

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082322\  
 Data File : VN074072.D  
 Acq On : 23 Aug 2022 16:50  
 Operator : JC\MD  
 Sample : N4276-02DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DSN-002-SEWER-OUTLET-002DL

Quant Time: Aug 24 01:21:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072722W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 27 18:07:26 2022  
 Response via : Initial Calibration

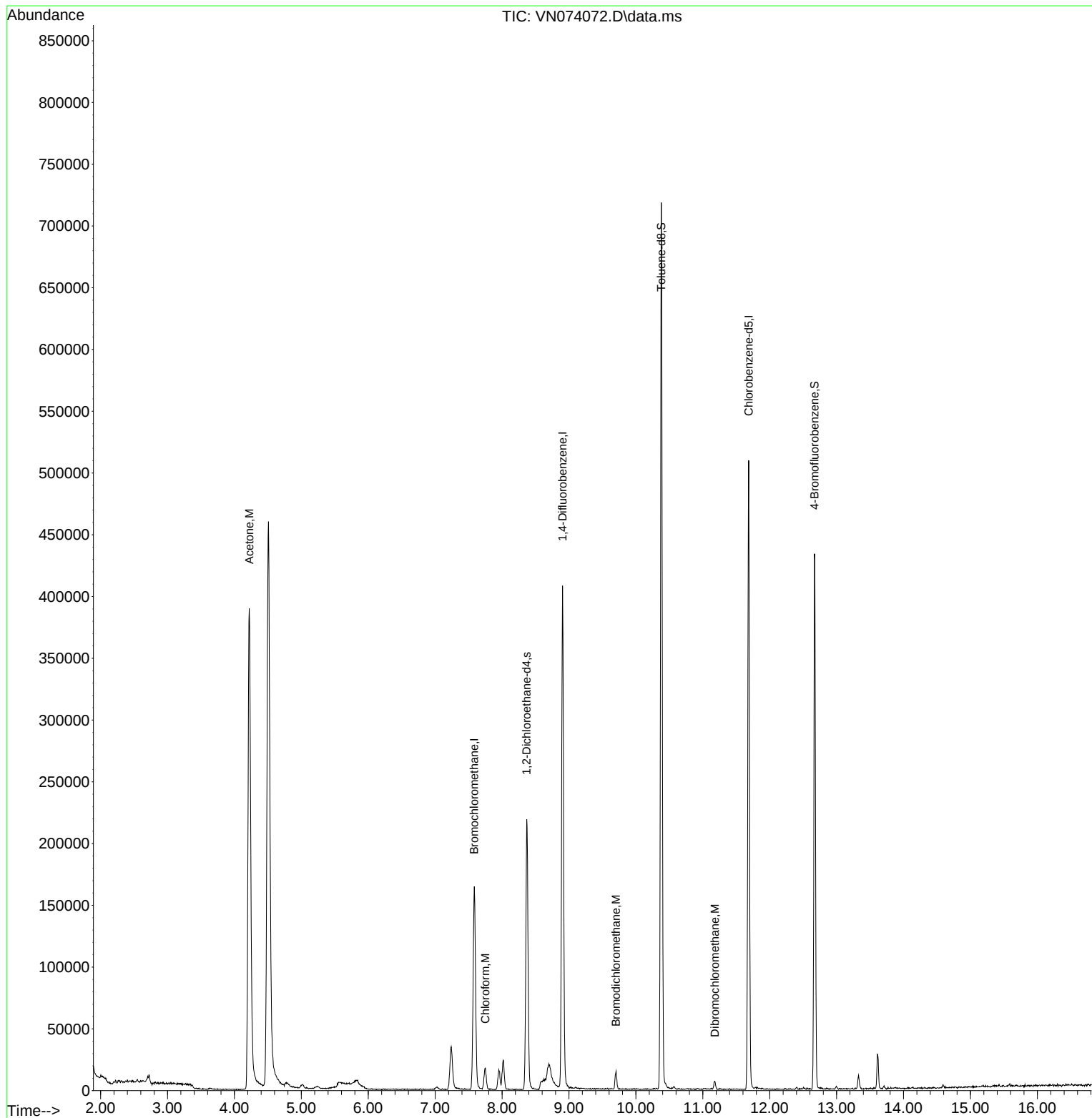
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.580  | 128   | 66119    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.904  | 114   | 370661   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.686 | 117   | 313463   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.369  | 65    | 180718   | 31.612   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 105.367% |
| 60) 4-Bromofluorobenzene    | 12.668 | 95    | 146199   | 26.341   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 87.800%  |
| 63) Toluene-d8              | 10.380 | 98    | 512885   | 29.058   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 96.867%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 4.222  | 58    | 240482   | 266.419  | ug/l   | 81       |
| 25) Chloroform              | 7.751  | 83    | 17686    | 1.933    | ug/l   | 99       |
| 41) Bromodichloromethane    | 9.704  | 83    | 10592    | 1.410    | ug/l # | 85       |
| 53) Dibromochloromethane    | 11.180 | 129   | 4502     | 0.772    | ug/l   | 90       |
| -----                       |        |       |          |          |        |          |

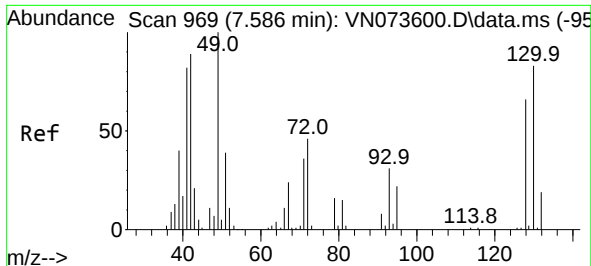
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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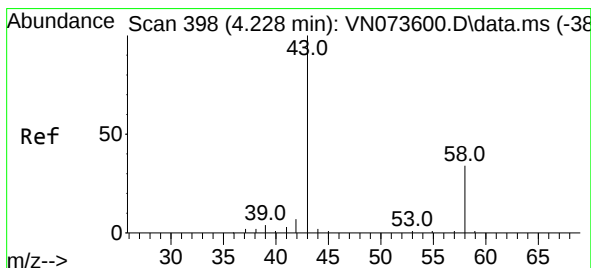
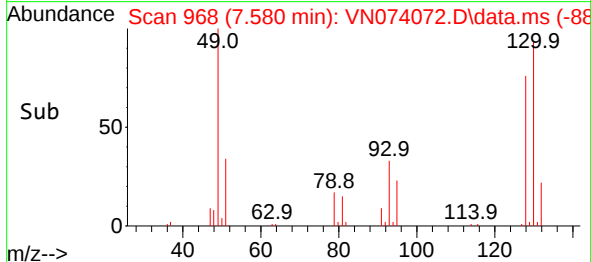
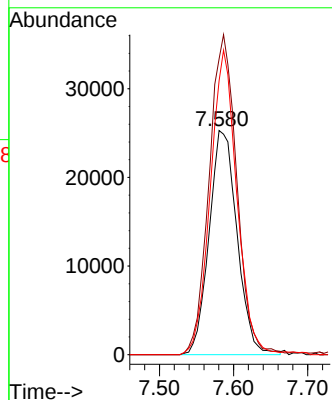
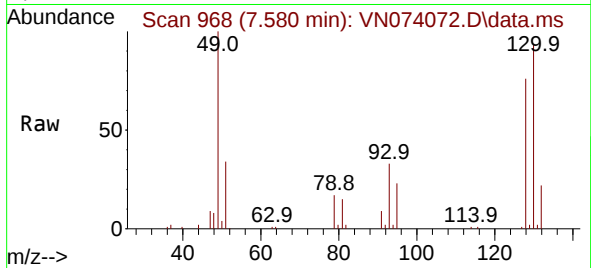




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.580 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

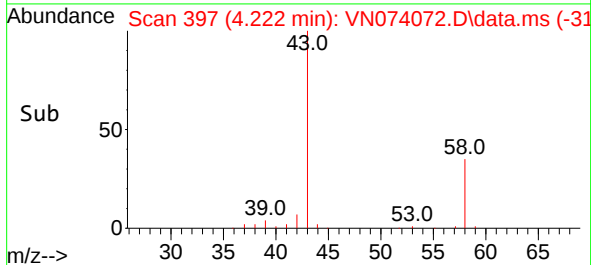
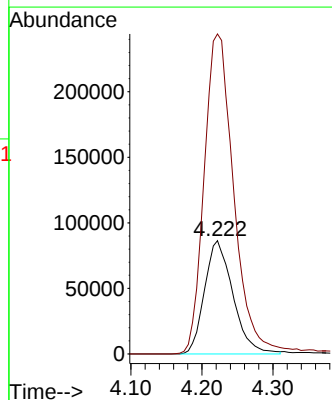
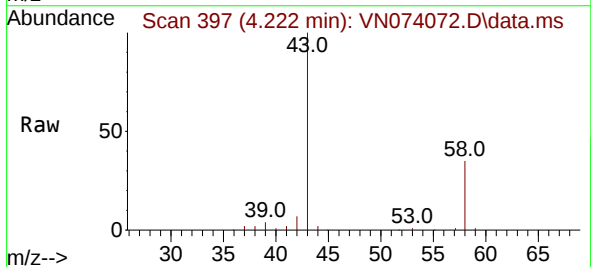
Instrument :  
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ClientSampleId :  
DSN-002-SEWER-OUTLET-002DL

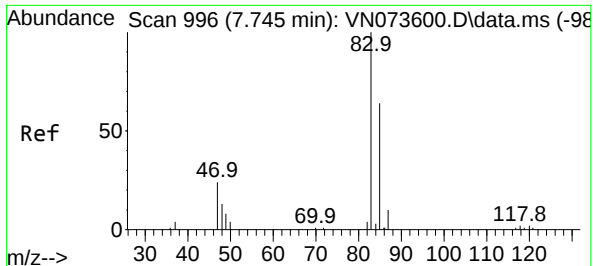
Tgt Ion:128 Resp: 66119  
Ion Ratio Lower Upper  
128 100  
49 140.6 0.0 392.3  
130 129.0 0.0 320.2



#15  
Acetone  
Concen: 266.419 ug/l  
RT: 4.222 min Scan# 397  
Delta R.T. -0.006 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

Tgt Ion: 58 Resp: 240482  
Ion Ratio Lower Upper  
58 100  
43 281.8 256.6 384.8

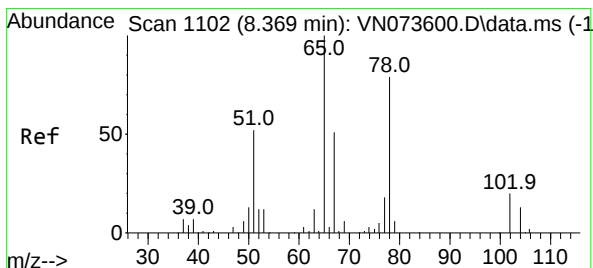
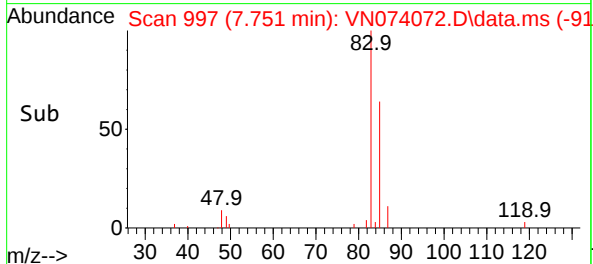
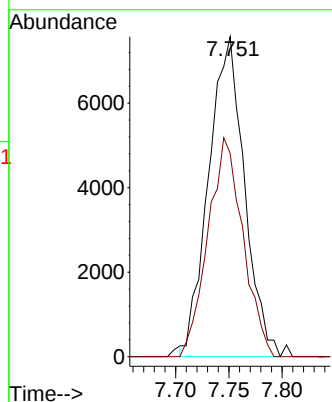
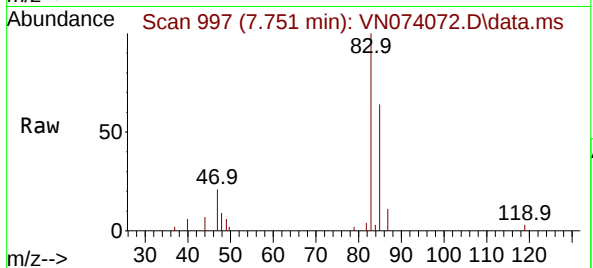




#25  
Chloroform  
Concen: 1.933 ug/l  
RT: 7.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

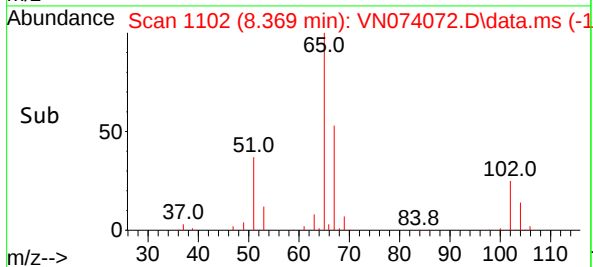
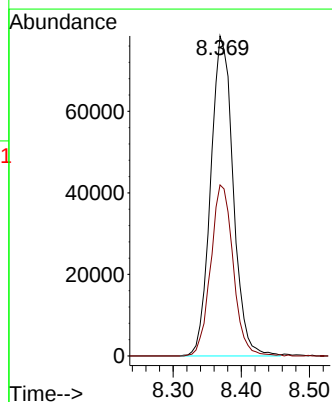
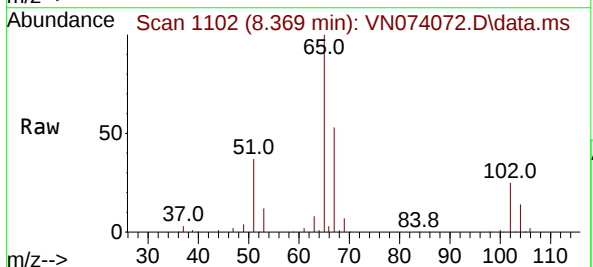
Instrument :  
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ClientSampleId :  
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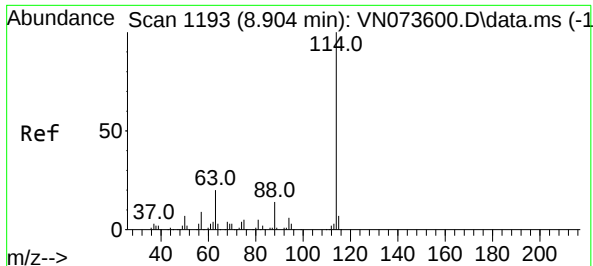
Tgt Ion: 83 Resp: 17686  
Ion Ratio Lower Upper  
83 100  
85 63.6 51.3 76.9



#27  
1,2-Dichloroethane-d4  
Concen: 31.612 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

Tgt Ion: 65 Resp: 180718  
Ion Ratio Lower Upper  
65 100  
67 53.2 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074072.D

Acq: 23 Aug 2022 16:50

Instrument :

MSVOA\_N

ClientSampleId :

DSN-002-SEWER-OUTLET-002DL

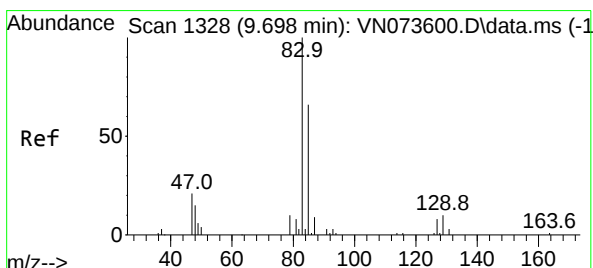
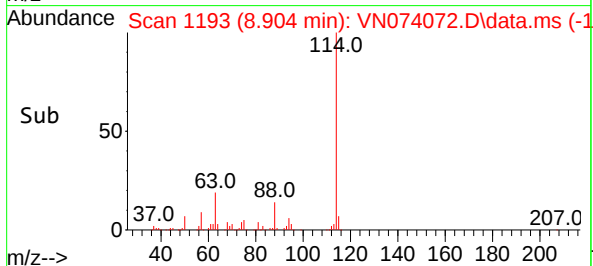
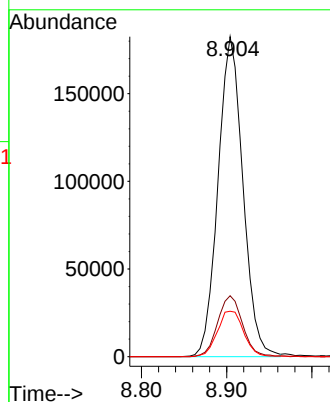
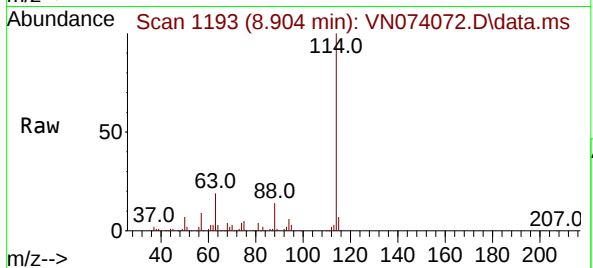
Tgt Ion:114 Resp: 370661

Ion Ratio Lower Upper

114 100

63 18.9 15.8 23.6

88 15.0 11.6 17.4



#41

Bromodichloromethane

Concen: 1.410 ug/l

RT: 9.704 min Scan# 1329

Delta R.T. 0.006 min

Lab File: VN074072.D

Acq: 23 Aug 2022 16:50

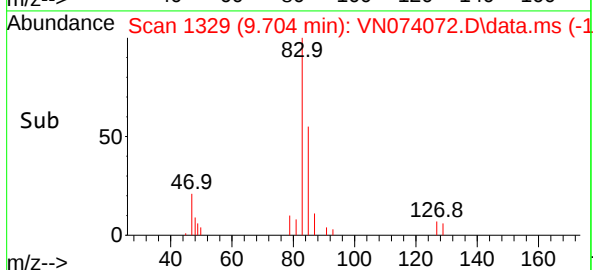
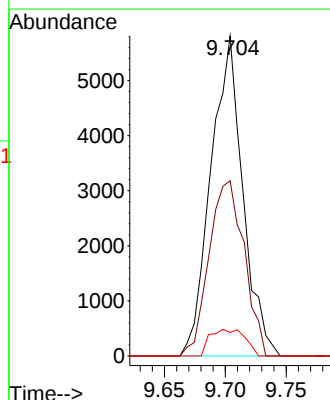
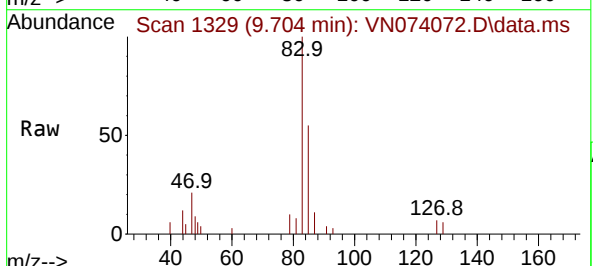
Tgt Ion: 83 Resp: 10592

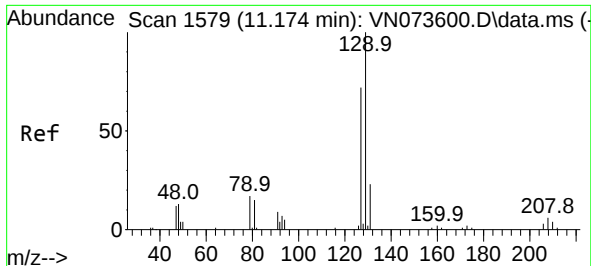
Ion Ratio Lower Upper

83 100

85 54.8 54.1 81.1

127 7.3 7.6 11.4#

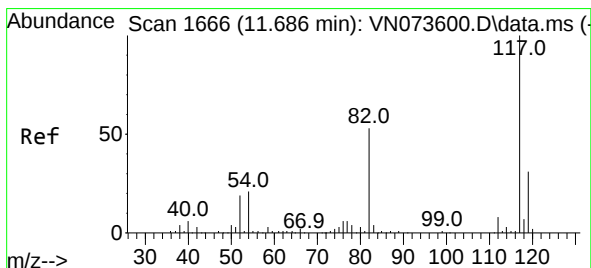
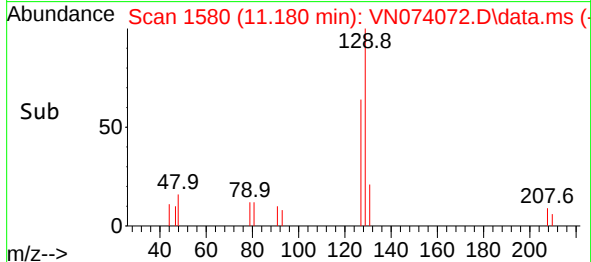
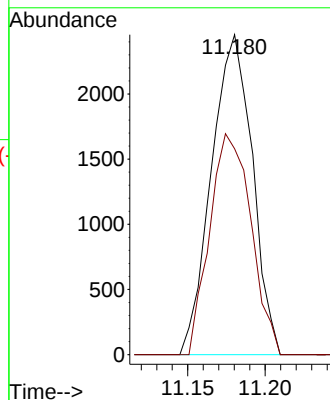
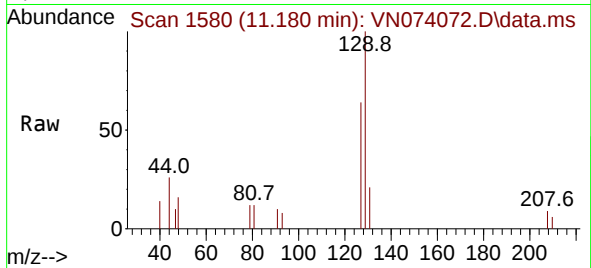




#53  
Dibromochloromethane  
Concen: 0.772 ug/l  
RT: 11.180 min Scan# 1579  
Delta R.T. 0.006 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

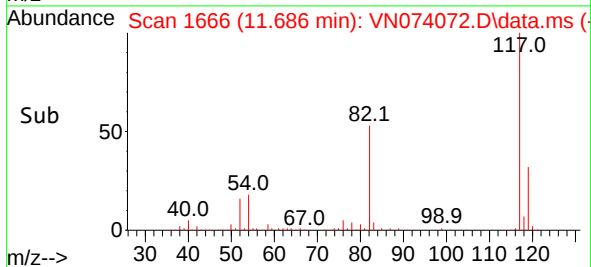
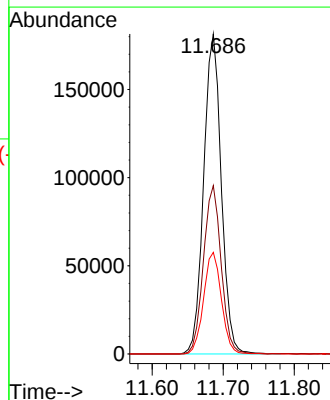
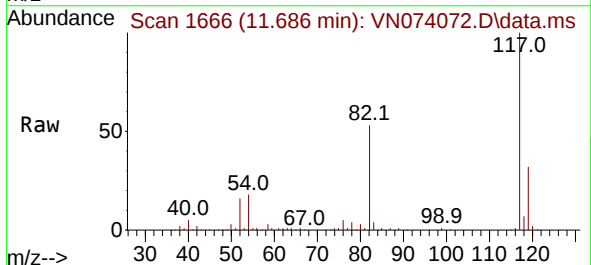
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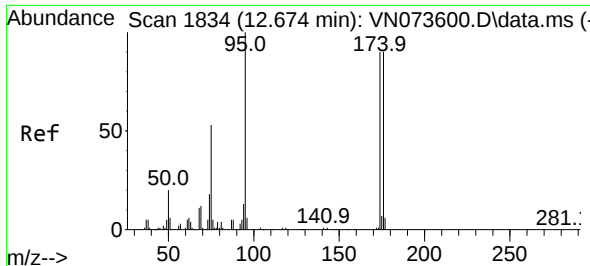
Tgt Ion:129 Resp: 4502  
Ion Ratio Lower Upper  
129 100  
127 69.7 39.0 117.0



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. -0.000 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

Tgt Ion:117 Resp: 313463  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.6 65.4  
119 32.1 25.8 38.6

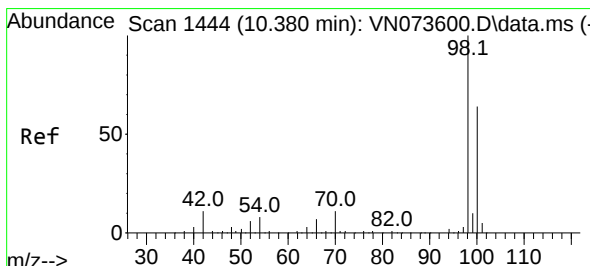
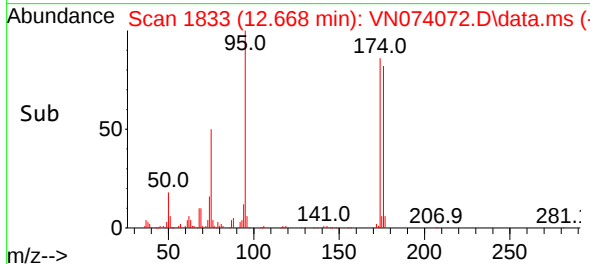
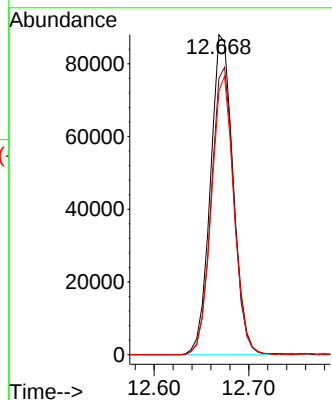
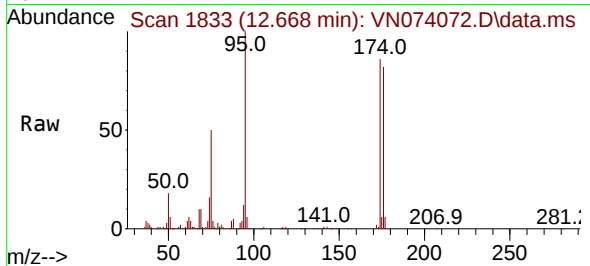




#60  
4-Bromofluorobenzene  
Concen: 26.341 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

Instrument :  
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ClientSampleId :  
DSN-002-SEWER-OUTLET-002DL

Tgt Ion: 95 Resp: 146199  
Ion Ratio Lower Upper  
95 100  
174 90.6 62.9 94.3  
176 86.3 61.0 91.4



#63  
Toluene-d8  
Concen: 29.058 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN074072.D  
Acq: 23 Aug 2022 16:50

Tgt Ion: 98 Resp: 512885  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.6 76.0

