

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050225\  
 Data File : VN086457.D  
 Acq On : 02 May 2025 12:38  
 Operator : JC\MD  
 Sample : PB167816ZHE#02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167816ZHE#02

Quant Time: May 02 23:15:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

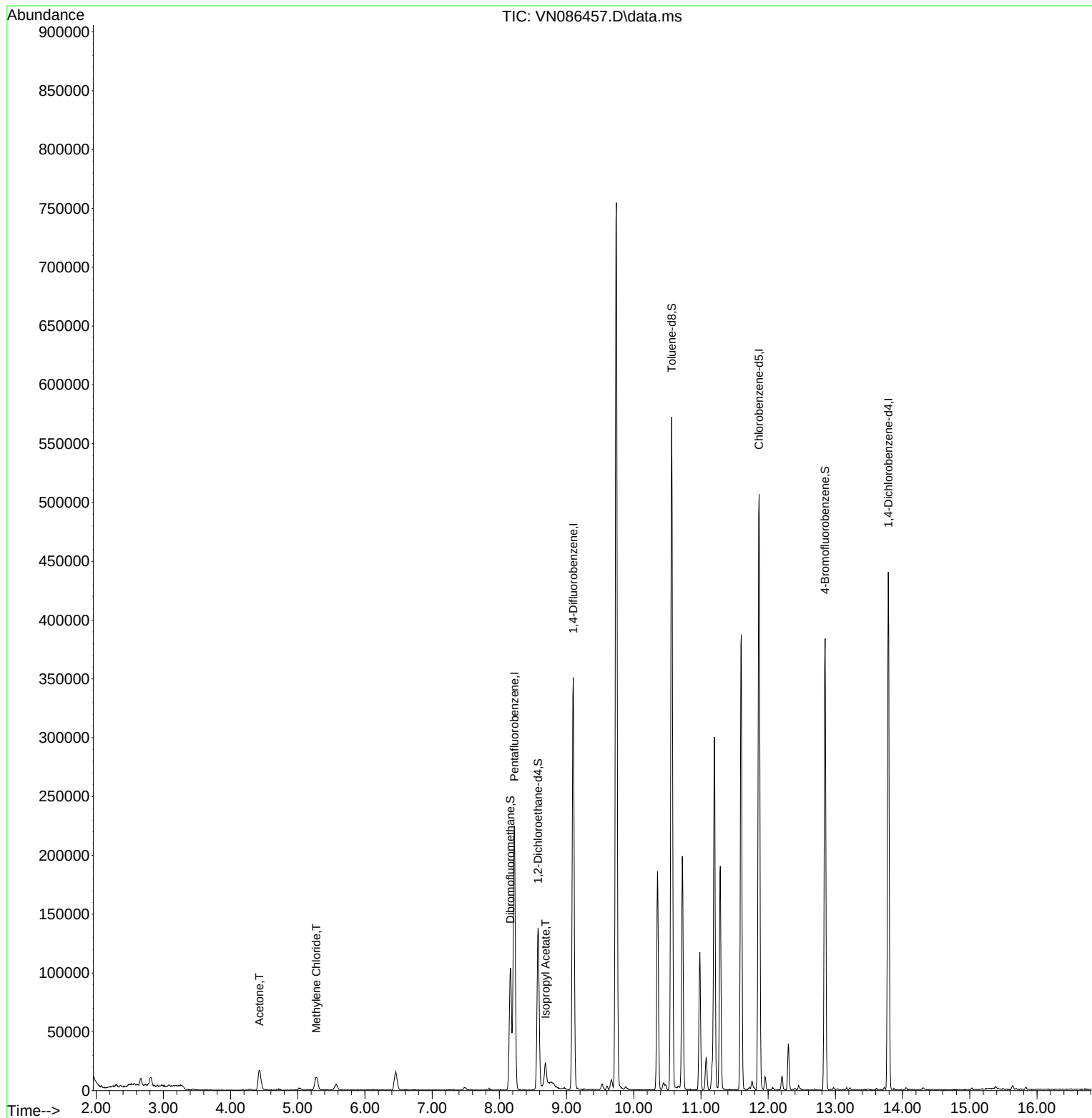
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 165283   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 311275   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 297939   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 118266   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.576  | 65    | 115096   | 48.022   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 96.040%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 77699    | 53.783   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 107.560% |
| 50) Toluene-d8              | 10.565 | 98    | 400202   | 51.833   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 103.660% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 137509   | 48.828   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 97.660%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.430  | 43    | 34128    | 36.307   | ug/l   | 97       |
| 20) Methylene Chloride      | 5.277  | 84    | 9990     | 4.509    | ug/l # | 86       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 30946    | 3.882    | ug/l # | 82       |
| -----                       |        |       |          |          |        |          |

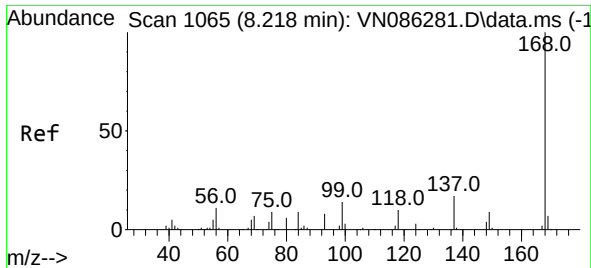
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
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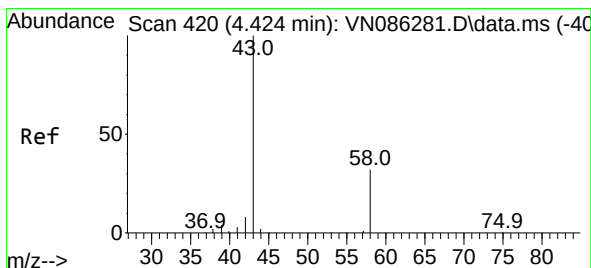
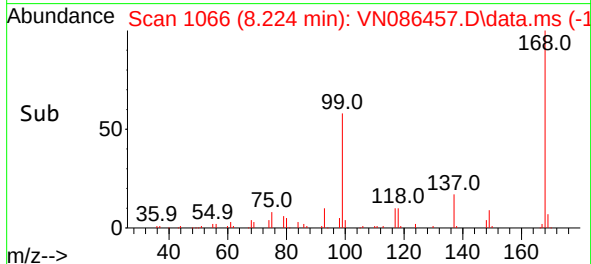
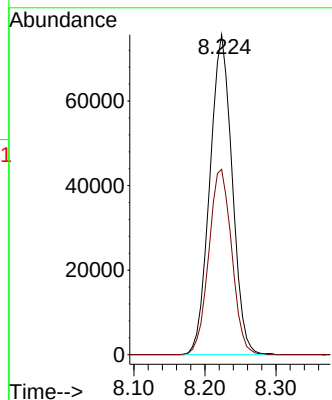
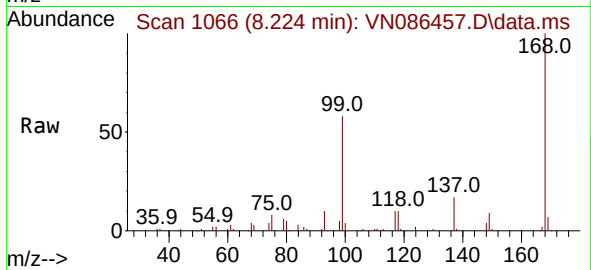




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

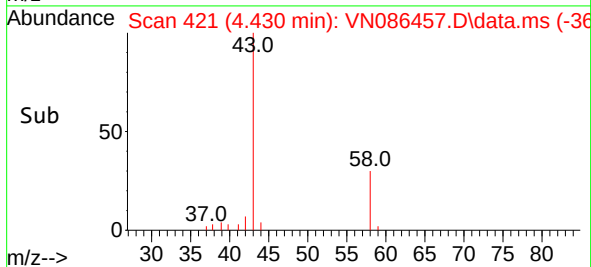
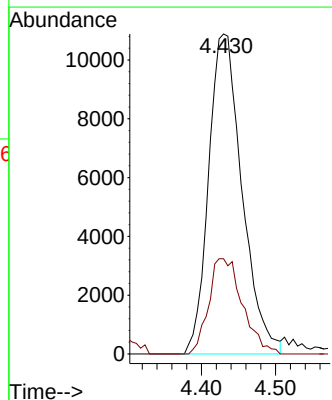
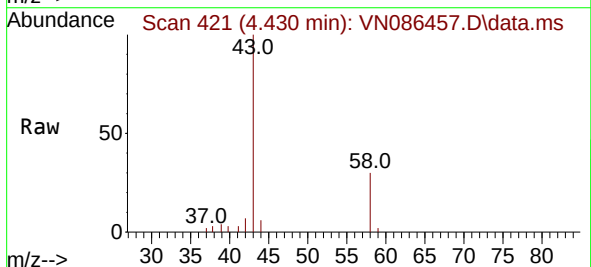
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167816ZHE#02

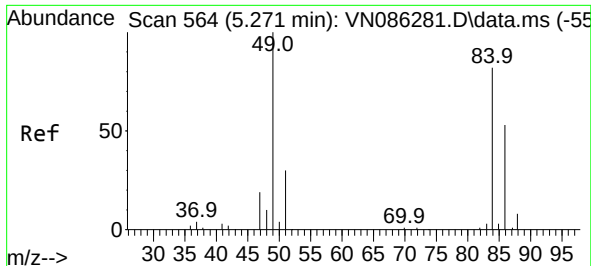
Tgt Ion:168 Resp: 165283  
Ion Ratio Lower Upper  
168 100  
99 57.9 52.5 78.7



#16  
Acetone  
Concen: 36.307 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

Tgt Ion: 43 Resp: 34128  
Ion Ratio Lower Upper  
43 100  
58 29.8 25.3 37.9

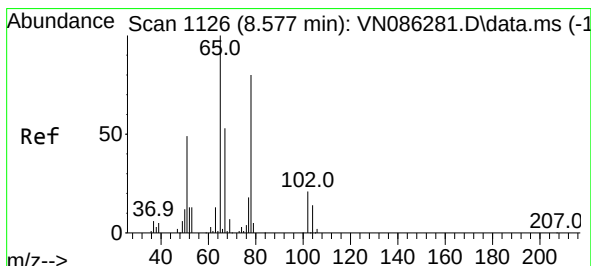
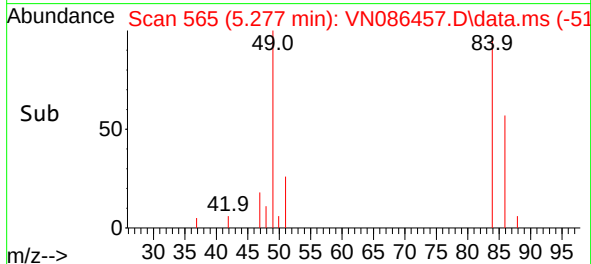
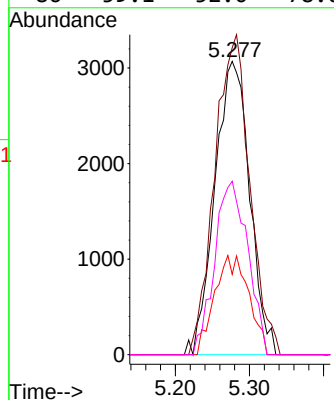
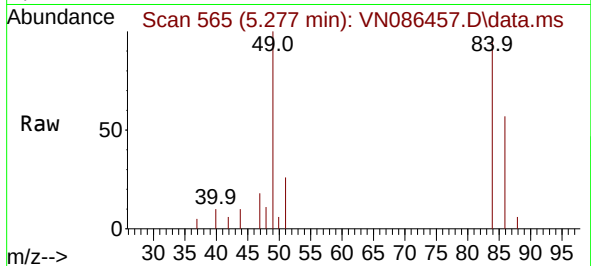




#20  
Methylene Chloride  
Concen: 4.509 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

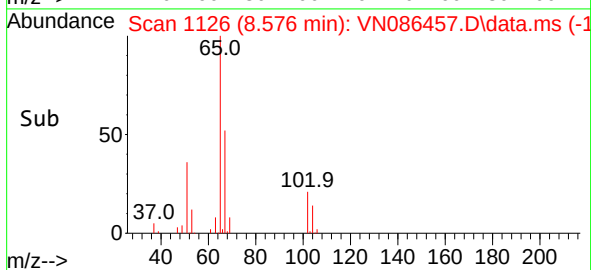
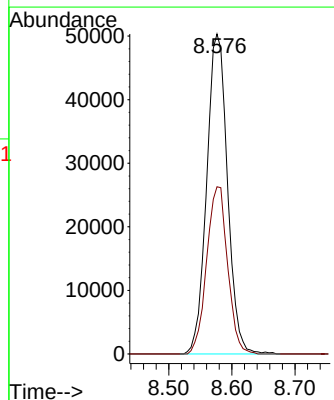
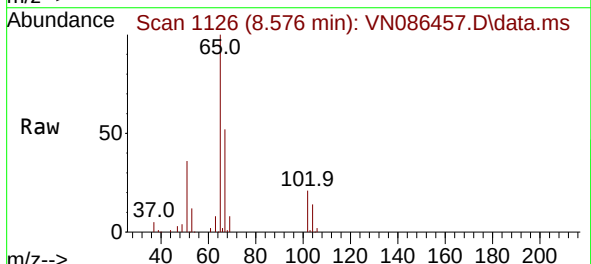
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167816ZHE#02

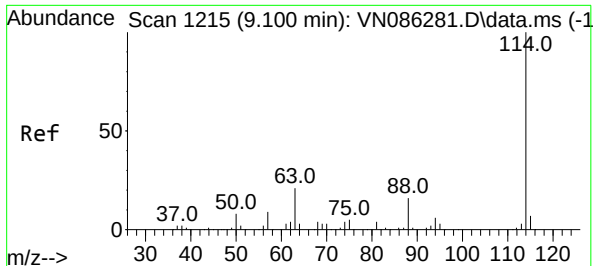
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9990  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.6 | 98.2  | 147.2 |
| 51       | 27.4  | 29.8  | 44.6# |
| 86       | 59.1  | 52.0  | 78.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 48.022 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 115096 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.6  | 0.0   | 106.0  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086457.D

Acq: 02 May 2025 12:38

Instrument :

MSVOA\_N

ClientSampleId :

PB167816ZHE#02

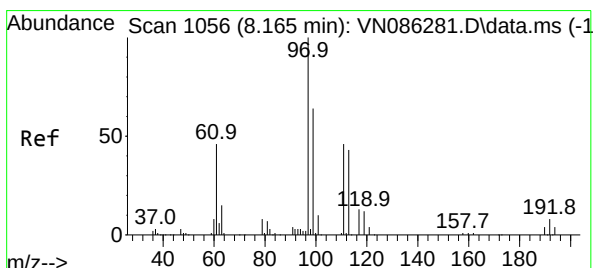
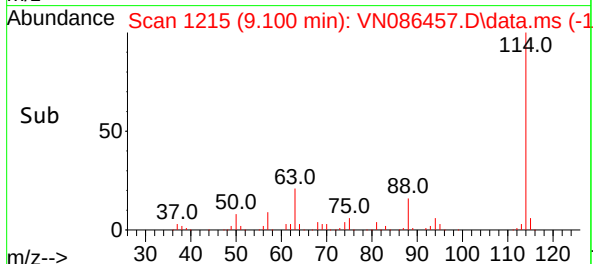
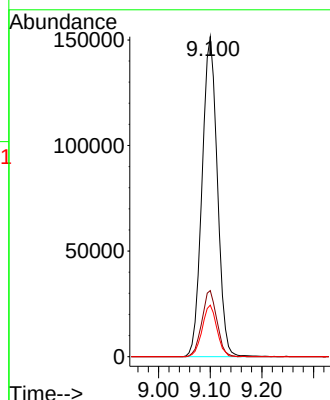
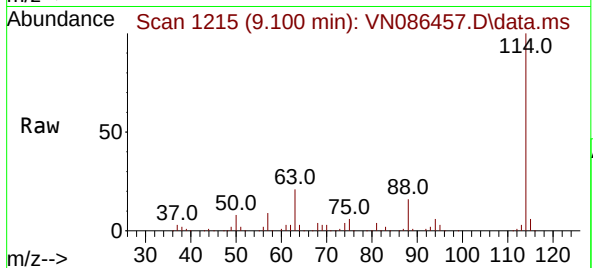
Tgt Ion:114 Resp: 311275

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.783 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086457.D

Acq: 02 May 2025 12:38

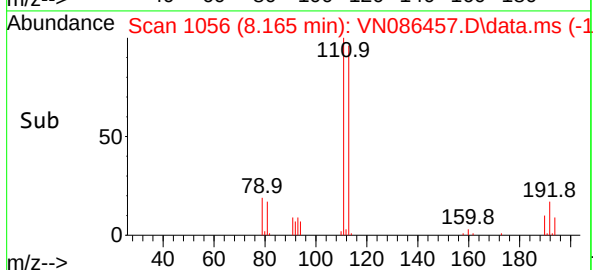
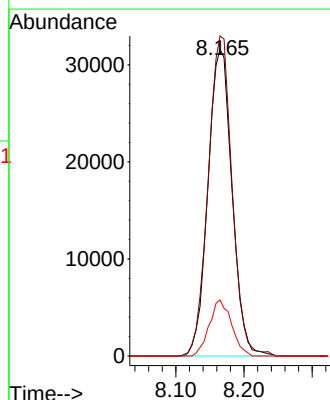
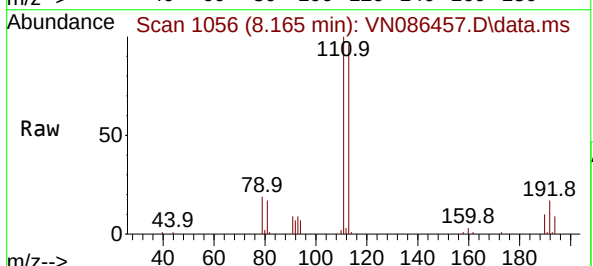
Tgt Ion:113 Resp: 77699

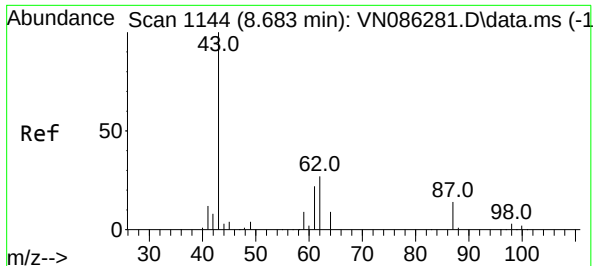
Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

192 16.9 13.7 20.5

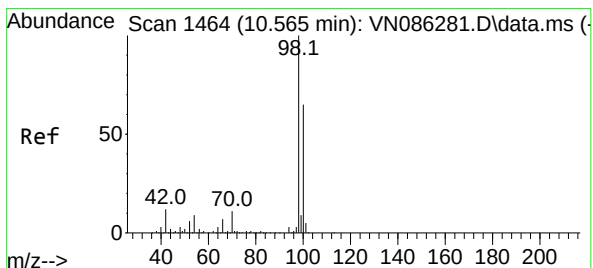
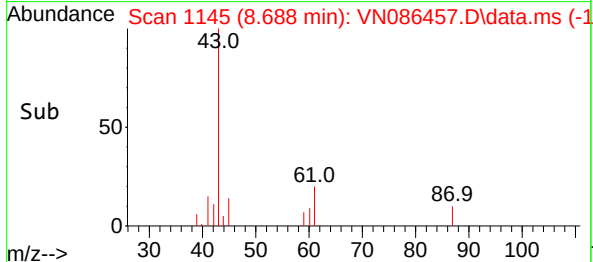
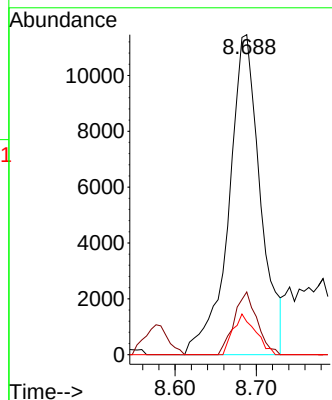
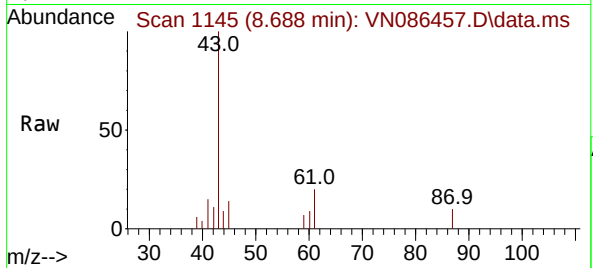




#43  
Isopropyl Acetate  
Concen: 3.882 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.005 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

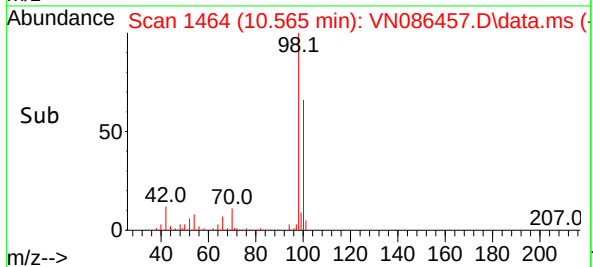
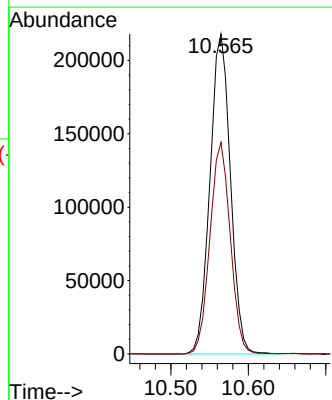
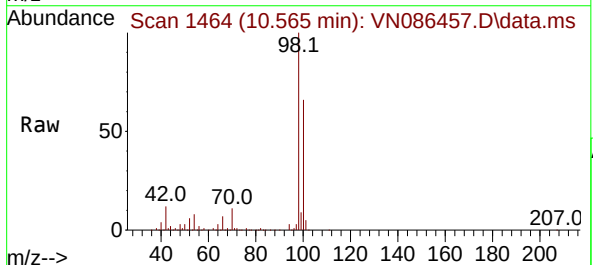
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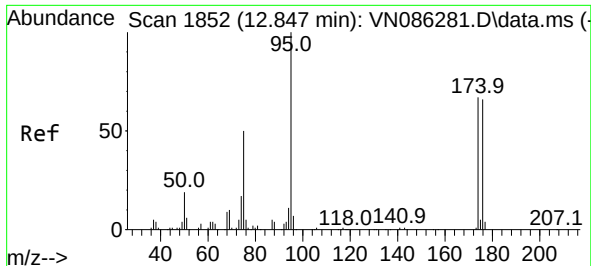
Tgt Ion: 43 Resp: 30946  
Ion Ratio Lower Upper  
43 100  
61 14.3 20.5 30.7#  
87 9.1 10.5 15.7#



#50  
Toluene-d8  
Concen: 51.833 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

Tgt Ion: 98 Resp: 400202  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.5 78.7

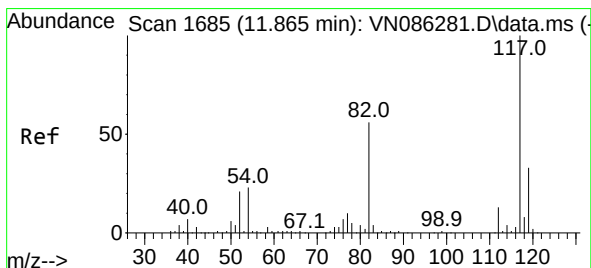
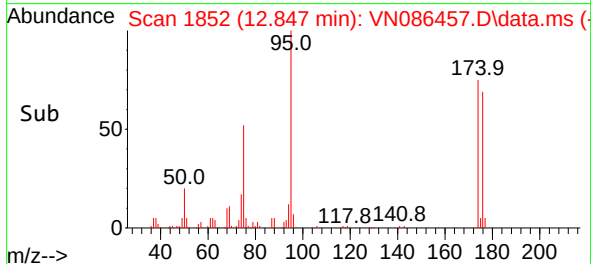
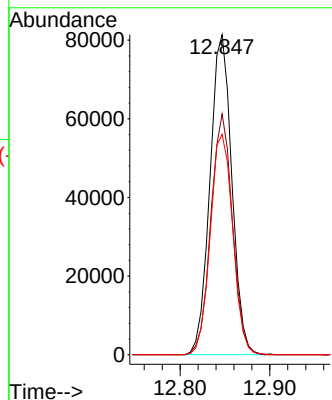
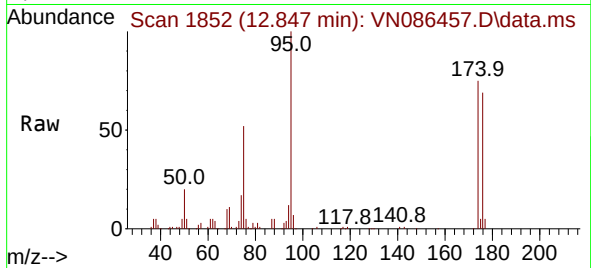




#62  
4-Bromofluorobenzene  
Concen: 48.828 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

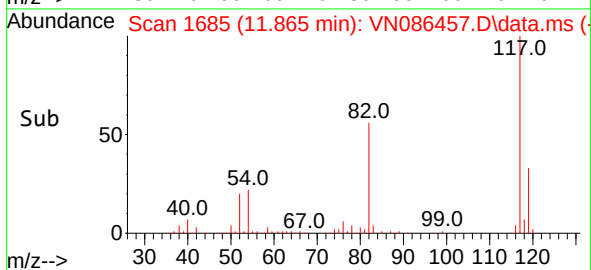
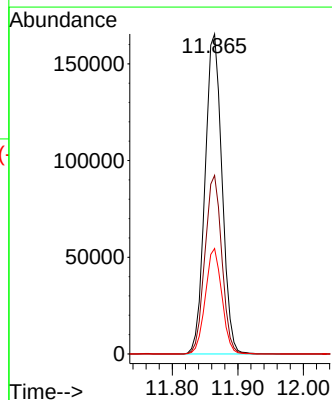
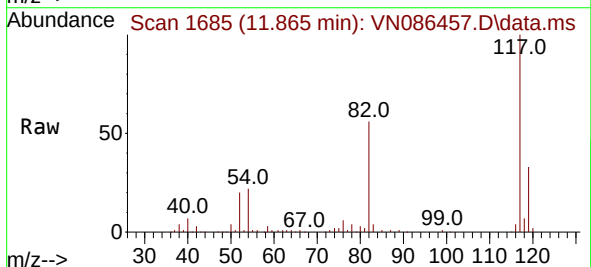
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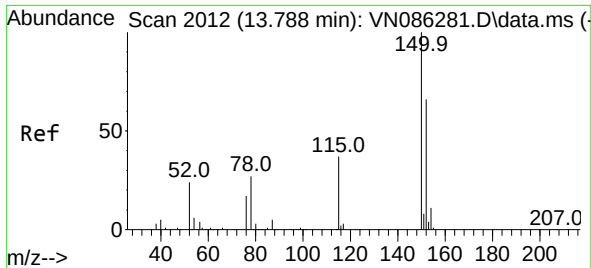
Tgt Ion: 95 Resp: 137509  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 133.4  
176 70.7 0.0 129.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086457.D  
Acq: 02 May 2025 12:38

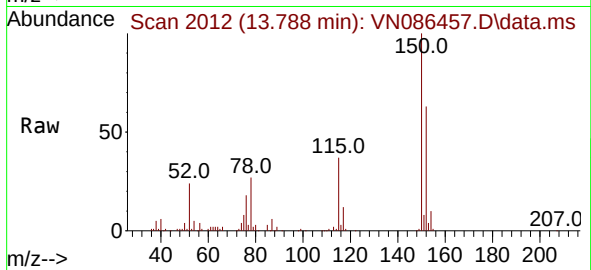
Tgt Ion: 117 Resp: 297939  
Ion Ratio Lower Upper  
117 100  
82 55.8 44.7 67.1  
119 32.9 26.4 39.6





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VN086457.D  
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Tgt Ion:152 Resp: 118266  
Ion Ratio Lower Upper  
152 100  
115 60.5 31.9 95.9  
150 159.4 0.0 352.0

