

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060325\  
 Data File : VN086844.D  
 Acq On : 03 Jun 2025 15:45  
 Operator : JC\MD  
 Sample : PB168225ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB168225ZHE#05

Quant Time: Jun 04 02:00:48 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

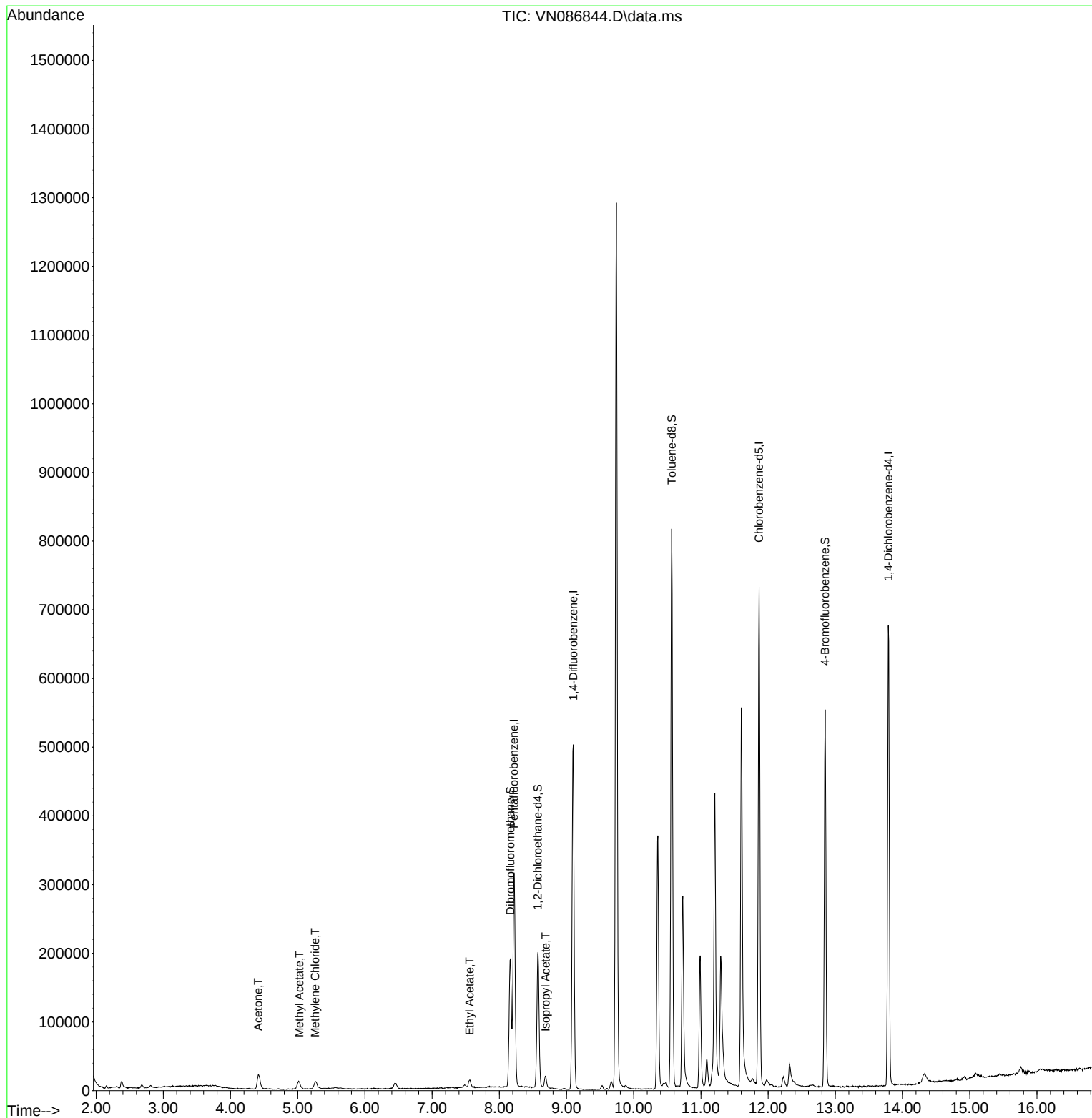
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.218  | 168   | 242731   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 465324   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 438882   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 195413   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 164708   | 49.106   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 98.220%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 144528   | 52.154   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 104.300% |
| 50) Toluene-d8              | 10.565 | 98    | 590758   | 51.442   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 102.880% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 216850   | 53.478   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 106.960% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.412  | 43    | 40078    | 31.943   | ug/l   | 90       |
| 18) Methyl Acetate          | 5.024  | 43    | 25480    | 7.256    | ug/l   | 98       |
| 20) Methylene Chloride      | 5.259  | 84    | 9123     | 2.755    | ug/l # | 86       |
| 37) Ethyl Acetate           | 7.559  | 43    | 17667    | 4.279    | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.689  | 43    | 20445    | 2.470    | ug/l   | 92       |
| -----                       |        |       |          |          |        |          |

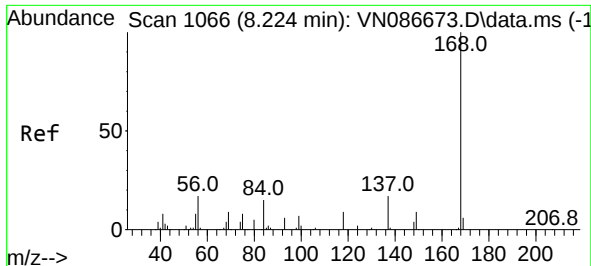
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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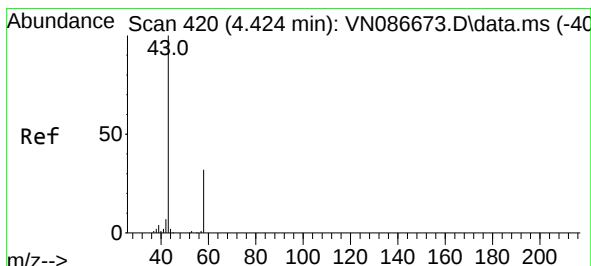
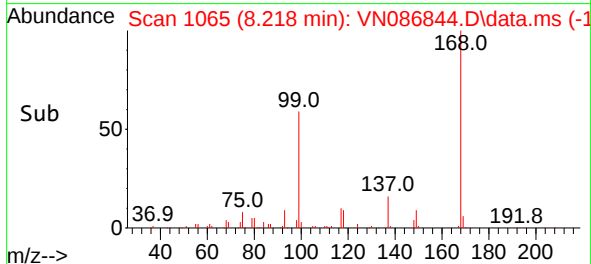
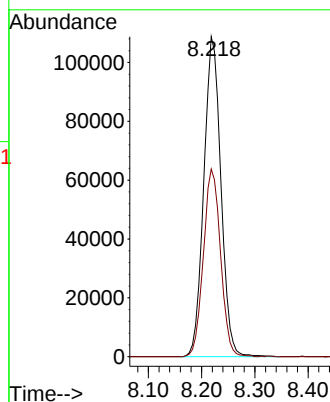
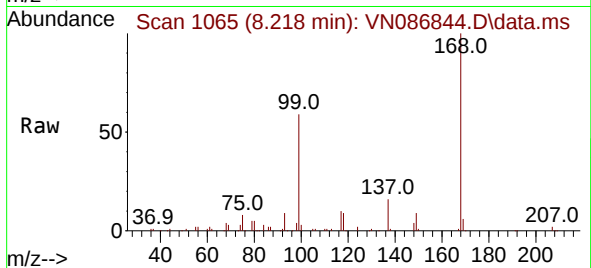




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

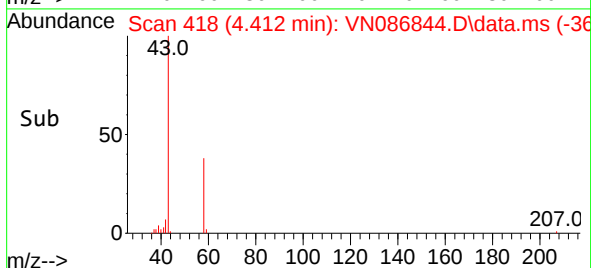
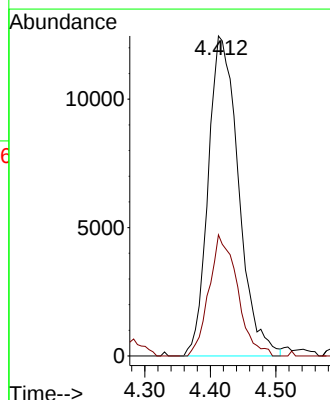
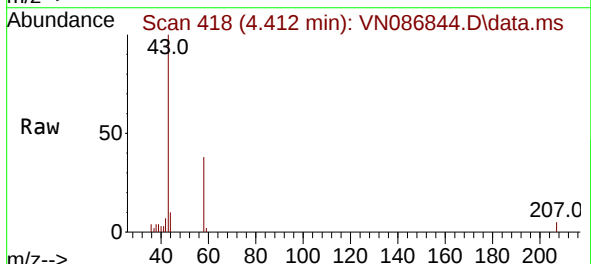
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168225ZHE#05

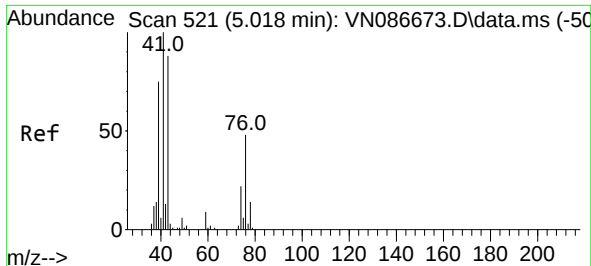
Tgt Ion:168 Resp: 242731  
Ion Ratio Lower Upper  
168 100  
99 58.6 47.0 70.4



#16  
Acetone  
Concen: 31.943 ug/l  
RT: 4.412 min Scan# 418  
Delta R.T. -0.012 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

Tgt Ion: 43 Resp: 40078  
Ion Ratio Lower Upper  
43 100  
58 37.9 25.8 38.6

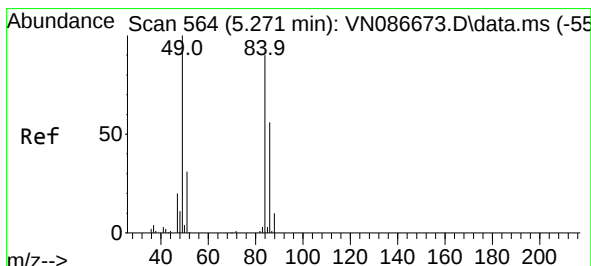
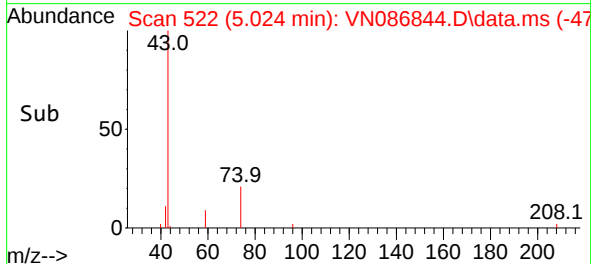
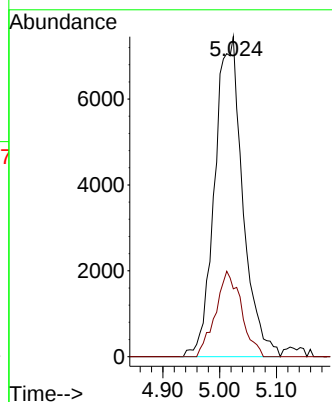
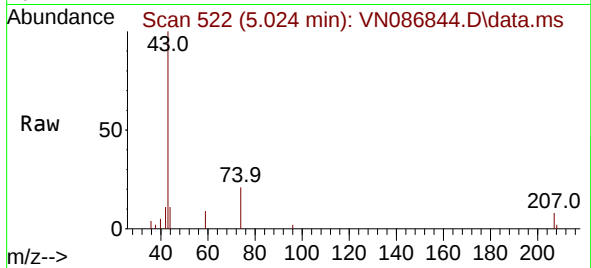




#18  
Methyl Acetate  
Concen: 7.256 ug/l  
RT: 5.024 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

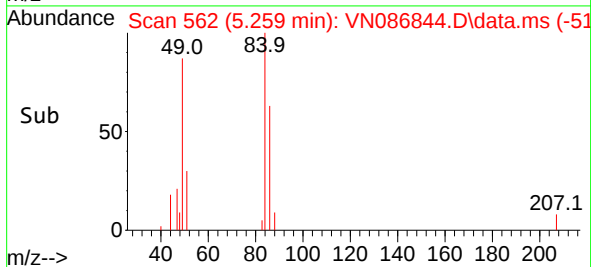
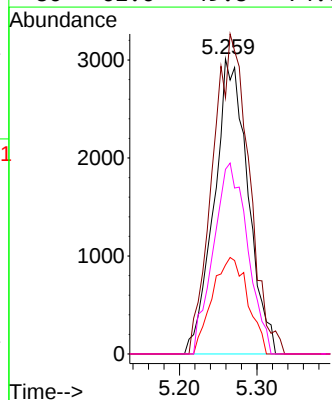
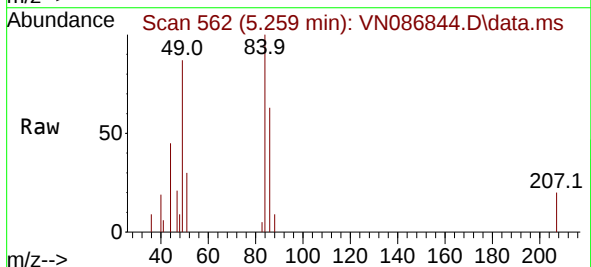
Instrument :  
MSVOA\_N  
ClientSampleId :  
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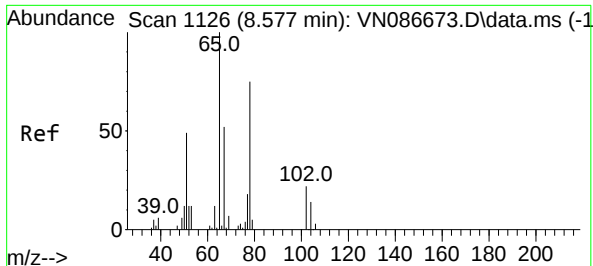
Tgt Ion: 43 Resp: 25480  
Ion Ratio Lower Upper  
43 100  
74 24.7 20.5 30.7



#20  
Methylene Chloride  
Concen: 2.755 ug/l  
RT: 5.259 min Scan# 562  
Delta R.T. -0.012 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

Tgt Ion: 84 Resp: 9123  
Ion Ratio Lower Upper  
84 100  
49 86.9 88.8 133.2#  
51 30.1 27.8 41.6  
86 62.6 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 49.106 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086844.D

Acq: 03 Jun 2025 15:45

Instrument :

MSVOA\_N

ClientSampleId :

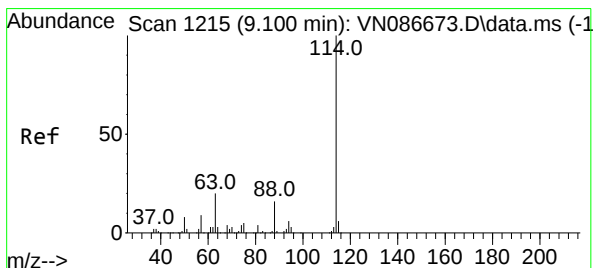
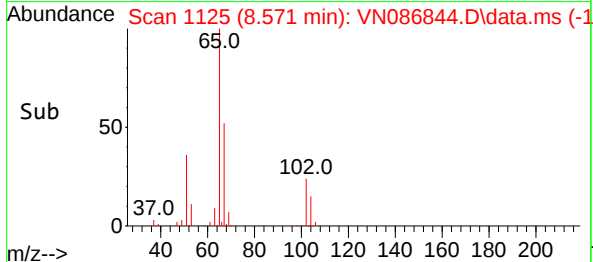
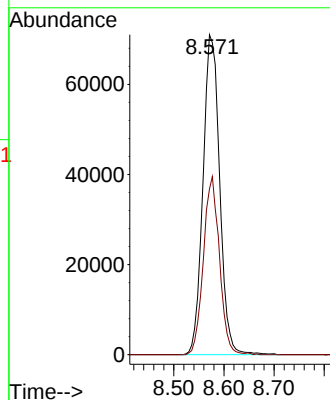
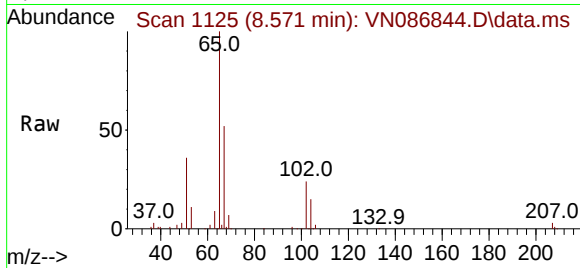
PB168225ZHE#05

Tgt Ion: 65 Resp: 164708

Ion Ratio Lower Upper

65 100

67 53.4 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: VN086844.D

Acq: 03 Jun 2025 15:45

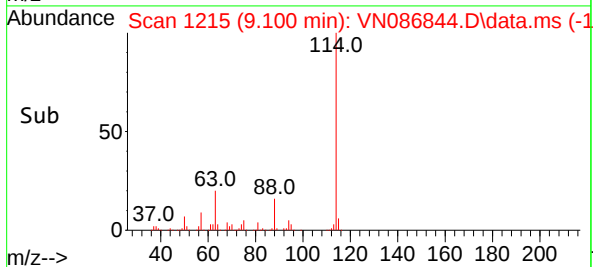
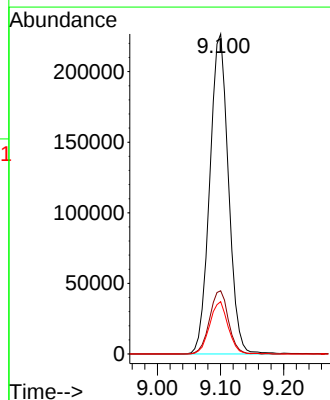
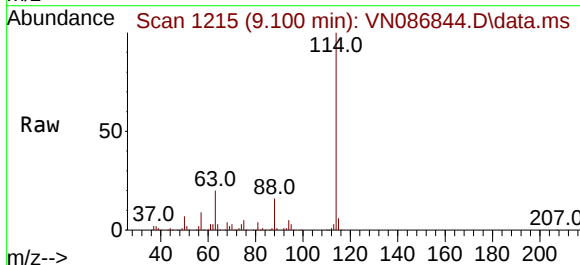
Tgt Ion: 114 Resp: 465324

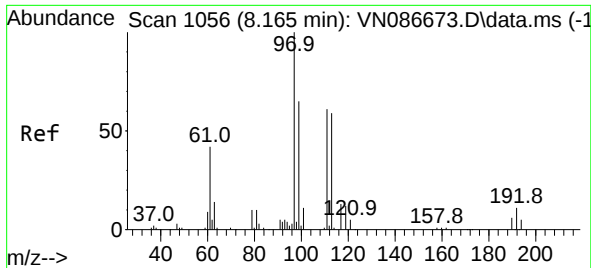
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 16.4 0.0 31.2

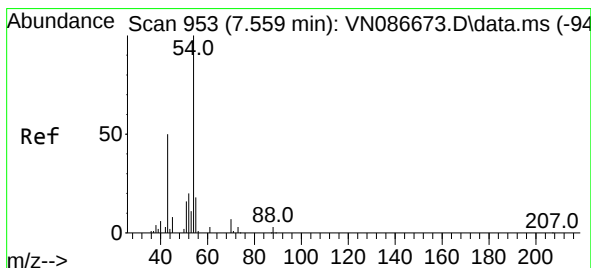
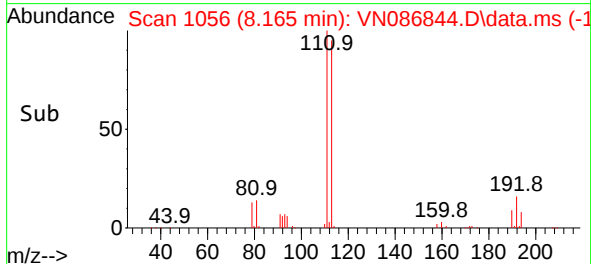
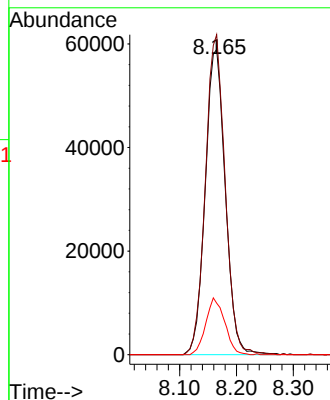
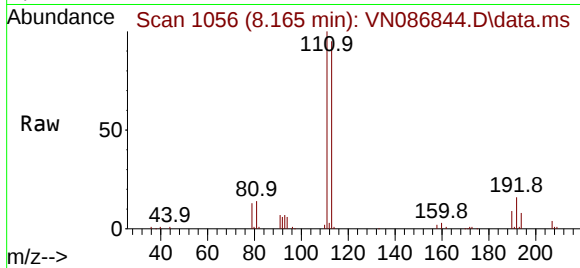




#35  
Dibromofluoromethane  
Concen: 52.154 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

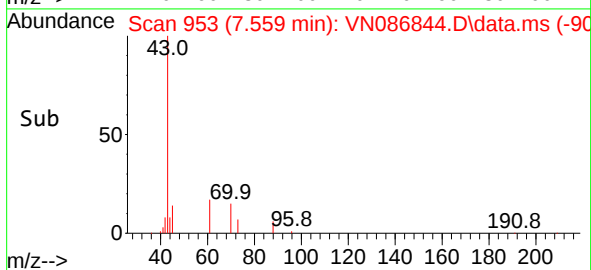
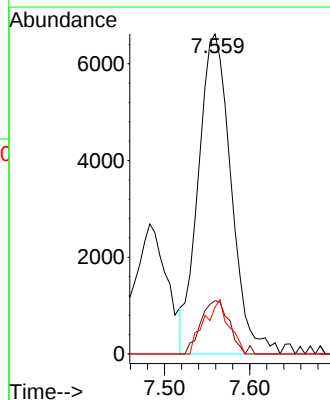
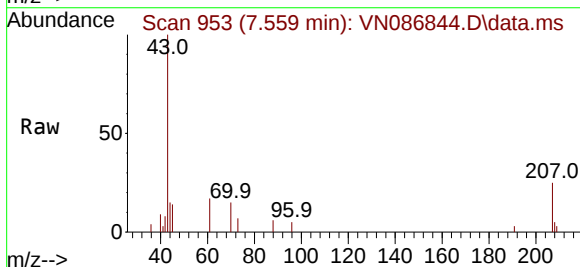
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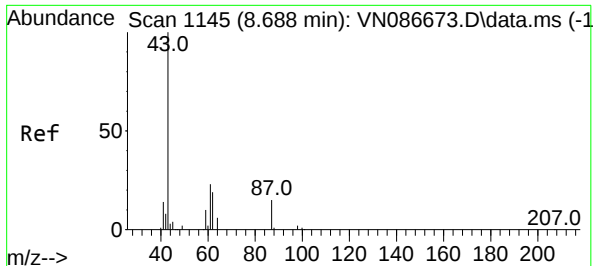
Tgt Ion:113 Resp: 144528  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.2  
192 17.5 13.8 20.8



#37  
Ethyl Acetate  
Concen: 4.279 ug/l  
RT: 7.559 min Scan# 953  
Delta R.T. 0.000 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

Tgt Ion: 43 Resp: 17667  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.6 17.4  
70 12.8 9.4 14.0

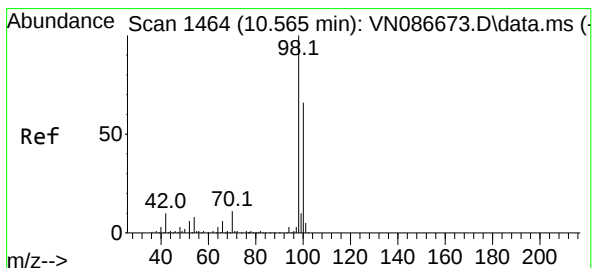
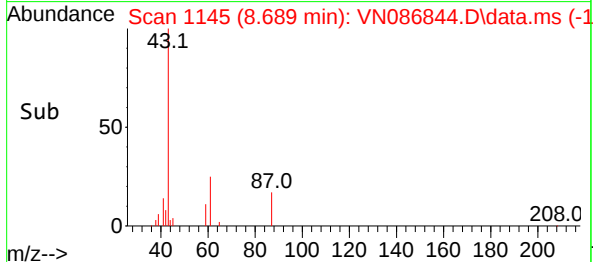
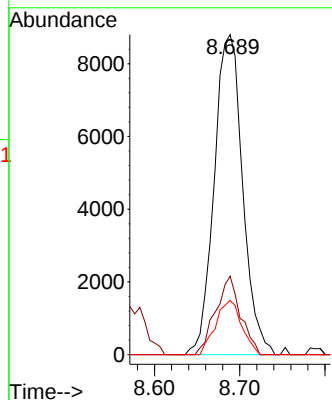
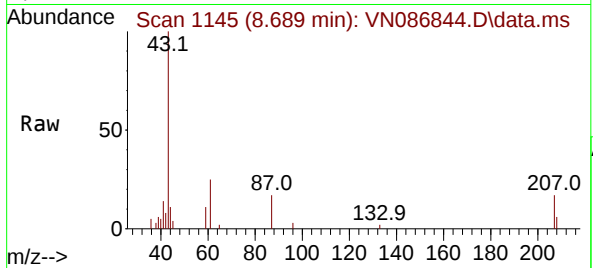




#43  
Isopropyl Acetate  
Concen: 2.470 ug/l  
RT: 8.689 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

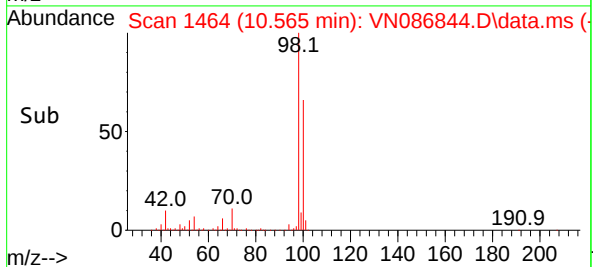
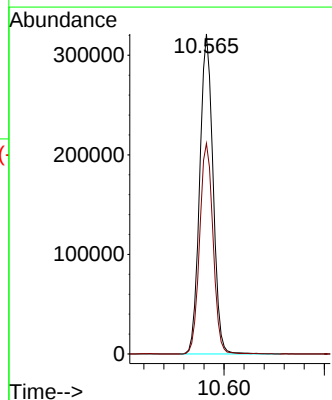
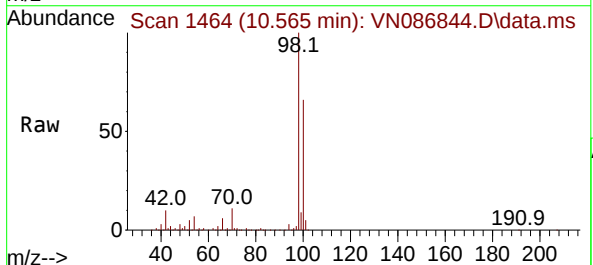
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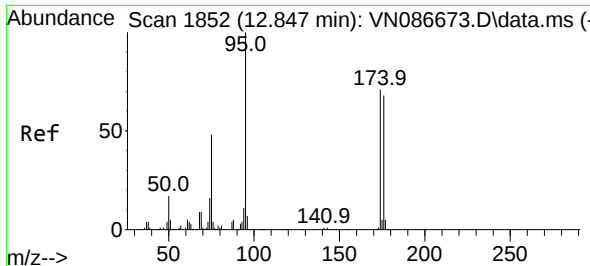
Tgt Ion: 43 Resp: 20445  
Ion Ratio Lower Upper  
43 100  
61 21.5 21.4 32.2  
87 15.5 11.1 16.7



#50  
Toluene-d8  
Concen: 51.442 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

Tgt Ion: 98 Resp: 590758  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.9 79.3

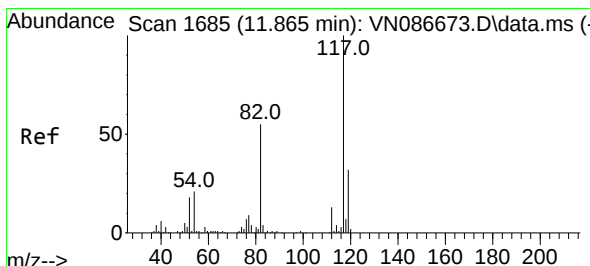
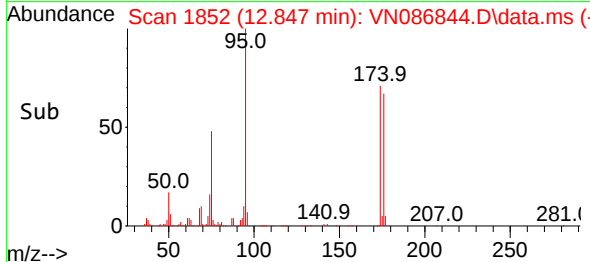
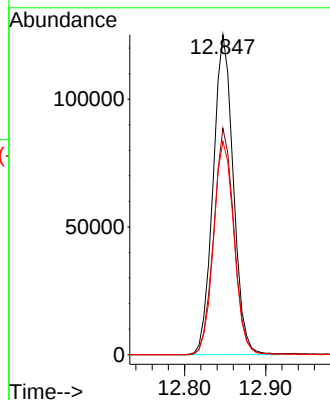
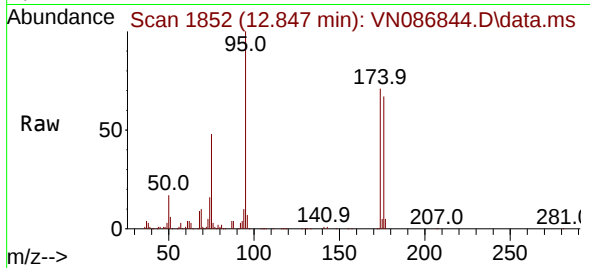




#62  
4-Bromofluorobenzene  
Concen: 53.478 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

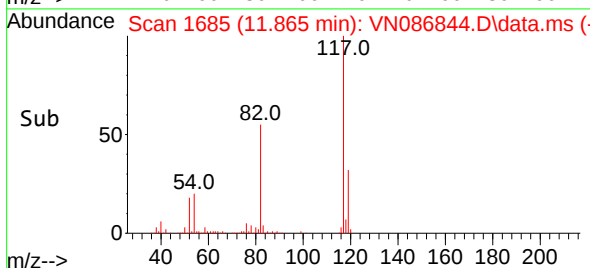
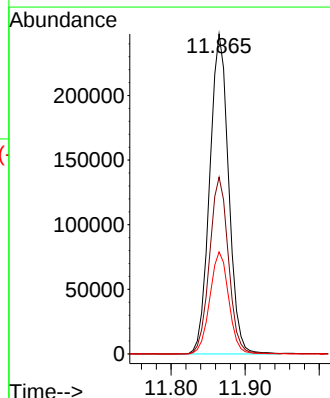
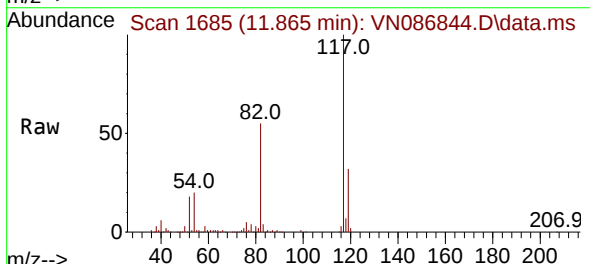
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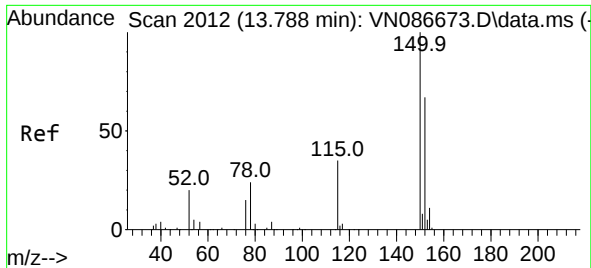
Tgt Ion: 95 Resp: 216850  
Ion Ratio Lower Upper  
95 100  
174 70.4 0.0 145.4  
176 67.7 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN086844.D  
Acq: 03 Jun 2025 15:45

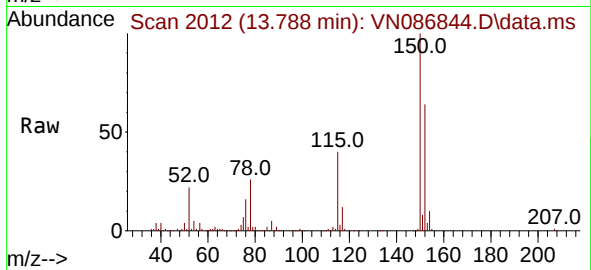
Tgt Ion: 117 Resp: 438882  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.2 66.2  
119 31.9 25.4 38.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN086844.D  
 Acq: 03 Jun 2025 15:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB168225ZHE#05



Tgt Ion:152 Resp: 195413  
 Ion Ratio Lower Upper  
 152 100  
 115 61.7 30.0 90.1  
 150 159.1 0.0 347.8

