

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111225\  
 Data File : VN088267.D  
 Acq On : 12 Nov 2025 11:01  
 Operator : JC\MD  
 Sample : VN1112WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1112WBL01

Quant Time: Nov 14 00:09:42 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  | 266382   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 599773   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 582443   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 277481   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 274023   | 59.489   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 118.980% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 201398   | 49.983   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 99.960%  |
| 50) Toluene-d8              | 10.541 | 98    | 727901   | 46.884   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.760%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 271520   | 49.520   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.040%  |

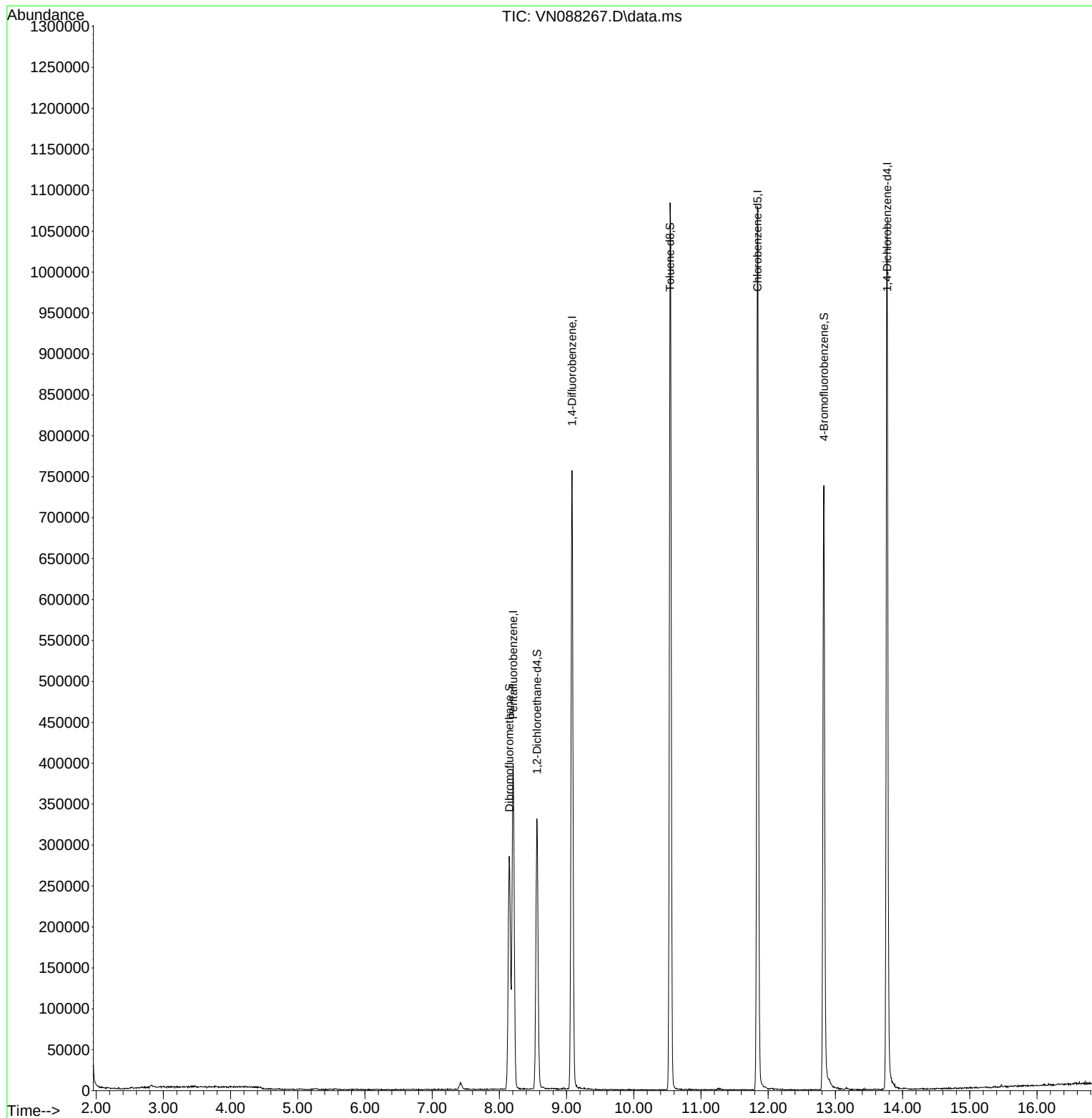
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

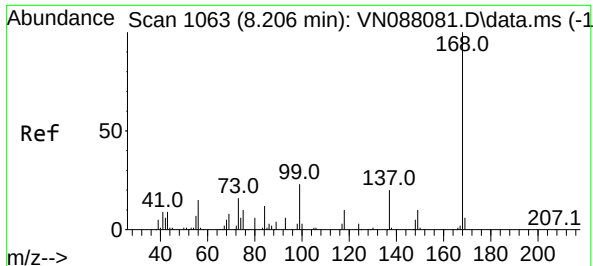
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1112WBL01

Quant Time: Nov 14 00:09:42 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

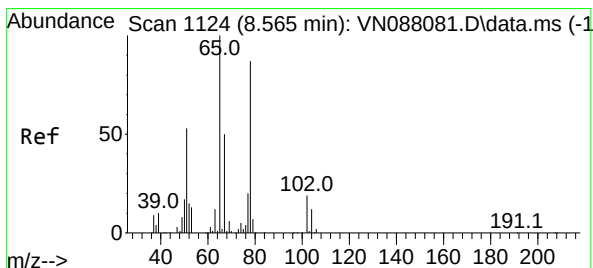
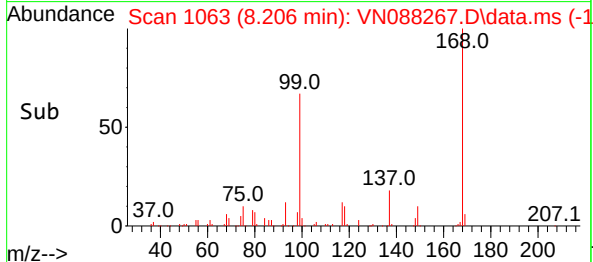
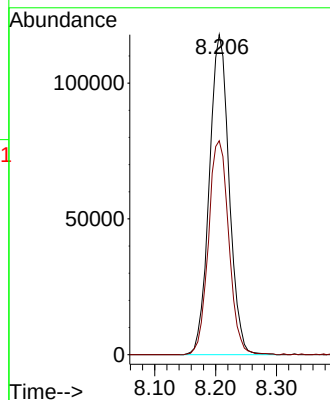
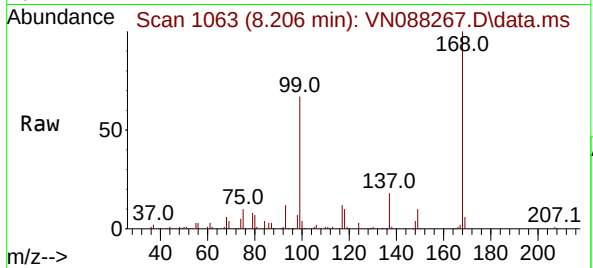




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088267.D  
Acq: 12 Nov 2025 11:01

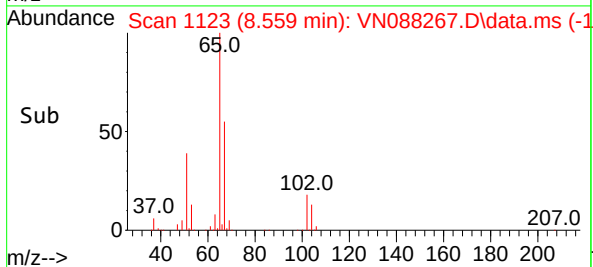
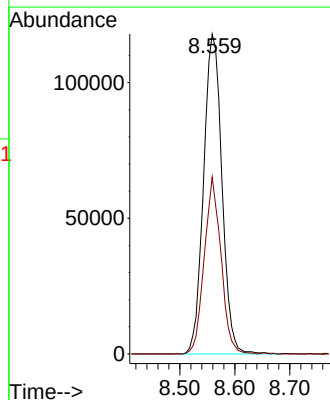
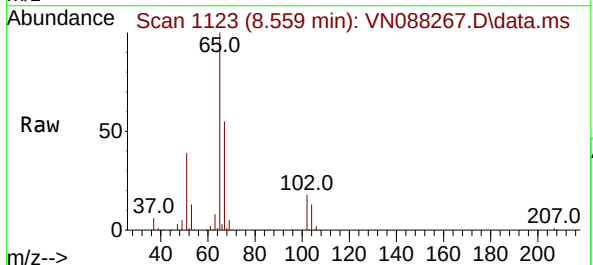
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1112WBL01

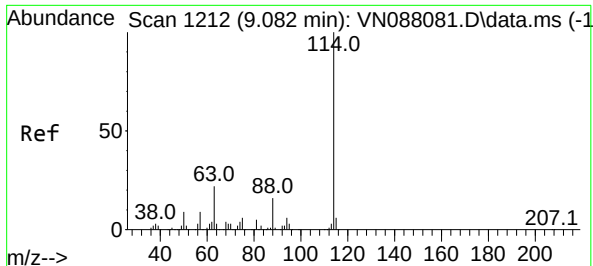
Tgt Ion:168 Resp: 266382  
Ion Ratio Lower Upper  
168 100  
99 66.8 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 59.489 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN088267.D  
Acq: 12 Nov 2025 11:01

Tgt Ion: 65 Resp: 274023  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088267.D

Acq: 12 Nov 2025 11:01

Instrument :

MSVOA\_N

ClientSampleId :

VN1112WBL01

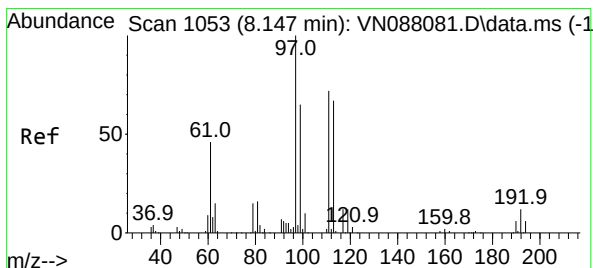
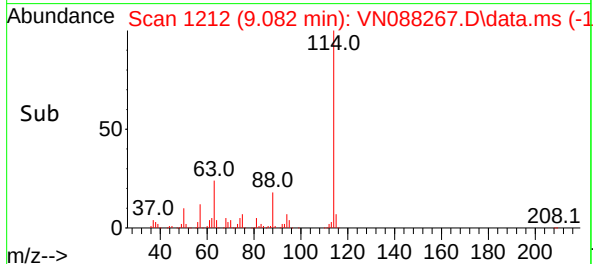
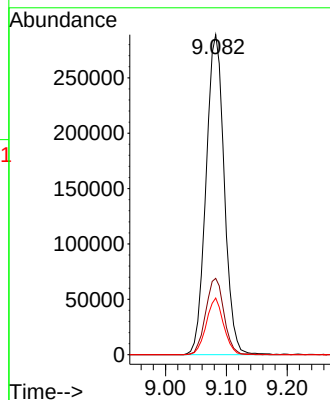
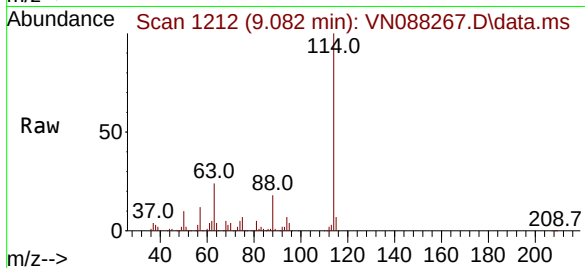
Tgt Ion:114 Resp: 599773

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 17.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.983 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088267.D

Acq: 12 Nov 2025 11:01

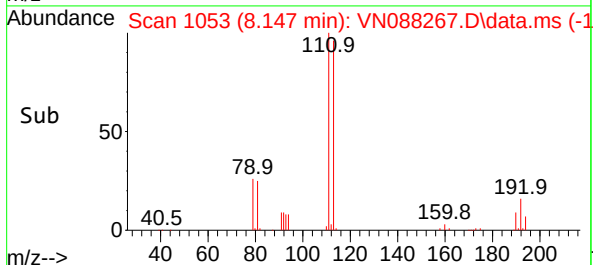
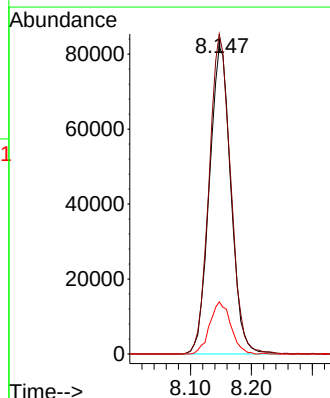
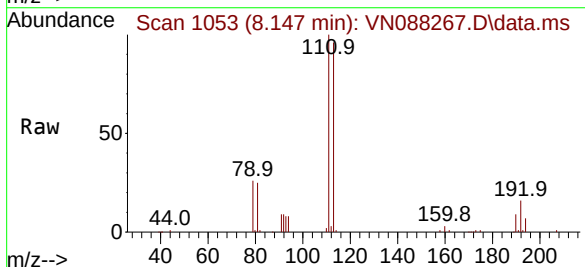
Tgt Ion:113 Resp: 201398

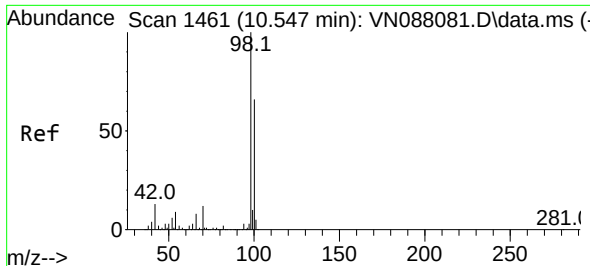
Ion Ratio Lower Upper

113 100

111 104.1 82.8 124.2

192 16.6 12.8 19.2

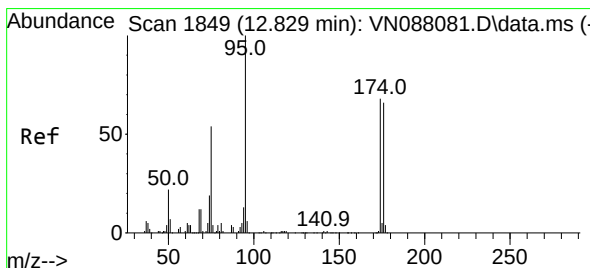
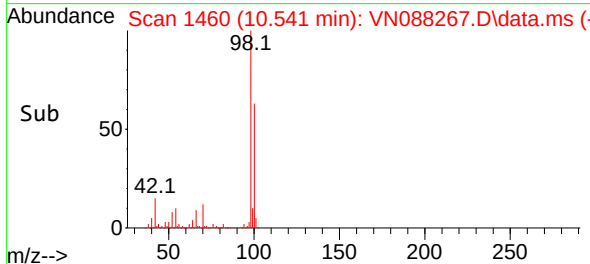
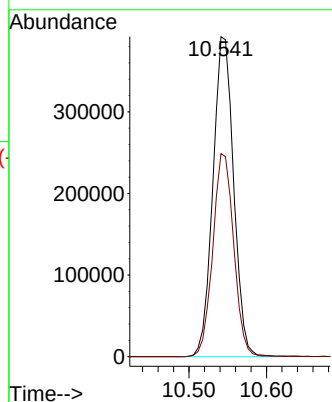
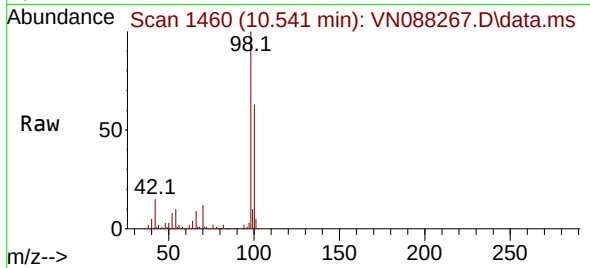




#50  
Toluene-d8  
Concen: 46.884 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088267.D  
Acq: 12 Nov 2025 11:01

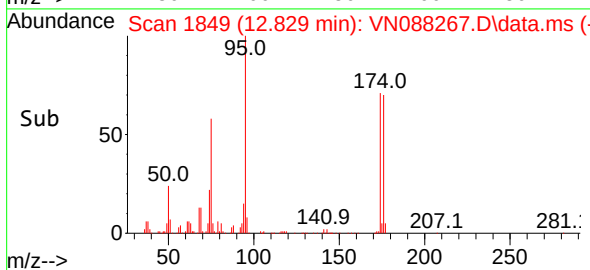
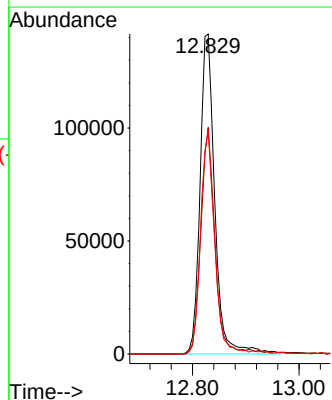
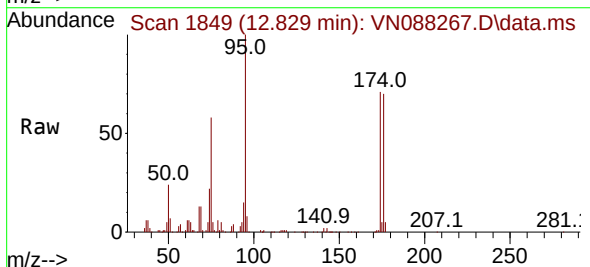
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1112WBL01

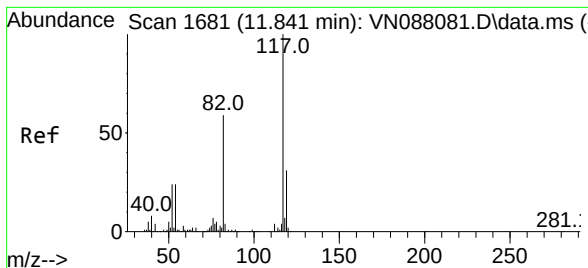
Tgt Ion: 98 Resp: 727901  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 49.520 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088267.D  
Acq: 12 Nov 2025 11:01

Tgt Ion: 95 Resp: 271520  
Ion Ratio Lower Upper  
95 100  
174 66.5 0.0 138.4  
176 66.3 0.0 132.6

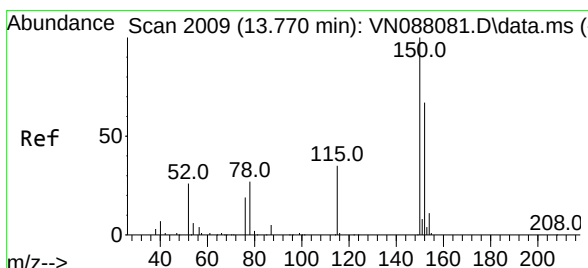
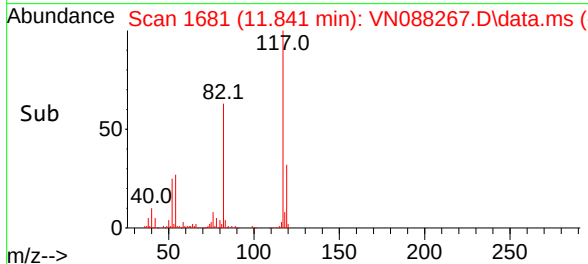
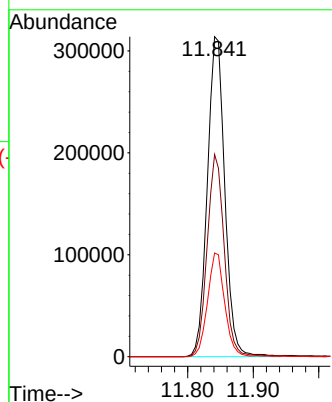
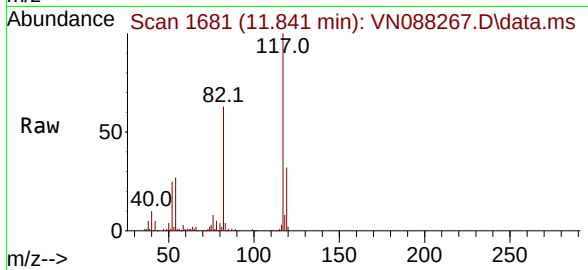




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN088267.D  
Acq: 12 Nov 2025 11:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1112WBL01

Tgt Ion:117 Resp: 582443  
Ion Ratio Lower Upper  
117 100  
82 63.2 47.4 71.2  
119 32.4 24.3 36.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN088267.D  
Acq: 12 Nov 2025 11:01

Tgt Ion:152 Resp: 277481  
Ion Ratio Lower Upper  
152 100  
115 65.4 32.3 96.8  
150 158.3 0.0 351.0

