

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022724\  
 Data File : VN081226.D  
 Acq On : 27 Feb 2024 18:00  
 Operator : JC\MD  
 Sample : P1590-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT158S1-20240222

Quant Time: Feb 28 04:22:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

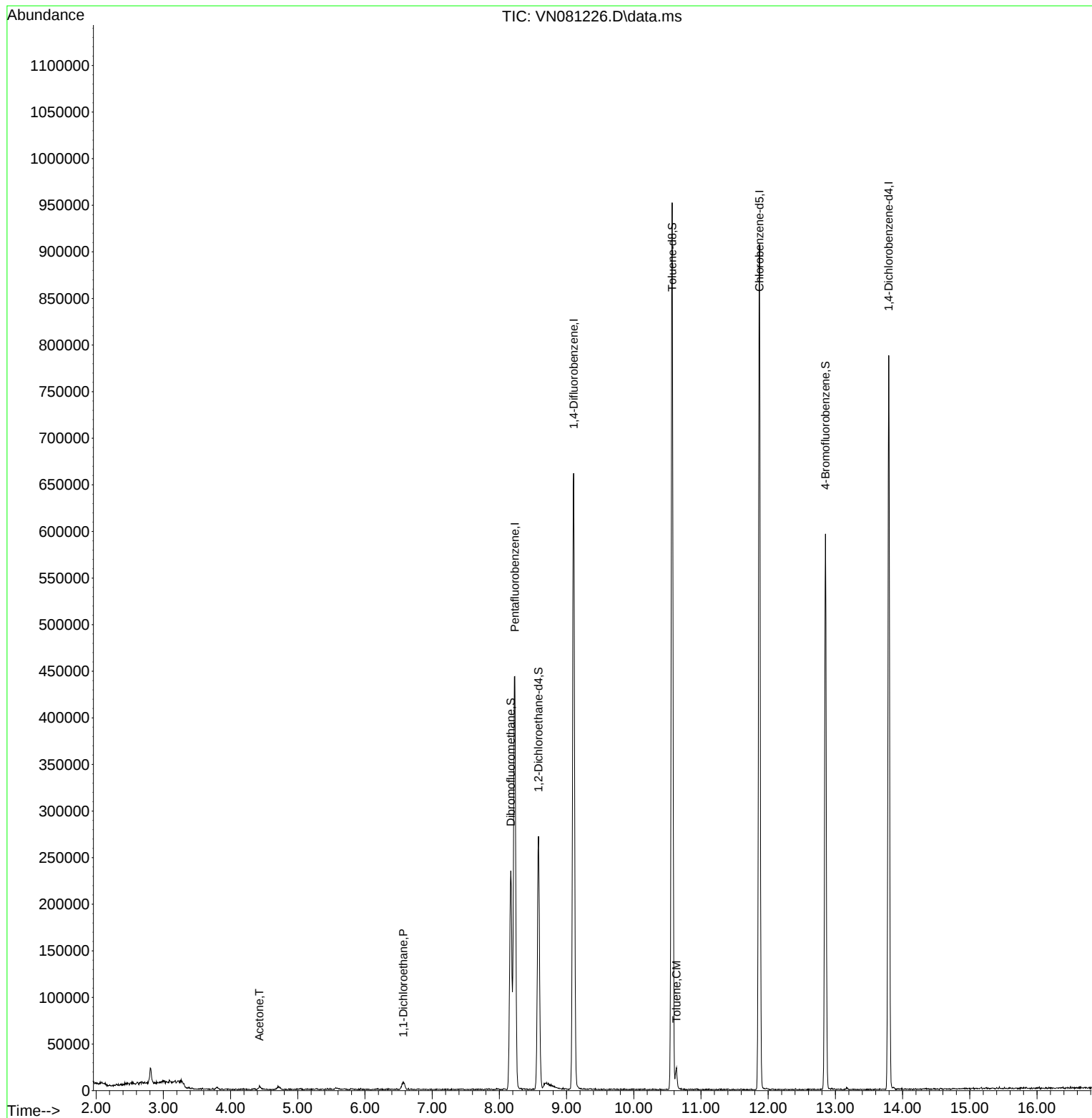
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.229     | 168   | 307864   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 570630   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870    | 117   | 509779   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 198349   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 212306   | 56.262   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 112.520% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 167860   | 52.022   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 104.040% |
| 50) Toluene-d8              | 10.571    | 98    | 639906   | 55.836   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 111.680% |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 204402   | 47.466   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 94.940%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.430     | 43    | 5015     | 3.378    | ug/l # | 86       |
| 24) 1,1-Dichloroethane      | 6.571     | 63    | 11430    | 1.687    | ug/l # | 85       |
| 52) Toluene                 | 10.635    | 92    | 8959     | 0.884    | ug/l   | 93       |
| -----                       |           |       |          |          |        |          |

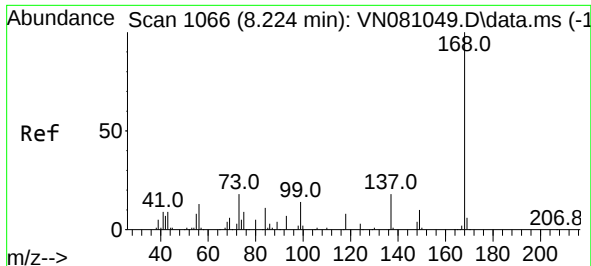
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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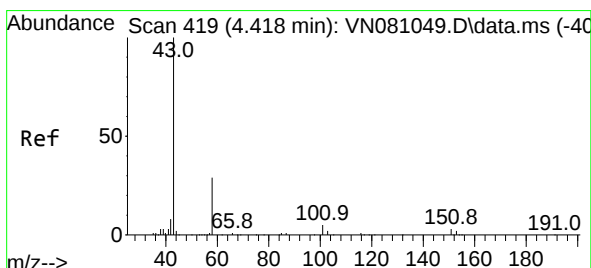
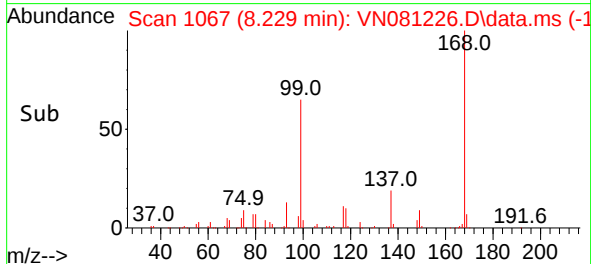
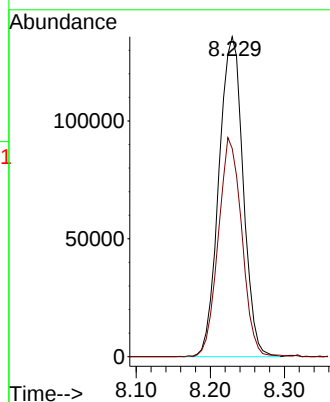
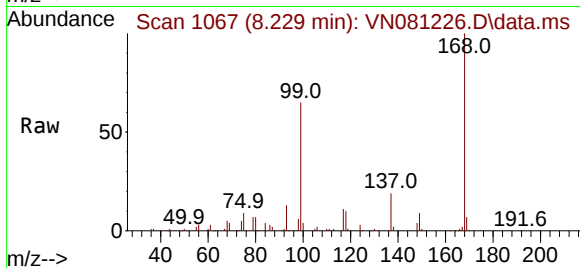




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN081226.D  
Acq: 27 Feb 2024 18:00

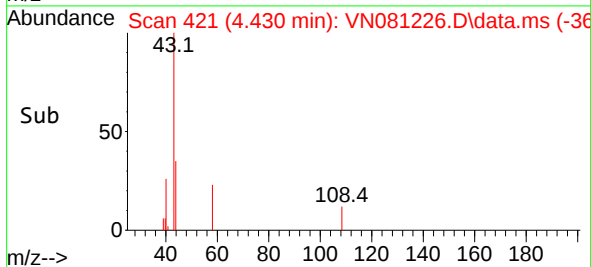
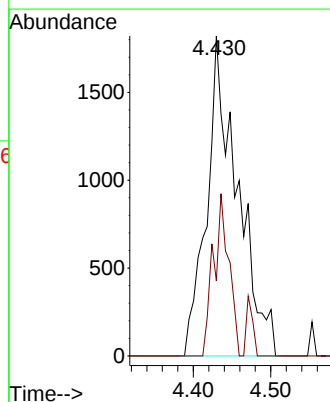
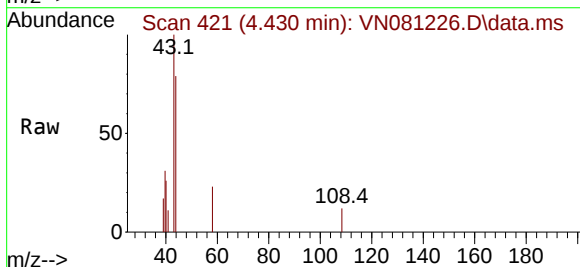
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT158S1-20240222

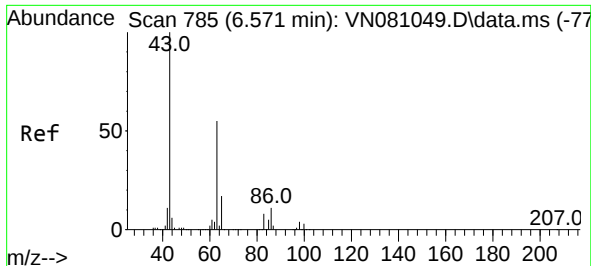
Tgt Ion:168 Resp: 307864  
Ion Ratio Lower Upper  
168 100  
99 64.9 59.9 89.9



#16  
Acetone  
Concen: 3.378 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN081226.D  
Acq: 27 Feb 2024 18:00

Tgt Ion: 43 Resp: 5015  
Ion Ratio Lower Upper  
43 100  
58 23.4 24.8 37.2#

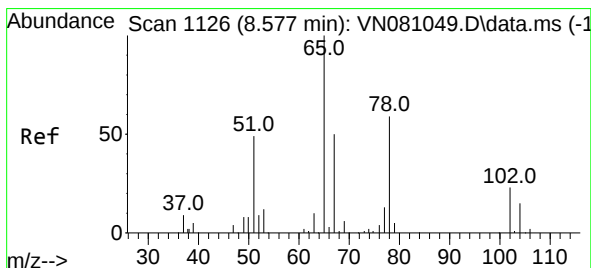
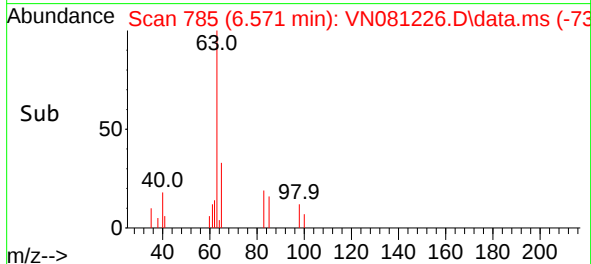
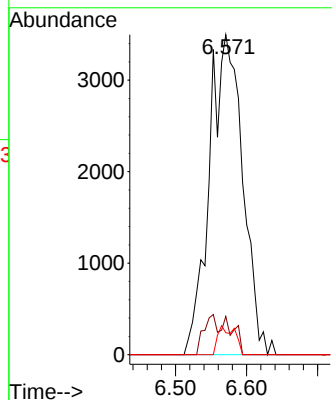
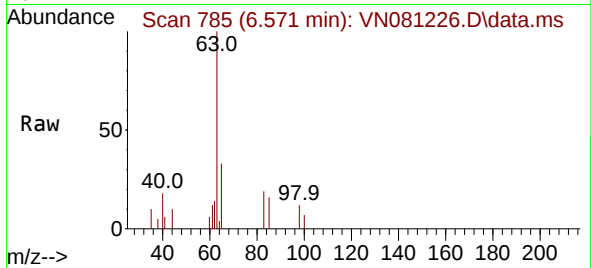




#24  
 1,1-Dichloroethane  
 Concen: 1.687 ug/l  
 RT: 6.571 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VN081226.D  
 Acq: 27 Feb 2024 18:00

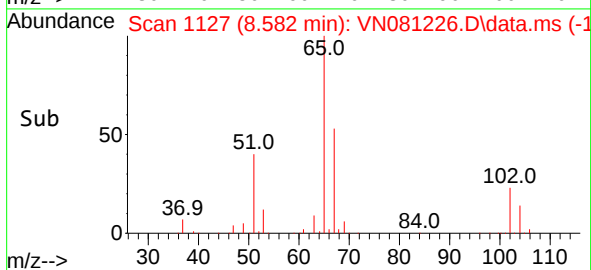
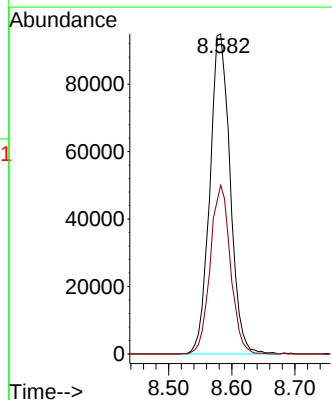
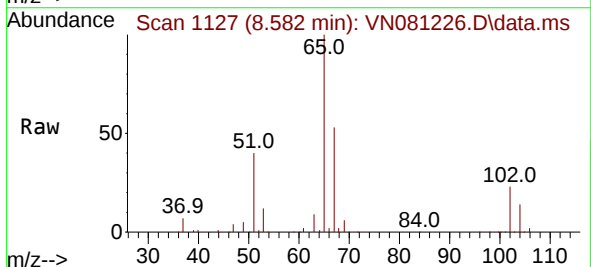
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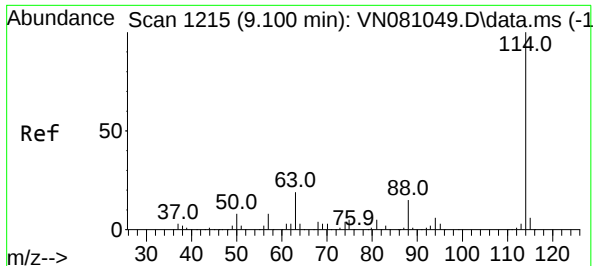
Tgt Ion: 63 Resp: 11430  
 Ion Ratio Lower Upper  
 63 100  
 98 11.9 2.9 8.6#  
 100 6.9 1.9 5.7#



#33  
 1,2-Dichloroethane-d4  
 Concen: 56.262 ug/l  
 RT: 8.582 min Scan# 1127  
 Delta R.T. 0.006 min  
 Lab File: VN081226.D  
 Acq: 27 Feb 2024 18:00

Tgt Ion: 65 Resp: 212306  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081226.D

Acq: 27 Feb 2024 18:00

Instrument :

MSVOA\_N

ClientSampleId :

TT158S1-20240222

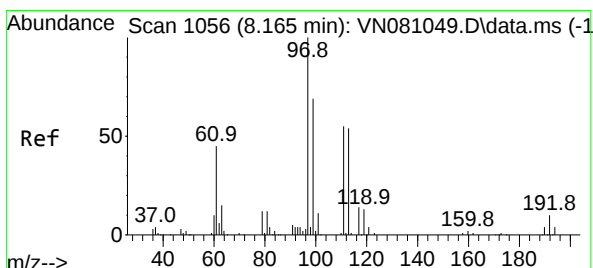
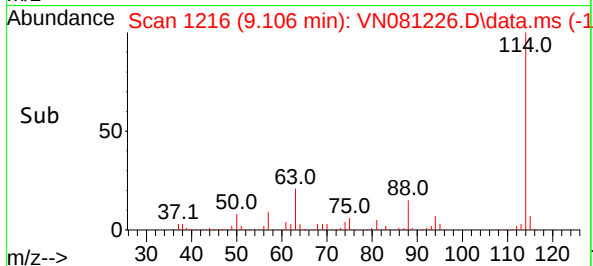
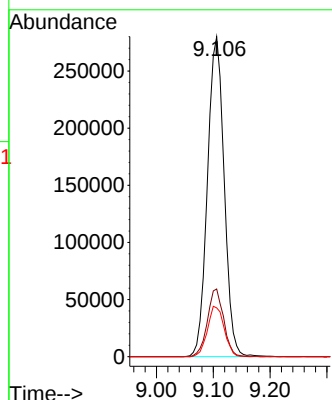
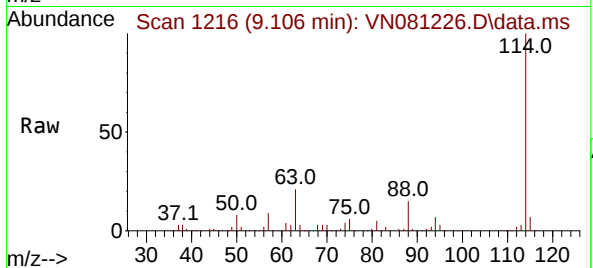
Tgt Ion:114 Resp: 570630

Ion Ratio Lower Upper

114 100

63 21.1 0.0 48.0

88 15.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 52.022 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081226.D

Acq: 27 Feb 2024 18:00

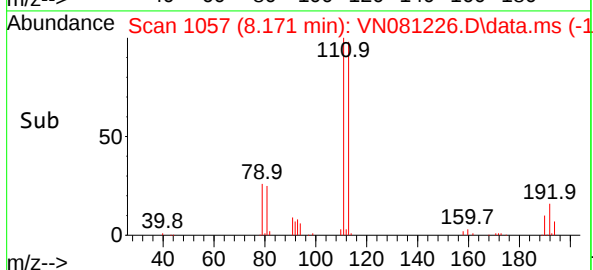
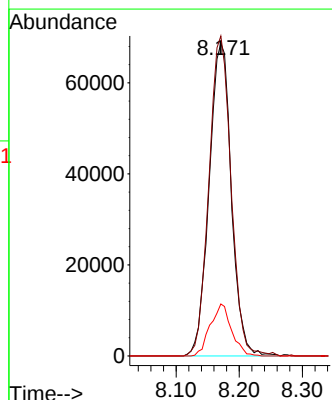
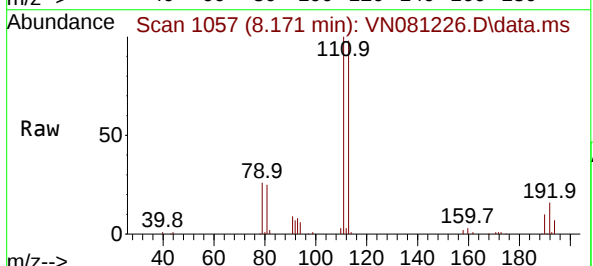
Tgt Ion:113 Resp: 167860

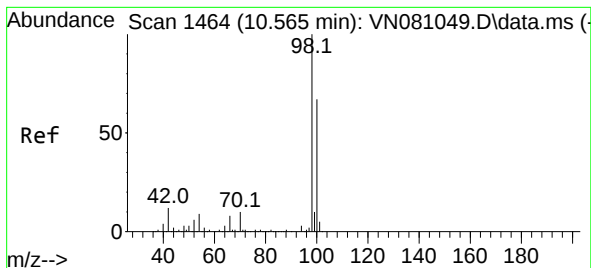
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 15.9 12.5 18.7





#50

Toluene-d8

Concen: 55.836 ug/l

RT: 10.571 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN081226.D

Acq: 27 Feb 2024 18:00

Instrument :

MSVOA\_N

ClientSampleId :

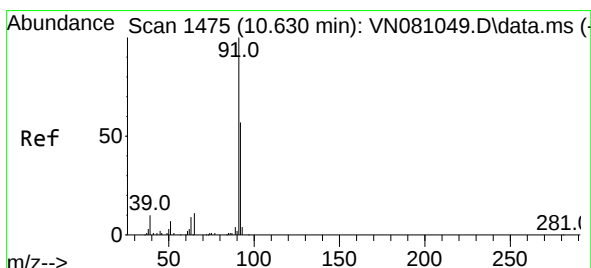
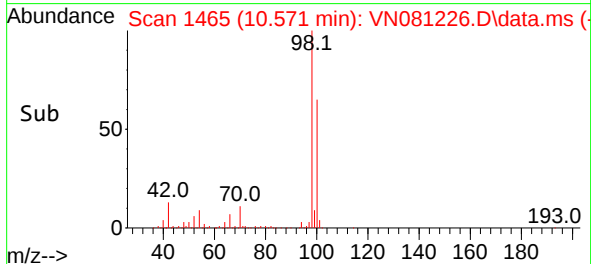
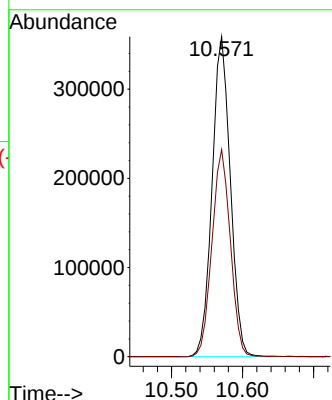
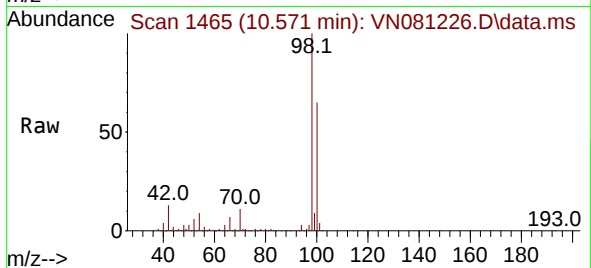
TT158S1-20240222

Tgt Ion: 98 Resp: 639906

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0



#52

Toluene

Concen: 0.884 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN081226.D

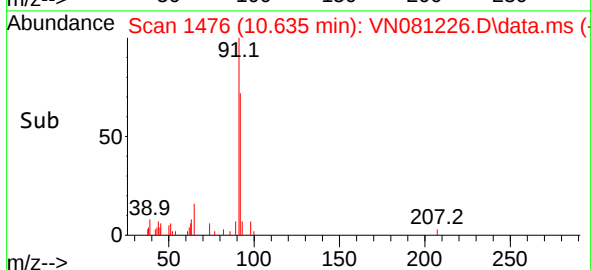
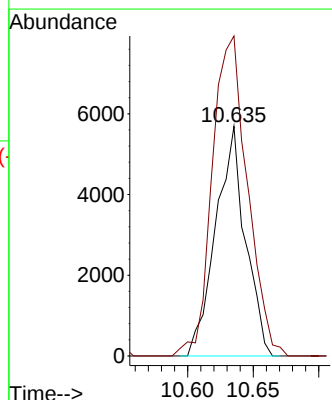
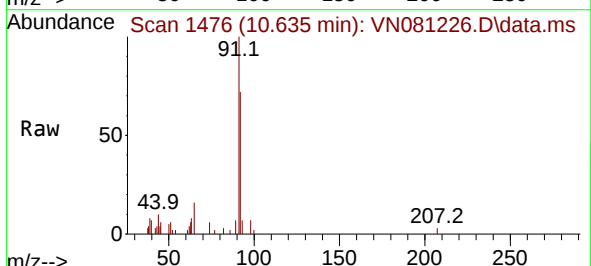
Acq: 27 Feb 2024 18:00

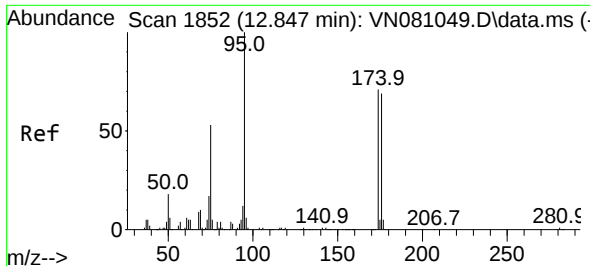
Tgt Ion: 92 Resp: 8959

Ion Ratio Lower Upper

92 100

91 164.9 139.4 209.0

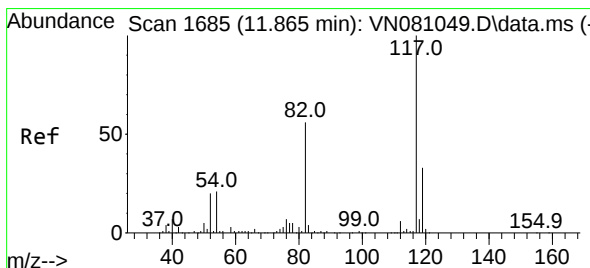
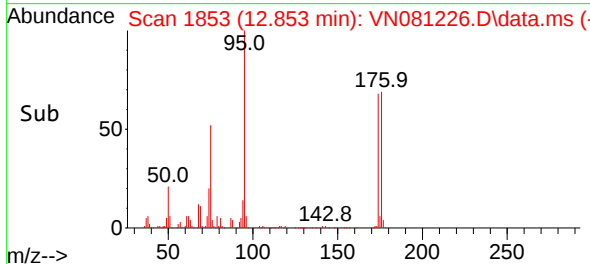
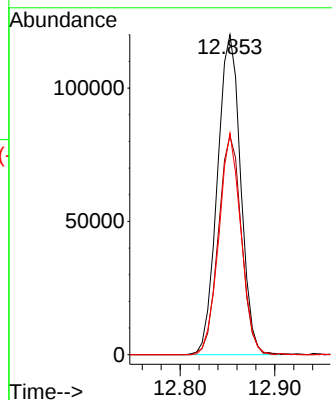
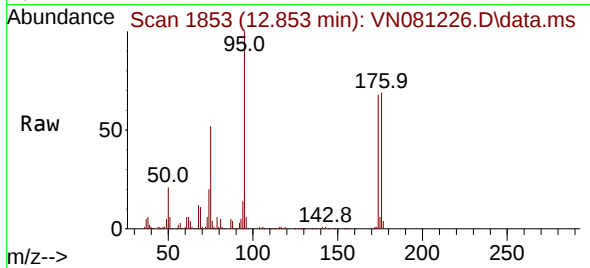




#62  
4-Bromofluorobenzene  
Concen: 47.466 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081226.D  
Acq: 27 Feb 2024 18:00

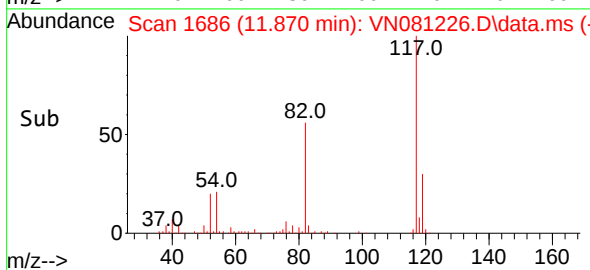
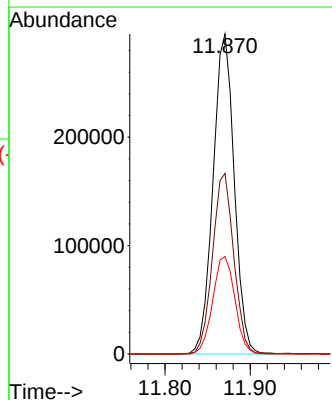
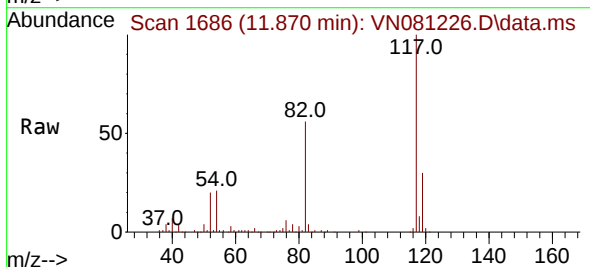
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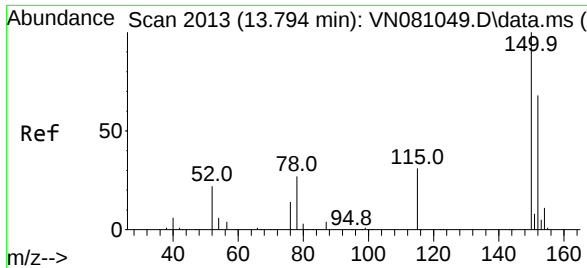
Tgt Ion: 95 Resp: 204402  
Ion Ratio Lower Upper  
95 100  
174 68.0 0.0 120.4  
176 66.1 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN081226.D  
Acq: 27 Feb 2024 18:00

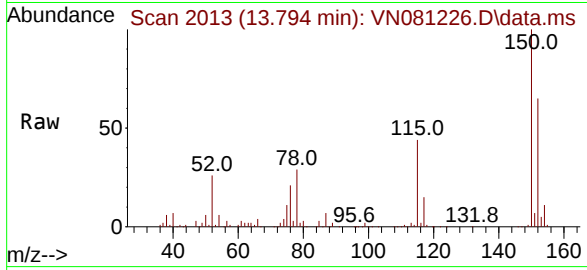
Tgt Ion: 117 Resp: 509779  
Ion Ratio Lower Upper  
117 100  
82 56.4 52.7 79.1  
119 30.5 25.3 37.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN081226.D  
 Acq: 27 Feb 2024 18:00

Instrument :  
 MSVOA\_N  
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Tgt Ion:152 Resp: 198349  
 Ion Ratio Lower Upper  
 152 100  
 115 64.8 32.3 96.8  
 150 155.3 0.0 339.8

