

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060325\  
 Data File : VN086840.D  
 Acq On : 03 Jun 2025 14:08  
 Operator : JC\MD  
 Sample : PB168225ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB168225ZHE#01

Quant Time: Jun 04 01:59:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 17 00:46:13 2025  
 Response via : Initial Calibration

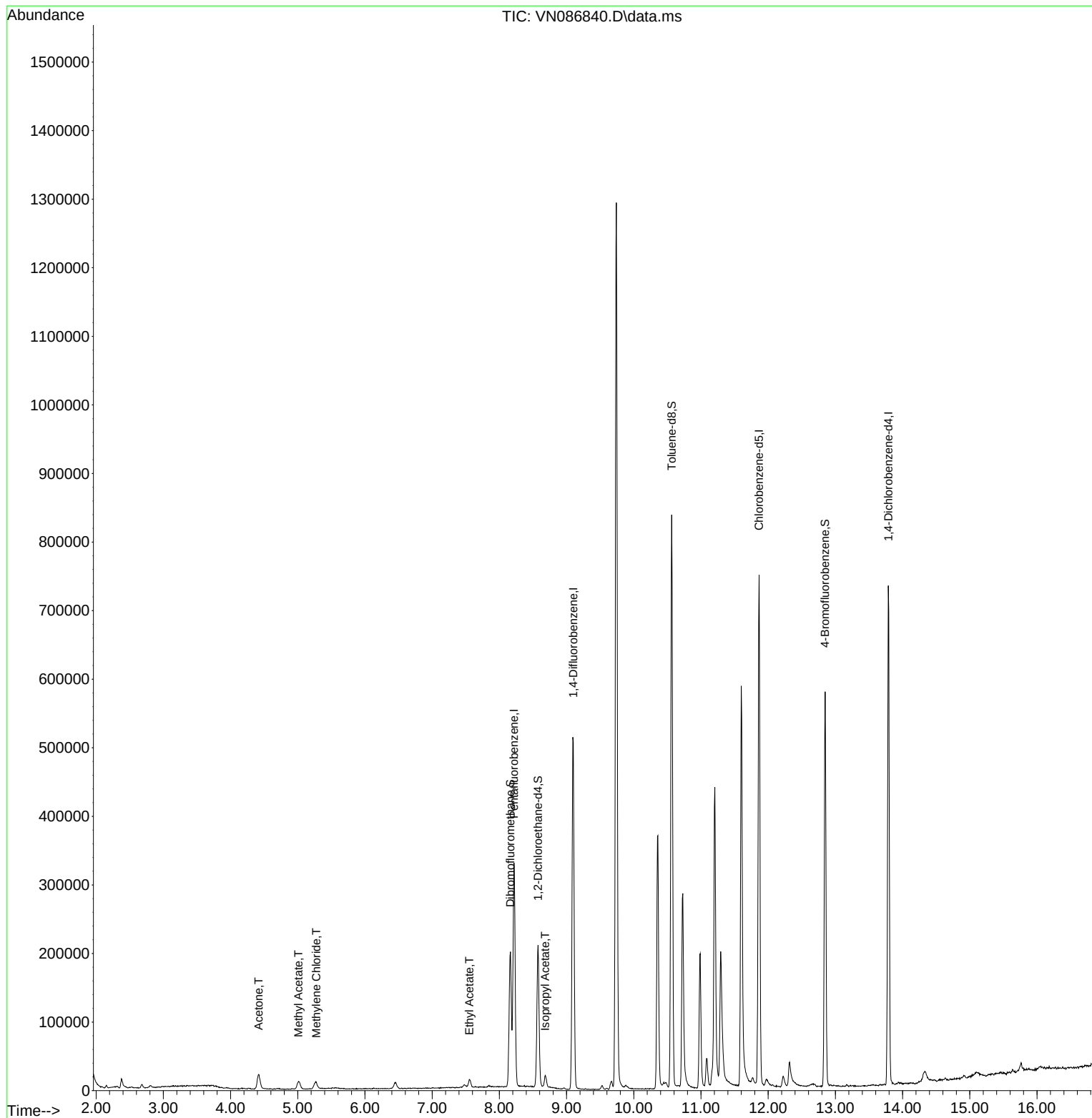
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|----------|----------|
| -----                       |        |                |          |        |          |          |
| Internal Standards          |        |                |          |        |          |          |
| 1) Pentafluorobenzene       | 8.218  | 168            | 246675   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 481598   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 453112   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 207697   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65             | 167446   | 49.125 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | =      | 98.240%  |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 149136   | 51.998 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =      | 104.000% |          |
| 50) Toluene-d8              | 10.565 | 98             | 610799   | 51.390 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | =      | 102.780% |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 226103   | 53.876 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | =      | 107.760% |          |
| Target Compounds            |        |                |          |        |          |          |
|                             |        |                |          |        | Qvalue   |          |
| 16) Acetone                 | 4.418  | 43             | 41092    | 32.228 | ug/l     | 99       |
| 18) Methyl Acetate          | 5.012  | 43             | 24442    | 6.849  | ug/l     | 100      |
| 20) Methylene Chloride      | 5.277  | 84             | 8381     | 2.491  | ug/l     | 93       |
| 37) Ethyl Acetate           | 7.553  | 43             | 17569    | 4.111  | ug/l     | 97       |
| 43) Isopropyl Acetate       | 8.682  | 43             | 20415    | 2.383  | ug/l #   | 92       |
| -----                       |        |                |          |        |          |          |

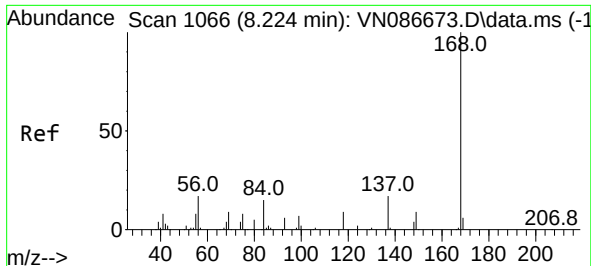
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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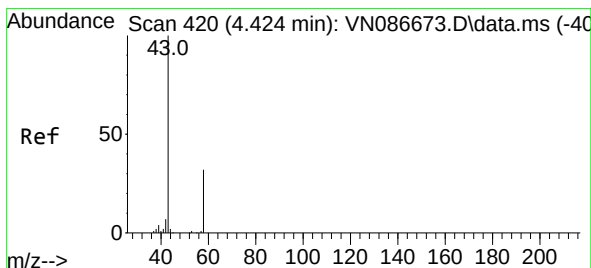
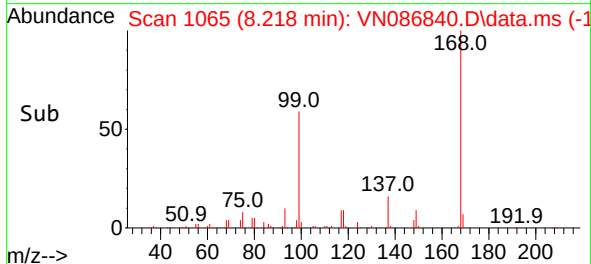
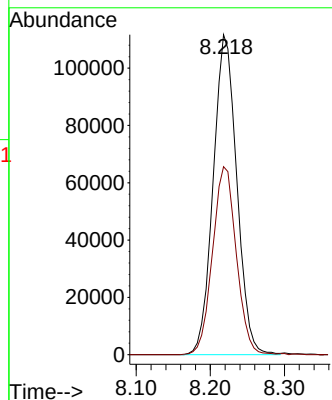
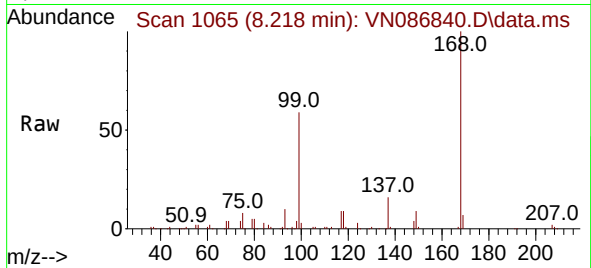




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

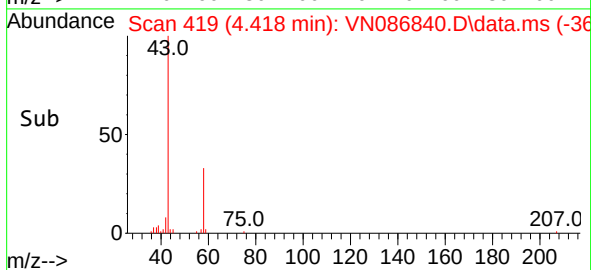
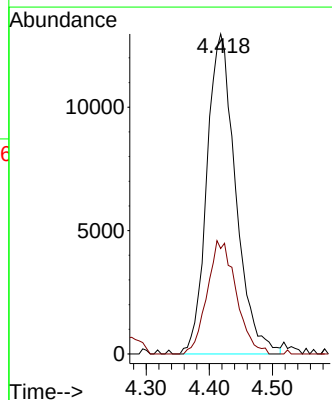
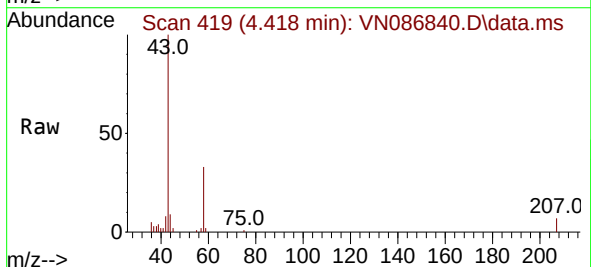
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168225ZHE#01

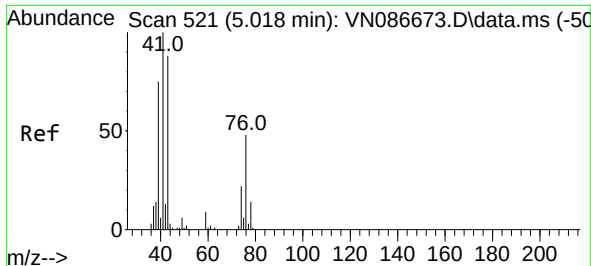
Tgt Ion:168 Resp: 246675  
Ion Ratio Lower Upper  
168 100  
99 58.7 47.0 70.4



#16  
Acetone  
Concen: 32.228 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

Tgt Ion: 43 Resp: 41092  
Ion Ratio Lower Upper  
43 100  
58 33.0 25.8 38.6

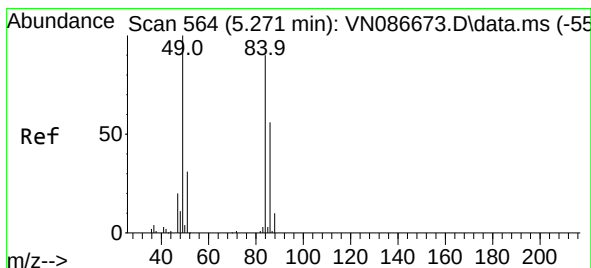
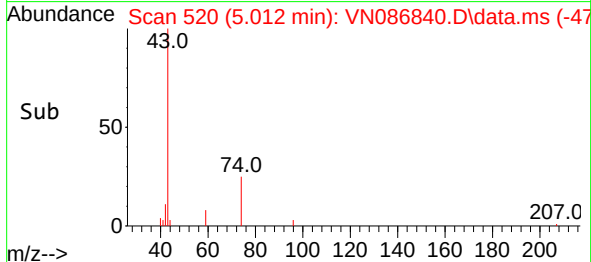
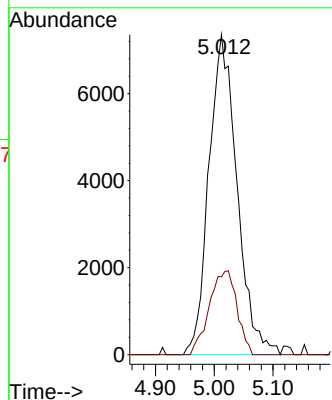
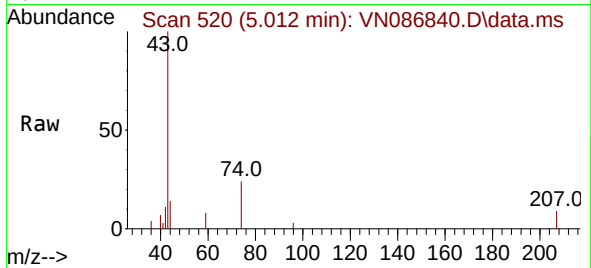




#18  
Methyl Acetate  
Concen: 6.849 ug/l  
RT: 5.012 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

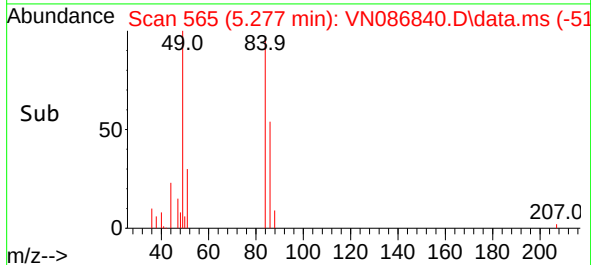
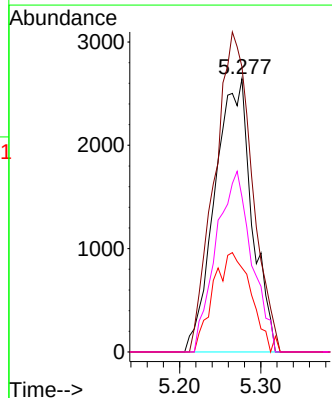
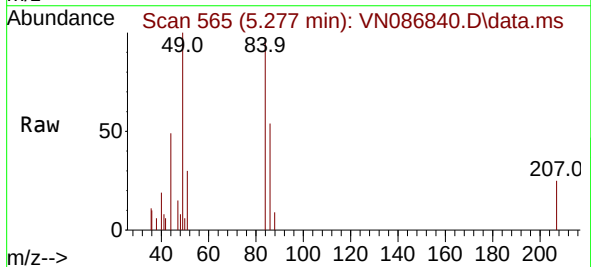
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168225ZHE#01

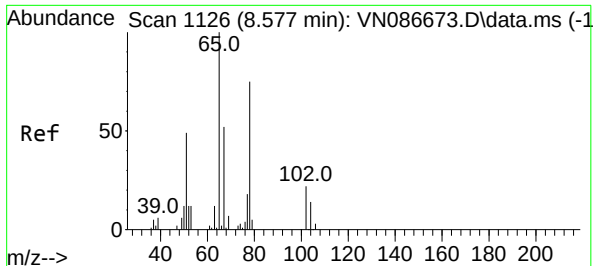
Tgt Ion: 43 Resp: 24442  
Ion Ratio Lower Upper  
43 100  
74 25.7 20.5 30.7



#20  
Methylene Chloride  
Concen: 2.491 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

Tgt Ion: 84 Resp: 8381  
Ion Ratio Lower Upper  
84 100  
49 104.3 88.8 133.2  
51 30.8 27.8 41.6  
86 56.7 49.8 74.6

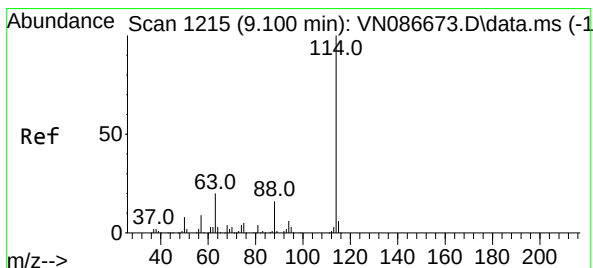
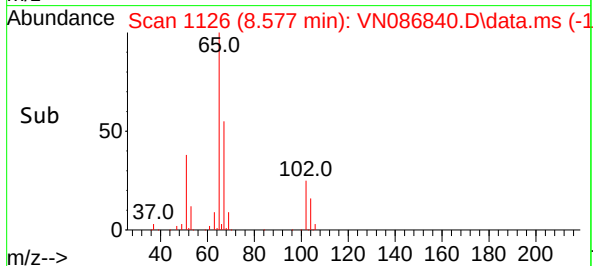
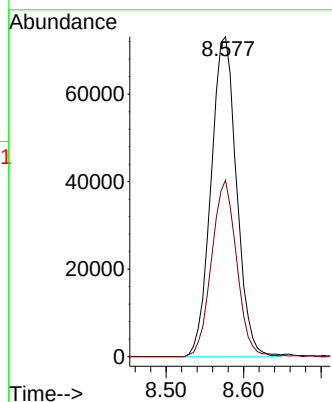
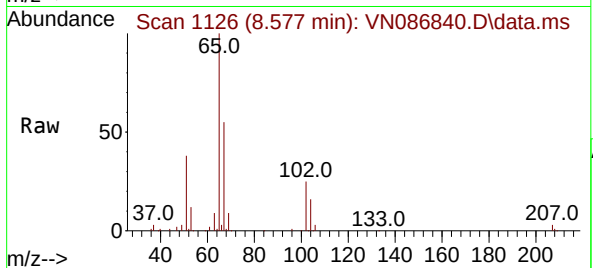




#33  
1,2-Dichloroethane-d4  
Concen: 49.125 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

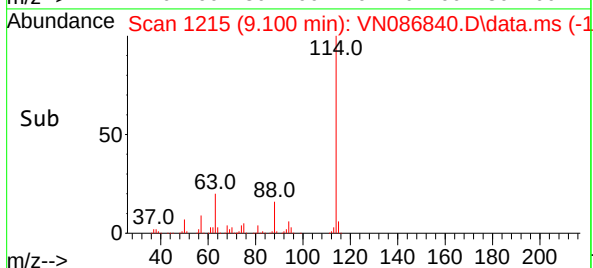
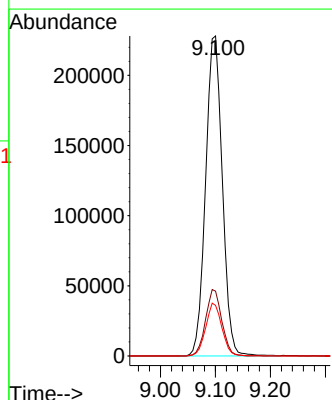
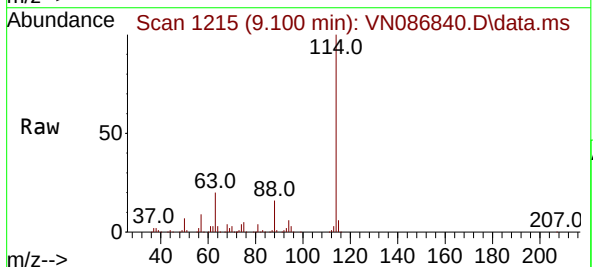
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168225ZHE#01

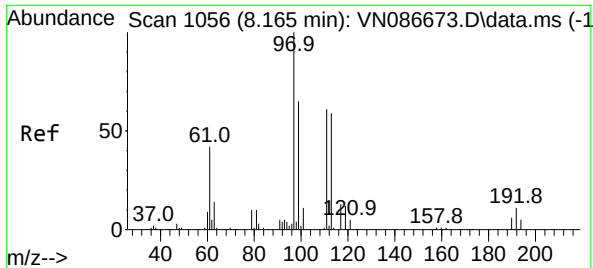
Tgt Ion: 65 Resp: 167446  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 106.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

Tgt Ion: 114 Resp: 481598  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.2  
88 15.8 0.0 31.2

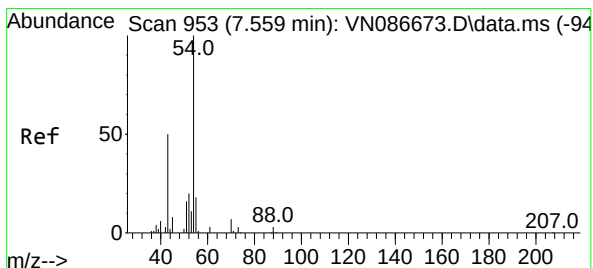
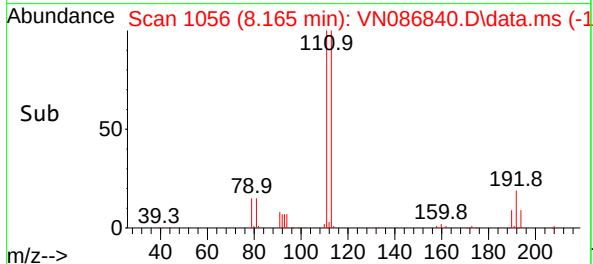
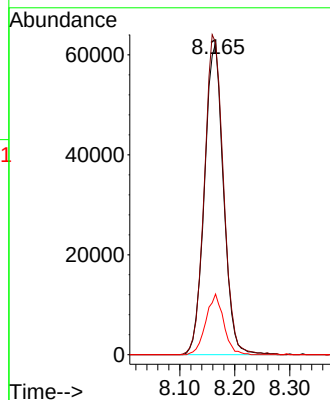
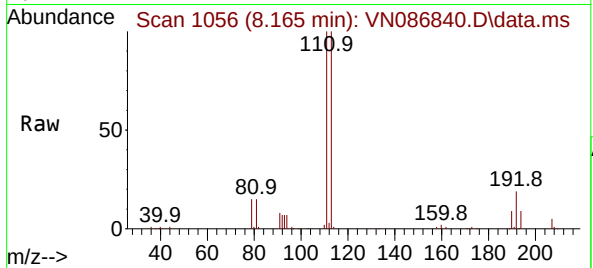




#35  
Dibromofluoromethane  
Concen: 51.998 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

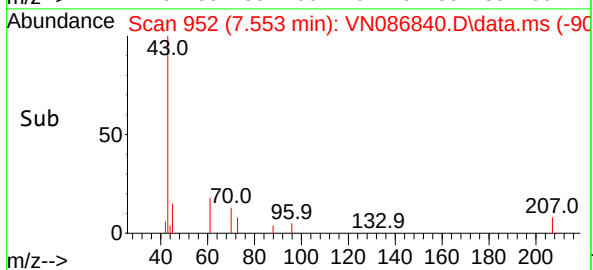
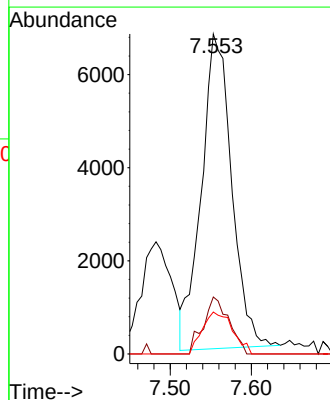
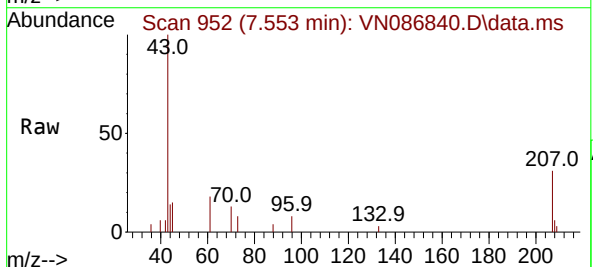
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168225ZHE#01

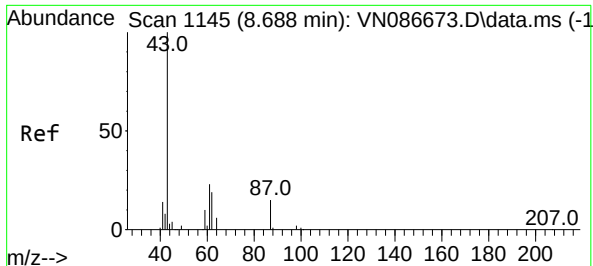
Tgt Ion:113 Resp: 149136  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.2  
192 18.3 13.8 20.8



#37  
Ethyl Acetate  
Concen: 4.111 ug/l  
RT: 7.553 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

Tgt Ion: 43 Resp: 17569  
Ion Ratio Lower Upper  
43 100  
61 15.3 11.6 17.4  
70 13.3 9.4 14.0





#43

Isopropyl Acetate

Concen: 2.383 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086840.D

Acq: 03 Jun 2025 14:08

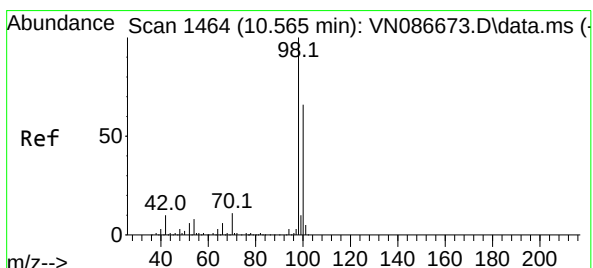
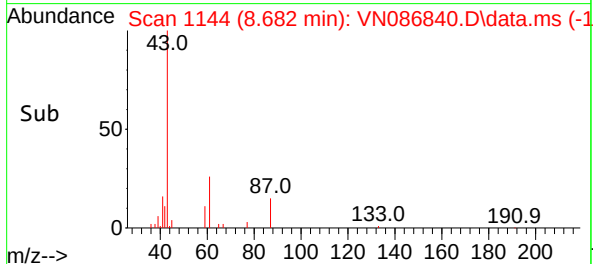
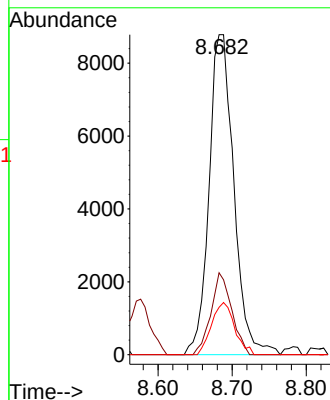
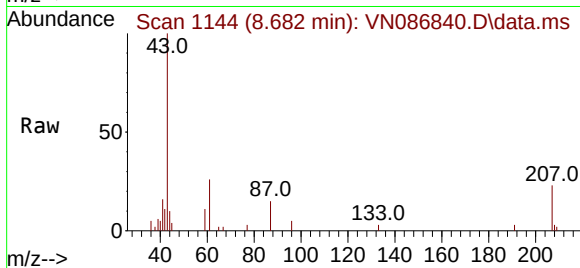
Instrument :

MSVOA\_N

ClientSampleId :

PB168225ZHE#01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20415 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 21.4  | 21.4  | 32.2# |
| 87       | 15.1  | 11.1  | 16.7  |



#50

Toluene-d8

Concen: 51.390 ug/l

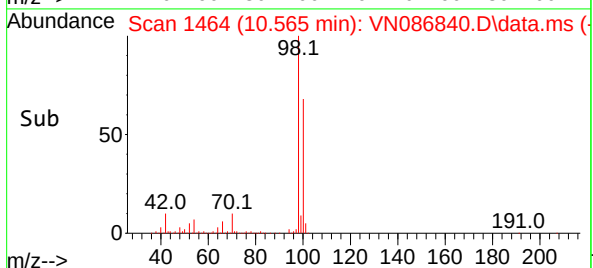
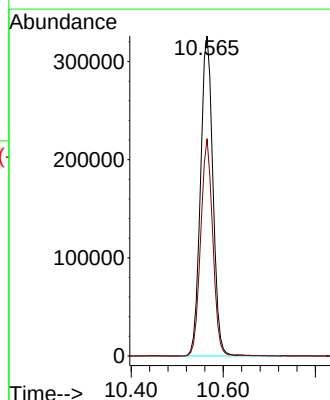
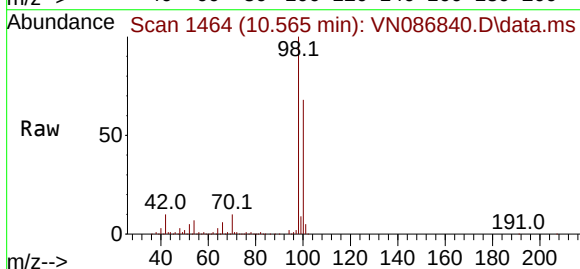
RT: 10.565 min Scan# 1464

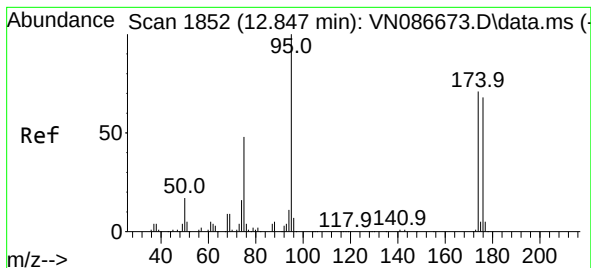
Delta R.T. -0.000 min

Lab File: VN086840.D

Acq: 03 Jun 2025 14:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 610799 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.1  | 52.9  | 79.3   |

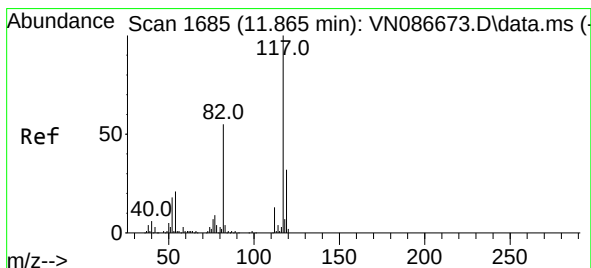
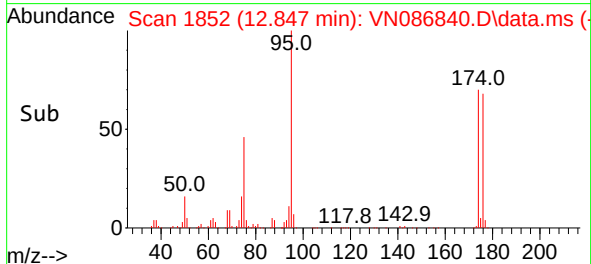
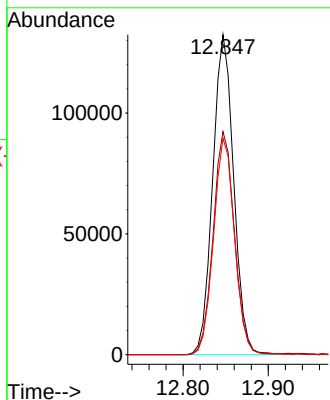
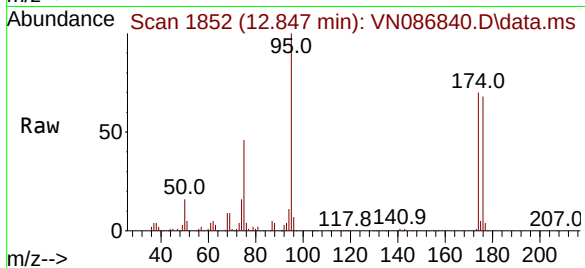




#62  
4-Bromofluorobenzene  
Concen: 53.876 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

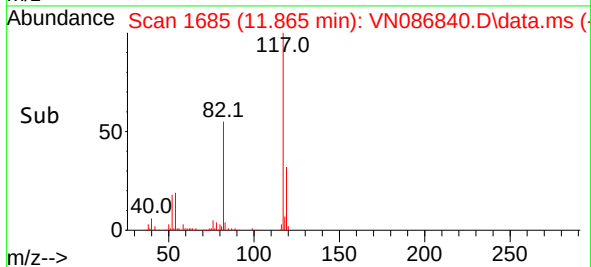
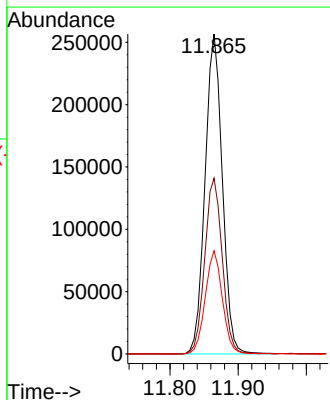
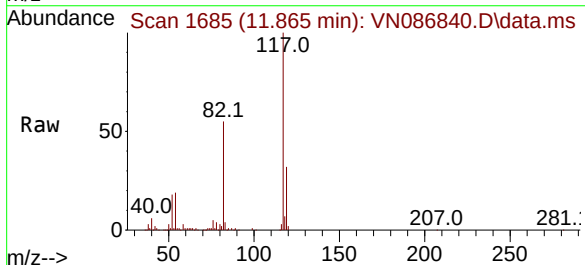
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MSVOA\_N  
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Tgt Ion: 95 Resp: 226103  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 145.4  
176 67.7 0.0 137.8

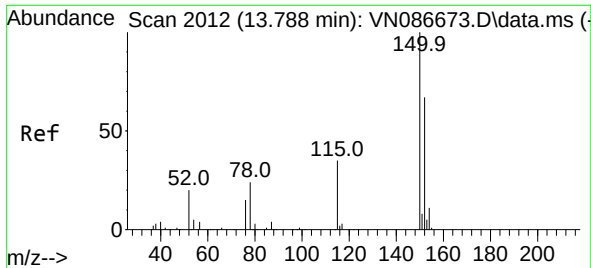


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086840.D  
Acq: 03 Jun 2025 14:08

Tgt Ion: 117 Resp: 453112  
Ion Ratio Lower Upper  
117 100  
82 54.9 44.2 66.2  
119 32.3 25.4 38.2

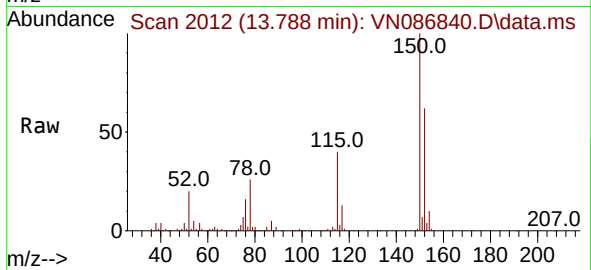






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN086840.D  
 Acq: 03 Jun 2025 14:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB168225ZHE#01



Tgt Ion:152 Resp: 207697  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.9  | 30.0  | 90.1  |
| 150 | 159.1 | 0.0   | 347.8 |

