

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041224\  
 Data File : VN081713.D  
 Acq On : 12 Apr 2024 13:20  
 Operator : JC\MD  
 Sample : P2073-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RSB-01-97-041024

Quant Time: Apr 13 06:55:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

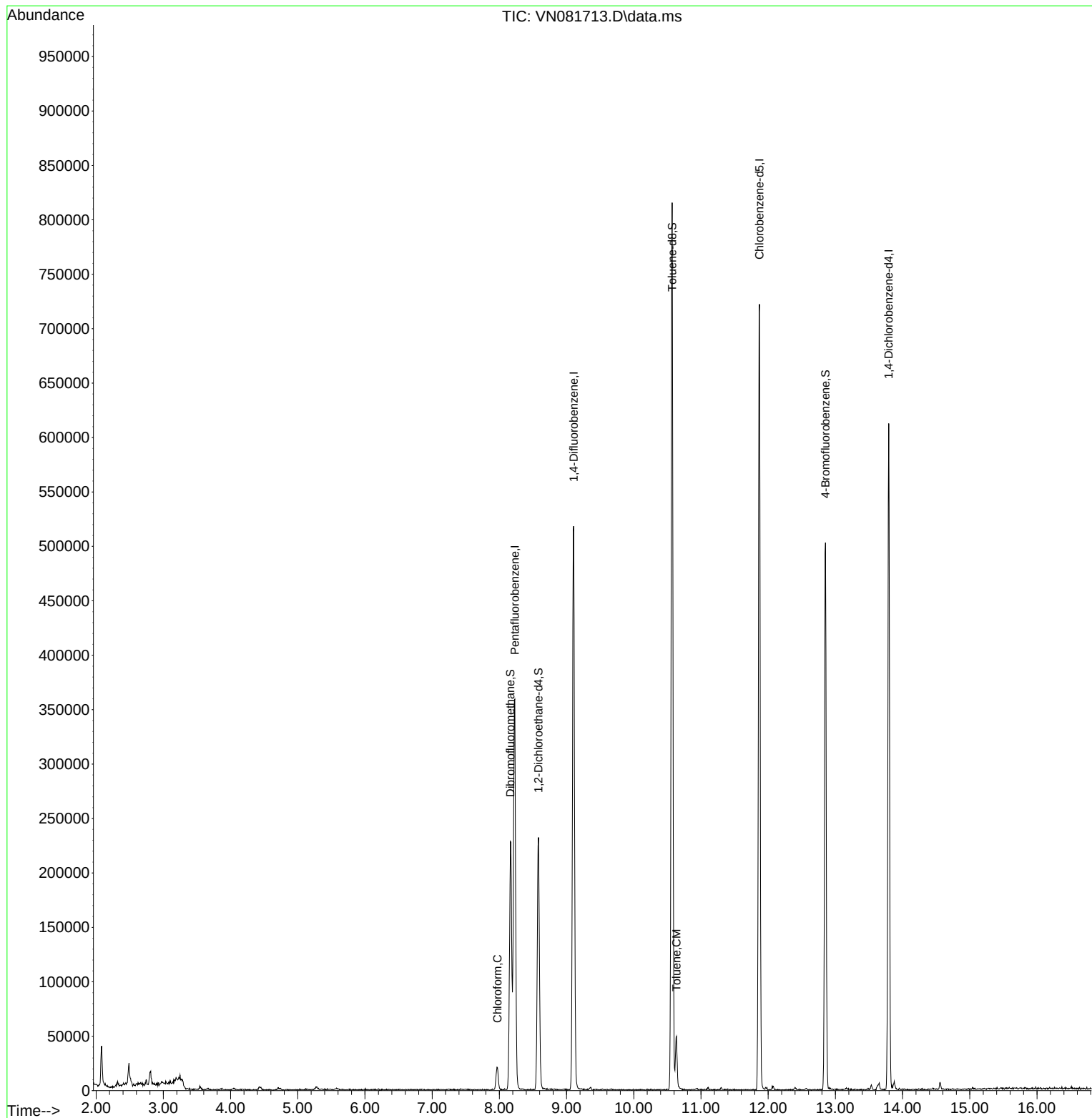
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 253121   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 458568   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 422649   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 161834   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 188404   | 58.366   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 116.740% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 160574   | 55.485   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 110.960% |
| 50) Toluene-d8              | 10.570 | 98    | 567835   | 54.278   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 108.560% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 173667   | 47.112   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =     | 94.220%  |
| Target Compounds            |        |       |          |          |       |          |
| 30) Chloroform              | 7.971  | 83    | 20338    | 3.261    | ug/l  | 95       |
| 52) Toluene                 | 10.635 | 92    | 19415    | 2.145    | ug/l  | 92       |
| -----                       |        |       |          |          |       |          |

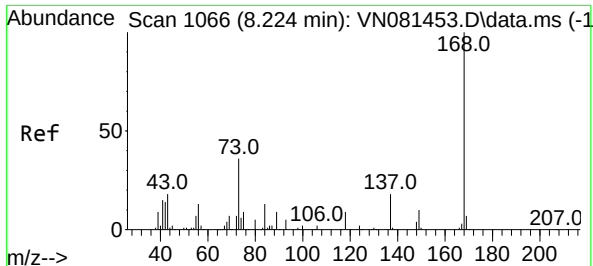
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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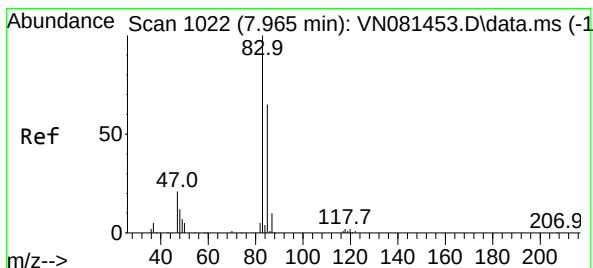
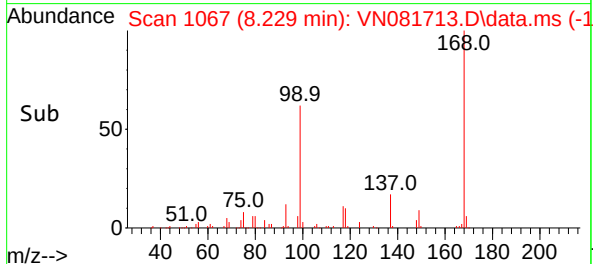
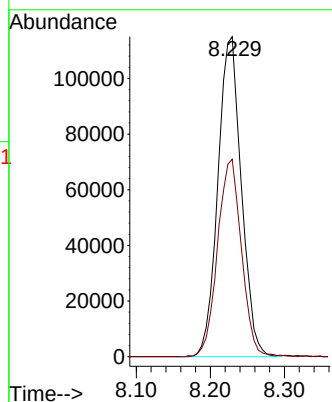
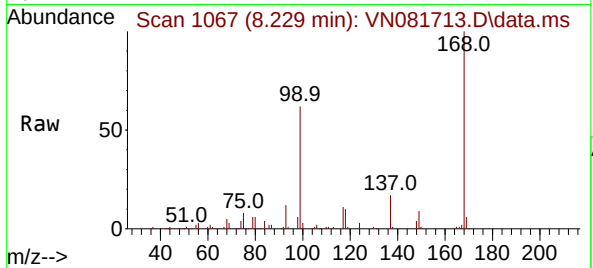




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN081713.D  
Acq: 12 Apr 2024 13:20

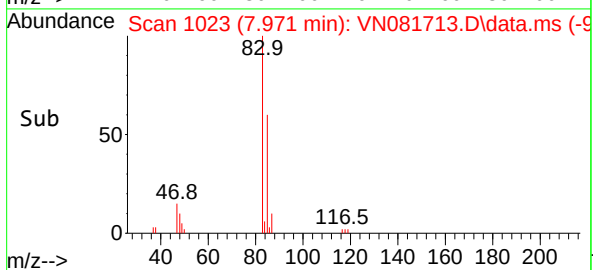
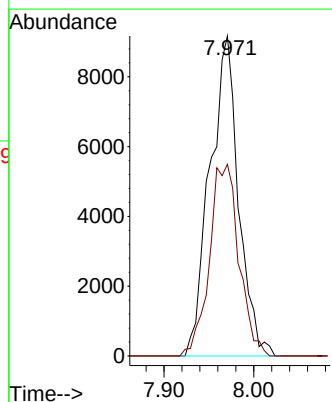
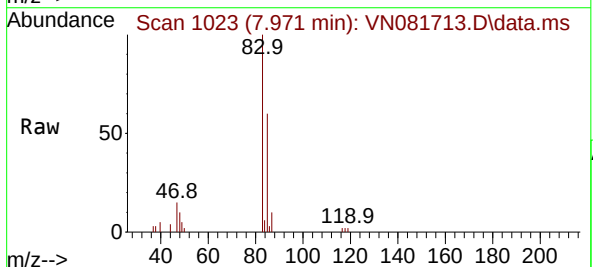
Instrument :  
MSVOA\_N  
ClientSampleId :  
RSB-01-97-041024

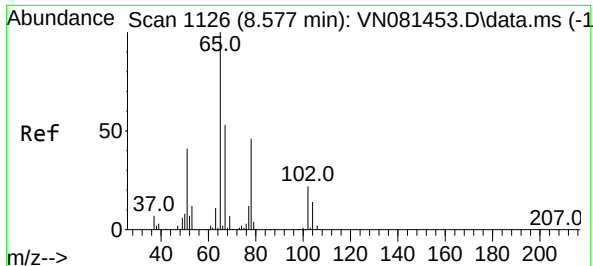
Tgt Ion:168 Resp: 253121  
Ion Ratio Lower Upper  
168 100  
99 61.7 59.9 89.9



#30  
Chloroform  
Concen: 3.261 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.006 min  
Lab File: VN081713.D  
Acq: 12 Apr 2024 13:20

Tgt Ion: 83 Resp: 20338  
Ion Ratio Lower Upper  
83 100  
85 59.9 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 58.366 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081713.D

Acq: 12 Apr 2024 13:20

Instrument :

MSVOA\_N

ClientSampleId :

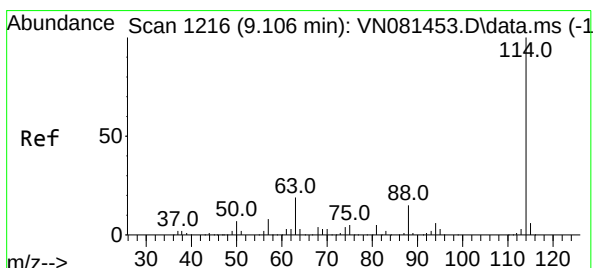
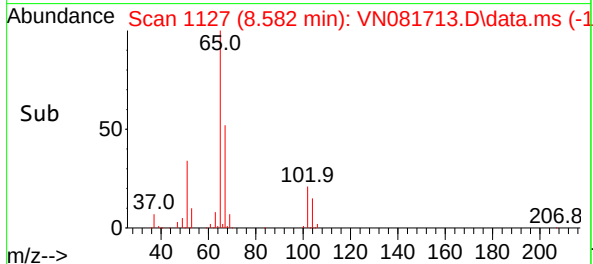
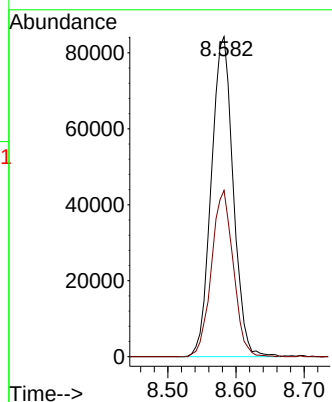
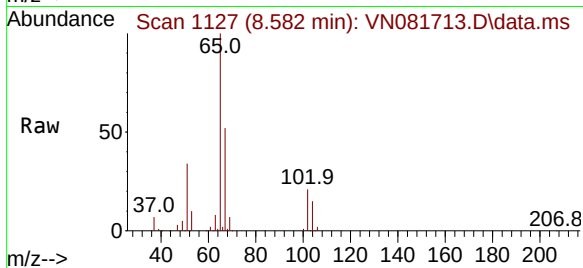
RSB-01-97-041024

Tgt Ion: 65 Resp: 188404

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN081713.D

Acq: 12 Apr 2024 13:20

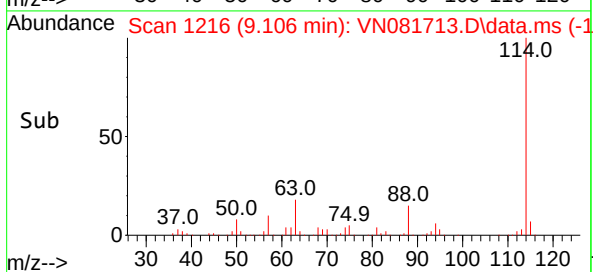
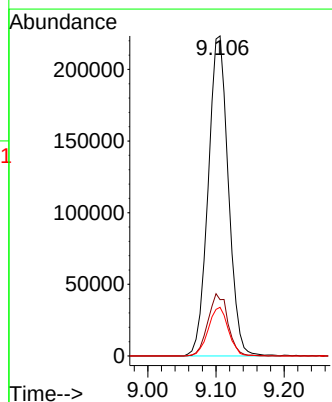
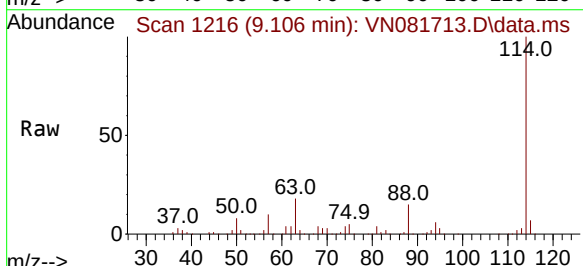
Tgt Ion: 114 Resp: 458568

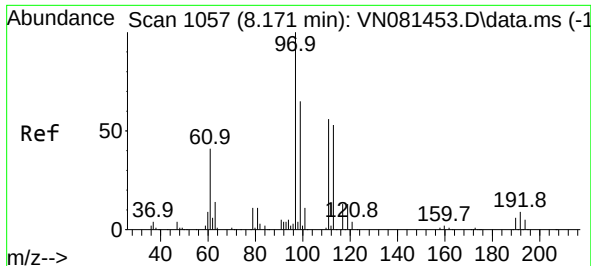
Ion Ratio Lower Upper

114 100

63 17.6 0.0 48.0

88 15.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 55.485 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081713.D

Acq: 12 Apr 2024 13:20

Instrument :

MSVOA\_N

ClientSampleId :

RSB-01-97-041024

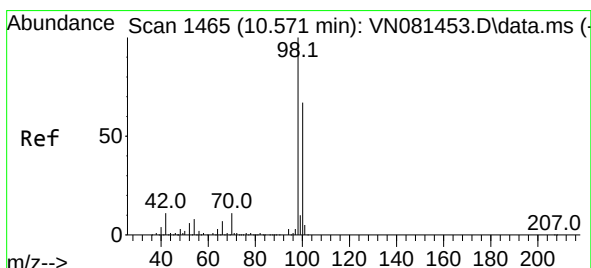
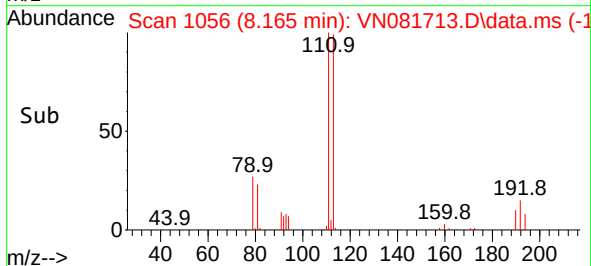
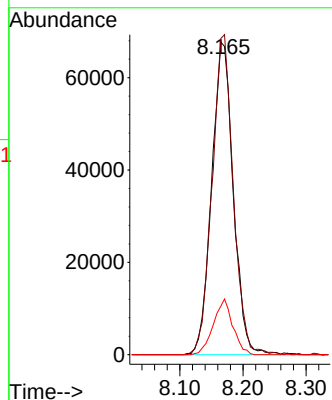
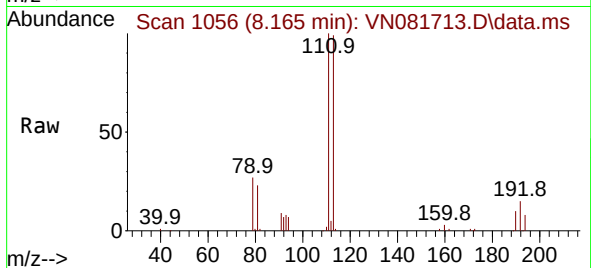
Tgt Ion:113 Resp: 160574

Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 16.1 12.5 18.7



#50

Toluene-d8

Concen: 54.278 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081713.D

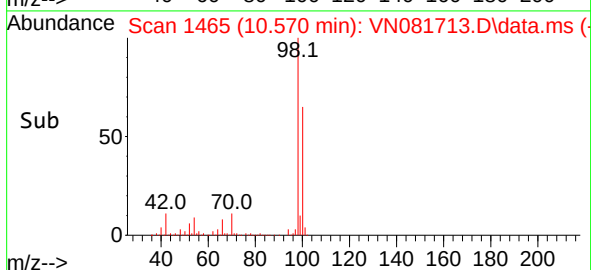
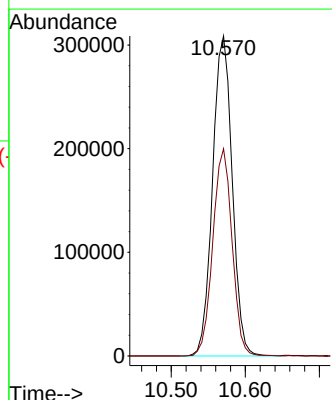
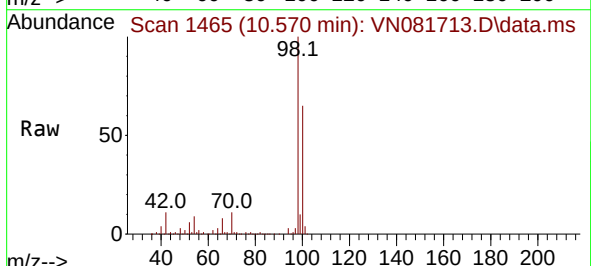
Acq: 12 Apr 2024 13:20

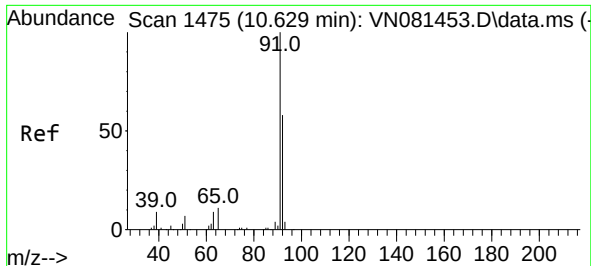
Tgt Ion: 98 Resp: 567835

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.0





#52

Toluene

Concen: 2.145 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN081713.D

Acq: 12 Apr 2024 13:20

Instrument :

MSVOA\_N

ClientSampleId :

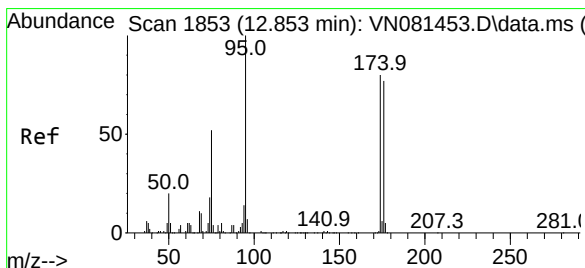
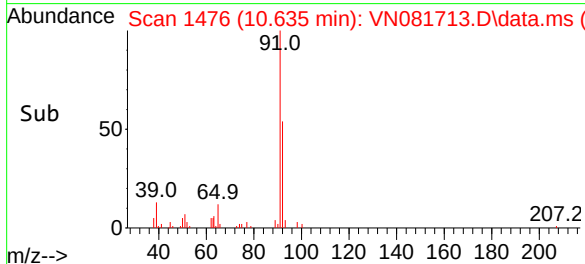
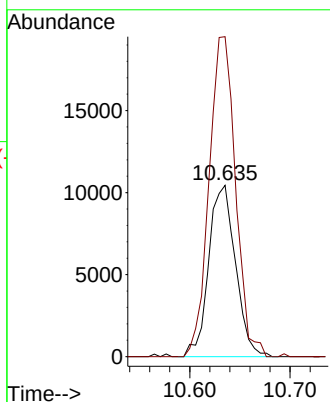
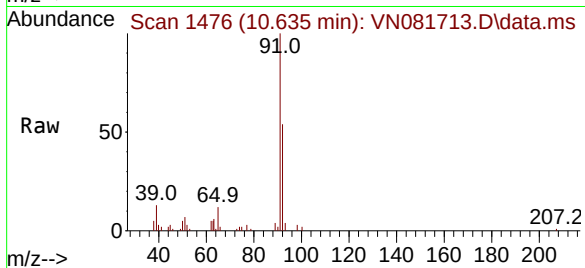
RSB-01-97-041024

Tgt Ion: 92 Resp: 19415

Ion Ratio Lower Upper

92 100

91 184.7 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 47.112 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN081713.D

Acq: 12 Apr 2024 13:20

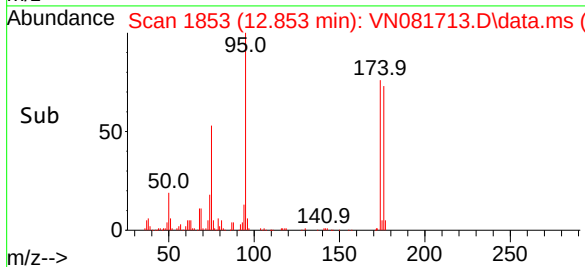
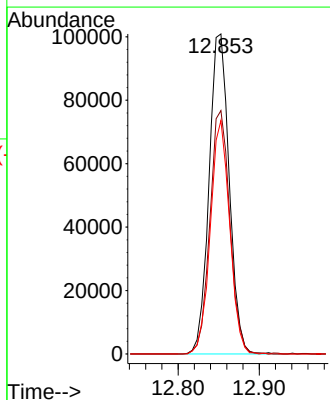
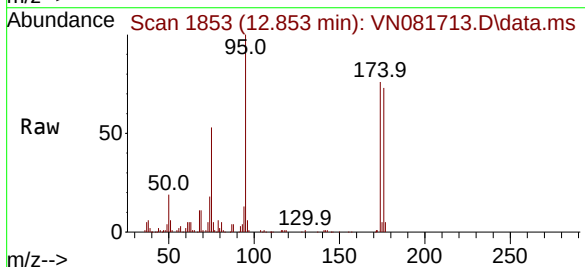
Tgt Ion: 95 Resp: 173667

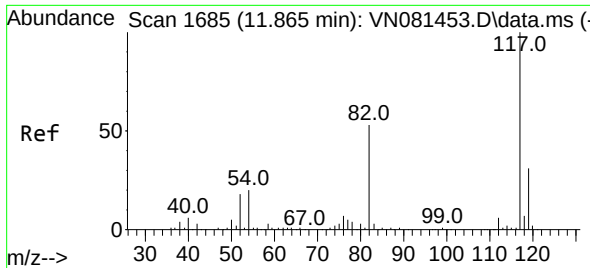
Ion Ratio Lower Upper

95 100

174 75.8 0.0 120.4

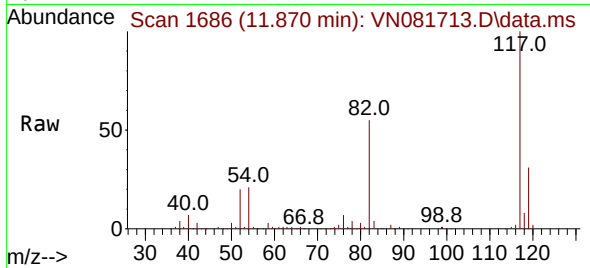
176 70.0 0.0 121.0



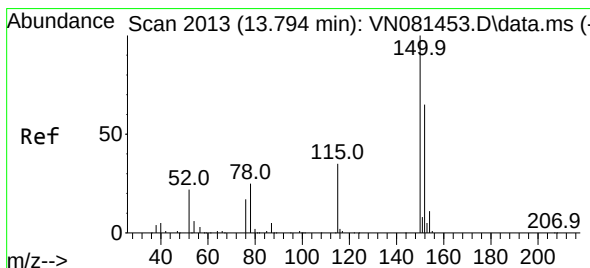
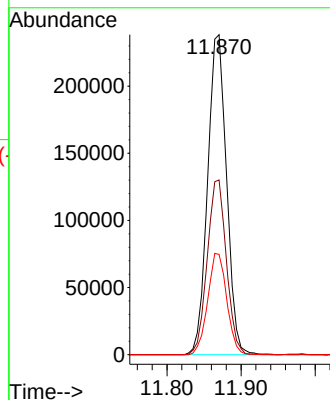
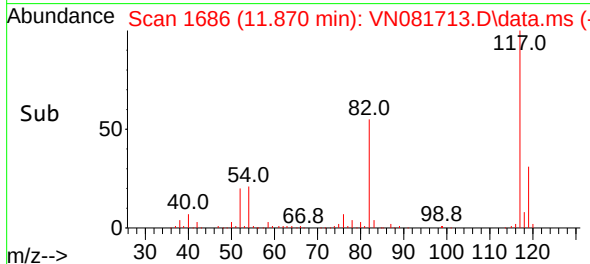


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN081713.D  
Acq: 12 Apr 2024 13:20

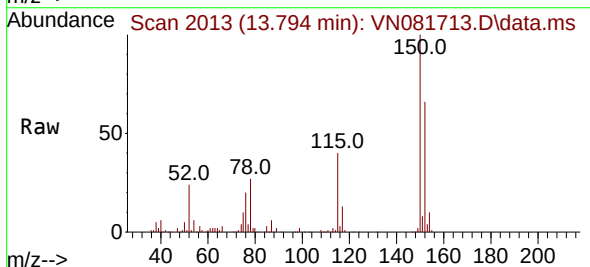
Instrument :  
MSVOA\_N  
ClientSampleId :  
RSB-01-97-041024



Tgt Ion:117 Resp: 422649  
Ion Ratio Lower Upper  
117 100  
82 54.6 52.7 79.1  
119 31.3 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN081713.D  
Acq: 12 Apr 2024 13:20



Tgt Ion:152 Resp: 161834  
Ion Ratio Lower Upper  
152 100  
115 60.2 32.3 96.8  
150 154.3 0.0 339.8

