

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052024\  
 Data File : VN082218.D  
 Acq On : 20 May 2024 18:35  
 Operator : JC\MD  
 Sample : P2513-15  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-17

Quant Time: May 21 03:52:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

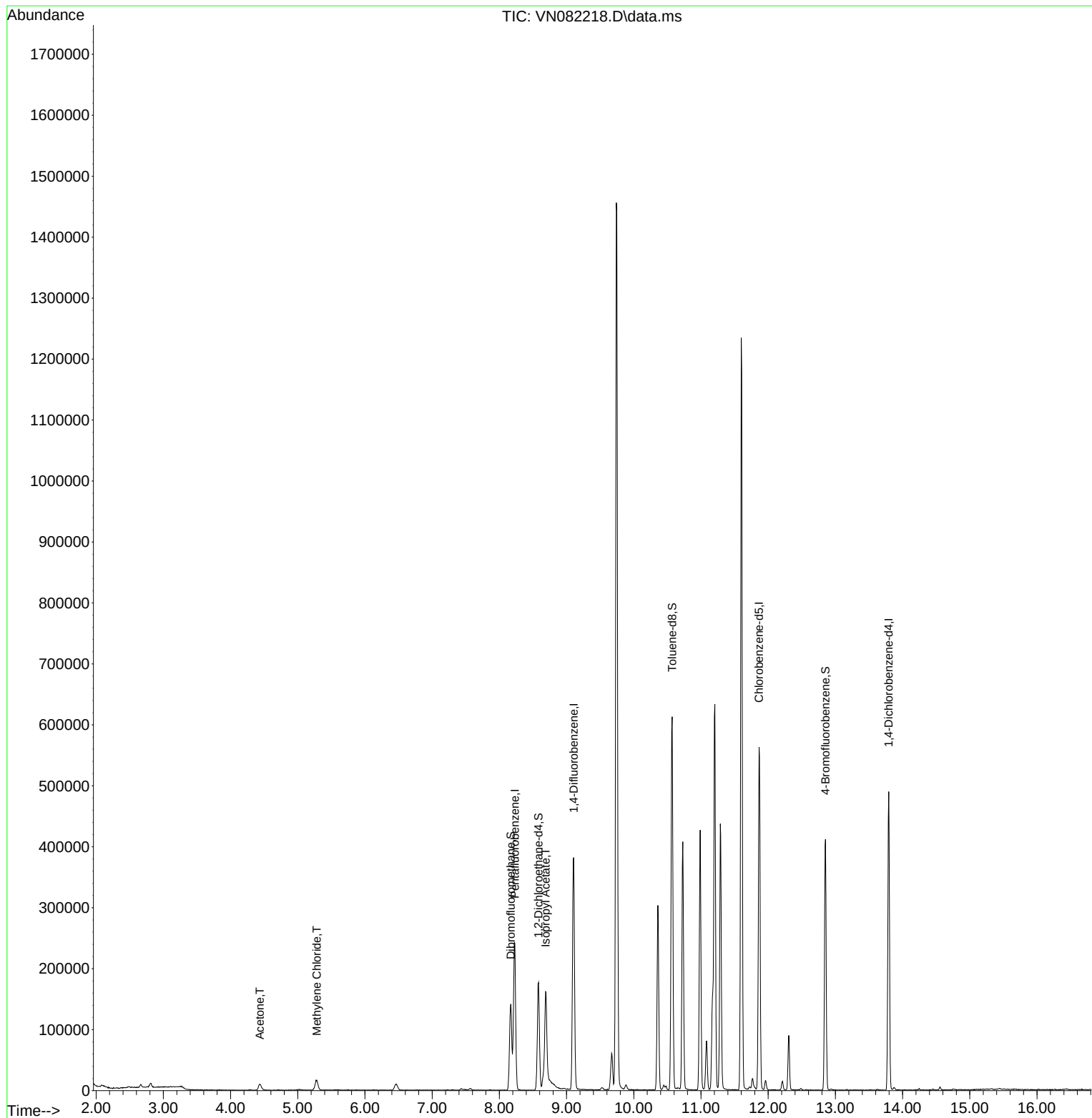
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 170057   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 306203   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 296068   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 122782   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 142190   | 52.952   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 105.900% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 99148    | 52.637   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 105.280% |          |
| 50) Toluene-d8              | 10.571    | 98    | 398257   | 55.148   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 110.300% |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 134021   | 51.995   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 64 - 133 | Recovery | = 103.980% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.436     | 43    | 20701    | 18.793   | ug/l       | 89       |
| 20) Methylene Chloride      | 5.283     | 84    | 10986    | 4.943    | ug/l #     | 83       |
| 43) Isopropyl Acetate       | 8.688     | 43    | 237145   | 37.855   | ug/l #     | 73       |
| -----                       |           |       |          |          |            |          |

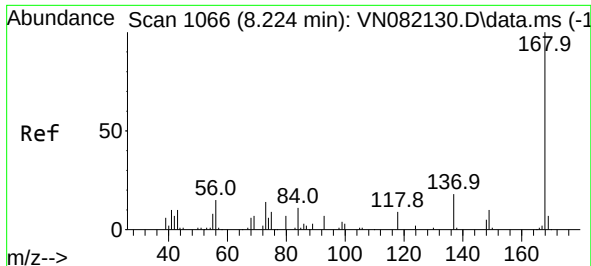
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 03:52:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration

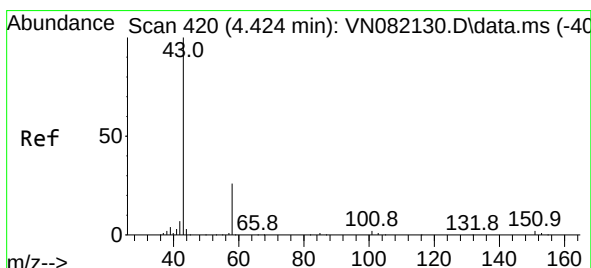
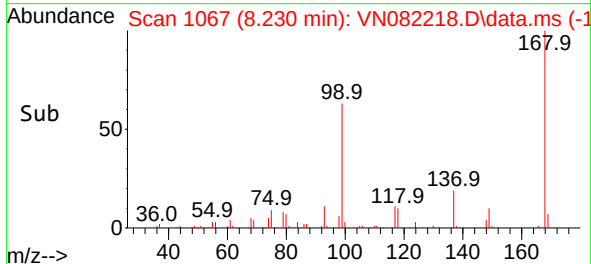
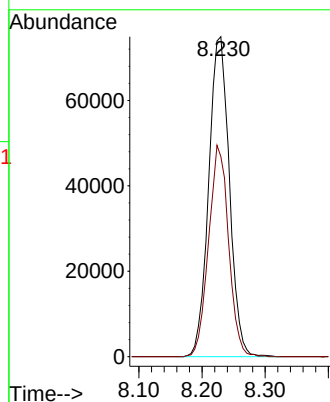
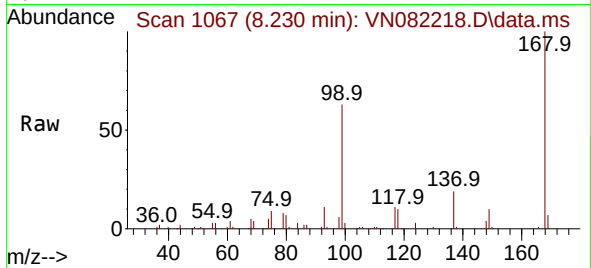




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

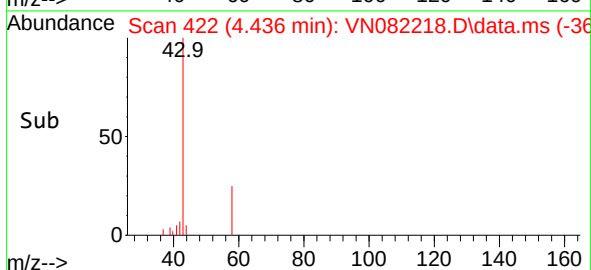
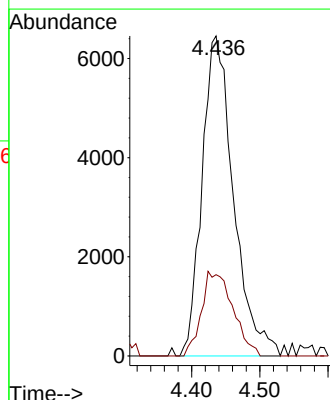
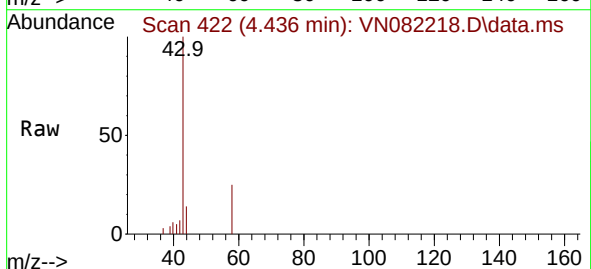
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-17

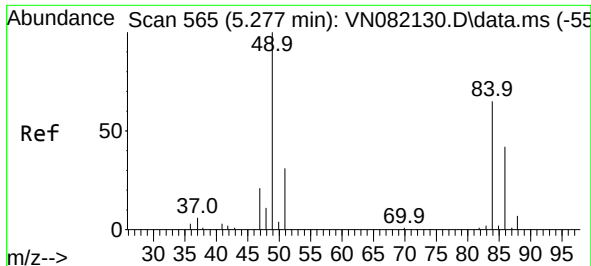
Tgt Ion:168 Resp: 170057  
Ion Ratio Lower Upper  
168 100  
99 62.5 48.2 72.4



#16  
Acetone  
Concen: 18.793 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

Tgt Ion: 43 Resp: 20701  
Ion Ratio Lower Upper  
43 100  
58 25.4 25.2 37.8

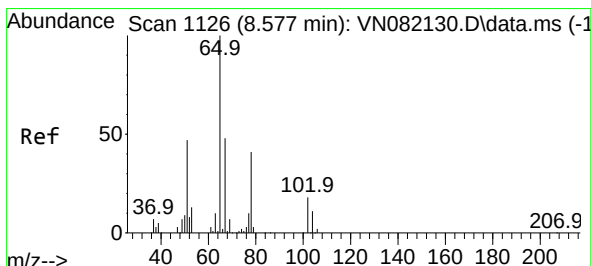
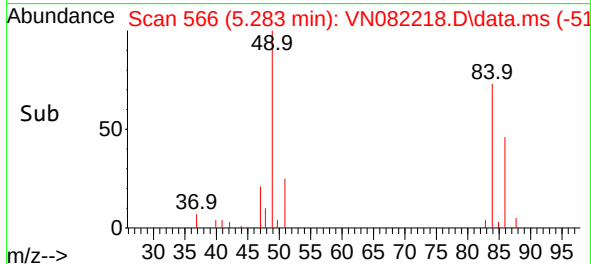
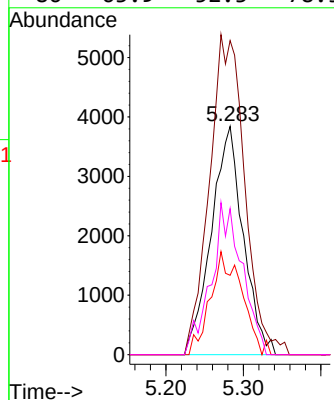
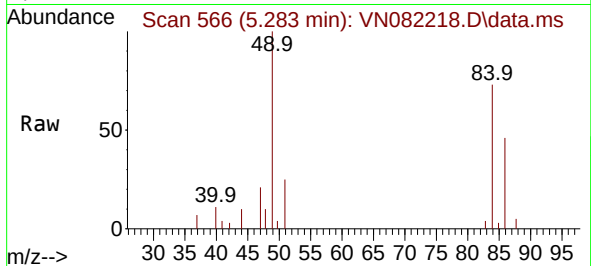




#20  
Methylene Chloride  
Concen: 4.943 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

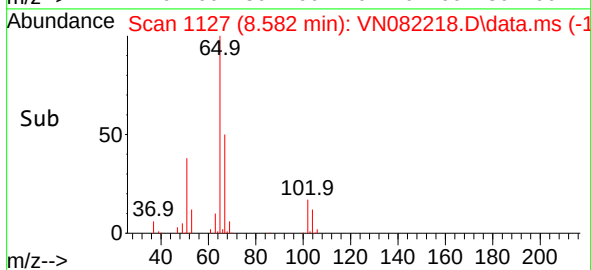
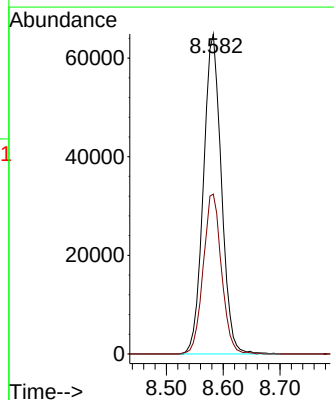
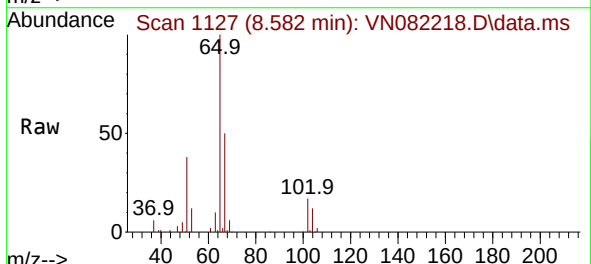
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-17

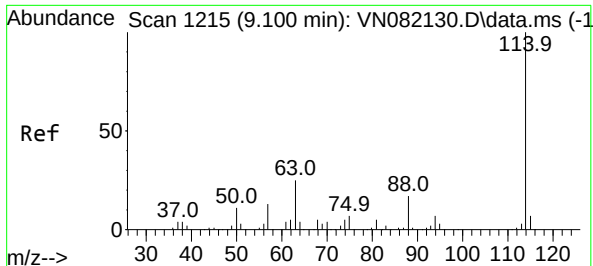
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 10986  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 137.5 | 84.9  | 127.3# |
| 51       | 34.8  | 27.0  | 40.6   |
| 86       | 63.9  | 52.3  | 78.5   |



#33  
1,2-Dichloroethane-d4  
Concen: 52.952 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 142190 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 50.9  | 0.0   | 103.0  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082218.D

Acq: 20 May 2024 18:35

Instrument :

MSVOA\_N

ClientSampleId :

TP-17

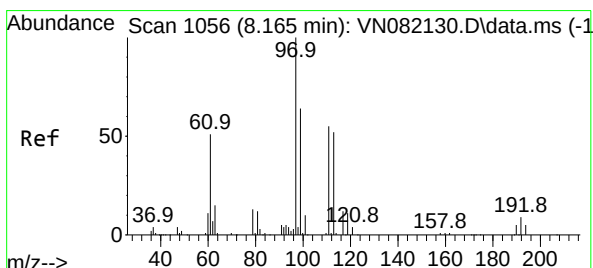
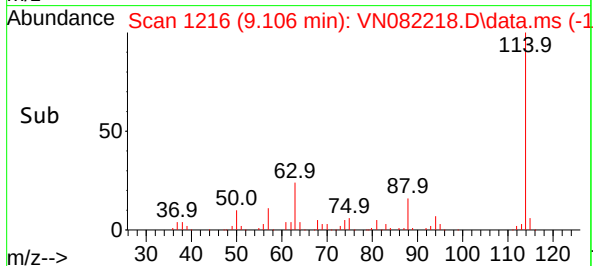
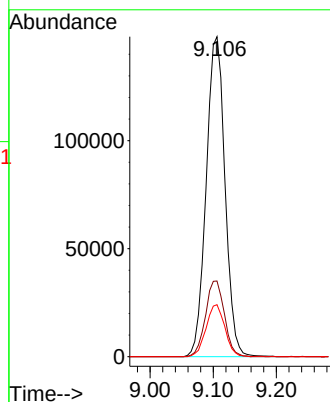
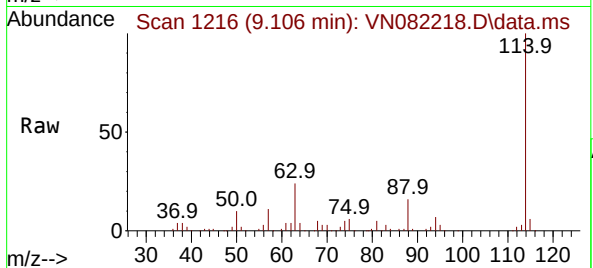
Tgt Ion:114 Resp: 306203

Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.637 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082218.D

Acq: 20 May 2024 18:35

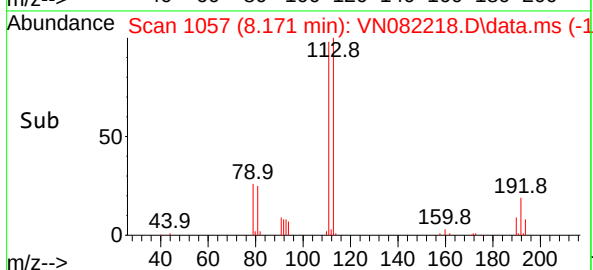
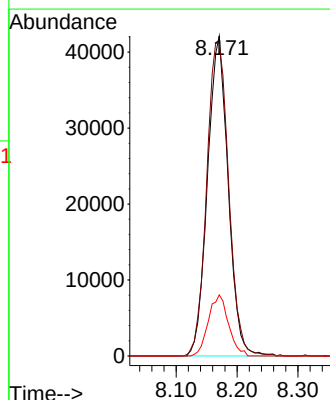
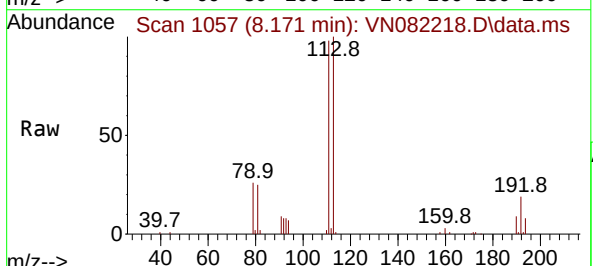
Tgt Ion:113 Resp: 99148

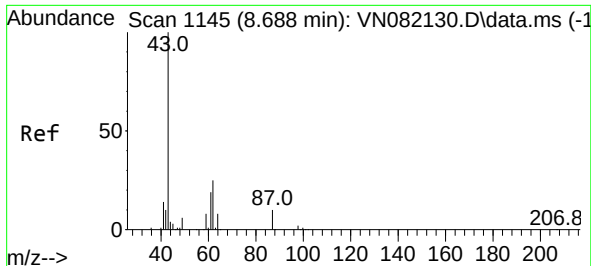
Ion Ratio Lower Upper

113 100

111 104.8 83.4 125.2

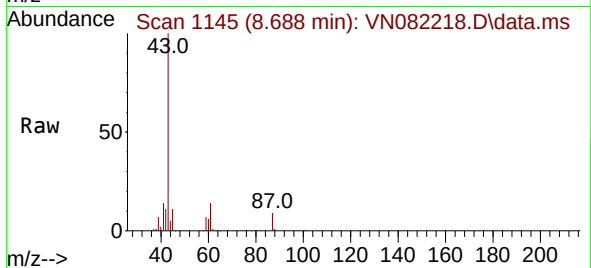
192 18.6 14.0 21.0



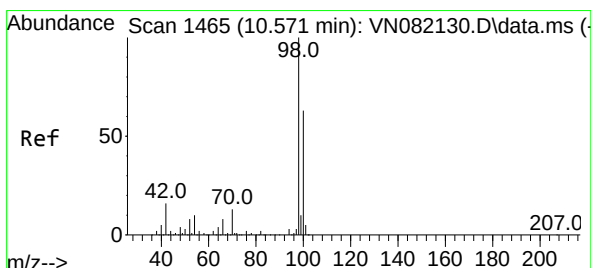
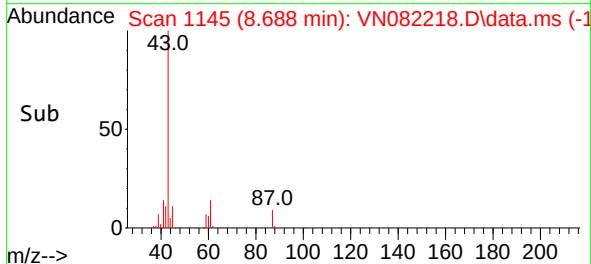
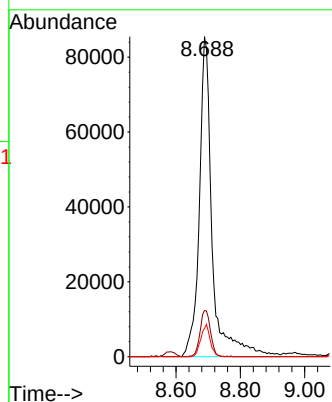


#43  
Isopropyl Acetate  
Concen: 37.855 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

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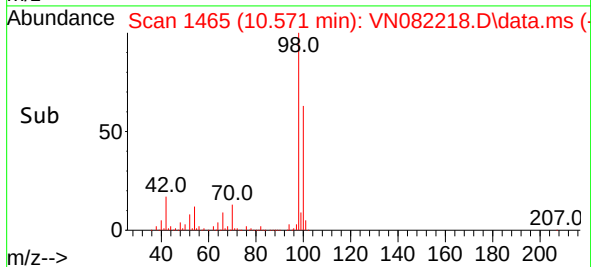
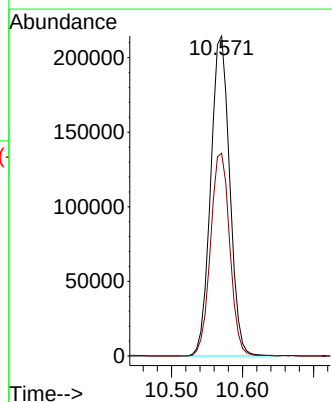
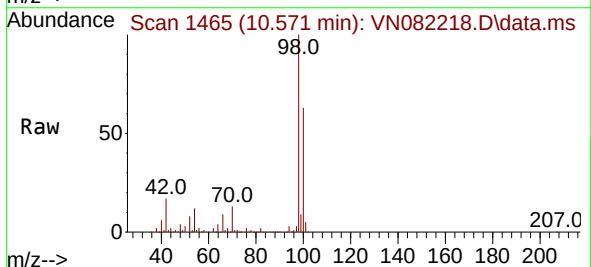


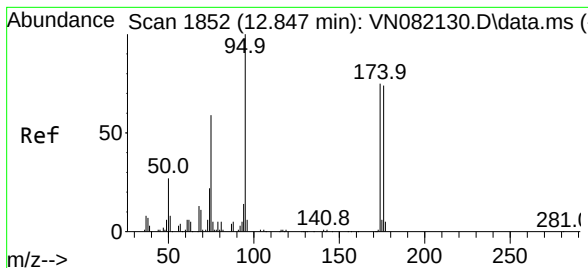
Tgt Ion: 43 Resp: 237145  
Ion Ratio Lower Upper  
43 100  
61 11.7 22.8 34.2#  
87 7.3 12.0 18.0#



#50  
Toluene-d8  
Concen: 55.148 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

Tgt Ion: 98 Resp: 398257  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.8 77.6

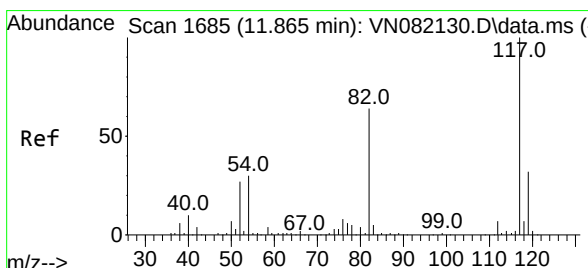
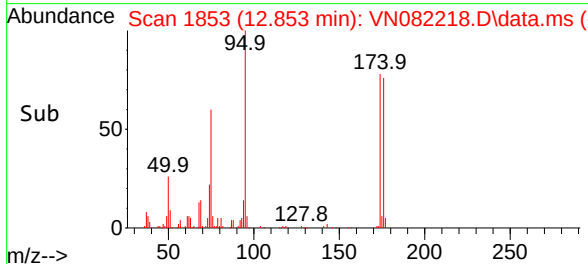
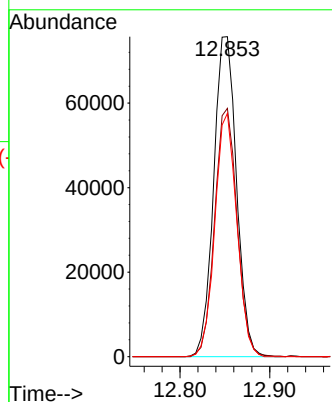
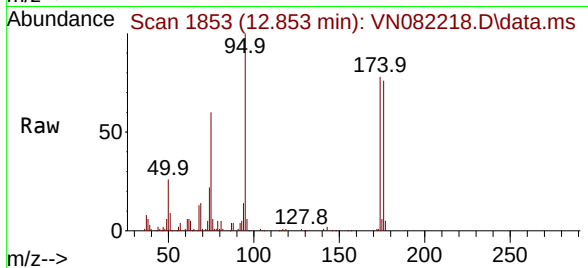




#62  
4-Bromofluorobenzene  
Concen: 51.995 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

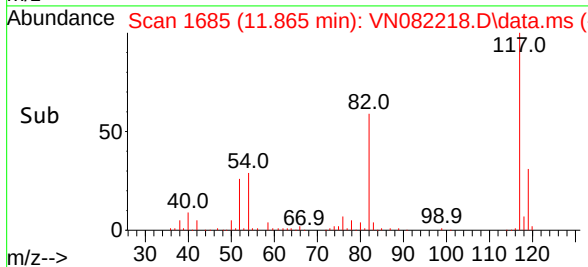
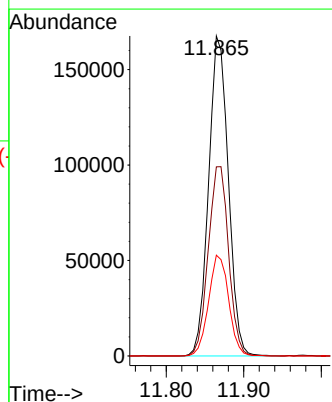
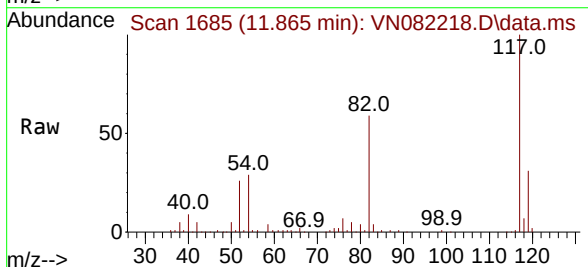
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MSVOA\_N  
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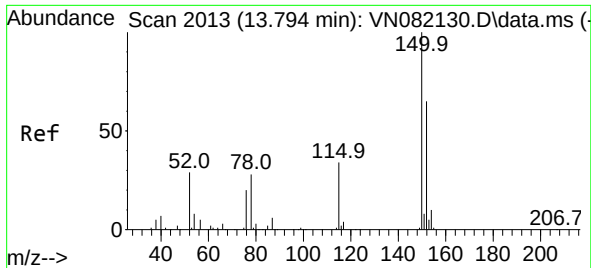
Tgt Ion: 95 Resp: 134021  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 160.6  
176 72.9 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082218.D  
Acq: 20 May 2024 18:35

Tgt Ion: 117 Resp: 296068  
Ion Ratio Lower Upper  
117 100  
82 59.1 44.6 66.8  
119 31.5 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: VN082218.D  
 Acq: 20 May 2024 18:35

Instrument :  
 MSVOA\_N  
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Tgt Ion:152 Resp: 122782  
 Ion Ratio Lower Upper  
 152 100  
 115 62.0 30.4 91.3  
 150 158.9 0.0 353.2

