

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092623\  
 Data File : VN079351.D  
 Acq On : 26 Sep 2023 13:44  
 Operator : JC\MD  
 Sample : 04601-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-2

Quant Time: Sep 27 06:26:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 05:05:24 2023  
 Response via : Initial Calibration

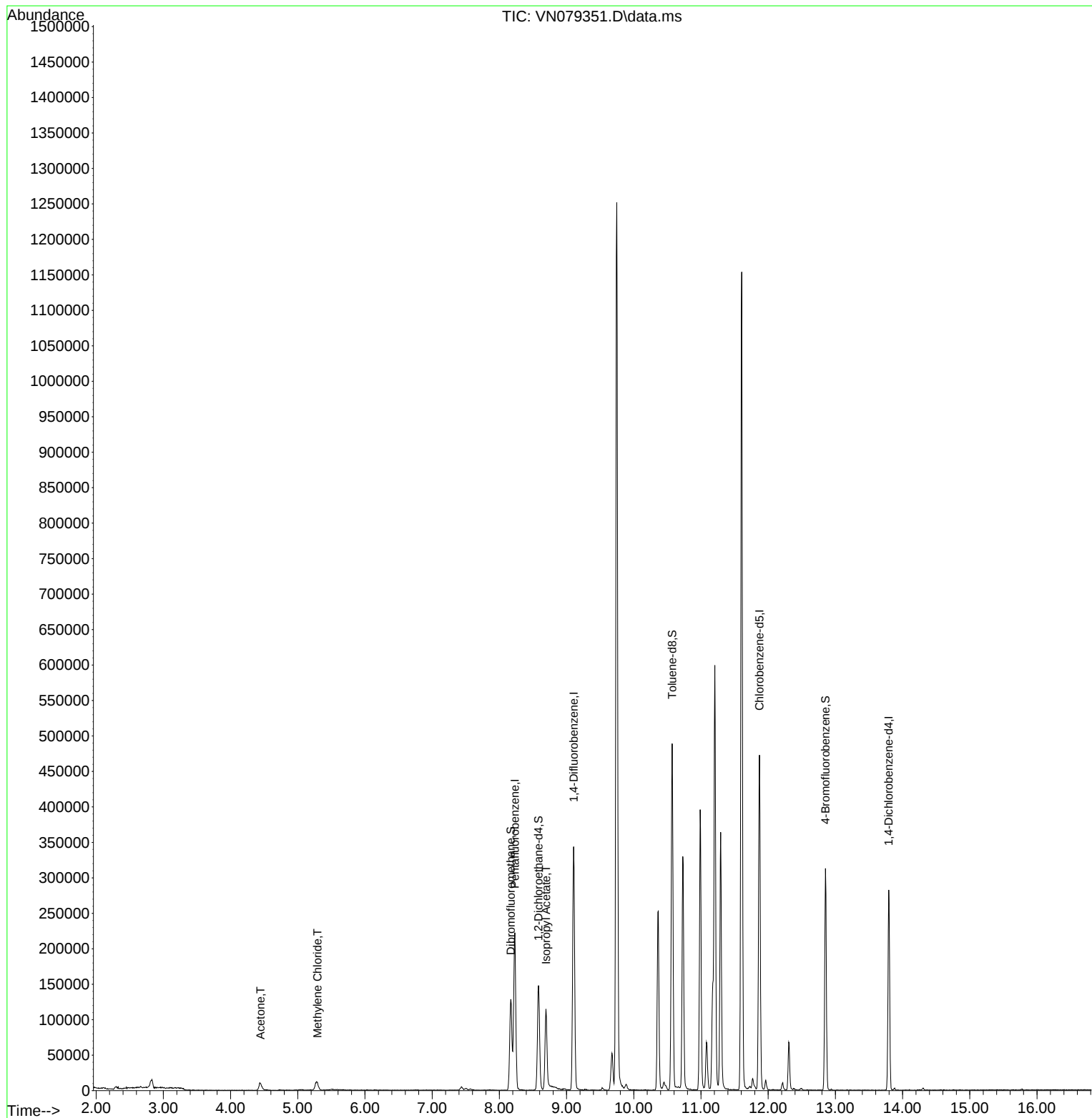
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 152390   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 285817   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 259889   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 72671    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 117032   | 56.891   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 113.780% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 92990    | 48.911   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 97.820%  |
| 50) Toluene-d8              | 10.571    | 98    | 328746   | 47.092   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 94.180%  |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 100460   | 45.115   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 90.220%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.447     | 43    | 20043    | 22.941   | ug/l   | 95       |
| 20) Methylene Chloride      | 5.294     | 84    | 9563     | 4.498    | ug/l # | 89       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 128782   | 27.002   | ug/l # | 80       |
| -----                       |           |       |          |          |        |          |

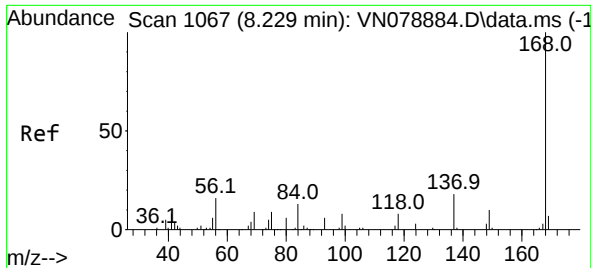
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 06:26:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration

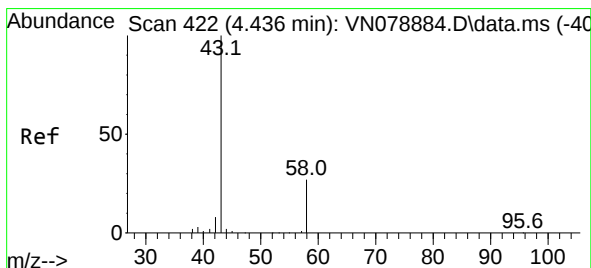
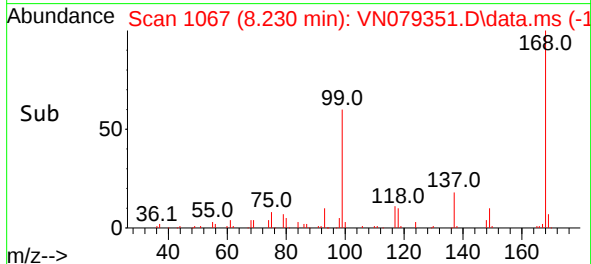
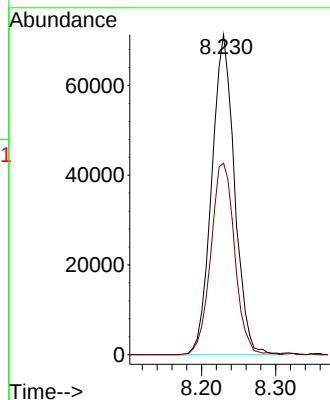
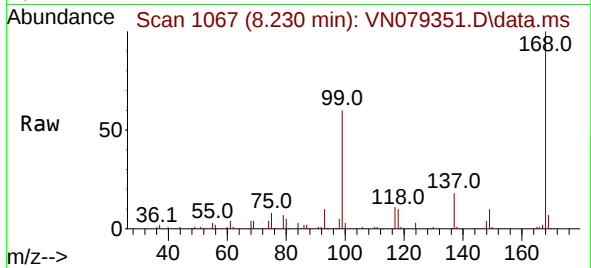




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079351.D  
Acq: 26 Sep 2023 13:44

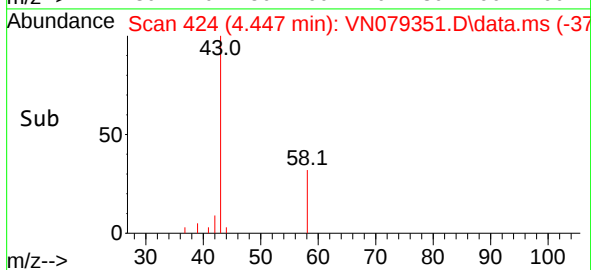
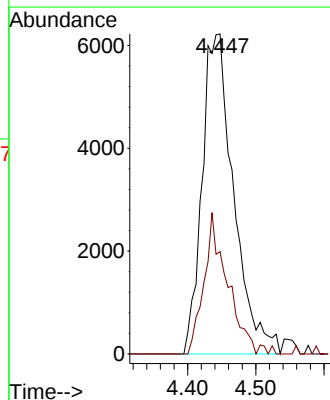
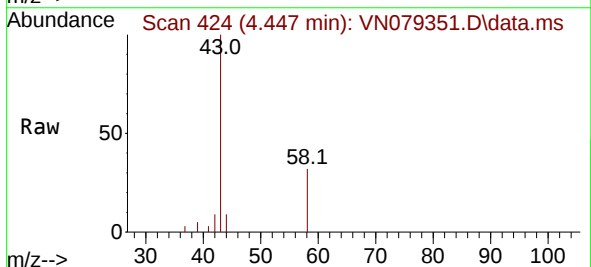
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

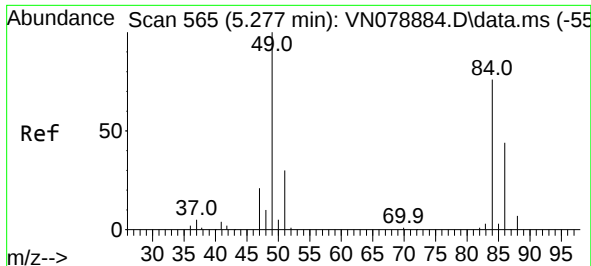
Tgt Ion:168 Resp: 152390  
Ion Ratio Lower Upper  
168 100  
99 59.8 53.0 79.6



#16  
Acetone  
Concen: 22.941 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.005 min  
Lab File: VN079351.D  
Acq: 26 Sep 2023 13:44

Tgt Ion: 43 Resp: 20043  
Ion Ratio Lower Upper  
43 100  
58 31.9 28.0 42.0

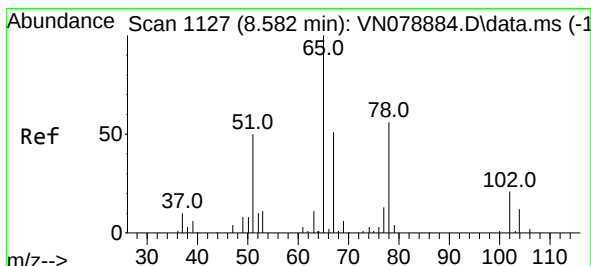
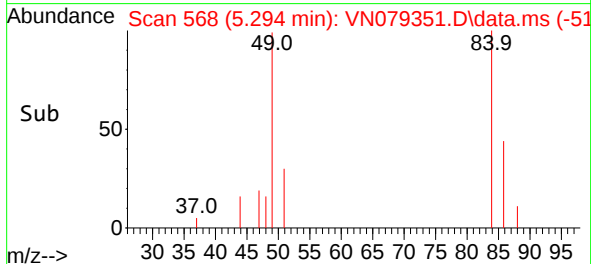
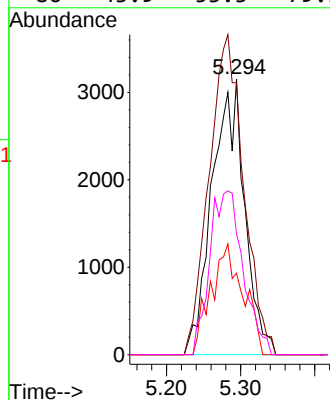
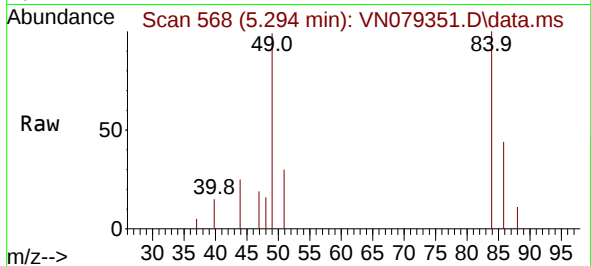




#20  
Methylene Chloride  
Concen: 4.498 ug/l  
RT: 5.294 min Scan# 51  
Delta R.T. 0.011 min  
Lab File: VN079351.D  
Acq: 26 Sep 2023 13:44

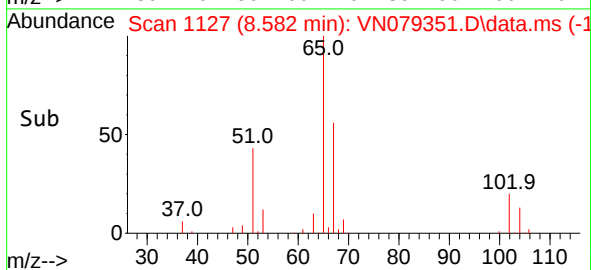
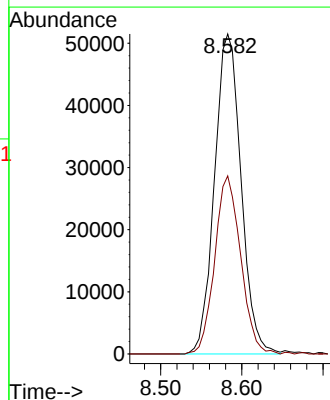
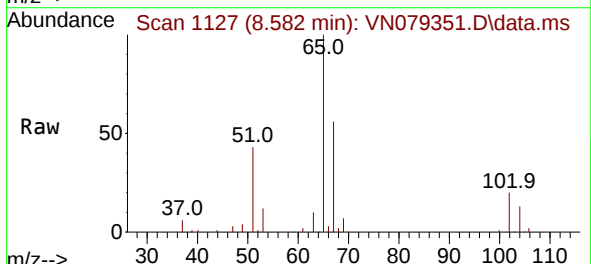
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

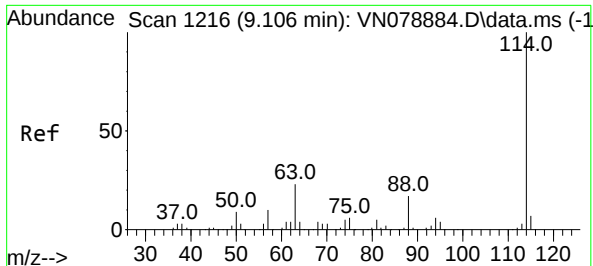
Tgt Ion: 84 Resp: 9563  
Ion Ratio Lower Upper  
84 100  
49 98.7 79.7 119.5  
51 29.6 25.2 37.8  
86 43.9 53.3 79.9#



#33  
1,2-Dichloroethane-d4  
Concen: 56.891 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079351.D  
Acq: 26 Sep 2023 13:44

Tgt Ion: 65 Resp: 117032  
Ion Ratio Lower Upper  
65 100  
67 54.2 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: VN079351.D

Acq: 26 Sep 2023 13:44

Instrument :

MSVOA\_N

ClientSampleId :

TP-2

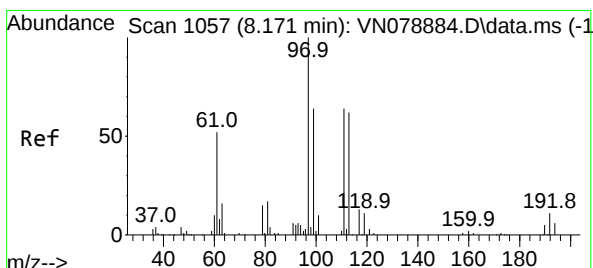
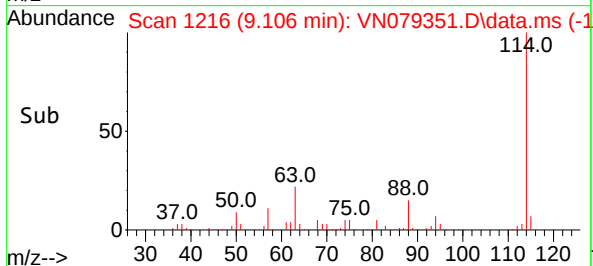
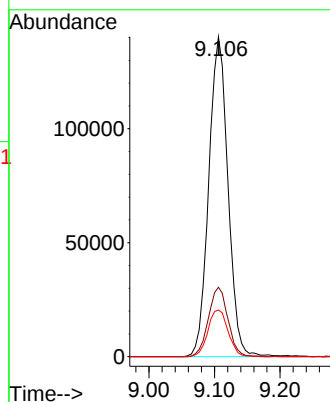
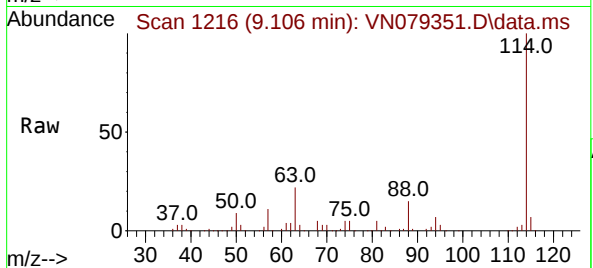
Tgt Ion:114 Resp: 285817

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.911 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079351.D

Acq: 26 Sep 2023 13:44

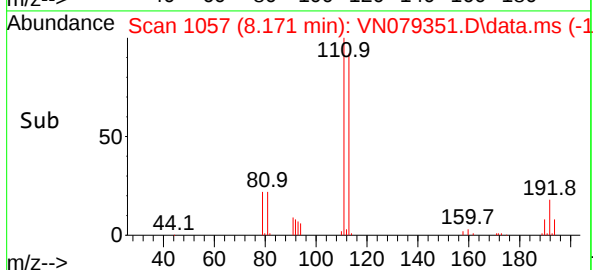
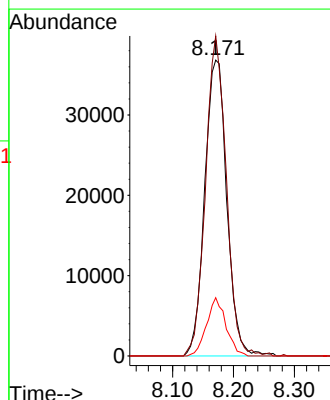
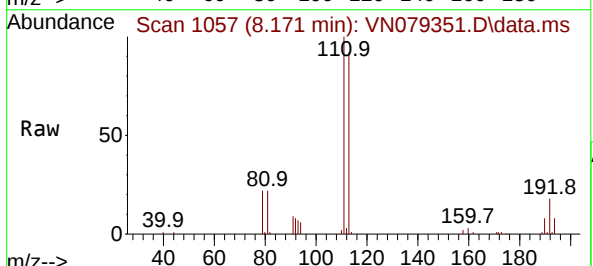
Tgt Ion:113 Resp: 92990

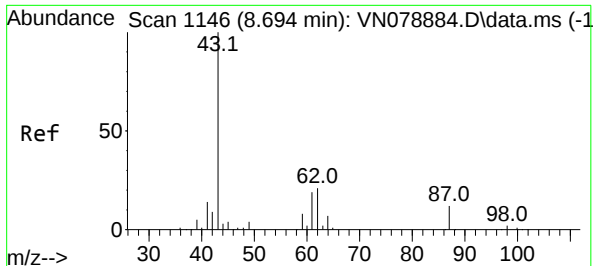
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 17.3 12.7 19.1





#43

Isopropyl Acetate

Concen: 27.002 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079351.D

Acq: 26 Sep 2023 13:44

Instrument :

MSVOA\_N

ClientSampleId :

TP-2

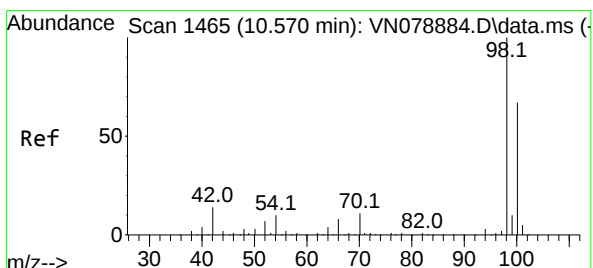
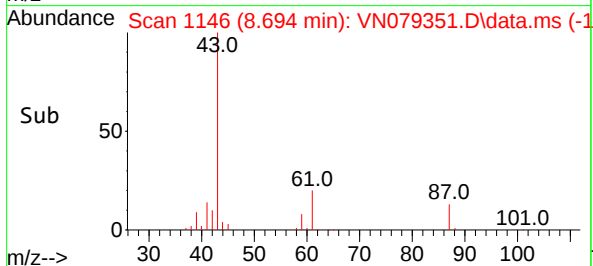
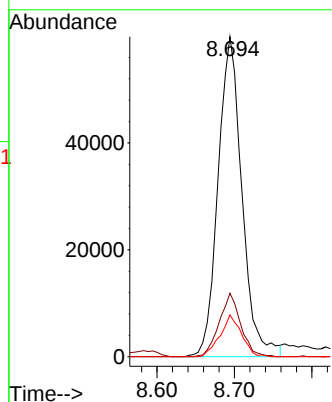
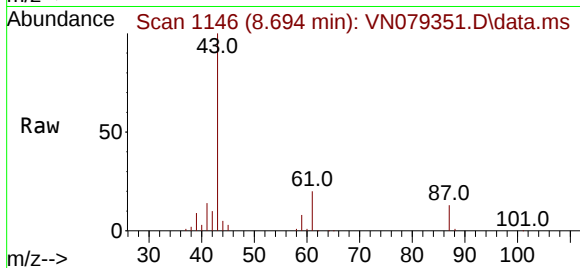
Tgt Ion: 43 Resp: 128782

Ion Ratio Lower Upper

43 100

61 17.8 24.7 37.1#

87 11.7 14.6 21.8#



#50

Toluene-d8

Concen: 47.092 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079351.D

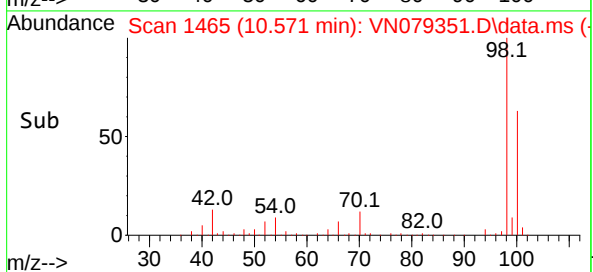
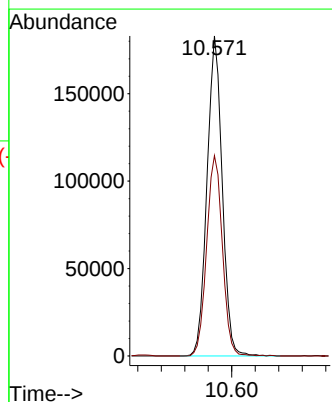
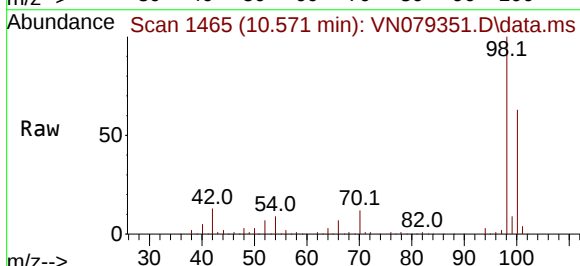
Acq: 26 Sep 2023 13:44

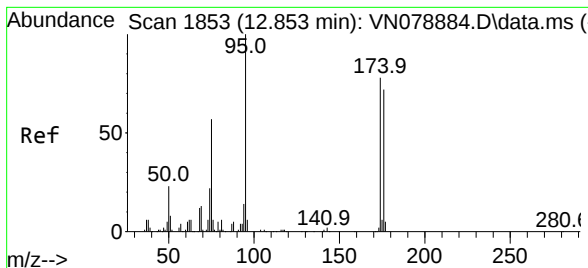
Tgt Ion: 98 Resp: 328746

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

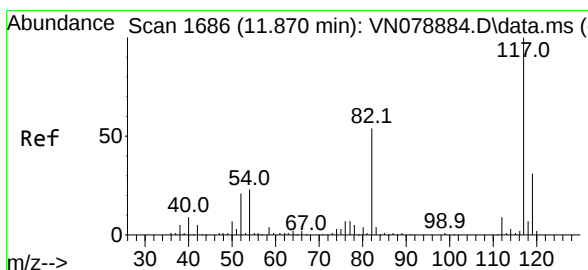
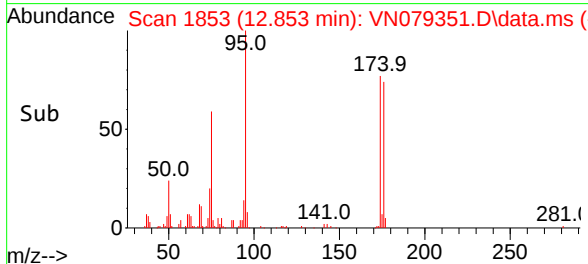
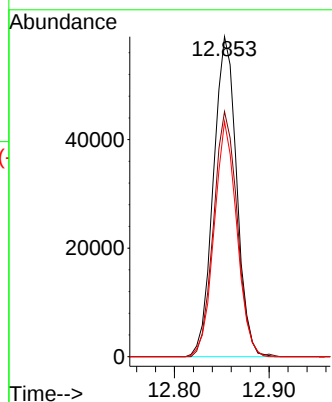
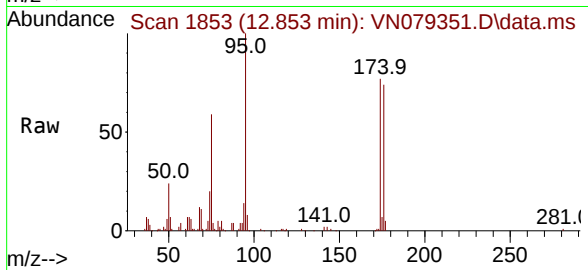




#62  
4-Bromofluorobenzene  
Concen: 45.115 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079351.D  
Acq: 26 Sep 2023 13:44

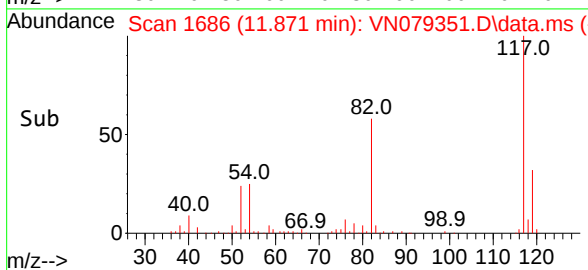
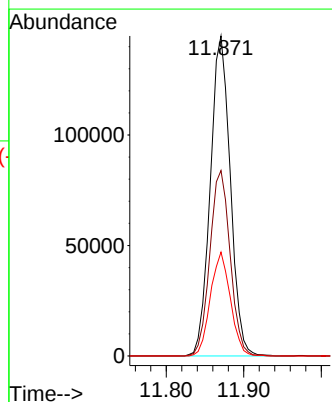
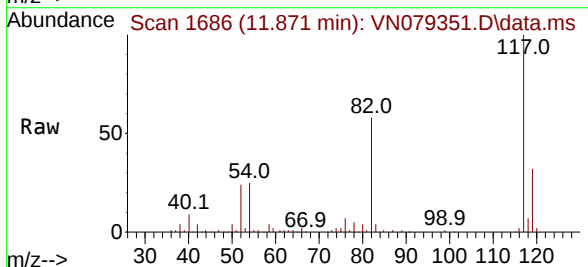
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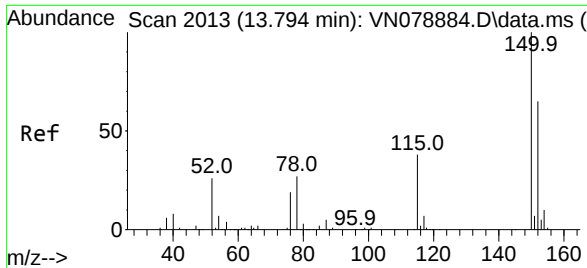
Tgt Ion: 95 Resp: 100460  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 143.8  
176 71.6 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.001 min  
Lab File: VN079351.D  
Acq: 26 Sep 2023 13:44

Tgt Ion: 117 Resp: 259889  
Ion Ratio Lower Upper  
117 100  
82 57.9 44.0 66.0  
119 32.4 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: VN079351.D  
 Acq: 26 Sep 2023 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-2

Tgt Ion:152 Resp: 72671  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 32.3 96.8  
 150 158.7 0.0 355.8

