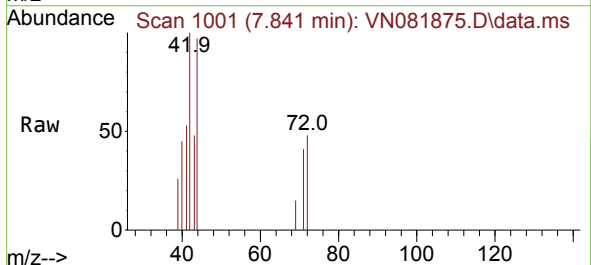
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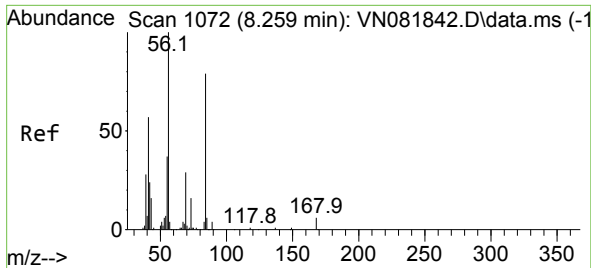
Tgt Ion: 43 Resp: 973  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.3 37.9#



#29  
Tetrahydrofuran  
Concen: 1.391 ug/l  
RT: 7.841 min Scan# 1001  
Delta R.T. 0.006 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

Tgt Ion: 42 Resp: 2325  
Ion Ratio Lower Upper  
42 100  
72 33.5 39.3 58.9#  
71 37.5 37.4 56.0

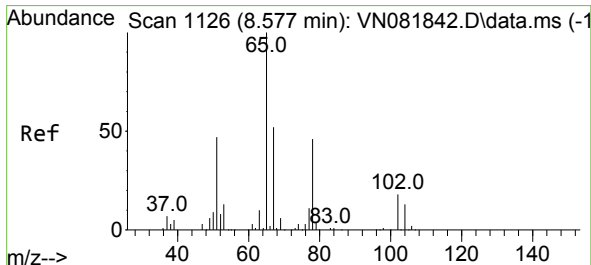
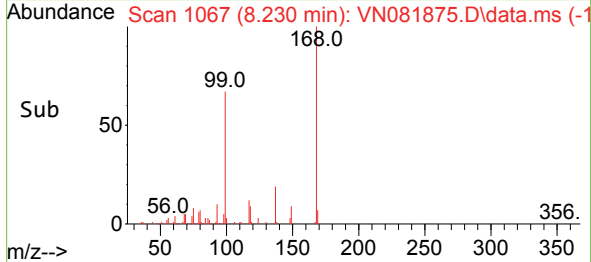
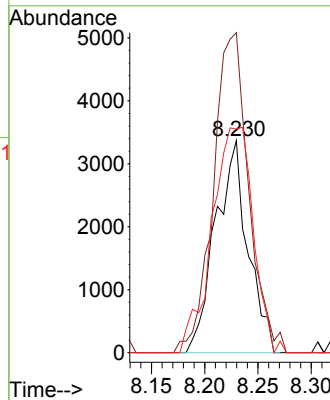
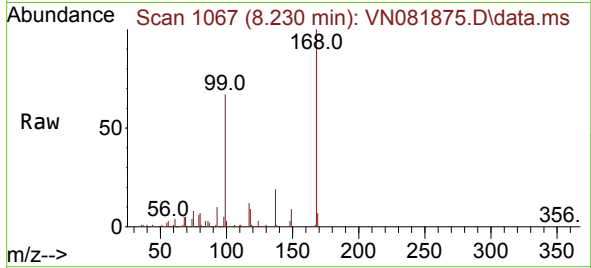




#31  
Cyclohexane  
Concen: 1.153 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

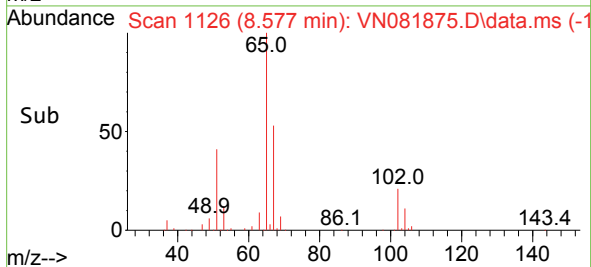
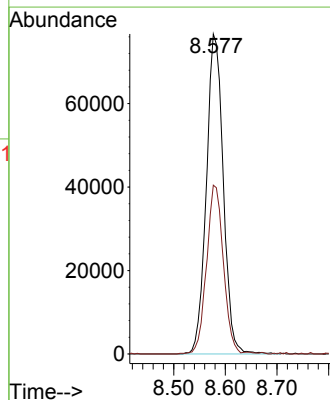
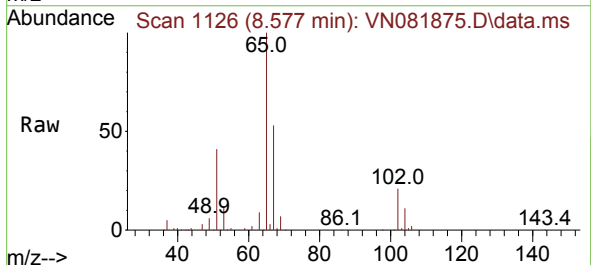
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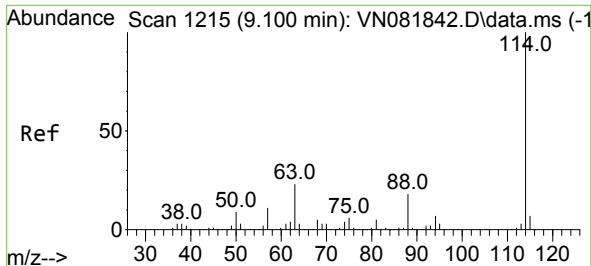
Tgt Ion: 56 Resp: 7132  
Ion Ratio Lower Upper  
56 100  
69 145.6 24.4 36.6#  
84 105.5 77.0 115.4



#33  
1,2-Dichloroethane-d4  
Concen: 42.444 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

Tgt Ion: 65 Resp: 174301  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-042424

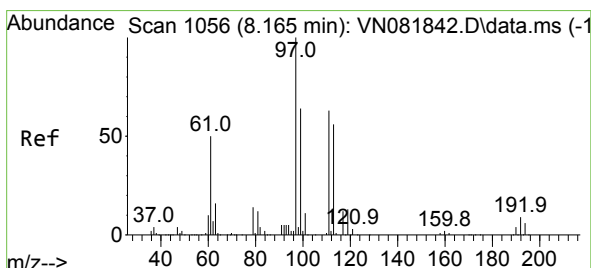
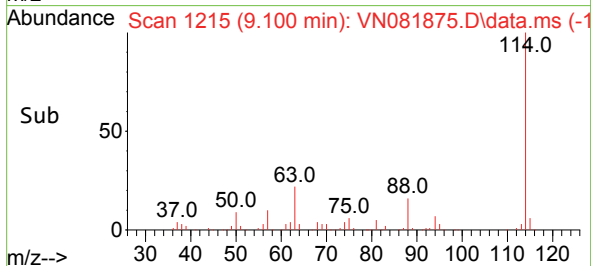
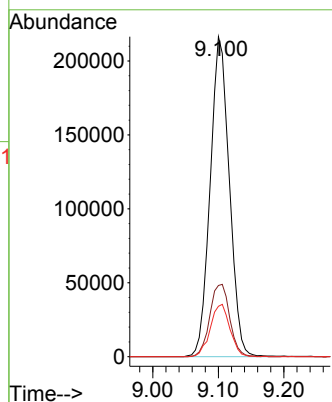
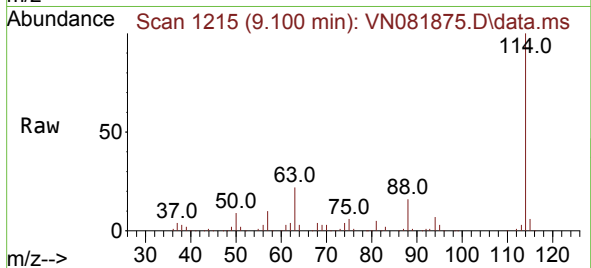
Tgt Ion:114 Resp: 438737

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.776 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

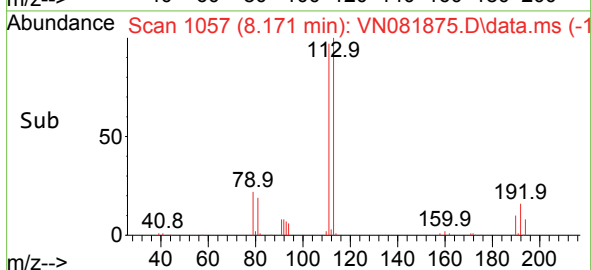
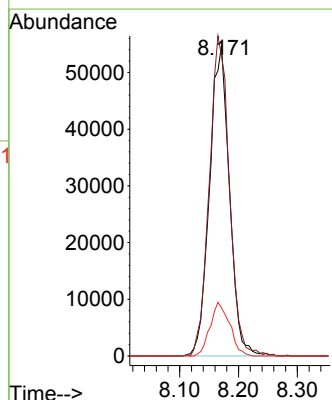
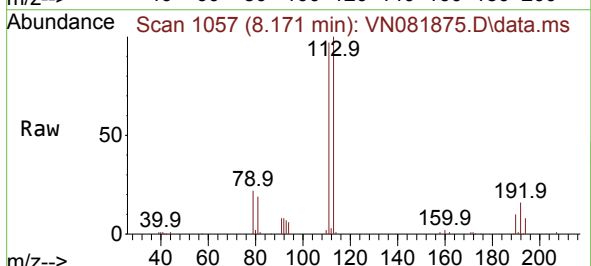
Tgt Ion:113 Resp: 128846

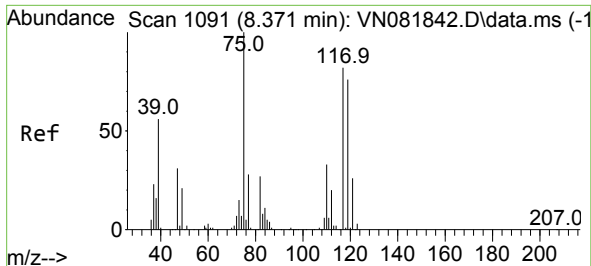
Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

192 16.9 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.863 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-042424

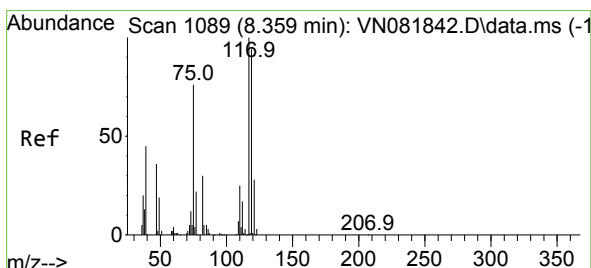
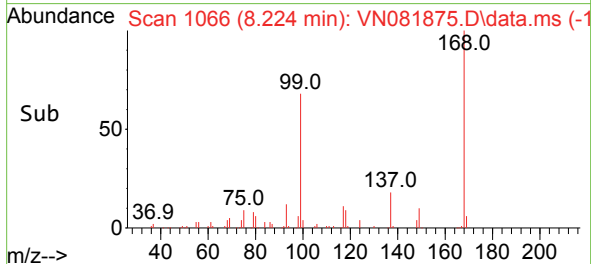
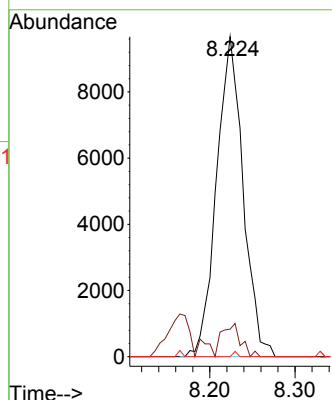
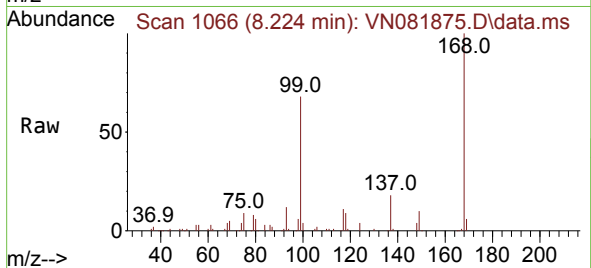
Tgt Ion: 75 Resp: 20899

Ion Ratio Lower Upper

75 100

110 7.4 17.8 53.5#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.306 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

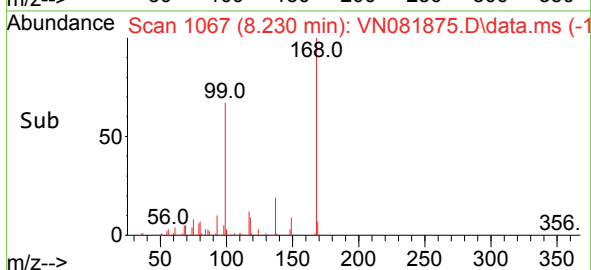
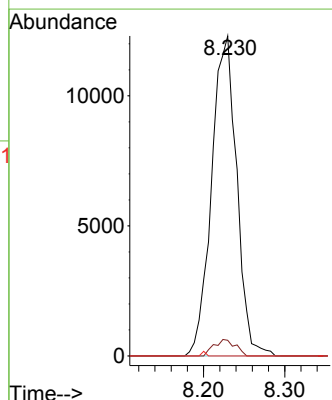
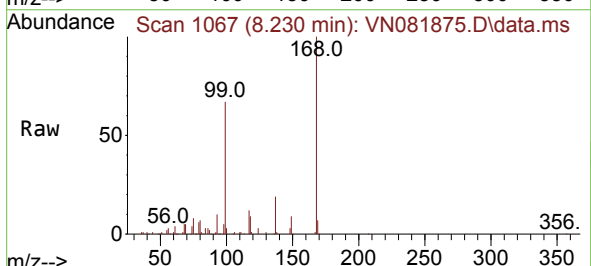
Tgt Ion: 117 Resp: 26485

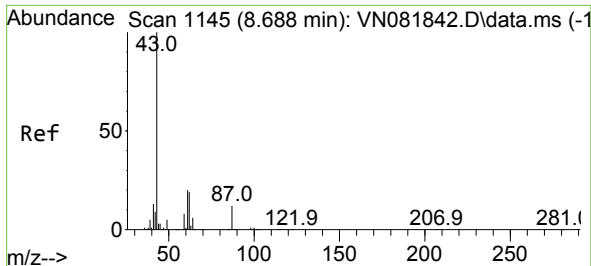
Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

121 0.0 23.9 35.9#

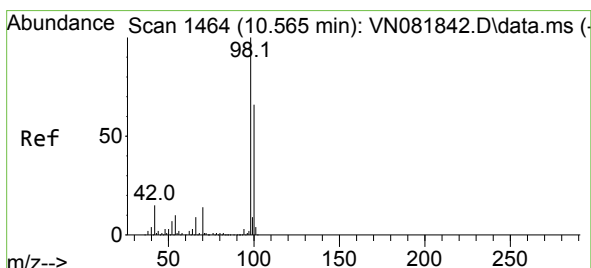
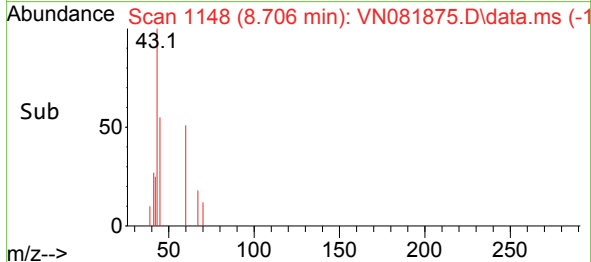
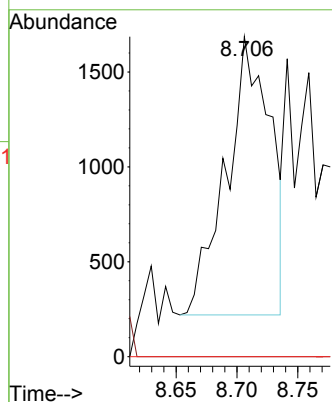
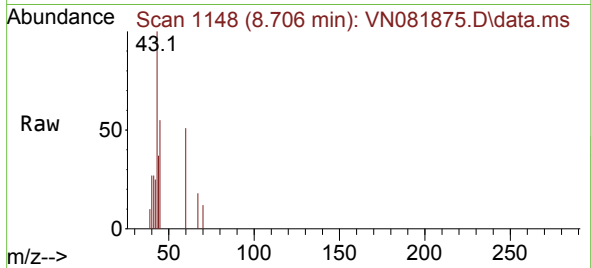




#43  
Isopropyl Acetate  
Concen: 0.424 ug/l  
RT: 8.706 min Scan# 1148  
Delta R.T. 0.018 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

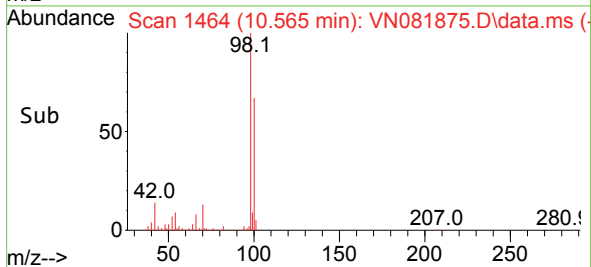
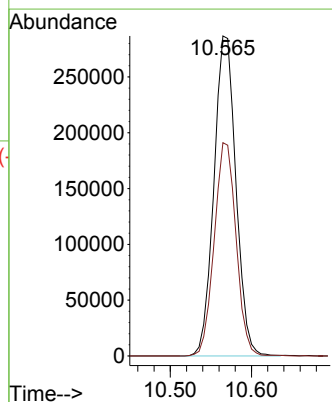
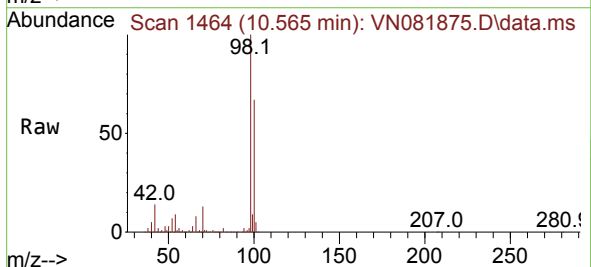
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-042424

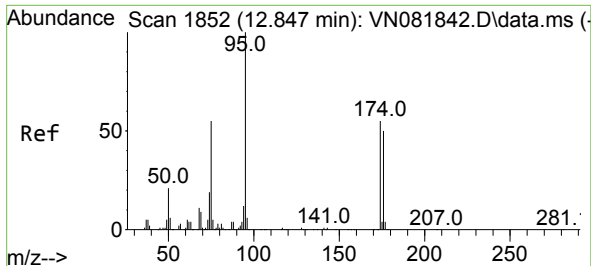
Tgt Ion: 43 Resp: 3704  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 52.074 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

Tgt Ion: 98 Resp: 540244  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.8 77.6

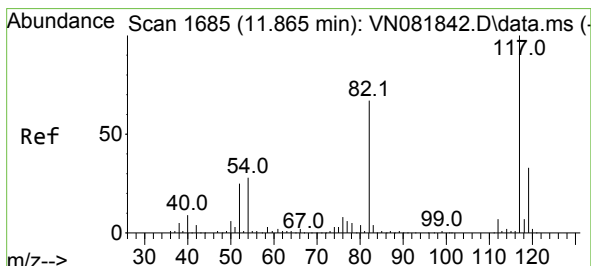
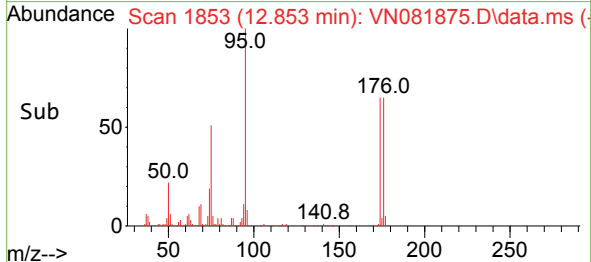
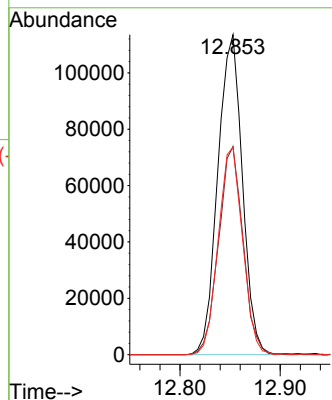
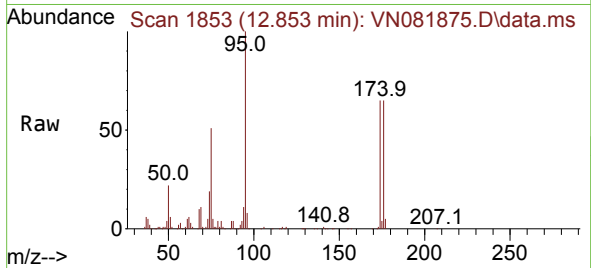




#62  
4-Bromofluorobenzene  
Concen: 47.107 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

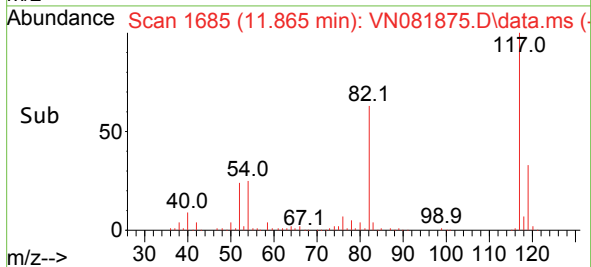
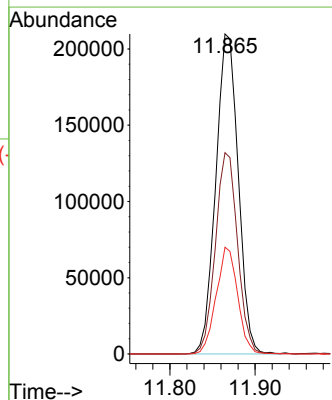
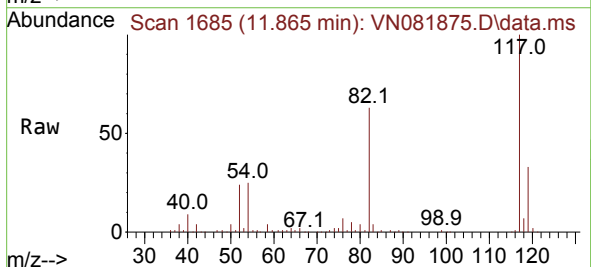
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-042424

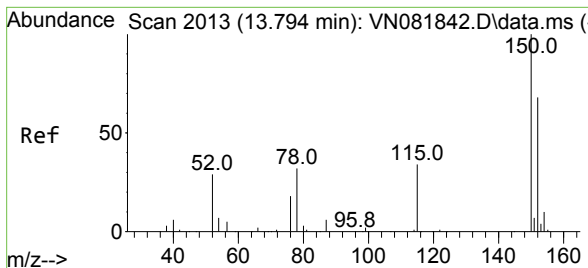
Tgt Ion: 95 Resp: 193190  
Ion Ratio Lower Upper  
95 100  
174 64.5 0.0 160.6  
176 64.2 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN081875.D  
Acq: 26 Apr 2024 14:08

Tgt Ion: 117 Resp: 385636  
Ion Ratio Lower Upper  
117 100  
82 62.9 44.6 66.8  
119 33.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081875.D

Acq: 26 Apr 2024 14:08

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-042424

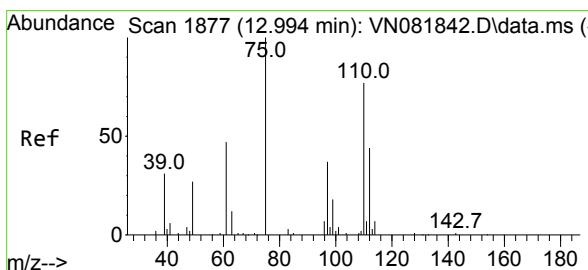
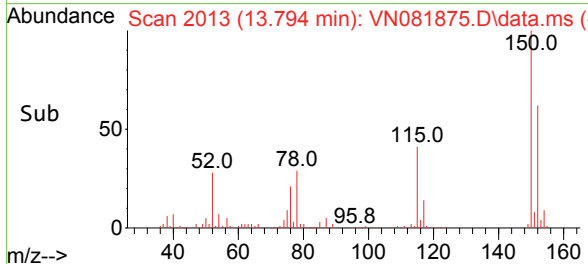
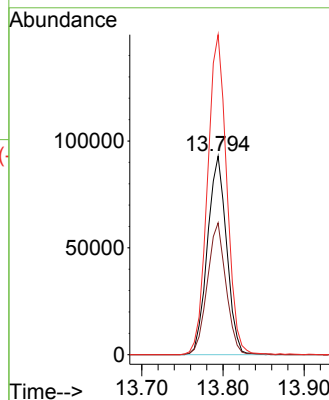
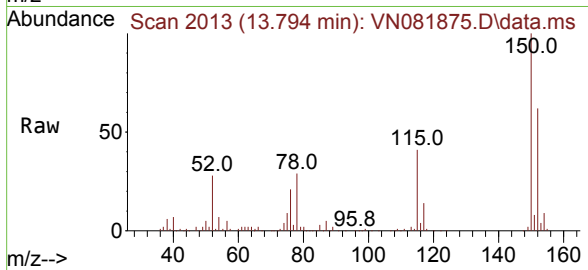
Tgt Ion:152 Resp: 151971

Ion Ratio Lower Upper

152 100

115 65.0 30.4 91.3

150 161.9 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 26.414 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081875.D

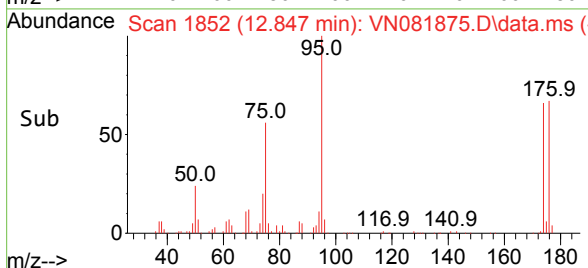
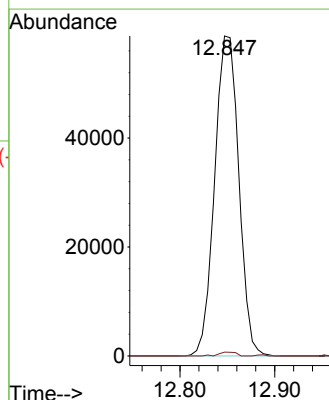
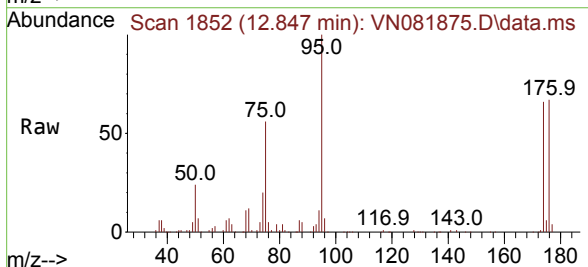
Acq: 26 Apr 2024 14:08

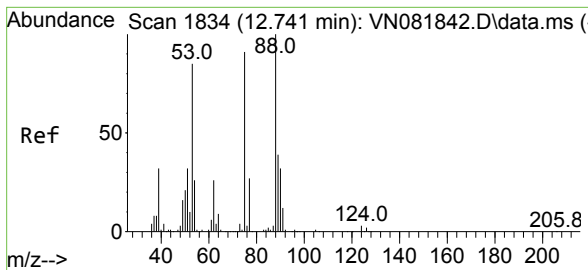
Tgt Ion: 75 Resp: 104077

Ion Ratio Lower Upper

75 100

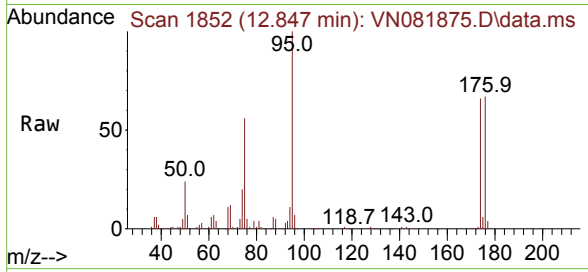
77 0.9 90.5 271.3#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 54.125 ug/l  
 RT: 12.847 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VN081875.D  
 Acq: 26 Apr 2024 14:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-042424



Tgt Ion: 75 Resp: 104077  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.9 109.3#  
 89 0.2 39.1 58.7#

