

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061225\  
 Data File : VN086974.D  
 Acq On : 12 Jun 2025 14:00  
 Operator : JC\MD  
 Sample : Q2274-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-13-MHP-WC

Quant Time: Jun 13 01:27:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

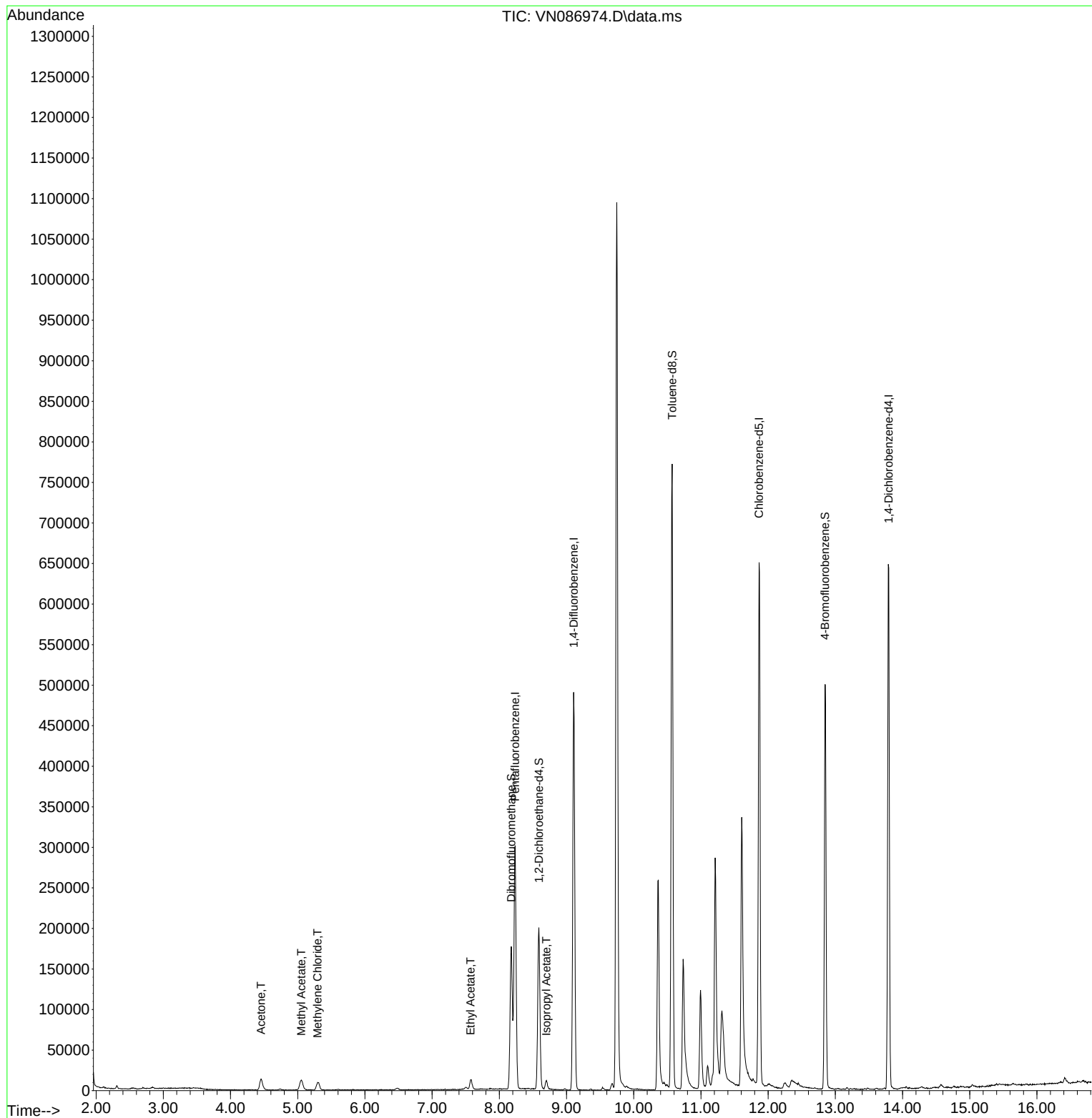
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.236     | 168   | 235101   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 450003   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 408636   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 193941   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588     | 65    | 163940   | 52.082   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 104.160% |
| 35) Dibromofluoromethane    | 8.177     | 113   | 135918   | 50.966   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 101.940% |
| 50) Toluene-d8              | 10.571    | 98    | 557074   | 52.767   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 105.540% |
| 62) 4-Bromofluorobenzene    | 12.847    | 95    | 195584   | 49.864   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 77 - 121 | Recovery | =      | 99.720%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.453     | 43    | 27428    | 16.431   | ug/l   | 96       |
| 18) Methyl Acetate          | 5.053     | 43    | 28230    | 5.803    | ug/l   | 97       |
| 20) Methylene Chloride      | 5.295     | 84    | 8764     | 2.804    | ug/l   | 96       |
| 37) Ethyl Acetate           | 7.571     | 43    | 18841    | 3.724    | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.700     | 43    | 12356    | 1.522    | ug/l   | 92       |
| -----                       |           |       |          |          |        |          |

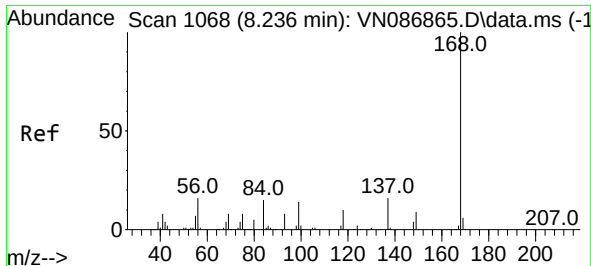
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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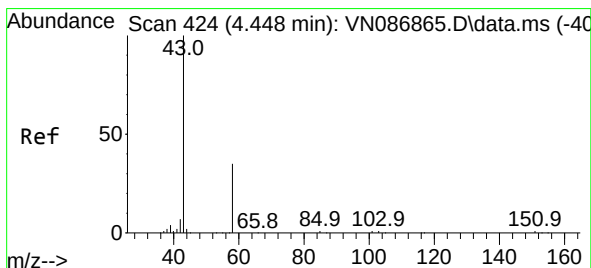
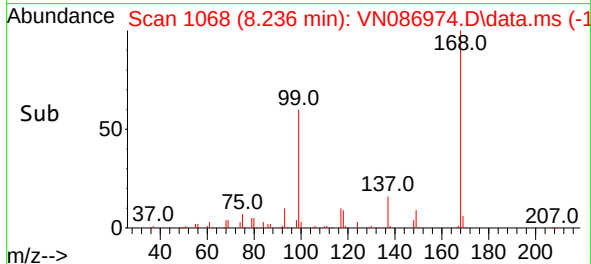
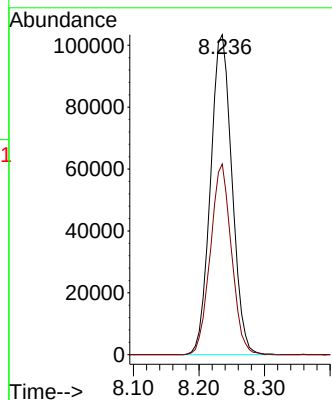
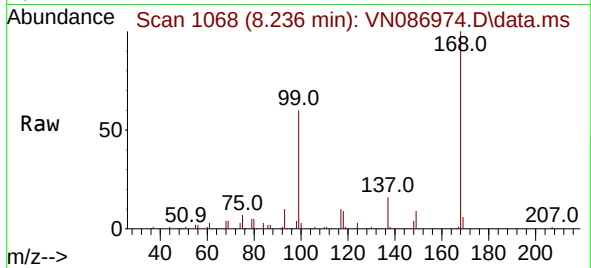




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

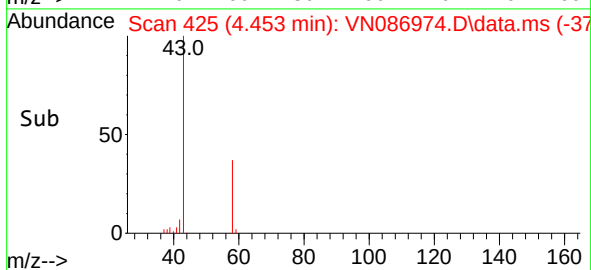
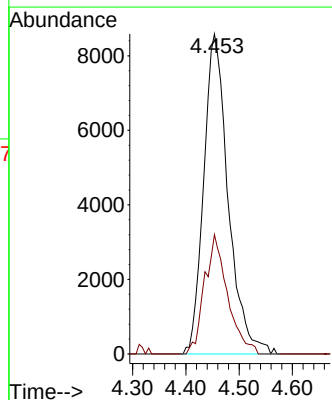
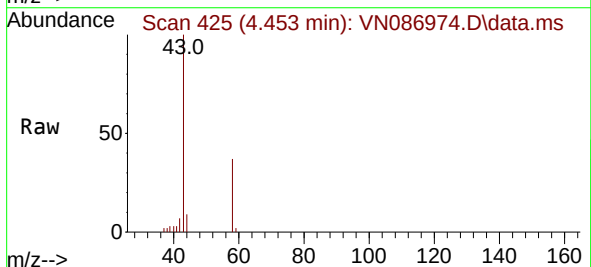
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-13-MHP-WC

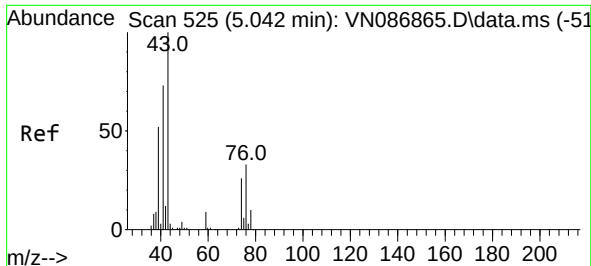
Tgt Ion:168 Resp: 235101  
Ion Ratio Lower Upper  
168 100  
99 59.6 49.1 73.7



#16  
Acetone  
Concen: 16.431 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.006 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

Tgt Ion: 43 Resp: 27428  
Ion Ratio Lower Upper  
43 100  
58 37.3 28.0 42.0

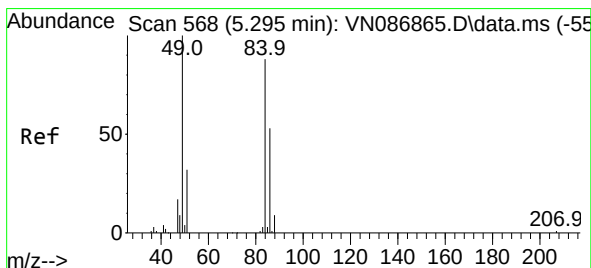
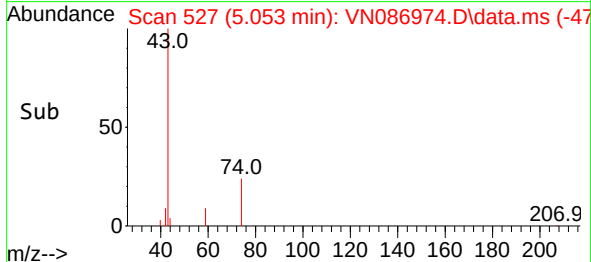
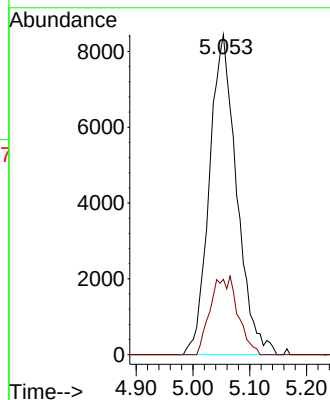
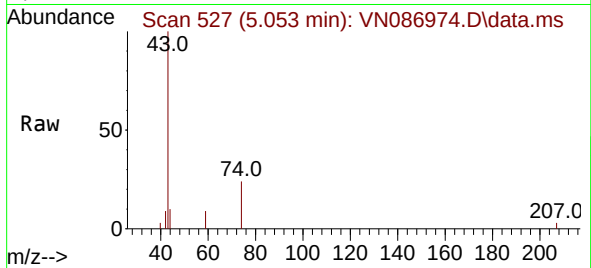




#18  
Methyl Acetate  
Concen: 5.803 ug/l  
RT: 5.053 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

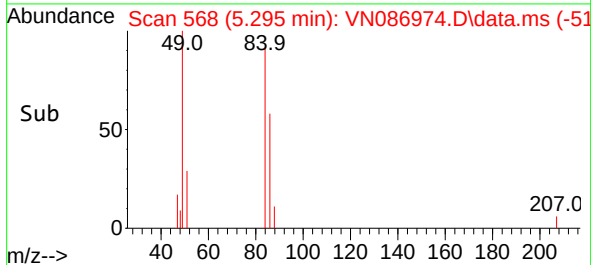
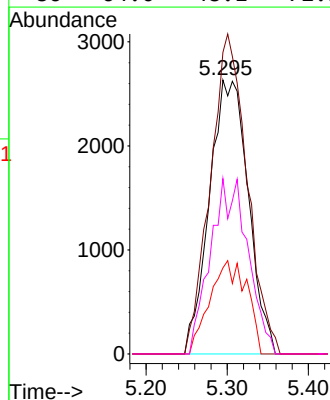
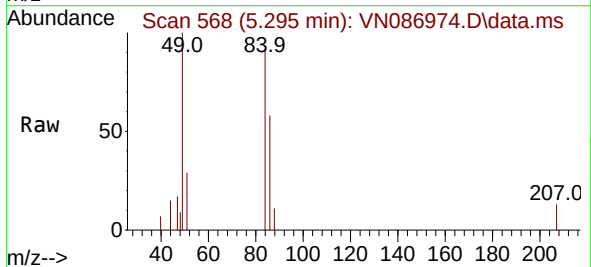
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-13-MHP-WC

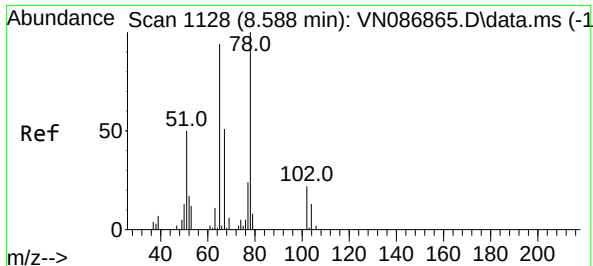
Tgt Ion: 43 Resp: 28230  
Ion Ratio Lower Upper  
43 100  
74 24.5 20.7 31.1



#20  
Methylene Chloride  
Concen: 2.804 ug/l  
RT: 5.295 min Scan# 568  
Delta R.T. -0.000 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

Tgt Ion: 84 Resp: 8764  
Ion Ratio Lower Upper  
84 100  
49 110.1 90.5 135.7  
51 31.4 28.5 42.7  
86 64.0 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 52.082 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086974.D

Acq: 12 Jun 2025 14:00

Instrument :

MSVOA\_N

ClientSampleId :

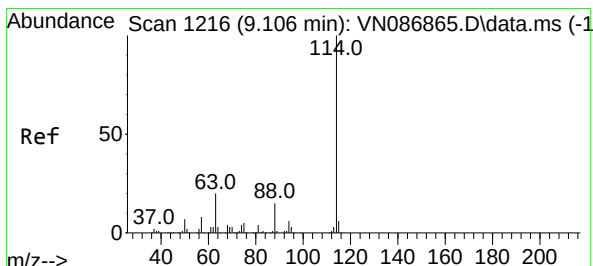
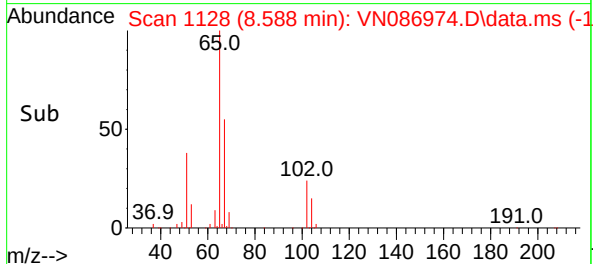
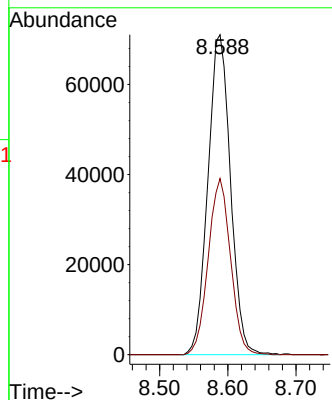
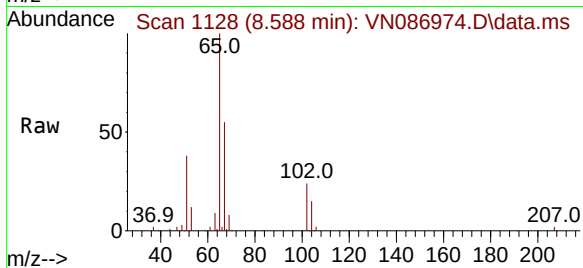
TP-13-MHP-WC

Tgt Ion: 65 Resp: 163940

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086974.D

Acq: 12 Jun 2025 14:00

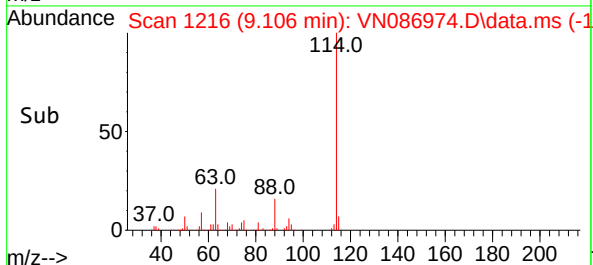
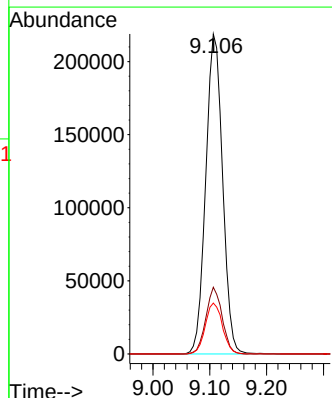
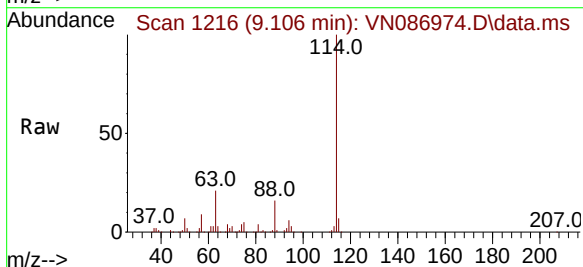
Tgt Ion: 114 Resp: 450003

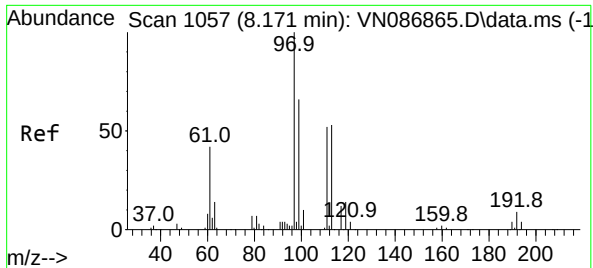
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 15.9 0.0 30.2



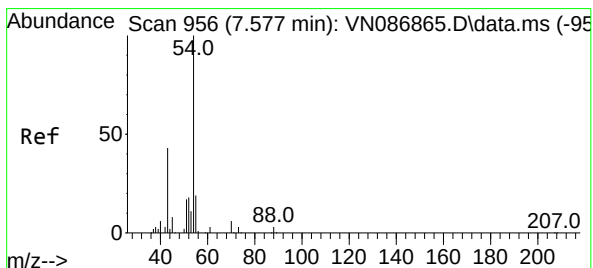
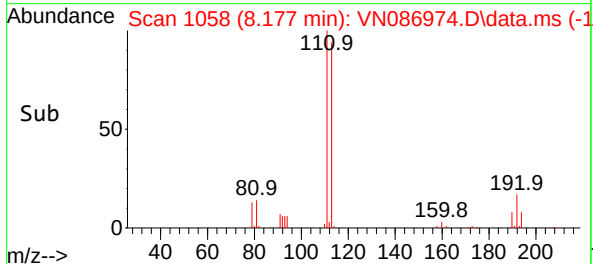
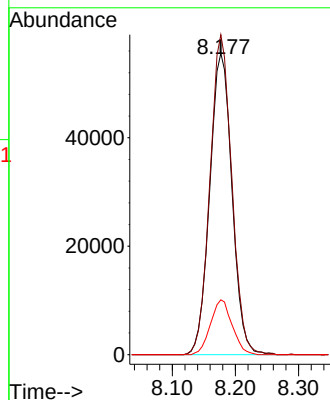
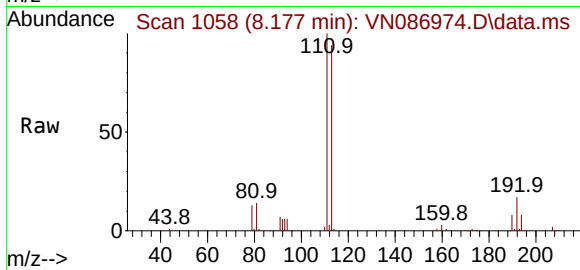


#35  
 Dibromofluoromethane  
 Concen: 50.966 ug/l  
 RT: 8.177 min Scan# 1057  
 Delta R.T. 0.006 min  
 Lab File: VN086974.D  
 Acq: 12 Jun 2025 14:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-13-MHP-WC

Tgt Ion:113 Resp: 135918  

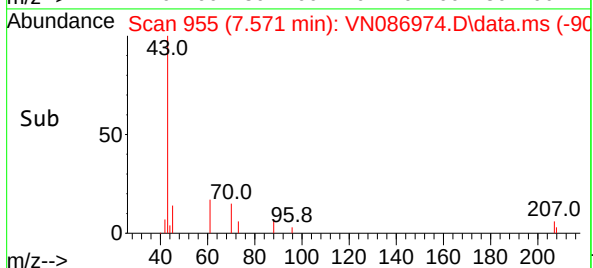
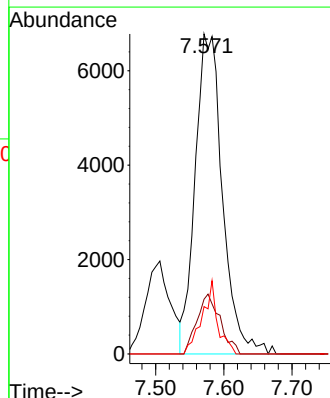
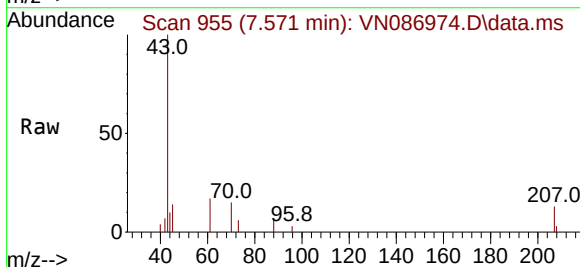
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.1 | 84.2  | 126.2 |
| 192 | 17.7  | 14.2  | 21.4  |

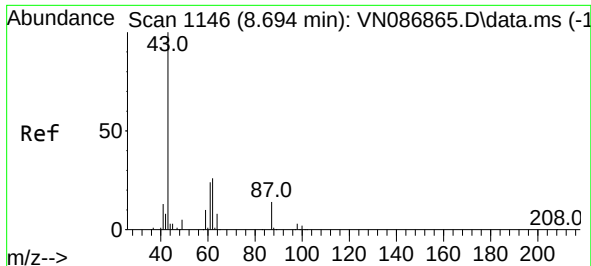


#37  
 Ethyl Acetate  
 Concen: 3.724 ug/l  
 RT: 7.571 min Scan# 955  
 Delta R.T. -0.006 min  
 Lab File: VN086974.D  
 Acq: 12 Jun 2025 14:00

Tgt Ion: 43 Resp: 18841  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 15.9  | 12.1  | 18.1  |
| 70  | 13.1  | 9.8   | 14.6  |

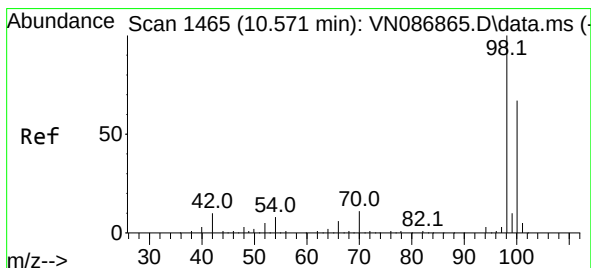
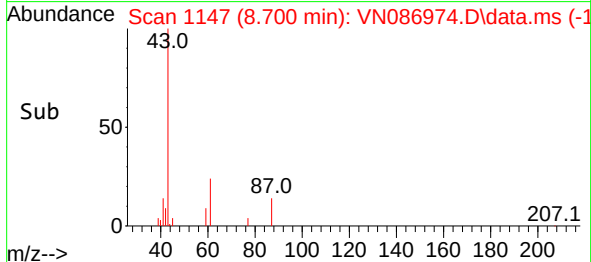
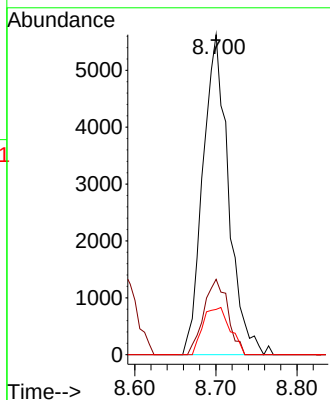
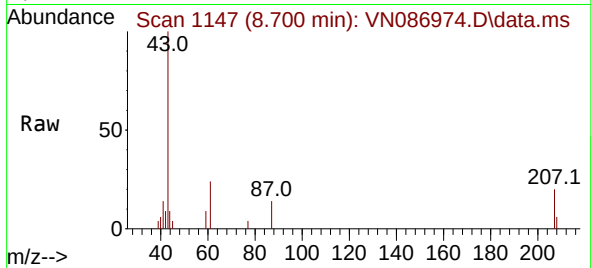




#43  
Isopropyl Acetate  
Concen: 1.522 ug/l  
RT: 8.700 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

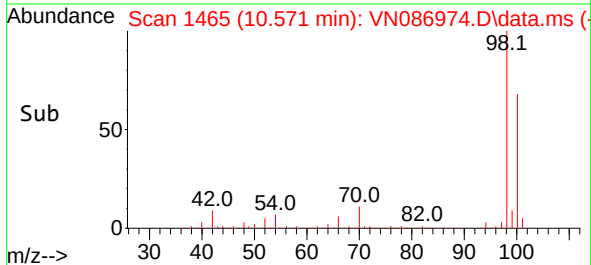
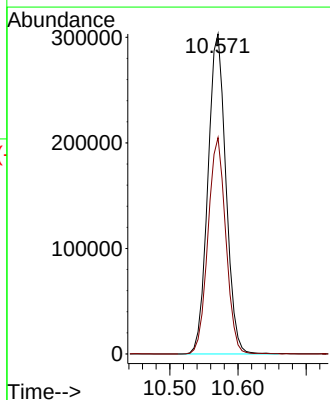
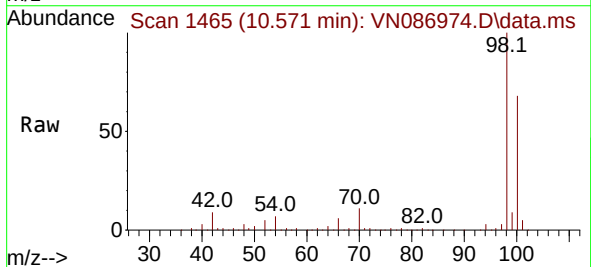
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-13-MHP-WC

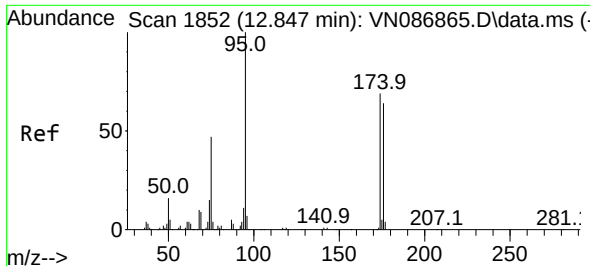
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 12356 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 22.1     | 22.1 33.1   |
| 87 15.5     | 11.8 17.6   |



#50  
Toluene-d8  
Concen: 52.767 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 557074 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 66.9    | 53.4 80.0    |

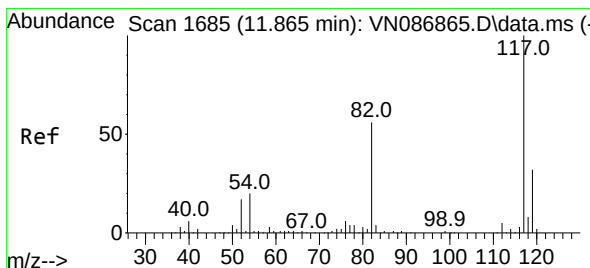
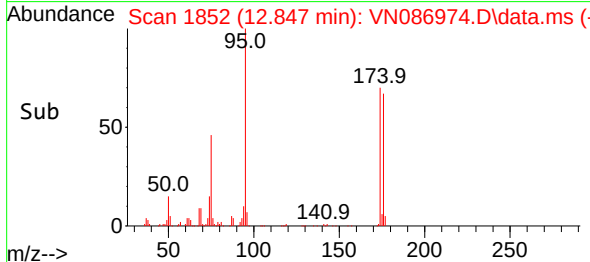
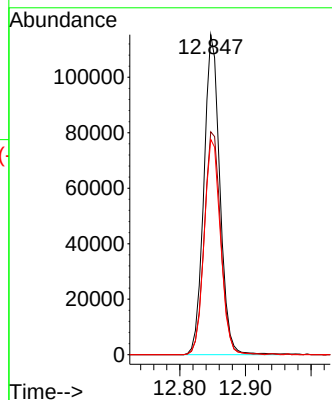
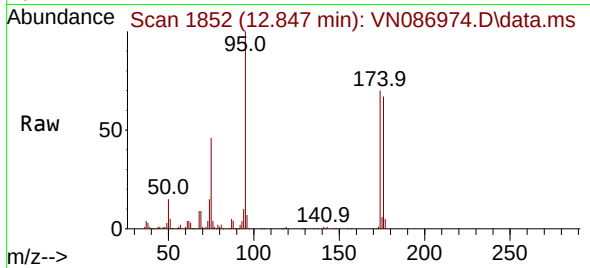




#62  
4-Bromofluorobenzene  
Concen: 49.864 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

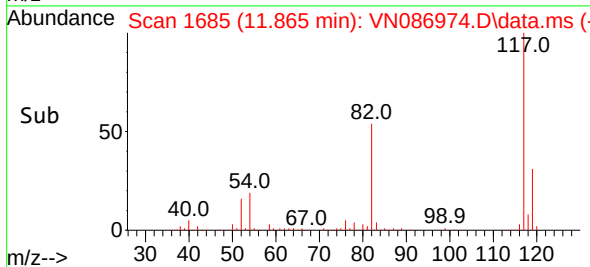
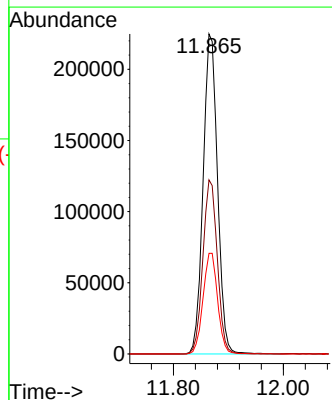
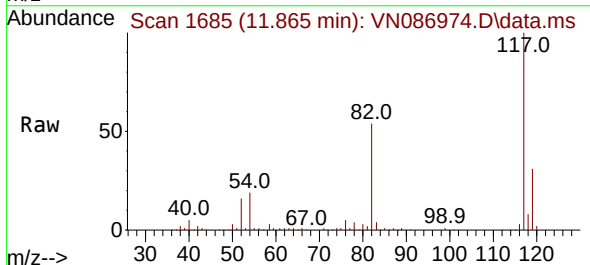
Instrument :  
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Tgt Ion: 95 Resp: 195584  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 141.8  
176 68.9 0.0 132.6

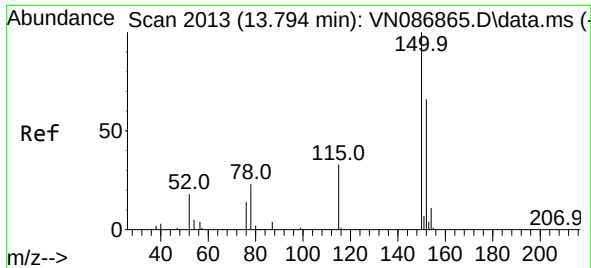


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086974.D  
Acq: 12 Jun 2025 14:00

Tgt Ion: 117 Resp: 408636  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.6 67.0  
119 31.5 25.5 38.3

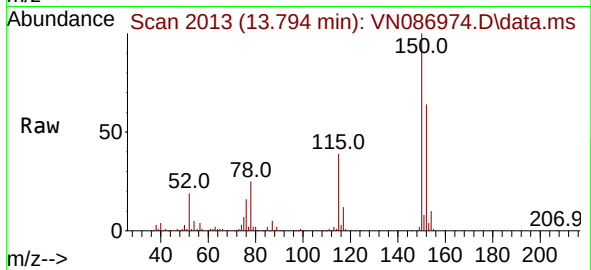






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN086974.D  
 Acq: 12 Jun 2025 14:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-13-MHP-WC



Tgt Ion:152 Resp: 193941  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 30.1 90.5  
 150 157.7 0.0 345.0

