

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090823\  
 Data File : VN079194.D  
 Acq On : 08 Sep 2023 13:51  
 Operator : JC\MD  
 Sample : 04320-03RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 001-WILLETS-PT-BLVD(JULY)

Quant Time: Sep 08 17:20:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 08 05:09:17 2023  
 Response via : Initial Calibration

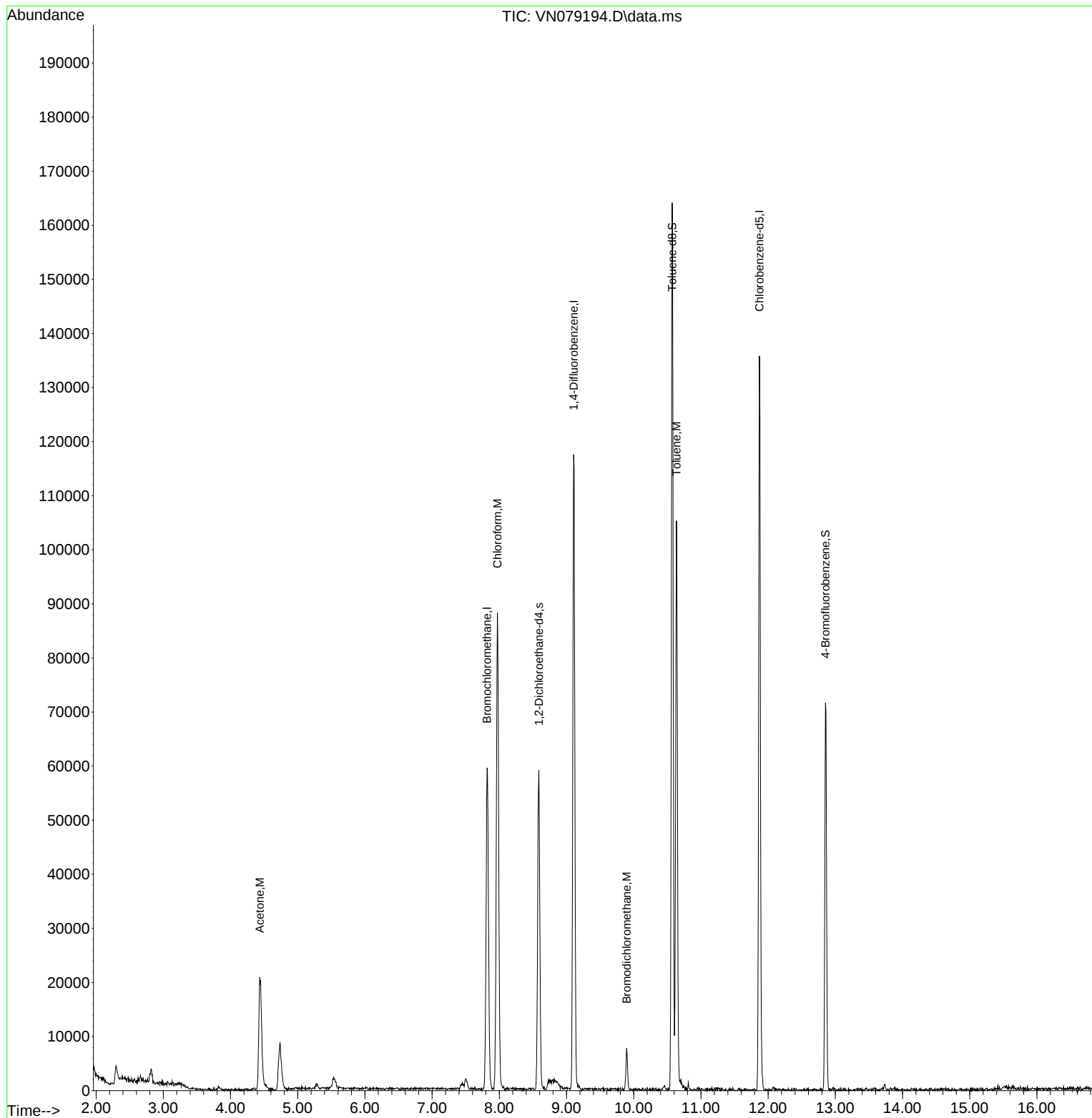
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.818  | 128   | 21511    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.106  | 114   | 103584   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.871 | 117   | 82844    | 30.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.588  | 65    | 49987    | 30.930   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 103.100% |
| 60) 4-Bromofluorobenzene    | 12.853 | 95    | 26536    | 21.739   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 72.467%  |
| 63) Toluene-d8              | 10.571 | 98    | 115754   | 29.898   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 99.667%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 15) Acetone                 | 4.436  | 58    | 13092    | 97.018   | ug/l   | 92       |
| 25) Chloroform              | 7.971  | 83    | 88186    | 34.394   | ug/l   | 99       |
| 41) Bromodichloromethane    | 9.894  | 83    | 5318     | 2.972    | ug/l # | 95       |
| 62) Toluene                 | 10.635 | 91    | 80857    | 16.763   | ug/l   | 100      |
| -----                       |        |       |          |          |        |          |

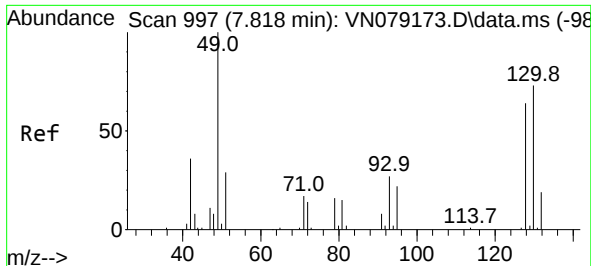
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(JULY)

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QLast Update : Fri Sep 08 05:09:17 2023  
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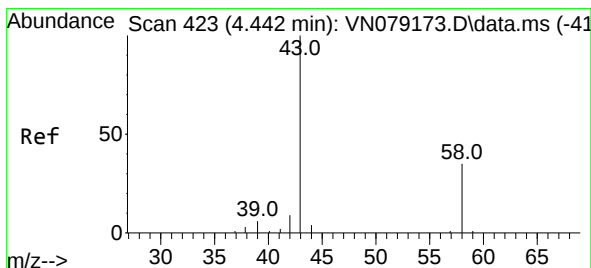
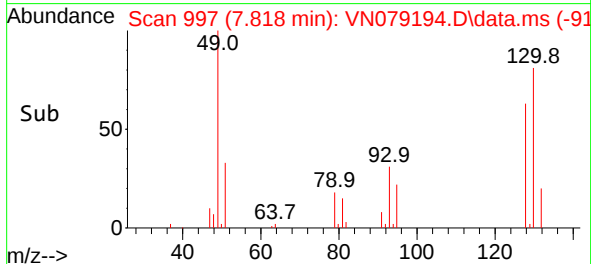
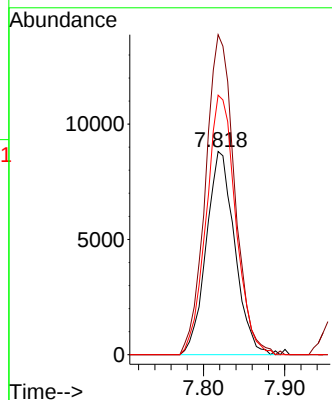
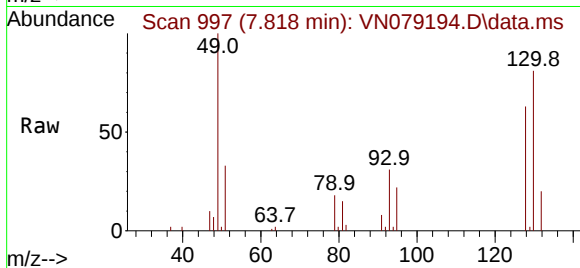




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN079194.D  
Acq: 08 Sep 2023 13:51

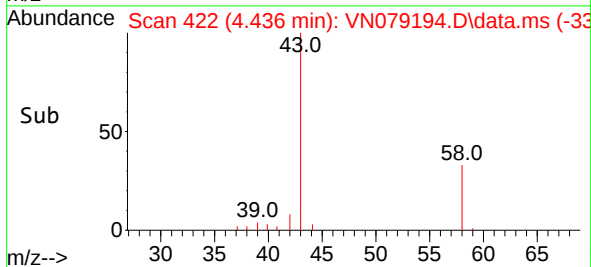
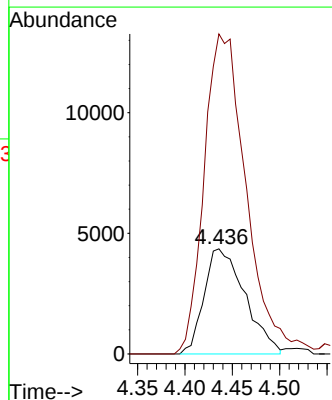
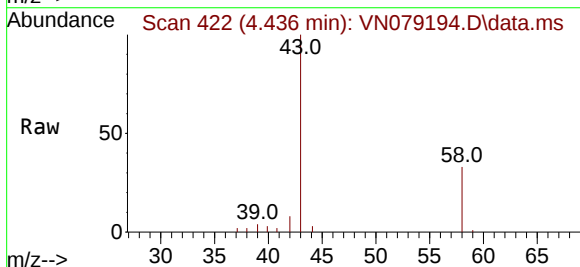
Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(JULY)

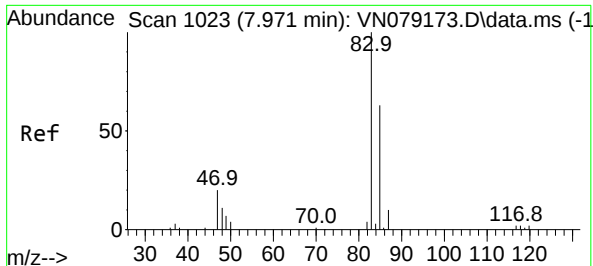
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 21511 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 160.6 | 0.0   | 414.3 |
| 130      | 131.8 | 0.0   | 311.0 |



#15  
Acetone  
Concen: 97.018 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VN079194.D  
Acq: 08 Sep 2023 13:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 58    | Resp: | 13092 |
| Ion      | Ratio | Lower | Upper |
| 58       | 100   |       |       |
| 43       | 299.8 | 228.3 | 342.5 |





#25

Chloroform

Concen: 34.394 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079194.D

Acq: 08 Sep 2023 13:51

Instrument :

MSVOA\_N

ClientSampleId :

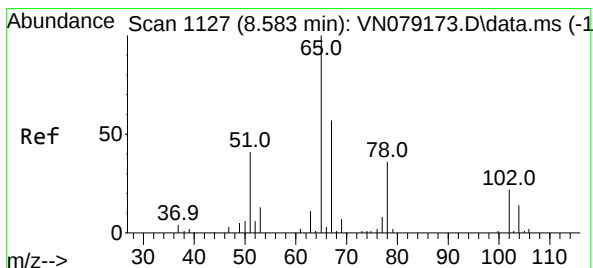
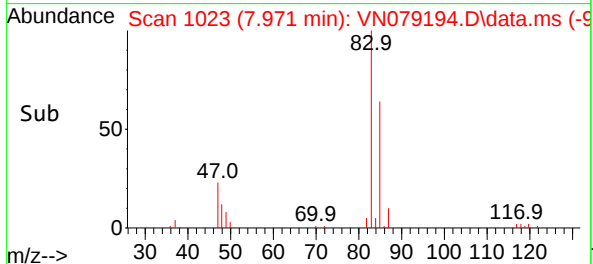
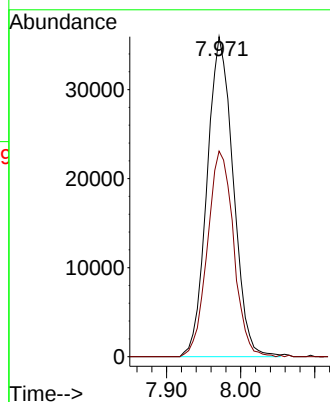
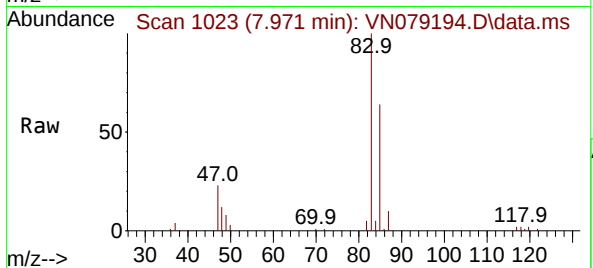
001-WILLETS-PT-BLVD(JULY)

Tgt Ion: 83 Resp: 88186

Ion Ratio Lower Upper

83 100

85 64.3 50.6 76.0



#27

1,2-Dichloroethane-d4

Concen: 30.930 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN079194.D

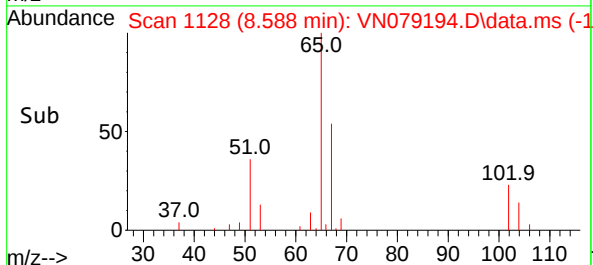
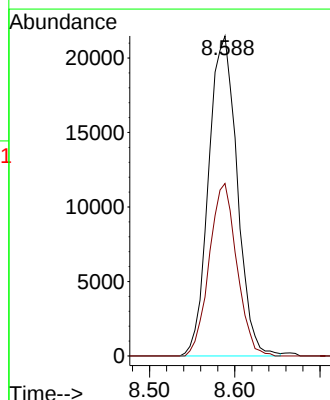
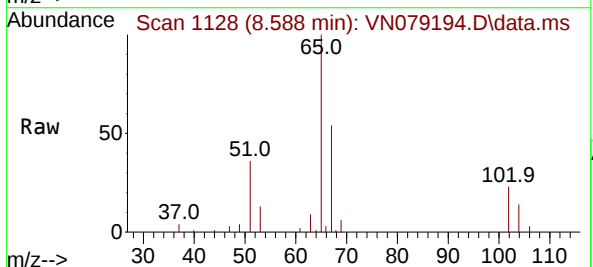
Acq: 08 Sep 2023 13:51

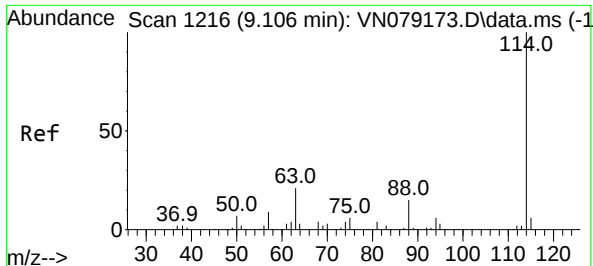
Tgt Ion: 65 Resp: 49987

Ion Ratio Lower Upper

65 100

67 52.0 44.4 66.6

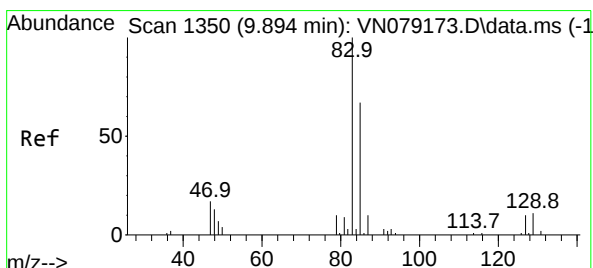
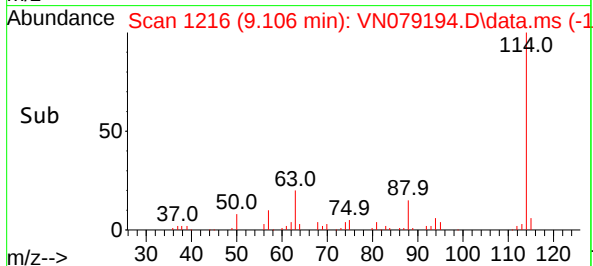
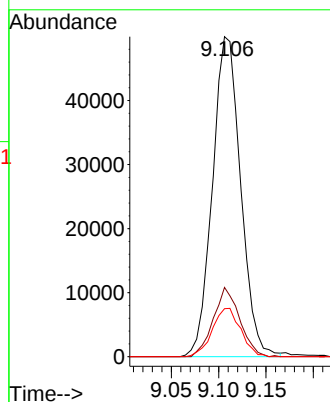
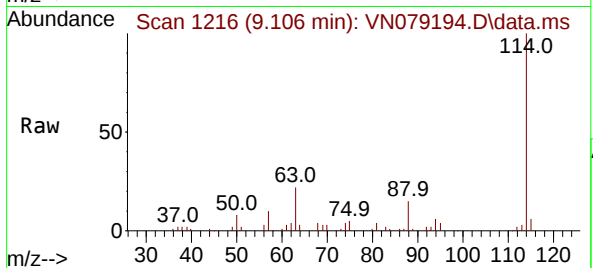




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079194.D  
Acq: 08 Sep 2023 13:51

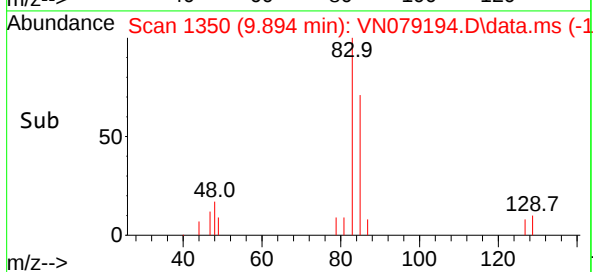
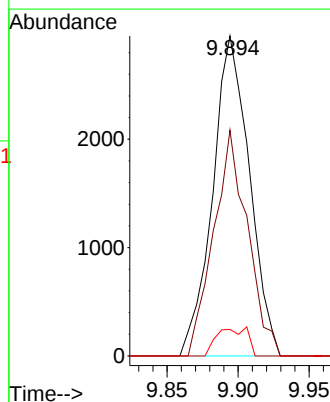
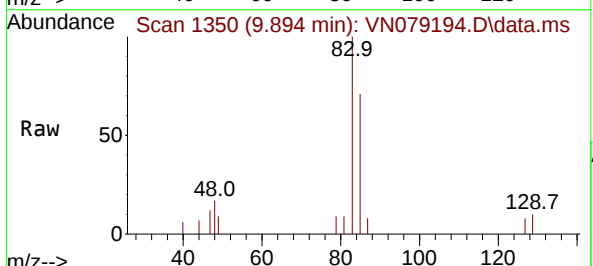
Instrument :  
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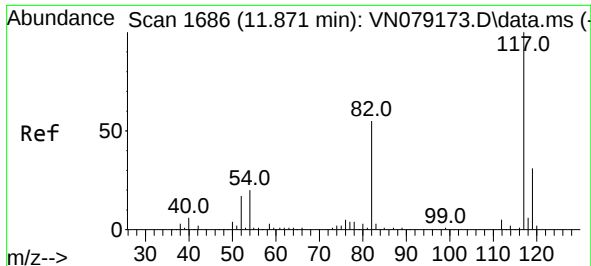
Tgt Ion:114 Resp: 103584  
Ion Ratio Lower Upper  
114 100  
63 20.2 17.0 25.4  
88 15.2 12.8 19.2



#41  
Bromodichloromethane  
Concen: 2.972 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN079194.D  
Acq: 08 Sep 2023 13:51

Tgt Ion: 83 Resp: 5318  
Ion Ratio Lower Upper  
83 100  
85 70.6 53.4 80.2  
127 8.3 8.3 12.5#

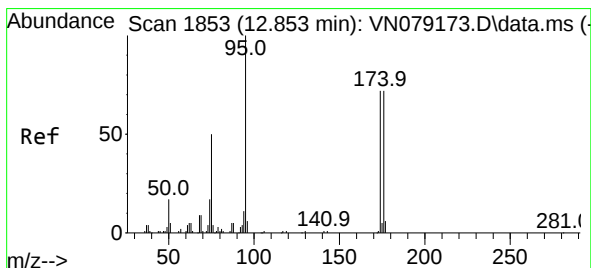
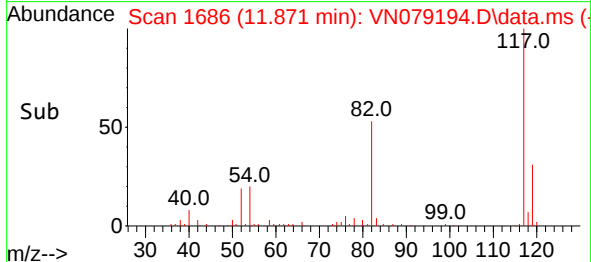
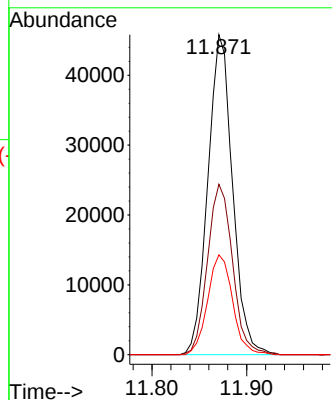
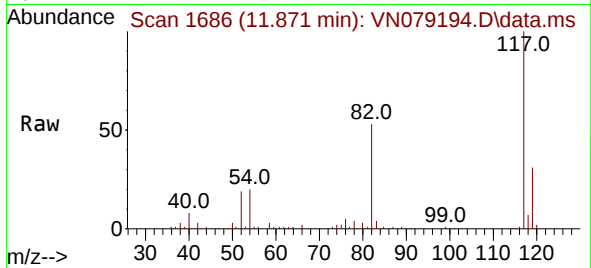




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN079194.D  
Acq: 08 Sep 2023 13:51

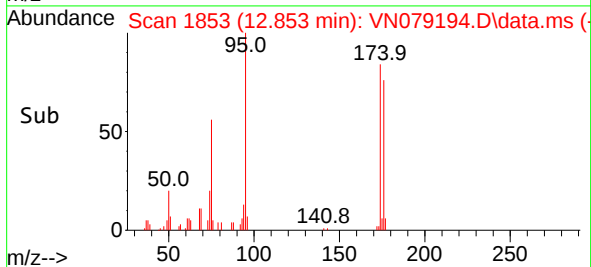
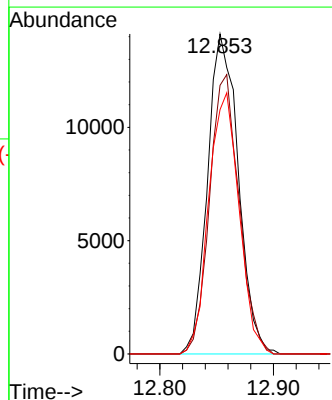
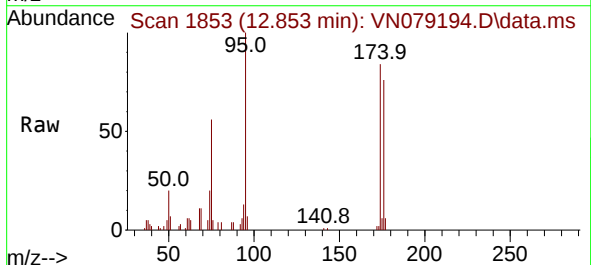
Instrument :  
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001-WILLETS-PT-BLVD(JULY)

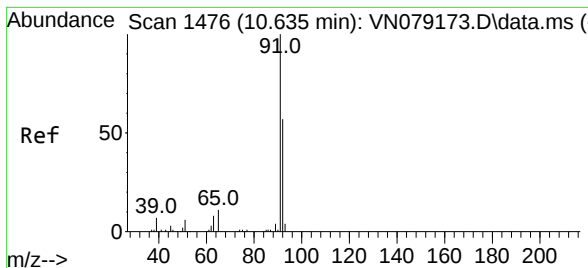
Tgt Ion:117 Resp: 82844  
Ion Ratio Lower Upper  
117 100  
82 54.1 44.7 67.1  
119 31.6 24.9 37.3



#60  
4-Bromofluorobenzene  
Concen: 21.739 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079194.D  
Acq: 08 Sep 2023 13:51

Tgt Ion: 95 Resp: 26536  
Ion Ratio Lower Upper  
95 100  
174 83.8 59.5 89.3  
176 80.4 59.1 88.7





#62

Toluene

Concen: 16.763 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079194.D

Acq: 08 Sep 2023 13:51

Instrument :

MSVOA\_N

ClientSampleId :

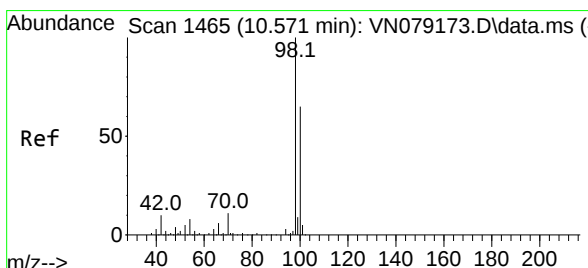
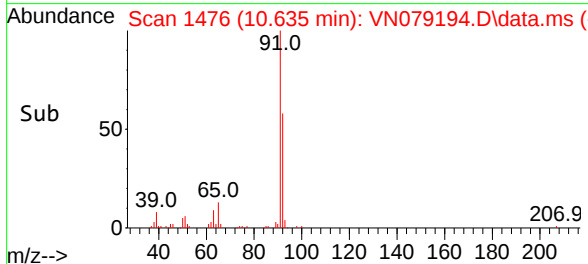
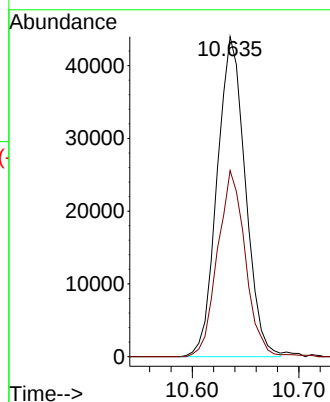
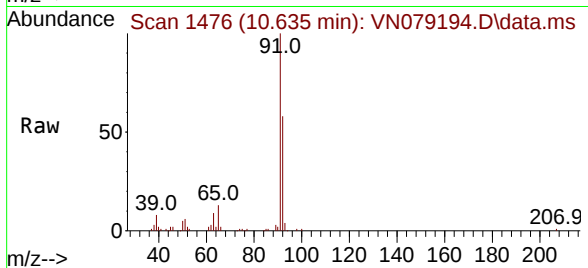
001-WILLETS-PT-BLVD(JULY)

Tgt Ion: 91 Resp: 80857

Ion Ratio Lower Upper

91 100

92 57.0 45.7 68.5



#63

Toluene-d8

Concen: 29.898 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079194.D

Acq: 08 Sep 2023 13:51

Tgt Ion: 98 Resp: 115754

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

