

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111825\  
 Data File : VN088306.D  
 Acq On : 18 Nov 2025 10:21  
 Operator : JC\MD  
 Sample : VN1118MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBL01

Quant Time: Nov 19 03:30:34 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   | 196384   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.083  | 114   | 431290   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.841 | 117   | 418722   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.771 | 152   | 197214   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 177378   | 52.233   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 104.460% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 139211   | 48.046   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 96.100%  |
| 50) Toluene-d8              | 10.547 | 98    | 498008   | 44.607   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 89.220%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 175493   | 44.510   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 89.020%  |

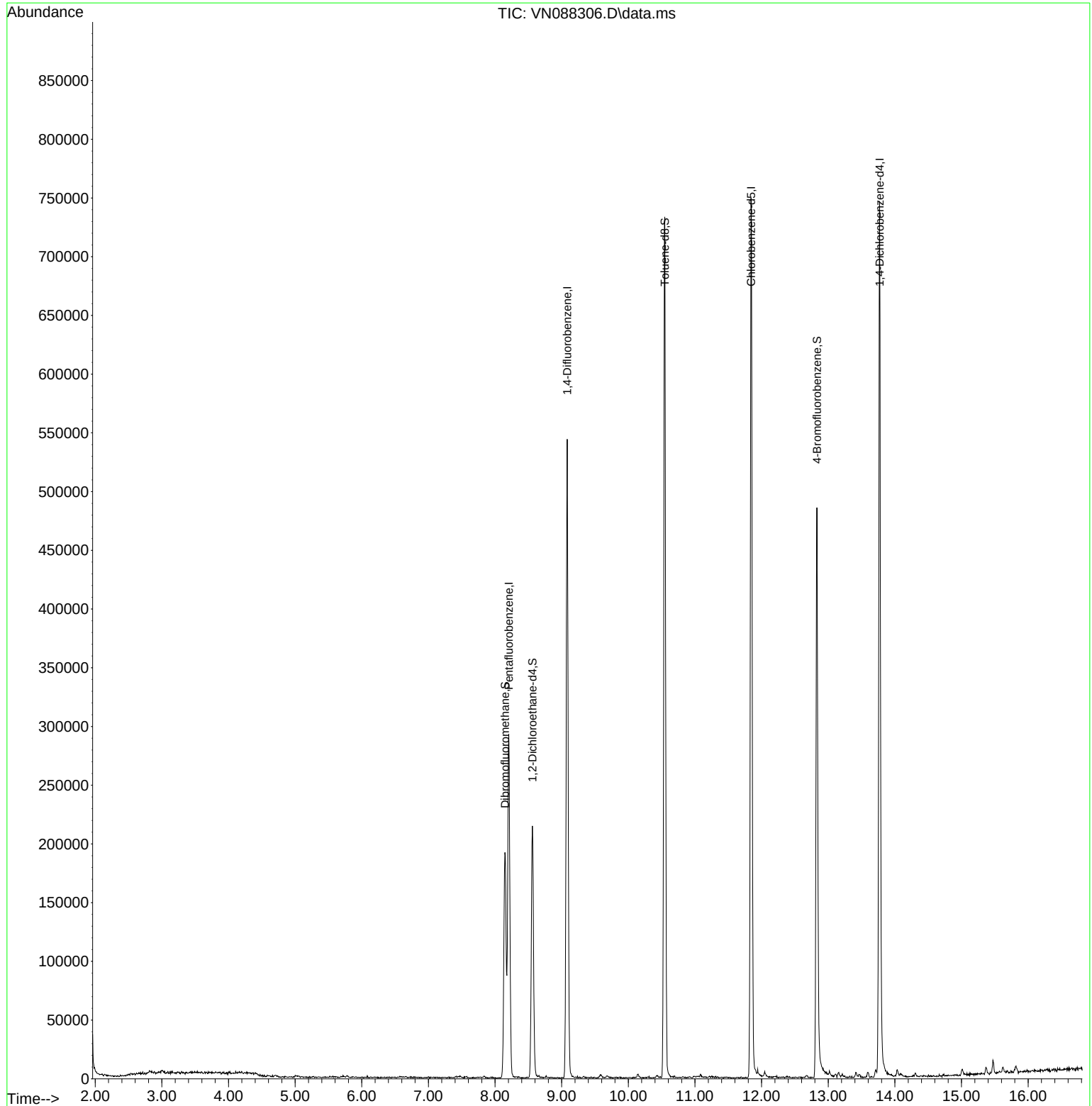
Target Compounds Qvalue

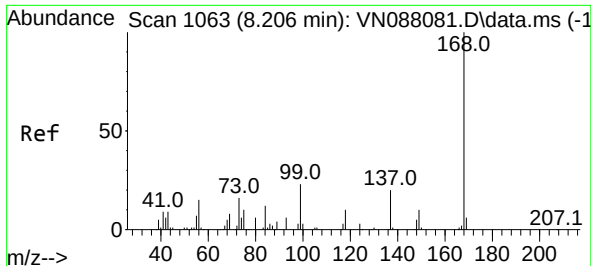
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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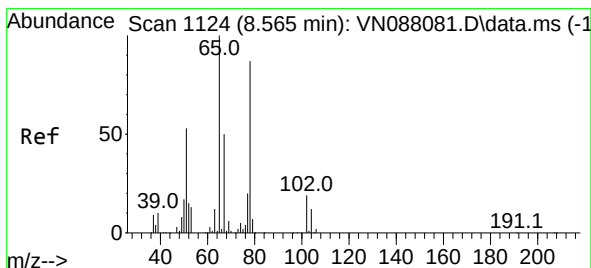
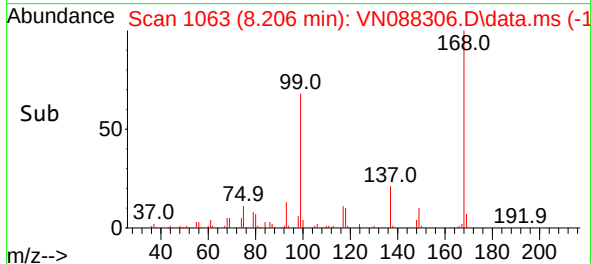
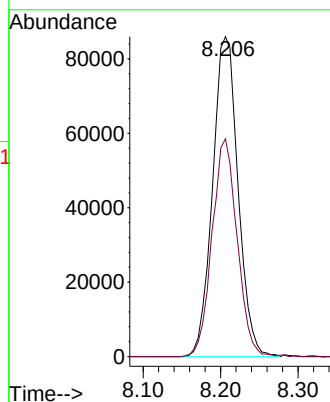
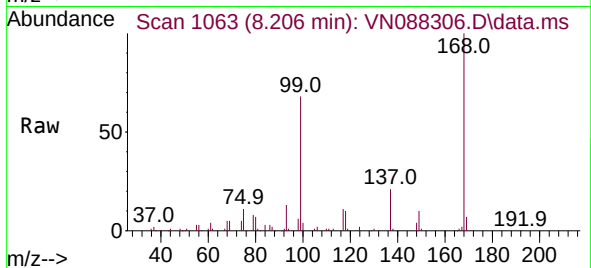




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088306.D  
Acq: 18 Nov 2025 10:21

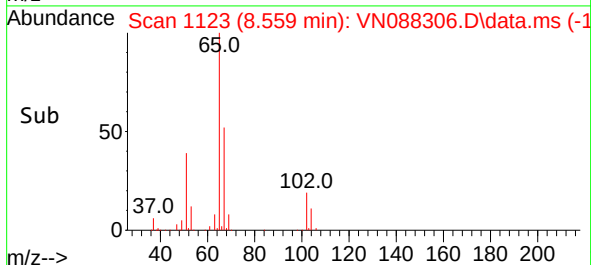
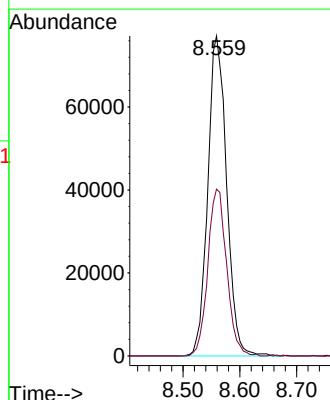
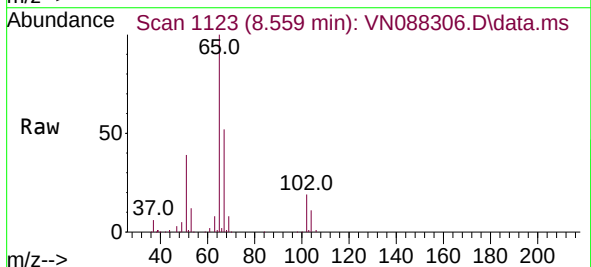
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBL01

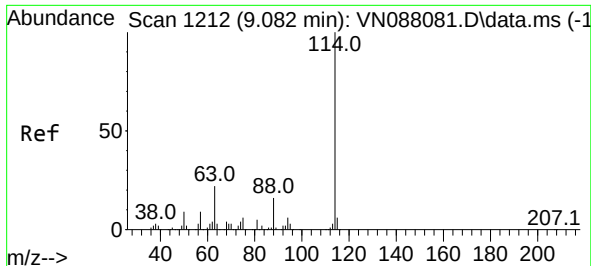
Tgt Ion:168 Resp: 196384  
Ion Ratio Lower Upper  
168 100  
99 68.1 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 52.233 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088306.D  
Acq: 18 Nov 2025 10:21

Tgt Ion: 65 Resp: 177378  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088306.D

Acq: 18 Nov 2025 10:21

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBL01

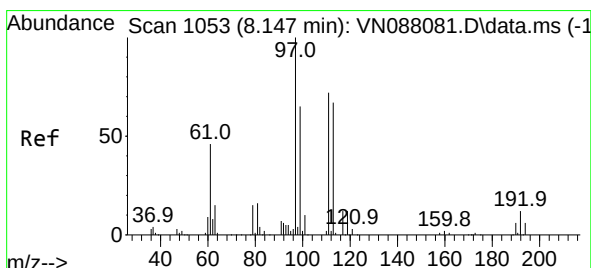
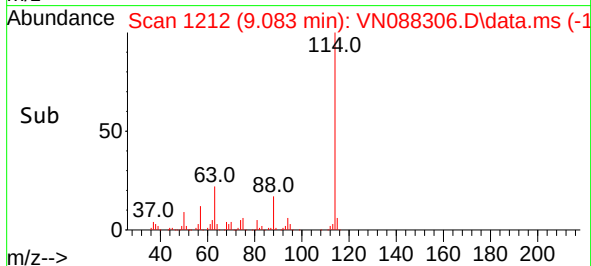
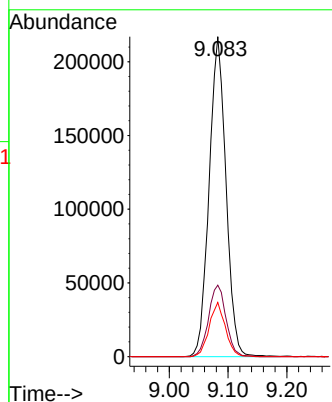
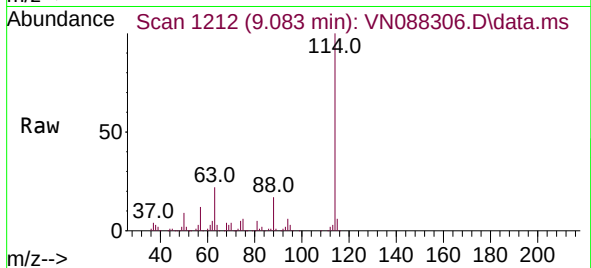
Tgt Ion:114 Resp: 431290

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 16.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.046 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088306.D

Acq: 18 Nov 2025 10:21

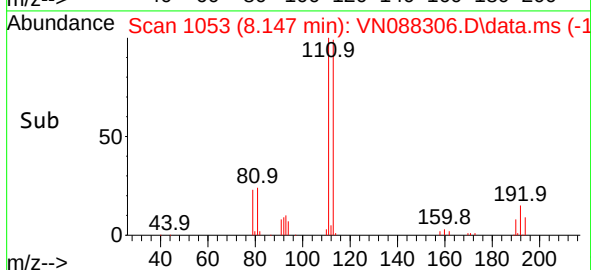
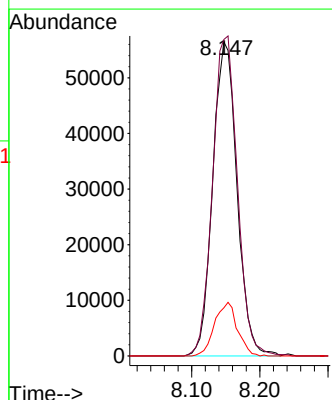
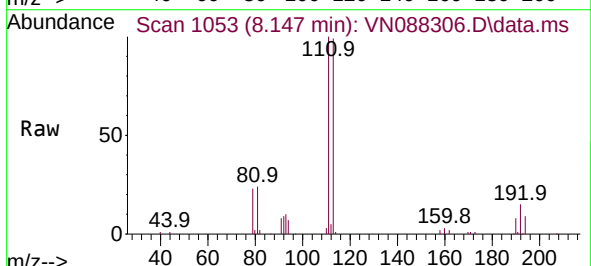
Tgt Ion:113 Resp: 139211

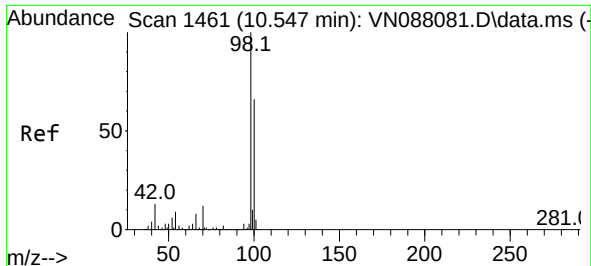
Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 16.0 12.8 19.2

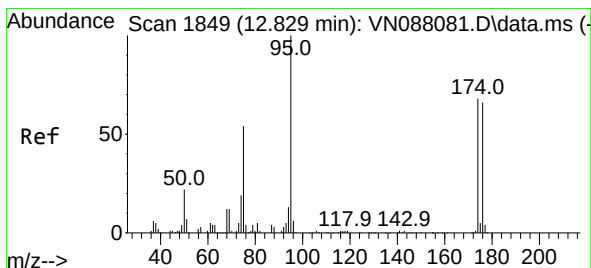
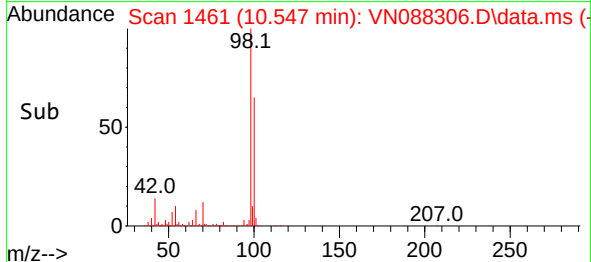
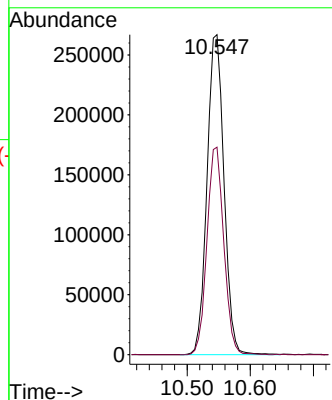
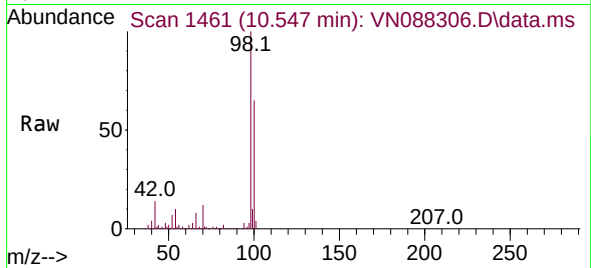




#50  
Toluene-d8  
Concen: 44.607 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN088306.D  
Acq: 18 Nov 2025 10:21

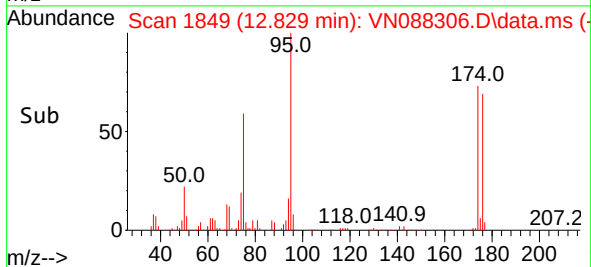
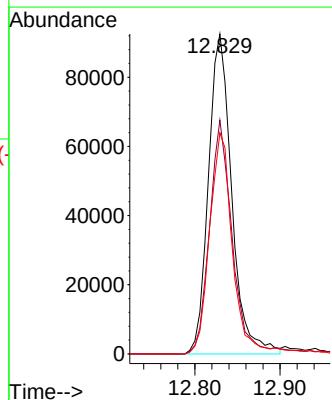
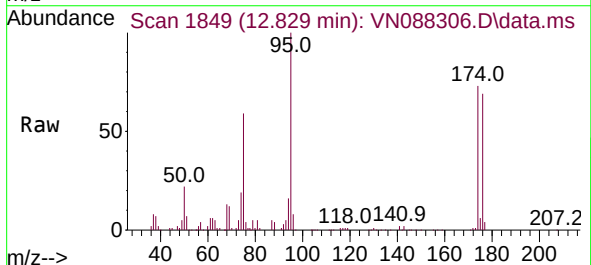
Instrument :  
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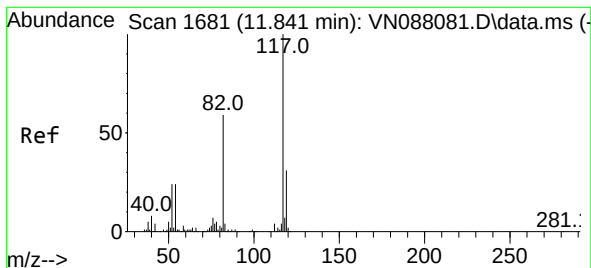
Tgt Ion: 98 Resp: 498008  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 44.510 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088306.D  
Acq: 18 Nov 2025 10:21

Tgt Ion: 95 Resp: 175493  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 138.4  
176 68.3 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: VN088306.D

Acq: 18 Nov 2025 10:21

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBL01

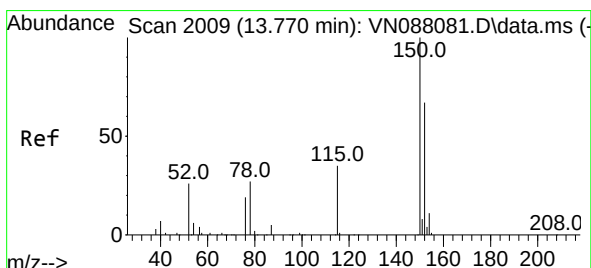
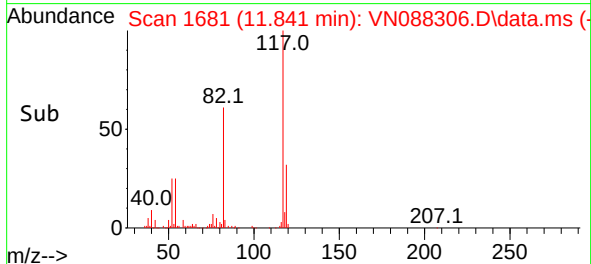
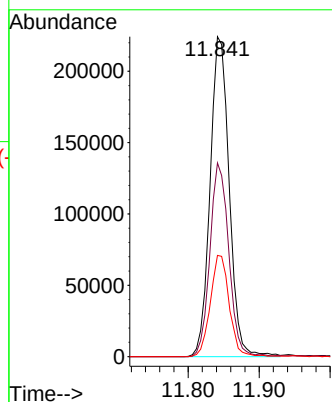
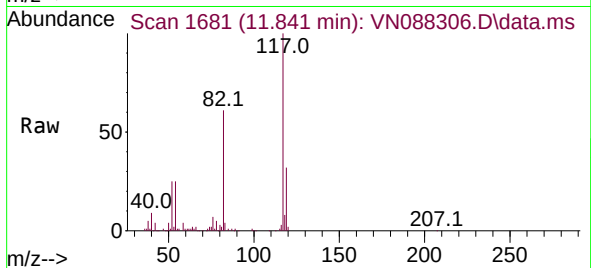
Tgt Ion:117 Resp: 418722

Ion Ratio Lower Upper

117 100

82 60.5 47.4 71.2

119 31.6 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088306.D

Acq: 18 Nov 2025 10:21

Tgt Ion:152 Resp: 197214

Ion Ratio Lower Upper

152 100

115 64.9 32.3 96.8

150 162.3 0.0 351.0

