

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062725\  
 Data File : VN087217.D  
 Acq On : 27 Jun 2025 13:31  
 Operator : JC\MD  
 Sample : Q2415-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-1

Quant Time: Jun 27 23:44:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:55:21 2025  
 Response via : Initial Calibration

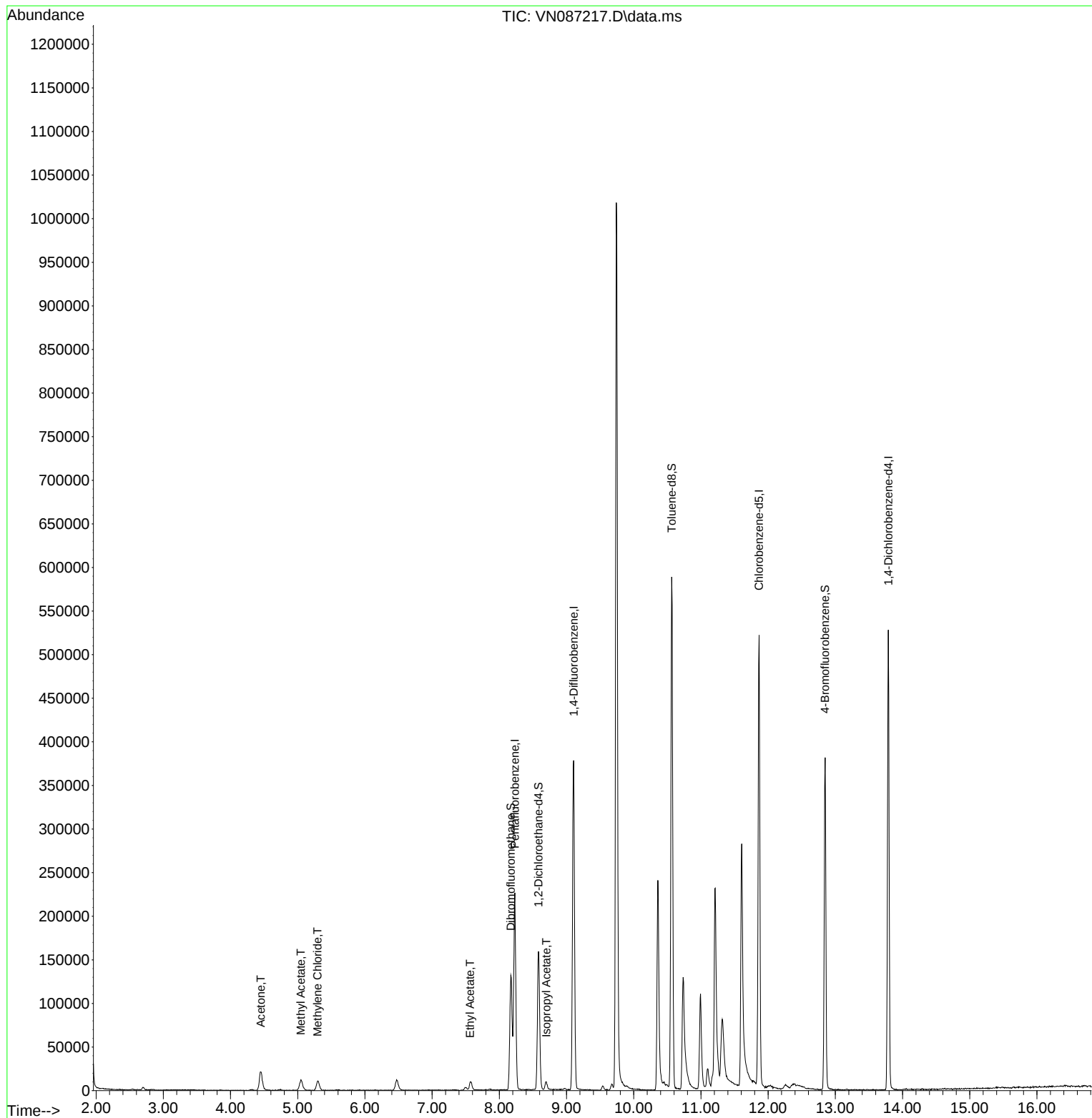
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 164411     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 341041     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 303735     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 146320     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583          | 65   | 134944     | 57.034   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 114.060% |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 103447     | 46.918   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 93.840%  |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 426341     | 46.752   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 93.500%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 144440     | 45.647   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 91.300%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 16) Acetone                 | 4.448          | 43   | 45711      | 28.317   | ug/l   | 96       |
| 18) Methyl Acetate          | 5.048          | 43   | 26136      | 8.323    | ug/l   | 99       |
| 20) Methylene Chloride      | 5.295          | 84   | 9398       | 2.726    | ug/l # | 91       |
| 37) Ethyl Acetate           | 7.565          | 43   | 16951      | 1.865    | ug/l   | 100      |
| 43) Isopropyl Acetate       | 8.700          | 43   | 11495      | 1.936    | ug/l # | 91       |
| -----                       |                |      |            |          |        |          |

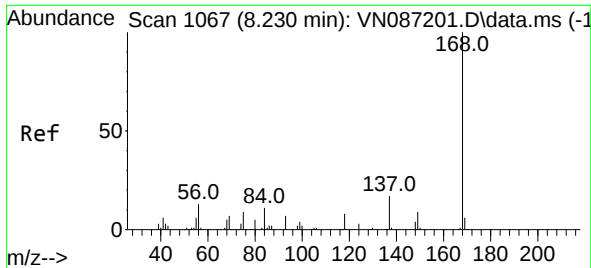
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062625W.M  
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QLast Update : Fri Jun 27 05:55:21 2025  
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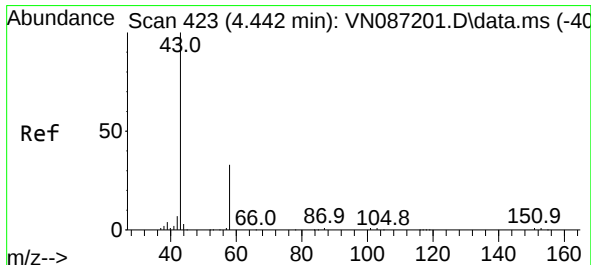
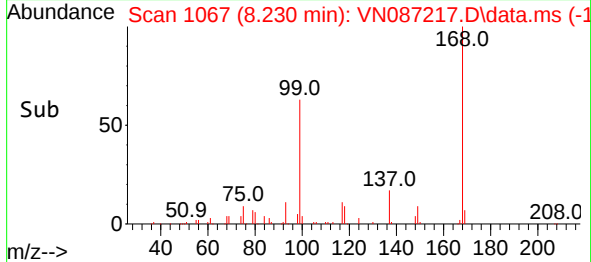
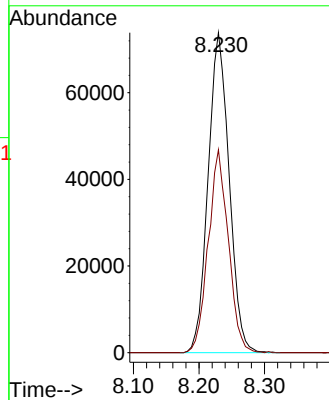
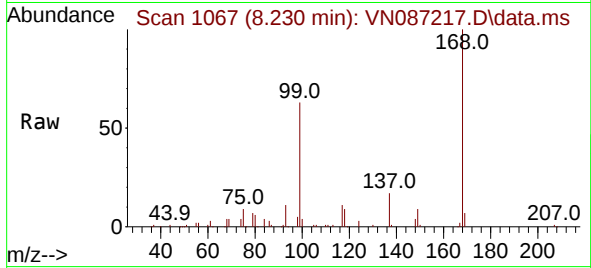




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

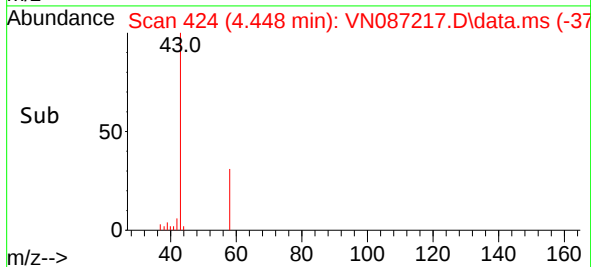
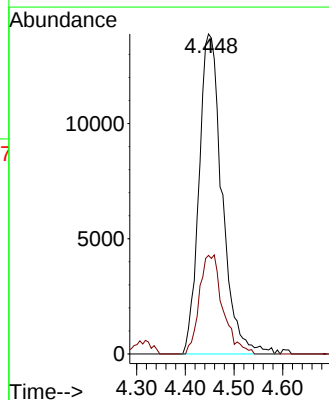
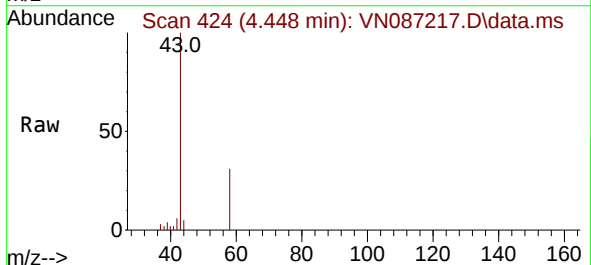
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-1

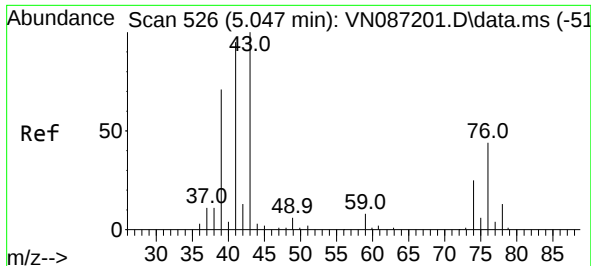
Tgt Ion:168 Resp: 164411  
Ion Ratio Lower Upper  
168 100  
99 63.4 47.9 71.9



#16  
Acetone  
Concen: 28.317 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.006 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

Tgt Ion: 43 Resp: 45711  
Ion Ratio Lower Upper  
43 100  
58 30.8 26.5 39.7

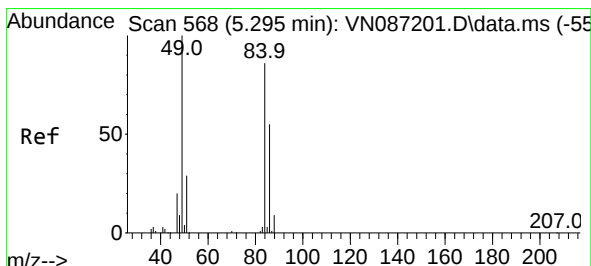
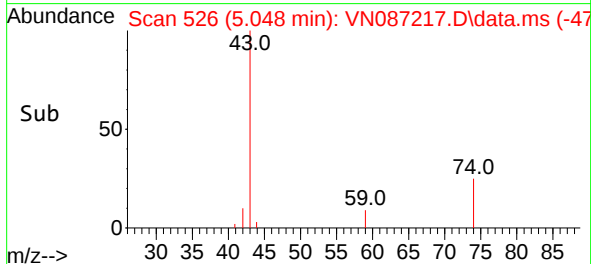
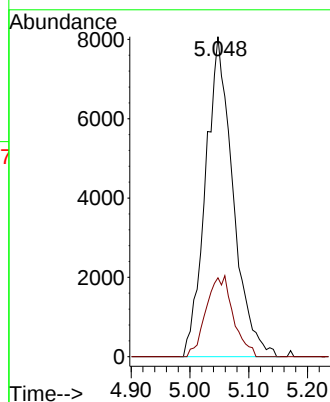
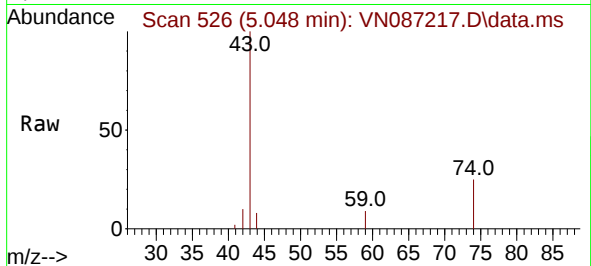




#18  
Methyl Acetate  
Concen: 8.323 ug/l  
RT: 5.048 min Scan# 51  
Delta R.T. 0.001 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

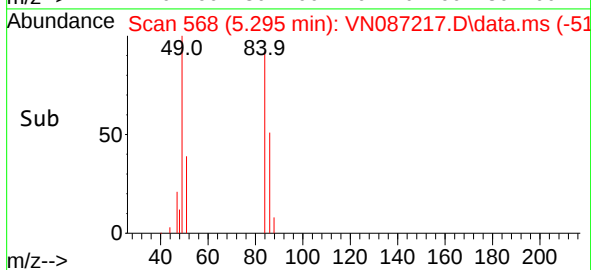
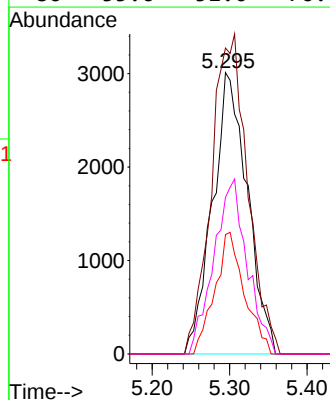
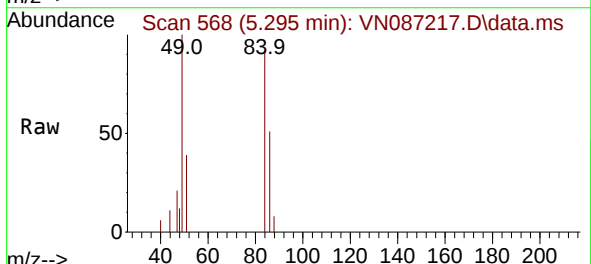
Instrument :  
MSVOA\_N  
ClientSampleId :  
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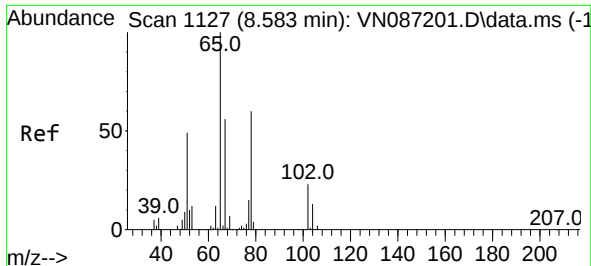
Tgt Ion: 43 Resp: 26136  
Ion Ratio Lower Upper  
43 100  
74 24.9 19.4 29.2



#20  
Methylene Chloride  
Concen: 2.726 ug/l  
RT: 5.295 min Scan# 568  
Delta R.T. -0.000 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

Tgt Ion: 84 Resp: 9398  
Ion Ratio Lower Upper  
84 100  
49 108.7 93.0 139.6  
51 42.4 27.2 40.8#  
86 55.6 51.0 76.4





#33

1,2-Dichloroethane-d4

Concen: 57.034 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087217.D

Acq: 27 Jun 2025 13:31

Instrument :

MSVOA\_N

ClientSampleId :

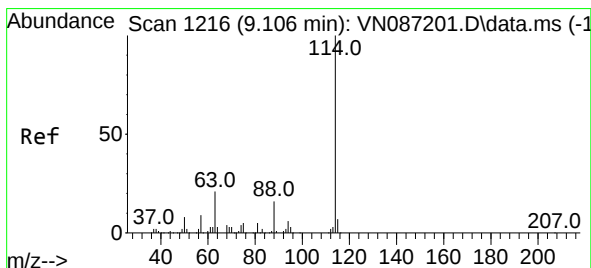
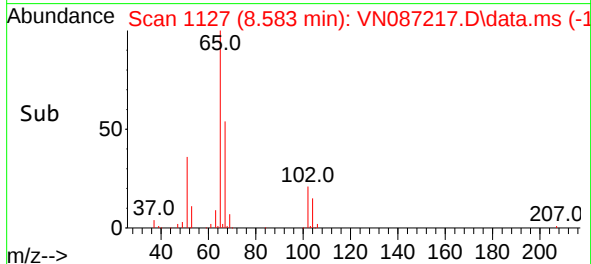
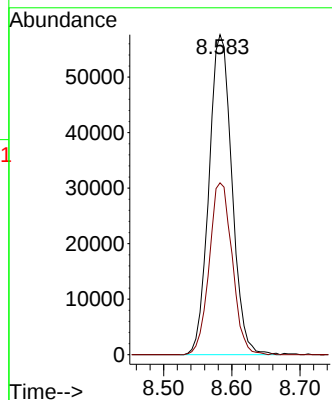
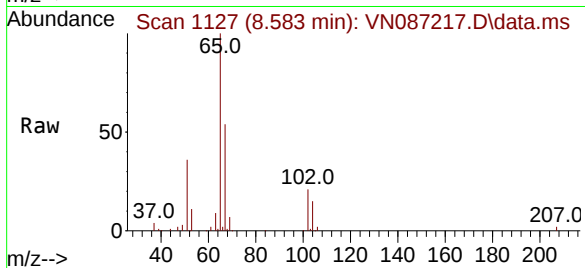
WC-1

Tgt Ion: 65 Resp: 134944

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087217.D

Acq: 27 Jun 2025 13:31

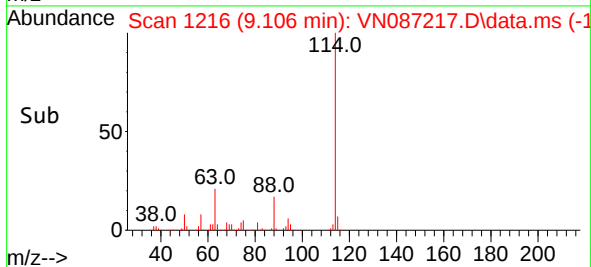
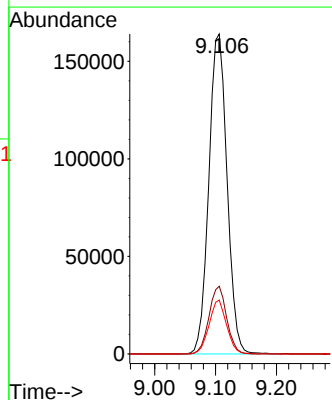
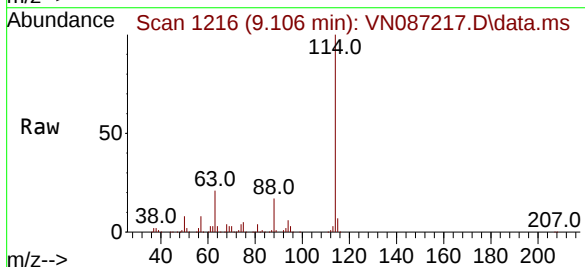
Tgt Ion: 114 Resp: 341041

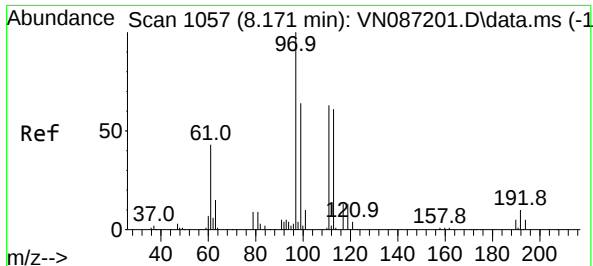
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 16.9 0.0 32.0

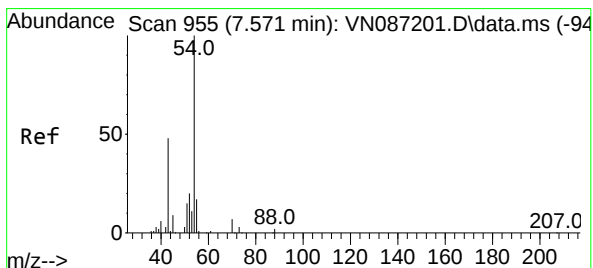
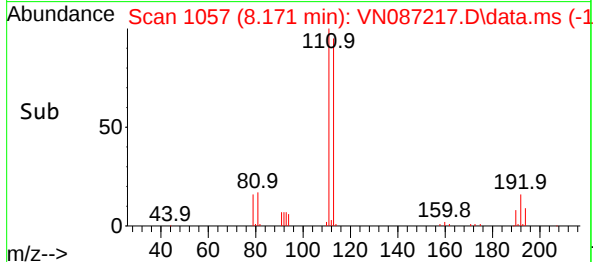
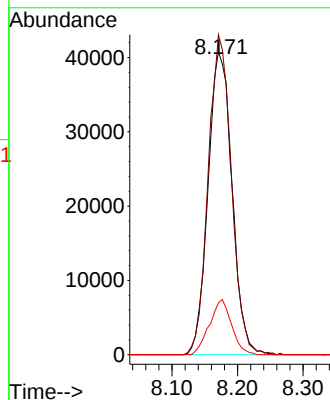
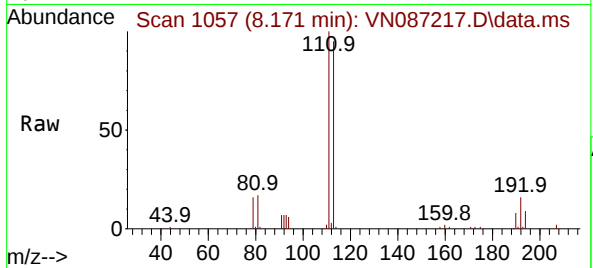




#35  
Dibromofluoromethane  
Concen: 46.918 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

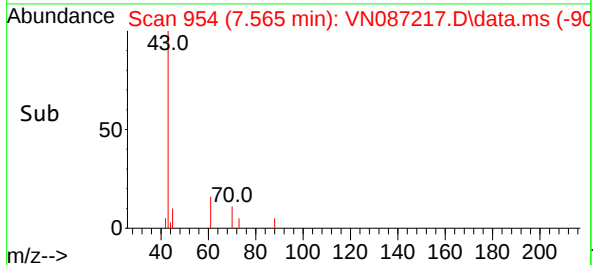
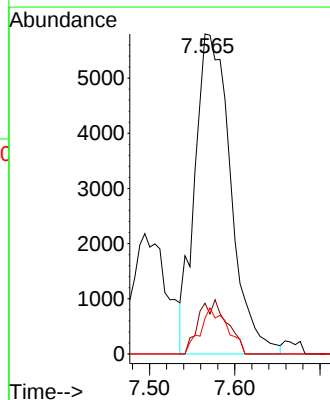
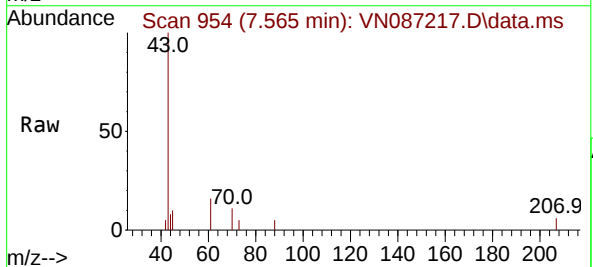
Instrument :  
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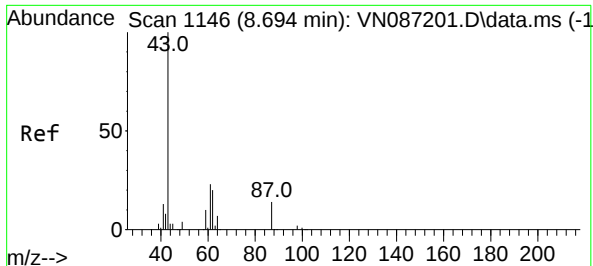
Tgt Ion:113 Resp: 103447  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.6 124.0  
192 16.9 13.5 20.3



#37  
Ethyl Acetate  
Concen: 1.865 ug/l  
RT: 7.565 min Scan# 954  
Delta R.T. -0.006 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

Tgt Ion: 43 Resp: 16951  
Ion Ratio Lower Upper  
43 100  
61 13.5 10.8 16.2  
70 10.9 8.9 13.3

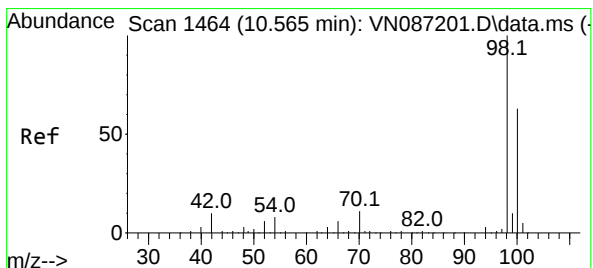
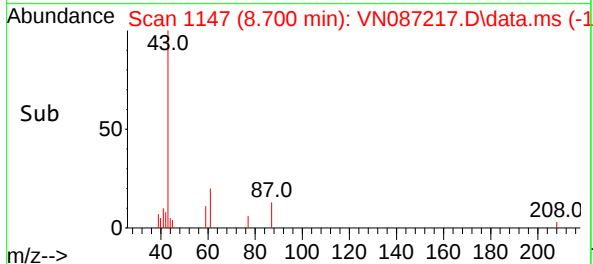
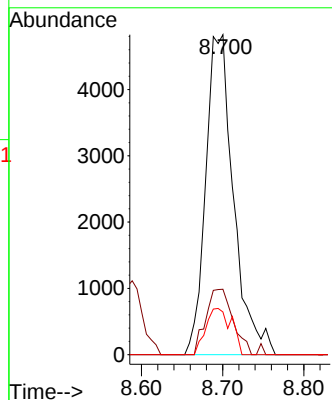
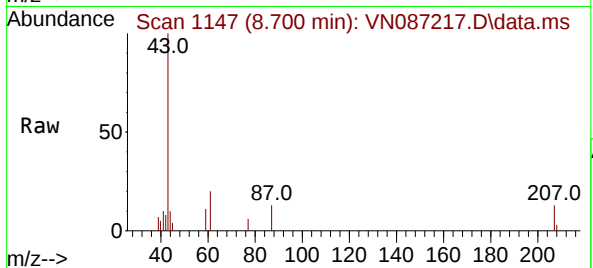




#43  
Isopropyl Acetate  
Concen: 1.936 ug/l  
RT: 8.700 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

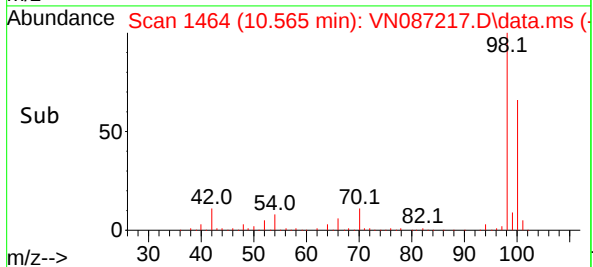
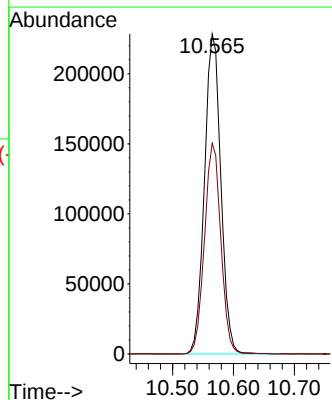
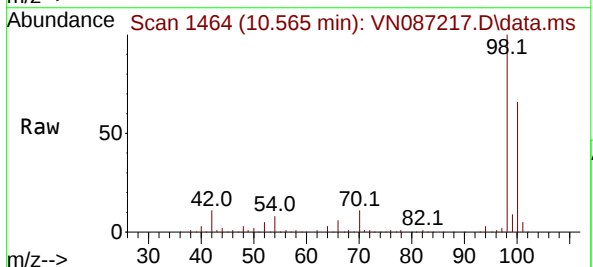
Instrument :  
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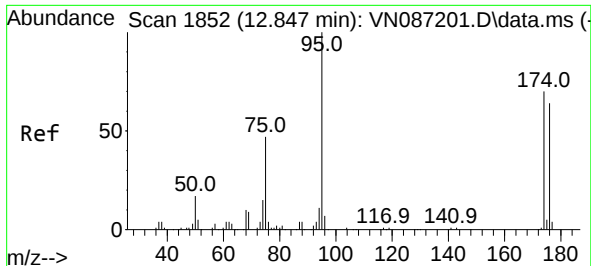
Tgt Ion: 43 Resp: 11495  
Ion Ratio Lower Upper  
43 100  
61 19.9 21.0 31.6#  
87 13.3 11.0 16.6



#50  
Toluene-d8  
Concen: 46.752 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

Tgt Ion: 98 Resp: 426341  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.7 79.1

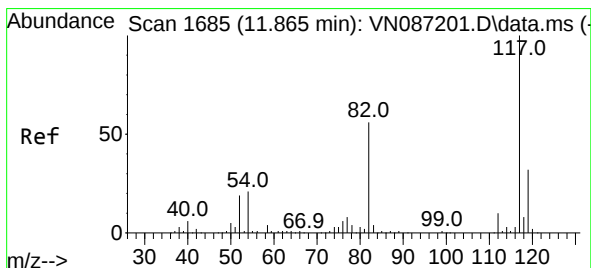
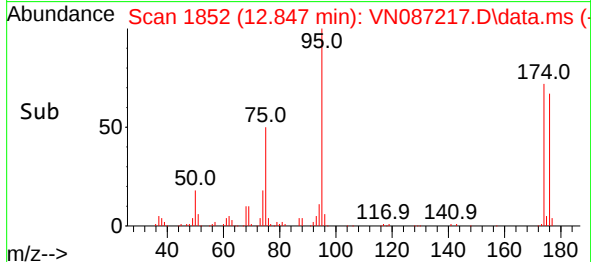
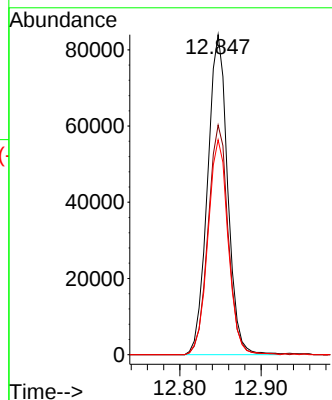
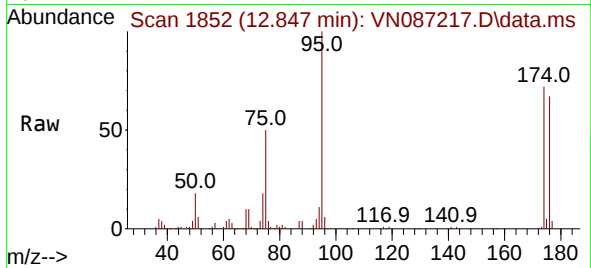




#62  
4-Bromofluorobenzene  
Concen: 45.647 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

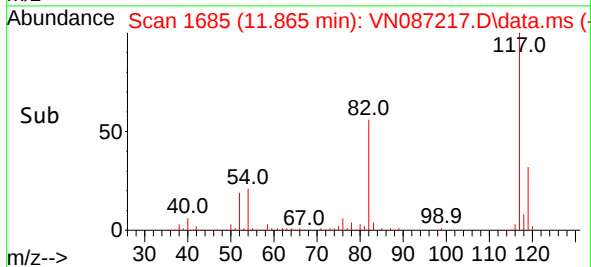
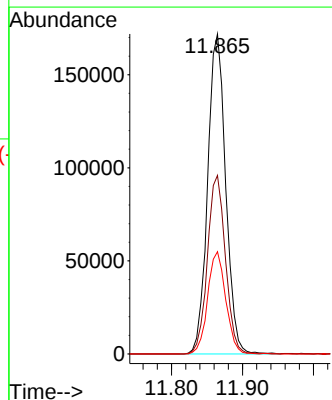
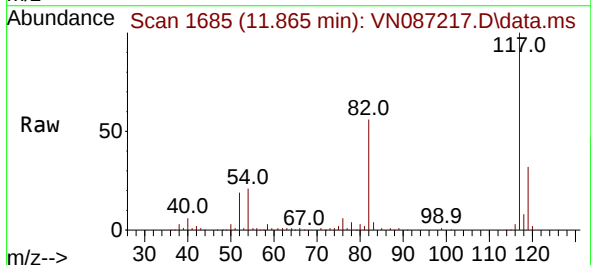
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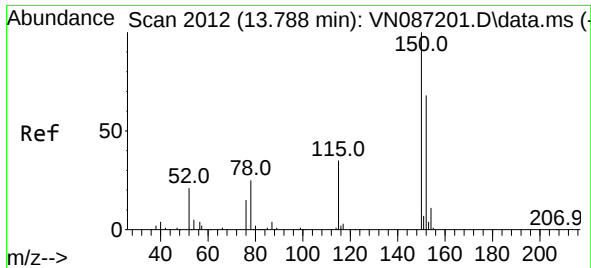
Tgt Ion: 95 Resp: 144440  
Ion Ratio Lower Upper  
95 100  
174 71.9 0.0 142.2  
176 67.6 0.0 134.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN087217.D  
Acq: 27 Jun 2025 13:31

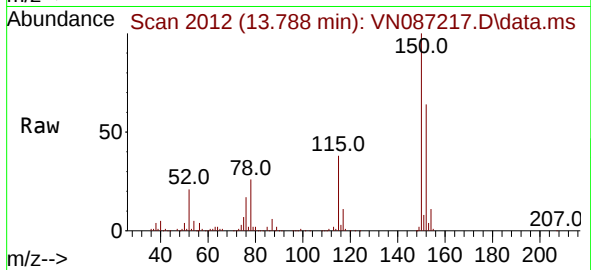
Tgt Ion: 117 Resp: 303735  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.0 67.4  
119 32.0 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN087217.D  
 Acq: 27 Jun 2025 13:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:152 Resp: 146320  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 30.6 91.8  
 150 157.7 0.0 347.8

