

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020124\  
 Data File : VN080862.D  
 Acq On : 01 Feb 2024 12:02  
 Operator : JC\MD  
 Sample : PB158744TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158744TB

Quant Time: Feb 02 03:36:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 2024  
 Response via : Initial Calibration

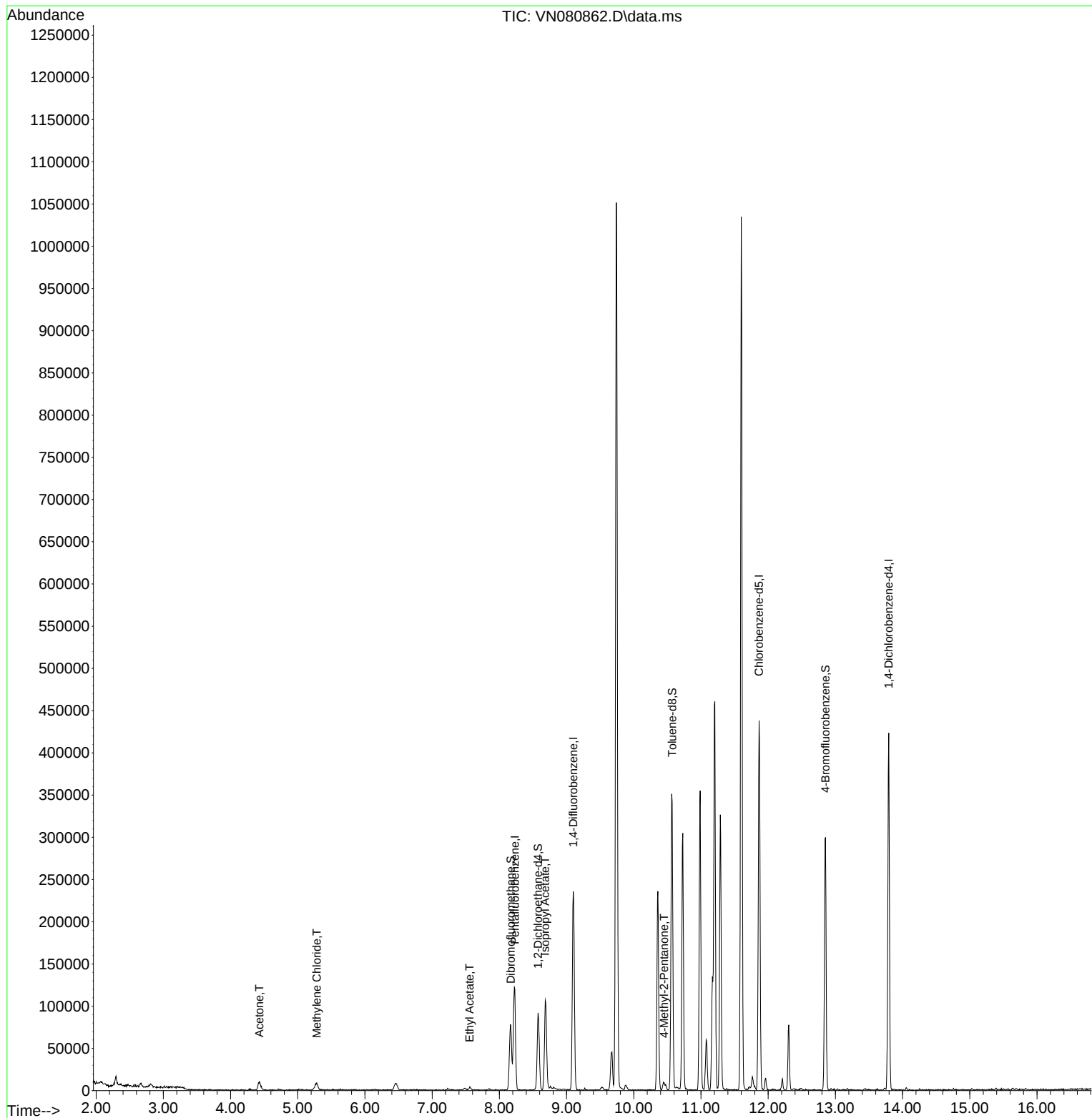
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                       |           |       |          |          |             |          |
| Internal Standards          |           |       |          |          |             |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 76713    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114   | 189358   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 205067   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 84532    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65    | 69623    | 52.462   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 104.920%  |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 55220    | 47.665   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 95.340%   |          |
| 50) Toluene-d8              | 10.571    | 98    | 214510   | 47.308   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 94.620%   |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 98358    | 62.249   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 124.500%# |          |
| Target Compounds            |           |       |          |          |             |          |
|                             |           |       |          |          | Qvalue      |          |
| 16) Acetone                 | 4.430     | 43    | 18152    | 37.714   | ug/l        | 98       |
| 20) Methylene Chloride      | 5.283     | 84    | 5498     | 4.352    | ug/l #      | 72       |
| 37) Ethyl Acetate           | 7.559     | 43    | 5479     | 2.472    | ug/l #      | 92       |
| 43) Isopropyl Acetate       | 8.683     | 43    | 128615   | 31.869   | ug/l #      | 91       |
| 51) 4-Methyl-2-Pentanone    | 10.453    | 43    | 11512    | 5.103    | ug/l #      | 75       |
| -----                       |           |       |          |          |             |          |

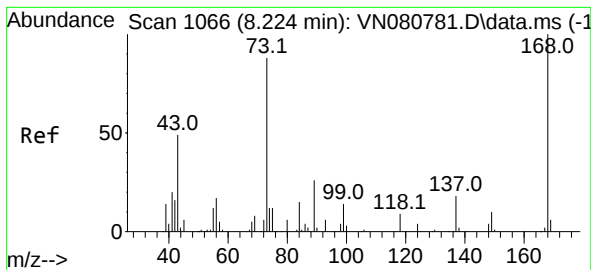
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 29 12:54:23 2024  
Response via : Initial Calibration

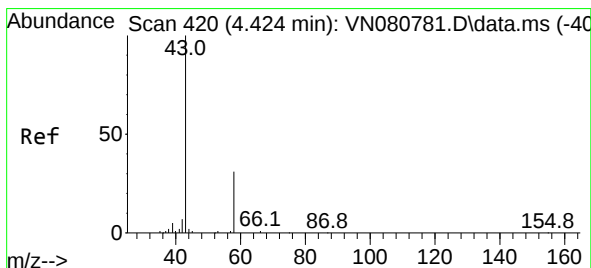
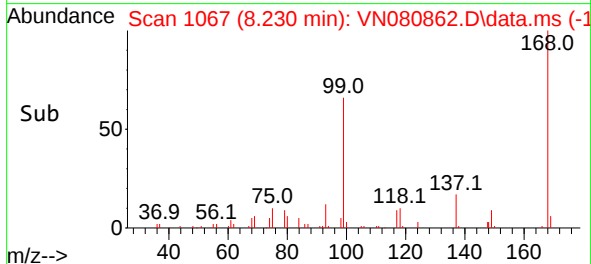
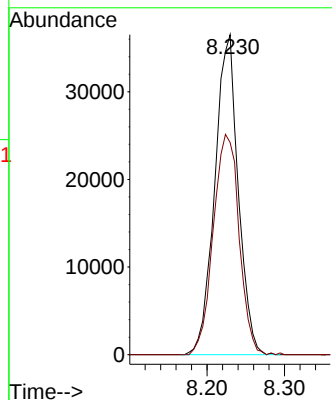
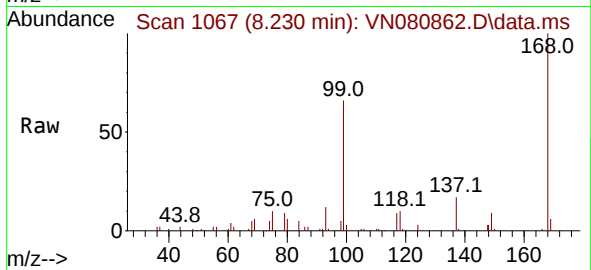




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

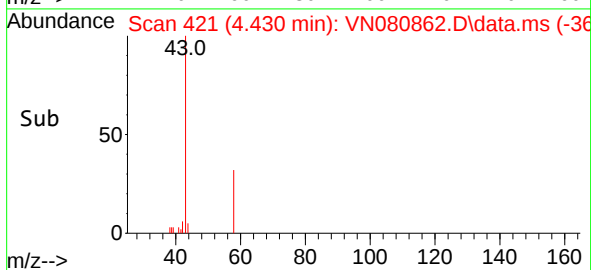
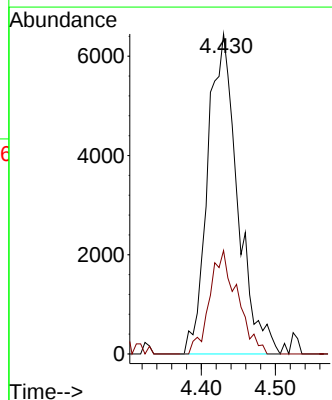
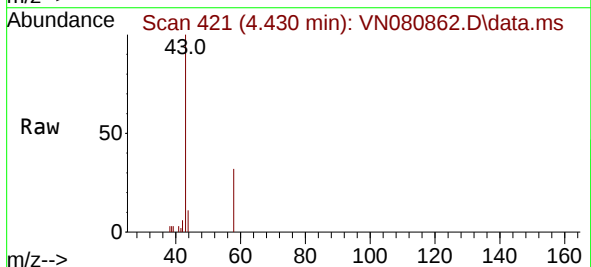
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158744TB

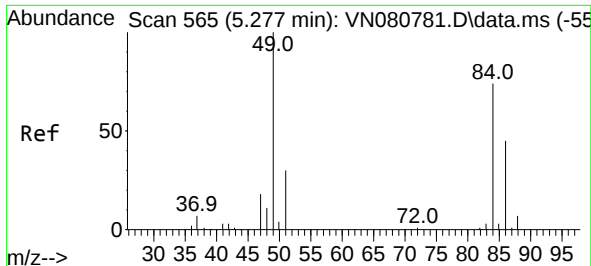
Tgt Ion:168 Resp: 76713  
Ion Ratio Lower Upper  
168 100  
99 66.3 59.9 89.9



#16  
Acetone  
Concen: 37.714 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

Tgt Ion: 43 Resp: 18152  
Ion Ratio Lower Upper  
43 100  
58 32.3 24.8 37.2

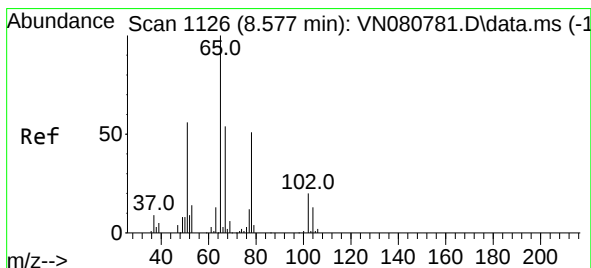
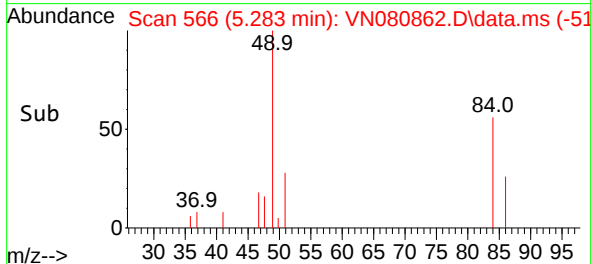
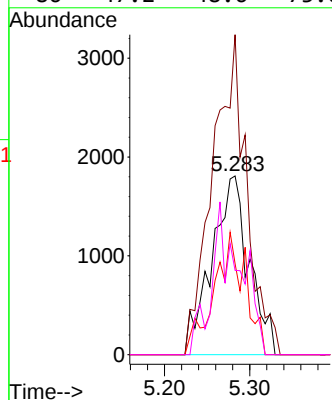
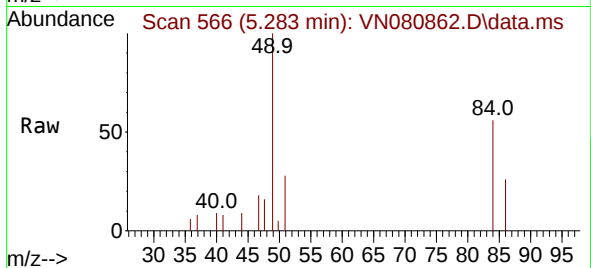




#20  
Methylene Chloride  
Concen: 4.352 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

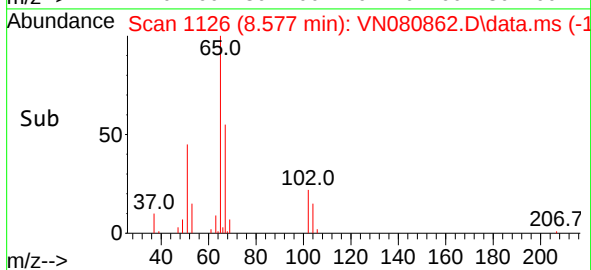
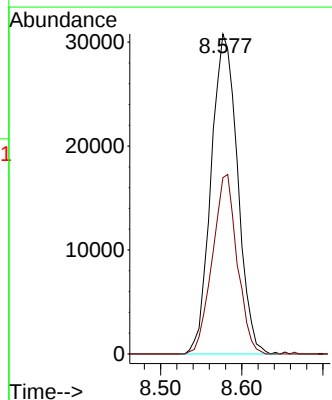
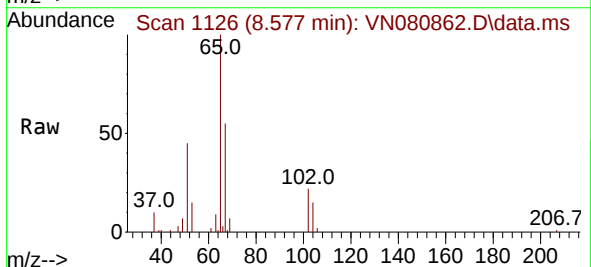
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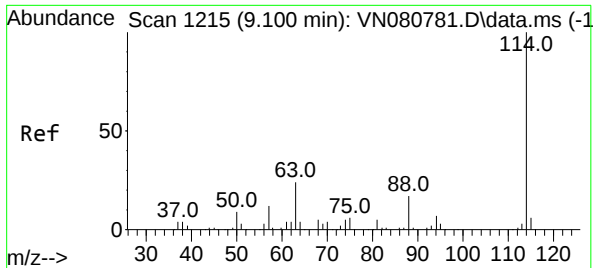
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 5498   |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 179.1    | 108.1 162.1# |
| 51 51.0     | 32.9 49.3#   |
| 86 47.2     | 48.6 73.0#   |



#33  
1,2-Dichloroethane-d4  
Concen: 52.462 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 69623 |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 52.6     | 0.0 102.4   |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080862.D

Acq: 01 Feb 2024 12:02

Instrument :

MSVOA\_N

ClientSampleId :

PB158744TB

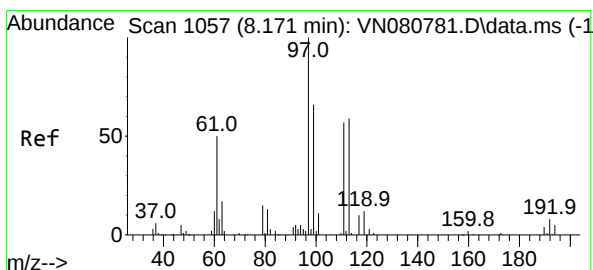
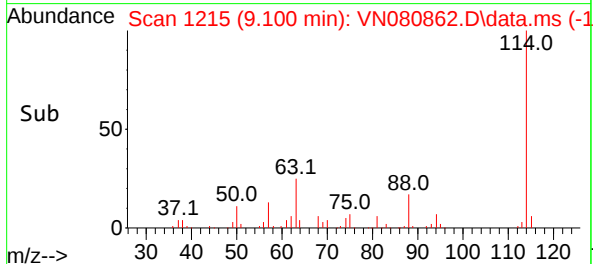
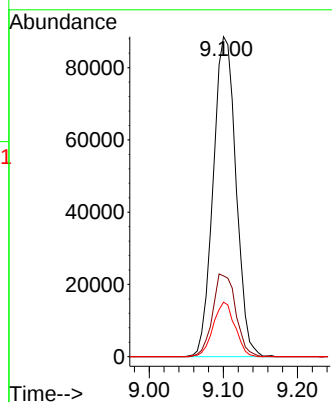
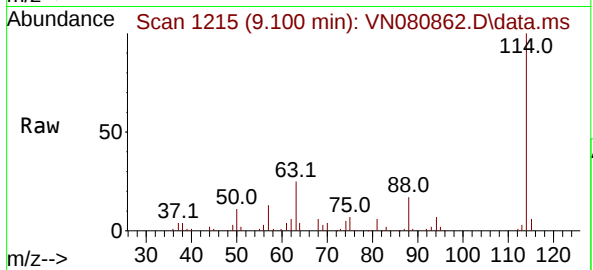
Tgt Ion:114 Resp: 189358

Ion Ratio Lower Upper

114 100

63 25.3 0.0 48.0

88 17.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 47.665 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080862.D

Acq: 01 Feb 2024 12:02

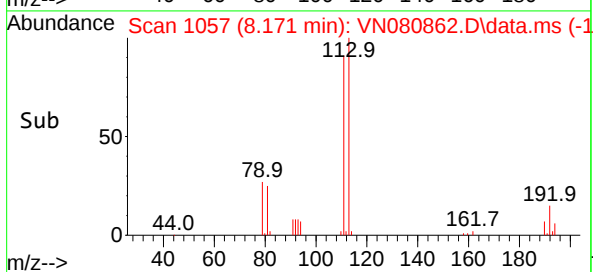
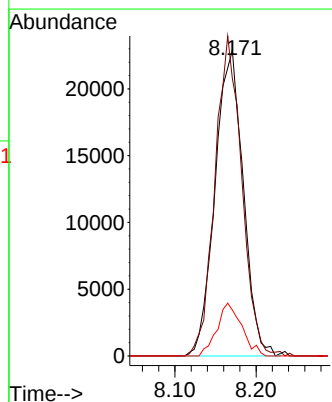
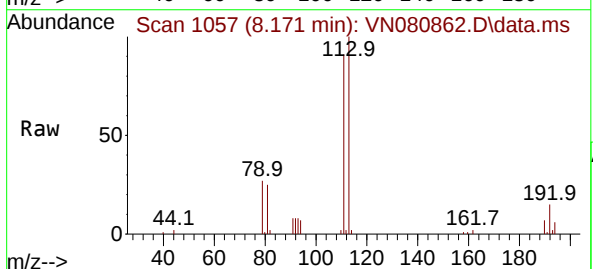
Tgt Ion:113 Resp: 55220

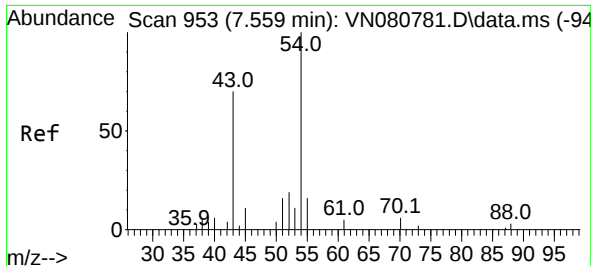
Ion Ratio Lower Upper

113 100

111 99.7 82.2 123.4

192 15.2 12.5 18.7

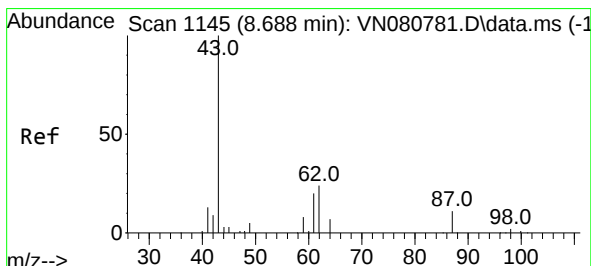
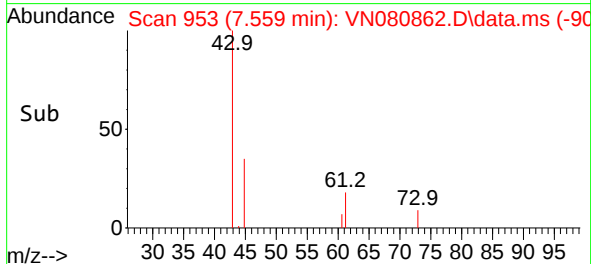
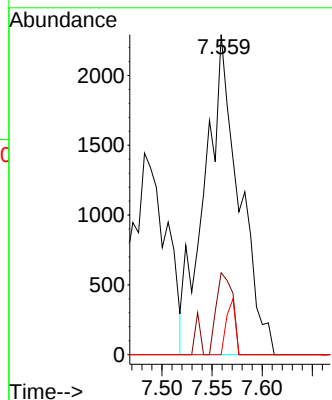
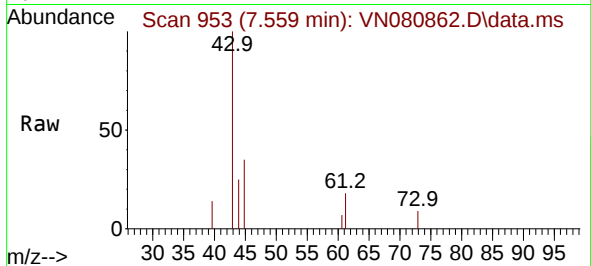




#37  
Ethyl Acetate  
Concen: 2.472 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

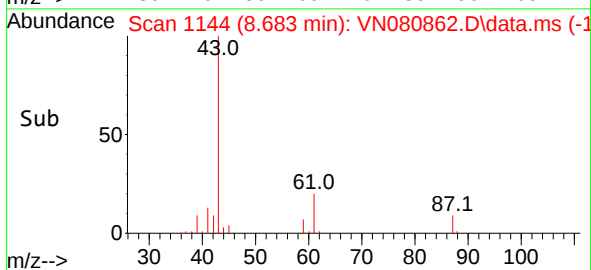
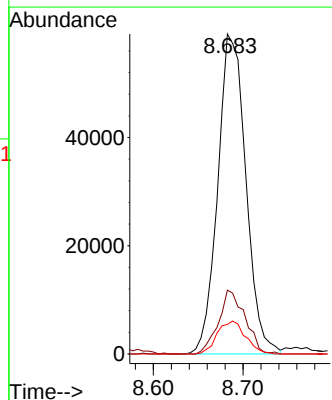
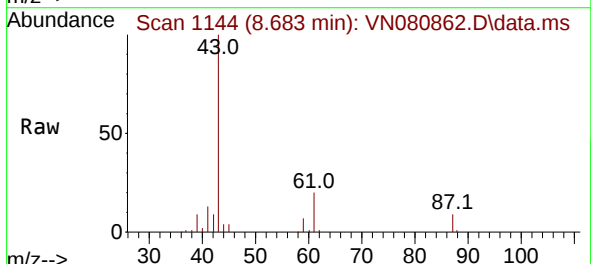
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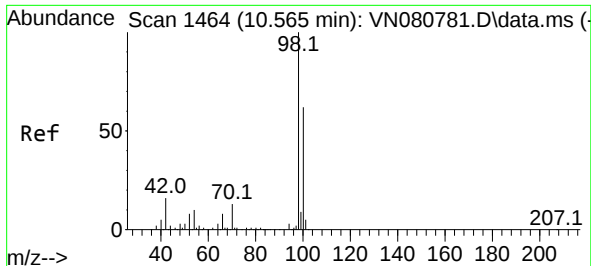
Tgt Ion: 43 Resp: 5479  
Ion Ratio Lower Upper  
43 100  
61 12.0 10.6 15.8  
70 4.4 8.0 12.0#



#43  
Isopropyl Acetate  
Concen: 31.869 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

Tgt Ion: 43 Resp: 128615  
Ion Ratio Lower Upper  
43 100  
61 18.9 19.9 29.9#  
87 10.3 9.0 13.6

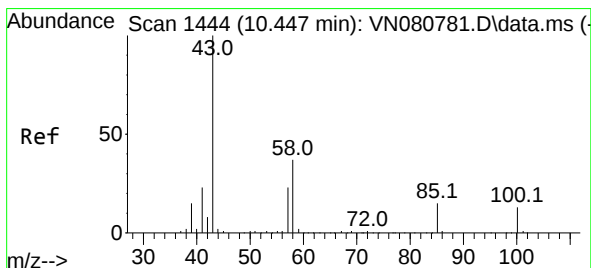
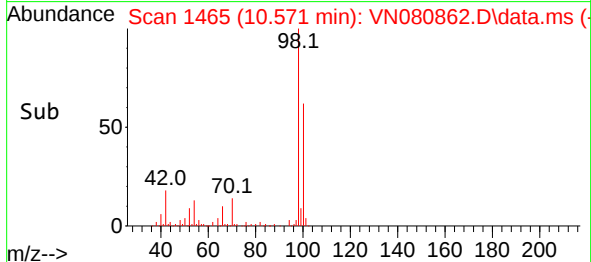
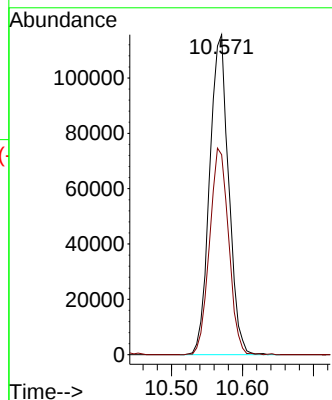
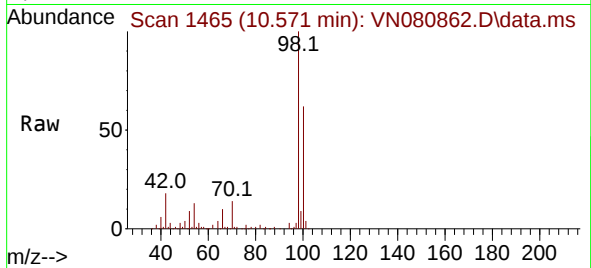




#50  
Toluene-d8  
Concen: 47.308 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

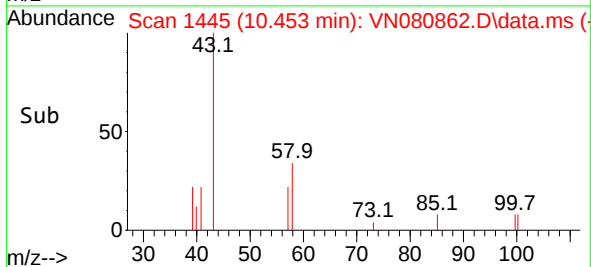
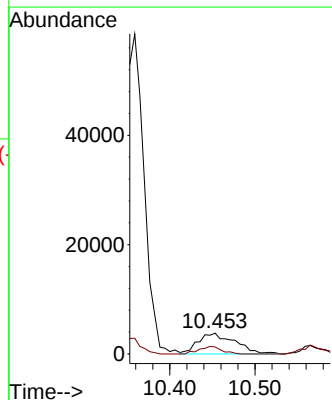
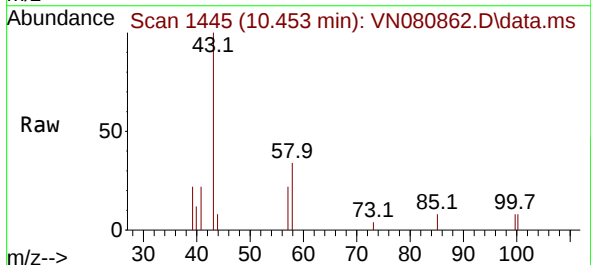
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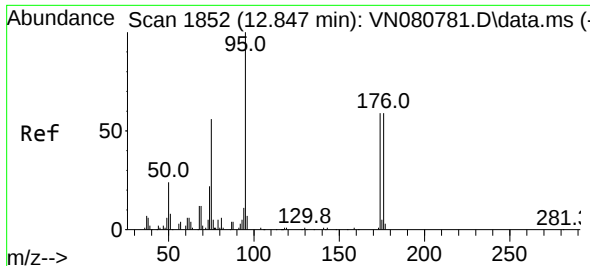
Tgt Ion: 98 Resp: 214510  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 5.103 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

Tgt Ion: 43 Resp: 11512  
Ion Ratio Lower Upper  
43 100  
58 21.9 29.4 44.0#

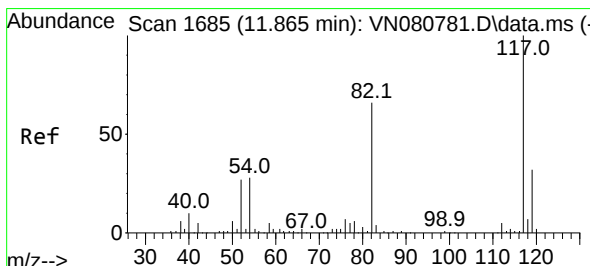
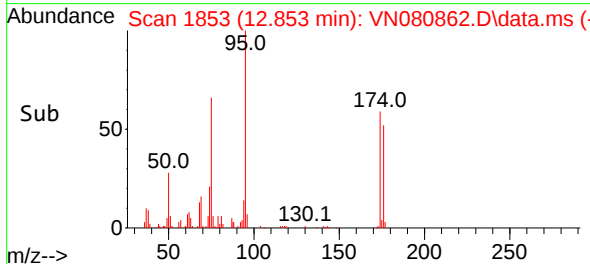
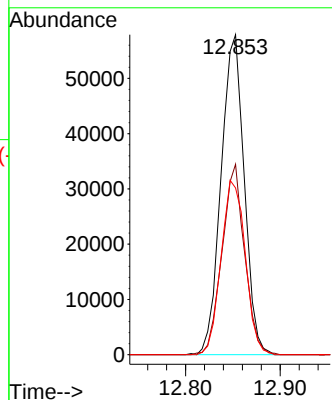
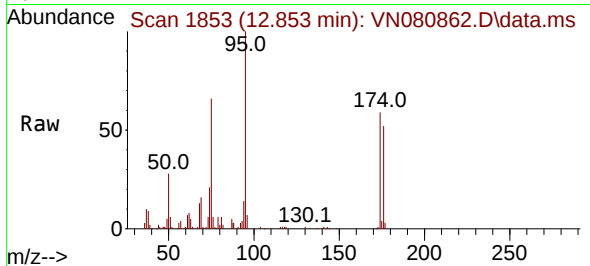




#62  
4-Bromofluorobenzene  
Concen: 62.249 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

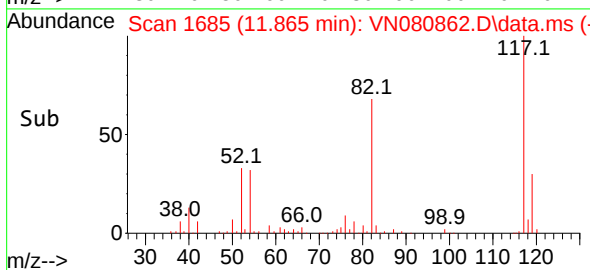
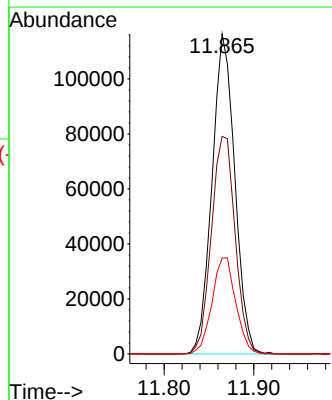
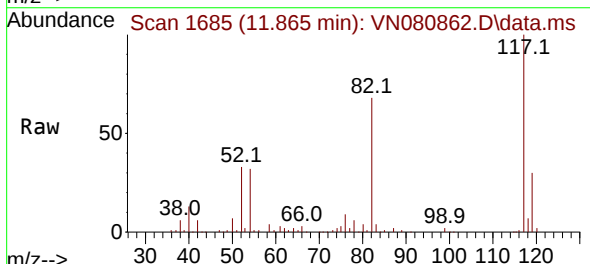
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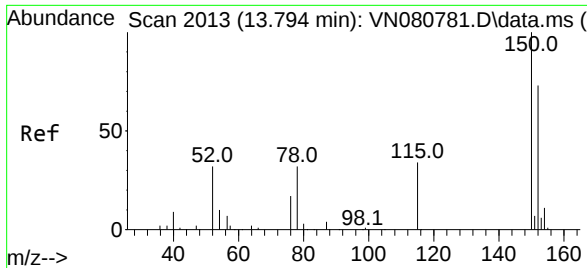
Tgt Ion: 95 Resp: 98358  
Ion Ratio Lower Upper  
95 100  
174 57.9 0.0 120.4  
176 56.9 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN080862.D  
Acq: 01 Feb 2024 12:02

Tgt Ion: 117 Resp: 205067  
Ion Ratio Lower Upper  
117 100  
82 68.0 52.7 79.1  
119 30.0 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: VN080862.D  
 Acq: 01 Feb 2024 12:02

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158744TB

Tgt Ion:152 Resp: 84532  
 Ion Ratio Lower Upper  
 152 100  
 115 71.9 32.3 96.8  
 150 157.9 0.0 339.8

