

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051624\  
 Data File : VN082170.D  
 Acq On : 16 May 2024 18:30  
 Operator : JC\MD  
 Sample : PB160937ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB160937ZHE#05

Quant Time: May 17 05:06:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 04:08:43 2024  
 Response via : Initial Calibration

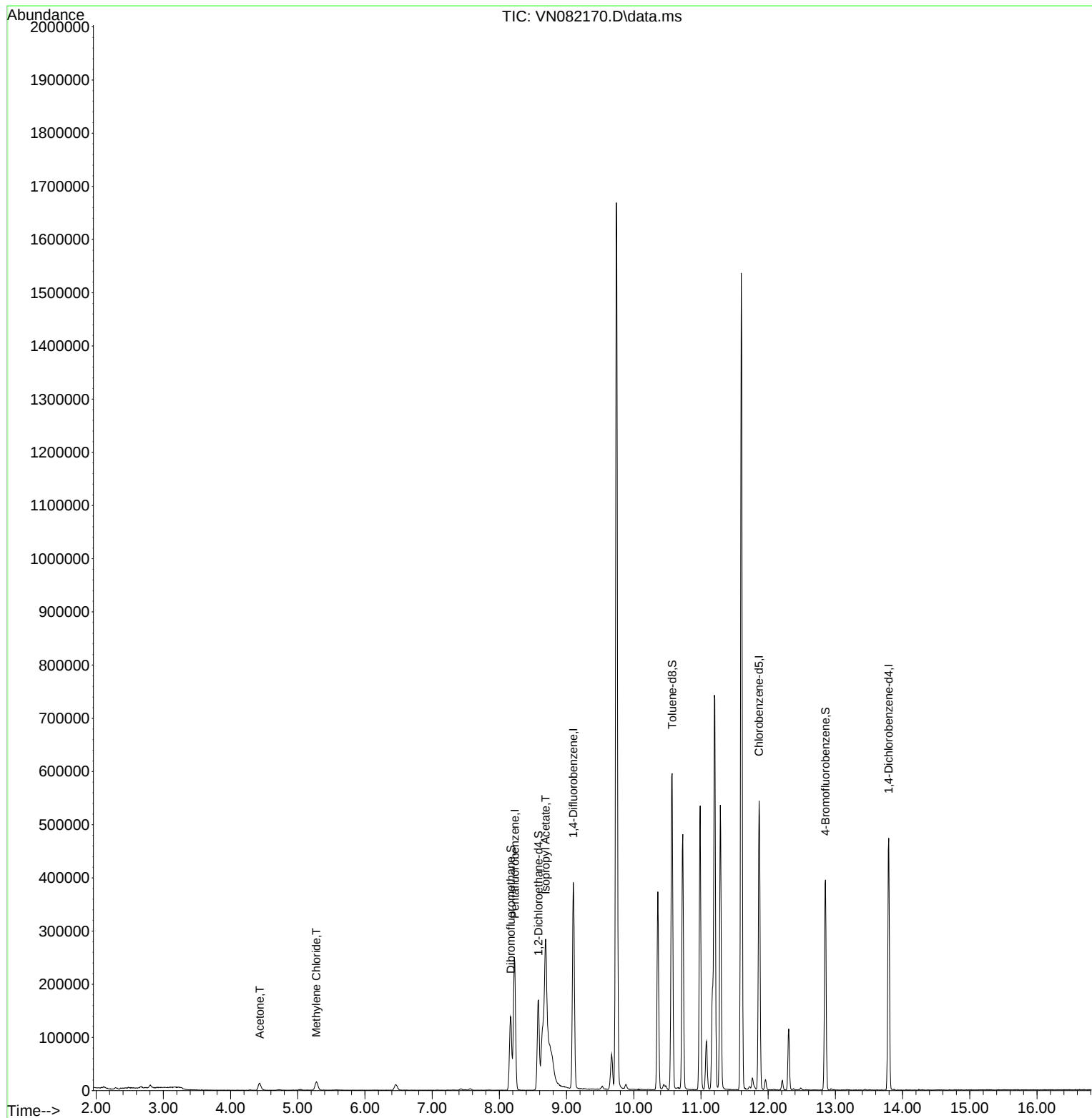
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.229     | 168   | 172220   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114   | 302116   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 282991   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 117501   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 140339   | 51.607   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 103.220% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 98427    | 52.961   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 105.920% |          |
| 50) Toluene-d8              | 10.571    | 98    | 388520   | 54.527   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 109.060% |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 127662   | 50.198   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 64 - 133 | Recovery | = 100.400% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.436     | 43    | 26857    | 24.075   | ug/l       | 94       |
| 20) Methylene Chloride      | 5.277     | 84    | 11142    | 4.950    | ug/l #     | 81       |
| 43) Isopropyl Acetate       | 8.688     | 43    | 619921   | 100.295  | ug/l #     | 62       |
| -----                       |           |       |          |          |            |          |

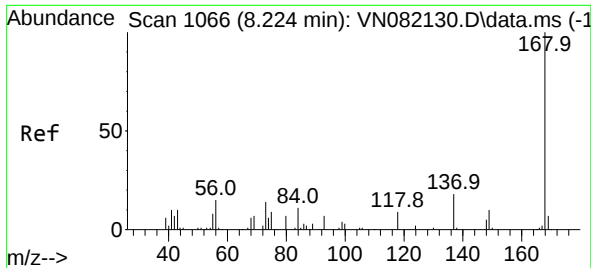
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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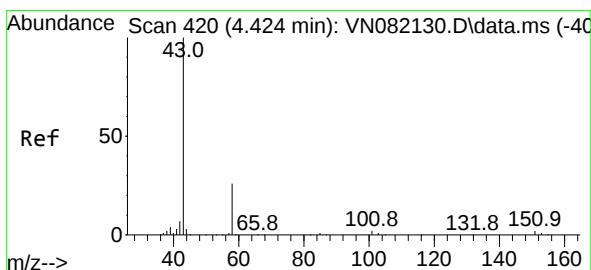
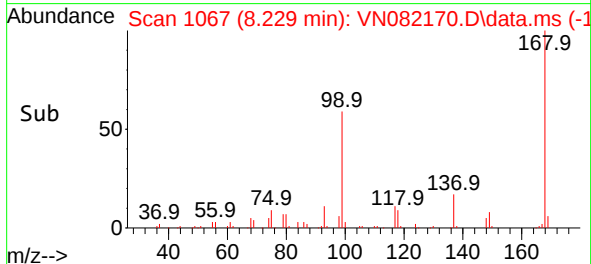
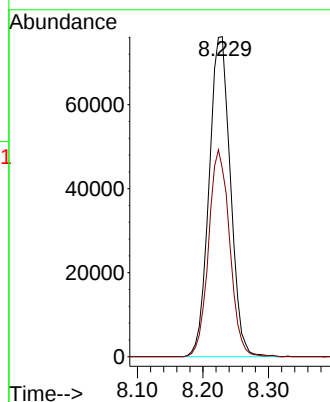
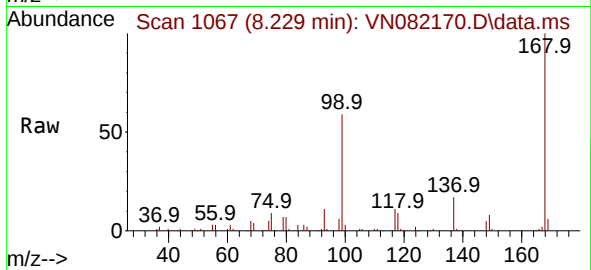




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. 0.005 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

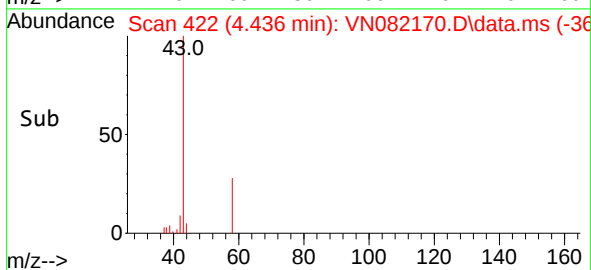
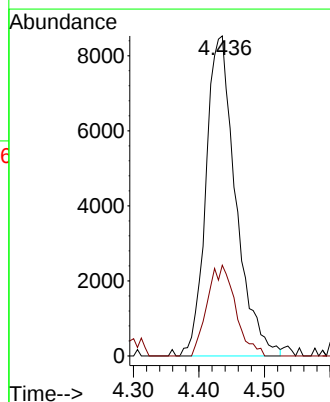
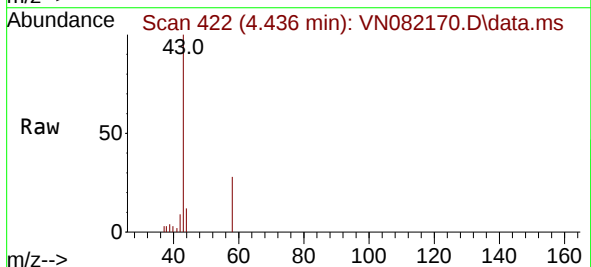
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160937ZHE#05

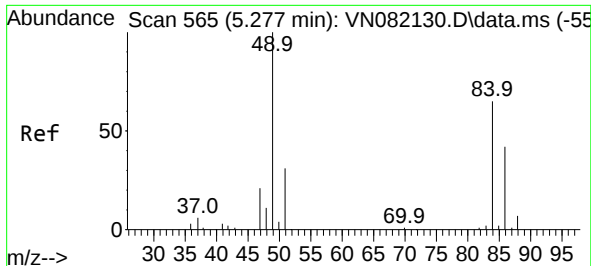
Tgt Ion:168 Resp: 172220  
Ion Ratio Lower Upper  
168 100  
99 58.9 48.2 72.4



#16  
Acetone  
Concen: 24.075 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

Tgt Ion: 43 Resp: 26857  
Ion Ratio Lower Upper  
43 100  
58 28.4 25.2 37.8

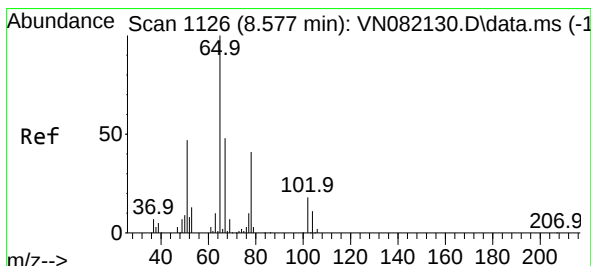
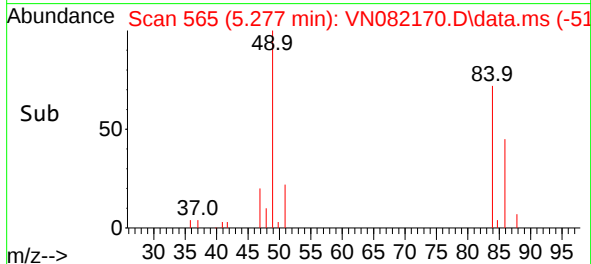
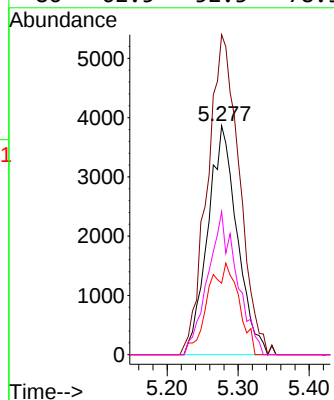
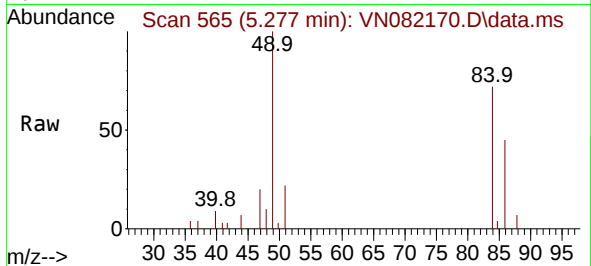




#20  
Methylene Chloride  
Concen: 4.950 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

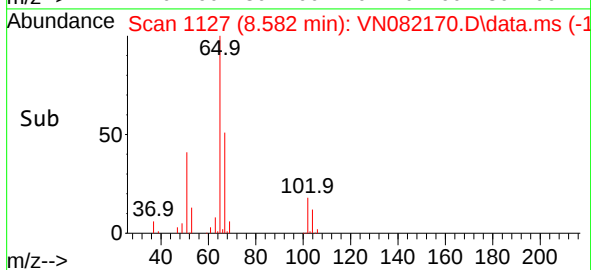
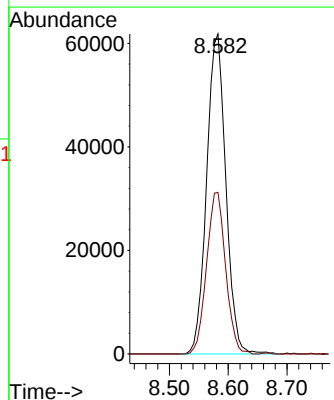
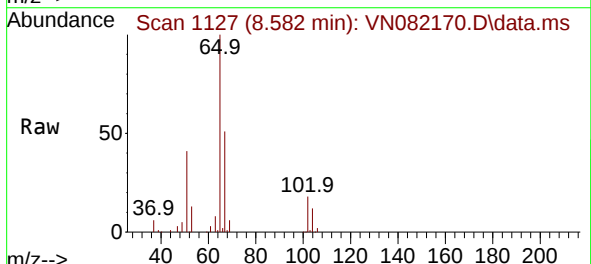
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB160937ZHE#05

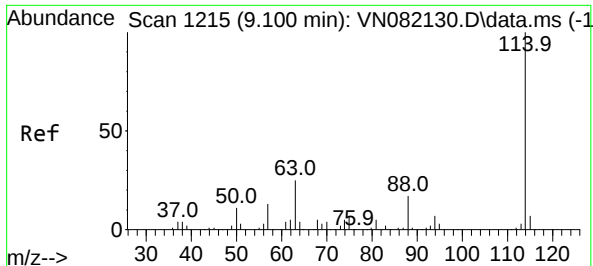
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 11142 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 139.8    | 84.9 127.3# |
| 51 31.2     | 27.0 40.6   |
| 86 62.5     | 52.3 78.5   |



#33  
1,2-Dichloroethane-d4  
Concen: 51.607 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 140339 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 50.1     | 0.0 103.0    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

Instrument :

MSVOA\_N

ClientSampleId :

PB160937ZHE#05

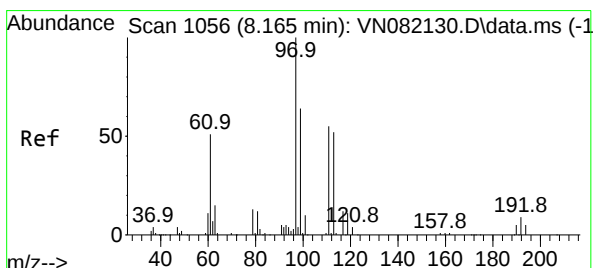
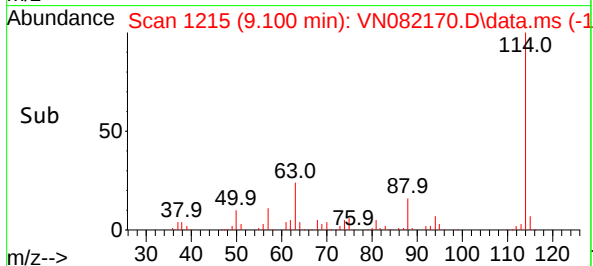
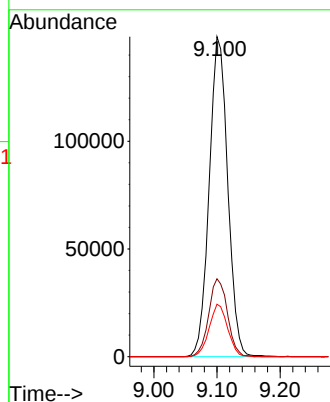
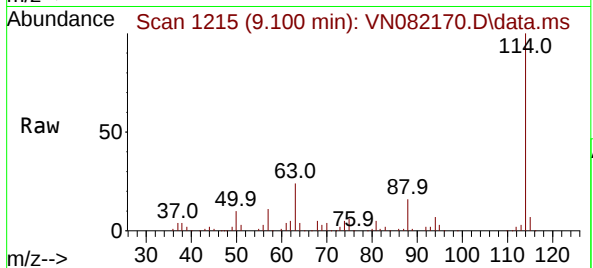
Tgt Ion:114 Resp: 302116

Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

88 16.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.961 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082170.D

Acq: 16 May 2024 18:30

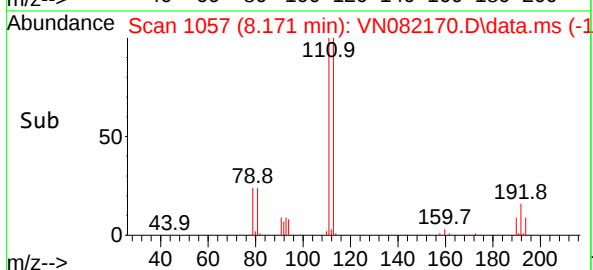
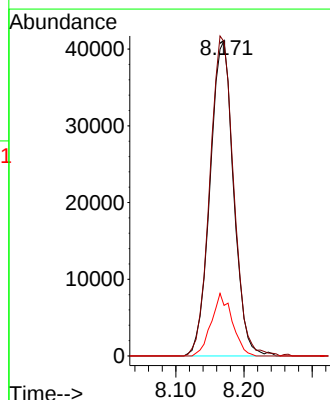
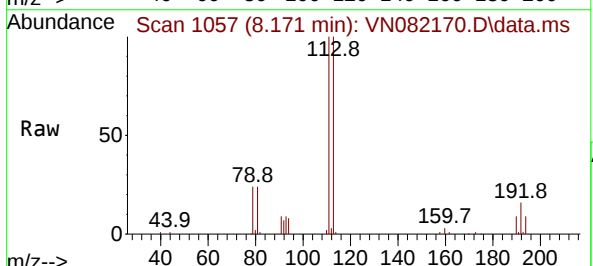
Tgt Ion:113 Resp: 98427

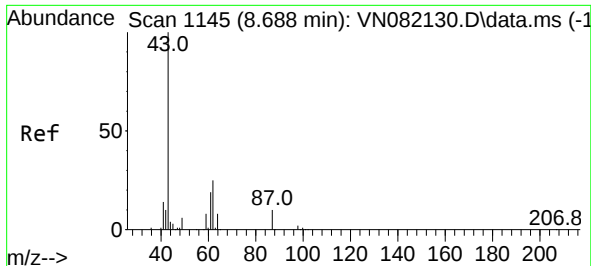
Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

192 17.7 14.0 21.0

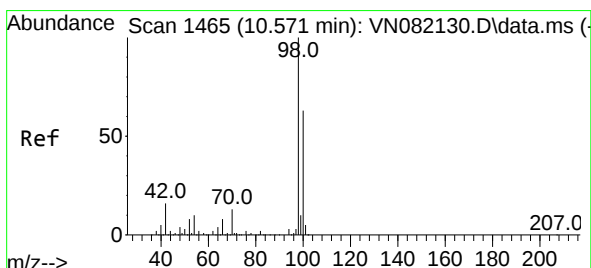
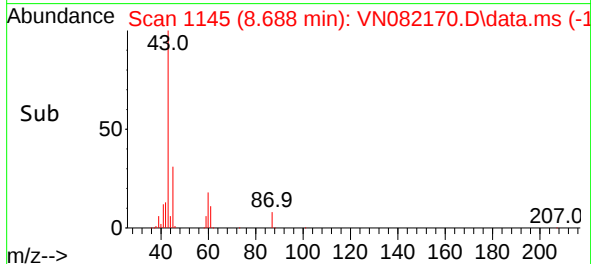
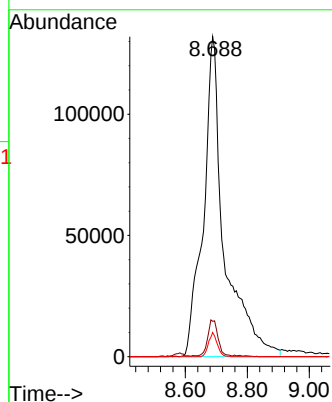
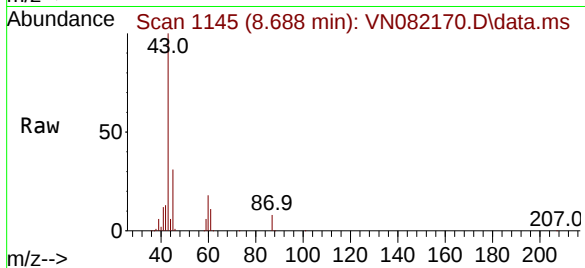




#43  
Isopropyl Acetate  
Concen: 100.295 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

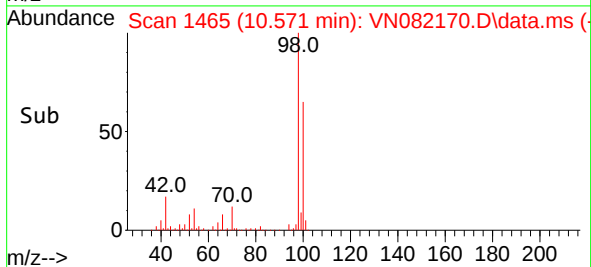
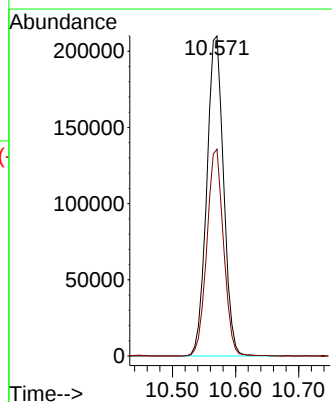
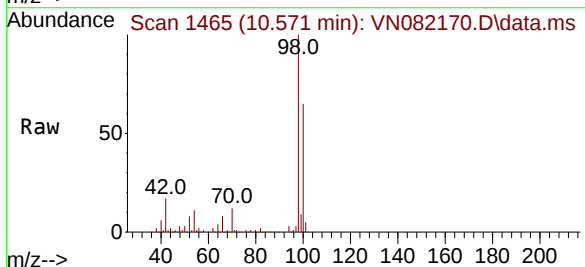
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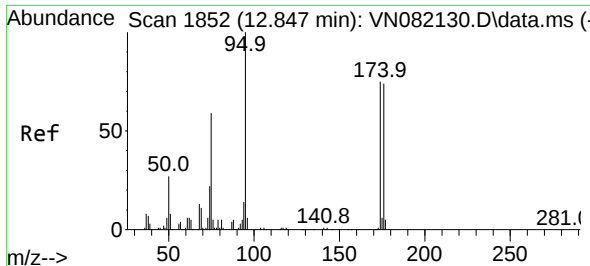
Tgt Ion: 43 Resp: 619921  
Ion Ratio Lower Upper  
43 100  
61 5.6 22.8 34.2#  
87 3.1 12.0 18.0#



#50  
Toluene-d8  
Concen: 54.527 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

Tgt Ion: 98 Resp: 388520  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.8 77.6

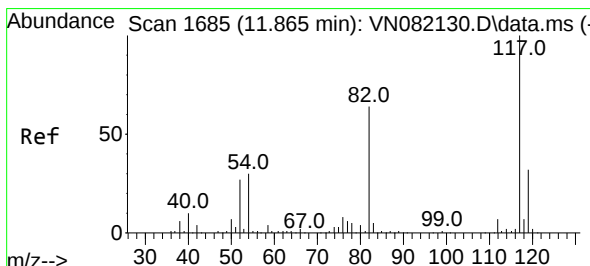
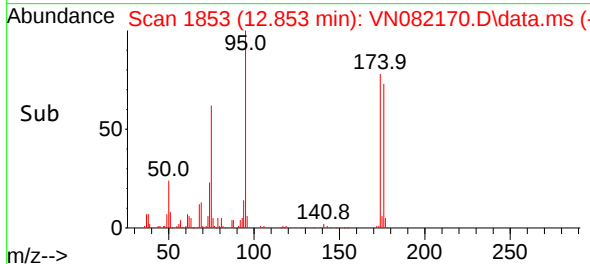
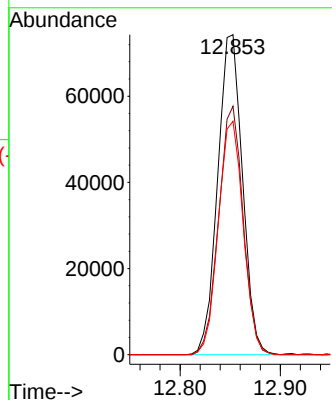
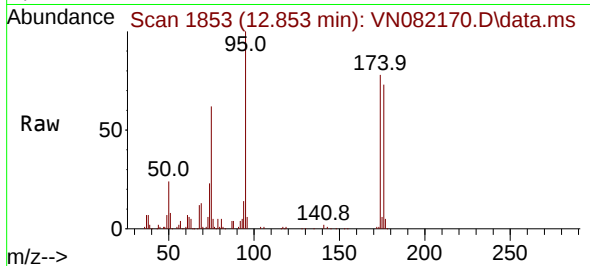




#62  
4-Bromofluorobenzene  
Concen: 50.198 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

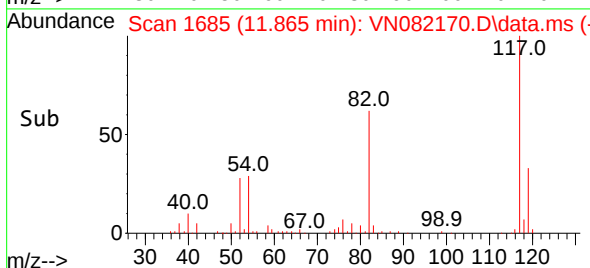
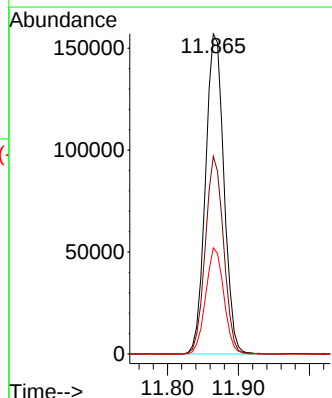
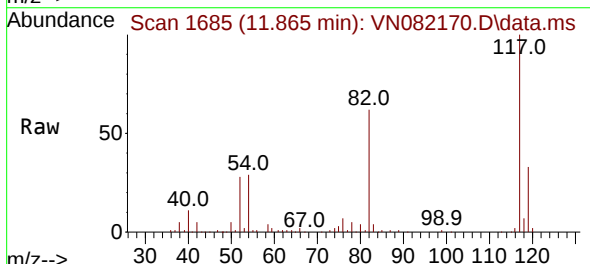
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Tgt Ion: 95 Resp: 127662  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 160.6  
176 73.1 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082170.D  
Acq: 16 May 2024 18:30

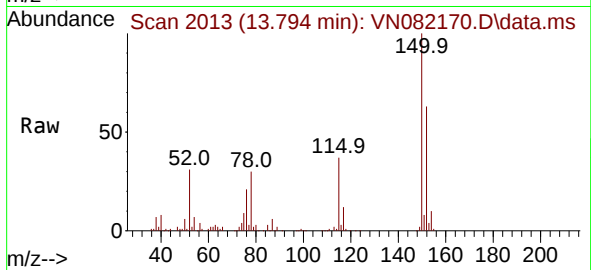
Tgt Ion: 117 Resp: 282991  
Ion Ratio Lower Upper  
117 100  
82 61.8 44.6 66.8  
119 33.1 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN082170.D  
 Acq: 16 May 2024 18:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB160937ZHE#05



Tgt Ion:152 Resp: 117501  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 30.4 91.3  
 150 156.7 0.0 353.2

