

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN033022\  
 Data File : VN071671.D  
 Acq On : 30 Mar 2022 20:08  
 Operator : JC\MD  
 Sample : N2075-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW17811-20220322

Quant Time: Mar 31 01:37:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 19:18:20 2022  
 Response via : Initial Calibration

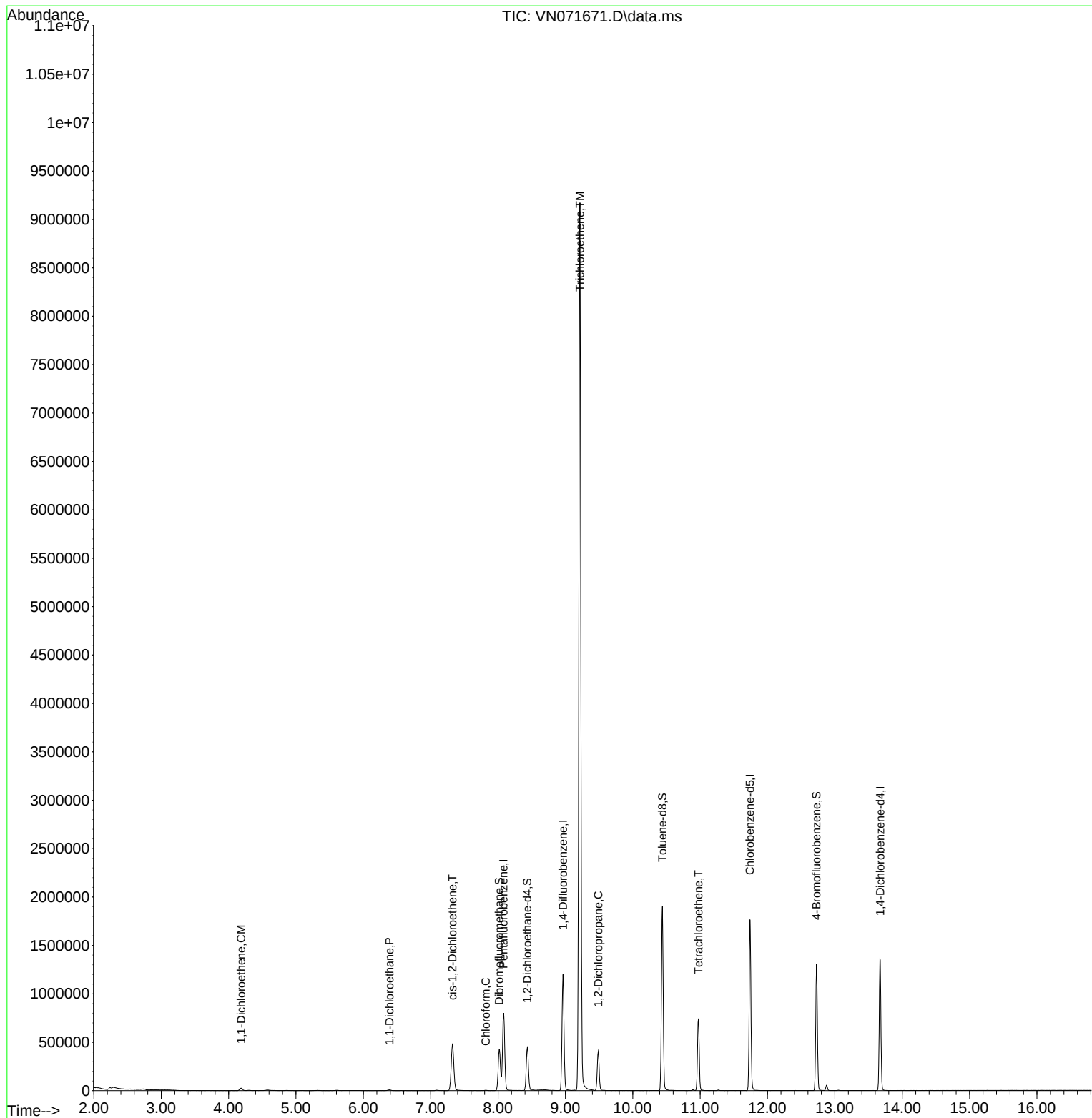
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.080          | 168  | 667175     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.963          | 114  | 1112450    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.739         | 117  | 1102443    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.674         | 152  | 406291     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.433          | 65   | 371133     | 48.727   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 97.460%  |        |          |
| 35) Dibromofluoromethane    | 8.016          | 113  | 321652     | 49.136   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 98.280%  |        |          |
| 50) Toluene-d8              | 10.439         | 98   | 1368703    | 51.112   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 102.220% |        |          |
| 62) 4-Bromofluorobenzene    | 12.727         | 95   | 461460     | 53.282   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 106.560% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene      | 4.187          | 96   | 16480      | 2.993    | ug/l   | 88       |
| 24) 1,1-Dichloroethane      | 6.386          | 63   | 12141      | 1.063    | ug/l # | 94       |
| 27) cis-1,2-Dichloroethene  | 7.322          | 96   | 317345     | 42.808   | ug/l   | 88       |
| 30) Chloroform              | 7.816          | 83   | 3414       | 0.283    | ug/l # | 78       |
| 44) Trichloroethene         | 9.216          | 130  | 3565848    | 479.303  | ug/l   | 98       |
| 45) 1,2-Dichloropropane     | 9.486          | 63   | 166775     | 23.118   | ug/l   | 98       |
| 64) Tetrachloroethene       | 10.974         | 164  | 190027     | 26.103   | ug/l   | 98       |
| -----                       |                |      |            |          |        |          |

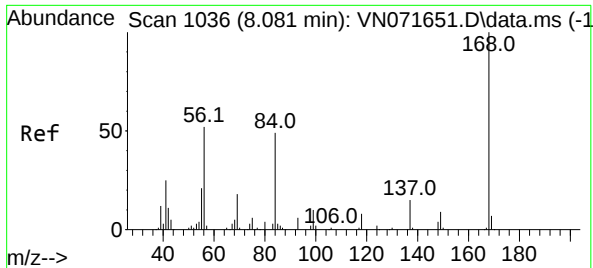
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 30 19:18:20 2022  
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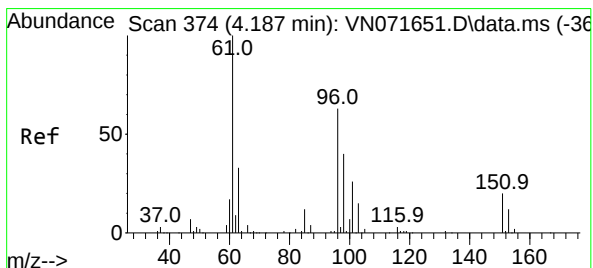
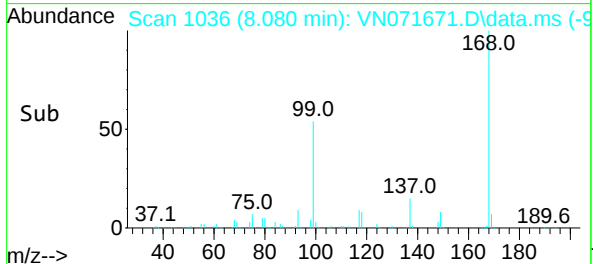
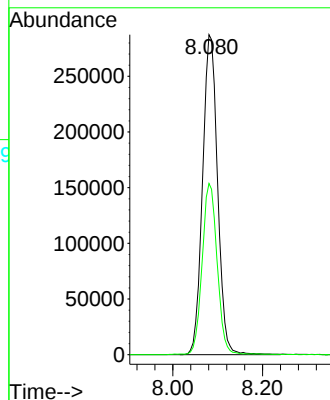
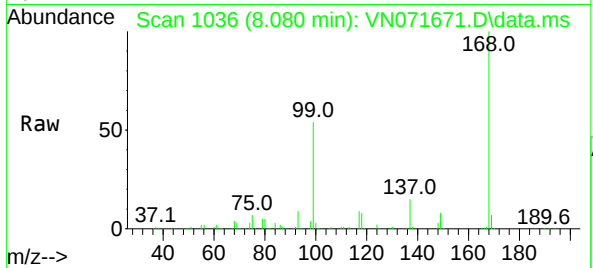




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

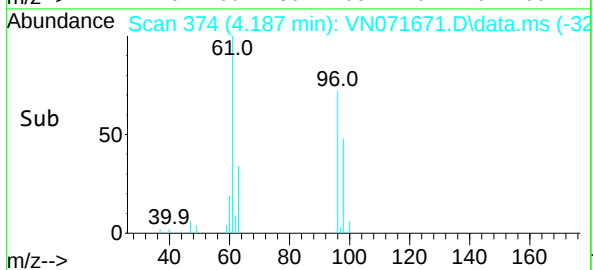
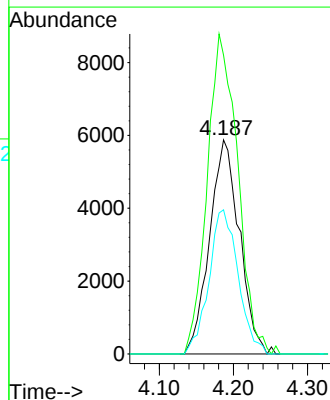
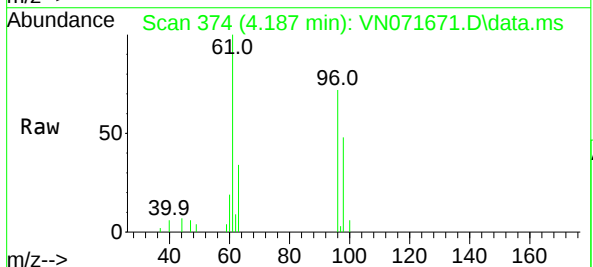
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MSVOA\_N  
ClientSampleId :  
MW17811-20220322

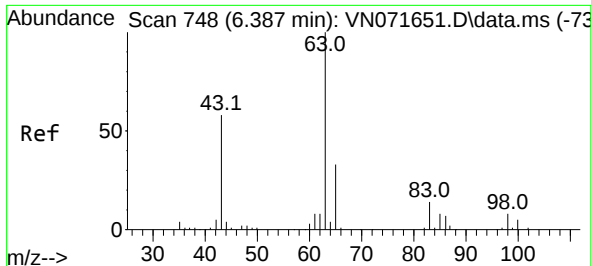
Tgt Ion:168 Resp: 667175  
Ion Ratio Lower Upper  
168 100  
99 53.4 42.3 63.5



#12  
1,1-Dichloroethene  
Concen: 2.993 ug/l  
RT: 4.187 min Scan# 374  
Delta R.T. -0.000 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

Tgt Ion: 96 Resp: 16480  
Ion Ratio Lower Upper  
96 100  
61 139.6 127.6 191.4  
98 67.3 51.2 76.8

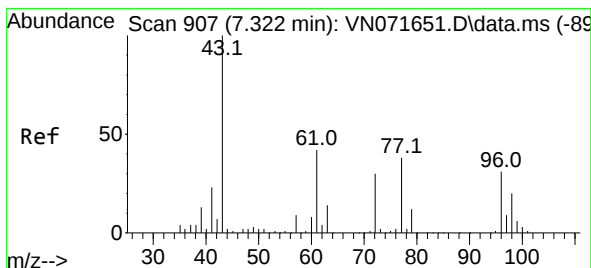
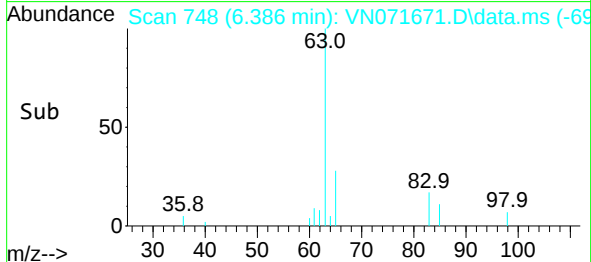
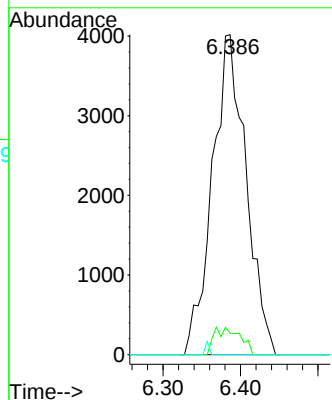
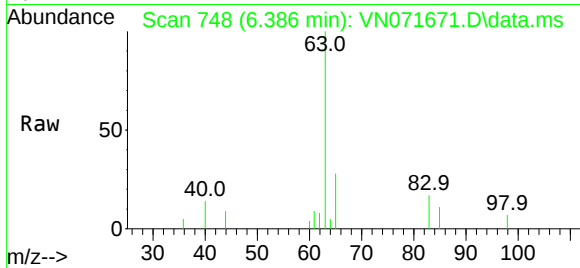




#24  
1,1-Dichloroethane  
Concen: 1.063 ug/l  
RT: 6.386 min Scan# 74  
Delta R.T. -0.001 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

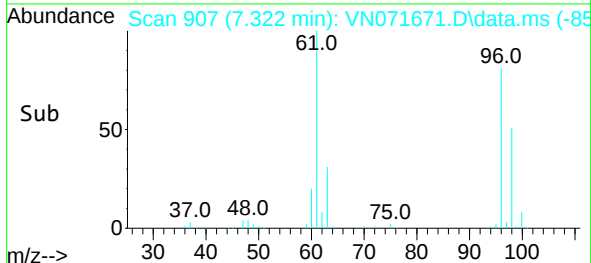
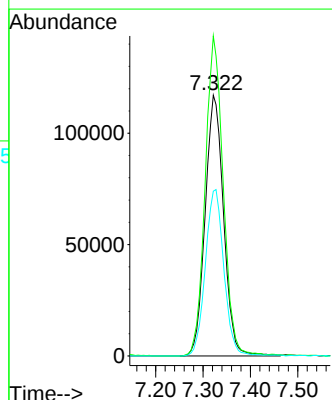
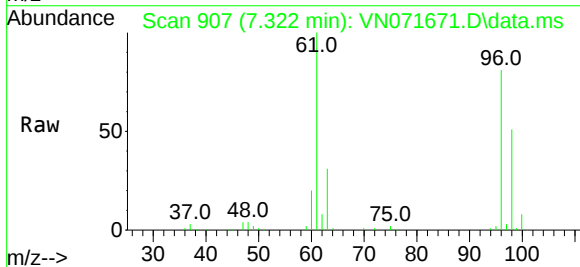
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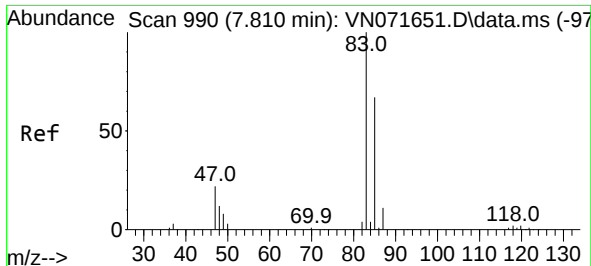
Tgt Ion: 63 Resp: 12141  
Ion Ratio Lower Upper  
63 100  
98 6.7 3.5 10.4  
100 0.0 2.3 6.8#



#27  
cis-1,2-Dichloroethene  
Concen: 42.808 ug/l  
RT: 7.322 min Scan# 907  
Delta R.T. -0.000 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

Tgt Ion: 96 Resp: 317345  
Ion Ratio Lower Upper  
96 100  
61 119.6 0.0 280.6  
98 63.9 0.0 128.4

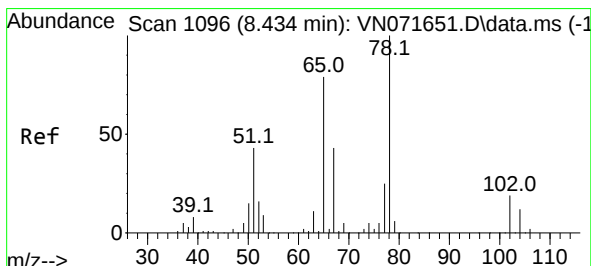
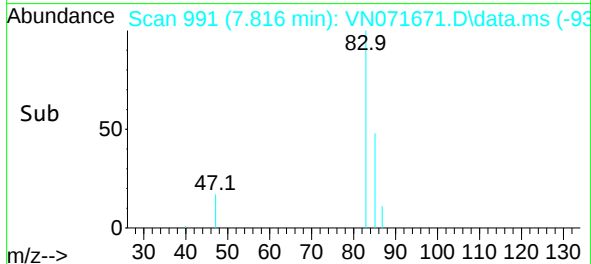
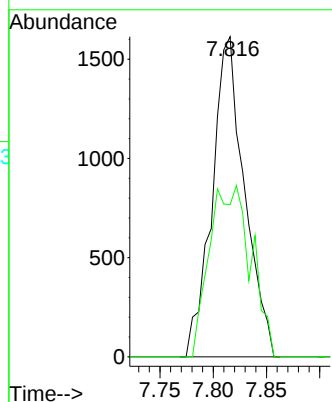
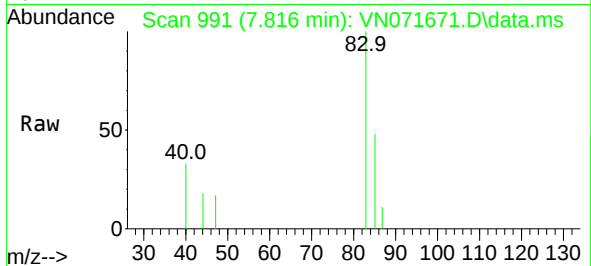




#30  
Chloroform  
Concen: 0.283 ug/l  
RT: 7.816 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

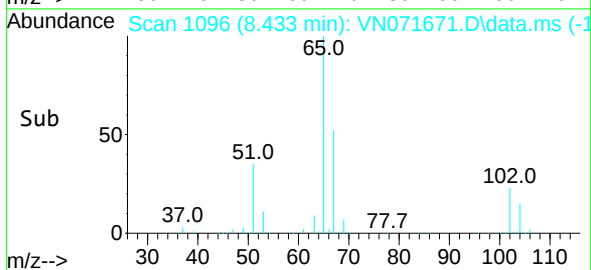
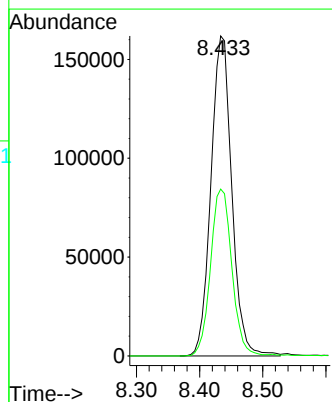
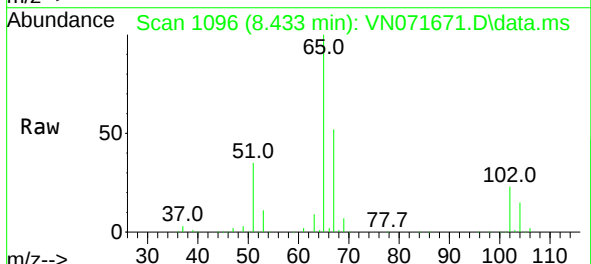
Instrument :  
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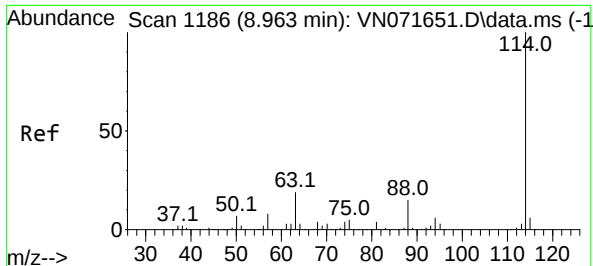
Tgt Ion: 83 Resp: 3414  
Ion Ratio Lower Upper  
83 100  
85 47.5 51.8 77.8#



#33  
1,2-Dichloroethane-d4  
Concen: 48.727 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. -0.001 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

Tgt Ion: 65 Resp: 371133  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071671.D

Acq: 30 Mar 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

MW17811-20220322

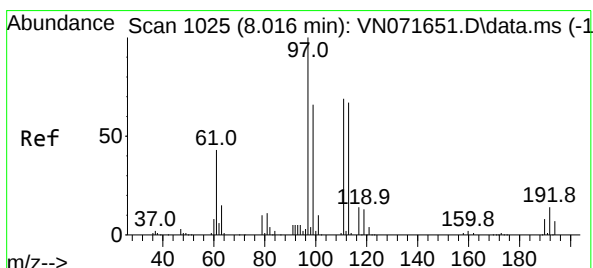
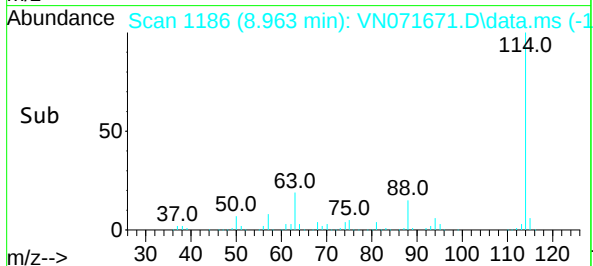
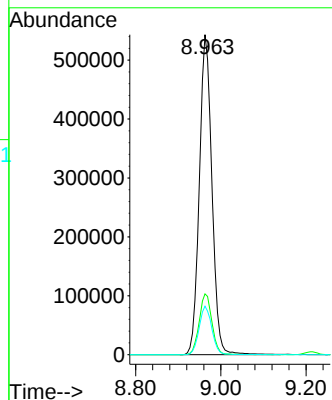
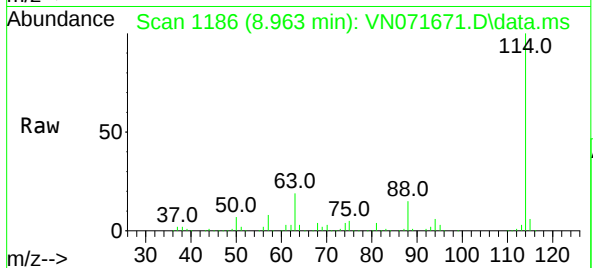
Tgt Ion:114 Resp: 1112450

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.136 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071671.D

Acq: 30 Mar 2022 20:08

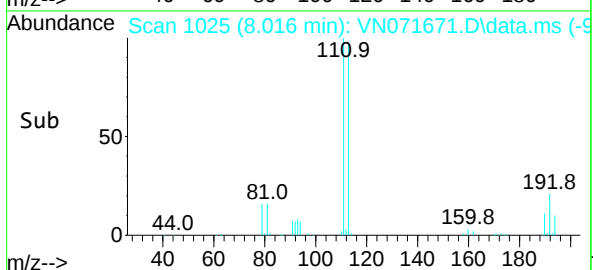
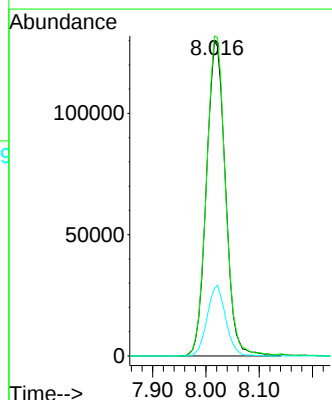
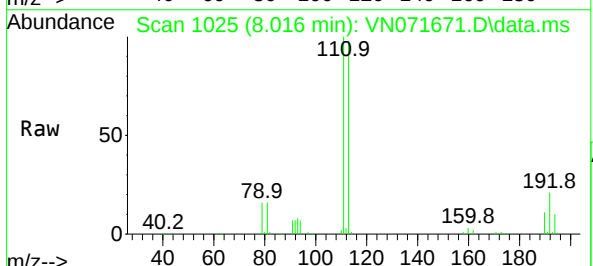
Tgt Ion:113 Resp: 321652

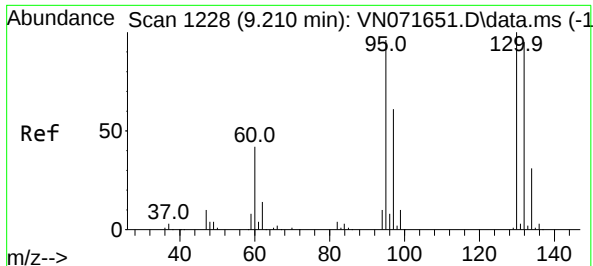
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 21.9 17.0 25.6

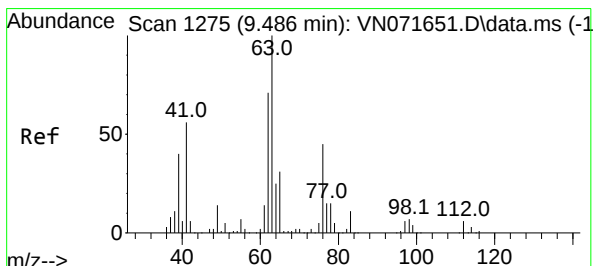
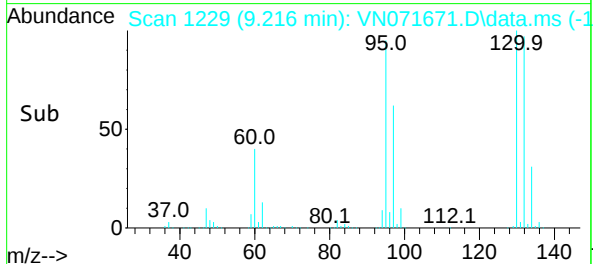
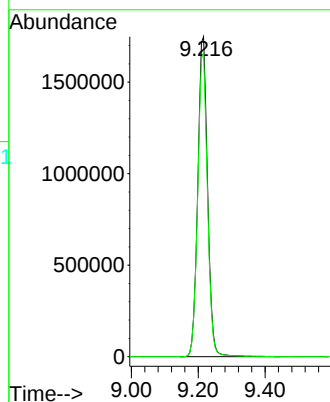
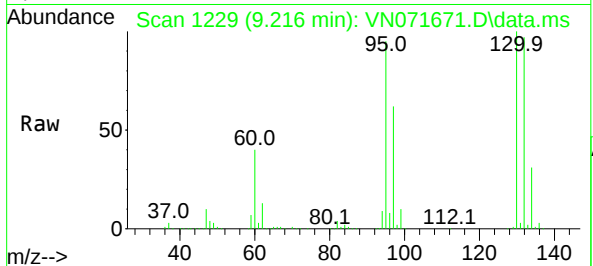




#44  
Trichloroethene  
Concen: 479.303 ug/l  
RT: 9.216 min Scan# 1228  
Delta R.T. 0.006 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

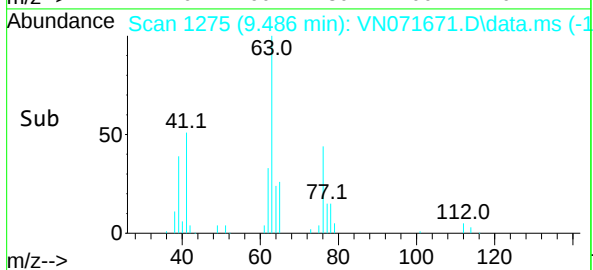
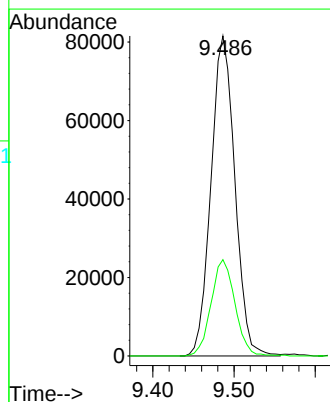
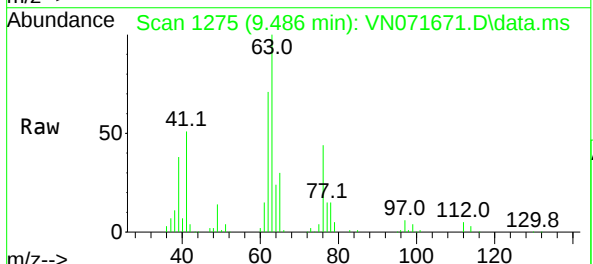
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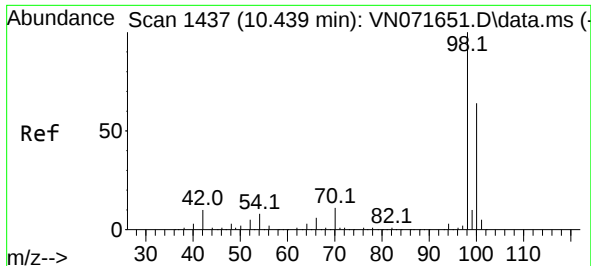
Tgt Ion:130 Resp: 3565848  
Ion Ratio Lower Upper  
130 100  
95 95.1 0.0 186.8



#45  
1,2-Dichloropropane  
Concen: 23.118 ug/l  
RT: 9.486 min Scan# 1275  
Delta R.T. 0.000 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

Tgt Ion: 63 Resp: 166775  
Ion Ratio Lower Upper  
63 100  
65 30.1 24.9 37.3

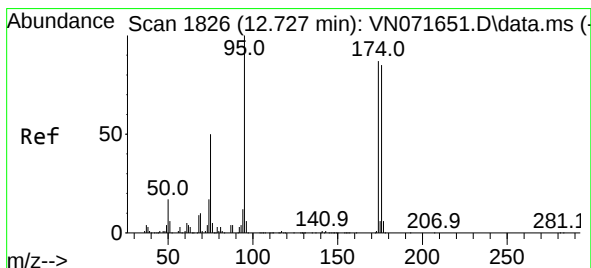
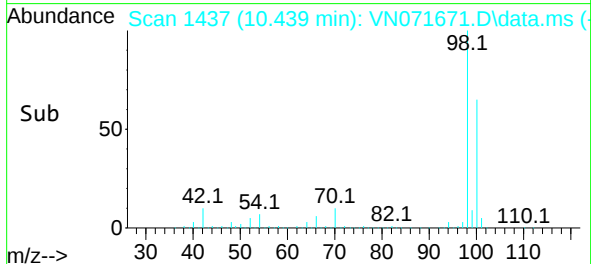
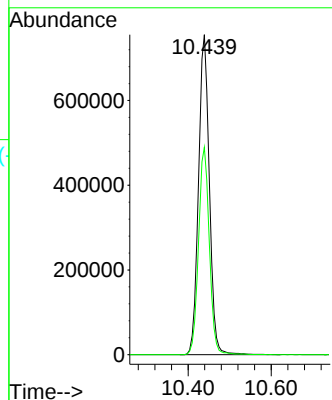
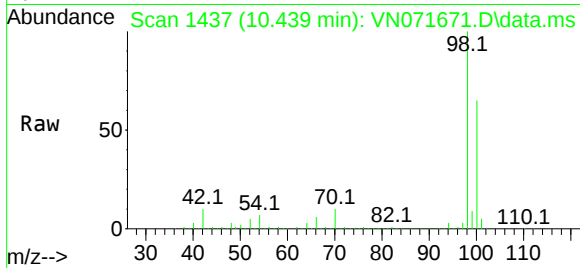




#50  
Toluene-d8  
Concen: 51.112 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

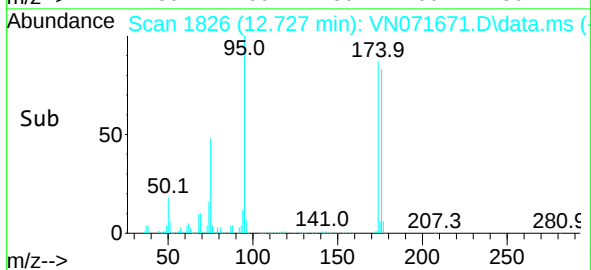
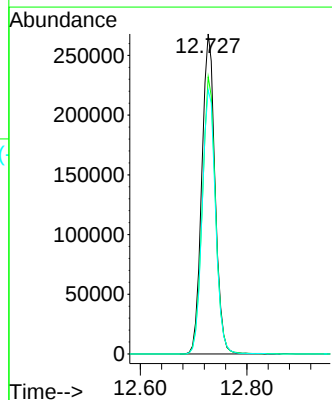
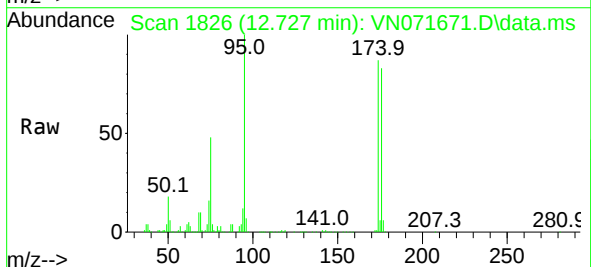
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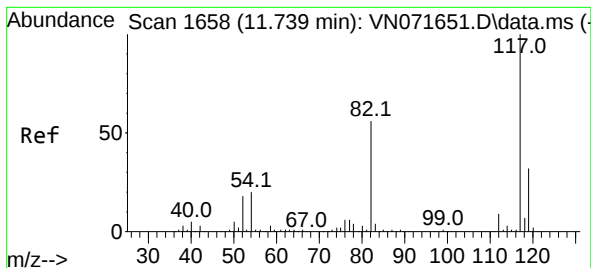
Tgt Ion: 98 Resp: 1368703  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 53.282 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071671.D  
Acq: 30 Mar 2022 20:08

Tgt Ion: 95 Resp: 461460  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 167.6  
176 83.3 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN071671.D

Acq: 30 Mar 2022 20:08

Instrument :

MSVOA\_N

ClientSampleId :

MW17811-20220322

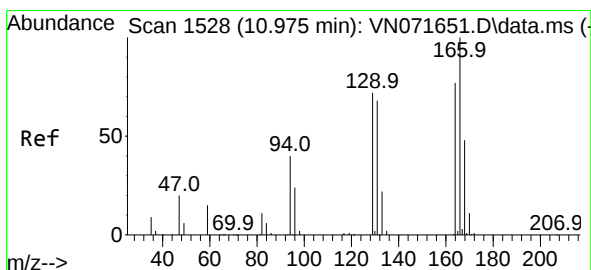
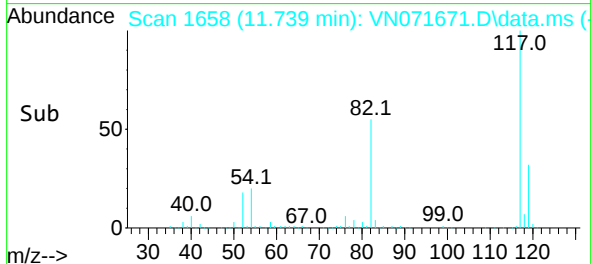
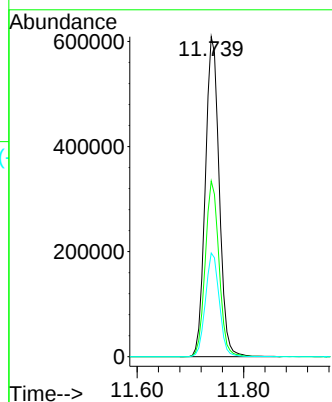
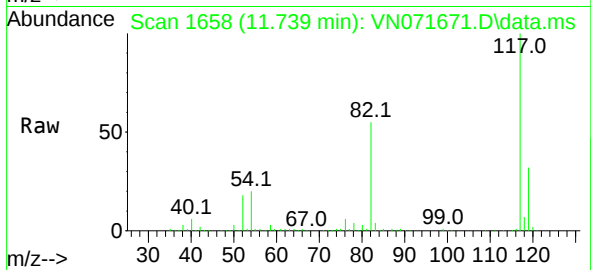
Tgt Ion:117 Resp: 1102443

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

119 32.4 25.4 38.0



#64

Tetrachloroethene

Concen: 26.103 ug/l

RT: 10.974 min Scan# 1528

Delta R.T. -0.001 min

Lab File: VN071671.D

Acq: 30 Mar 2022 20:08

Tgt Ion:164 Resp: 190027

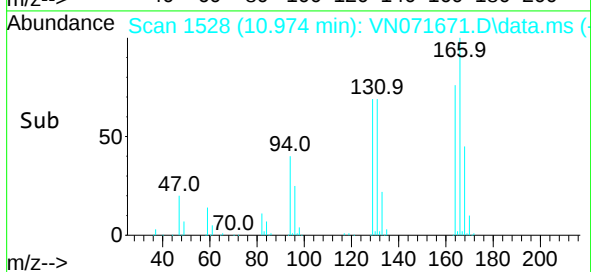
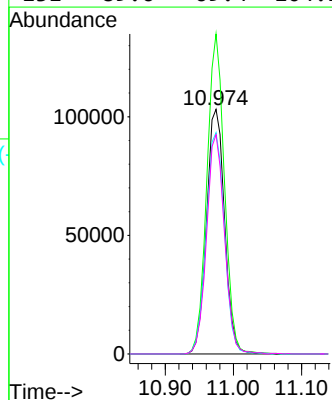
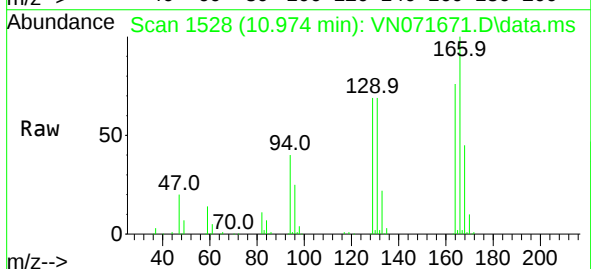
Ion Ratio Lower Upper

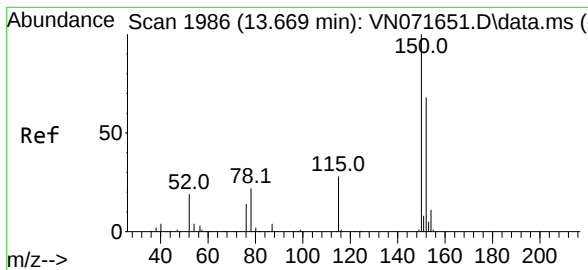
164 100

166 130.8 104.2 156.2

129 90.5 73.9 110.9

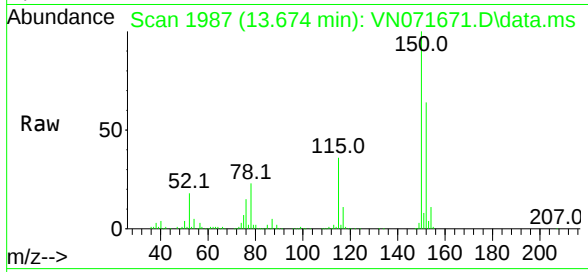
131 89.6 69.4 104.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.674 min Scan# 1987  
 Delta R.T. 0.005 min  
 Lab File: VN071671.D  
 Acq: 30 Mar 2022 20:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW178I1-20220322



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 406291 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 56.2  | 28.9  | 86.7   |
| 150      | 157.4 | 0.0   | 356.2  |

