

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062725\  
 Data File : VN087224.D  
 Acq On : 27 Jun 2025 15:56  
 Operator : JC\MD  
 Sample : Q2437-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

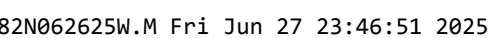
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

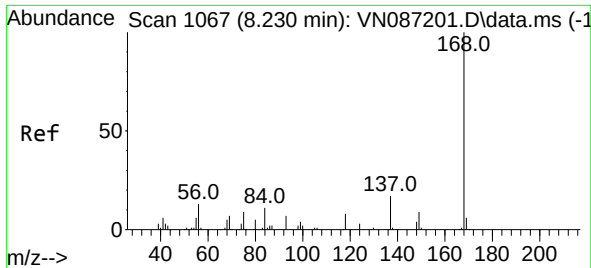
Quant Time: Jun 27 23:46:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:55:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.229          | 168  | 184837              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 453762              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 401647              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788         | 152  | 188552              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582          | 65   | 148849              | 55.959    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 111.920% |           |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 113080              | 38.546    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 77.100%  |           |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 555307              | 45.768    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 91.540%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 167565              | 39.801    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 79.600%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 16) Acetone                   | 4.441          | 43   | 132                 | Below Cal | #      | 42       |
| 17) Carbon Disulfide          | 4.747          | 76   | 143                 | Below Cal | #      | 76       |
| 31) Cyclohexane               | 8.224          | 56   | 3979                | 0.966     | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 8.229          | 75   | 14477               | 3.369     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.229          | 117  | 17751               | 4.242     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.570         | 43   | 2043                | Below Cal | #      | 1        |
| 71) Bromoform                 | 12.847         | 173  | 882                 | 0.418     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 87153               | 20.717    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 87153               | 46.497    | ug/l # | 13       |
| -----                         |                |      |                     |           |        |          |

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

Quant Time: Jun 27 23:46:42 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

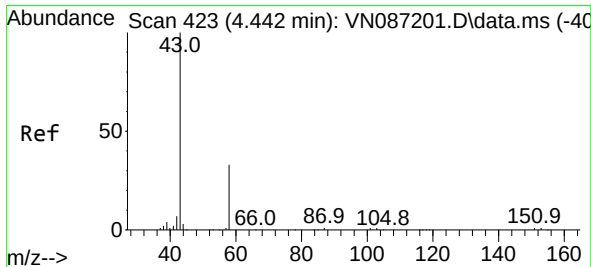
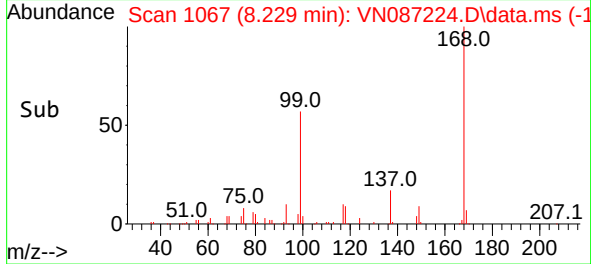
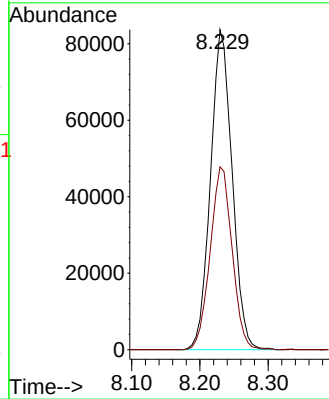
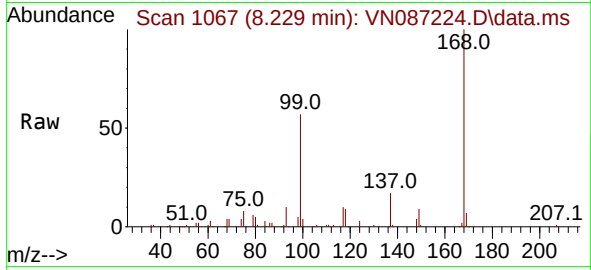




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

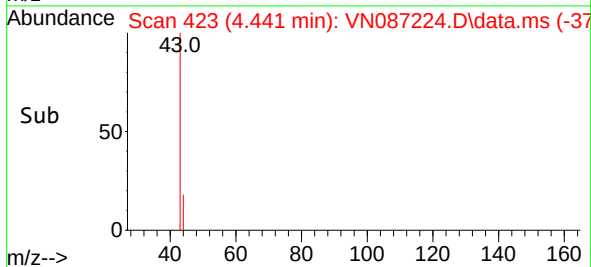
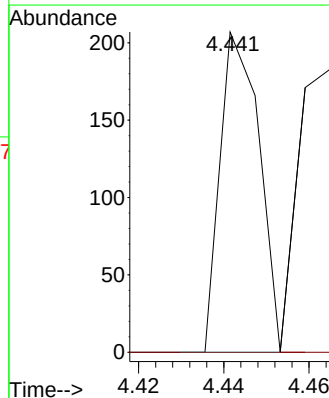
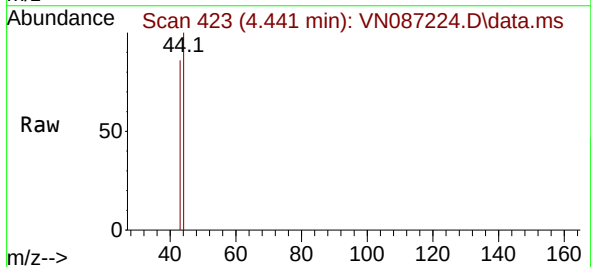
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

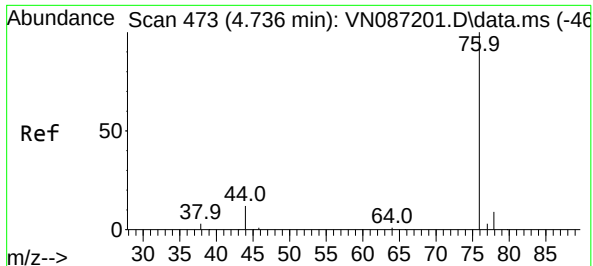
Tgt Ion:168 Resp: 184837  
Ion Ratio Lower Upper  
168 100  
99 57.2 47.9 71.9



#16  
Acetone  
Concen: Below Cal  
RT: 4.441 min Scan# 423  
Delta R.T. -0.001 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

Tgt Ion: 43 Resp: 132  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.5 39.7#

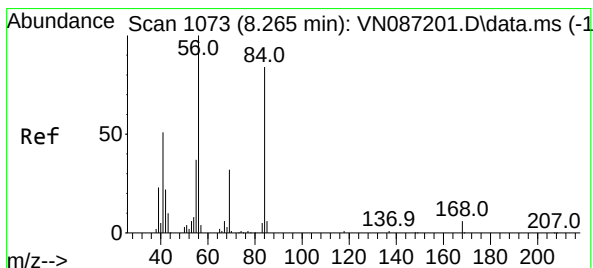
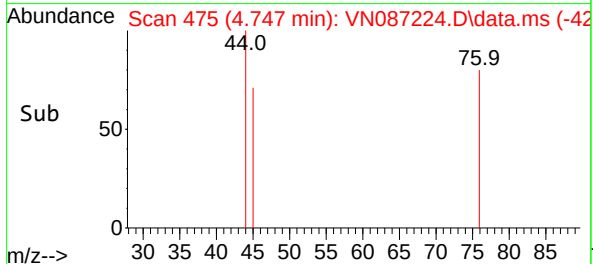
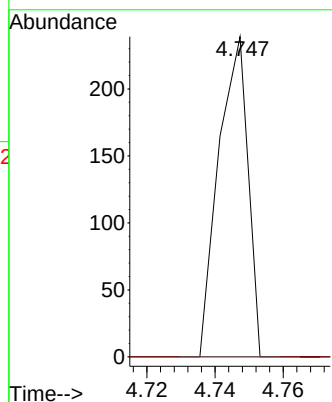
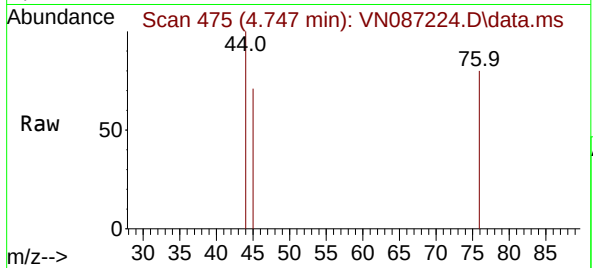




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.747 min Scan# 41  
Delta R.T. 0.011 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

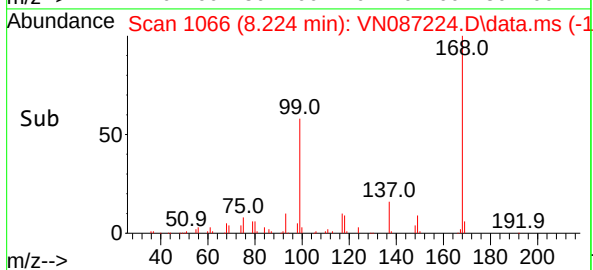
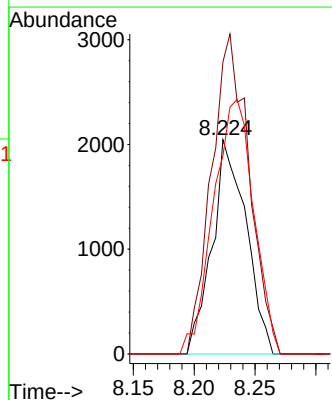
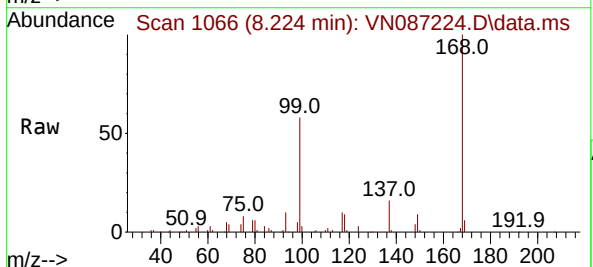
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

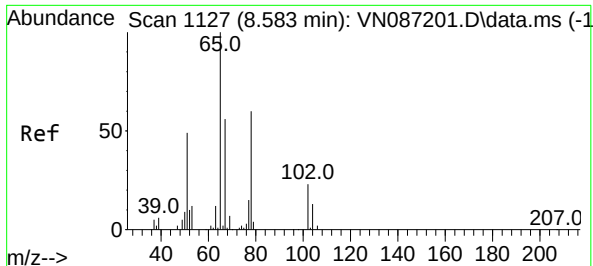
Tgt Ion: 76 Resp: 143  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#



#31  
Cyclohexane  
Concen: 0.966 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.041 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

Tgt Ion: 56 Resp: 3979  
Ion Ratio Lower Upper  
56 100  
69 136.3 25.3 37.9#  
84 92.4 67.4 101.0





#33

1,2-Dichloroethane-d4

Concen: 55.959 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087224.D

Acq: 27 Jun 2025 15:56

Instrument :

MSVOA\_N

ClientSampleId :

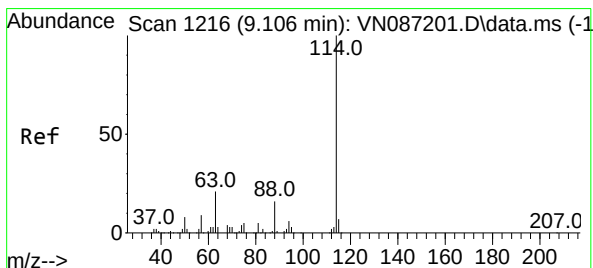
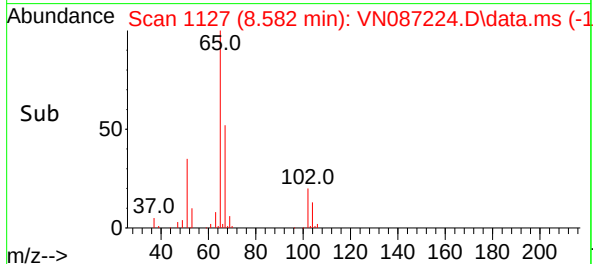
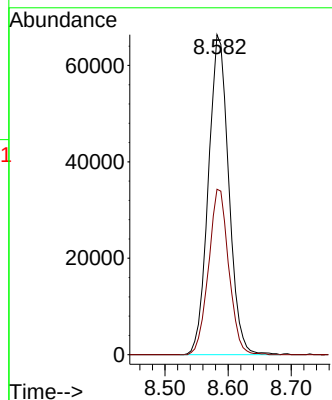
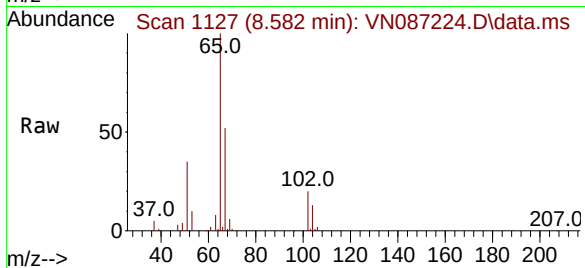
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 148849

Ion Ratio Lower Upper

65 100

67 51.3 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: VN087224.D

Acq: 27 Jun 2025 15:56

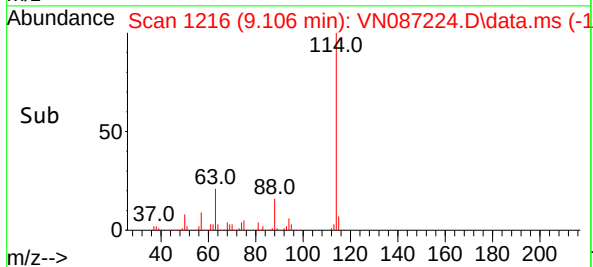
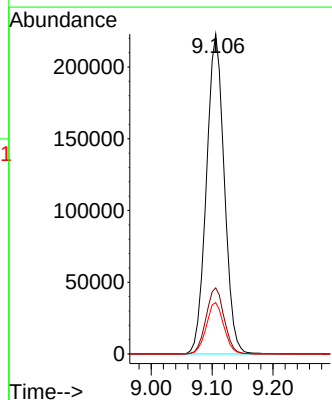
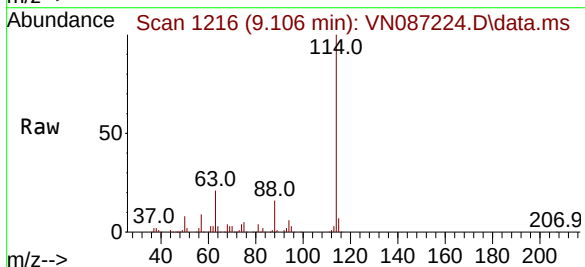
Tgt Ion: 114 Resp: 453762

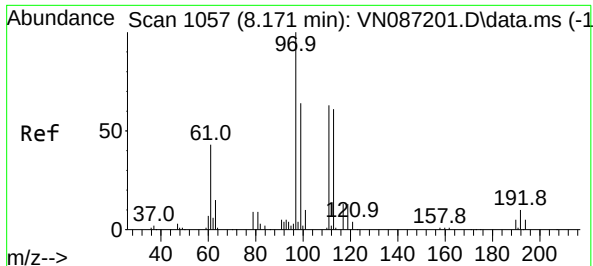
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

88 16.1 0.0 32.0

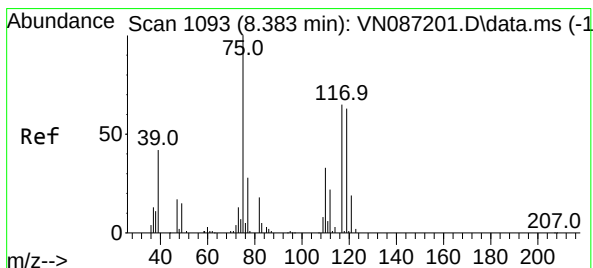
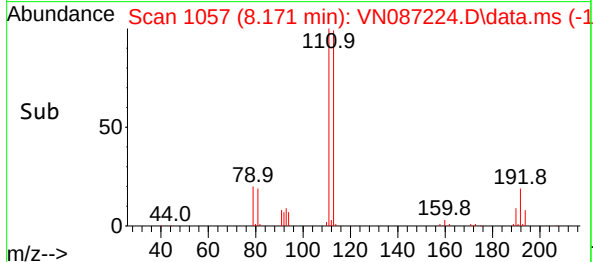
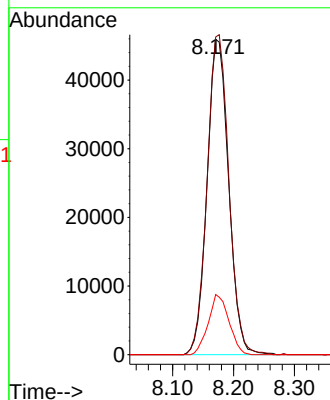
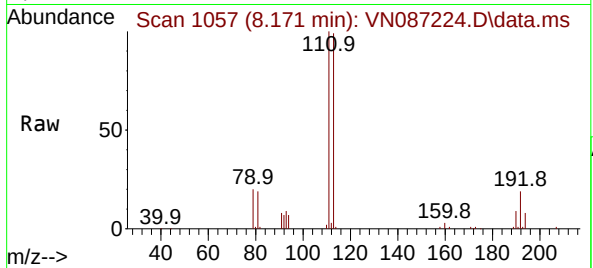




#35  
Dibromofluoromethane  
Concen: 38.546 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

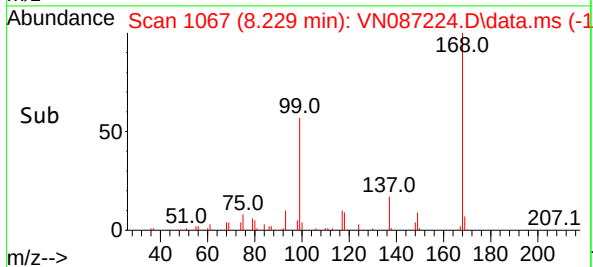
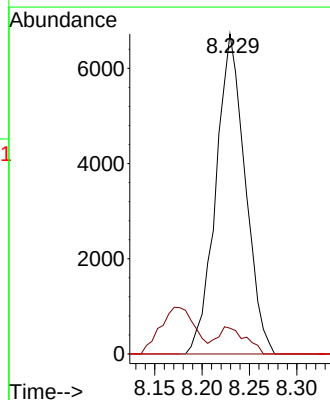
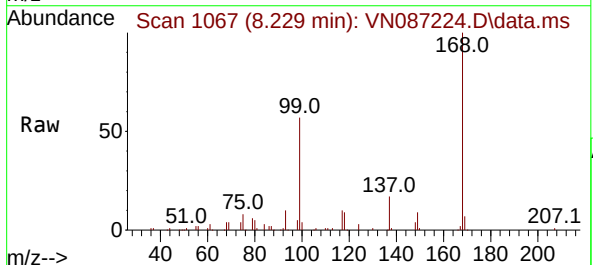
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

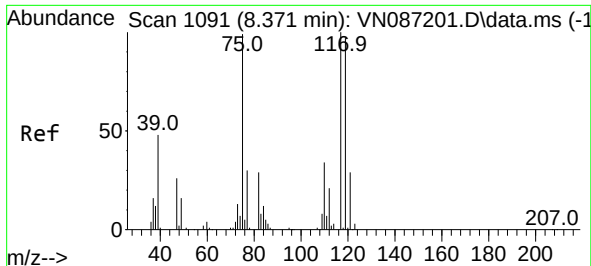
Tgt Ion:113 Resp: 113080  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.6 124.0  
192 18.3 13.5 20.3



#36  
1,1-Dichloropropene  
Concen: 3.369 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.153 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

Tgt Ion: 75 Resp: 14477  
Ion Ratio Lower Upper  
75 100  
110 8.2 16.9 50.6#  
77 0.0 24.7 37.1#

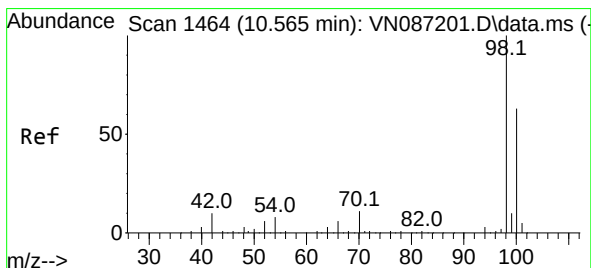
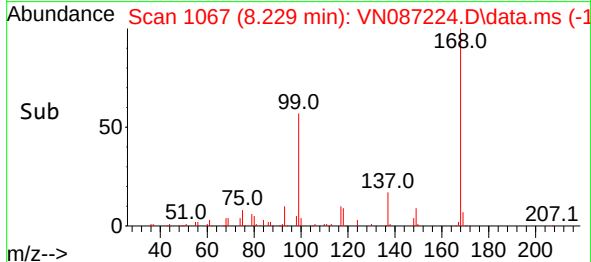
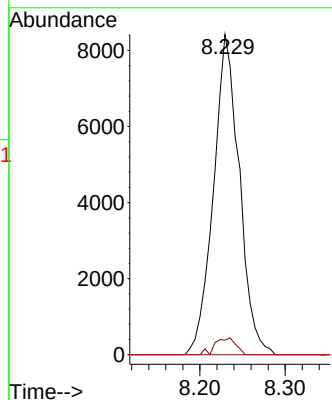
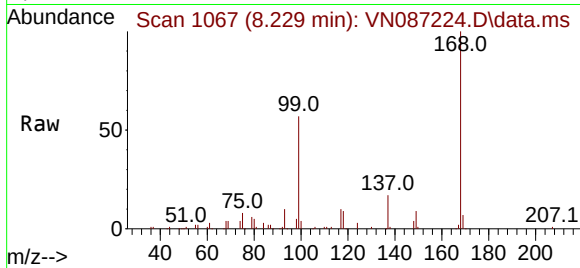




#38  
Carbon Tetrachloride  
Concen: 4.242 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

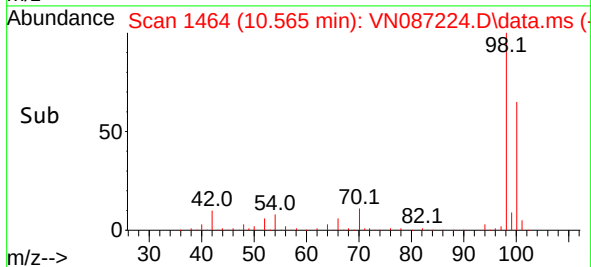
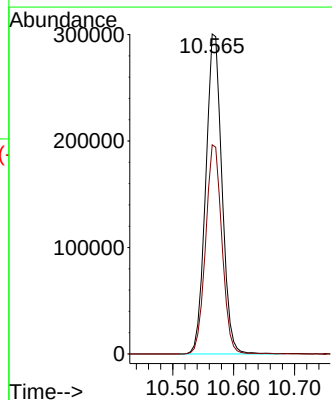
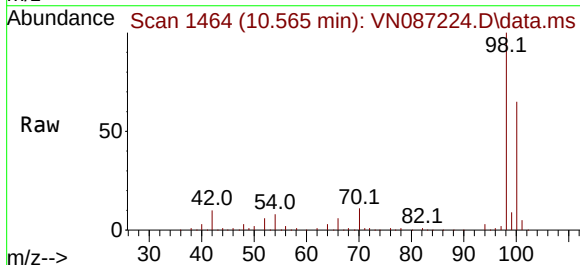
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

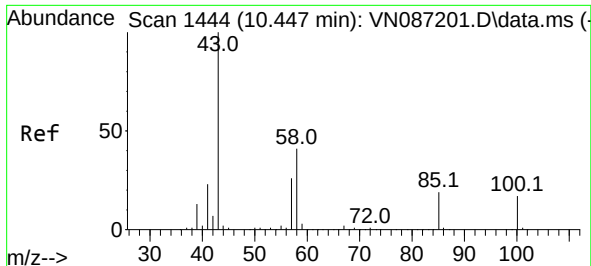
Tgt Ion:117 Resp: 17751  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.4 116.0#  
121 0.0 23.2 34.8#



#50  
Toluene-d8  
Concen: 45.768 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

Tgt Ion: 98 Resp: 555307  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.7 79.1

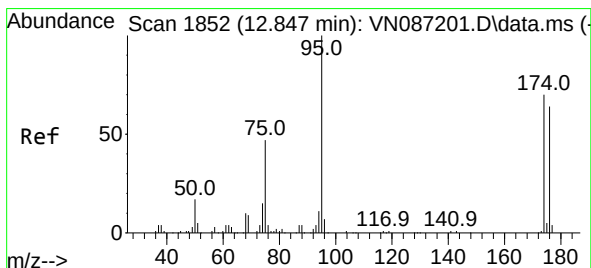
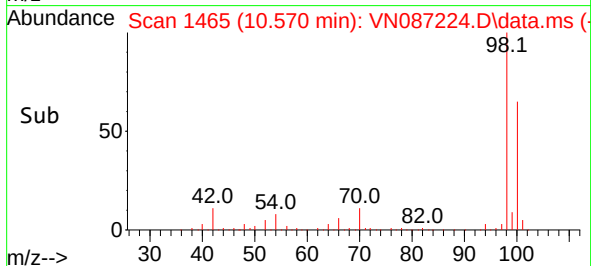
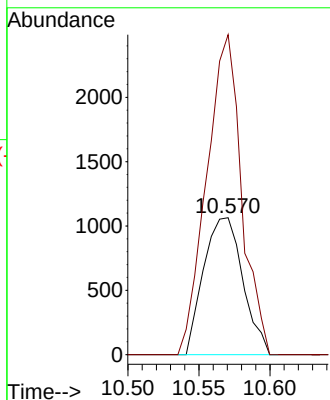
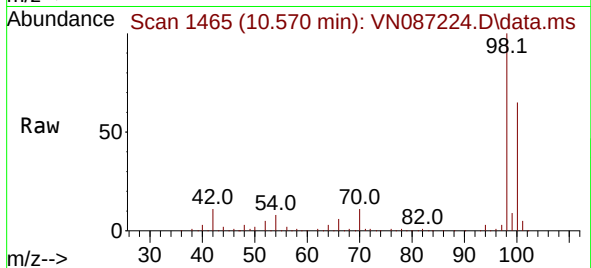




#51  
4-Methyl-2-Pentanone  
Concen: Below Cal  
RT: 10.570 min Scan# 1444  
Delta R.T. 0.123 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

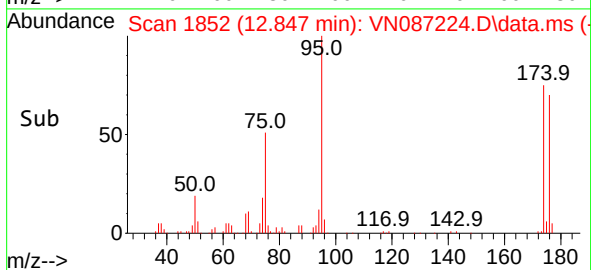
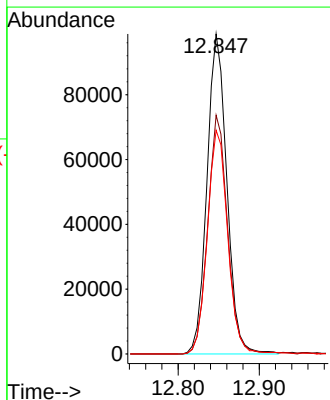
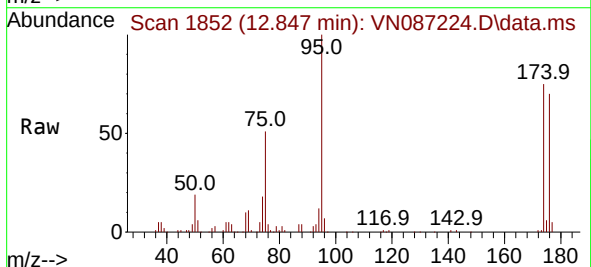
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 43 Resp: 2043  
Ion Ratio Lower Upper  
43 100  
58 208.5 32.6 48.8#

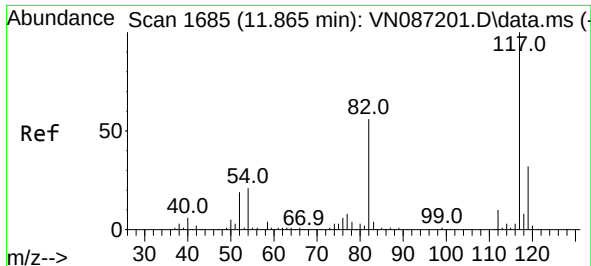


#62  
4-Bromofluorobenzene  
Concen: 39.801 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

Tgt Ion: 95 Resp: 167565  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 142.2  
176 72.1 0.0 134.8



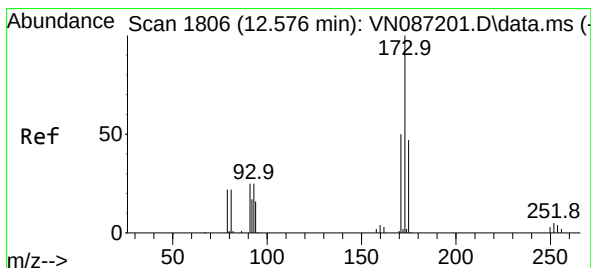
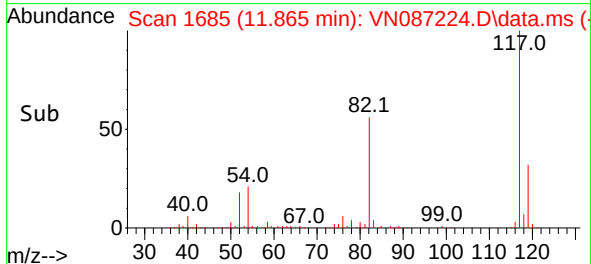
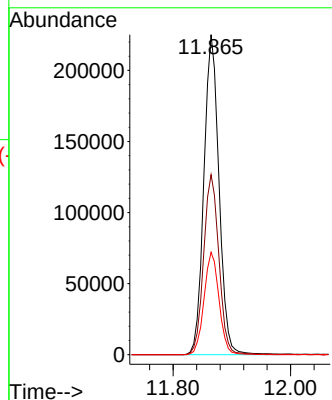
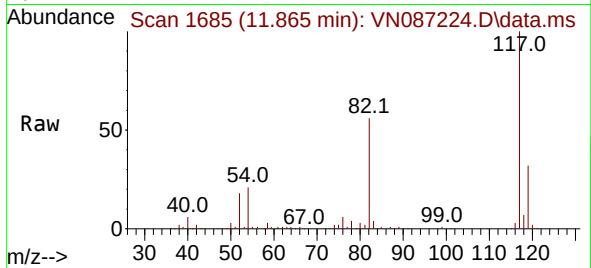




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

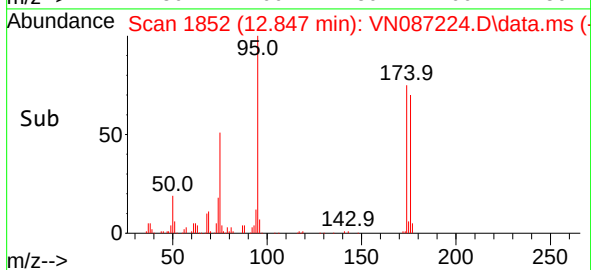
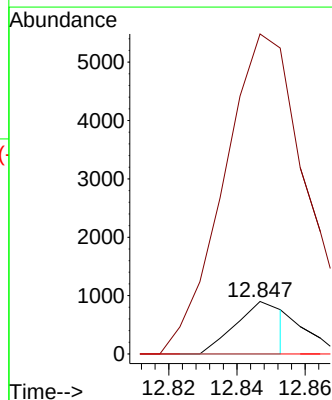
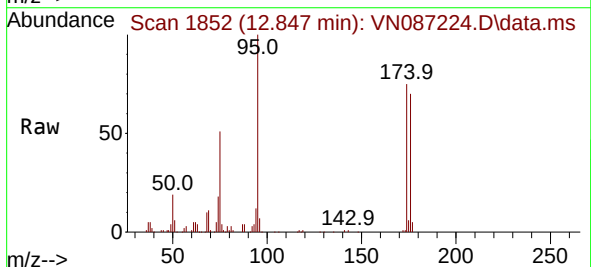
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

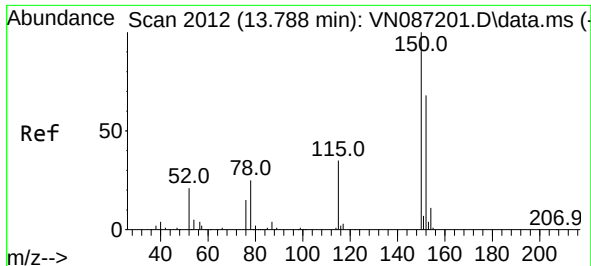
Tgt Ion:117 Resp: 401647  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.0 67.4  
119 32.0 25.9 38.9



#71  
Bromoform  
Concen: 0.418 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.270 min  
Lab File: VN087224.D  
Acq: 27 Jun 2025 15:56

Tgt Ion:173 Resp: 882  
Ion Ratio Lower Upper  
173 100  
175 780.8 23.8 71.2#  
254 0.0 0.0 0.0

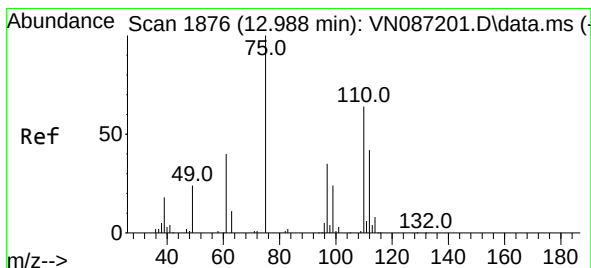
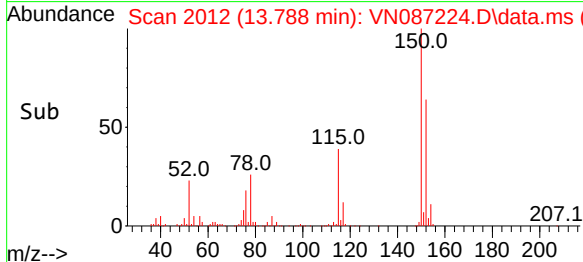
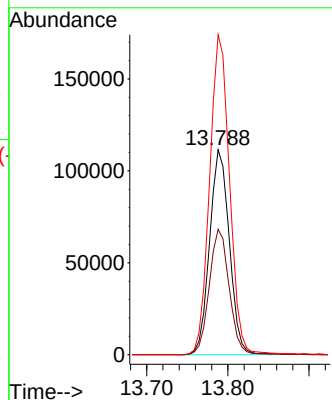
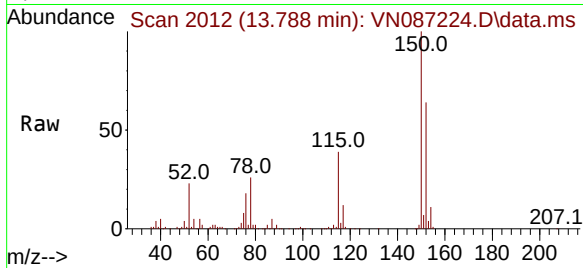




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 2012  
 Delta R.T. -0.000 min  
 Lab File: VN087224.D  
 Acq: 27 Jun 2025 15:56

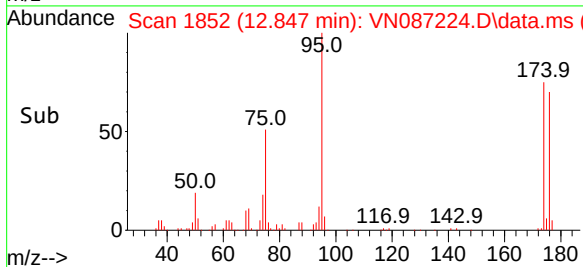
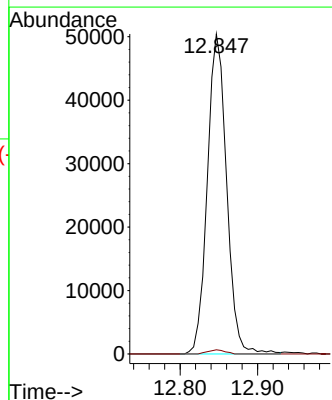
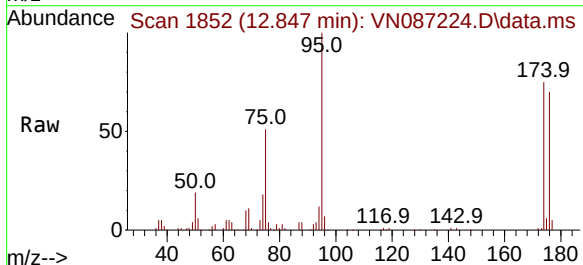
Instrument : MSVOA\_N  
 ClientSampleId : STORAGE-BLANK-WATER-REF-5

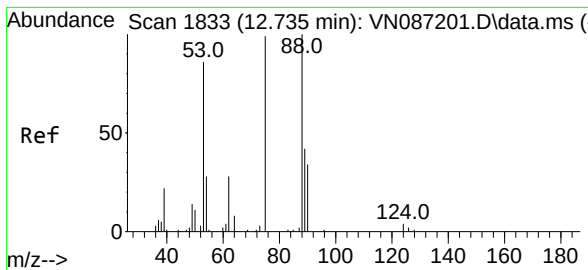
Tgt Ion:152 Resp: 188552  
 Ion Ratio Lower Upper  
 152 100  
 115 61.7 30.6 91.8  
 150 157.6 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 20.717 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.141 min  
 Lab File: VN087224.D  
 Acq: 27 Jun 2025 15:56

Tgt Ion: 75 Resp: 87153  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 85.5 256.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 46.497 ug/l  
 RT: 12.847 min Scan# 11  
 Delta R.T. 0.112 min  
 Lab File: VN087224.D  
 Acq: 27 Jun 2025 15:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 87153  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 71.4 107.0#  
 89 0.0 37.9 56.9#

