

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090223\  
 Data File : VN079148.D  
 Acq On : 02 Sep 2023 17:11  
 Operator : JC\MD  
 Sample : 04256-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1

Quant Time: Sep 04 01:06:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

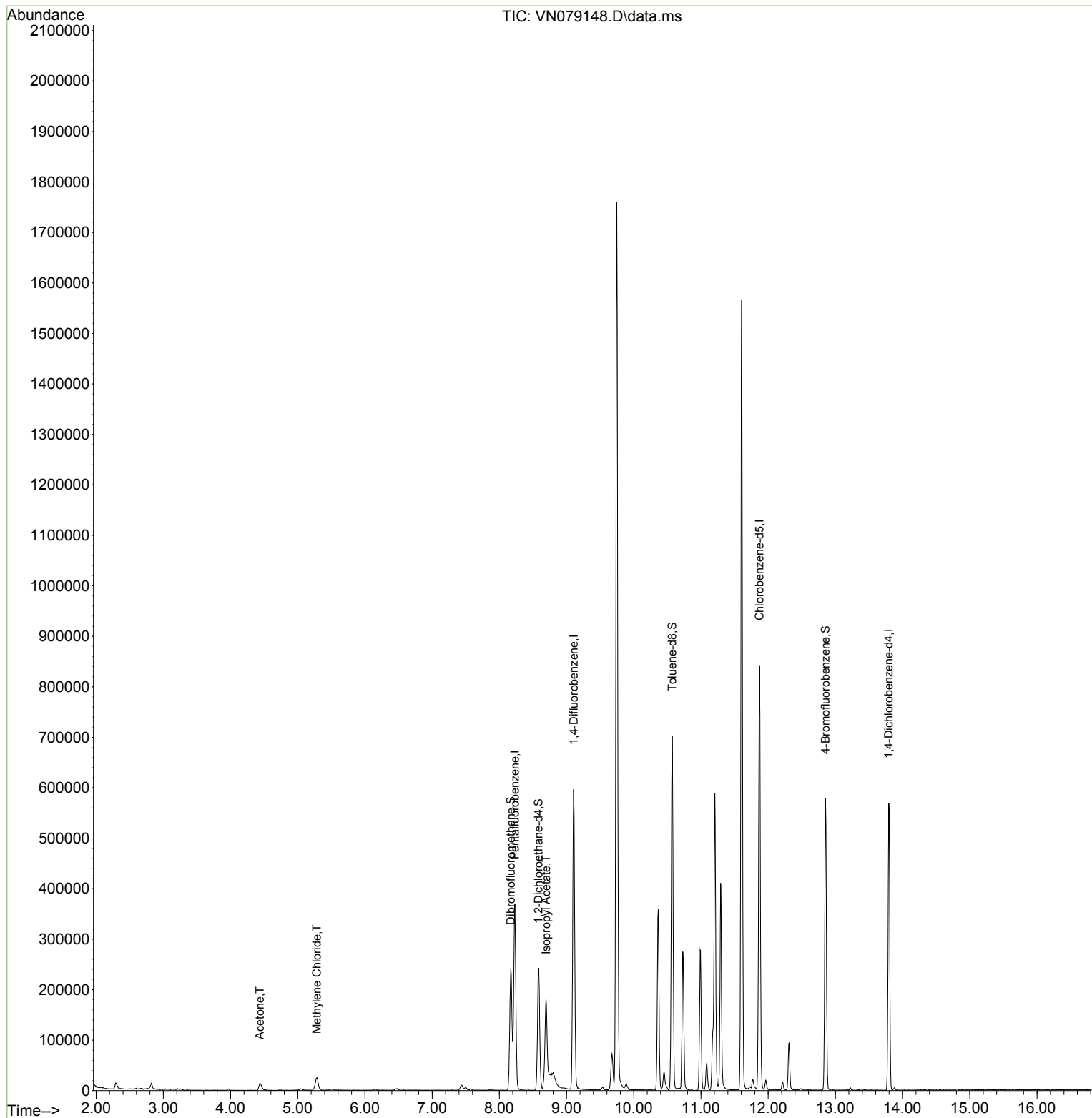
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 265605   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 515018   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 500225   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 158639   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 200241   | 48.449   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 96.900%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 176305   | 50.855   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 101.700% |
| 50) Toluene-d8              | 10.571 | 98    | 489759   | 38.046   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 76.100%# |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 205298   | 48.793   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 97.580%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.436  | 43    | 27083    | 15.881   | ug/l   | 100      |
| 20) Methylene Chloride      | 5.283  | 84    | 19887    | 5.472    | ug/l # | 93       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 223453   | 21.667   | ug/l # | 77       |
| -----                       |        |       |          |          |        |          |

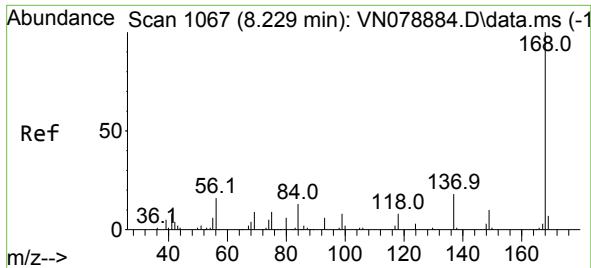
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023  
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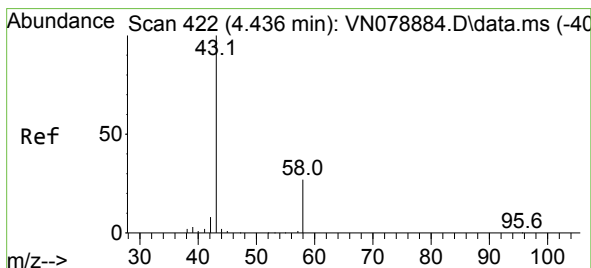
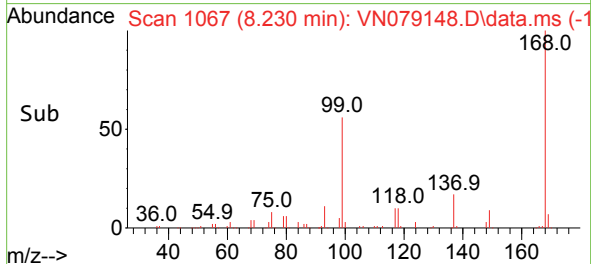
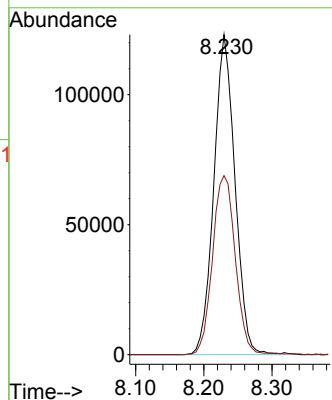
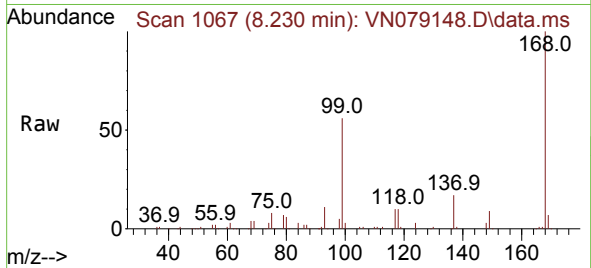




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN079148.D  
Acq: 02 Sep 2023 17:11

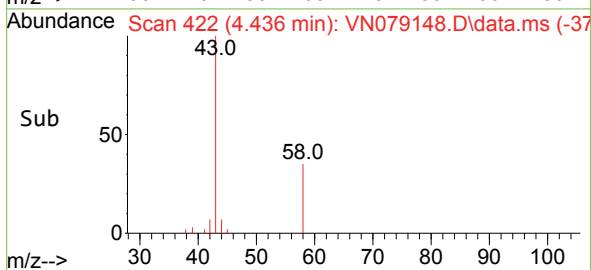
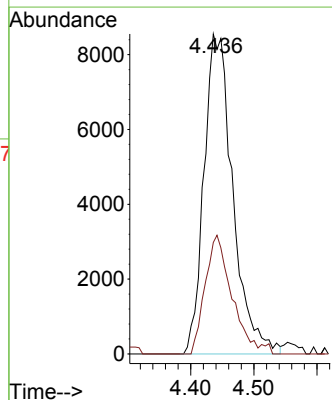
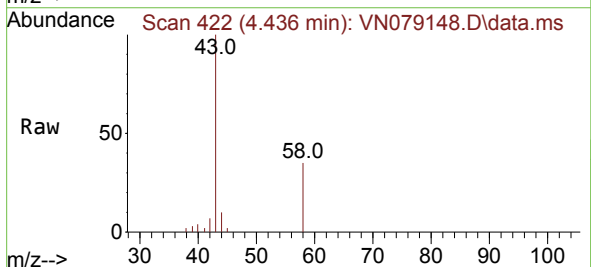
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1

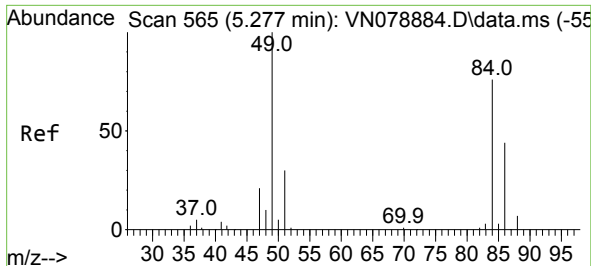
Tgt Ion:168 Resp: 265605  
Ion Ratio Lower Upper  
168 100  
99 55.9 53.0 79.6



#16  
Acetone  
Concen: 15.881 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VN079148.D  
Acq: 02 Sep 2023 17:11

Tgt Ion: 43 Resp: 27083  
Ion Ratio Lower Upper  
43 100  
58 34.9 28.0 42.0

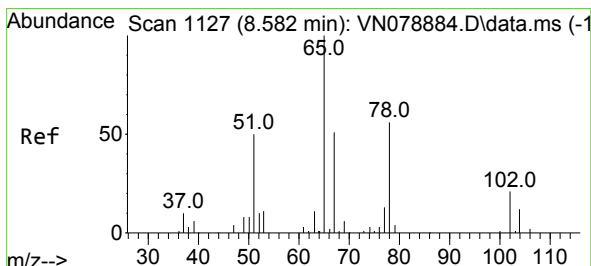
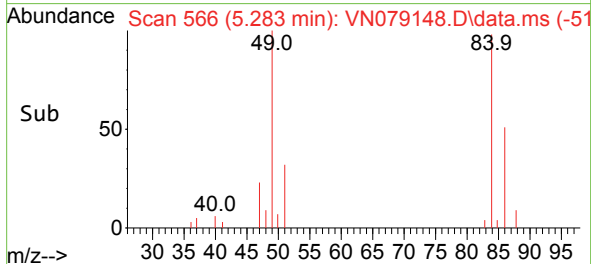
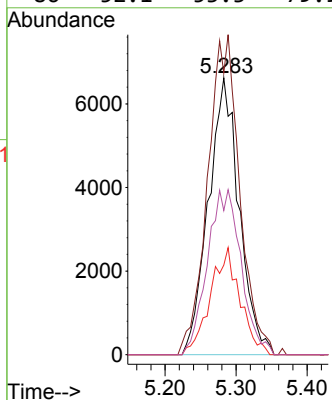
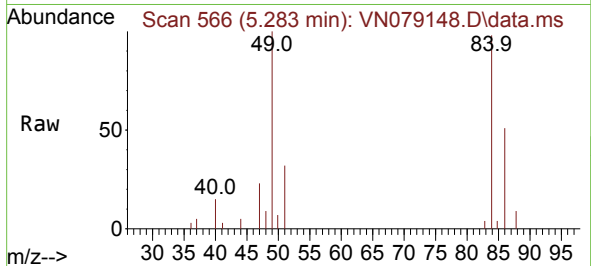




#20  
Methylene Chloride  
Concen: 5.472 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN079148.D  
Acq: 02 Sep 2023 17:11

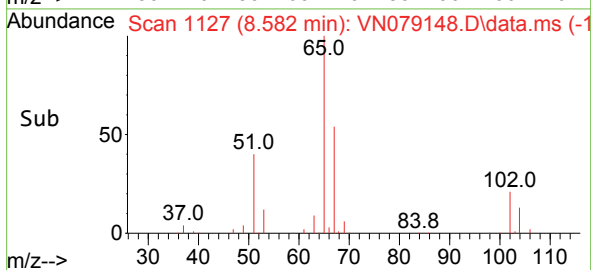
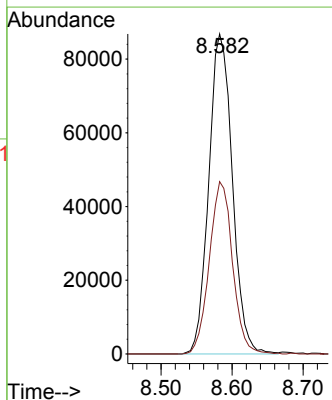
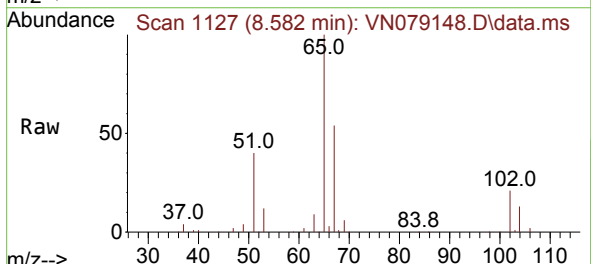
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1

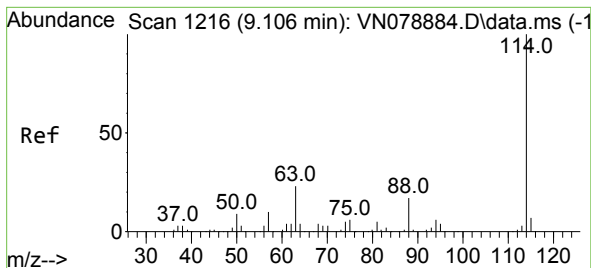
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 19887 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.7 | 79.7  | 119.5 |
| 51       | 32.4  | 25.2  | 37.8  |
| 86       | 52.1  | 53.3  | 79.9# |



#33  
1,2-Dichloroethane-d4  
Concen: 48.449 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079148.D  
Acq: 02 Sep 2023 17:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 200241 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.1  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079148.D

Acq: 02 Sep 2023 17:11

Instrument :

MSVOA\_N

ClientSampleId :

MW-1

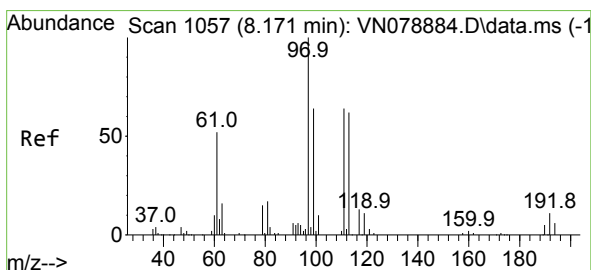
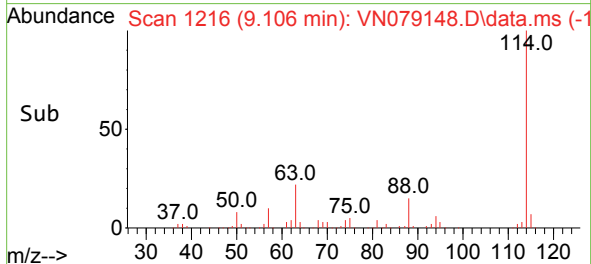
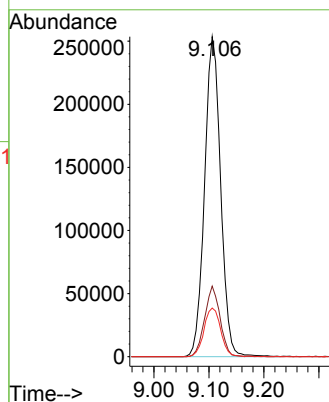
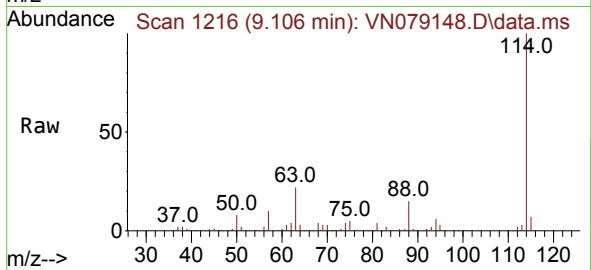
Tgt Ion:114 Resp: 515018

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.855 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079148.D

Acq: 02 Sep 2023 17:11

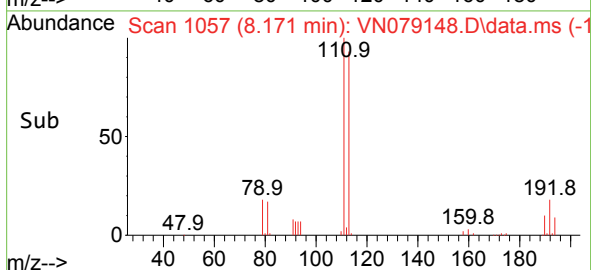
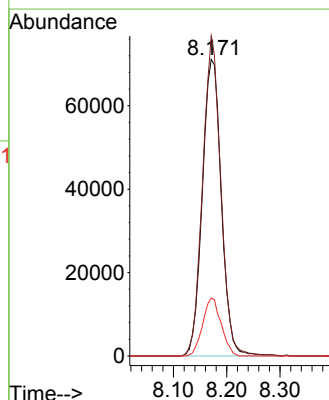
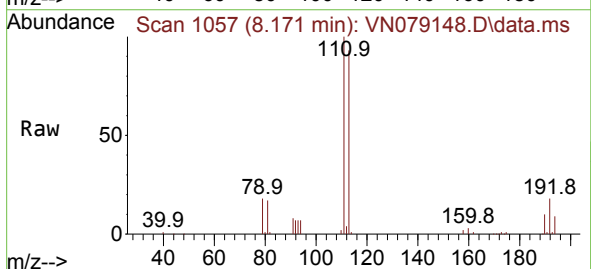
Tgt Ion:113 Resp: 176305

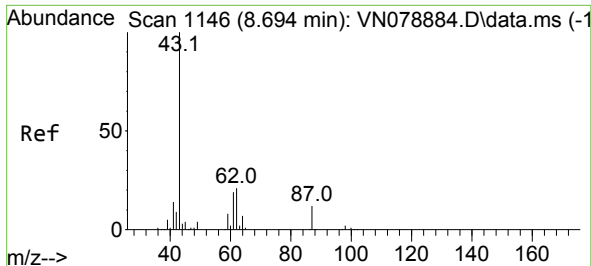
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 18.9 12.7 19.1

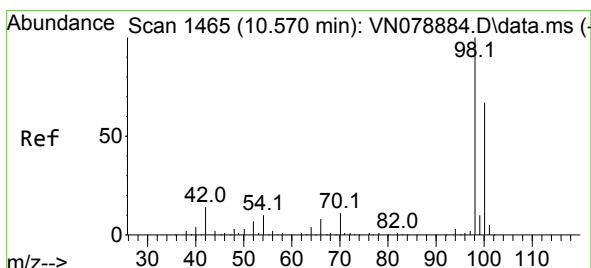
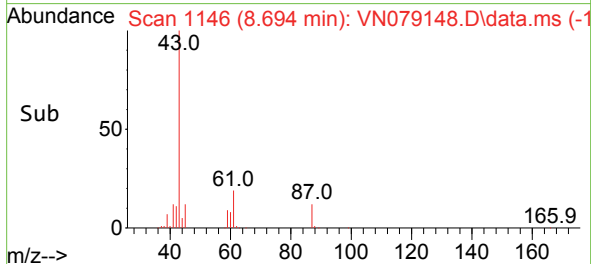
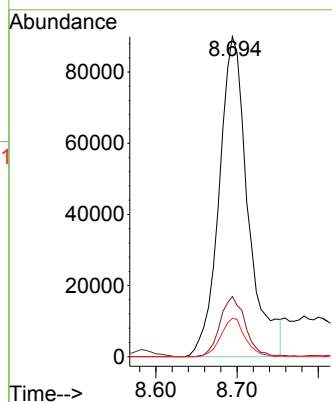
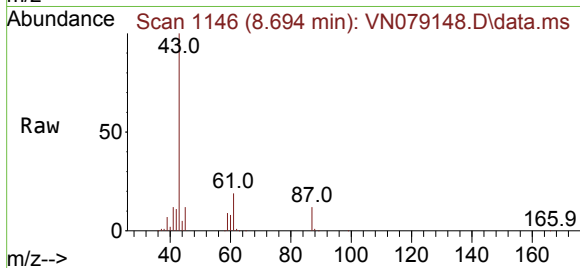




#43  
Isopropyl Acetate  
Concen: 21.667 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079148.D  
Acq: 02 Sep 2023 17:11

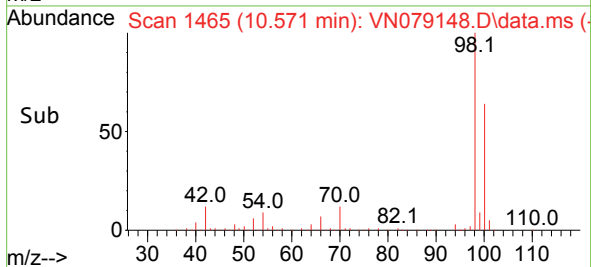
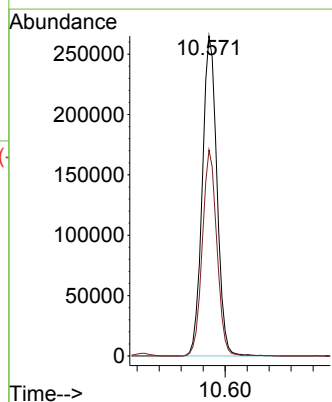
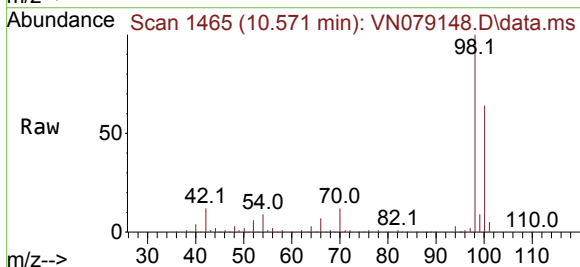
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1

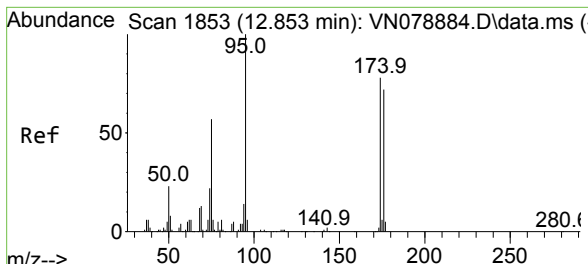
Tgt Ion: 43 Resp: 223453  
Ion Ratio Lower Upper  
43 100  
61 16.5 24.7 37.1#  
87 10.1 14.6 21.8#



#50  
Toluene-d8  
Concen: 38.046 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079148.D  
Acq: 02 Sep 2023 17:11

Tgt Ion: 98 Resp: 489759  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.0 78.0

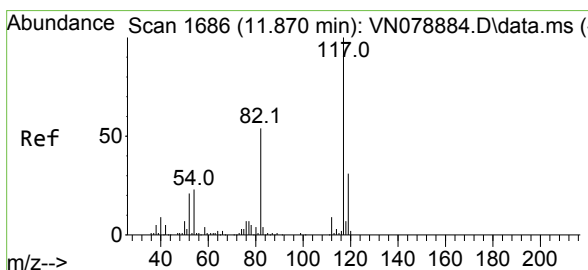
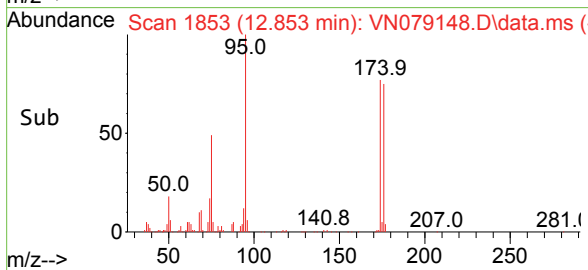
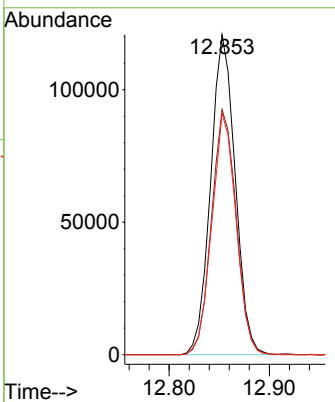
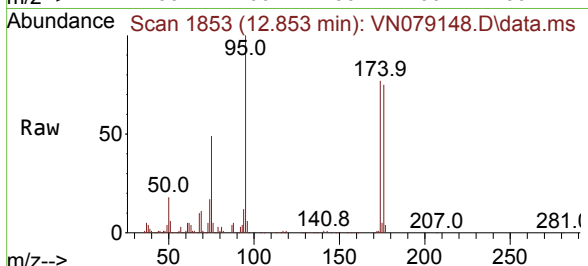




#62  
 4-Bromofluorobenzene  
 Concen: 48.793 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. -0.000 min  
 Lab File: VN079148.D  
 Acq: 02 Sep 2023 17:11

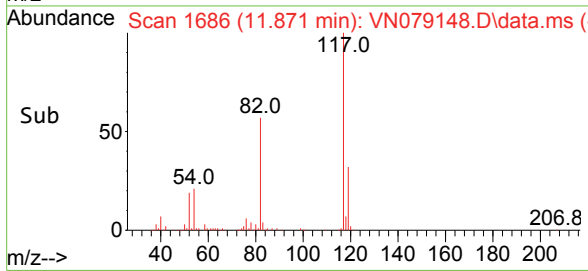
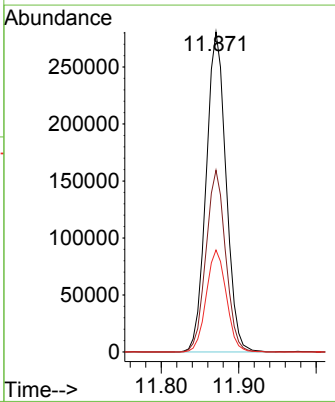
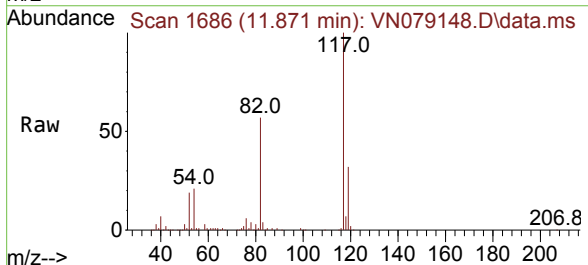
Instrument :  
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 ClientSampleId :  
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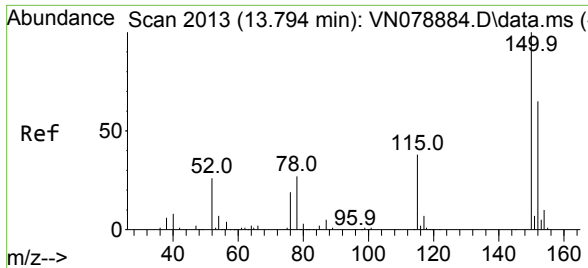
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 205298 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 77.2  | 0.0   | 143.8  |
| 176      | 74.3  | 0.0   | 135.8  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. -0.000 min  
 Lab File: VN079148.D  
 Acq: 02 Sep 2023 17:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 500225 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.8  | 44.0  | 66.0   |
| 119      | 31.8  | 25.6  | 38.4   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN079148.D  
 Acq: 02 Sep 2023 17:11

Instrument :  
 MSVOA\_N  
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Tgt Ion:152 Resp: 158639  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 32.3 96.8  
 150 158.8 0.0 355.8

