

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072522\  
 Data File : VN073580.D  
 Acq On : 25 Jul 2022 15:33  
 Operator : JC\MD  
 Sample : N3771-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

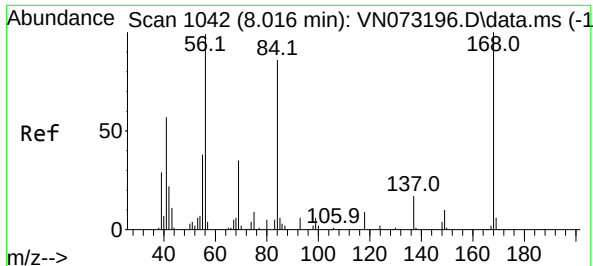
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11F

Quant Time: Jul 26 02:17:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.016  | 168   | 240909   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904  | 114   | 392973   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686 | 117   | 373553   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.616 | 152   | 179895   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.375  | 65    | 155116   | 44.602   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 89.200%  |
| 35) Dibromofluoromethane     | 7.951  | 113   | 134773   | 51.548   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 103.100% |
| 50) Toluene-d8               | 10.380 | 98    | 422274   | 45.475   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 90.960%  |
| 62) 4-Bromofluorobenzene     | 12.674 | 95    | 176018   | 49.325   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 98.660%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.151  | 101   | 2532     | 0.853    | ug/l   | 93       |
| 12) 1,1-Dichloroethene       | 4.122  | 96    | 2969     | 1.047    | ug/l # | 80       |
| 16) Acetone                  | 4.234  | 43    | 5176     | 2.651    | ug/l   | 100      |
| 30) Chloroform               | 7.745  | 83    | 73467    | 12.644   | ug/l   | 97       |
| 44) Trichloroethene          | 9.151  | 130   | 5982     | 1.893    | ug/l   | 85       |
| 47) Bromodichloromethane     | 9.704  | 83    | 13166    | 3.164    | ug/l # | 83       |
| 52) Toluene                  | 10.445 | 92    | 1672     | 0.218    | ug/l   | 93       |
| 60) Dibromochloromethane     | 11.180 | 129   | 2397     | 0.796    | ug/l   | 82       |
| 64) Tetrachloroethene        | 10.916 | 164   | 1375     | 0.451    | ug/l   | 93       |
| -----                        |        |       |          |          |        |          |

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

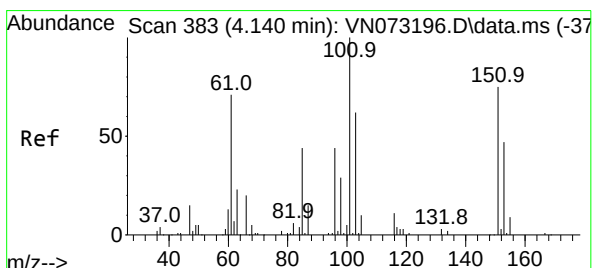
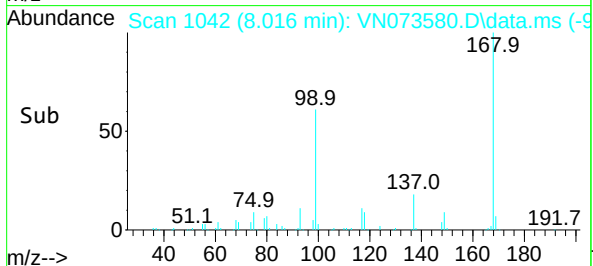
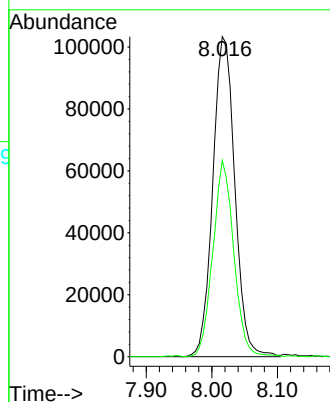
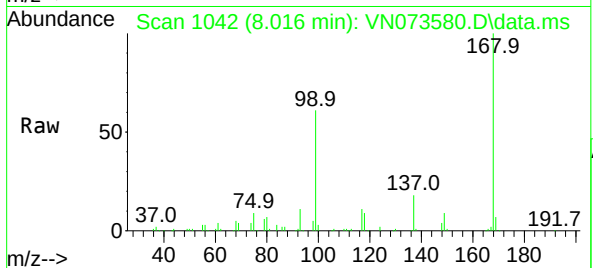




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

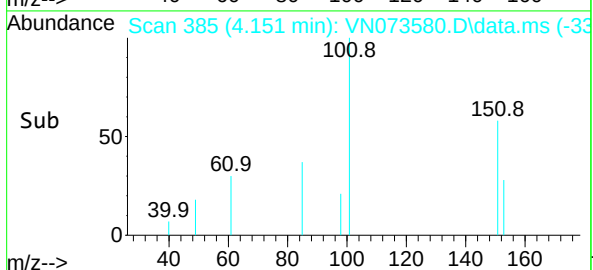
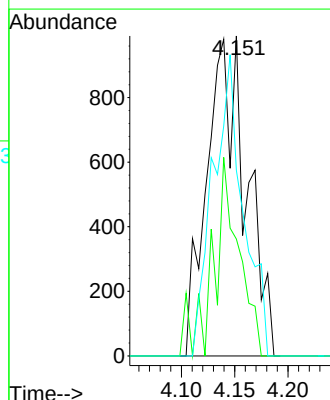
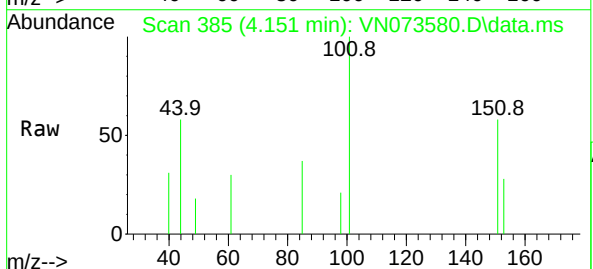
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MSVOA\_N  
ClientSampleId :  
MW-11F

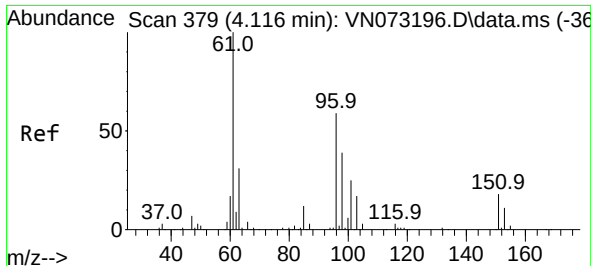
Tgt Ion:168 Resp: 240909  
Ion Ratio Lower Upper  
168 100  
99 61.1 42.3 63.5



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.853 ug/l  
RT: 4.151 min Scan# 385  
Delta R.T. 0.011 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

Tgt Ion:101 Resp: 2532  
Ion Ratio Lower Upper  
101 100  
85 38.0 34.7 52.1  
151 72.8 63.0 94.4





#12

1,1-Dichloroethene

Concen: 1.047 ug/l

RT: 4.122 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN073580.D

Acq: 25 Jul 2022 15:33

Instrument :

MSVOA\_N

ClientSampleId :

MW-11F

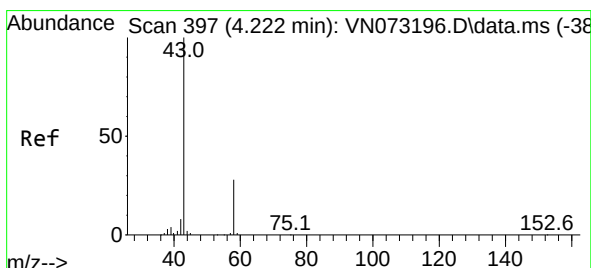
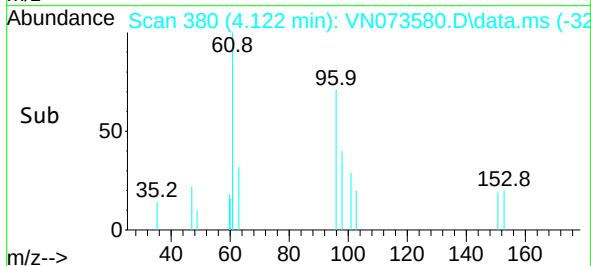
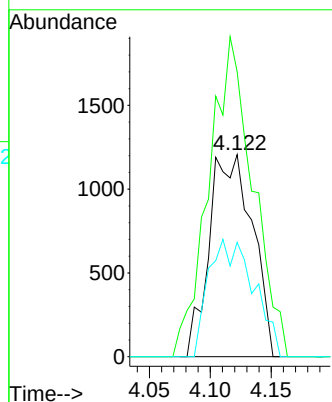
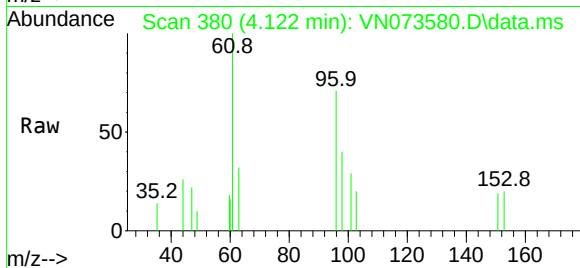
Tgt Ion: 96 Resp: 2969

Ion Ratio Lower Upper

96 100

61 127.1 127.6 191.4#

98 56.6 51.2 76.8



#16

Acetone

Concen: 2.651 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN073580.D

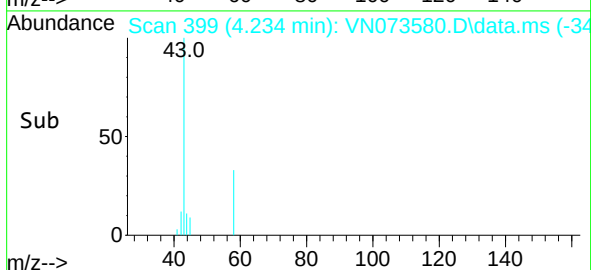
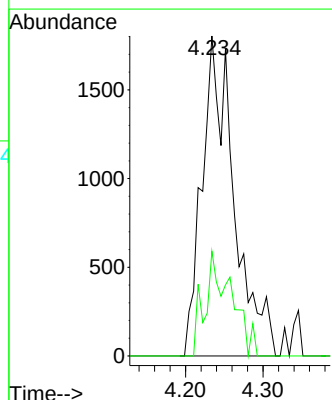
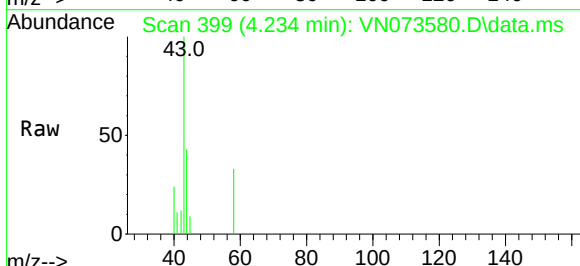
Acq: 25 Jul 2022 15:33

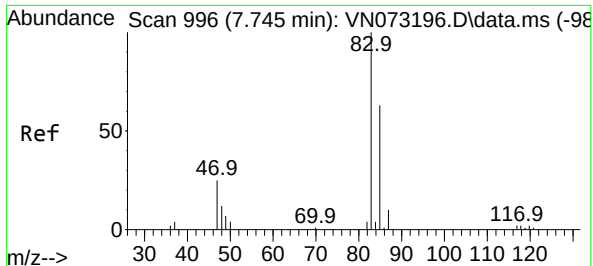
Tgt Ion: 43 Resp: 5176

Ion Ratio Lower Upper

43 100

58 32.8 26.0 39.0

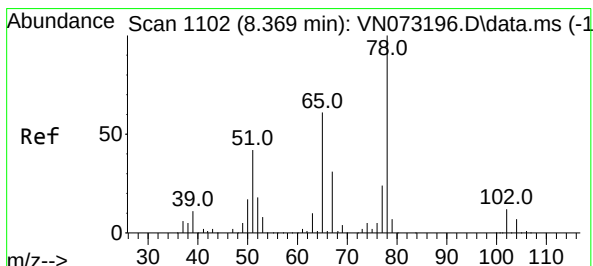
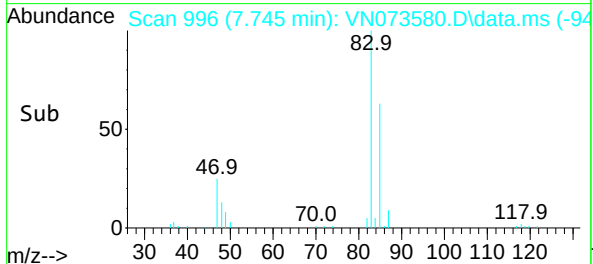
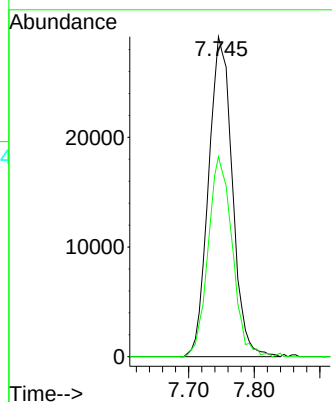
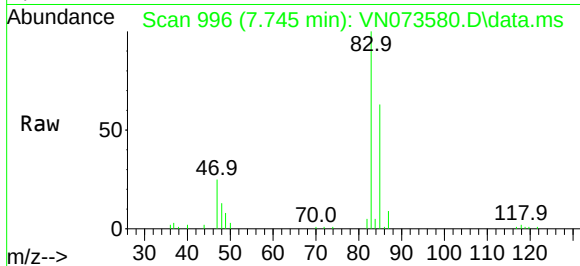




#30  
Chloroform  
Concen: 12.644 ug/l  
RT: 7.745 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

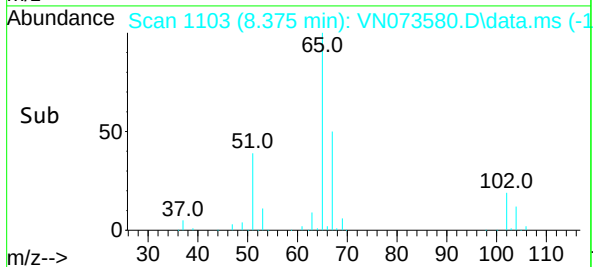
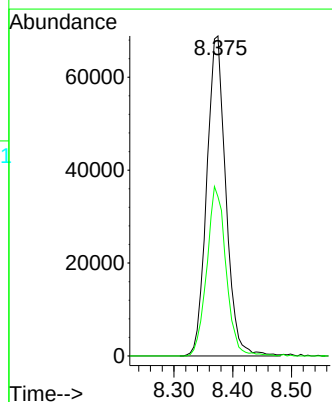
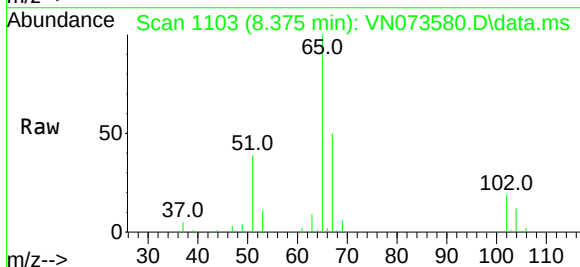
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11F

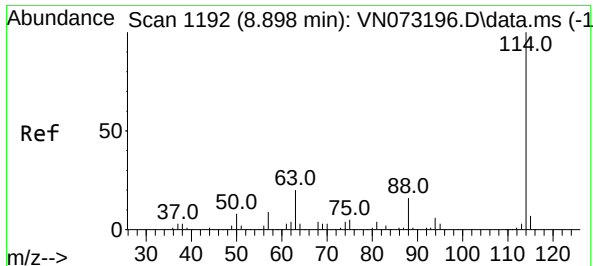
Tgt Ion: 83 Resp: 73467  
Ion Ratio Lower Upper  
83 100  
85 62.5 51.8 77.8



#33  
1,2-Dichloroethane-d4  
Concen: 44.602 ug/l  
RT: 8.375 min Scan# 1103  
Delta R.T. 0.006 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

Tgt Ion: 65 Resp: 155116  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073580.D

Acq: 25 Jul 2022 15:33

Instrument :

MSVOA\_N

ClientSampleId :

MW-11F

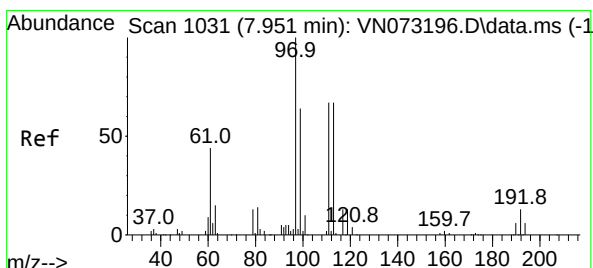
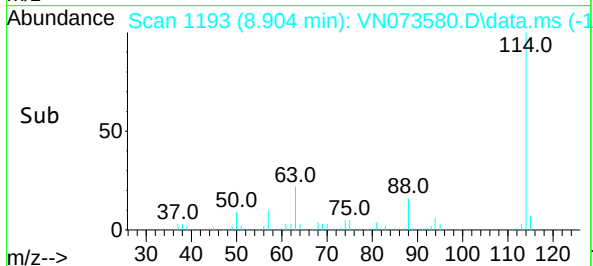
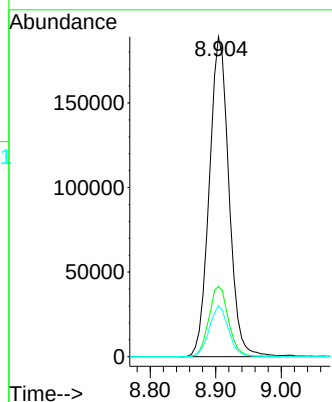
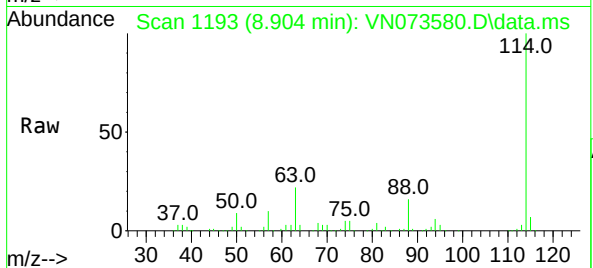
Tgt Ion:114 Resp: 392973

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.548 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073580.D

Acq: 25 Jul 2022 15:33

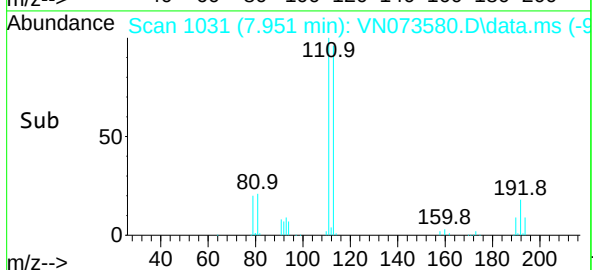
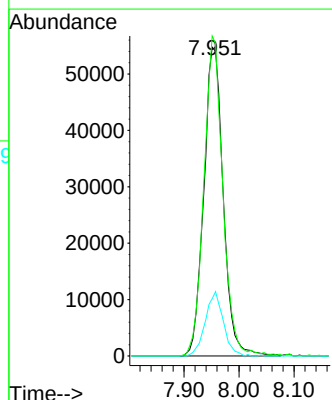
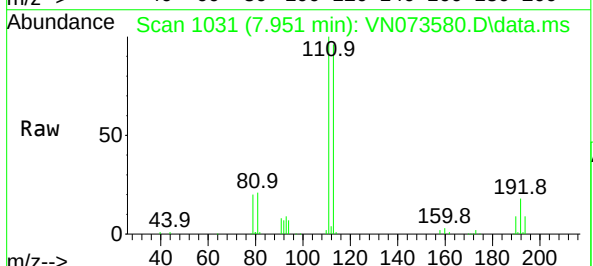
Tgt Ion:113 Resp: 134773

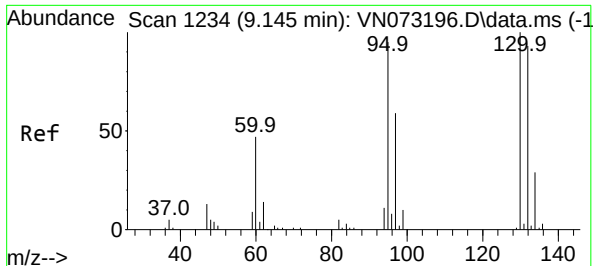
Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

192 19.2 17.0 25.6

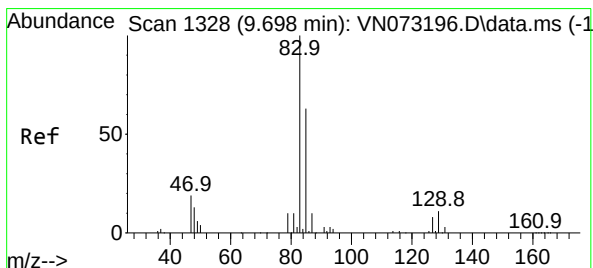
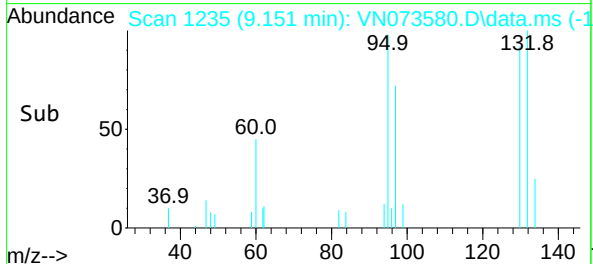
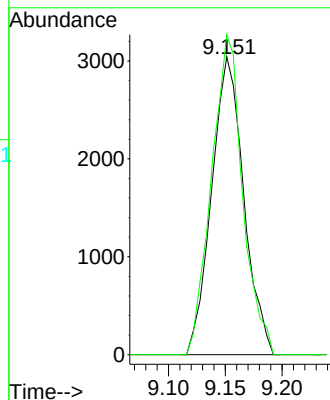
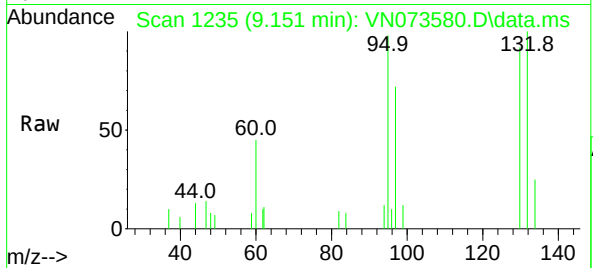




#44  
Trichloroethene  
Concen: 1.893 ug/l  
RT: 9.151 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

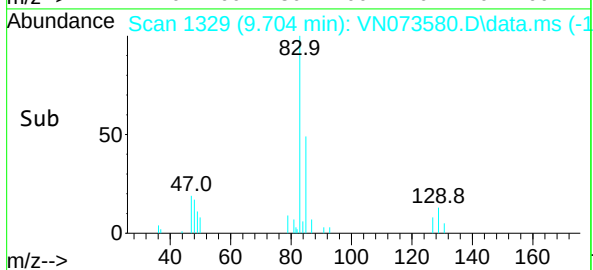
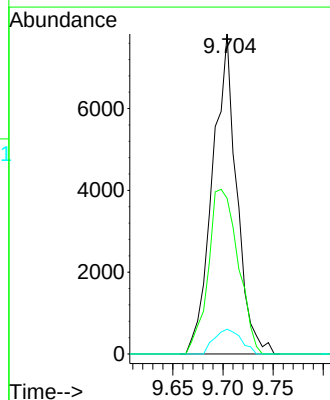
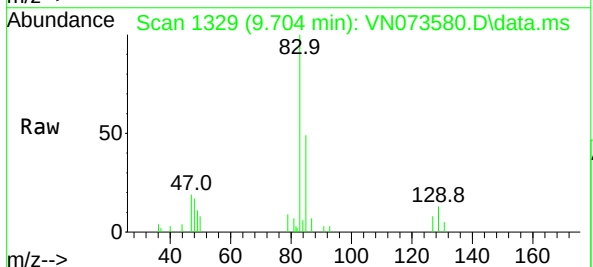
Instrument :  
MSVOA\_N  
ClientSampleId :  
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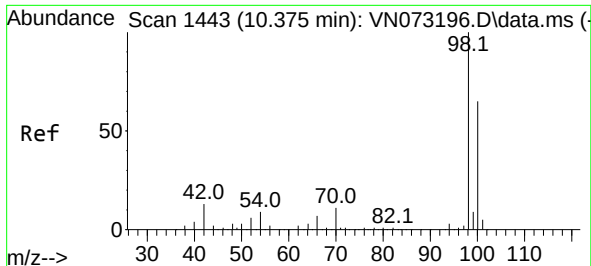
Tgt Ion:130 Resp: 5982  
Ion Ratio Lower Upper  
130 100  
95 107.4 0.0 186.8



#47  
Bromodichloromethane  
Concen: 3.164 ug/l  
RT: 9.704 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

Tgt Ion: 83 Resp: 13166  
Ion Ratio Lower Upper  
83 100  
85 48.6 50.5 75.7#  
127 7.8 6.8 10.2

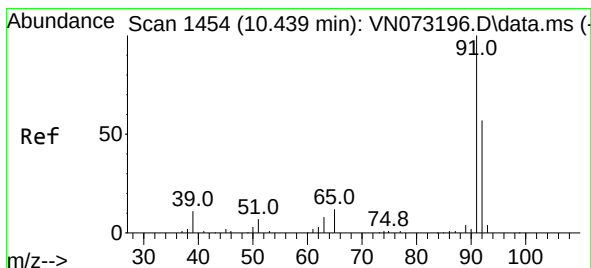
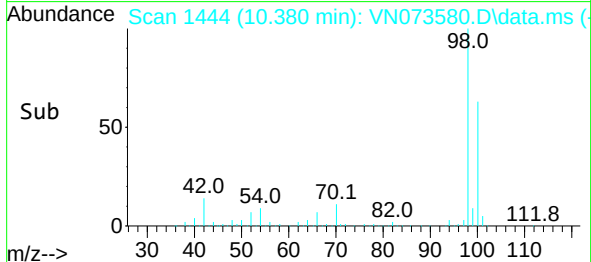
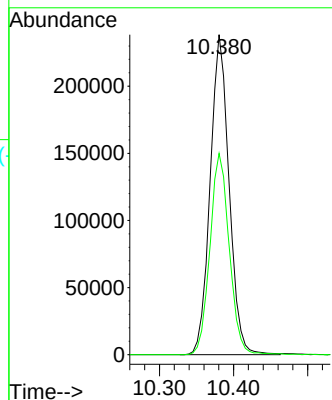
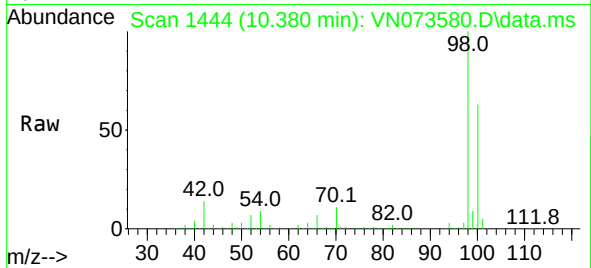




#50  
Toluene-d8  
Concen: 45.475 ug/l  
RT: 10.380 min Scan# 1443  
Delta R.T. 0.005 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

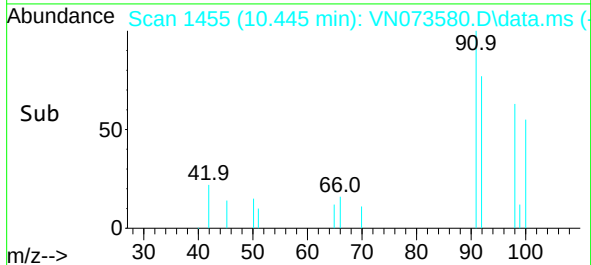
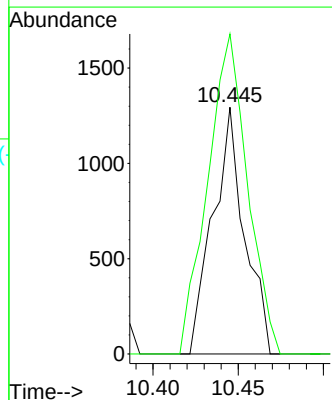
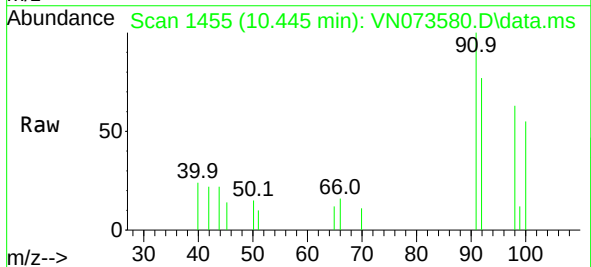
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11F

Tgt Ion: 98 Resp: 422274  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 78.8

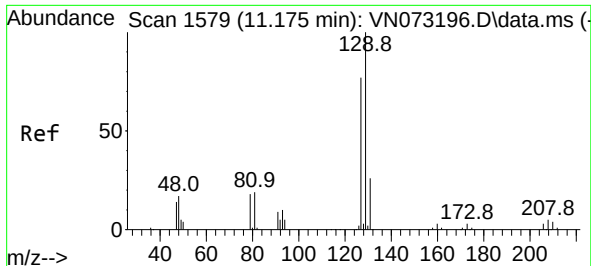


#52  
Toluene  
Concen: 0.218 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. 0.006 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

Tgt Ion: 92 Resp: 1672  
Ion Ratio Lower Upper  
92 100  
91 163.5 138.6 207.8



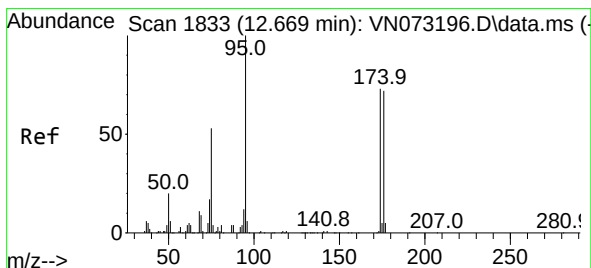
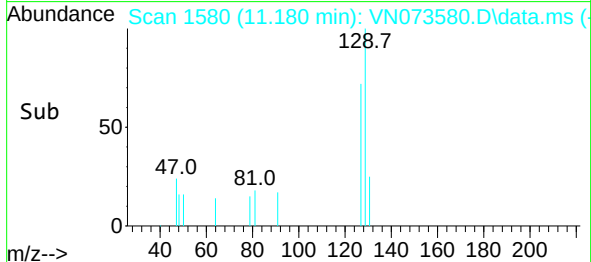
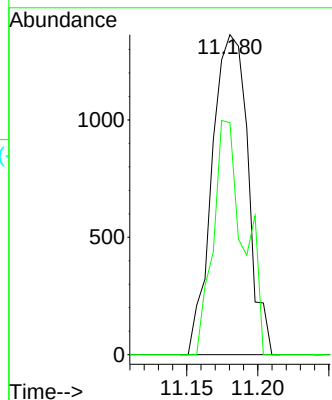
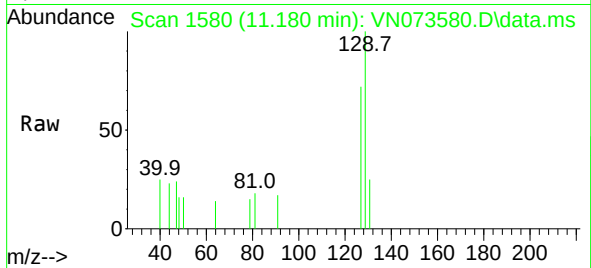




#60  
Dibromochloromethane  
Concen: 0.796 ug/l  
RT: 11.180 min Scan# 1117  
Delta R.T. 0.005 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

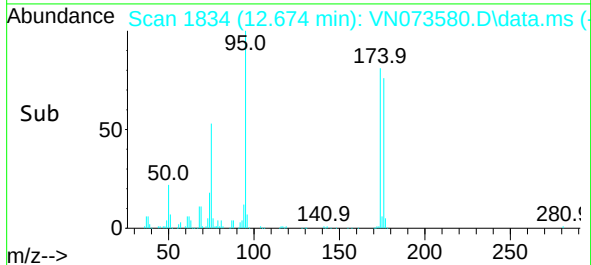
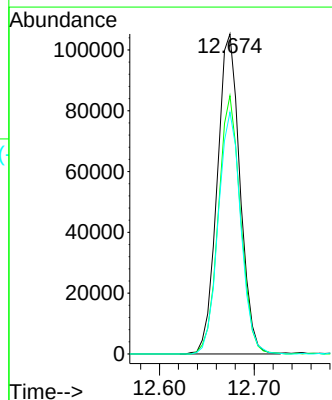
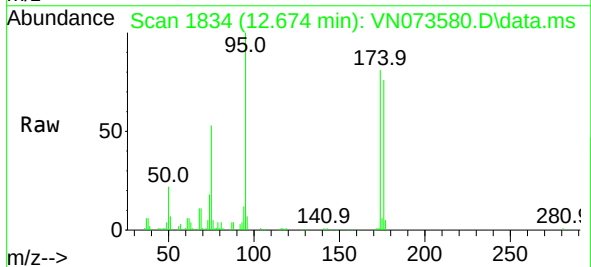
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11F

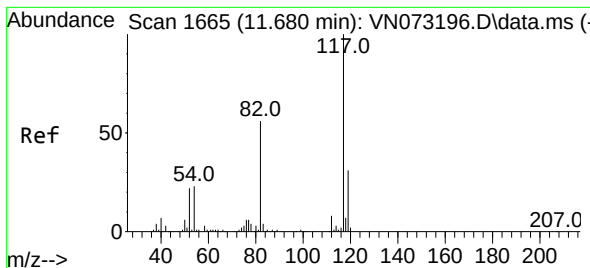
Tgt Ion:129 Resp: 2397  
Ion Ratio Lower Upper  
129 100  
127 62.2 38.8 116.4



#62  
4-Bromofluorobenzene  
Concen: 49.325 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.005 min  
Lab File: VN073580.D  
Acq: 25 Jul 2022 15:33

Tgt Ion: 95 Resp: 176018  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 167.6  
176 74.8 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073580.D

Acq: 25 Jul 2022 15:33

Instrument :

MSVOA\_N

ClientSampleId :

MW-11F

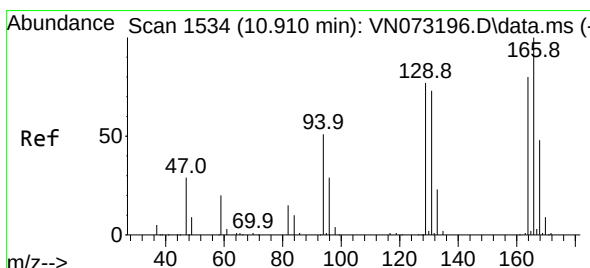
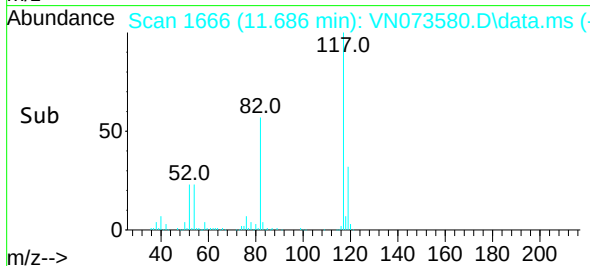
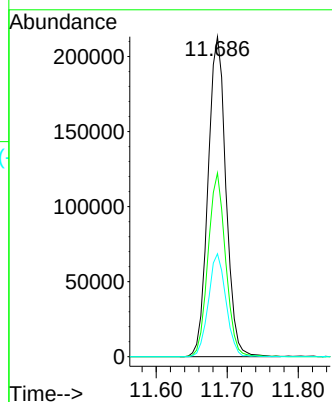
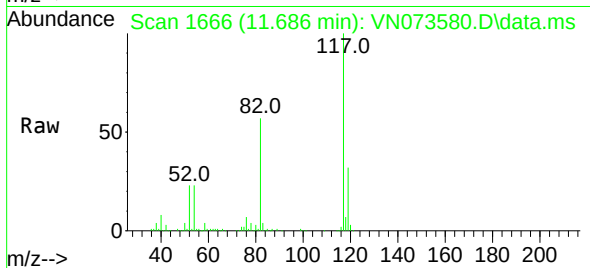
Tgt Ion:117 Resp: 373553

Ion Ratio Lower Upper

117 100

82 57.4 44.2 66.2

119 32.2 25.4 38.0



#64

Tetrachloroethene

Concen: 0.451 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. 0.006 min

Lab File: VN073580.D

Acq: 25 Jul 2022 15:33

Tgt Ion:164 Resp: 1375

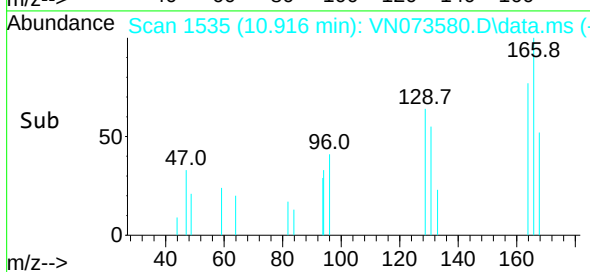
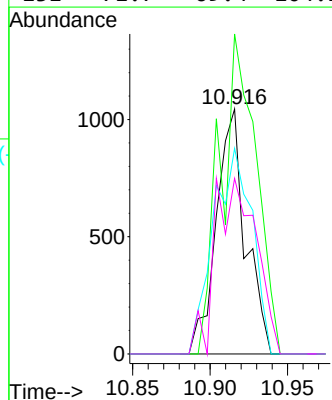
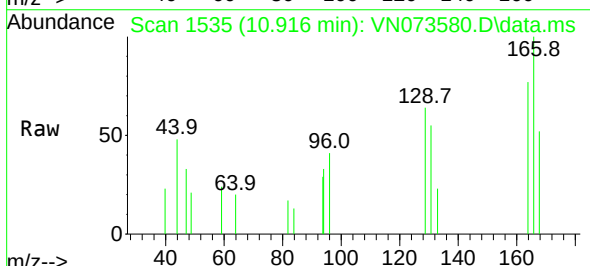
Ion Ratio Lower Upper

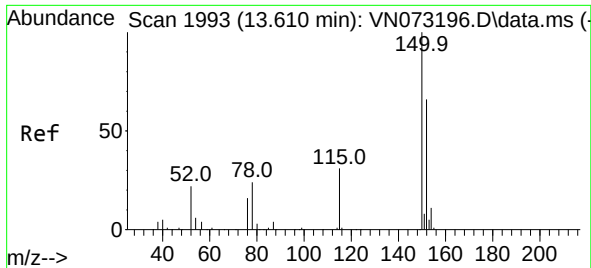
164 100

166 130.6 104.2 156.2

129 83.9 73.9 110.9

131 71.7 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VN073580.D

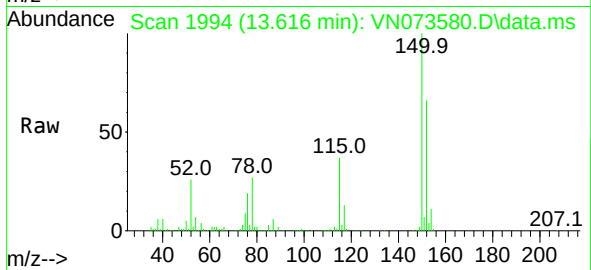
Acq: 25 Jul 2022 15:33

Instrument :

MSVOA\_N

ClientSampleId :

MW-11F



Tgt Ion:152 Resp: 179895

Ion Ratio Lower Upper

152 100

115 59.8 28.9 86.7

150 158.0 0.0 356.2

