

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031424\  
 Data File : VN081417.D  
 Acq On : 14 Mar 2024 18:05  
 Operator : JC\MD  
 Sample : P1749-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2A

Quant Time: Mar 15 01:16:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 06 03:12:57 2024  
 Response via : Initial Calibration

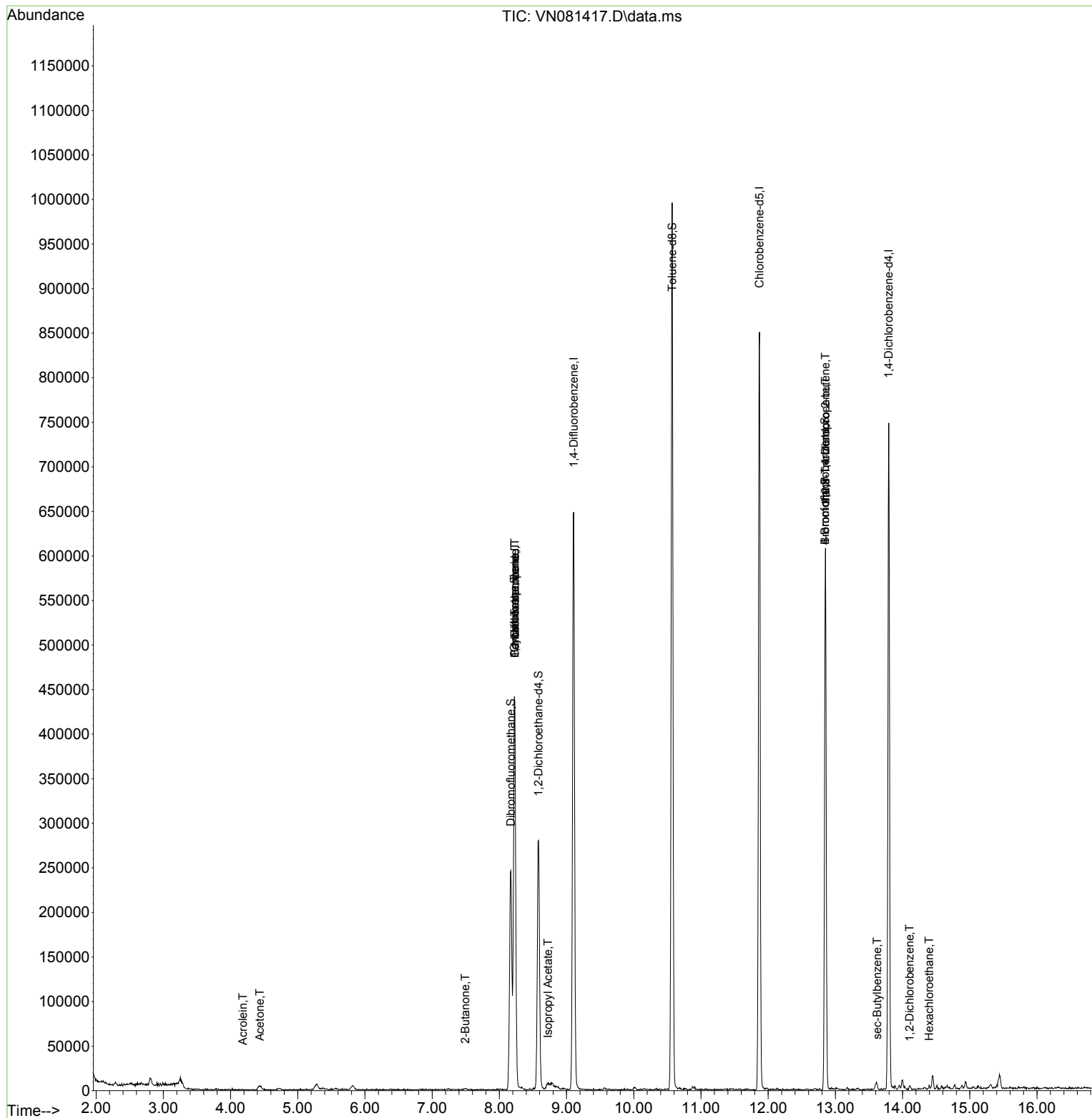
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 299220   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 555208   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.870 | 117   | 470684   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 182718   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 231838   | 53.587    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 107.180% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 175520   | 51.600    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 103.200% |          |
| 50) Toluene-d8                | 10.571 | 98    | 656245   | 51.608    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 103.220% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 204267   | 45.450    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery  | = 90.900%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 13) Acrolein                  | 4.183  | 56    | 338      | 0.377     | ug/l #     | 44       |
| 16) Acetone                   | 4.436  | 43    | 6249     | 4.077     | ug/l #     | 81       |
| 20) Methylene Chloride        | 5.294  | 84    | 379      | Below Cal | #          | 42       |
| 25) 2-Butanone                | 7.494  | 43    | 863      | 0.336     | ug/l #     | 51       |
| 31) Cyclohexane               | 8.224  | 56    | 10479    | 1.600     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 28201    | 5.139     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 34135    | 6.180     | ug/l #     | 18       |
| 43) Isopropyl Acetate         | 8.724  | 43    | 5483     | 0.584     | ug/l #     | 57       |
| 71) Bromoform                 | 12.847 | 173   | 1736     | 0.689     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 112461   | 26.058    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 112461   | 72.724    | ug/l #     | 14       |
| 85) sec-Butylbenzene          | 13.623 | 105   | 5038     | 0.333     | ug/l #     | 67       |
| 90) Hexachloroethane          | 14.394 | 117   | 1859     | 0.875     | ug/l #     | 21       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146   | 2317     | 0.366     | ug/l #     | 68       |
| -----                         |        |       |          |           |            |          |

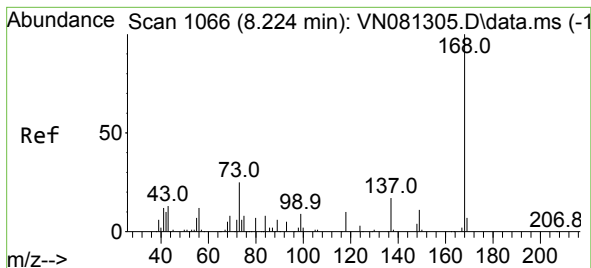
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-2A

Quant Time: Mar 15 01:16:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030524W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 06 03:12:57 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081417.D

Acq: 14 Mar 2024 18:05

Instrument :

MSVOA\_N

ClientSampleId :

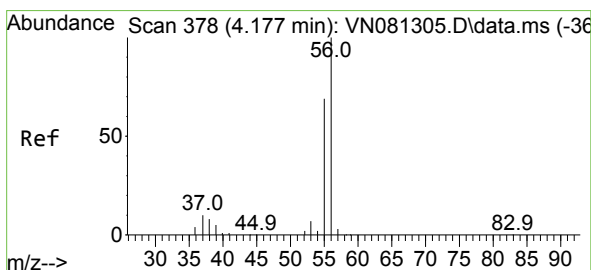
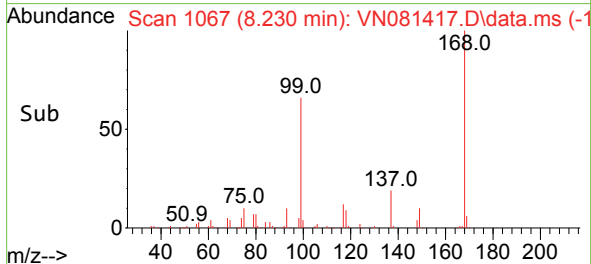
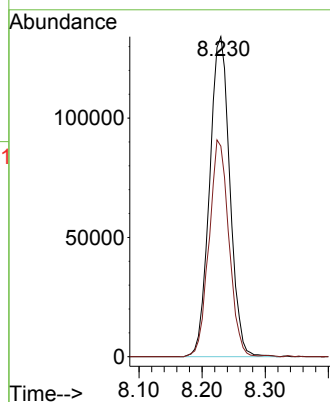
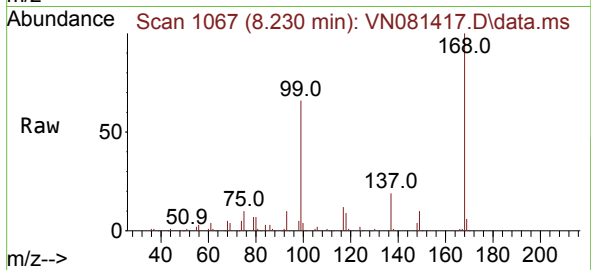
MW-2A

Tgt Ion:168 Resp: 299220

Ion Ratio Lower Upper

168 100

99 65.8 59.9 89.9



#13

Acrolein

Concen: 0.377 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081417.D

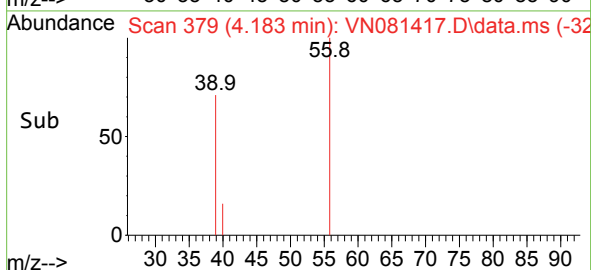
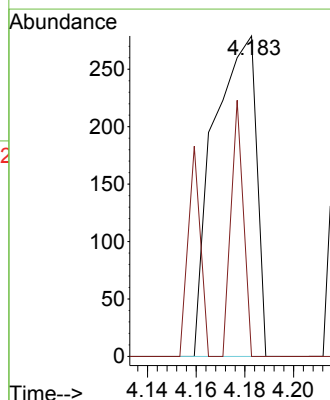
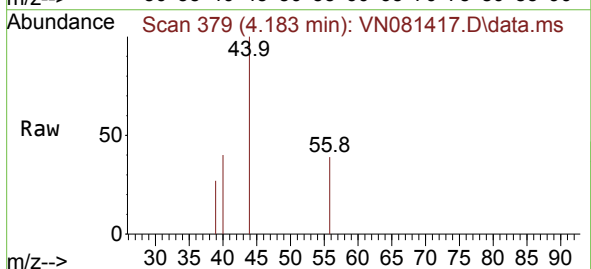
Acq: 14 Mar 2024 18:05

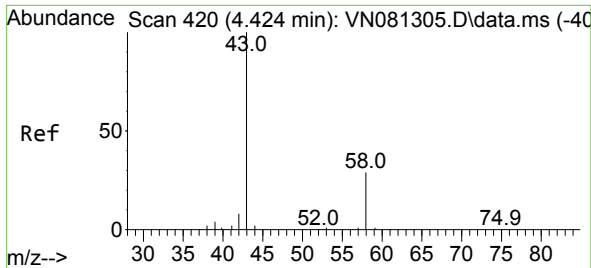
Tgt Ion: 56 Resp: 338

Ion Ratio Lower Upper

56 100

55 23.4 55.3 82.9#

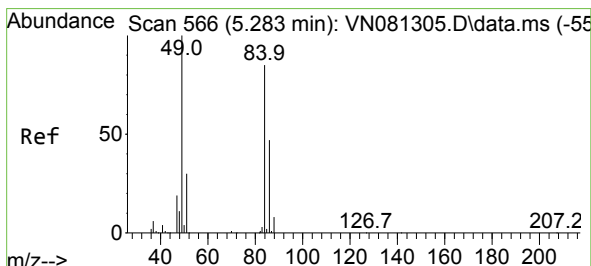
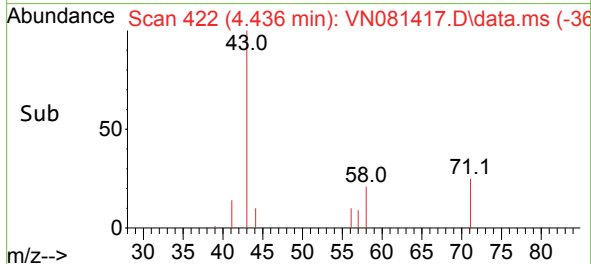
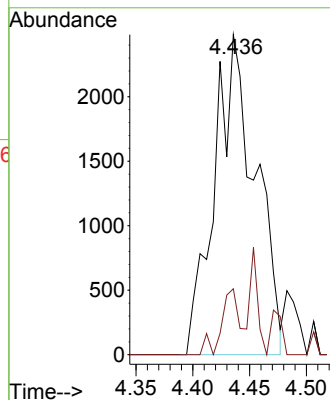
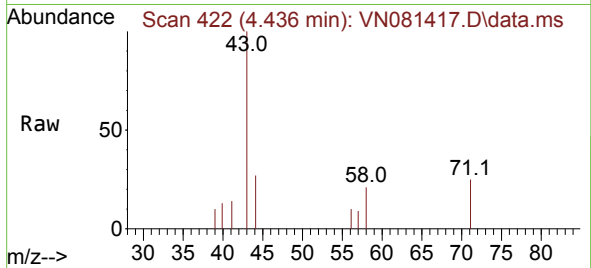




#16  
Acetone  
Concen: 4.077 ug/l  
RT: 4.436 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

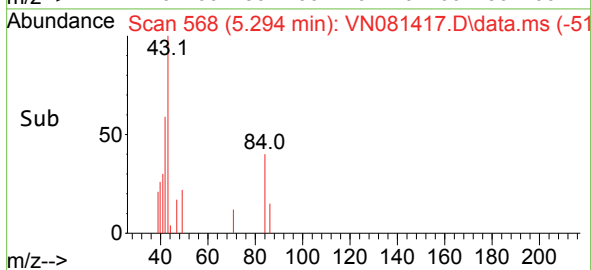
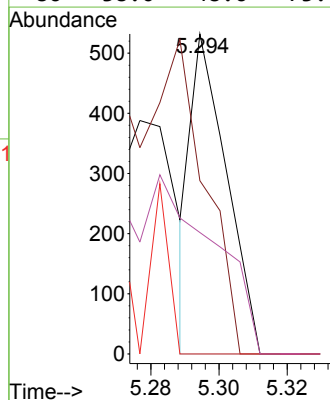
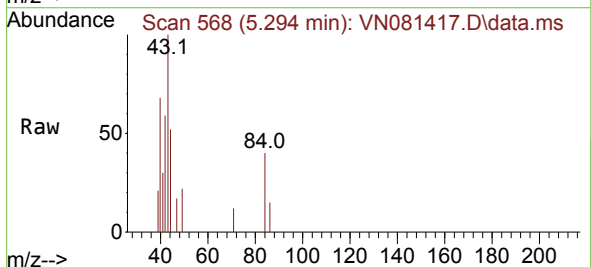
Instrument :  
MSVOA\_N  
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MW-2A

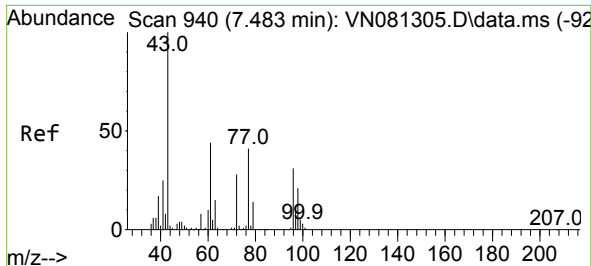
Tgt Ion: 43 Resp: 6249  
Ion Ratio Lower Upper  
43 100  
58 20.6 24.8 37.2#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.294 min Scan# 568  
Delta R.T. 0.011 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

Tgt Ion: 84 Resp: 379  
Ion Ratio Lower Upper  
84 100  
49 54.1 108.1 162.1#  
51 0.0 32.9 49.3#  
86 38.0 48.6 73.0#

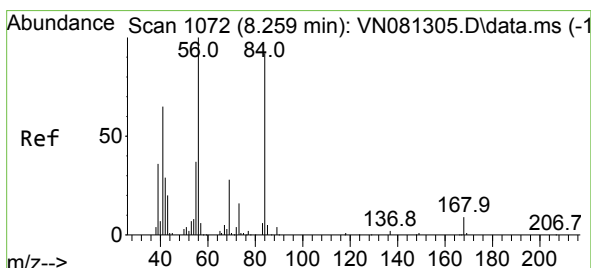
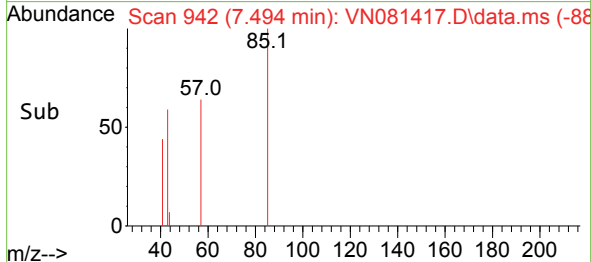
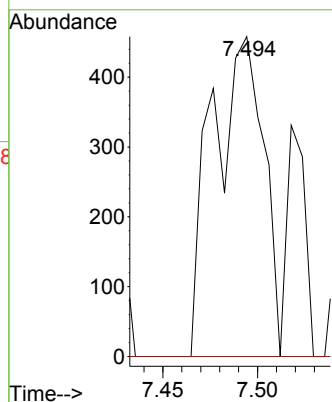
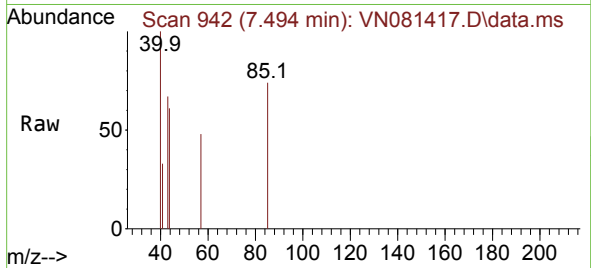




#25  
2-Butanone  
Concen: 0.336 ug/l  
RT: 7.494 min Scan# 94  
Delta R.T. 0.012 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

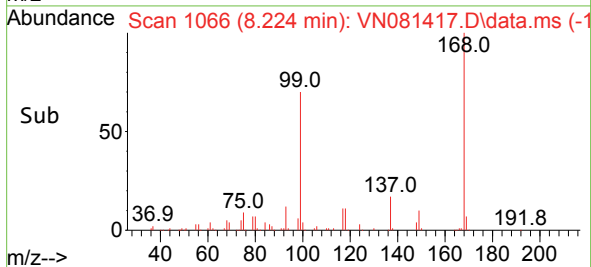
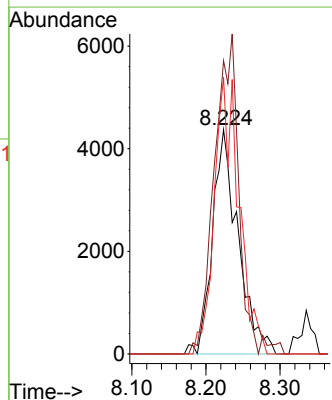
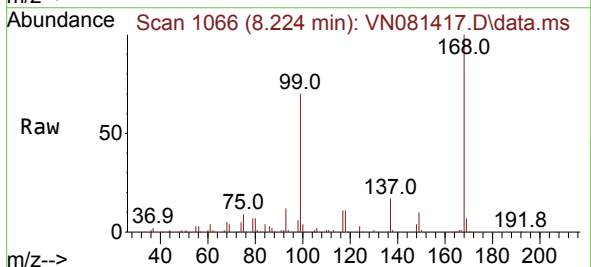
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MW-2A

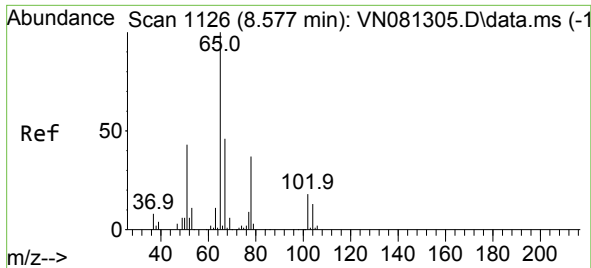
Tgt Ion: 43 Resp: 863  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.5 29.3#



#31  
Cyclohexane  
Concen: 1.600 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

Tgt Ion: 56 Resp: 10479  
Ion Ratio Lower Upper  
56 100  
69 130.7 20.1 30.1#  
84 123.3 56.9 85.3#

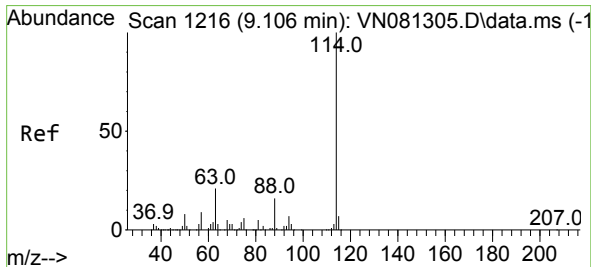
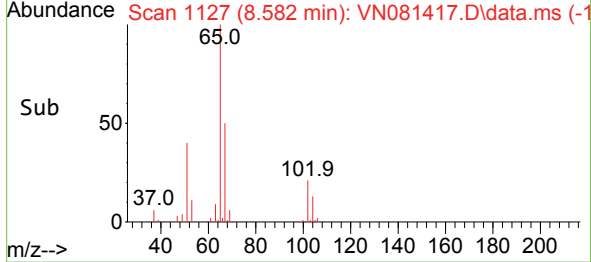
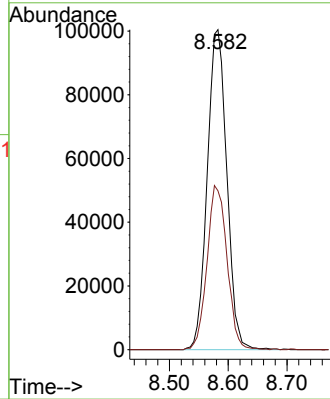
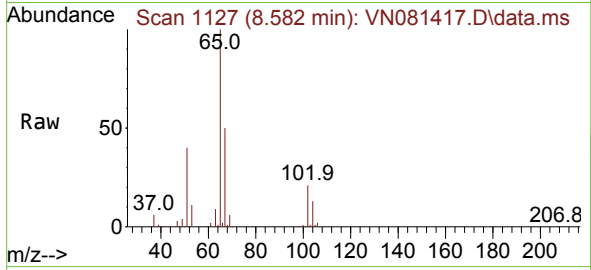




#33  
1,2-Dichloroethane-d4  
Concen: 53.587 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

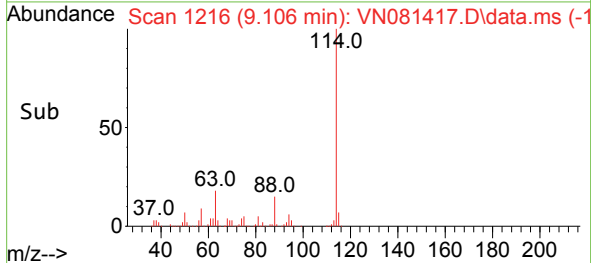
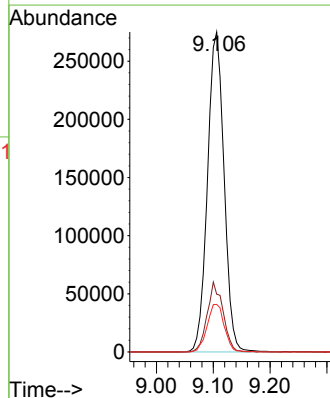
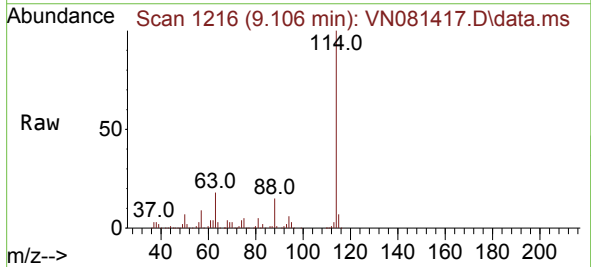
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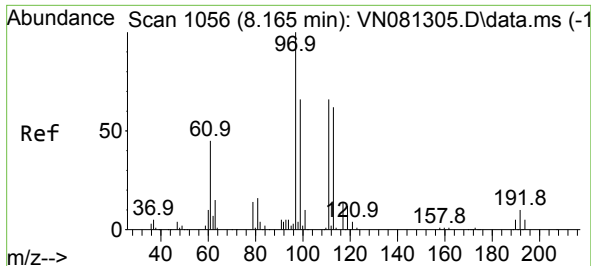
Tgt Ion: 65 Resp: 231838  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 102.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.000 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

Tgt Ion: 114 Resp: 555208  
Ion Ratio Lower Upper  
114 100  
63 18.0 0.0 48.0  
88 14.9 0.0 34.8

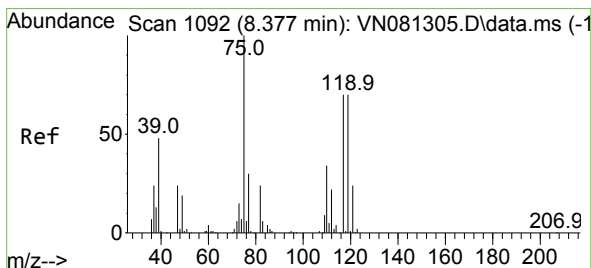
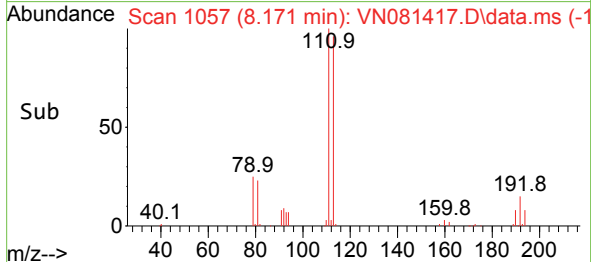
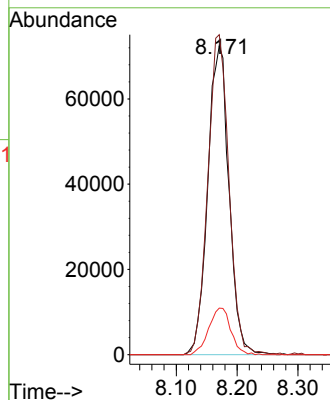
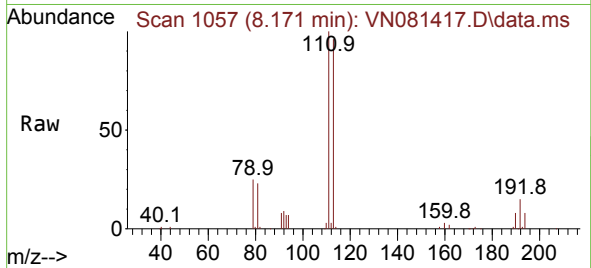




#35  
Dibromofluoromethane  
Concen: 51.600 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

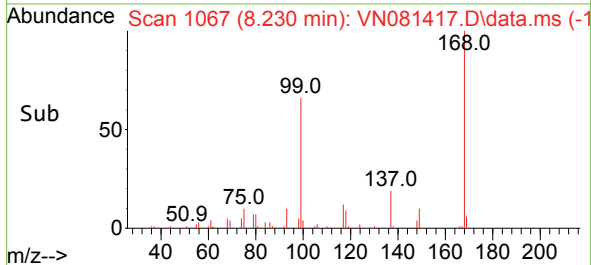
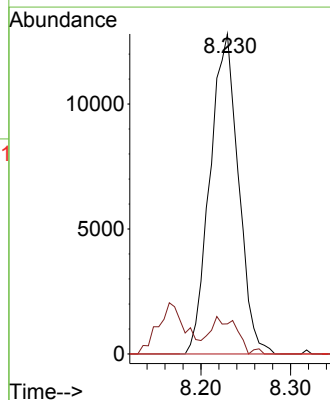
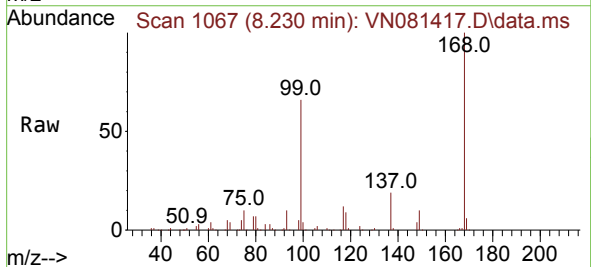
Instrument :  
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ClientSampleId :  
MW-2A

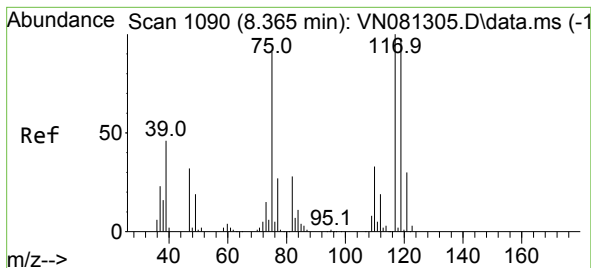
Tgt Ion:113 Resp: 175520  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.4  
192 15.7 12.5 18.7



#36  
1,1-Dichloropropene  
Concen: 5.139 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.147 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

Tgt Ion: 75 Resp: 28201  
Ion Ratio Lower Upper  
75 100  
110 11.0 16.0 48.0#  
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN081417.D

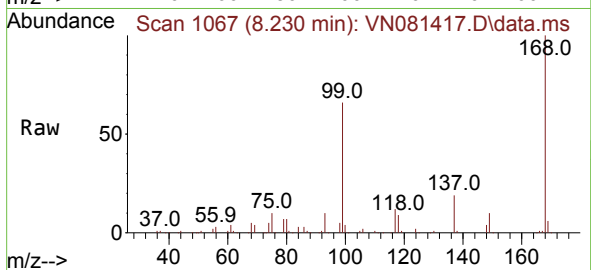
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Instrument :

MSVOA\_N

ClientSampleId :

MW-2A



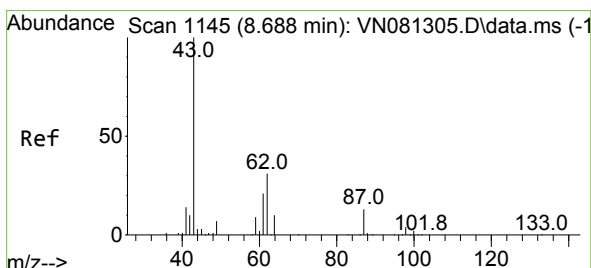
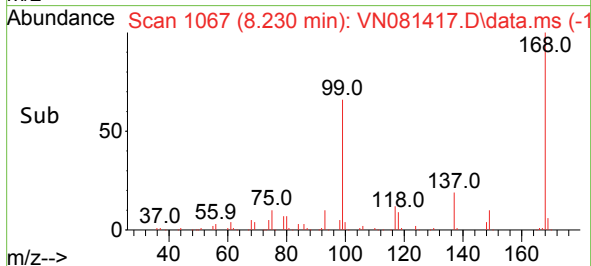
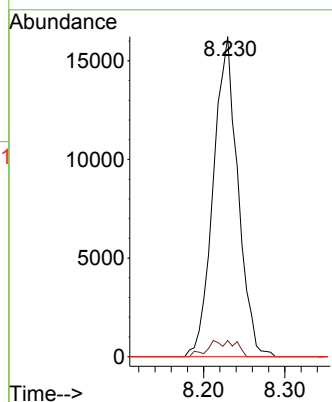
Tgt Ion:117 Resp: 34135

Ion Ratio Lower Upper

117 100

119 5.1 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 0.584 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.035 min

Lab File: VN081417.D

Acq: 14 Mar 2024 18:05

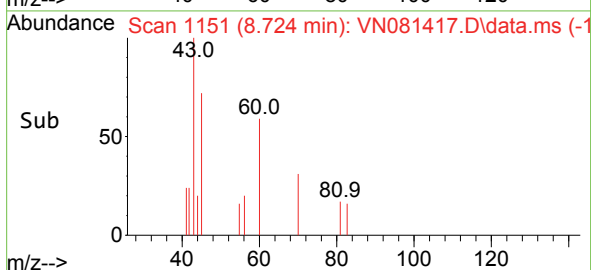
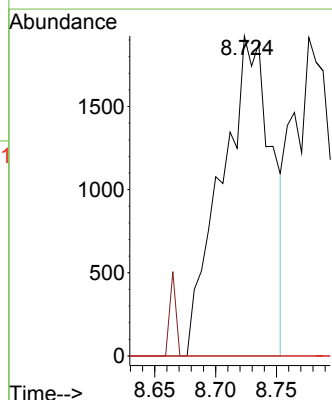
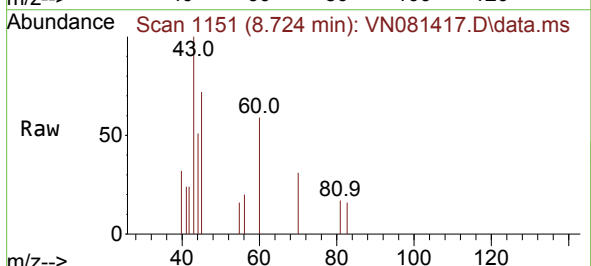
Tgt Ion: 43 Resp: 5483

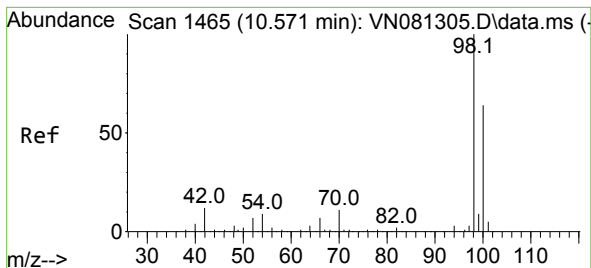
Ion Ratio Lower Upper

43 100

61 0.0 19.9 29.9#

87 0.0 9.0 13.6#





#50

Toluene-d8

Concen: 51.608 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081417.D

Acq: 14 Mar 2024 18:05

Instrument :

MSVOA\_N

ClientSampleId :

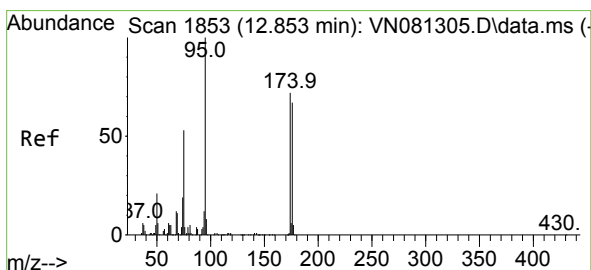
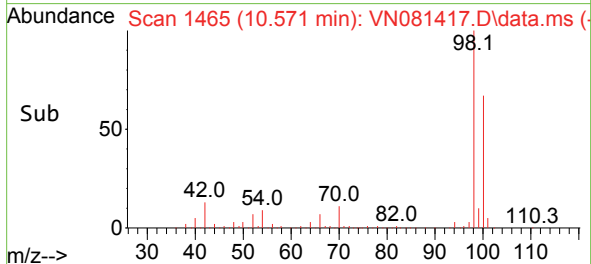
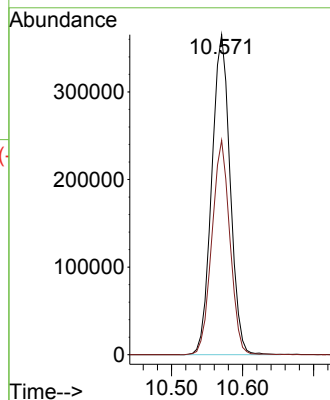
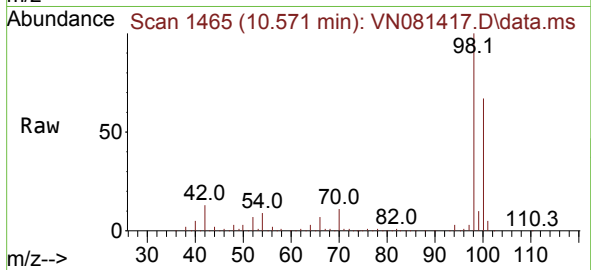
MW-2A

Tgt Ion: 98 Resp: 656245

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 45.450 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN081417.D

Acq: 14 Mar 2024 18:05

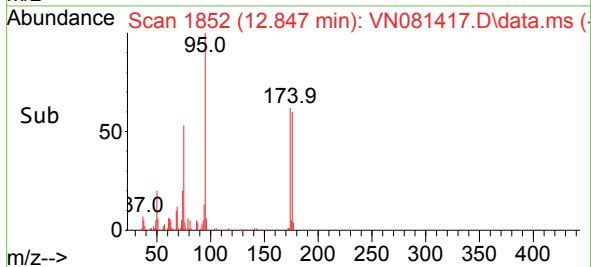
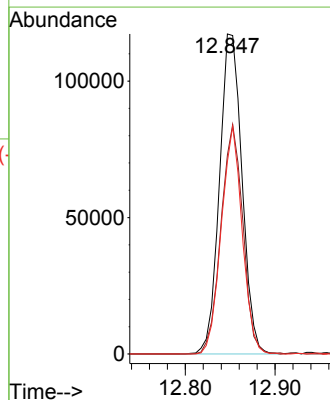
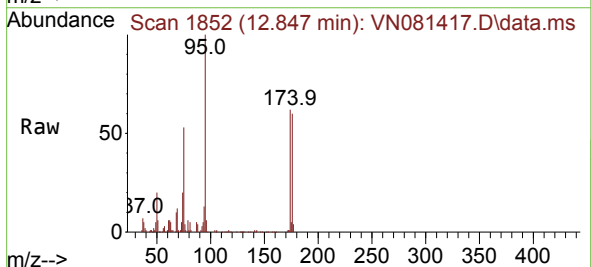
Tgt Ion: 95 Resp: 204267

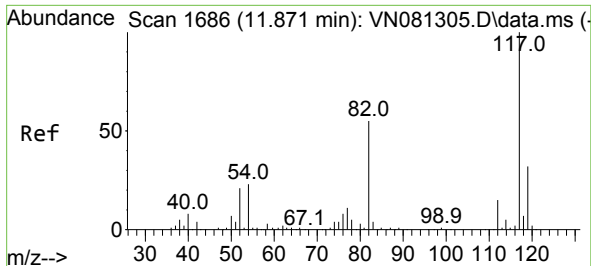
Ion Ratio Lower Upper

95 100

174 69.8 0.0 120.4

176 66.1 0.0 121.0

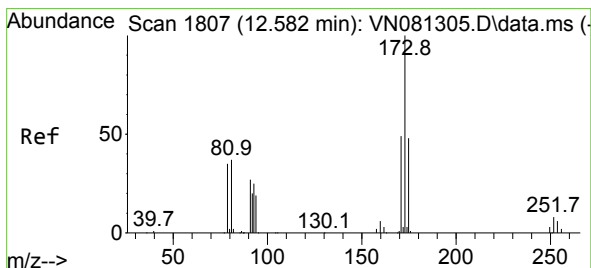
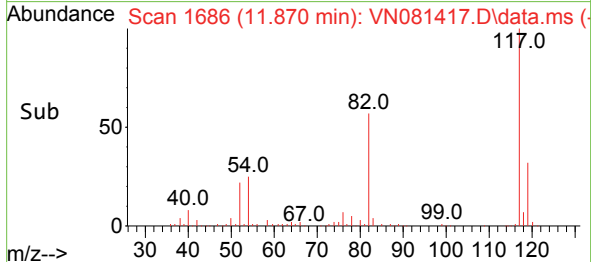
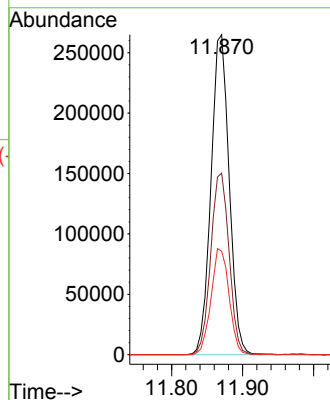
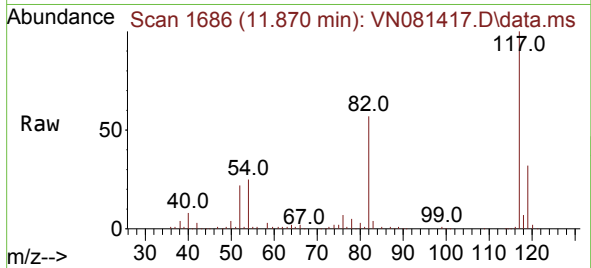




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

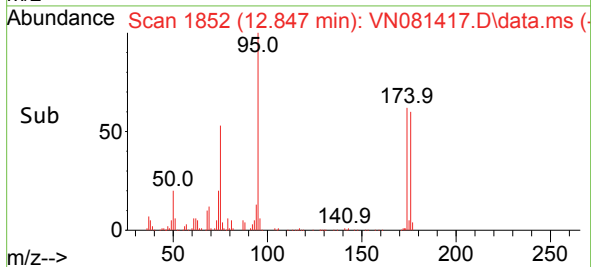
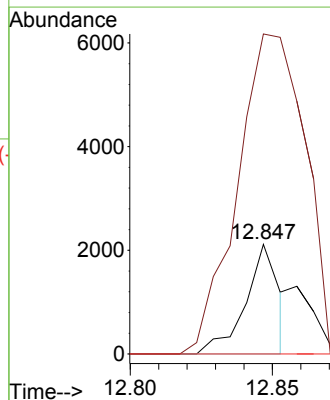
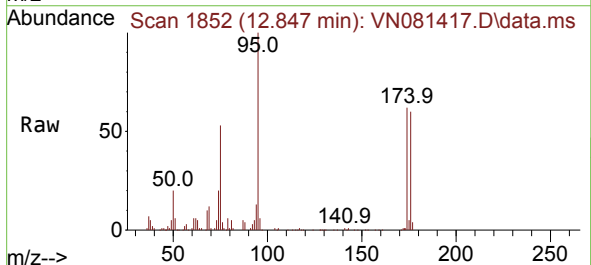
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2A

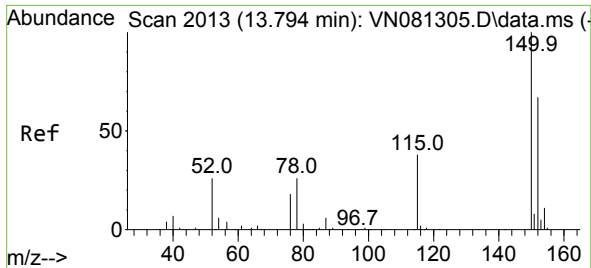
Tgt Ion:117 Resp: 470684  
Ion Ratio Lower Upper  
117 100  
82 56.8 52.7 79.1  
119 32.3 25.3 37.9



#71  
Bromoform  
Concen: 0.689 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.265 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

Tgt Ion:173 Resp: 1736  
Ion Ratio Lower Upper  
173 100  
175 519.1 23.1 69.2#  
254 0.0 0.0 0.0

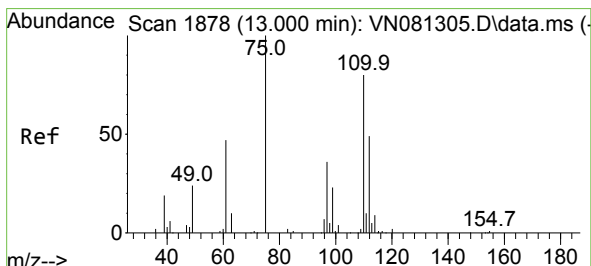
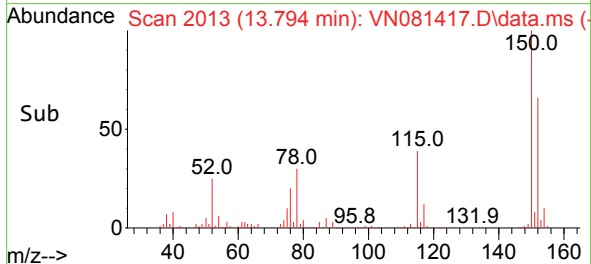
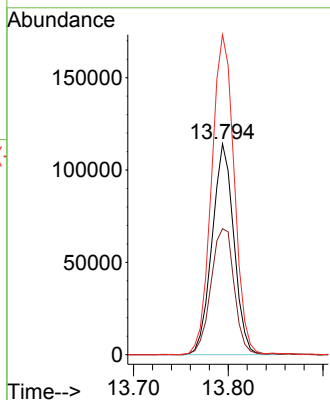
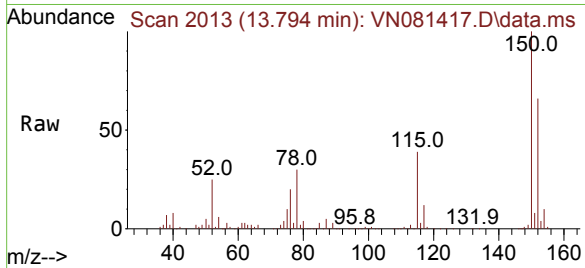




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. -0.000 min  
 Lab File: VN081417.D  
 Acq: 14 Mar 2024 18:05

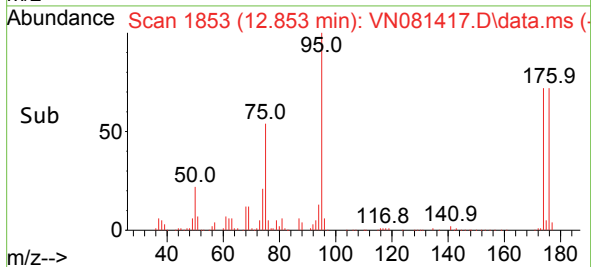
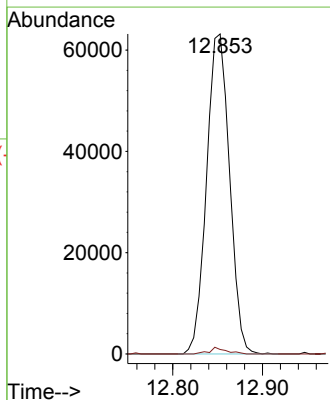
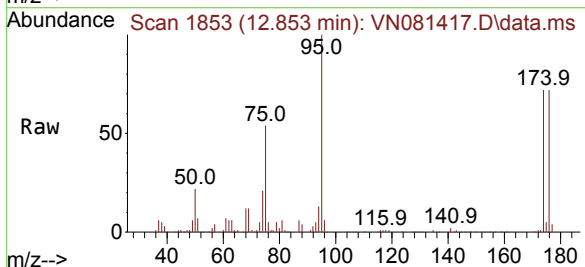
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2A

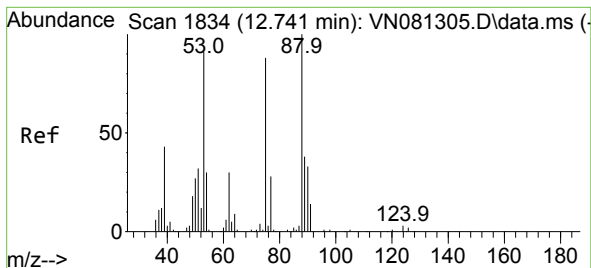
Tgt Ion:152 Resp: 182718  
 Ion Ratio Lower Upper  
 152 100  
 115 63.9 32.3 96.8  
 150 157.2 0.0 339.8



#76  
 1,2,3-Trichloropropane  
 Concen: 26.058 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. -0.147 min  
 Lab File: VN081417.D  
 Acq: 14 Mar 2024 18:05

Tgt Ion: 75 Resp: 112461  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 91.0 272.8#

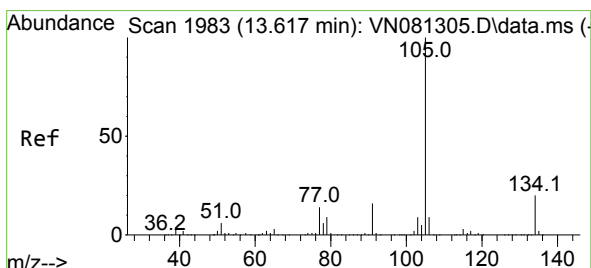
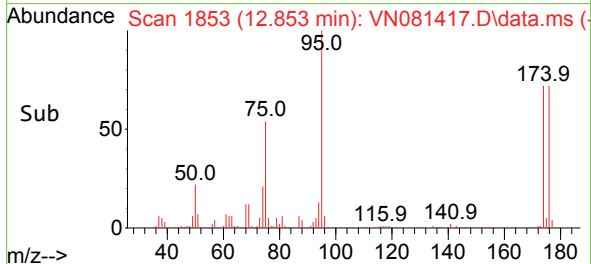
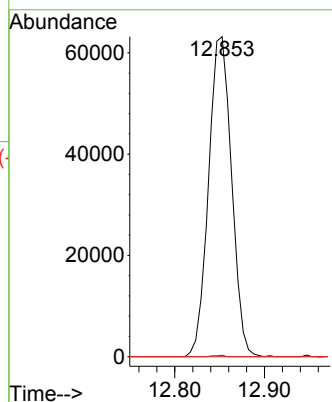
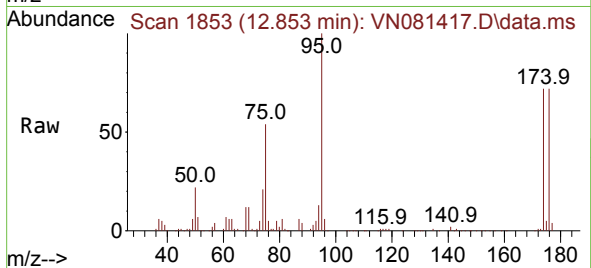




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.724 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.112 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

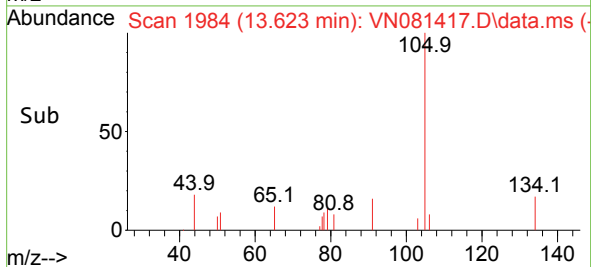
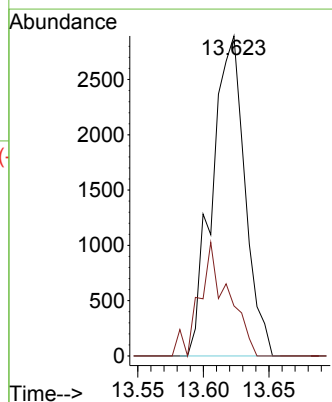
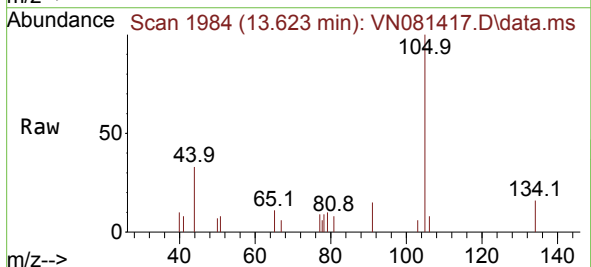
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2A

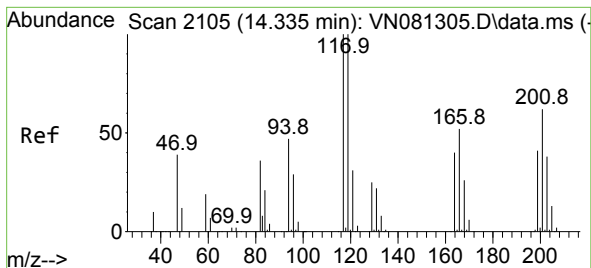
Tgt Ion: 75 Resp: 112461  
Ion Ratio Lower Upper  
75 100  
53 0.2 71.4 107.2#  
89 0.0 33.4 50.0#



#85  
sec-Butylbenzene  
Concen: 0.333 ug/l  
RT: 13.623 min Scan# 1984  
Delta R.T. 0.006 min  
Lab File: VN081417.D  
Acq: 14 Mar 2024 18:05

Tgt Ion: 105 Resp: 5038  
Ion Ratio Lower Upper  
105 100  
134 31.4 8.6 25.8#





#90

Hexachloroethane

Concen: 0.875 ug/l

RT: 14.394 min Scan# 2105

Delta R.T. 0.059 min

Lab File: VN081417.D

Acq: 14 Mar 2024 18:05

Instrument :

MSVOA\_N

ClientSampleId :

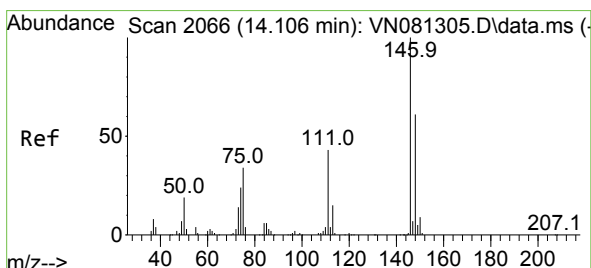
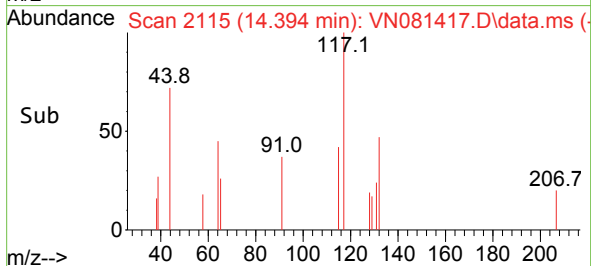
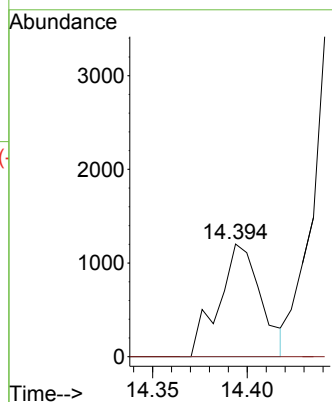
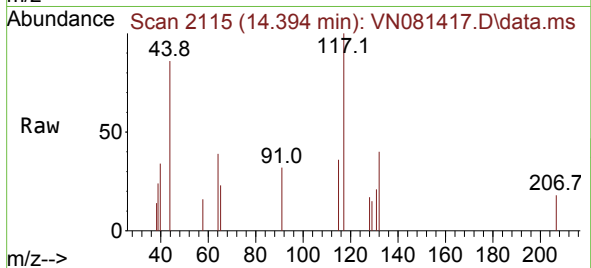
MW-2A

Tgt Ion:117 Resp: 1859

Ion Ratio Lower Upper

117 100

201 0.0 30.0 90.0#



#91

1,2-Dichlorobenzene

Concen: 0.366 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN081417.D

Acq: 14 Mar 2024 18:05

Tgt Ion:146 Resp: 2317

Ion Ratio Lower Upper

146 100

111 56.8 23.9 71.8

148 26.5 31.4 94.0#

