

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020724\  
 Data File : VN080938.D  
 Acq On : 07 Feb 2024 16:03  
 Operator : JC\MD  
 Sample : PB158850ZHE#02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158850ZHE#02

Quant Time: Feb 08 00:27:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 07 06:22:23 2024  
 Response via : Initial Calibration

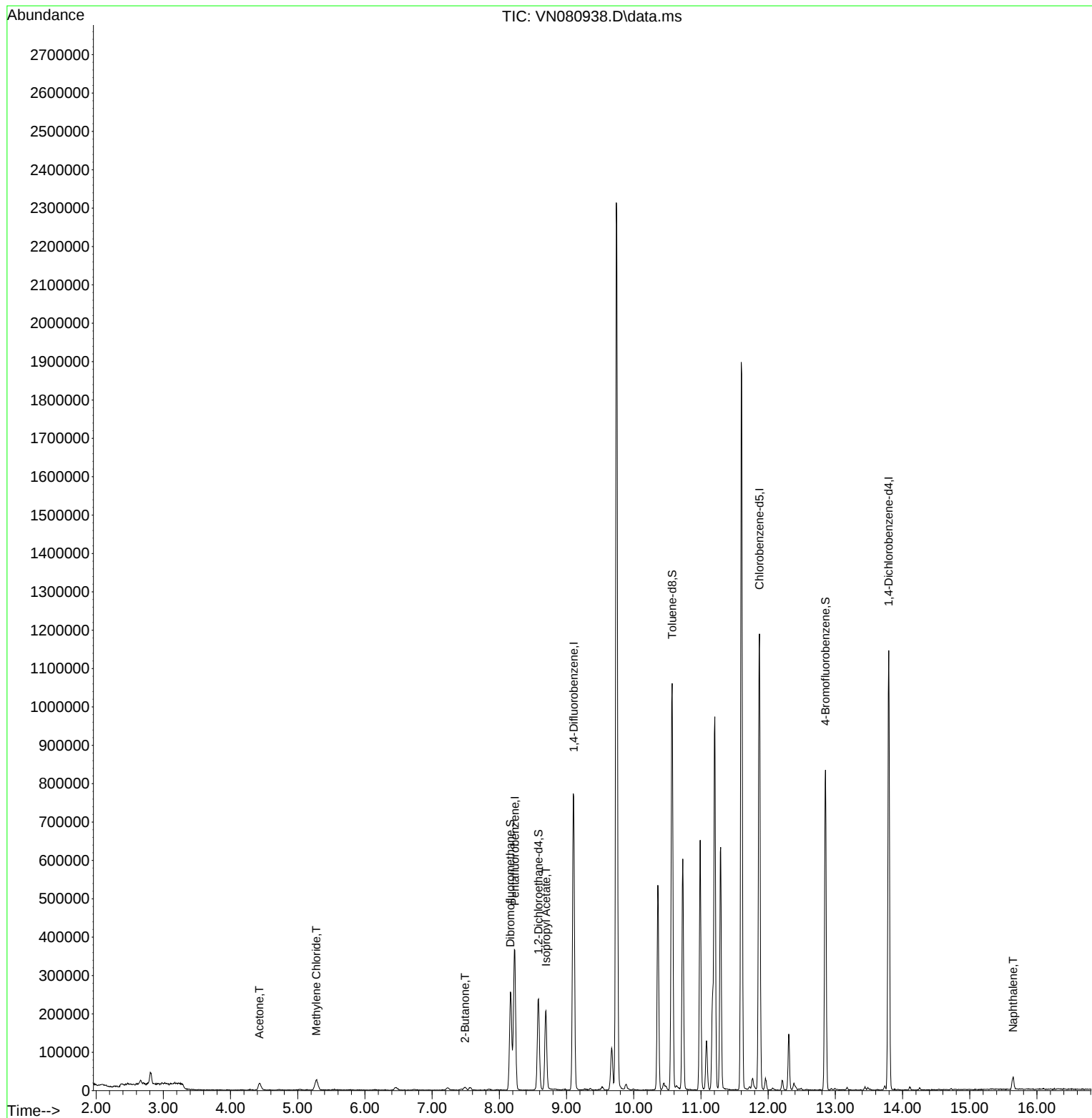
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 263349   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 711864   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 709944   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 299042   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 192070   | 57.815   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 115.620% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 180849   | 47.344   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.680%  |
| 50) Toluene-d8              | 10.571 | 98    | 753805   | 54.557   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 109.120% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 295421   | 58.857   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 117.720% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.430  | 43    | 34268    | 31.353   | ug/l   | 100      |
| 20) Methylene Chloride      | 5.277  | 84    | 22369    | 6.755    | ug/l # | 71       |
| 25) 2-Butanone              | 7.489  | 43    | 9837     | 5.607    | ug/l # | 79       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 234102   | 29.607   | ug/l # | 90       |
| 95) Naphthalene             | 15.647 | 128   | 31699    | 1.938    | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

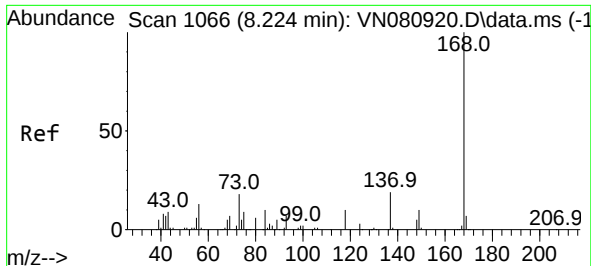
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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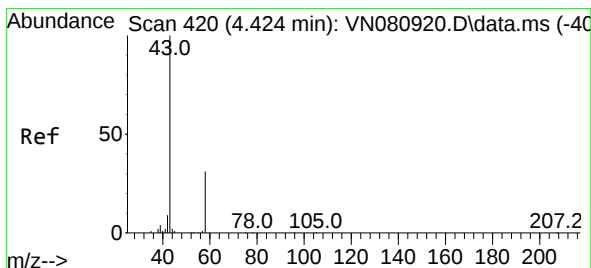
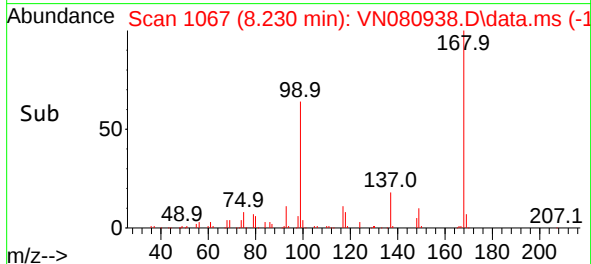
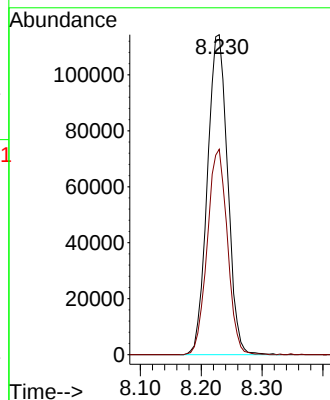
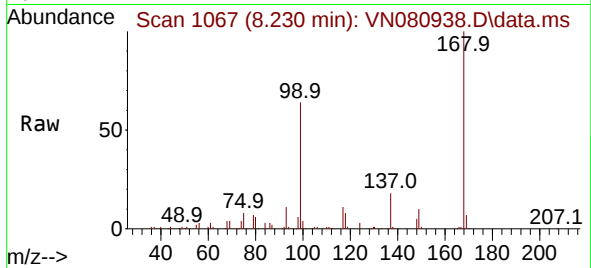




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

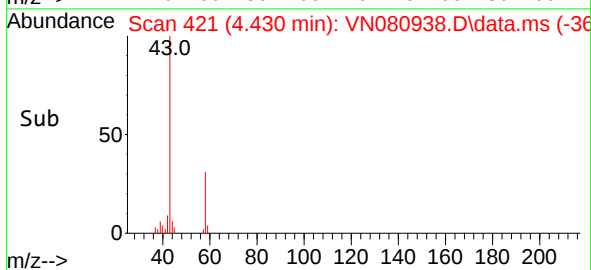
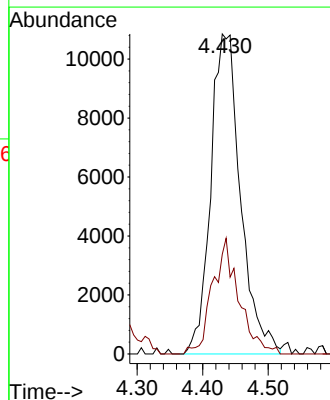
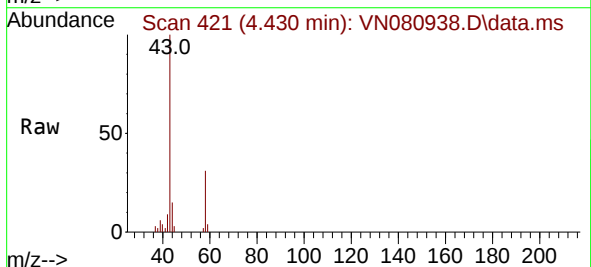
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158850ZHE#02

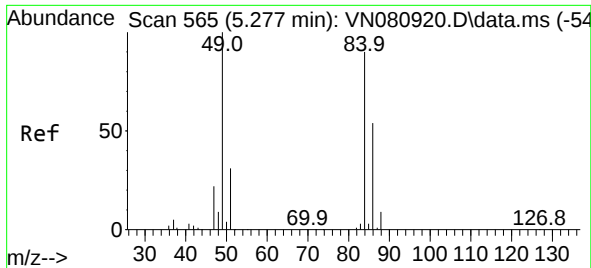
Tgt Ion:168 Resp: 263349  
Ion Ratio Lower Upper  
168 100  
99 64.2 59.9 89.9



#16  
Acetone  
Concen: 31.353 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

Tgt Ion: 43 Resp: 34268  
Ion Ratio Lower Upper  
43 100  
58 31.1 24.8 37.2

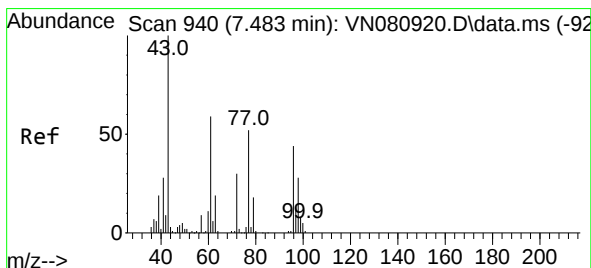
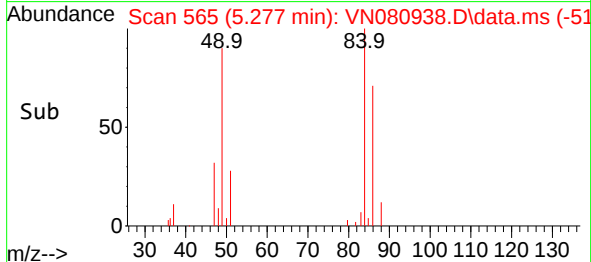
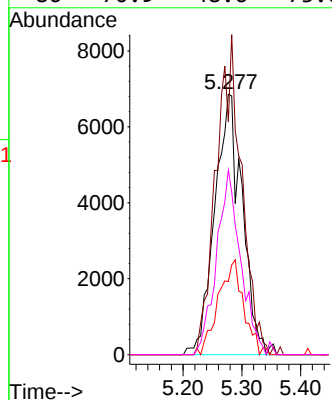
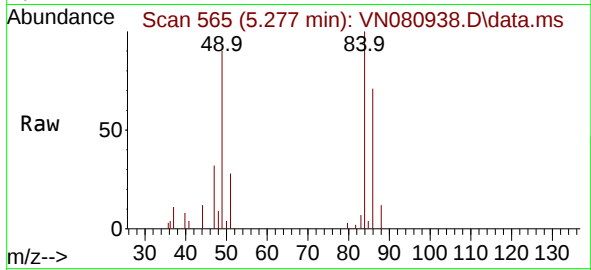




#20  
Methylene Chloride  
Concen: 6.755 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

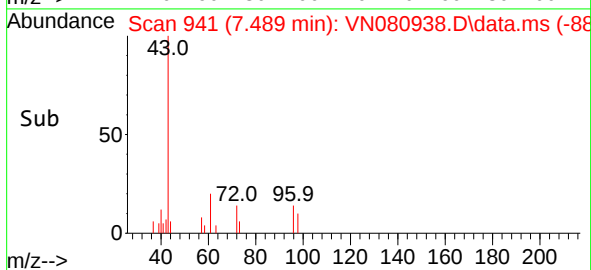
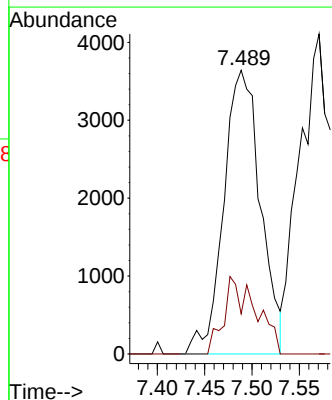
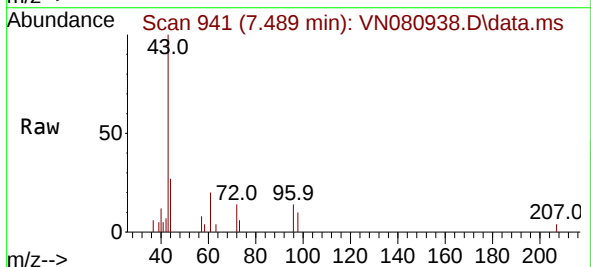
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158850ZHE#02

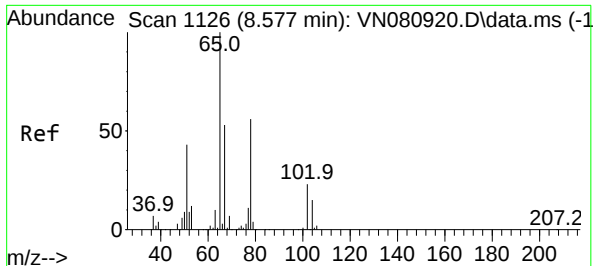
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 22369  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 89.5  | 108.1 | 162.1# |
| 51       | 28.1  | 32.9  | 49.3#  |
| 86       | 70.9  | 48.6  | 73.0   |



#25  
2-Butanone  
Concen: 5.607 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9837  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 14.2  | 19.5  | 29.3# |





#33

1,2-Dichloroethane-d4

Concen: 57.815 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080938.D

Acq: 07 Feb 2024 16:03

Instrument :

MSVOA\_N

ClientSampleId :

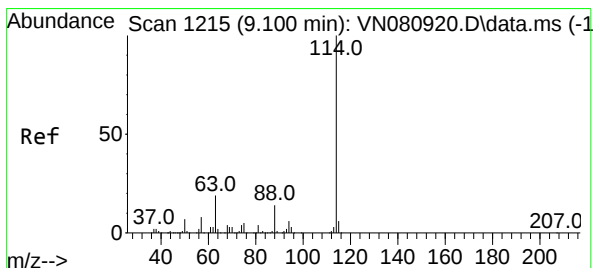
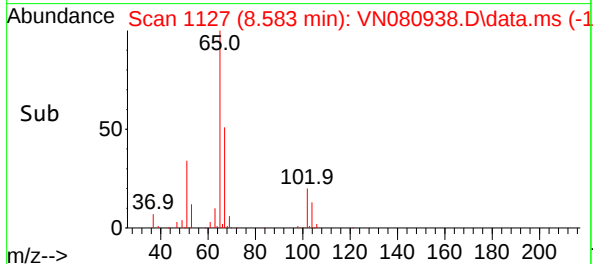
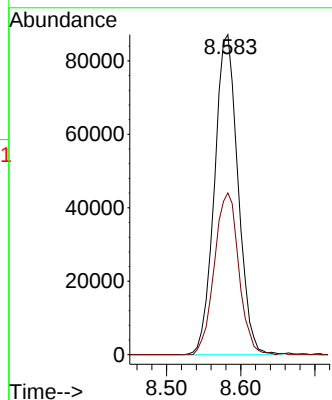
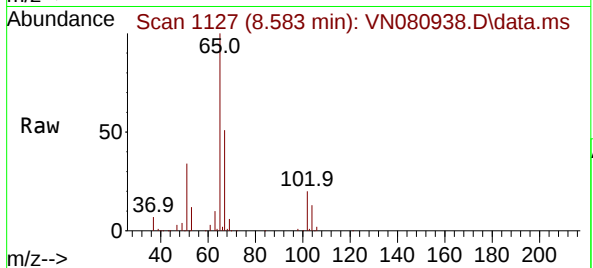
PB158850ZHE#02

Tgt Ion: 65 Resp: 192070

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080938.D

Acq: 07 Feb 2024 16:03

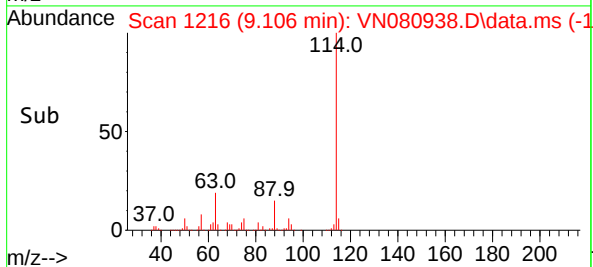
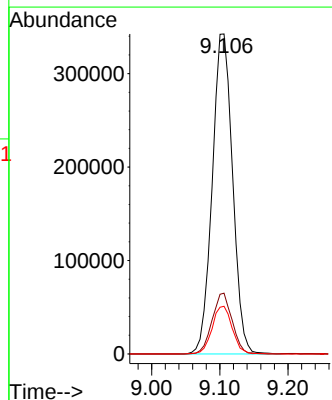
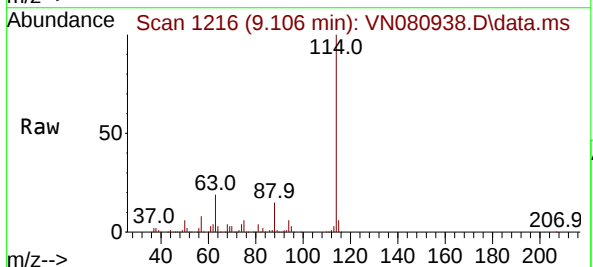
Tgt Ion: 114 Resp: 711864

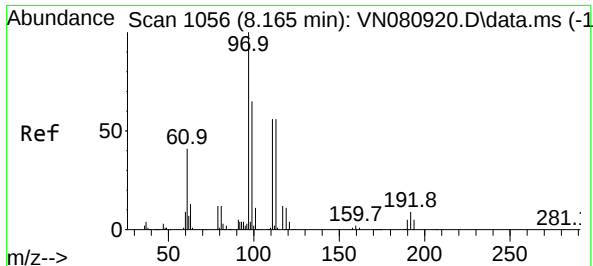
Ion Ratio Lower Upper

114 100

63 19.0 0.0 48.0

88 14.9 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.344 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN080938.D

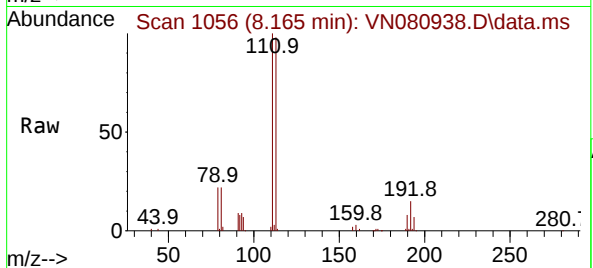
Acq: 07 Feb 2024 16:03

Instrument :

MSVOA\_N

ClientSampleId :

PB158850ZHE#02



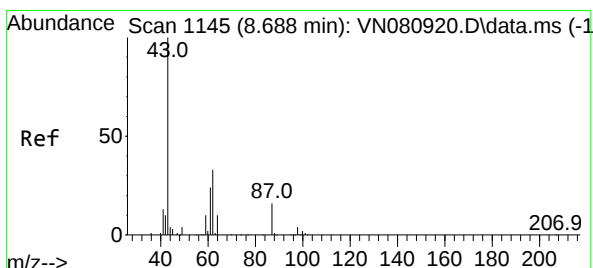
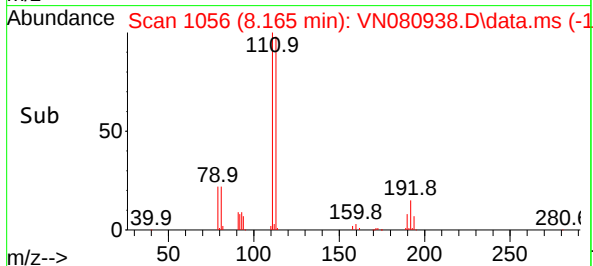
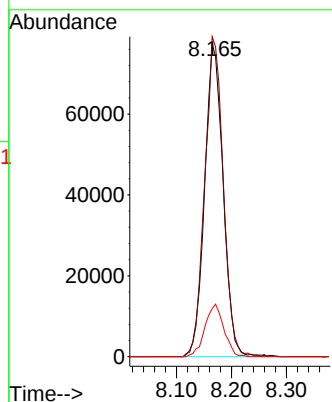
Tgt Ion:113 Resp: 180849

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 17.1 12.5 18.7



#43

Isopropyl Acetate

Concen: 29.607 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080938.D

Acq: 07 Feb 2024 16:03

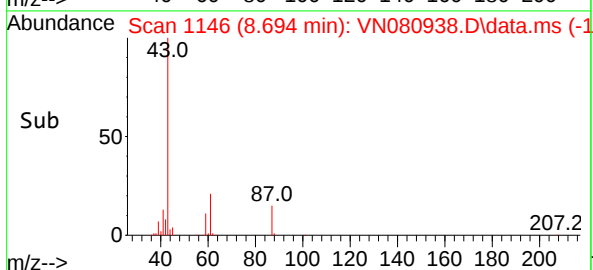
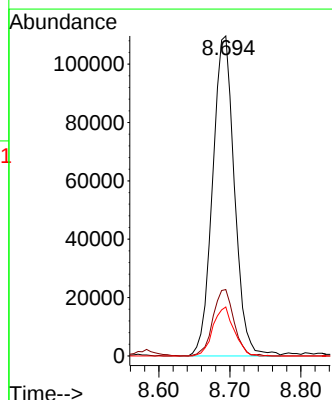
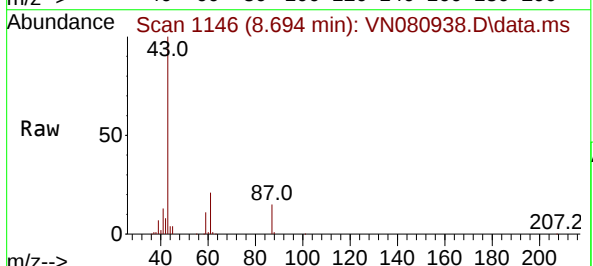
Tgt Ion: 43 Resp: 234102

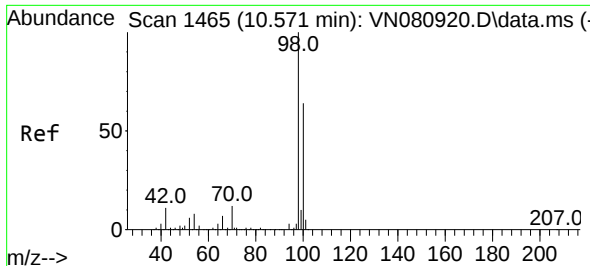
Ion Ratio Lower Upper

43 100

61 20.0 19.9 29.9

87 14.8 9.0 13.6#

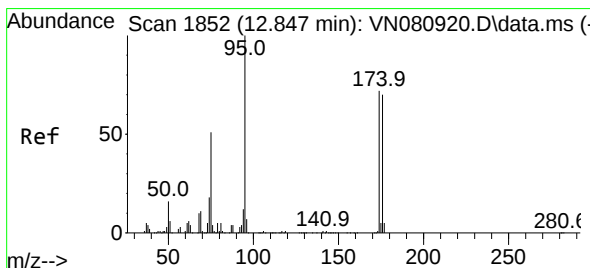
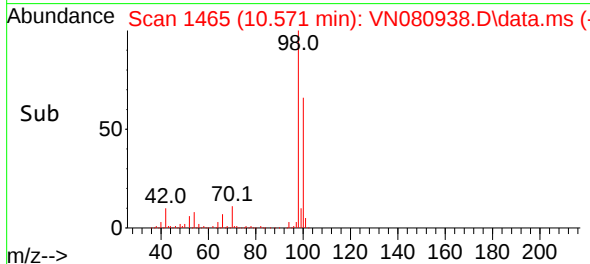
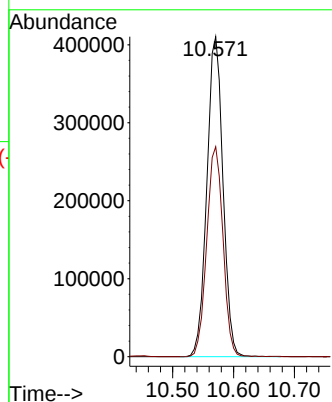
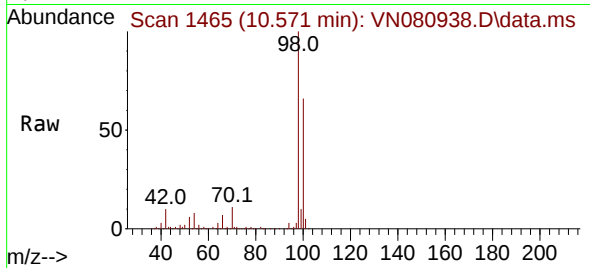




#50  
Toluene-d8  
Concen: 54.557 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

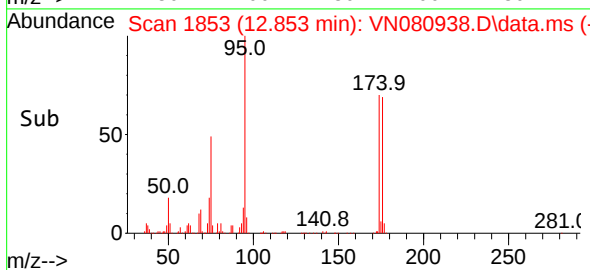
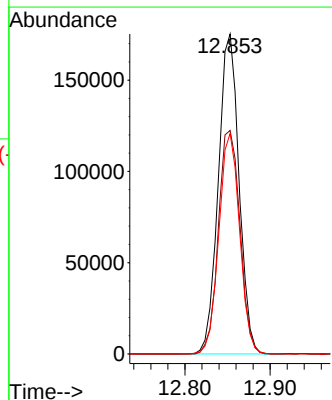
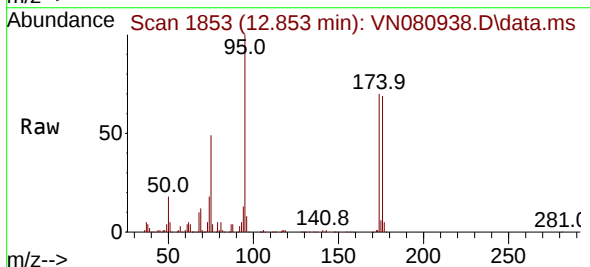
Instrument :  
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PB158850ZHE#02

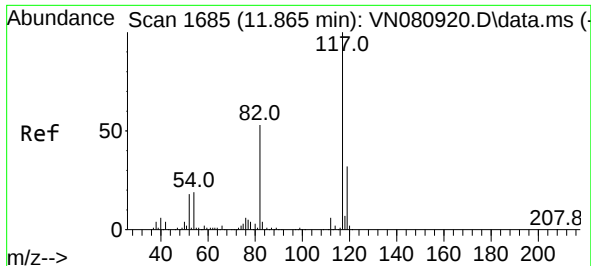
Tgt Ion: 98 Resp: 753805  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 58.857 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

Tgt Ion: 95 Resp: 295421  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 120.4  
176 68.9 0.0 121.0

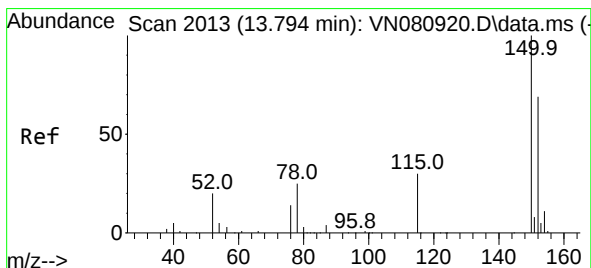
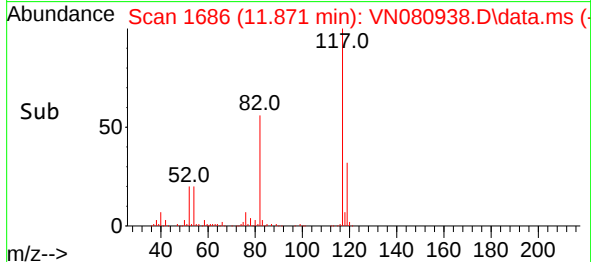
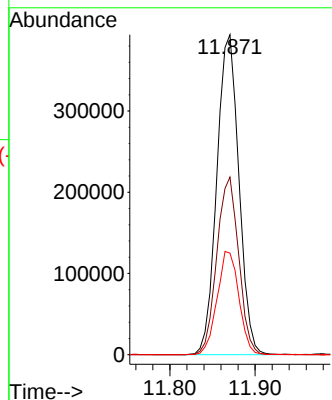
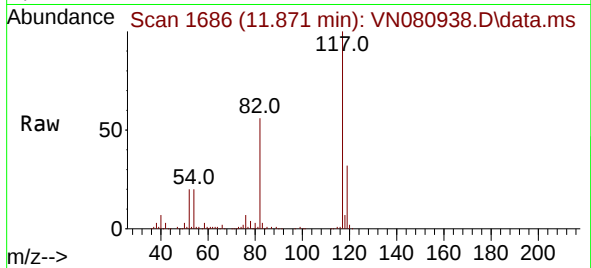




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

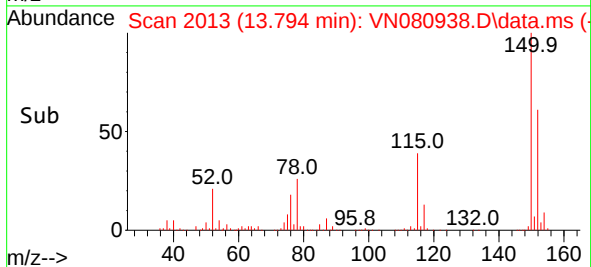
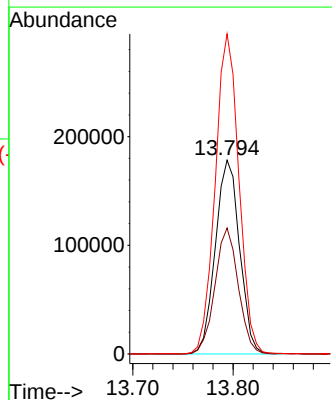
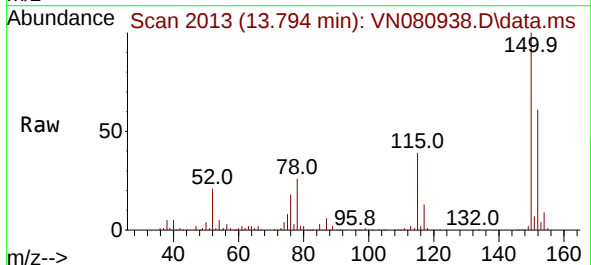
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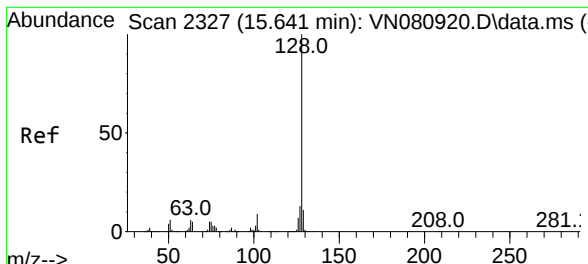
Tgt Ion:117 Resp: 709944  
Ion Ratio Lower Upper  
117 100  
82 55.5 52.7 79.1  
119 31.8 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN080938.D  
Acq: 07 Feb 2024 16:03

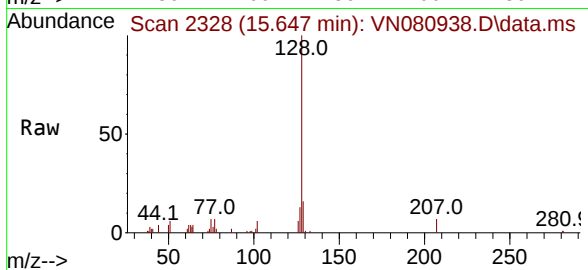
Tgt Ion:152 Resp: 299042  
Ion Ratio Lower Upper  
152 100  
115 62.6 32.3 96.8  
150 161.6 0.0 339.8





#95  
 Naphthalene  
 Concen: 1.938 ug/l  
 RT: 15.647 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN080938.D  
 Acq: 07 Feb 2024 16:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158850ZHE#02



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 31699 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.0  | 10.0  | 15.0  |
| 129      | 12.7  | 8.7   | 13.1  |

