

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111125\  
 Data File : VN088248.D  
 Acq On : 11 Nov 2025 12:01  
 Operator : JC\MD  
 Sample : PB170463TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB170463TB

Quant Time: Nov 12 01:13:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

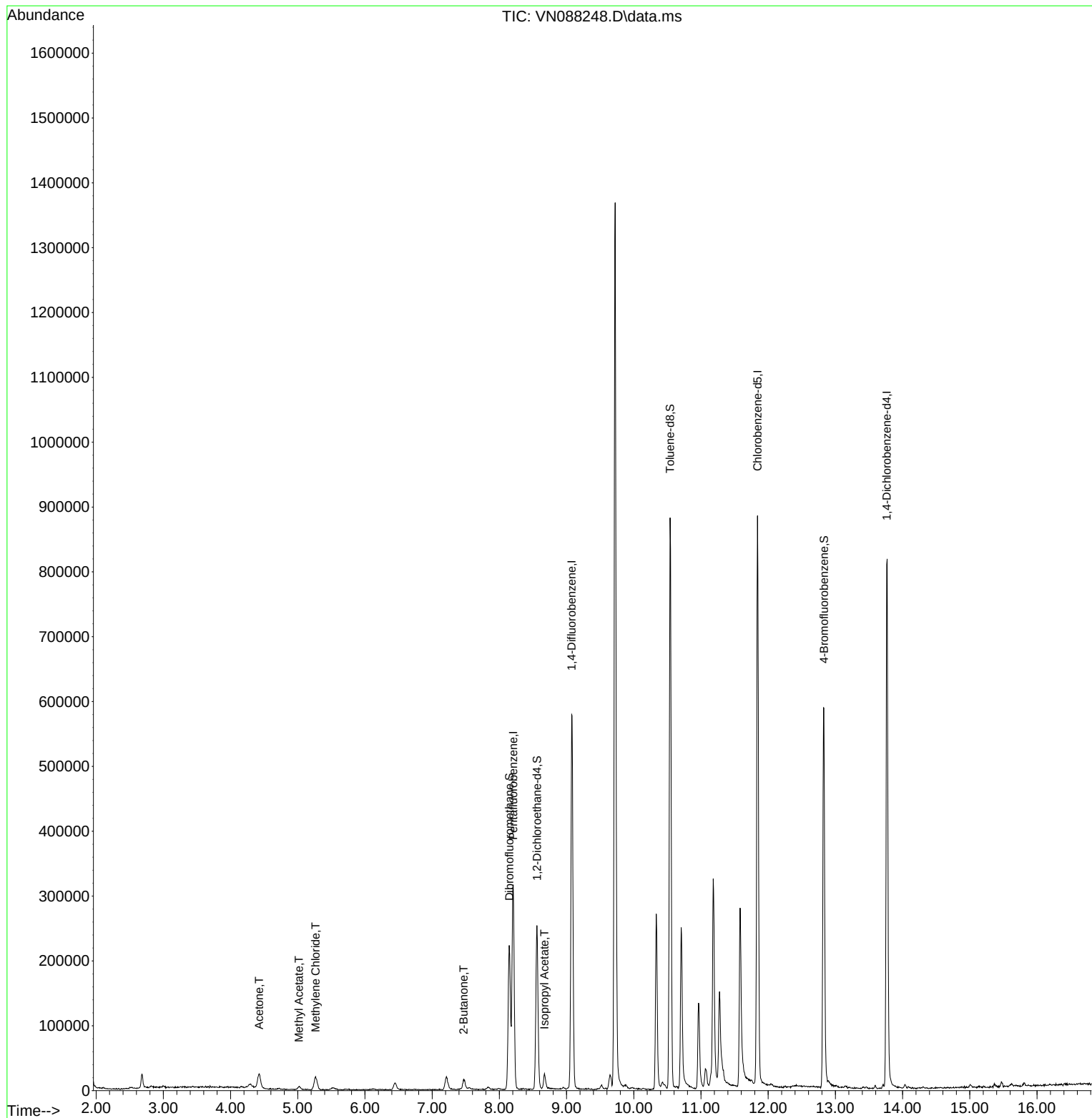
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|--------|----------|----------|
| -----                       |           |                |          |        |          |          |
| Internal Standards          |           |                |          |        |          |          |
| 1) Pentafluorobenzene       | 8.206     | 168            | 211800   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.077     | 114            | 483671   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.841    | 117            | 464719   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.764    | 152            | 215299   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.559     | 65             | 208975   | 57.059 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | =      | 114.120% |          |
| 35) Dibromofluoromethane    | 8.147     | 113            | 157643   | 48.516 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | =      | 97.040%  |          |
| 50) Toluene-d8              | 10.541    | 98             | 582810   | 46.550 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | =      | 93.100%  |          |
| 62) 4-Bromofluorobenzene    | 12.829    | 95             | 220104   | 49.778 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | =      | 99.560%  |          |
| Target Compounds            |           |                |          |        |          |          |
|                             |           |                |          |        | Qvalue   |          |
| 16) Acetone                 | 4.424     | 43             | 47543    | 25.839 | ug/l     | 97       |
| 18) Methyl Acetate          | 5.018     | 43             | 9059     | 2.405  | ug/l     | 98       |
| 20) Methylene Chloride      | 5.265     | 84             | 14624    | 4.735  | ug/l     | 95       |
| 25) 2-Butanone              | 7.471     | 43             | 27500    | 11.341 | ug/l     | 97       |
| 43) Isopropyl Acetate       | 8.671     | 43             | 27166    | 2.888  | ug/l #   | 92       |
| -----                       |           |                |          |        |          |          |

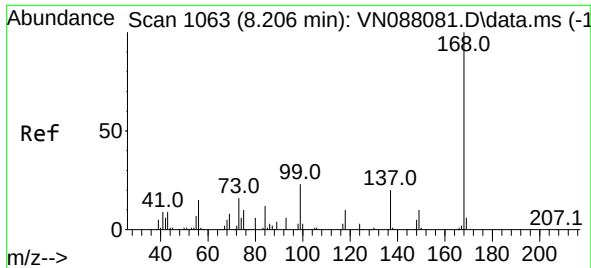
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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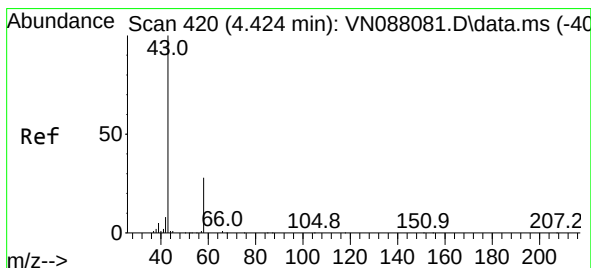
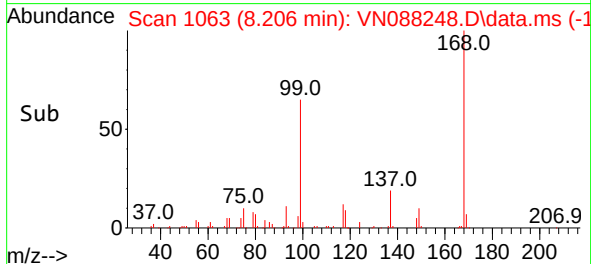
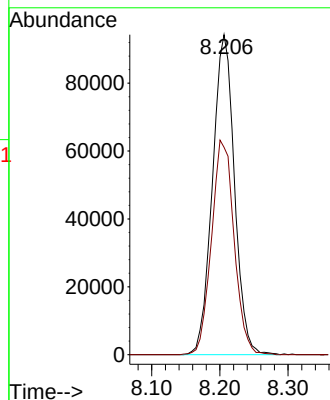
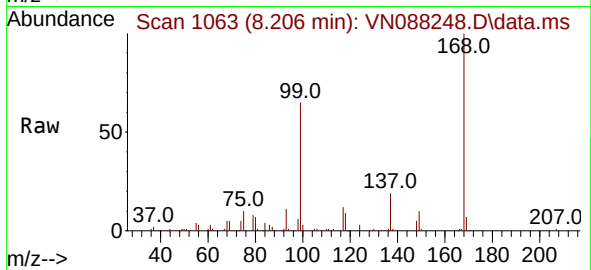




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

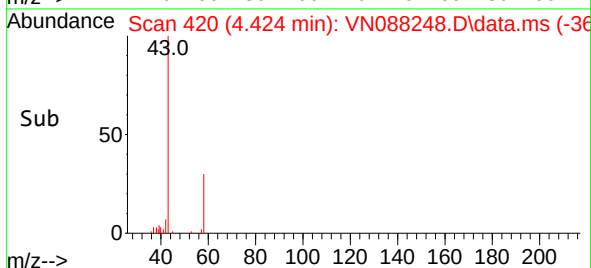
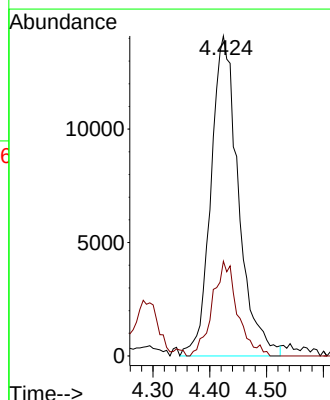
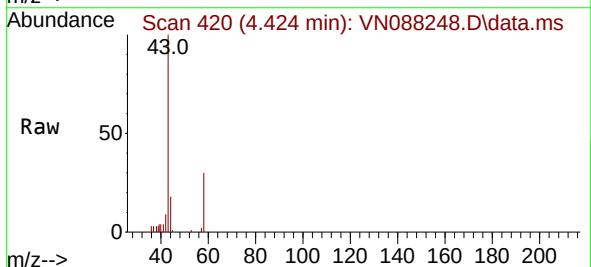
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB170463TB

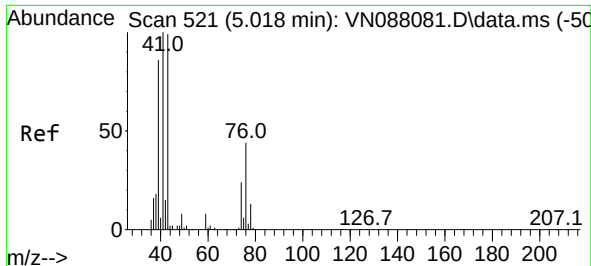
Tgt Ion:168 Resp: 211800  
Ion Ratio Lower Upper  
168 100  
99 64.8 57.2 85.8



#16  
Acetone  
Concen: 25.839 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

Tgt Ion: 43 Resp: 47543  
Ion Ratio Lower Upper  
43 100  
58 29.6 22.6 33.8

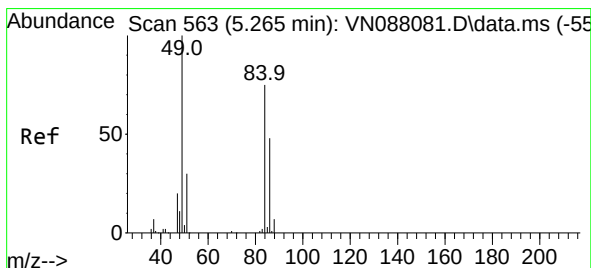
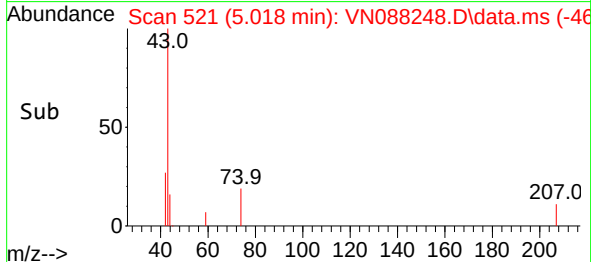
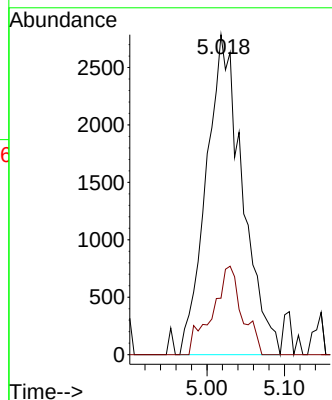
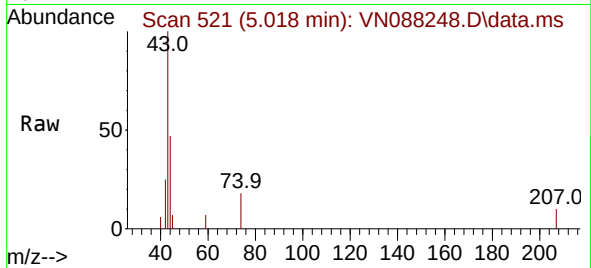




#18  
Methyl Acetate  
Concen: 2.405 ug/l  
RT: 5.018 min Scan# 518  
Delta R.T. 0.006 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

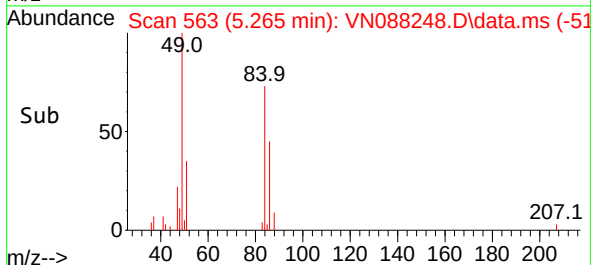
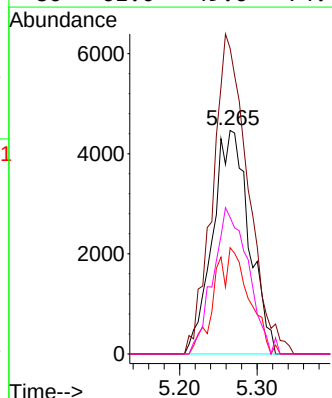
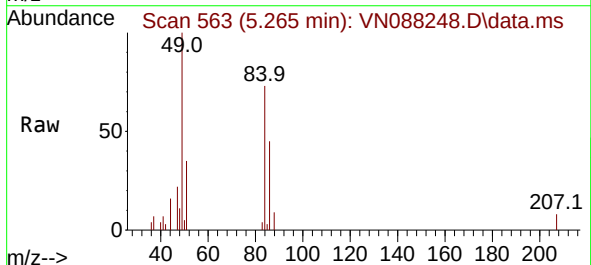
Instrument :  
MSVOA\_N  
ClientSampleId :  
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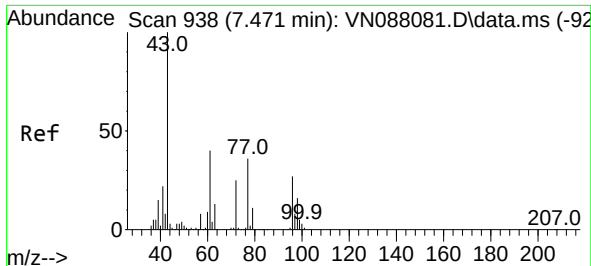
Tgt Ion: 43 Resp: 9059  
Ion Ratio Lower Upper  
43 100  
74 22.7 17.6 26.4



#20  
Methylene Chloride  
Concen: 4.735 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

Tgt Ion: 84 Resp: 14624  
Ion Ratio Lower Upper  
84 100  
49 136.6 103.4 155.2  
51 47.5 33.8 50.8  
86 61.0 49.6 74.4

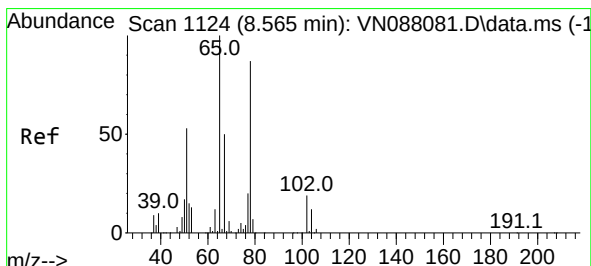
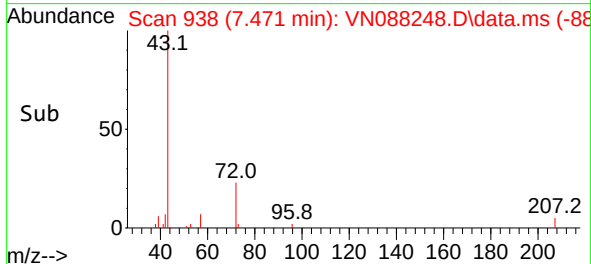
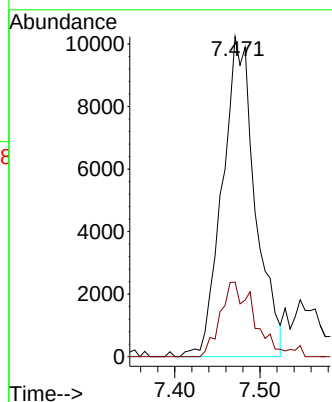
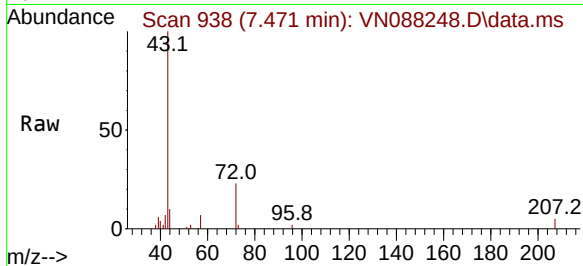




#25  
2-Butanone  
Concen: 11.341 ug/l  
RT: 7.471 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

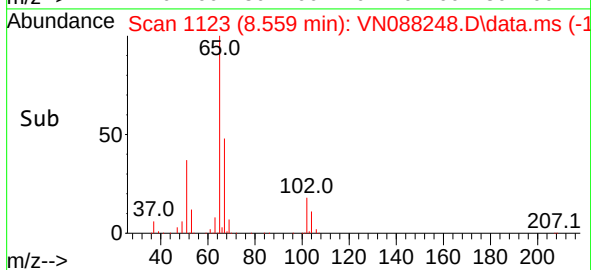
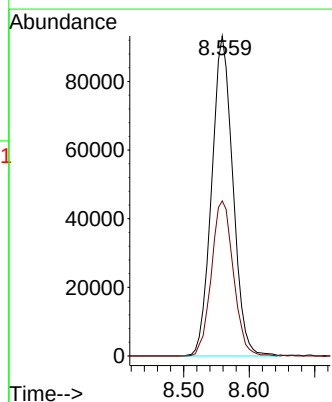
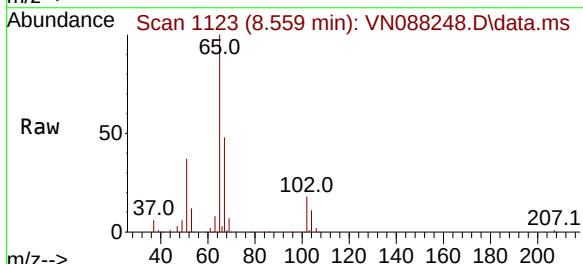
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB170463TB

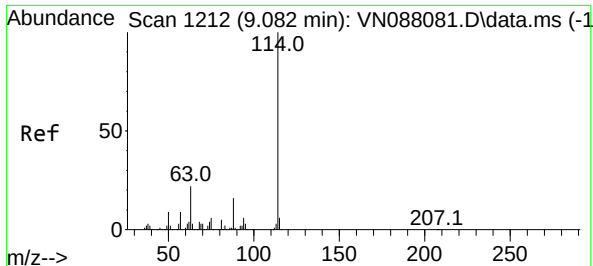
Tgt Ion: 43 Resp: 27500  
Ion Ratio Lower Upper  
43 100  
72 23.3 19.9 29.9



#33  
1,2-Dichloroethane-d4  
Concen: 57.059 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

Tgt Ion: 65 Resp: 208975  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088248.D

Acq: 11 Nov 2025 12:01

Instrument :

MSVOA\_N

ClientSampleId :

PB170463TB

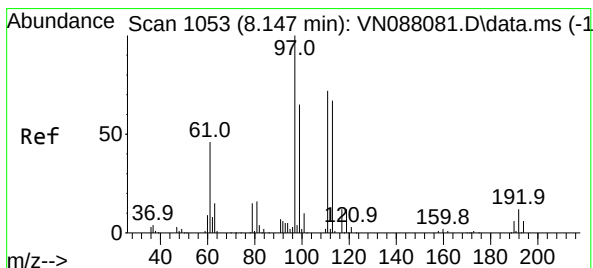
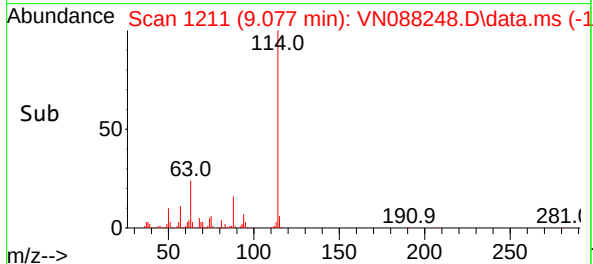
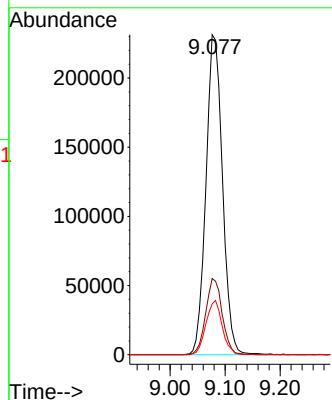
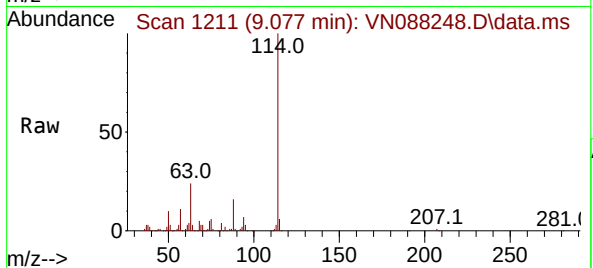
Tgt Ion:114 Resp: 483671

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.516 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088248.D

Acq: 11 Nov 2025 12:01

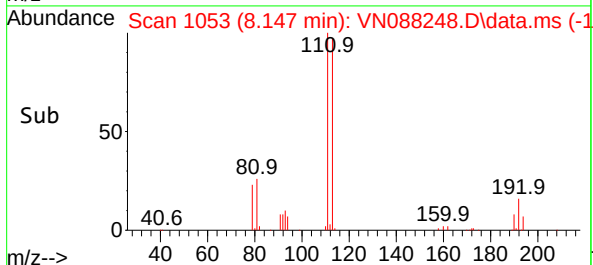
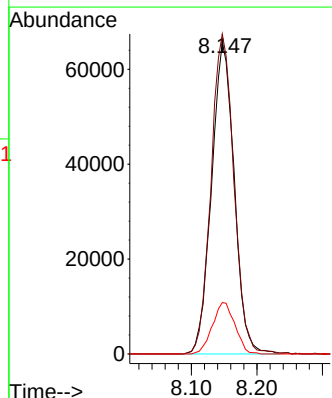
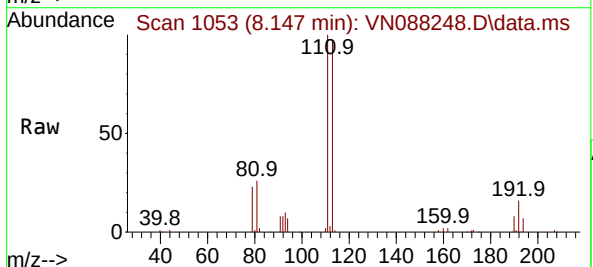
Tgt Ion:113 Resp: 157643

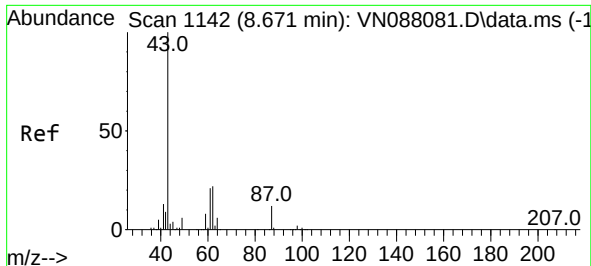
Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 16.4 12.8 19.2

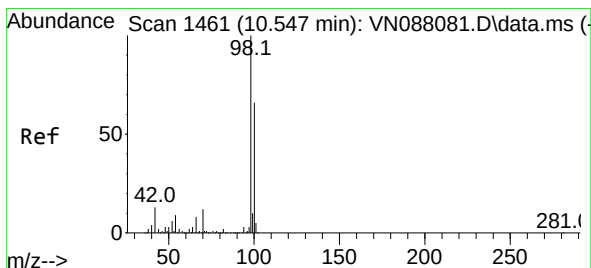
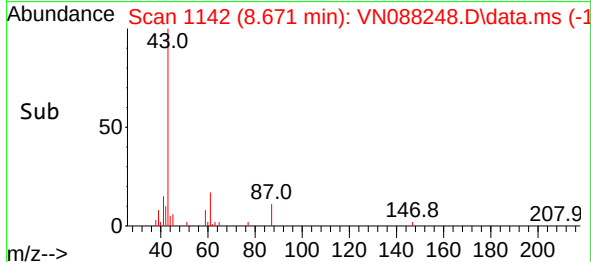
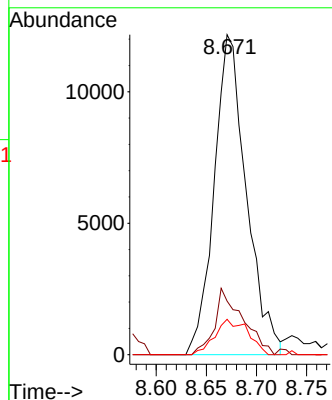
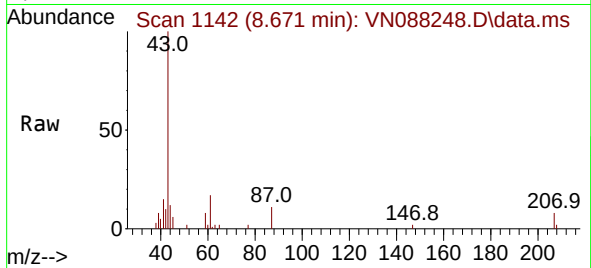




#43  
Isopropyl Acetate  
Concen: 2.888 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

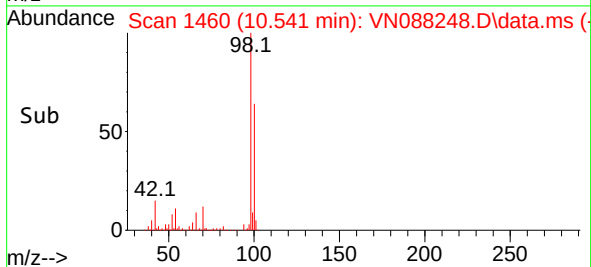
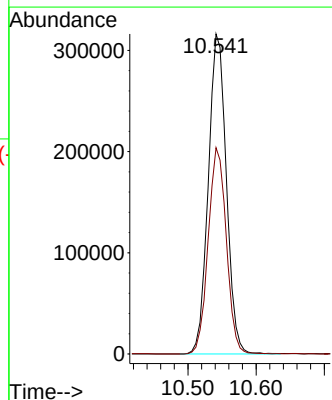
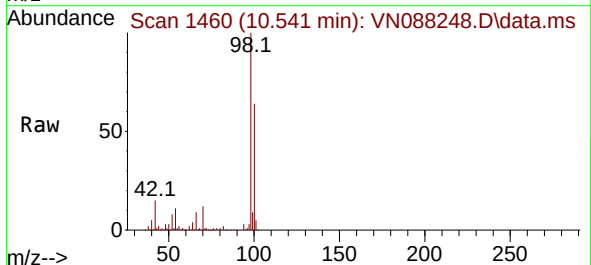
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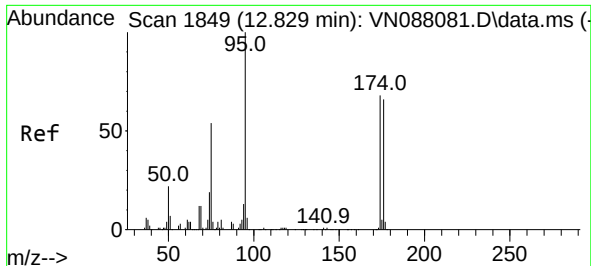
Tgt Ion: 43 Resp: 27166  
Ion Ratio Lower Upper  
43 100  
61 18.2 18.8 28.2#  
87 11.3 9.6 14.4



#50  
Toluene-d8  
Concen: 46.550 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

Tgt Ion: 98 Resp: 582810  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.8 79.2

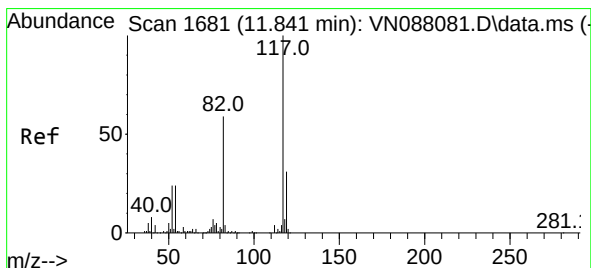
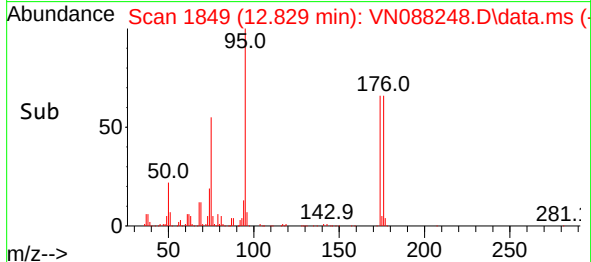
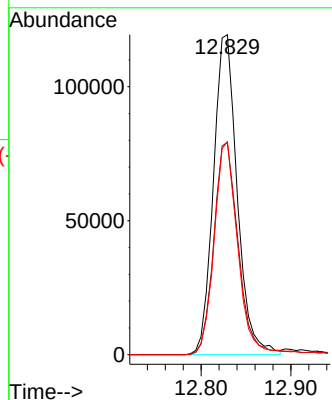
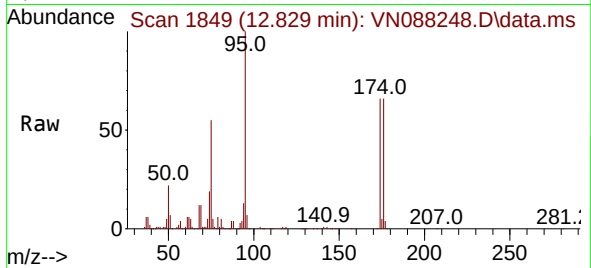




#62  
4-Bromofluorobenzene  
Concen: 49.778 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

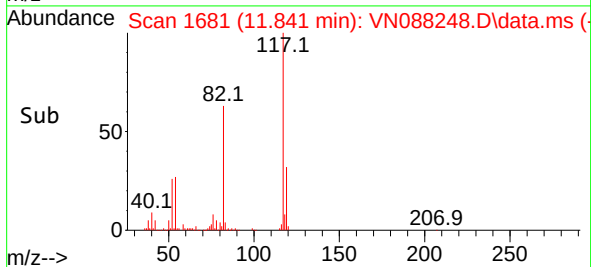
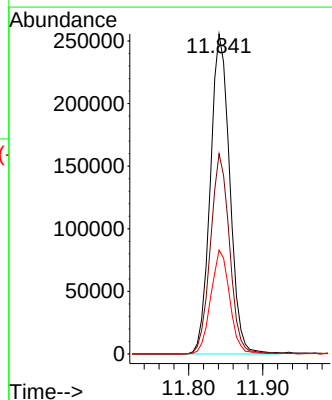
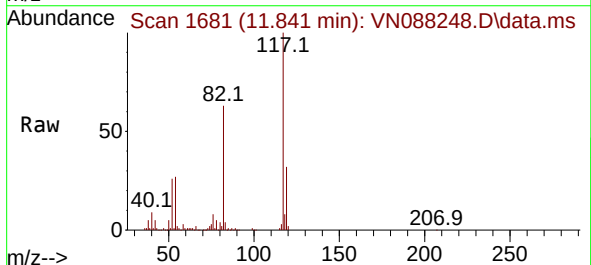
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Tgt Ion: 95 Resp: 220104  
Ion Ratio Lower Upper  
95 100  
174 68.5 0.0 138.4  
176 66.7 0.0 132.6

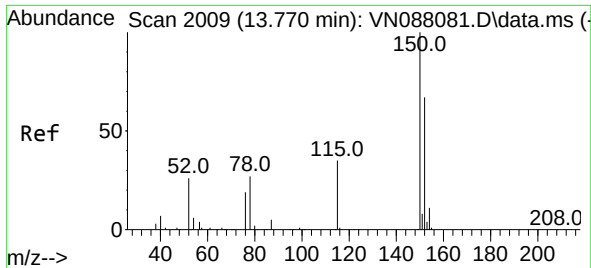


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VN088248.D  
Acq: 11 Nov 2025 12:01

Tgt Ion: 117 Resp: 464719  
Ion Ratio Lower Upper  
117 100  
82 62.6 47.4 71.2  
119 32.4 24.3 36.5

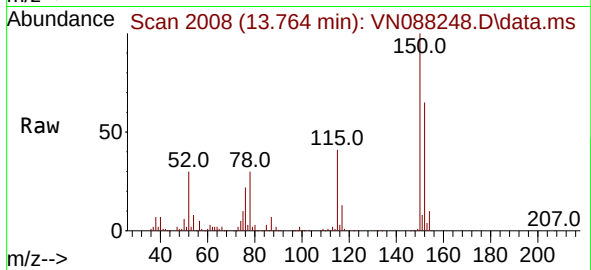






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.764 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN088248.D  
 Acq: 11 Nov 2025 12:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB170463TB



Tgt Ion:152 Resp: 215299  
 Ion Ratio Lower Upper  
 152 100  
 115 65.9 32.3 96.8  
 150 162.5 0.0 351.0

