

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN043024\  
 Data File : VN081923.D  
 Acq On : 30 Apr 2024 11:56  
 Operator : JC\MD  
 Sample : P2183-03 20X  
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: May 01 00:50:53 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

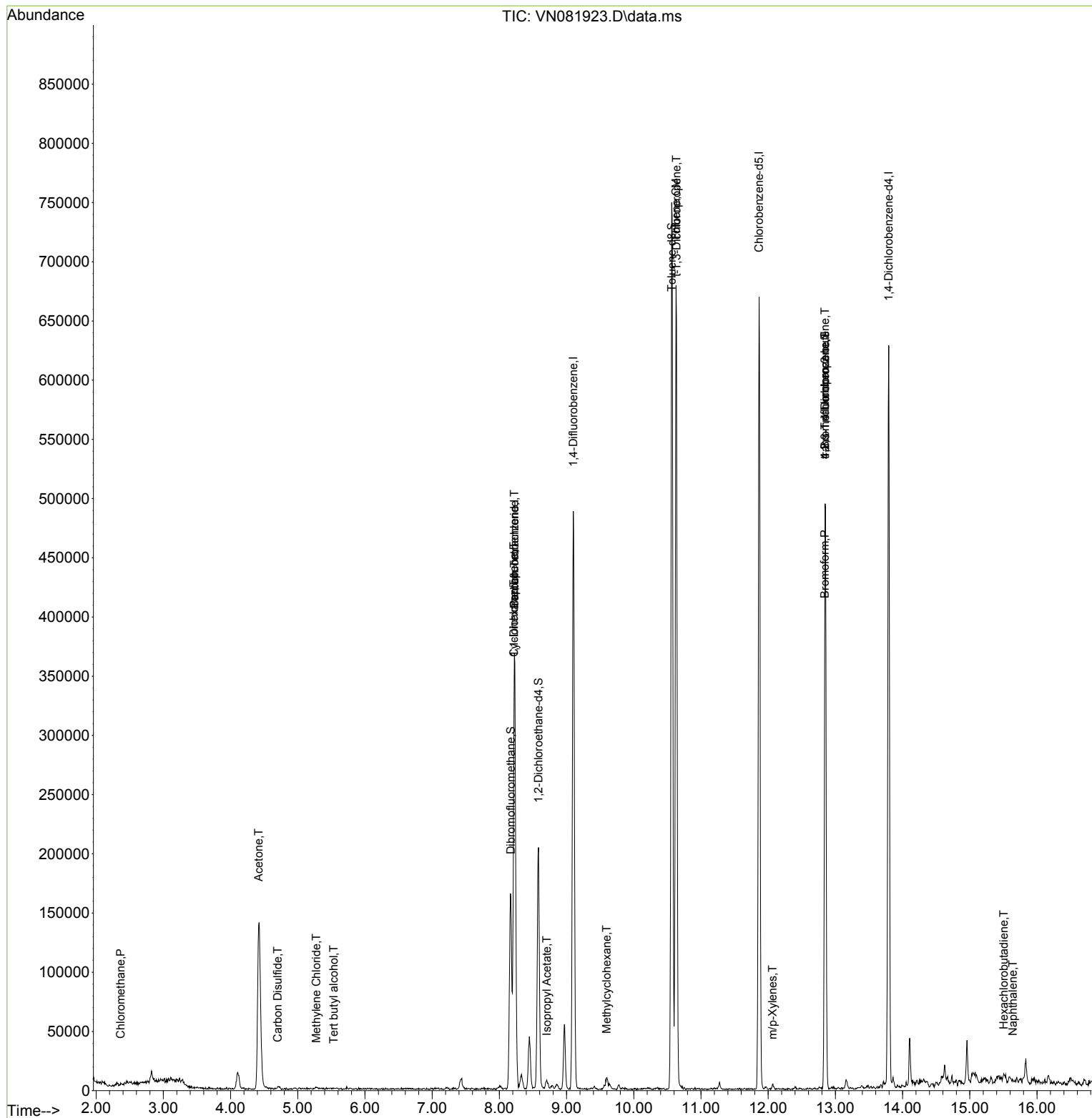
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 212568   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 413644   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 374034   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 157037   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 158168   | 44.088    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 88.180%  |
| 35) Dibromofluoromethane      | 8.171  | 113   | 121488   | 48.781    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 97.560%  |
| 50) Toluene-d8                | 10.565 | 98    | 513439   | 52.492    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 104.980% |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 180229   | 46.612    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery  | =      | 93.220%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.365  | 50    | 877      | 0.282     | ug/l # | 43       |
| 5) Bromomethane               | 2.971  | 94    | 705      | Below Cal |        | 82       |
| 11) Tert butyl alcohol        | 5.536  | 59    | 182      | 0.279     | ug/l # | 71       |
| 13) Acrolein                  | 4.189  | 56    | 645      | Below Cal |        | 95       |
| 16) Acetone                   | 4.418  | 43    | 266795   | 251.516   | ug/l   | 98       |
| 17) Carbon Disulfide          | 4.700  | 76    | 2876     | 0.372     | ug/l # | 74       |
| 20) Methylene Chloride        | 5.277  | 84    | 678      | 0.221     | ug/l # | 36       |
| 31) Cyclohexane               | 8.218  | 56    | 11771    | 2.178     | ug/l # | 72       |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 20383    | 5.031     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 22338    | 5.641     | ug/l # | 15       |
| 39) Methylcyclohexane         | 9.594  | 83    | 3754     | 0.763     | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.706  | 43    | 4296     | 0.522     | ug/l # | 52       |
| 52) Toluene                   | 10.629 | 92    | 293003   | 40.226    | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.635 | 75    | 3188     | 0.631     | ug/l # | 1        |
| 68) m/p-Xylenes               | 12.065 | 106   | 1250     | 0.231     | ug/l # | 72       |
| 71) Bromoform                 | 12.841 | 173   | 616      | 0.295     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 98128    | 24.100    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 98128    | 49.385    | ug/l # | 12       |
| 94) Hexachlorobutadiene       | 15.506 | 225   | 337      | 0.313     | ug/l # | 43       |
| 95) Naphthalene               | 15.641 | 128   | 2518     | 0.228     | ug/l # | 80       |
| -----                         |        |       |          |           |        |          |

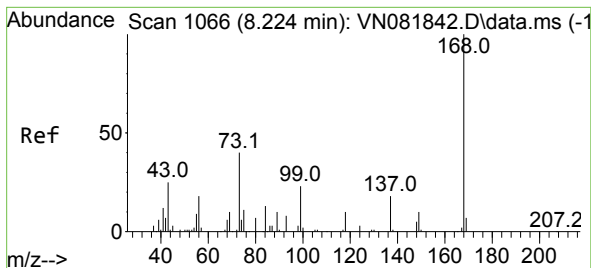
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 26 05:26:49 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Instrument :

MSVOA\_N

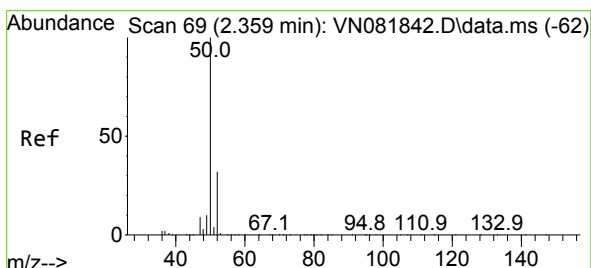
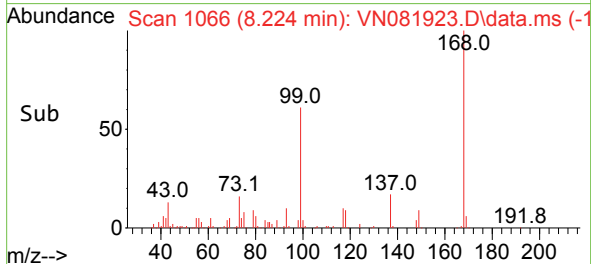
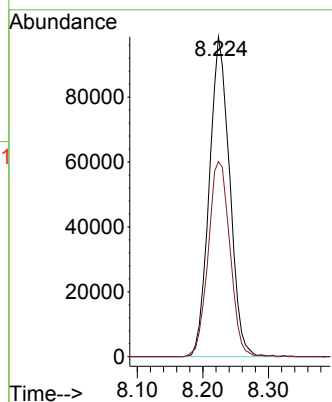
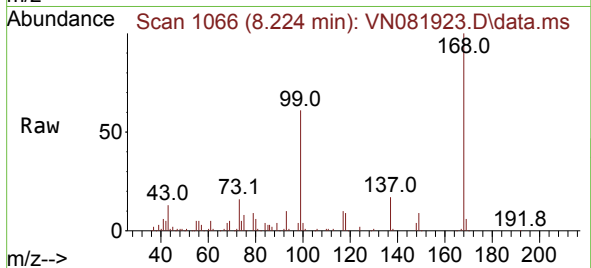
ClientSampleId :

Tgt Ion:168 Resp: 212568

Ion Ratio Lower Upper

168 100

99 61.0 48.2 72.4



#3

Chloromethane

Concen: 0.282 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081923.D

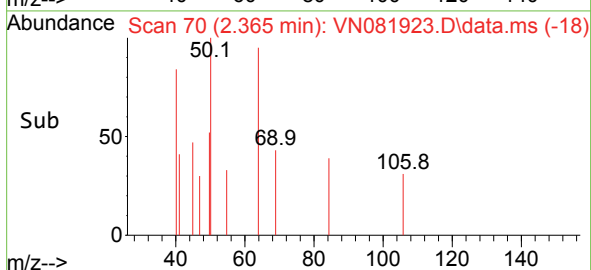
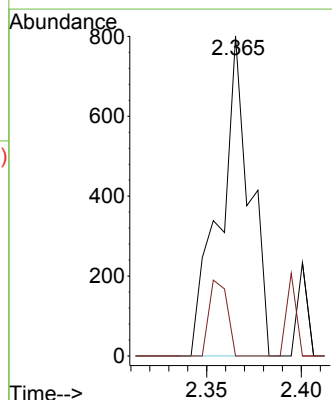
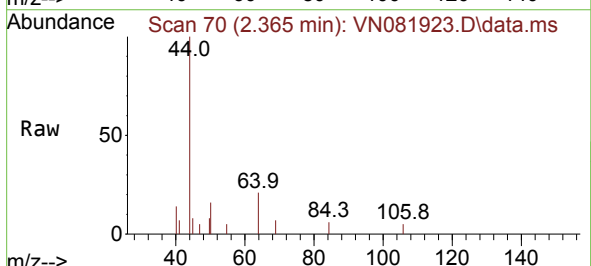
Acq: 30 Apr 2024 11:56

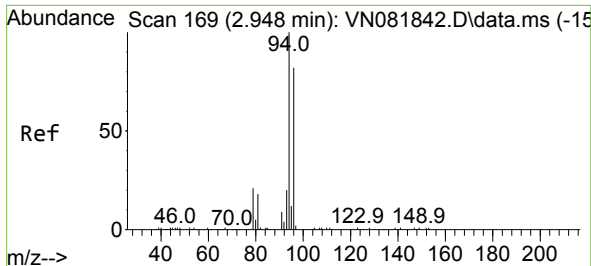
Tgt Ion: 50 Resp: 877

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

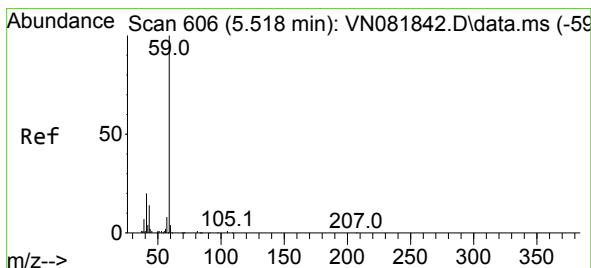
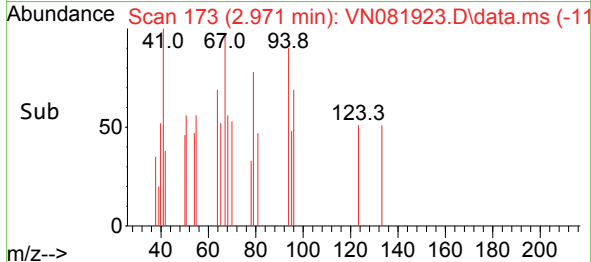
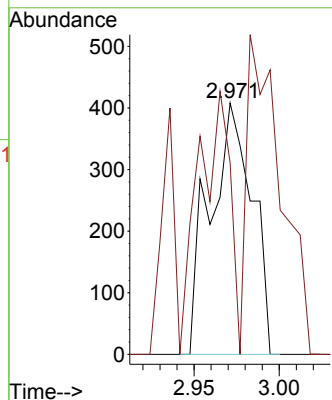
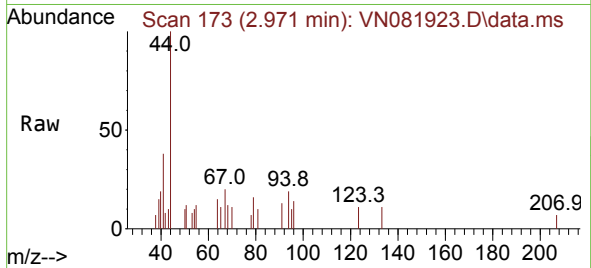




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.971 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

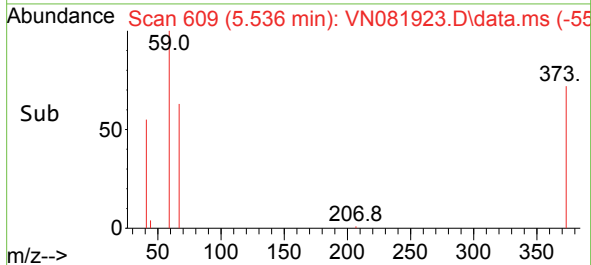
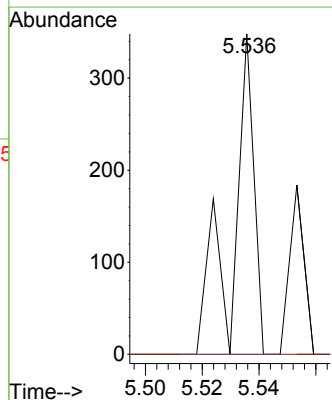
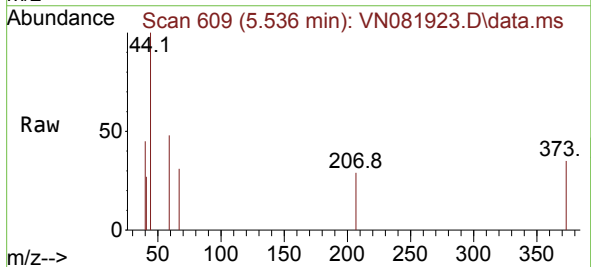
Instrument :  
MSVOA\_N  
ClientSampleId :

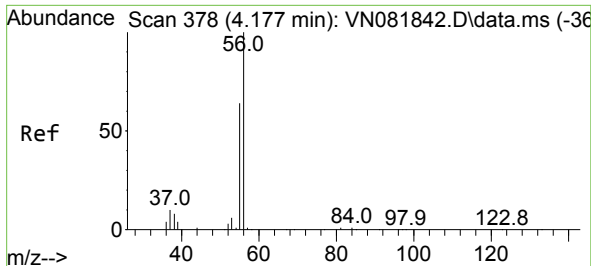
Tgt Ion: 94 Resp: 705  
Ion Ratio Lower Upper  
94 100  
96 76.2 74.8 112.2



#11  
Tert butyl alcohol  
Concen: 0.279 ug/l  
RT: 5.536 min Scan# 609  
Delta R.T. 0.018 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

Tgt Ion: 59 Resp: 182  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#

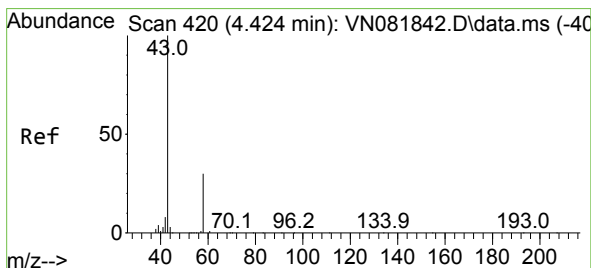
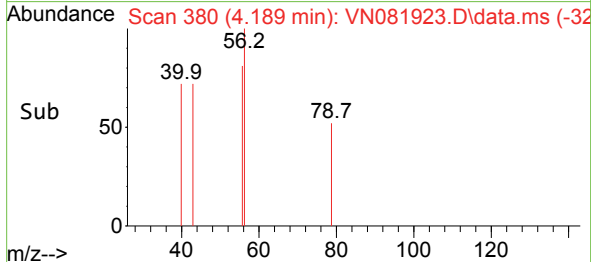
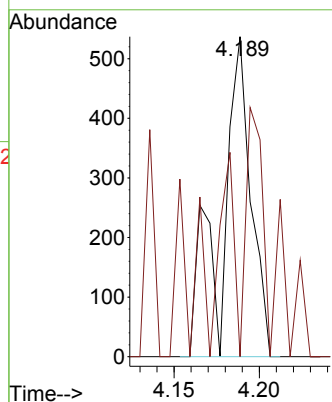
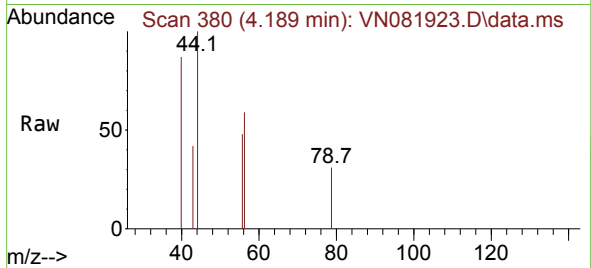




#13  
Acrolein  
Concen: Below Cal  
RT: 4.189 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

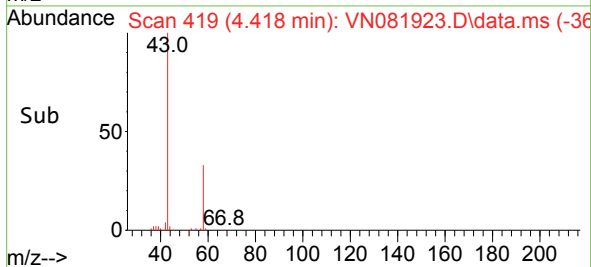
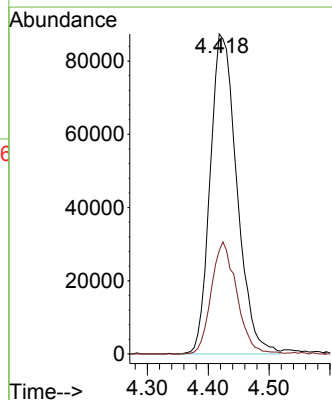
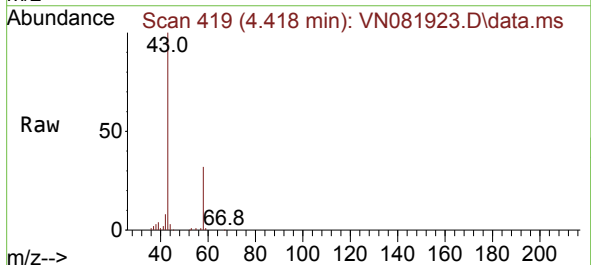
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MSVOA\_N  
ClientSampleId :

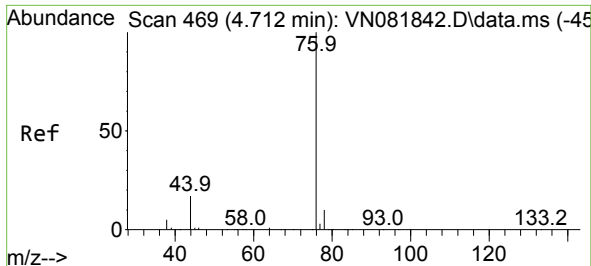
Tgt Ion: 56 Resp: 645  
Ion Ratio Lower Upper  
56 100  
55 66.0 55.8 83.8



#16  
Acetone  
Concen: 251.516 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

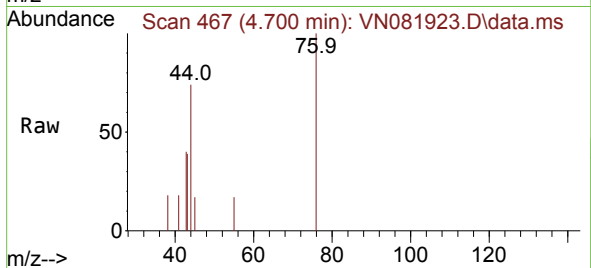
Tgt Ion: 43 Resp: 266795  
Ion Ratio Lower Upper  
43 100  
58 32.5 25.2 37.8



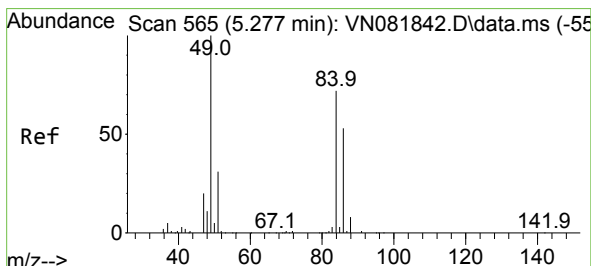
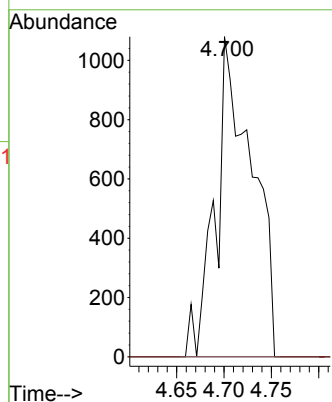
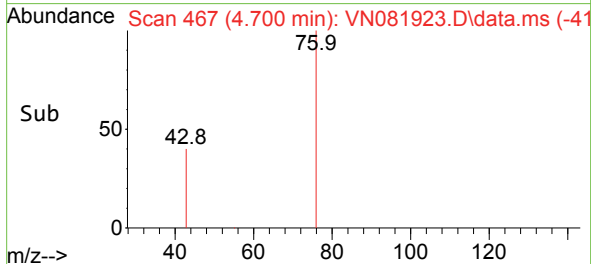


#17  
Carbon Disulfide  
Concen: 0.372 ug/l  
RT: 4.700 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

Instrument :  
MSVOA\_N  
ClientSampleId :

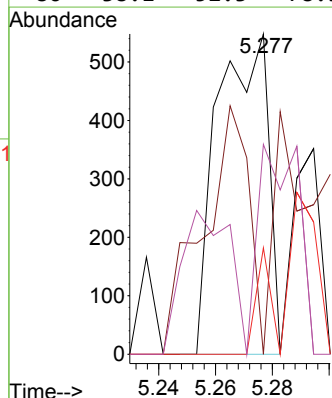
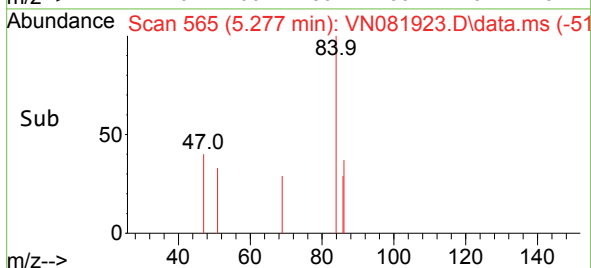
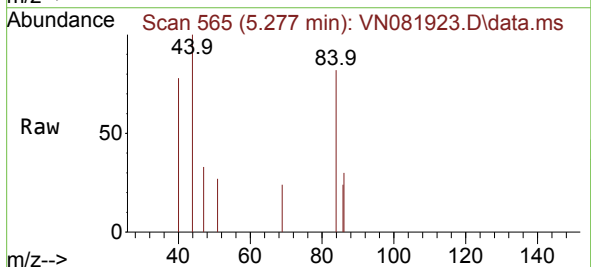


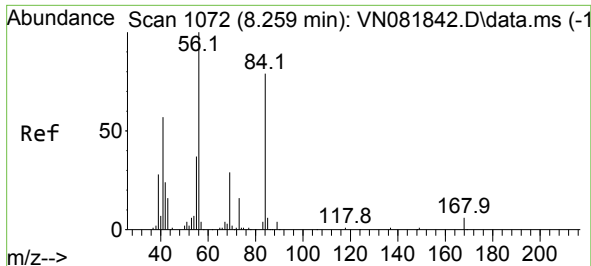
Tgt Ion: 76 Resp: 2876  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#20  
Methylene Chloride  
Concen: 0.221 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

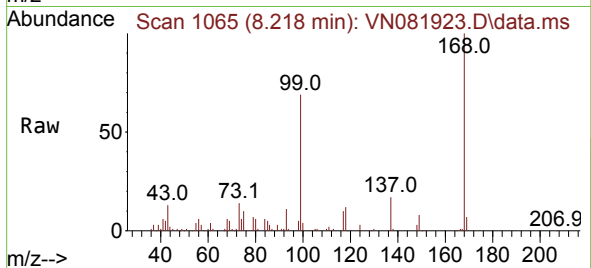
Tgt Ion: 84 Resp: 678  
Ion Ratio Lower Upper  
84 100  
49 0.0 84.9 127.3#  
51 33.2 27.0 40.6  
86 38.1 52.3 78.5#



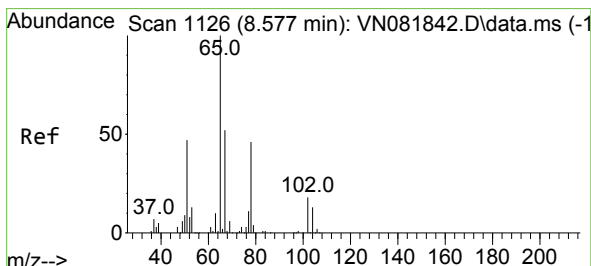
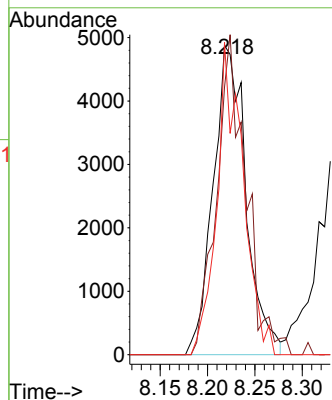
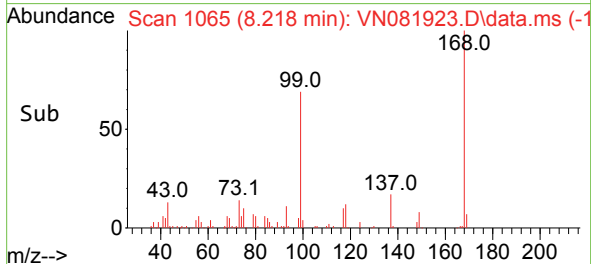


#31  
Cyclohexane  
Concen: 2.178 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.041 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

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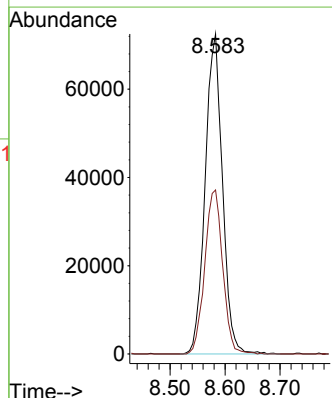
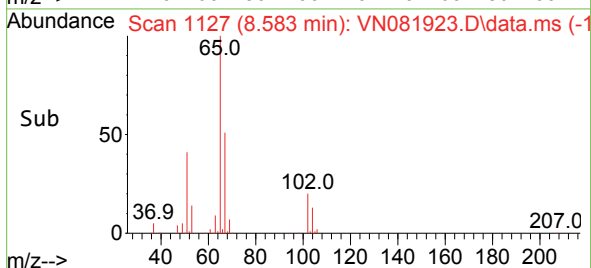
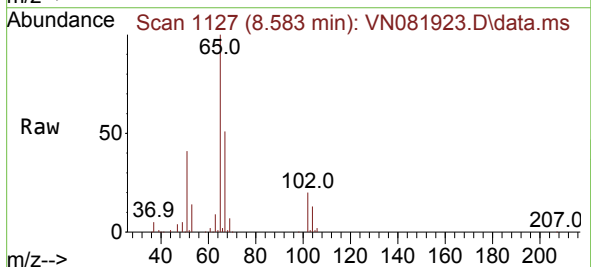


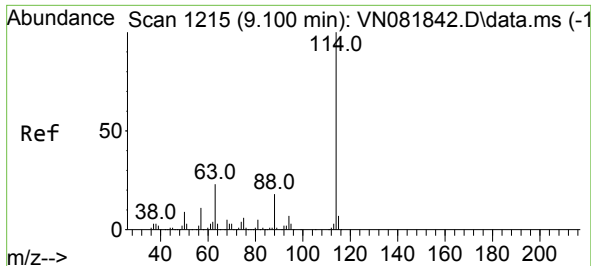
Tgt Ion: 56 Resp: 11771  
Ion Ratio Lower Upper  
56 100  
69 86.5 24.4 36.6#  
84 100.9 77.0 115.4



#33  
1,2-Dichloroethane-d4  
Concen: 44.088 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

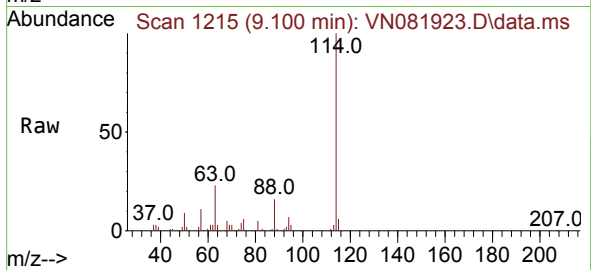
Tgt Ion: 65 Resp: 158168  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 103.0



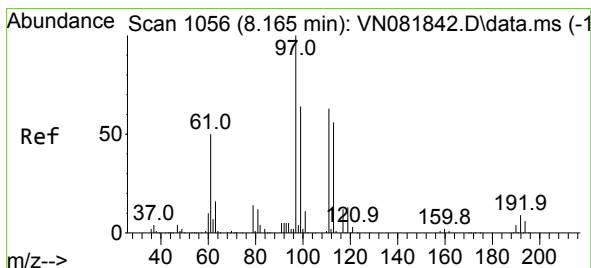
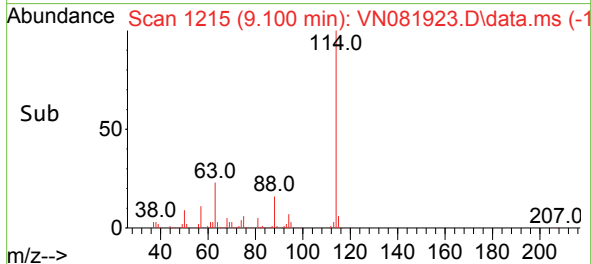
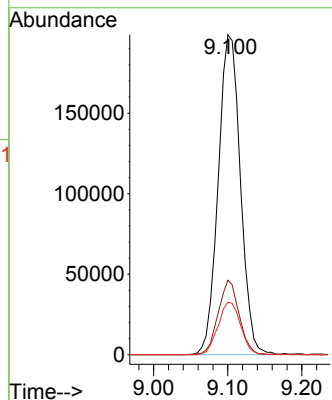


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081923.D  
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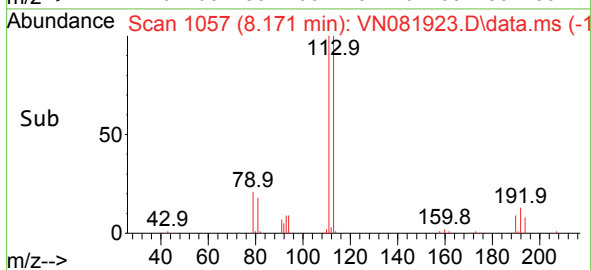
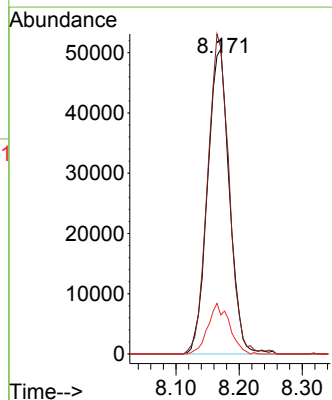
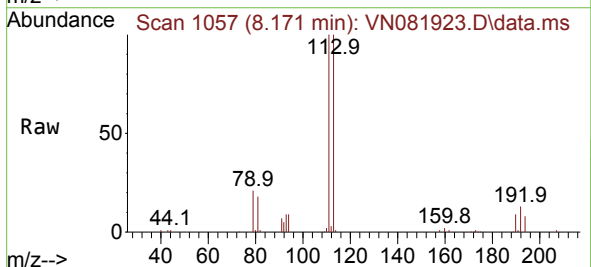


Tgt Ion:114 Resp: 413644  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 41.0  
88 16.5 0.0 31.4

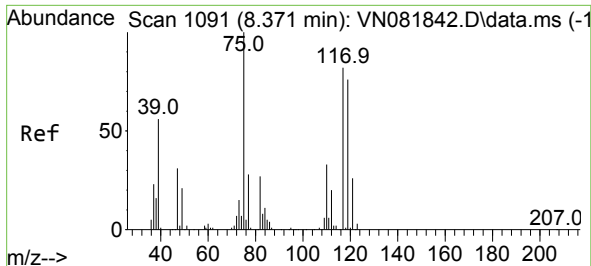


#35  
Dibromofluoromethane  
Concen: 48.781 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

Tgt Ion:113 Resp: 121488  
Ion Ratio Lower Upper  
113 100  
111 102.3 83.4 125.2  
192 16.4 14.0 21.0







#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

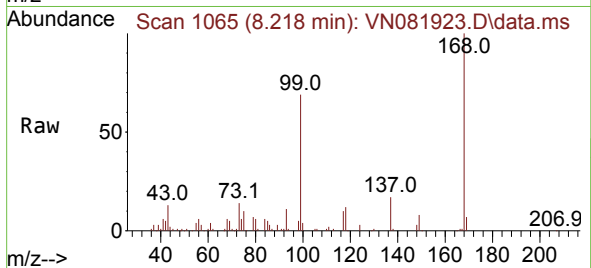
Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Instrument :

MSVOA\_N

ClientSampleId :



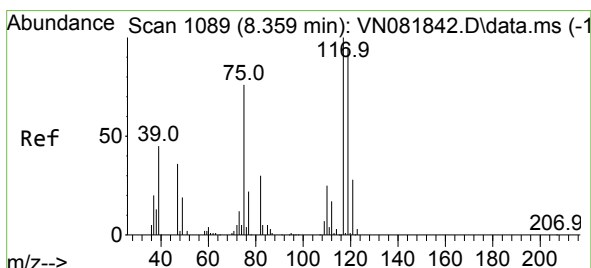
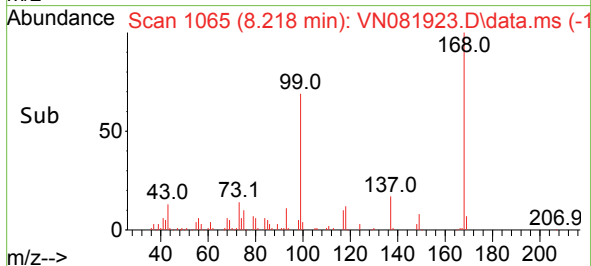
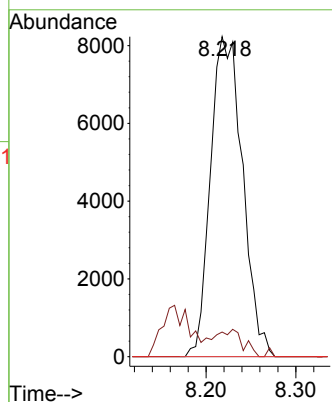
Tgt Ion: 75 Resp: 20383

Ion Ratio Lower Upper

75 100

110 6.6 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.641 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

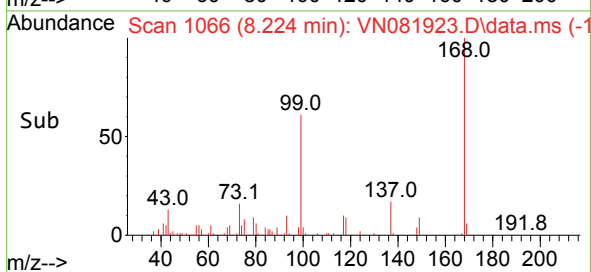
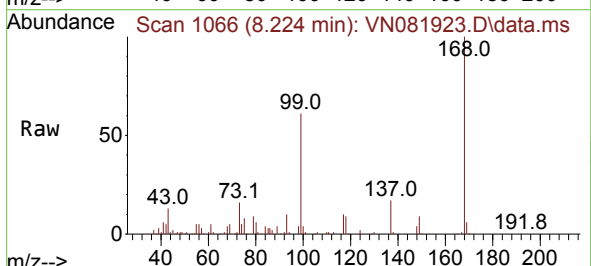
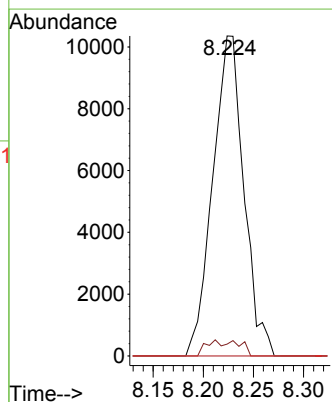
Tgt Ion: 117 Resp: 22338

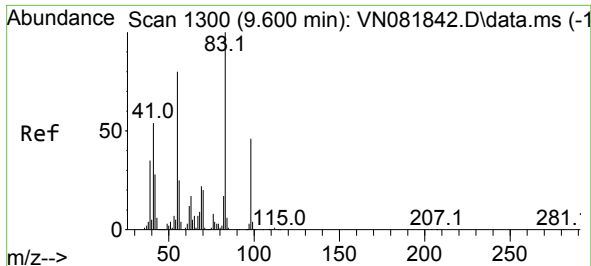
Ion Ratio Lower Upper

117 100

119 3.7 76.5 114.7#

121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 0.763 ug/l

RT: 9.594 min Scan# 11

Delta R.T. -0.006 min

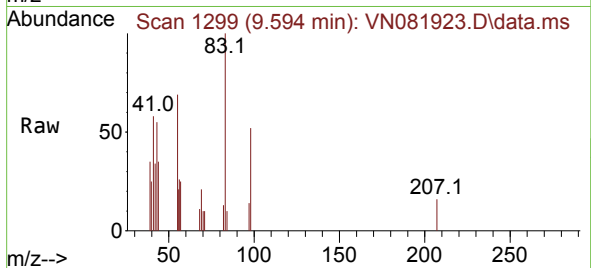
Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Instrument :

MSVOA\_N

ClientSampleId :



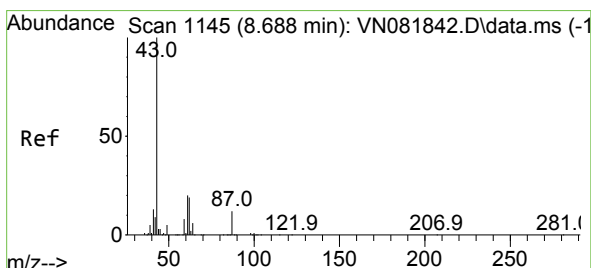
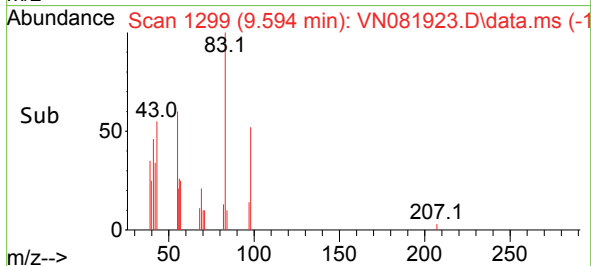
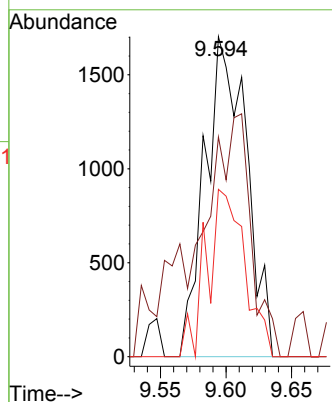
Tgt Ion: 83 Resp: 3754

Ion Ratio Lower Upper

83 100

55 68.6 53.0 79.6

98 52.3 37.1 55.7



#43

Isopropyl Acetate

Concen: 0.522 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.018 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

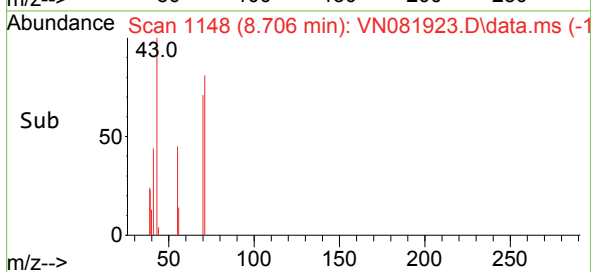
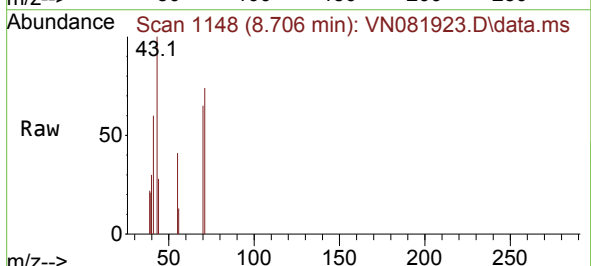
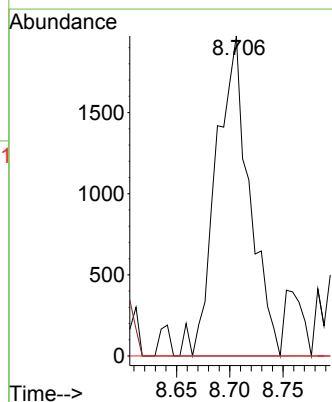
Tgt Ion: 43 Resp: 4296

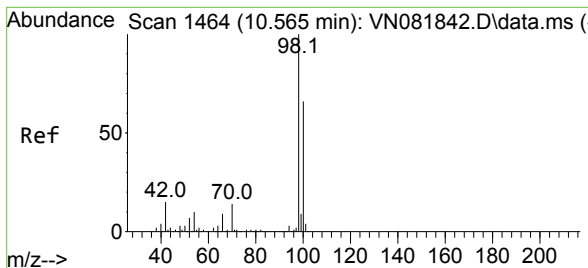
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#





#50

Toluene-d8

Concen: 52.492 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Instrument :

MSVOA\_N

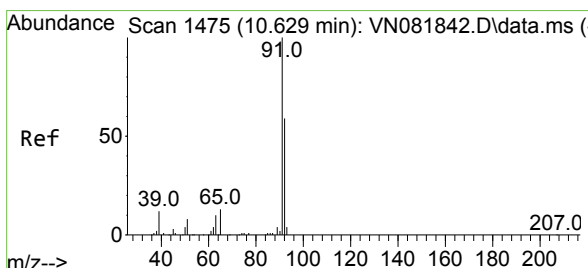
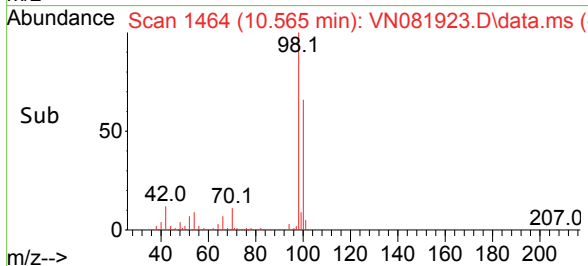
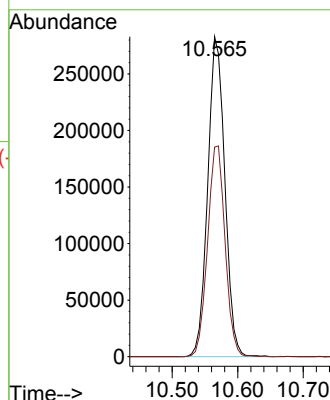
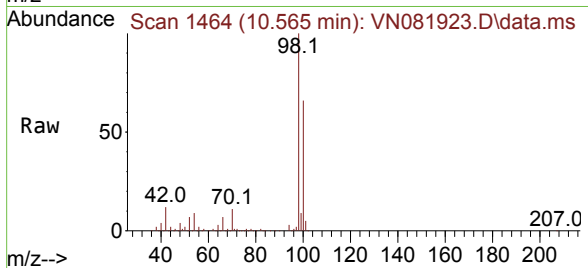
ClientSampleId :

Tgt Ion: 98 Resp: 513439

Ion Ratio Lower Upper

98 100

100 67.3 51.8 77.6



#52

Toluene

Concen: 40.226 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081923.D

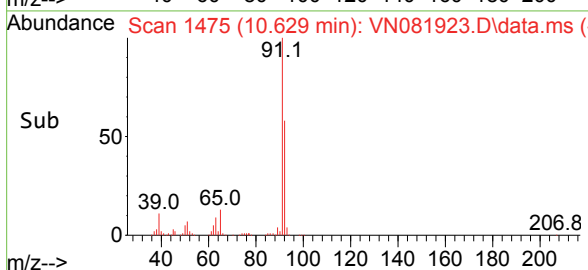
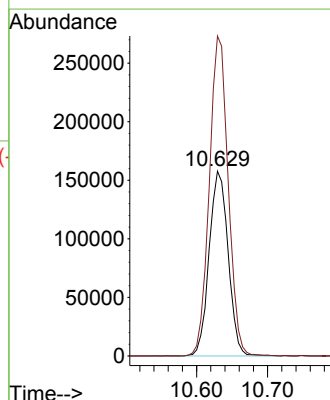
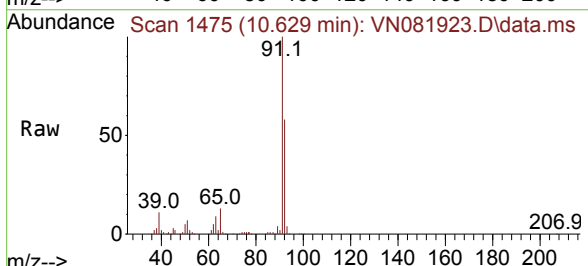
Acq: 30 Apr 2024 11:56

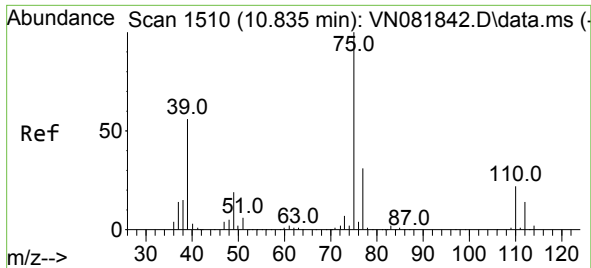
Tgt Ion: 92 Resp: 293003

Ion Ratio Lower Upper

92 100

91 172.2 136.7 205.1

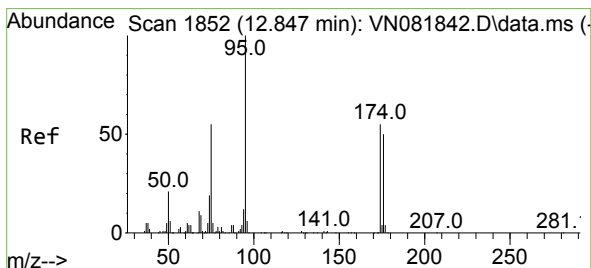
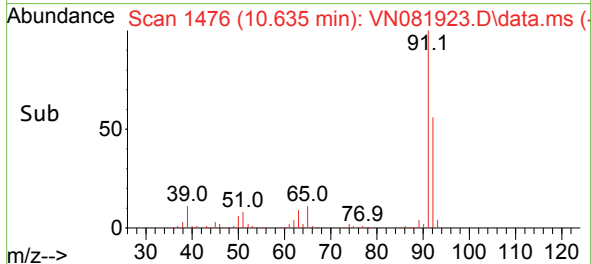
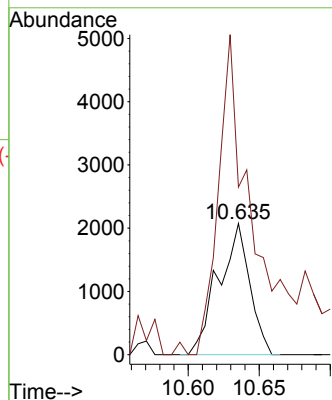
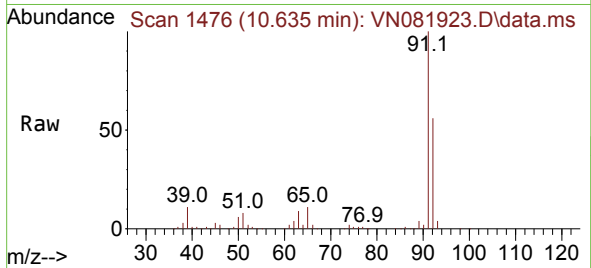




#53  
t-1,3-Dichloropropene  
Concen: 0.631 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.200 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

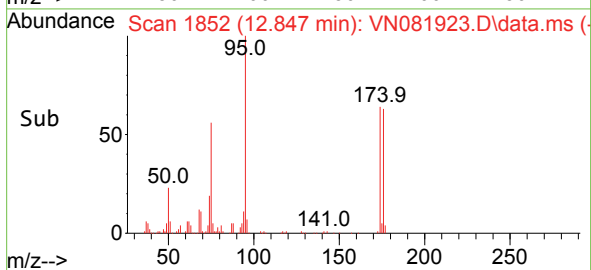
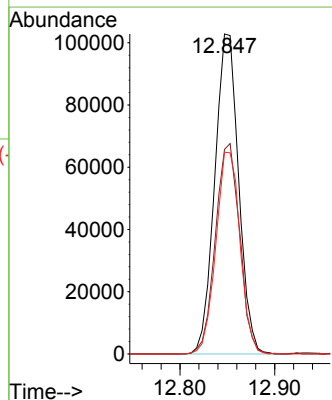
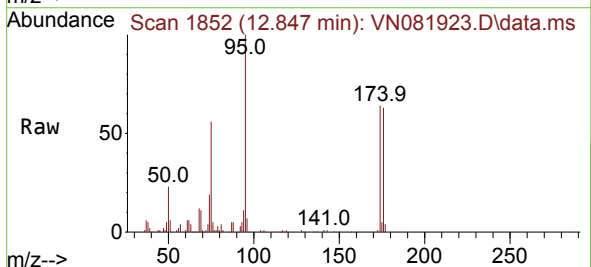
Instrument :  
MSVOA\_N  
ClientSampleId :

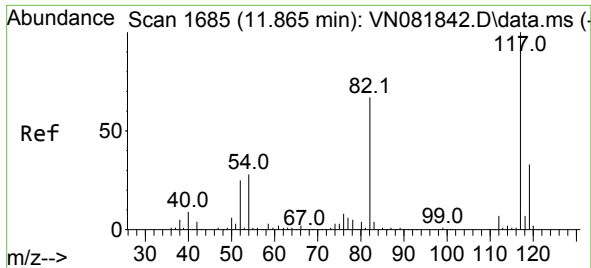
Tgt Ion: 75 Resp: 3188  
Ion Ratio Lower Upper  
75 100  
77 118.1 25.4 38.0#



#62  
4-Bromofluorobenzene  
Concen: 46.612 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

Tgt Ion: 95 Resp: 180229  
Ion Ratio Lower Upper  
95 100  
174 66.7 0.0 160.6  
176 63.8 0.0 152.8

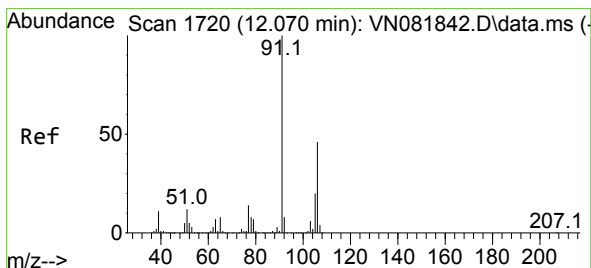
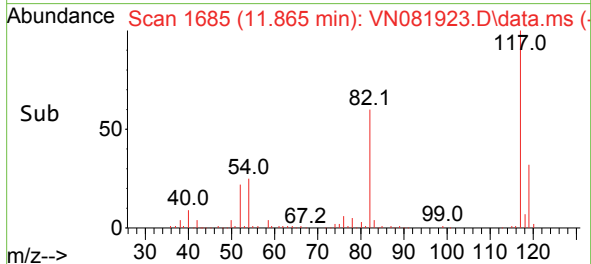
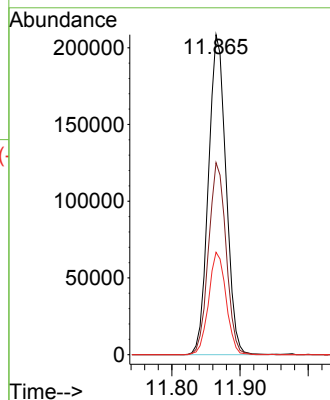
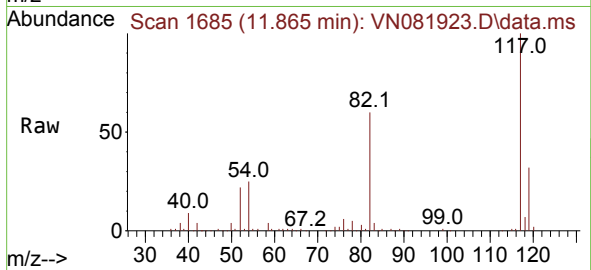




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

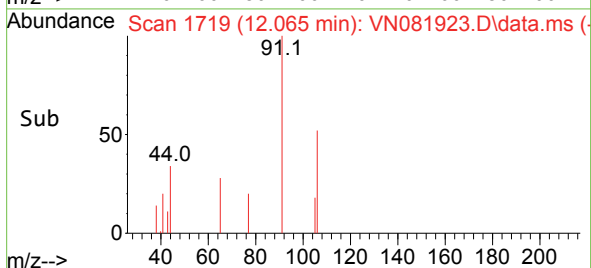
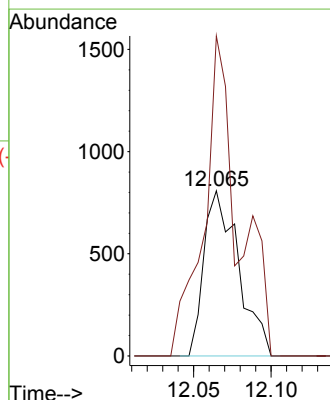
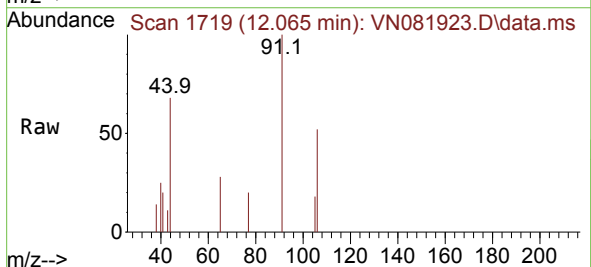
Instrument :  
MSVOA\_N  
ClientSampleId :

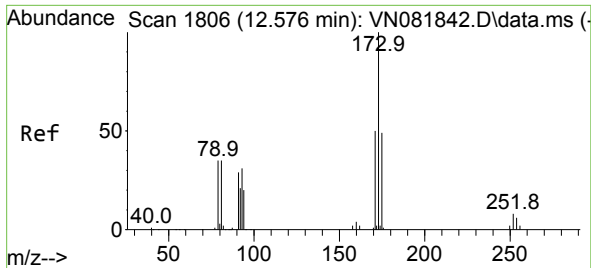
Tgt Ion:117 Resp: 374034  
Ion Ratio Lower Upper  
117 100  
82 60.0 44.6 66.8  
119 32.0 25.9 38.9



#68  
m/p-Xylenes  
Concen: 0.231 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

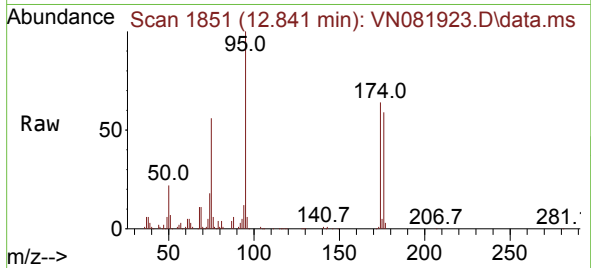
Tgt Ion:106 Resp: 1250  
Ion Ratio Lower Upper  
106 100  
91 157.2 159.4 239.0#



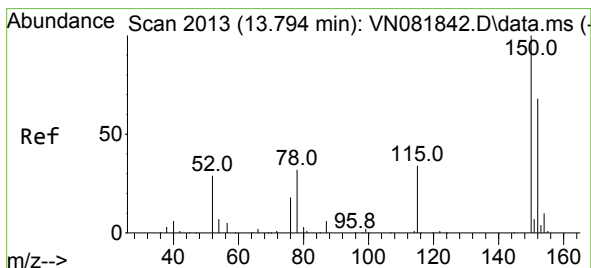
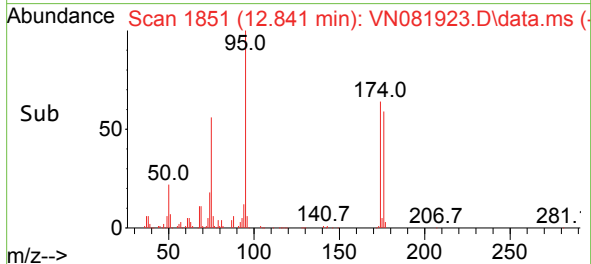
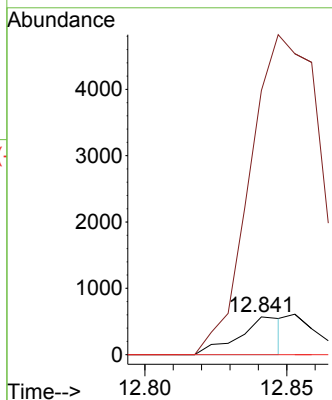


#71  
Bromoform  
Concen: 0.295 ug/l  
RT: 12.841 min Scan# 1806  
Delta R.T. 0.265 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

Instrument :  
MSVOA\_N  
ClientSampleId :

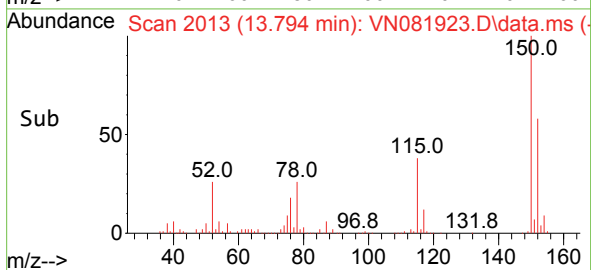
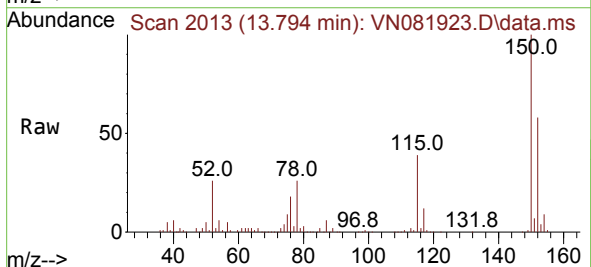
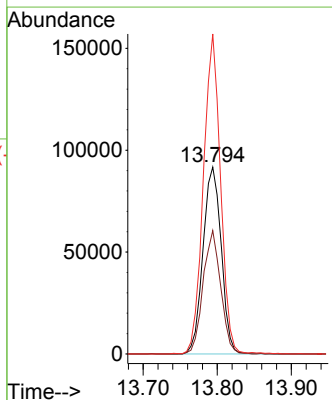


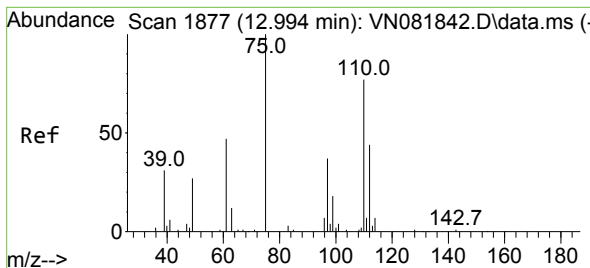
Tgt Ion:173 Resp: 616  
Ion Ratio Lower Upper  
173 100  
175 946.3 24.6 74.0#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN081923.D  
Acq: 30 Apr 2024 11:56

Tgt Ion:152 Resp: 157037  
Ion Ratio Lower Upper  
152 100  
115 63.6 30.4 91.3  
150 161.1 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 24.100 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Instrument :

MSVOA\_N

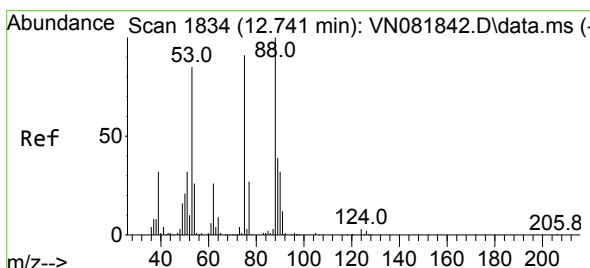
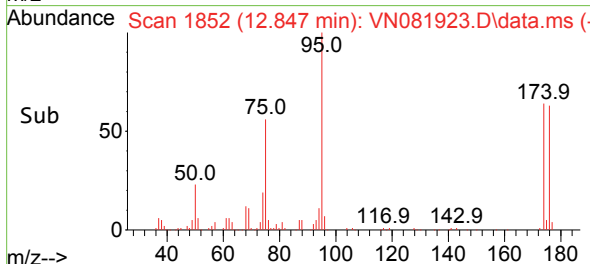
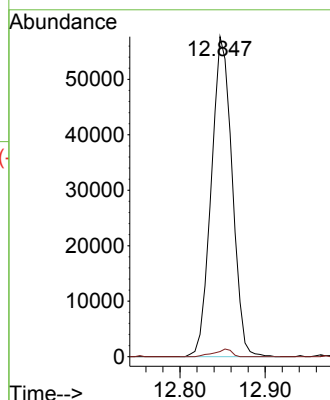
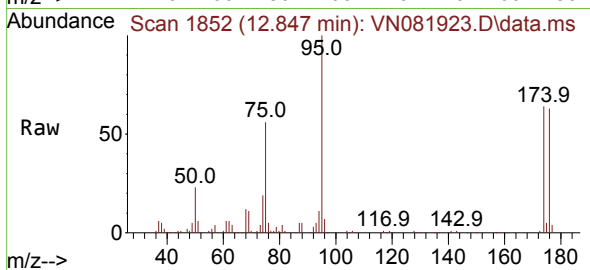
ClientSampleId :

Tgt Ion: 75 Resp: 98128

Ion Ratio Lower Upper

75 100

77 2.0 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.385 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

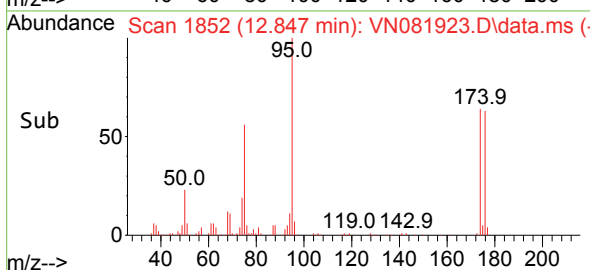
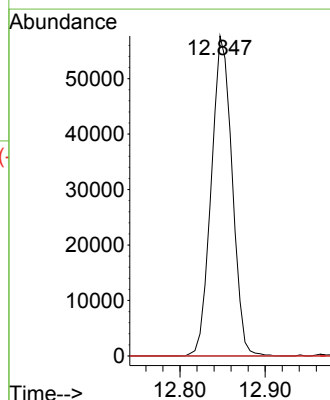
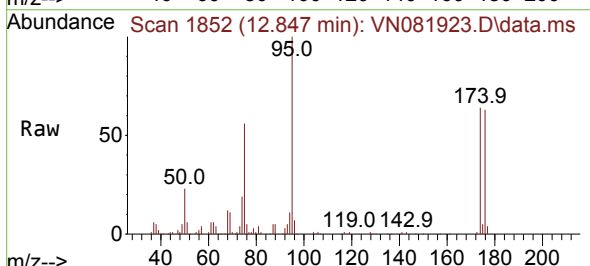
Tgt Ion: 75 Resp: 98128

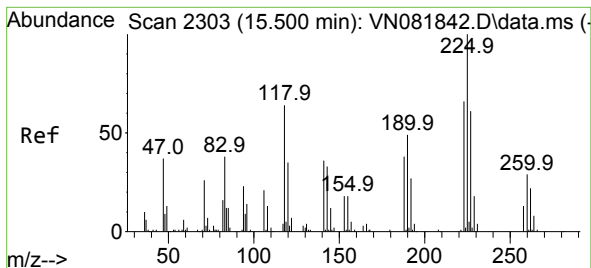
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#





#94

Hexachlorobutadiene

Concen: 0.313 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Instrument :

MSVOA\_N

ClientSampleId :

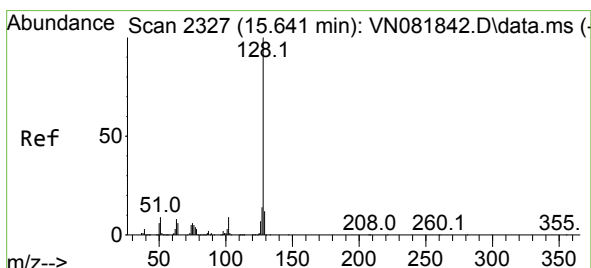
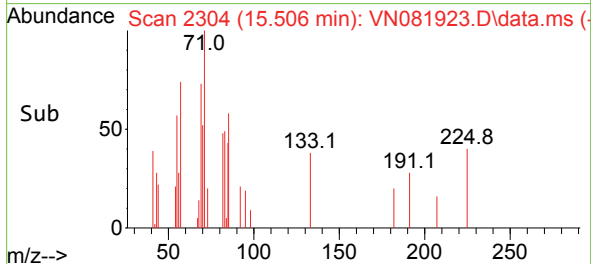
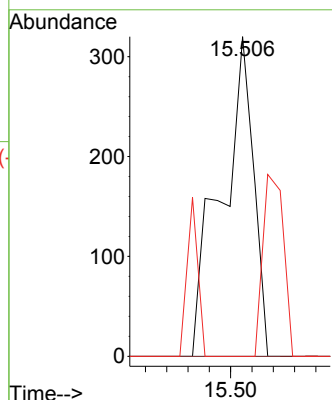
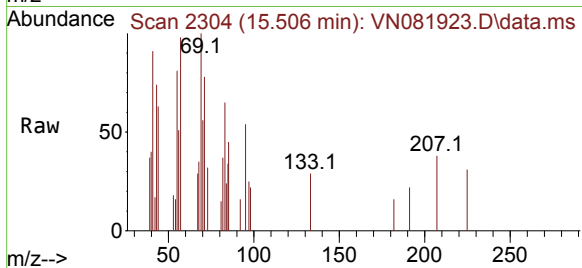
Tgt Ion:225 Resp: 337

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.2#

227 36.5 30.6 91.6



#95

Naphthalene

Concen: 0.228 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081923.D

Acq: 30 Apr 2024 11:56

Tgt Ion:128 Resp: 2518

Ion Ratio Lower Upper

128 100

127 5.2 10.1 15.1#

129 2.7 8.9 13.3#

