

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042922\  
 Data File : VN072278.D  
 Acq On : 29 Apr 2022 18:34  
 Operator : JC\MD  
 Sample : N2617-10  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-13RE

Quant Time: Apr 30 03:16:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 26 18:50:11 2022  
 Response via : Initial Calibration

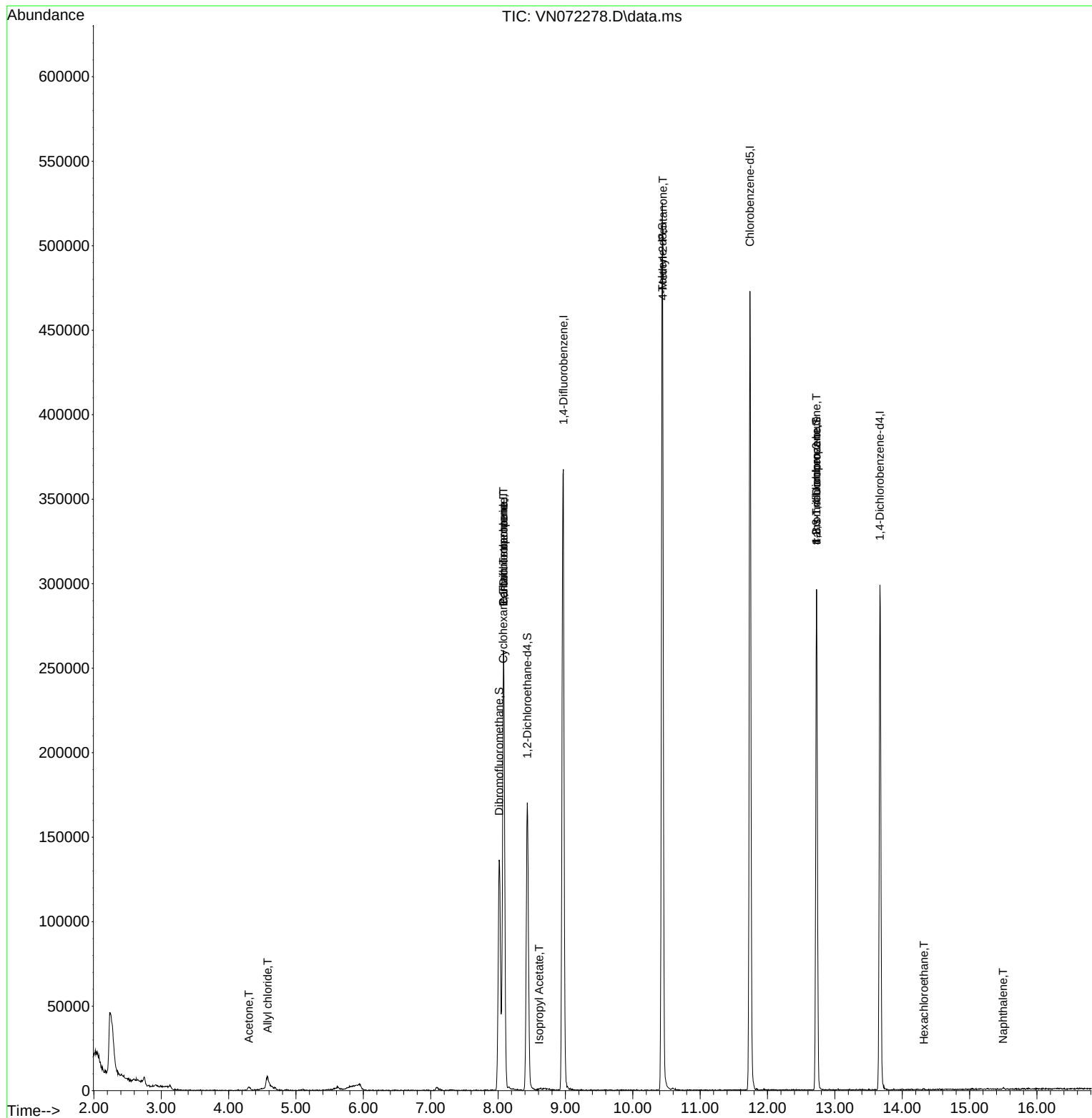
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.081     | 168   | 180592   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.969     | 114   | 307863   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.739    | 117   | 259013   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668    | 152   | 77814    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.433     | 65    | 156265   | 56.363    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery  | = 112.720% |          |
| 35) Dibromofluoromethane      | 8.016     | 113   | 99283    | 50.385    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery  | = 100.760% |          |
| 50) Toluene-d8                | 10.439    | 98    | 357208   | 46.134    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery  | = 92.260%  |          |
| 62) 4-Bromofluorobenzene      | 12.727    | 95    | 104825   | 40.788    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery  | = 81.580%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.299     | 50    | 1183     | Below Cal | #          | 43       |
| 6) Chloroethane               | 3.010     | 64    | 162      | Below Cal | #          | 42       |
| 14) Allyl chloride            | 4.581     | 41    | 1099     | 0.307     | ug/l #     | 55       |
| 16) Acetone                   | 4.298     | 43    | 1833     | 1.533     | ug/l #     | 42       |
| 31) Cyclohexane               | 8.075     | 56    | 4610     | 1.244     | ug/l #     | 21       |
| 36) 1,1-Dichloropropene       | 8.081     | 75    | 16539    | 5.766     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.081     | 117   | 21114    | 6.873     | ug/l #     | 15       |
| 43) Isopropyl Acetate         | 8.610     | 43    | 897      | 0.949     | ug/l #     | 53       |
| 51) 4-Methyl-2-Pentanone      | 10.445    | 43    | 1421     | 0.395     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727    | 75    | 61045    | 34.800    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727    | 75    | 61045    | 90.709    | ug/l #     | 10       |
| 90) Hexachloroethane          | 14.321    | 117   | 400      | 0.361     | ug/l #     | 9        |
| 95) Naphthalene               | 15.498    | 128   | 1176     | 4.566     | ug/l #     | 69       |
| -----                         |           |       |          |           |            |          |

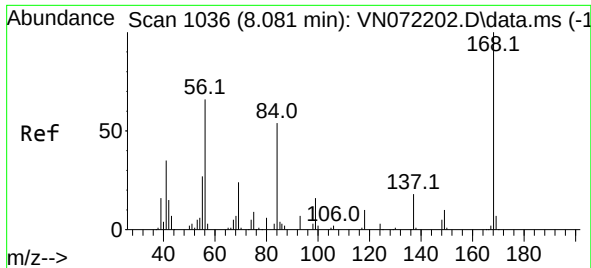
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 26 18:50:11 2022  
Response via : Initial Calibration

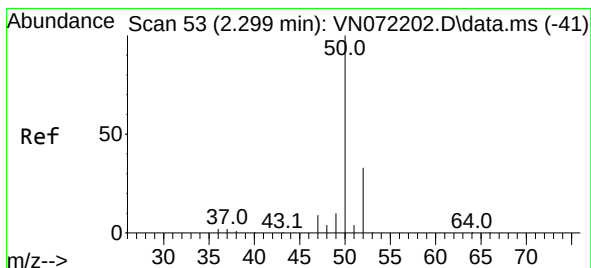
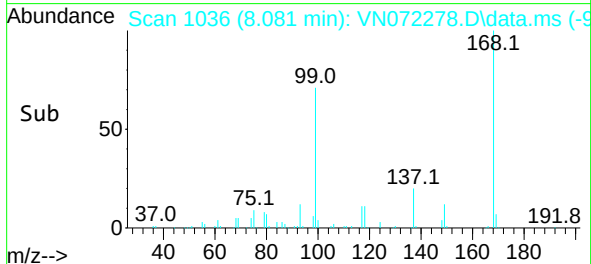
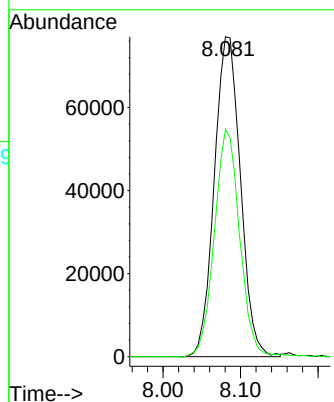
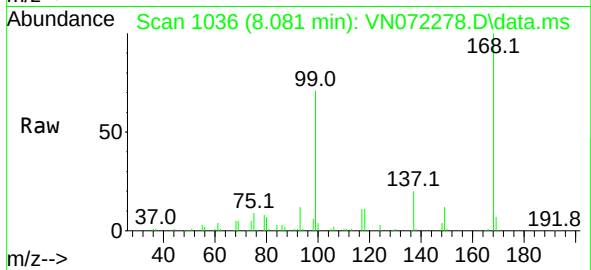




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

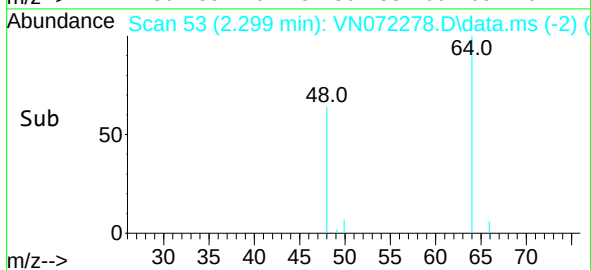
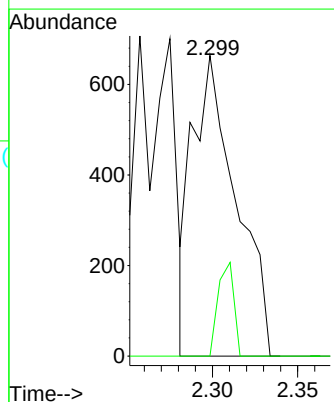
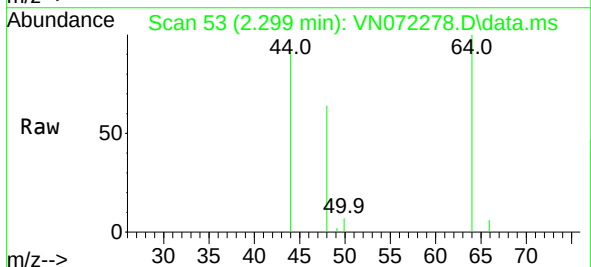
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13RE

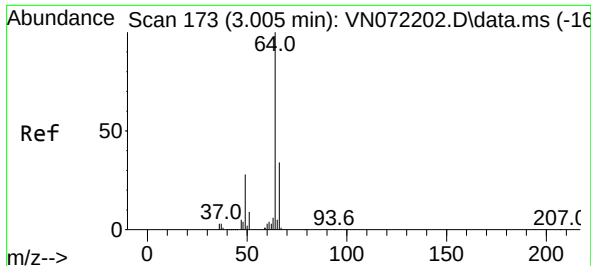
Tgt Ion:168 Resp: 180592  
Ion Ratio Lower Upper  
168 100  
99 71.0 42.3 63.5#



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.299 min Scan# 53  
Delta R.T. -0.000 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

Tgt Ion: 50 Resp: 1183  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

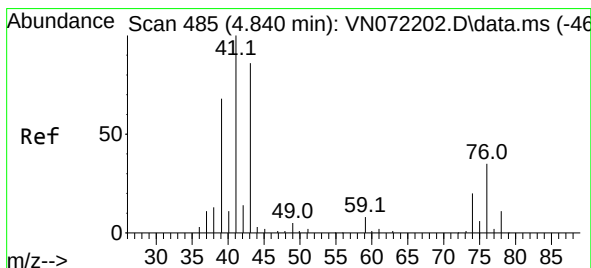
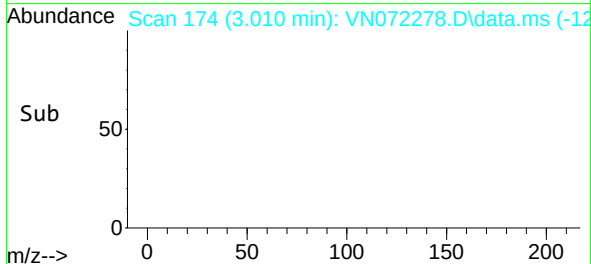
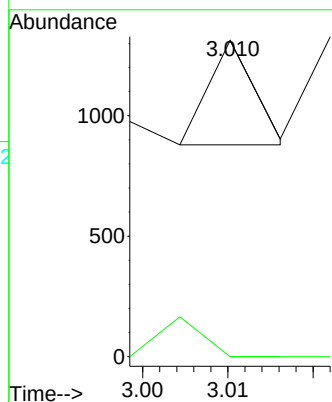
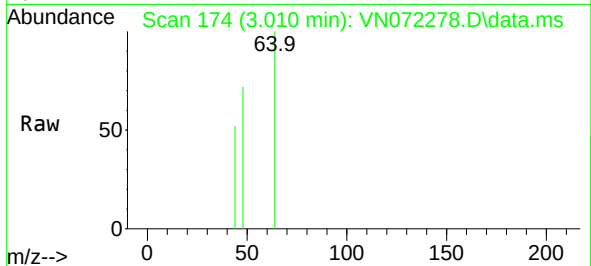




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.010 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

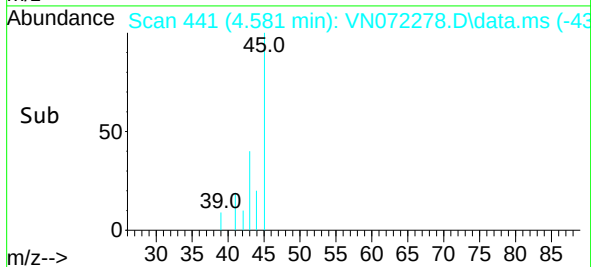
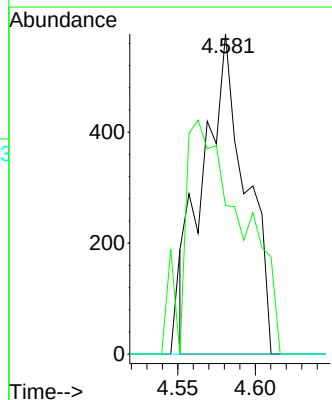
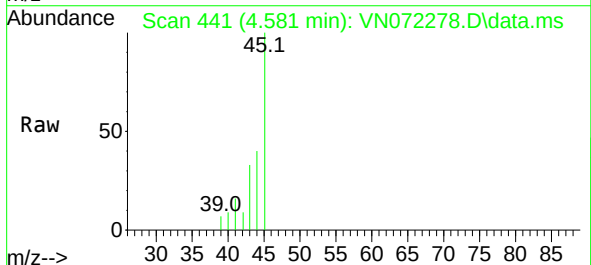
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13RE

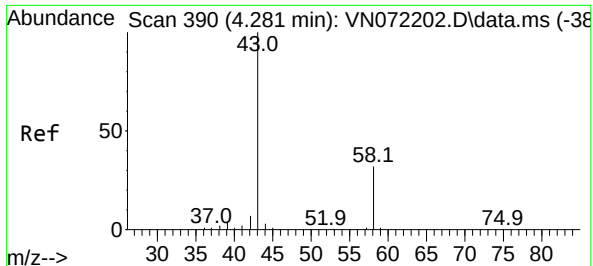
Tgt Ion: 64 Resp: 162  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#14  
Allyl chloride  
Concen: 0.307 ug/l  
RT: 4.581 min Scan# 441  
Delta R.T. -0.259 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

Tgt Ion: 41 Resp: 1099  
Ion Ratio Lower Upper  
41 100  
39 94.0 53.2 79.8#  
76 0.0 29.9 44.9#





#16

Acetone

Concen: 1.533 ug/l

RT: 4.298 min Scan# 390

Delta R.T. 0.017 min

Lab File: VN072278.D

Acq: 29 Apr 2022 18:34

Instrument :

MSVOA\_N

ClientSampleId :

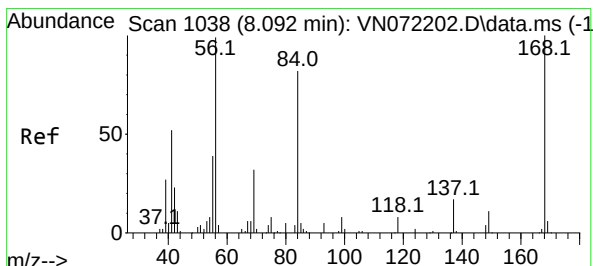
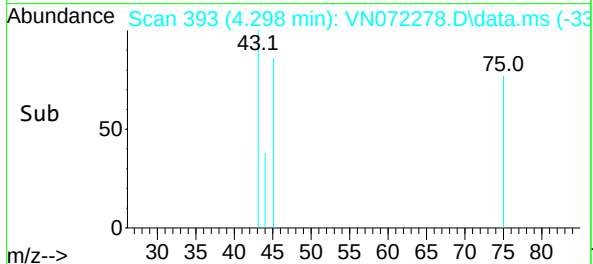
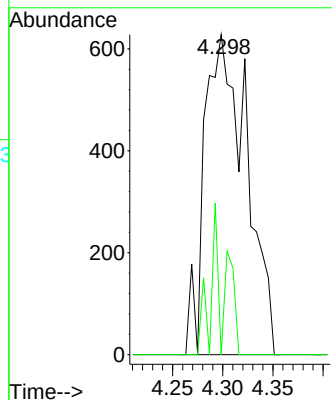
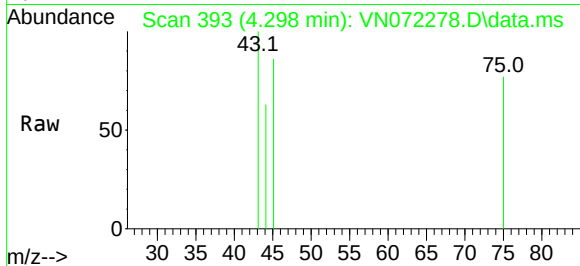
MW-13RE

Tgt Ion: 43 Resp: 1833

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#31

Cyclohexane

Concen: 1.244 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072278.D

Acq: 29 Apr 2022 18:34

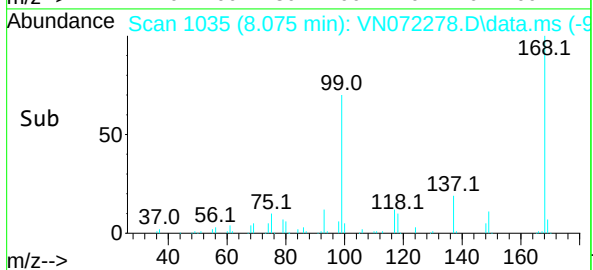
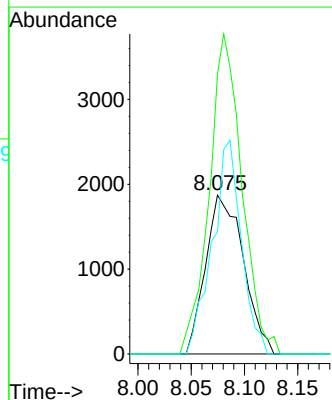
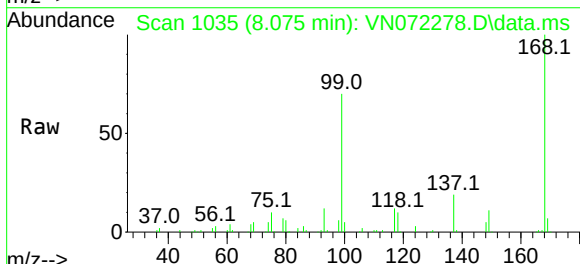
Tgt Ion: 56 Resp: 4610

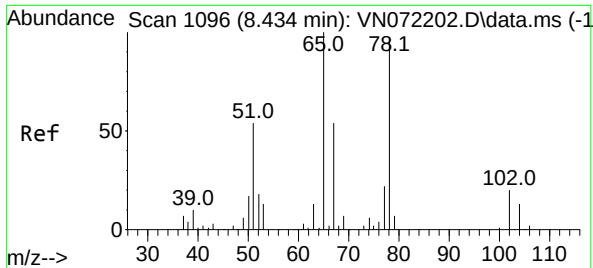
Ion Ratio Lower Upper

56 100

69 176.0 27.8 41.8#

84 76.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 56.363 ug/l

RT: 8.433 min Scan# 110

Delta R.T. -0.001 min

Lab File: VN072278.D

Acq: 29 Apr 2022 18:34

Instrument :

MSVOA\_N

ClientSampleId :

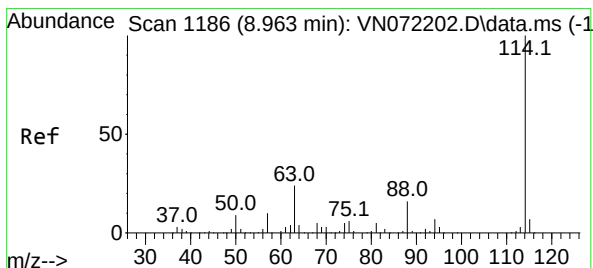
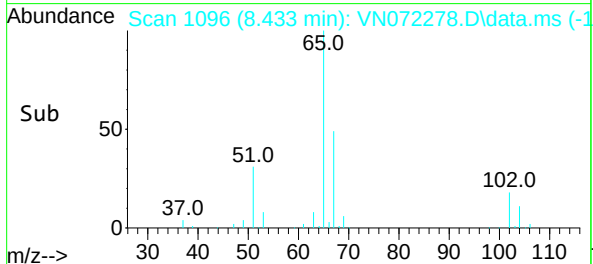
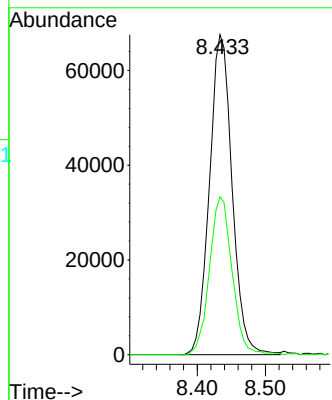
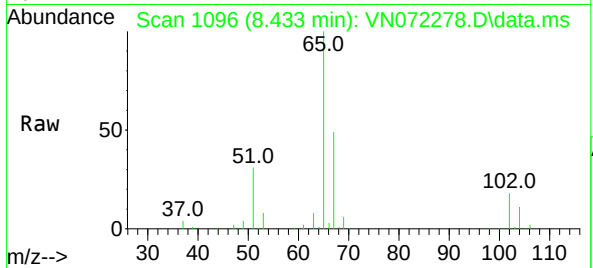
MW-13RE

Tgt Ion: 65 Resp: 156265

Ion Ratio Lower Upper

65 100

67 49.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN072278.D

Acq: 29 Apr 2022 18:34

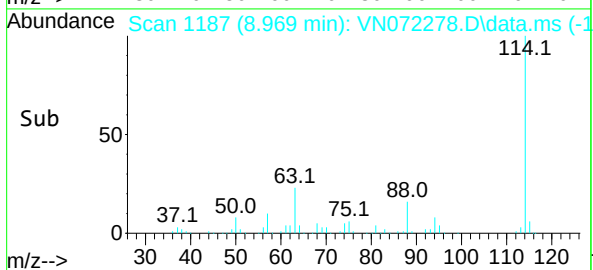
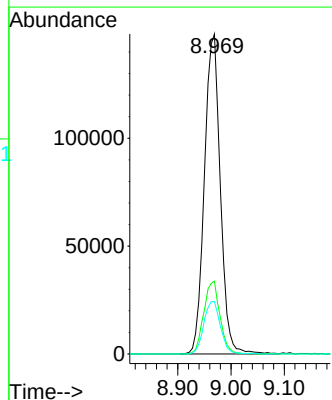
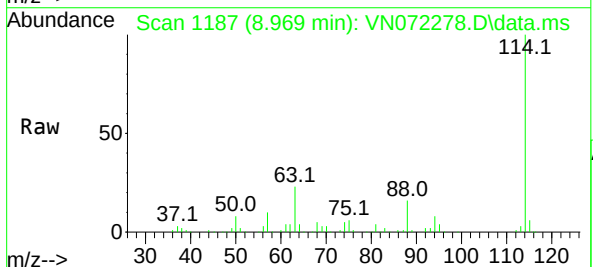
Tgt Ion: 114 Resp: 307863

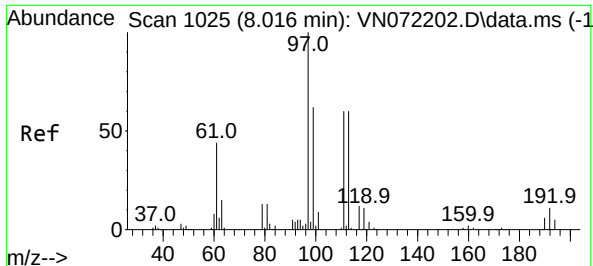
Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.0

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.385 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072278.D

Acq: 29 Apr 2022 18:34

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ClientSampleId :

MW-13RE

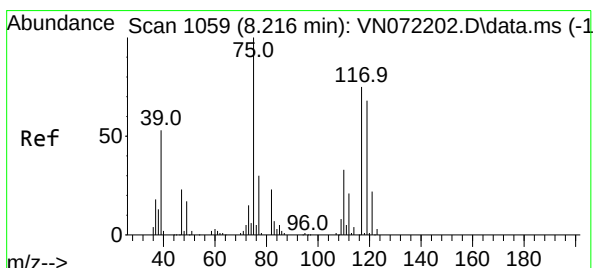
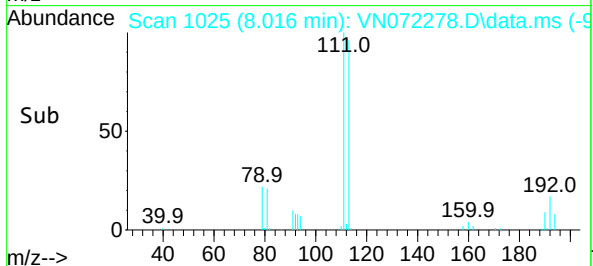
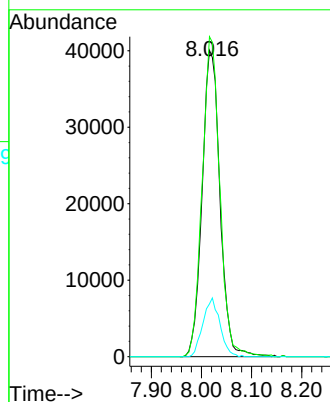
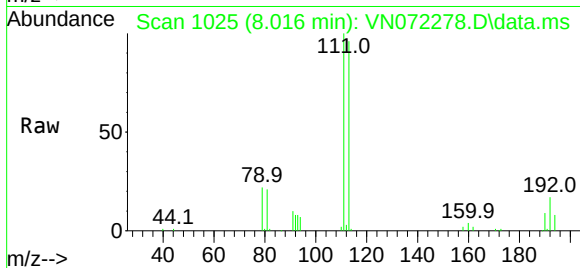
Tgt Ion:113 Resp: 99283

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 18.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.766 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072278.D

Acq: 29 Apr 2022 18:34

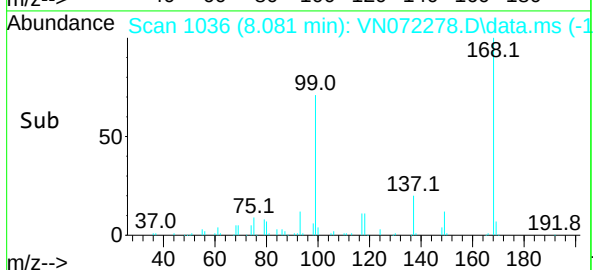
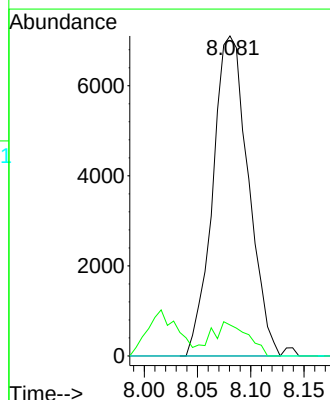
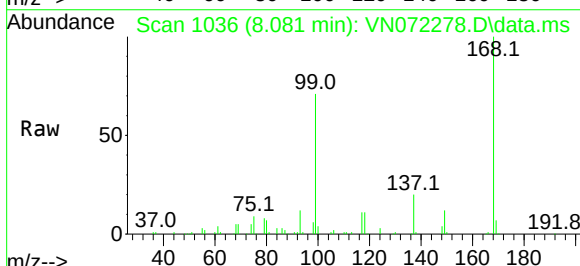
Tgt Ion: 75 Resp: 16539

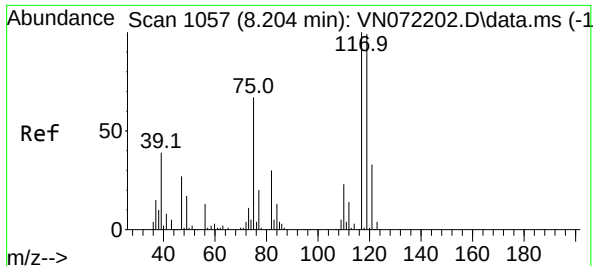
Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.8#

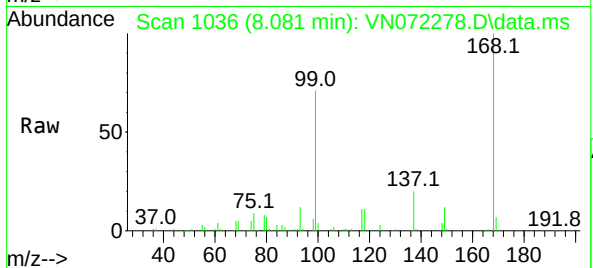
77 0.0 25.1 37.7#



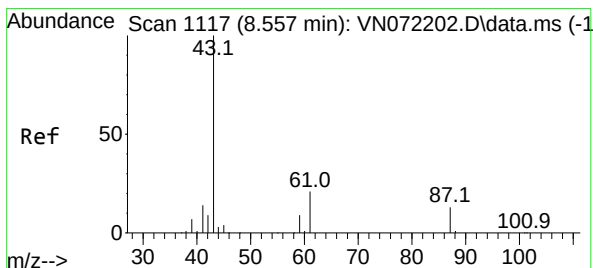
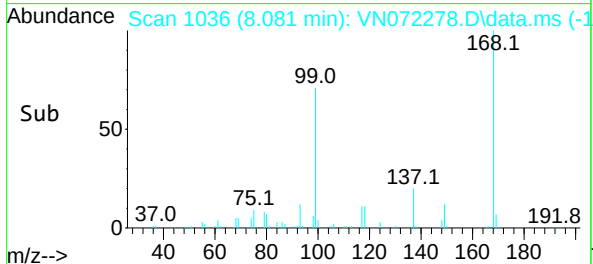
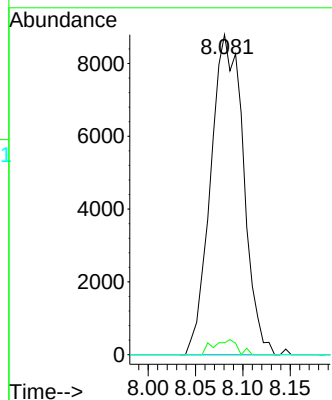


#38  
Carbon Tetrachloride  
Concen: 6.873 ug/l  
RT: 8.081 min Scan# 1107  
Delta R.T. -0.123 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

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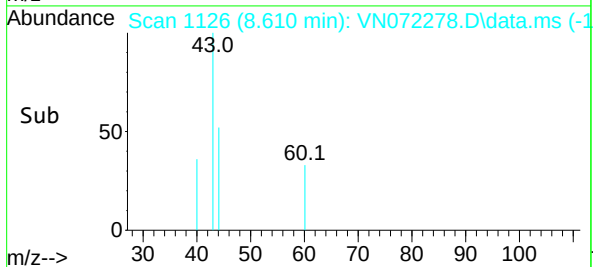
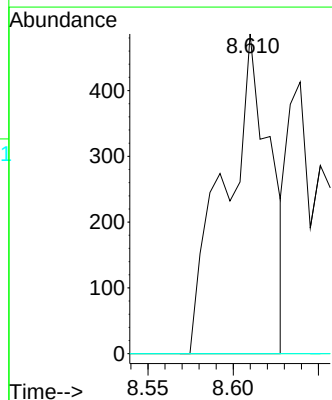
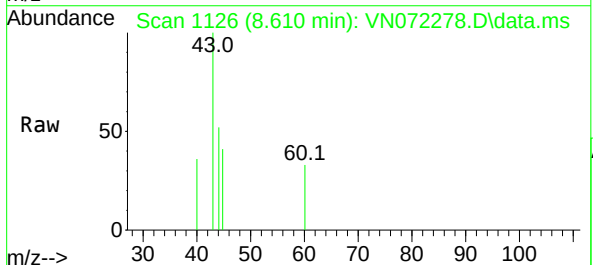


Tgt Ion: 117 Resp: 21114  
Ion Ratio Lower Upper  
117 100  
119 3.7 75.8 113.8#  
121 0.0 24.6 37.0#

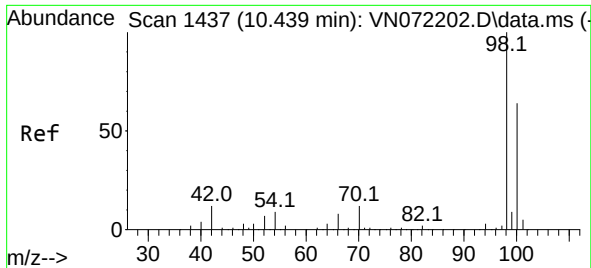


#43  
Isopropyl Acetate  
Concen: 0.949 ug/l  
RT: 8.610 min Scan# 1126  
Delta R.T. 0.053 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

Tgt Ion: 43 Resp: 897  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#



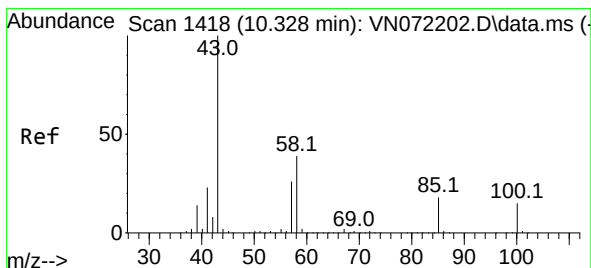
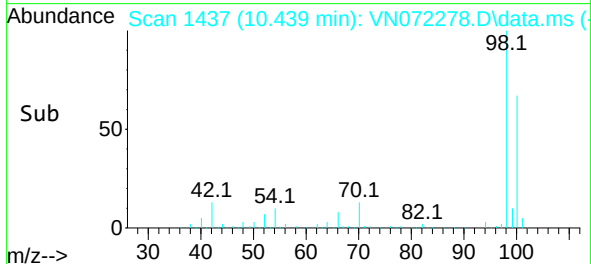
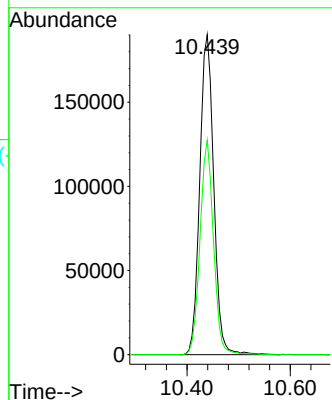
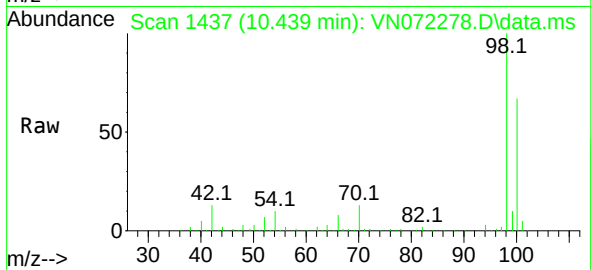




#50  
Toluene-d8  
Concen: 46.134 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

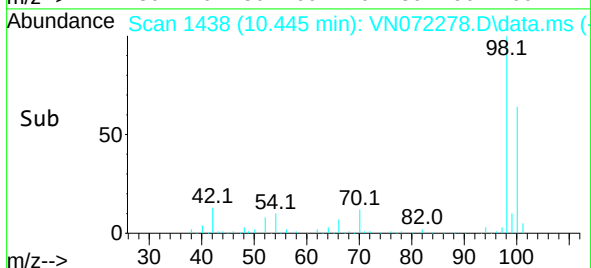
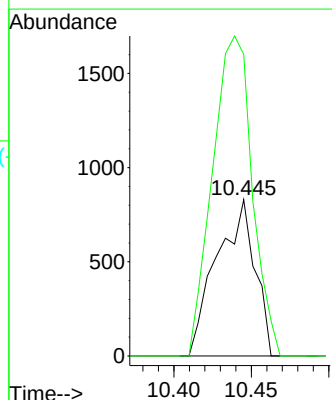
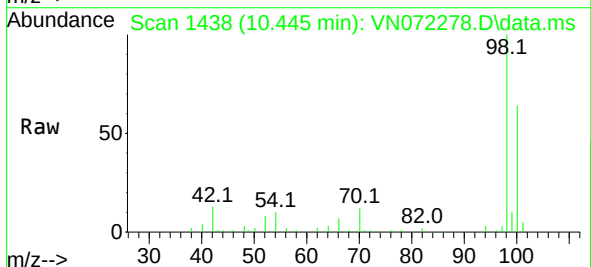
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13RE

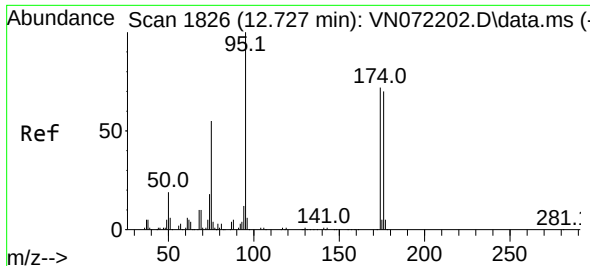
Tgt Ion: 98 Resp: 357208  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.395 ug/l  
RT: 10.445 min Scan# 1438  
Delta R.T. 0.117 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

Tgt Ion: 43 Resp: 1421  
Ion Ratio Lower Upper  
43 100  
58 213.2 34.1 51.1#

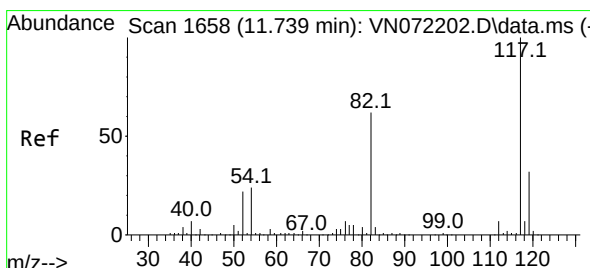
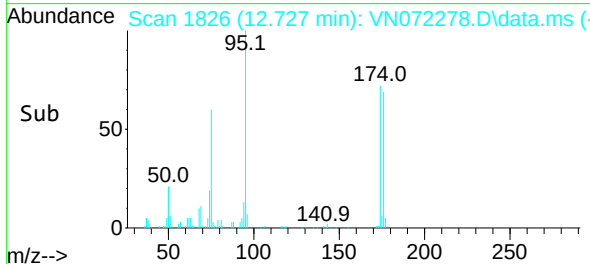
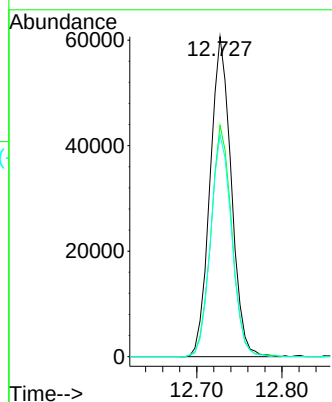
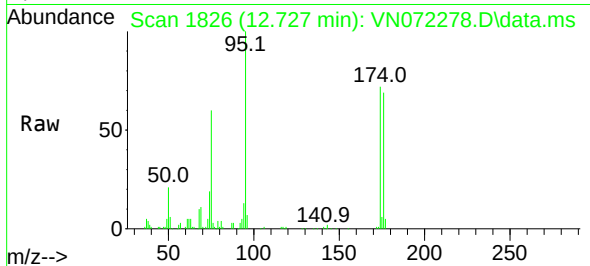




#62  
4-Bromofluorobenzene  
Concen: 40.788 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

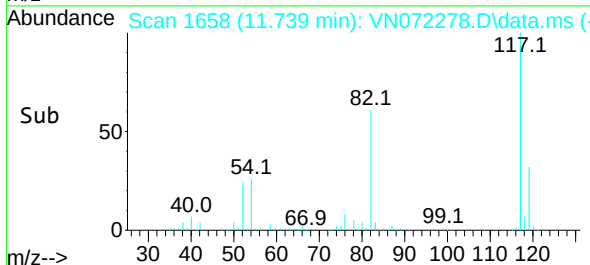
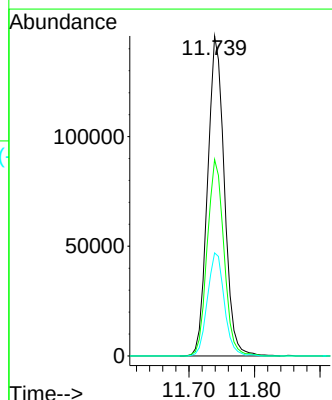
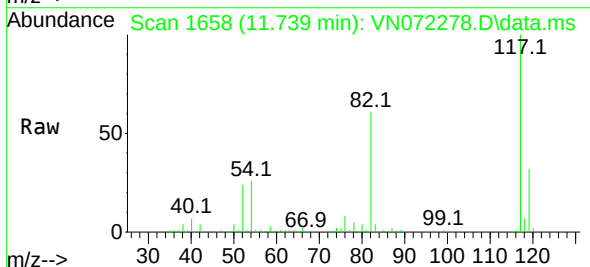
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13RE

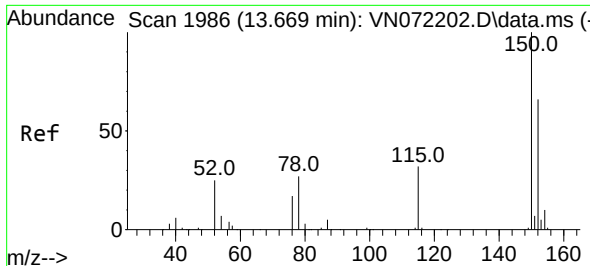
Tgt Ion: 95 Resp: 104825  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 167.6  
176 69.4 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

Tgt Ion: 117 Resp: 259013  
Ion Ratio Lower Upper  
117 100  
82 61.4 44.2 66.2  
119 32.2 25.4 38.0

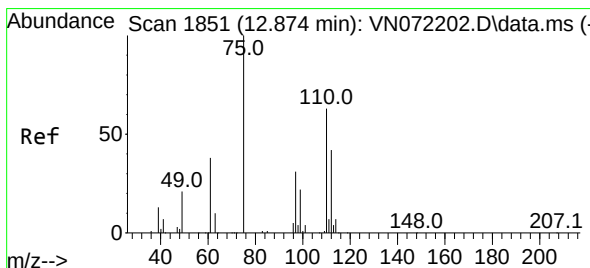
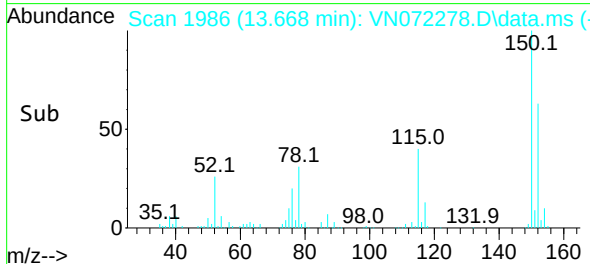
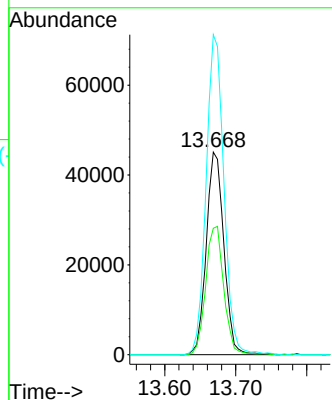
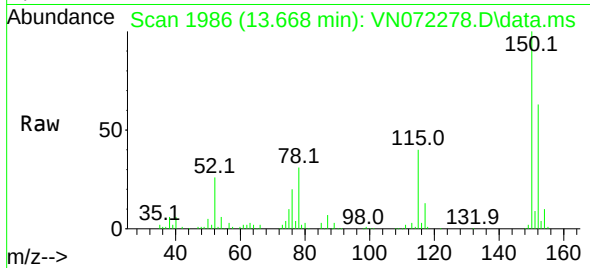




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.668 min Scan# 1986  
 Delta R.T. -0.001 min  
 Lab File: VN072278.D  
 Acq: 29 Apr 2022 18:34

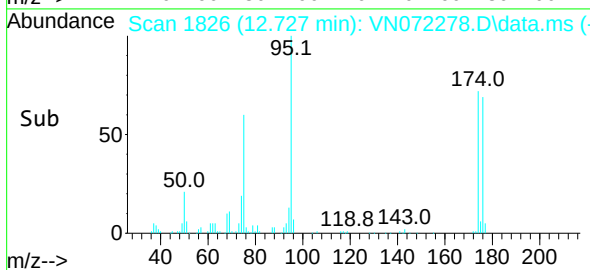
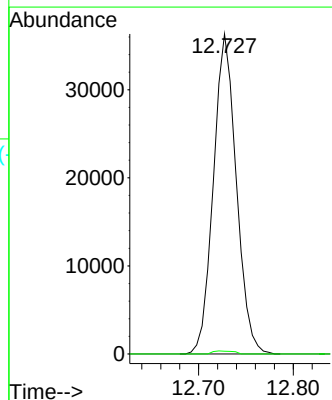
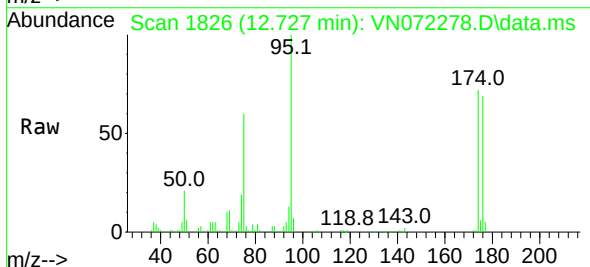
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-13RE

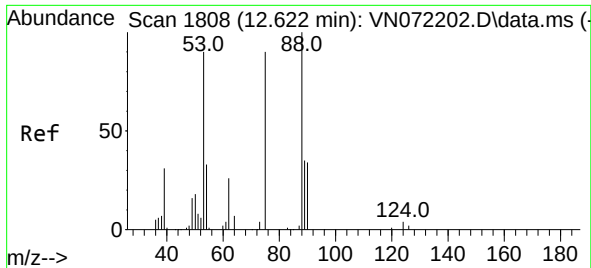
Tgt Ion:152 Resp: 77814  
 Ion Ratio Lower Upper  
 152 100  
 115 65.1 28.9 86.7  
 150 159.3 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 34.800 ug/l  
 RT: 12.727 min Scan# 1826  
 Delta R.T. -0.147 min  
 Lab File: VN072278.D  
 Acq: 29 Apr 2022 18:34

Tgt Ion: 75 Resp: 61045  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 98.5 295.5#

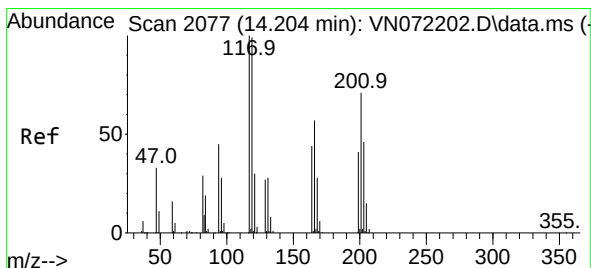
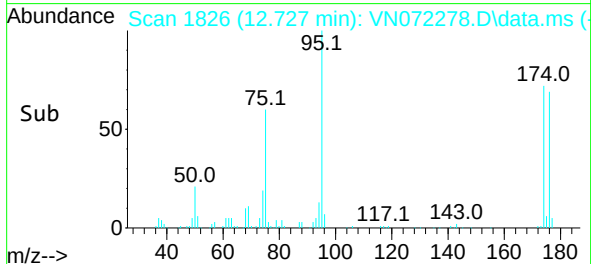
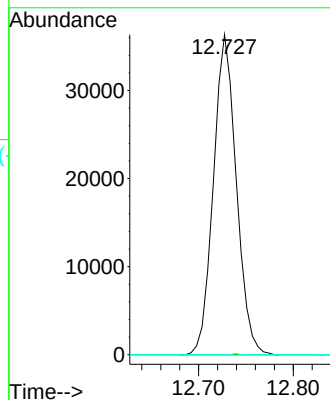
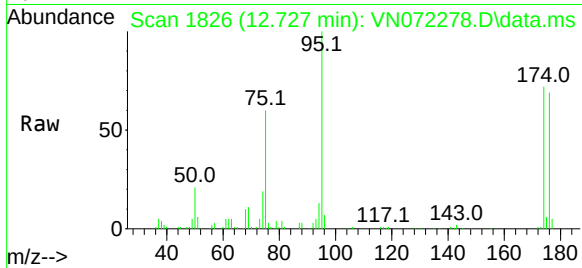




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.709 ug/l  
 RT: 12.727 min Scan# 1808  
 Delta R.T. 0.105 min  
 Lab File: VN072278.D  
 Acq: 29 Apr 2022 18:34

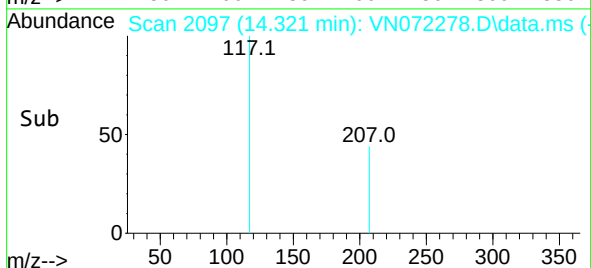
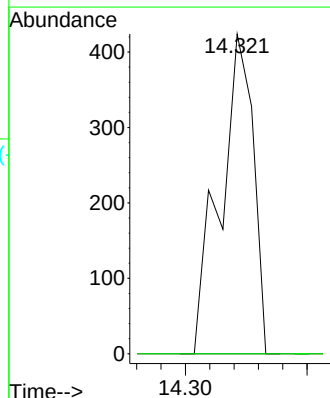
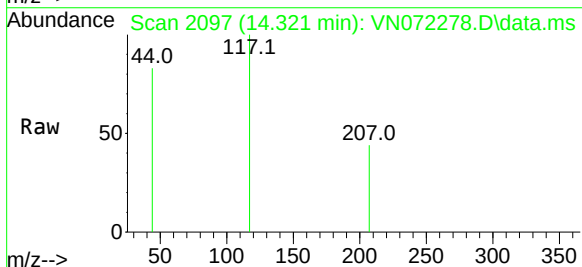
Instrument :  
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 ClientSampleId :  
 MW-13RE

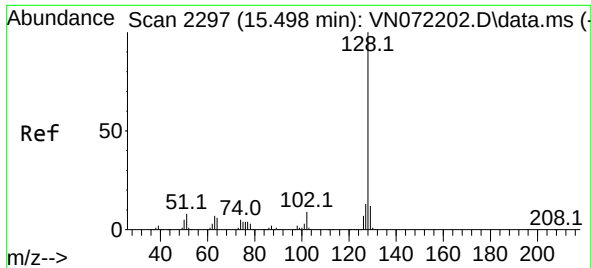
Tgt Ion: 75 Resp: 61045  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.0 117.0#  
 89 0.1 37.2 55.8#



#90  
 Hexachloroethane  
 Concen: 0.361 ug/l  
 RT: 14.321 min Scan# 2097  
 Delta R.T. 0.117 min  
 Lab File: VN072278.D  
 Acq: 29 Apr 2022 18:34

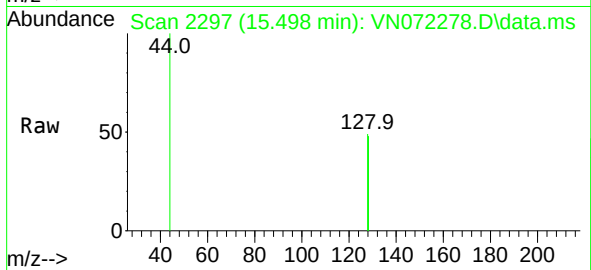
Tgt Ion: 117 Resp: 400  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 40.6 122.0#





#95  
Naphthalene  
Concen: 4.566 ug/l  
RT: 15.498 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN072278.D  
Acq: 29 Apr 2022 18:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-13RE



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.3  | 15.5# |
| 129     | 0.0   | 8.6   | 13.0# |

