

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092625\  
 Data File : VN087968.D  
 Acq On : 26 Sep 2025 15:49  
 Operator : JC\MD  
 Sample : Q3181-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-A3-02-G

Quant Time: Sep 27 01:27:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

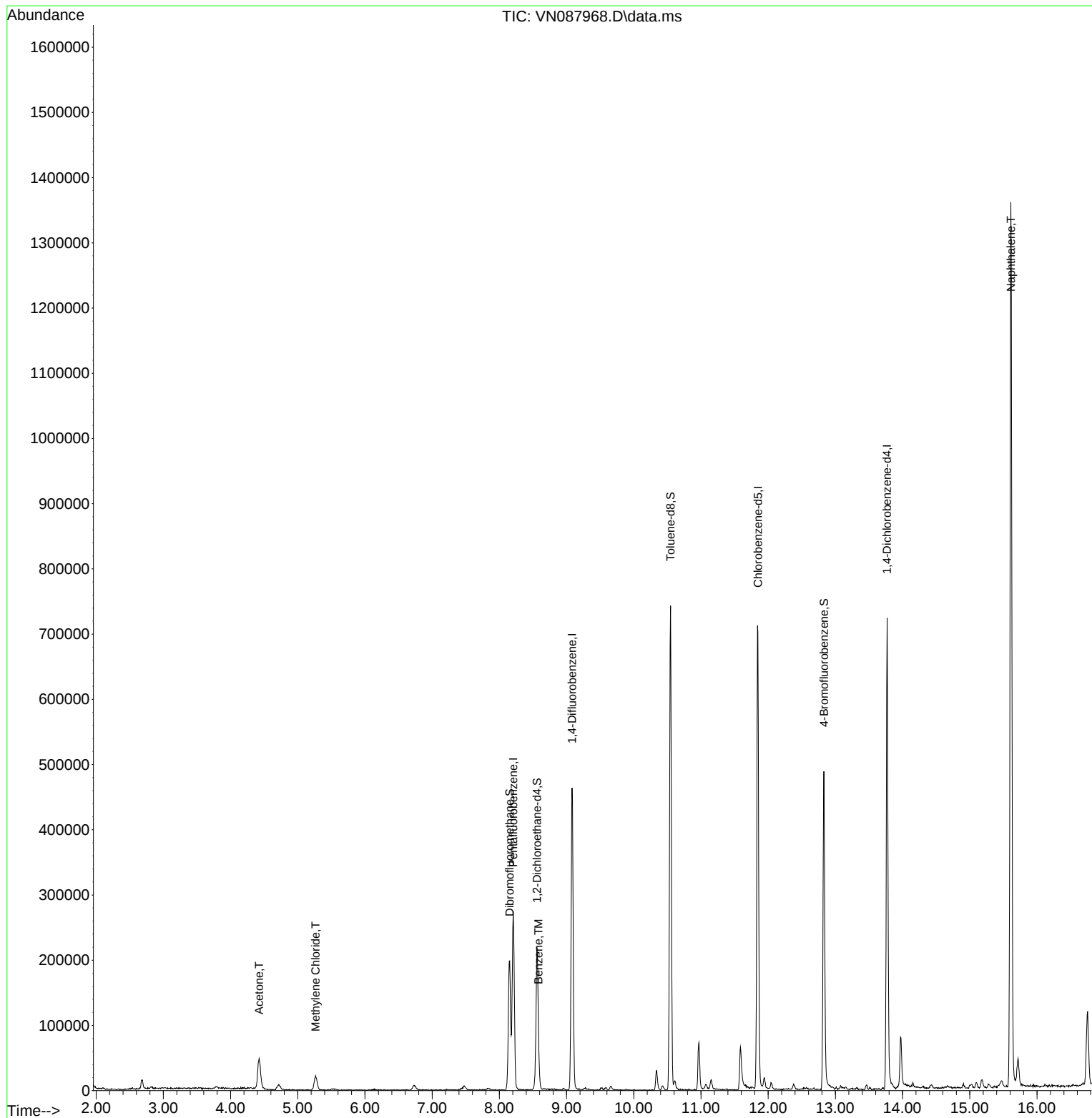
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.206  | 168   | 183424   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082  | 114   | 408536   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.847 | 117   | 411042   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770 | 152   | 193008   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 171121   | 55.435   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 110.860% |
| 35) Dibromofluoromethane    | 8.153  | 113   | 142787   | 48.138   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 96.280%  |
| 50) Toluene-d8              | 10.547 | 98    | 500395   | 47.972   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 95.940%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 166926   | 44.770   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 89.540%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.424  | 43    | 90660    | 71.381   | ug/l   | 99       |
| 20) Methylene Chloride      | 5.265  | 84    | 15840    | 6.162    | ug/l # | 96       |
| 40) Benzene                 | 8.582  | 78    | 12191    | 1.032    | ug/l # | 90       |
| 95) Naphthalene             | 15.611 | 128   | 1207154  | 106.389  | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

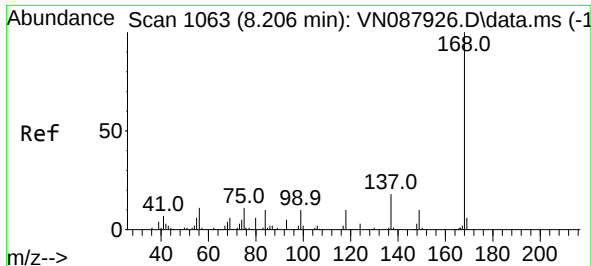
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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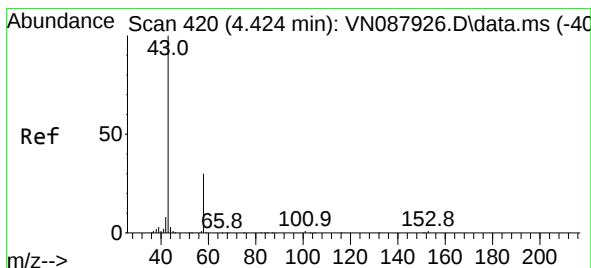
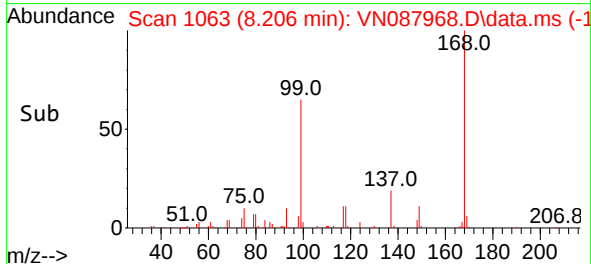
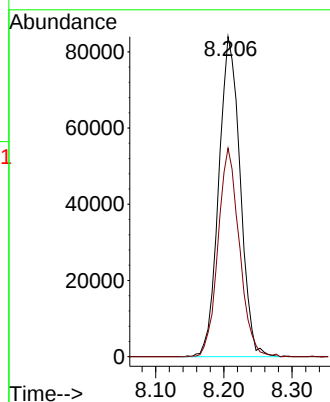
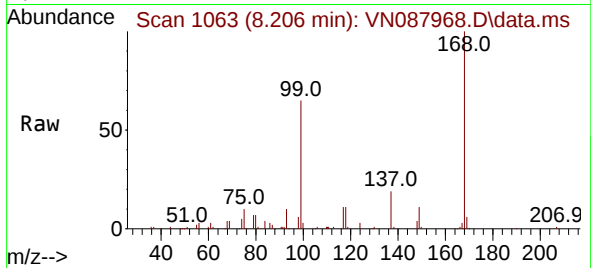




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

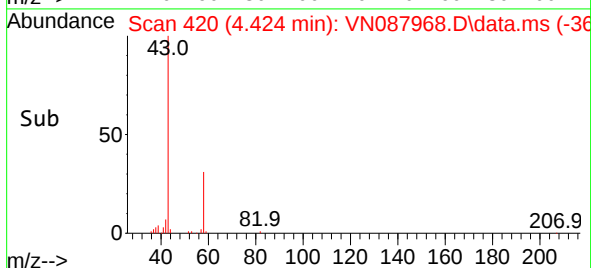
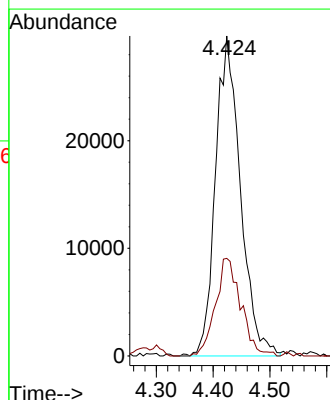
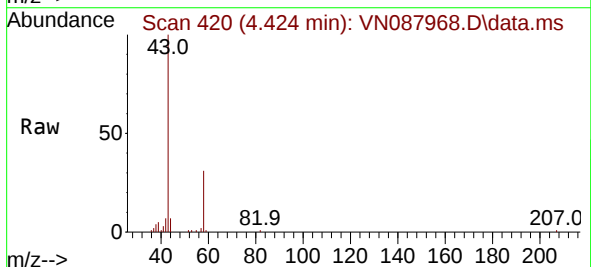
Instrument :  
MSVOA\_N  
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WC-A3-02-G

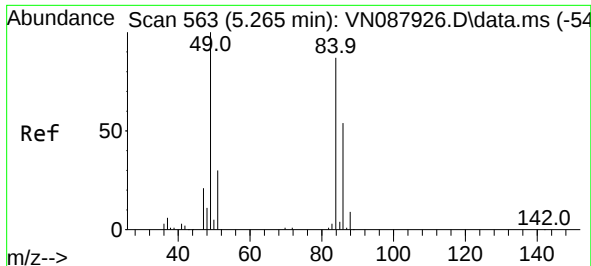
Tgt Ion:168 Resp: 183424  
Ion Ratio Lower Upper  
168 100  
99 65.2 52.2 78.2



#16  
Acetone  
Concen: 71.381 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

Tgt Ion: 43 Resp: 90660  
Ion Ratio Lower Upper  
43 100  
58 30.5 24.1 36.1

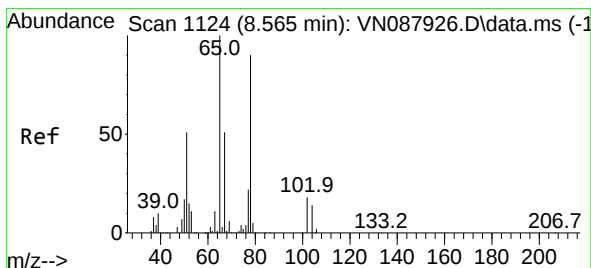
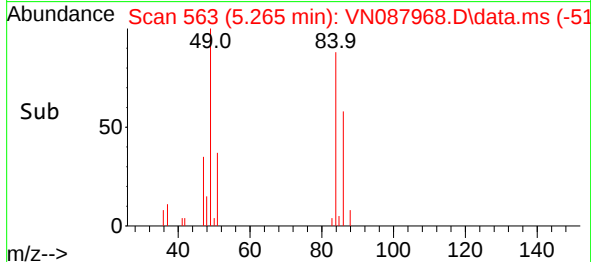
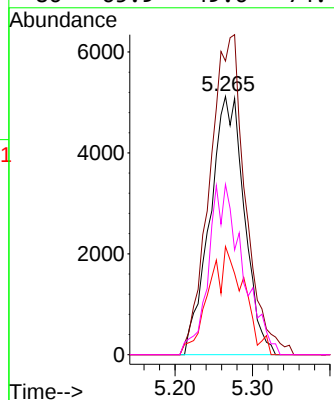
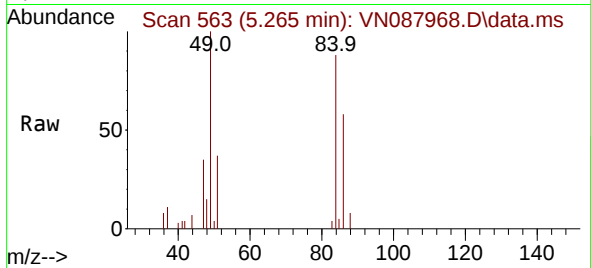




#20  
Methylene Chloride  
Concen: 6.162 ug/l  
RT: 5.265 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

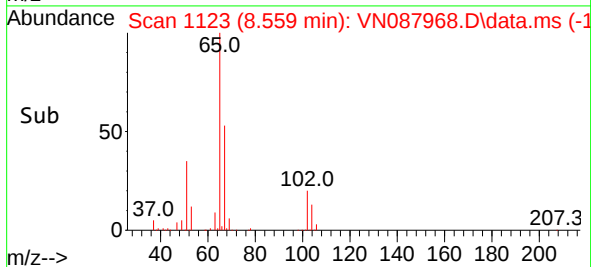
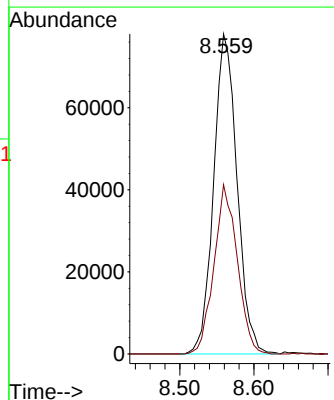
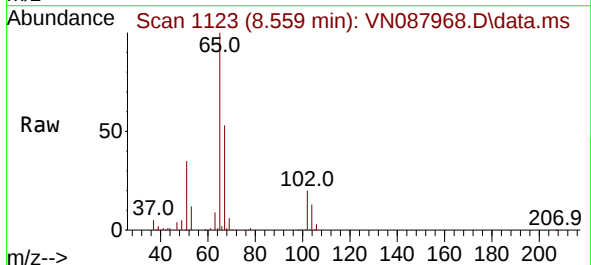
Instrument :  
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ClientSampleId :  
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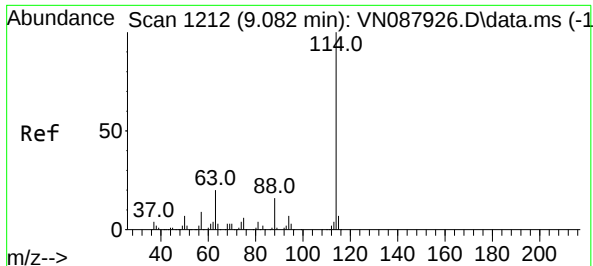
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 15840 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.7 | 92.1  | 138.1 |
| 51       | 41.9  | 27.7  | 41.5# |
| 86       | 65.9  | 49.6  | 74.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 55.435 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.006 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 171121 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.7  | 0.0   | 103.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087968.D

Acq: 26 Sep 2025 15:49

Instrument :

MSVOA\_N

ClientSampleId :

WC-A3-02-G

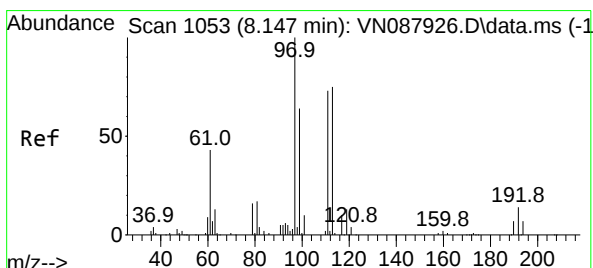
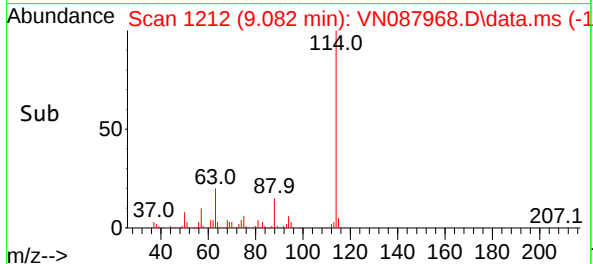
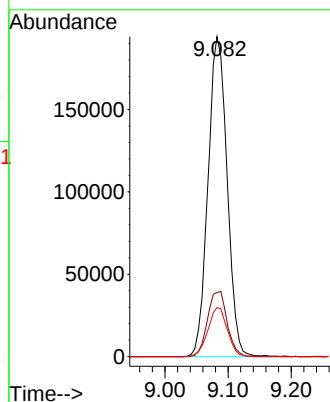
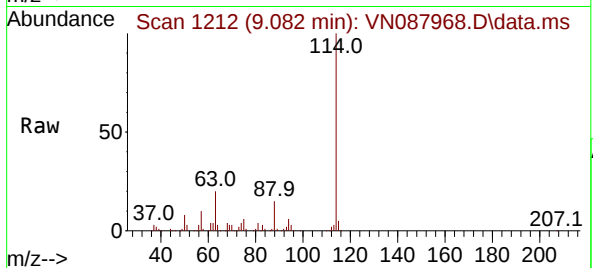
Tgt Ion:114 Resp: 408536

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.138 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087968.D

Acq: 26 Sep 2025 15:49

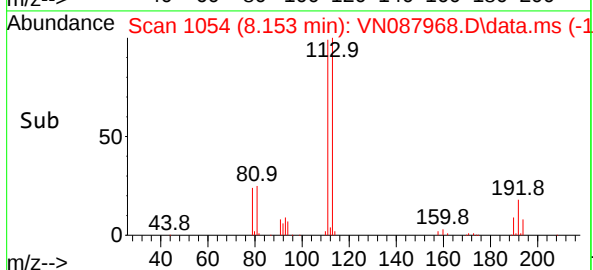
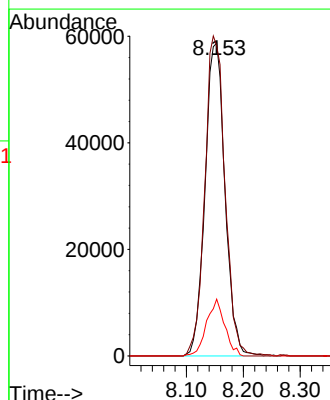
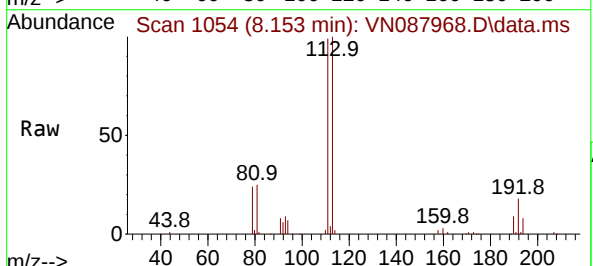
Tgt Ion:113 Resp: 142787

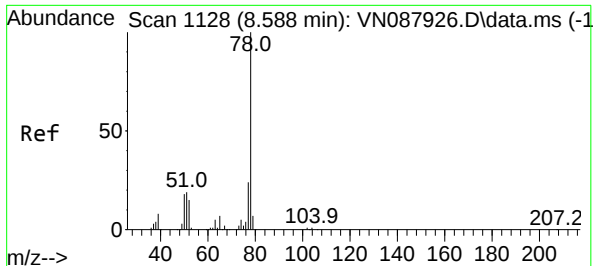
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 16.6 14.2 21.2

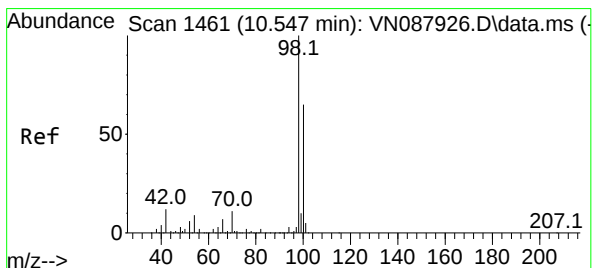
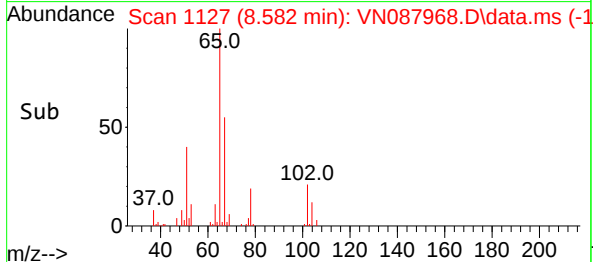
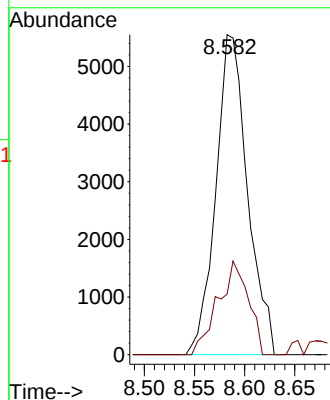
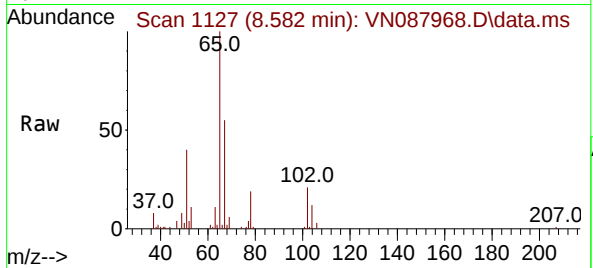




#40  
Benzene  
Concen: 1.032 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

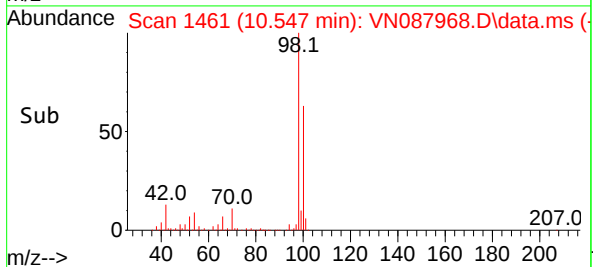
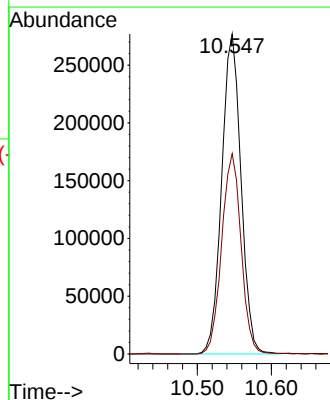
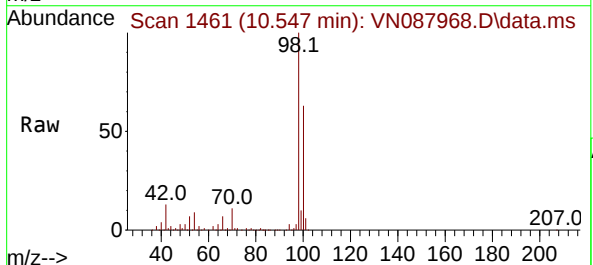
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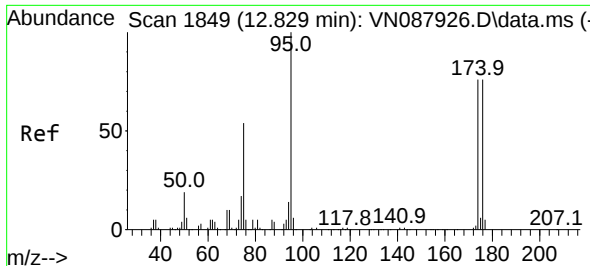
Tgt Ion: 78 Resp: 12191  
Ion Ratio Lower Upper  
78 100  
77 18.9 19.0 28.6#



#50  
Toluene-d8  
Concen: 47.972 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

Tgt Ion: 98 Resp: 500395  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.7 77.5

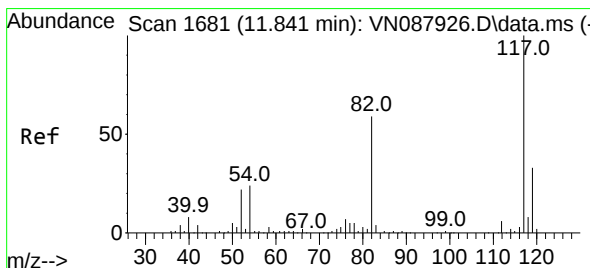
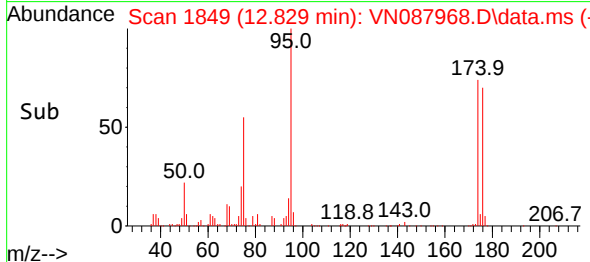
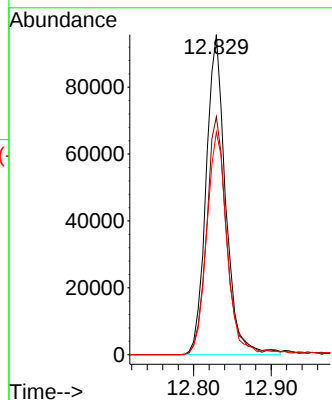
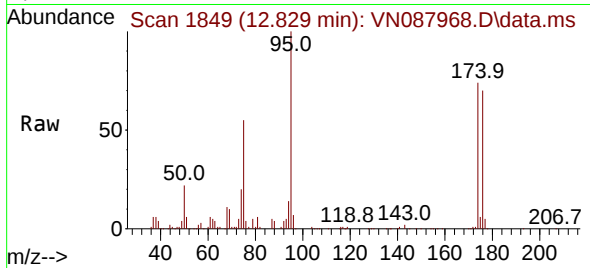




#62  
4-Bromofluorobenzene  
Concen: 44.770 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

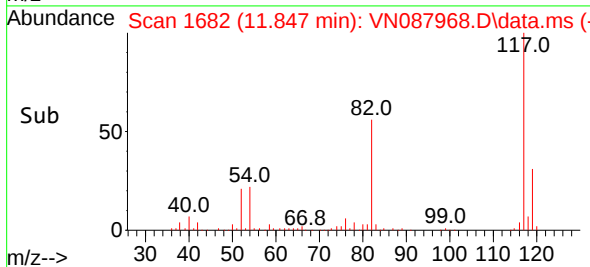
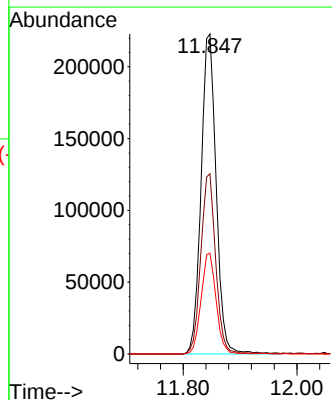
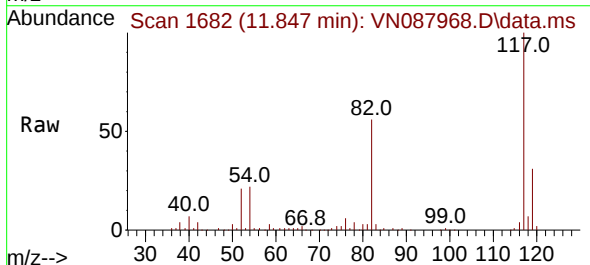
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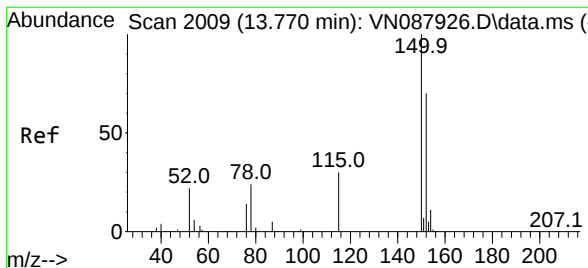
Tgt Ion: 95 Resp: 166926  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 159.2  
176 71.9 0.0 152.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. 0.006 min  
Lab File: VN087968.D  
Acq: 26 Sep 2025 15:49

Tgt Ion: 117 Resp: 411042  
Ion Ratio Lower Upper  
117 100  
82 56.3 47.0 70.4  
119 31.5 26.1 39.1

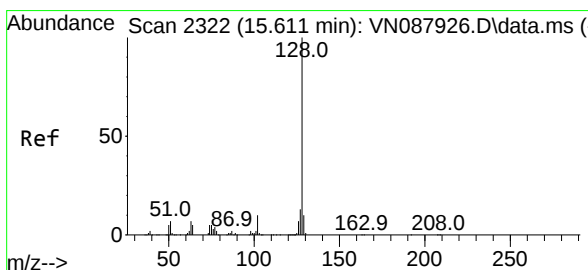
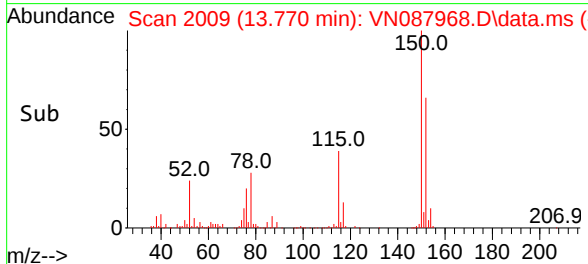
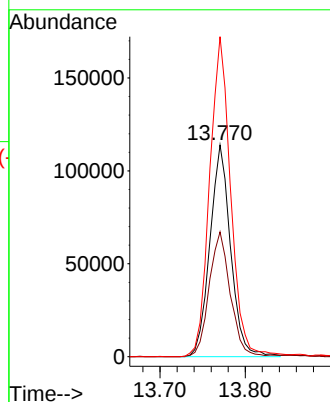
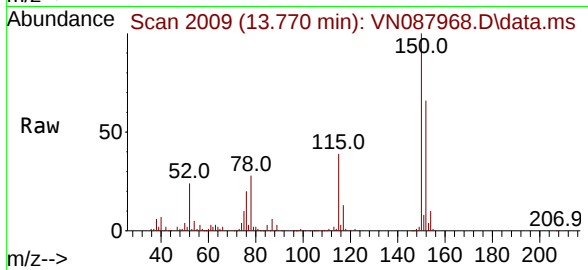




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 2009  
 Delta R.T. -0.000 min  
 Lab File: VN087968.D  
 Acq: 26 Sep 2025 15:49

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Tgt Ion:152 Resp: 193008  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 29.9 89.7  
 150 152.9 0.0 335.0



#95  
 Naphthalene  
 Concen: 106.389 ug/l  
 RT: 15.611 min Scan# 2322  
 Delta R.T. -0.000 min  
 Lab File: VN087968.D  
 Acq: 26 Sep 2025 15:49

Tgt Ion:128 Resp: 1207154  
 Ion Ratio Lower Upper  
 128 100  
 127 13.6 10.2 15.4  
 129 10.9 8.6 13.0

