

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120125\  
 Data File : VN088388.D  
 Acq On : 01 Dec 2025 16:58  
 Operator : JC\MD  
 Sample : Q3745-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Dec 02 00:17:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 164864   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 373762   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 364230   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 171972   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 183192   | 58.986   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 117.980% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 138321   | 53.403   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 106.800% |
| 50) Toluene-d8              | 10.541 | 98    | 482238   | 50.038   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.080% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 175267   | 53.003   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 106.000% |

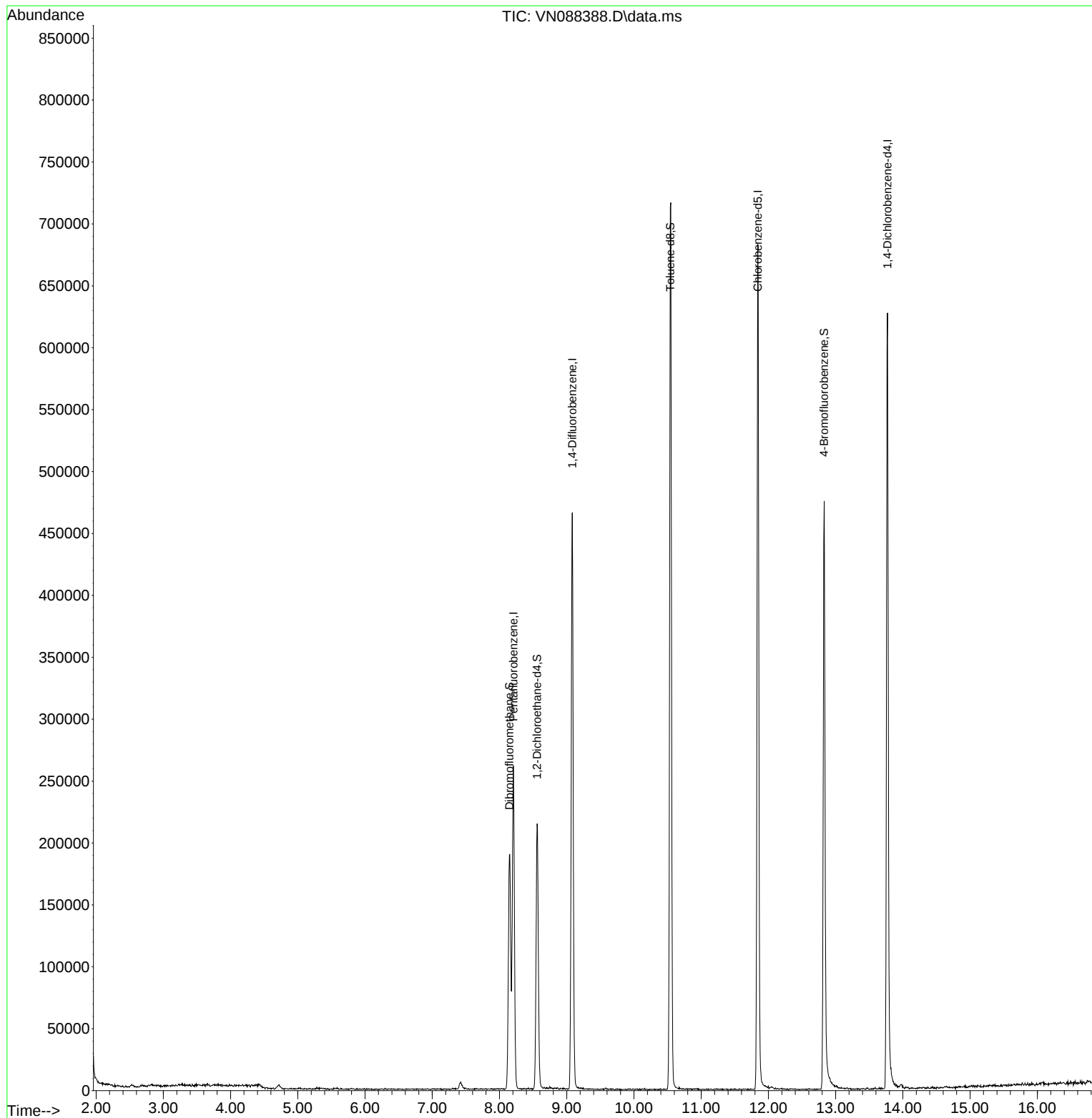
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

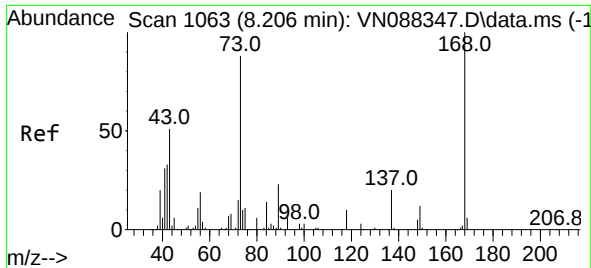
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

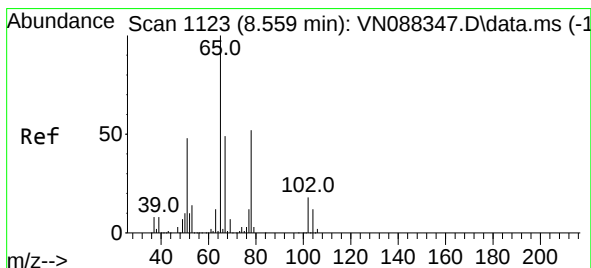
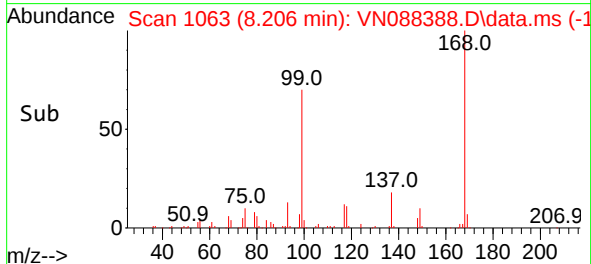
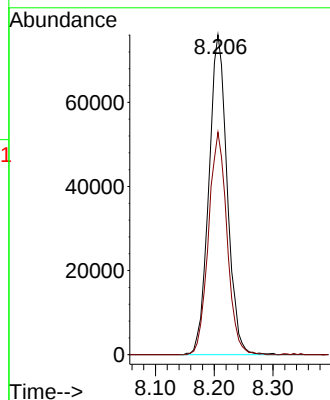
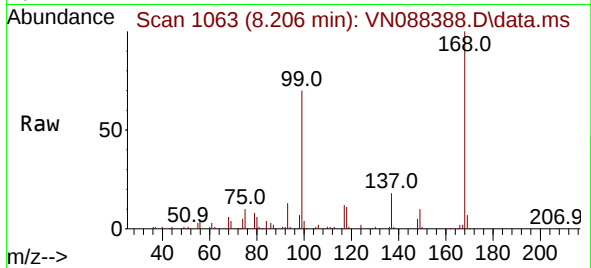




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088388.D  
Acq: 01 Dec 2025 16:58

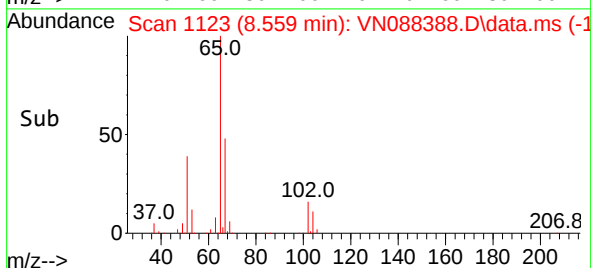
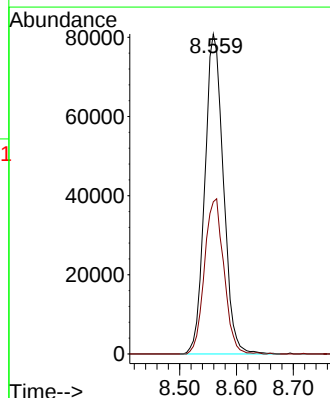
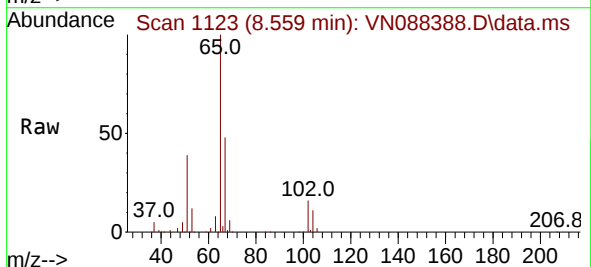
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

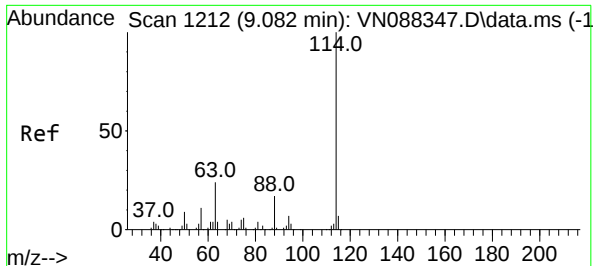
Tgt Ion:168 Resp: 164864  
Ion Ratio Lower Upper  
168 100  
99 69.5 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 58.986 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088388.D  
Acq: 01 Dec 2025 16:58

Tgt Ion: 65 Resp: 183192  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088388.D

Acq: 01 Dec 2025 16:58

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

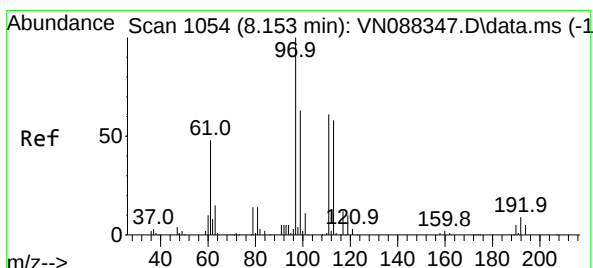
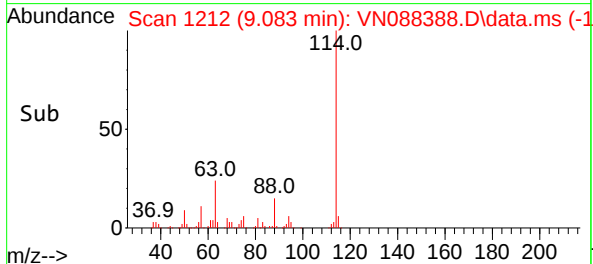
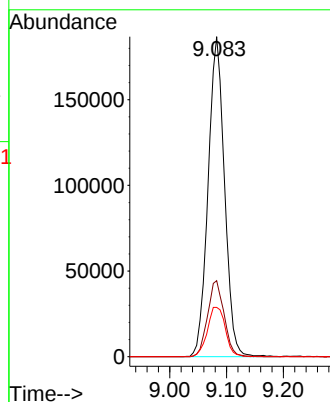
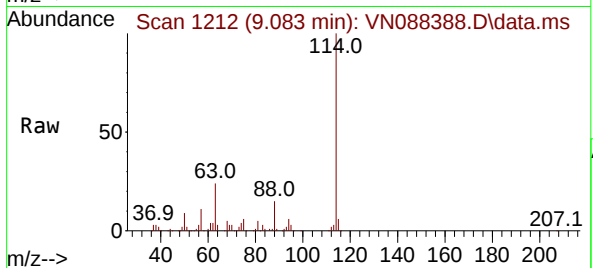
Tgt Ion:114 Resp: 373762

Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.0

88 15.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.403 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088388.D

Acq: 01 Dec 2025 16:58

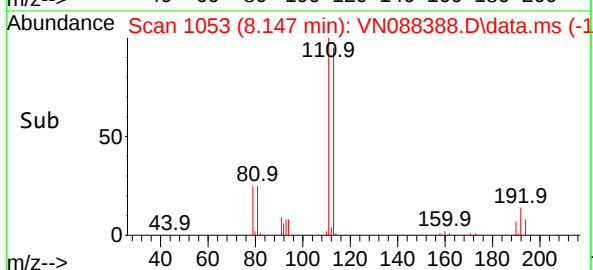
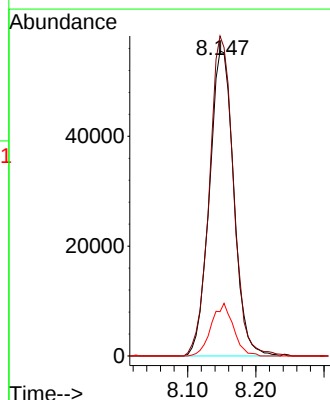
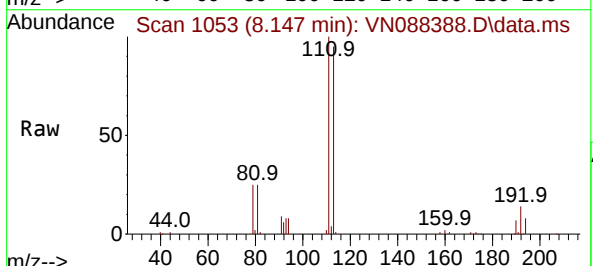
Tgt Ion:113 Resp: 138321

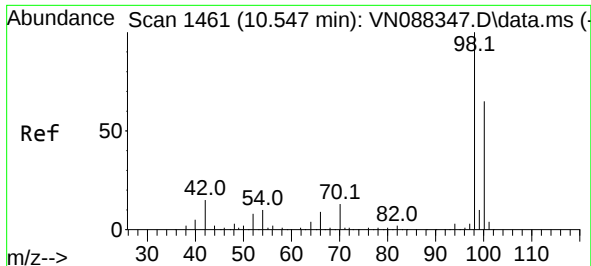
Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 15.7 12.8 19.2

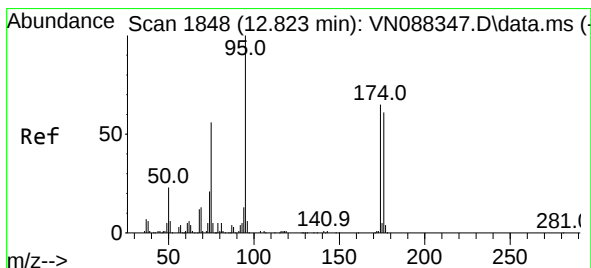
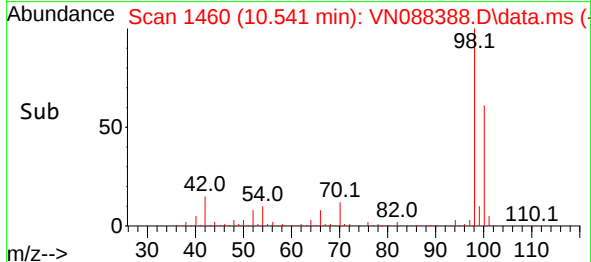
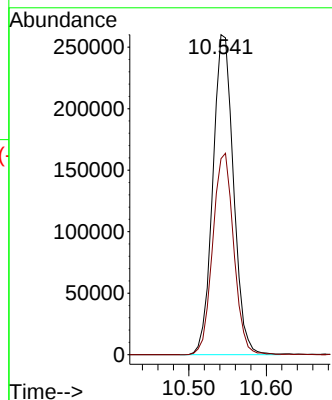
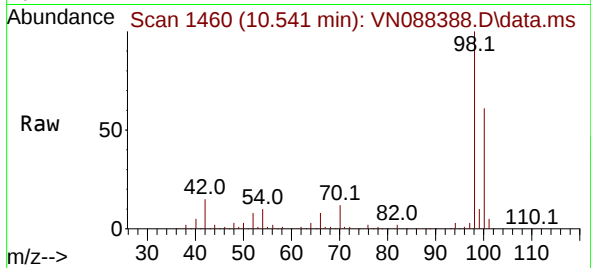




#50  
Toluene-d8  
Concen: 50.038 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088388.D  
Acq: 01 Dec 2025 16:58

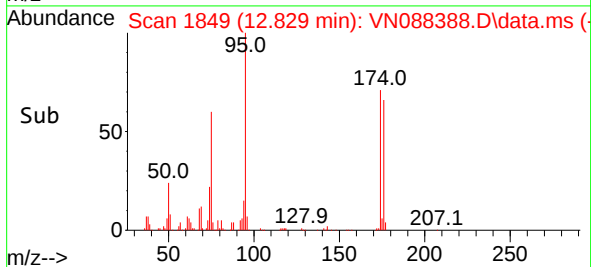
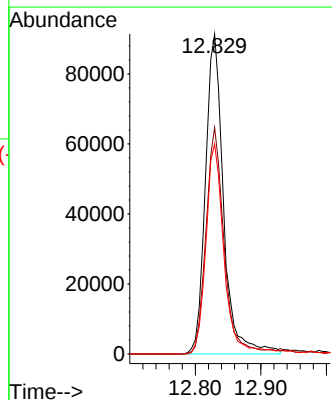
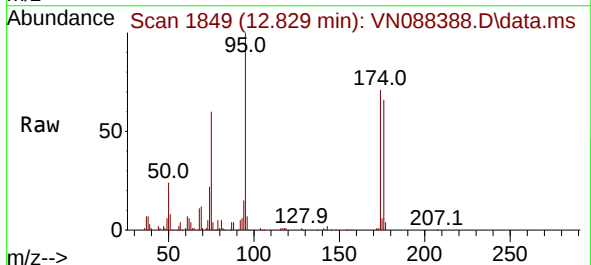
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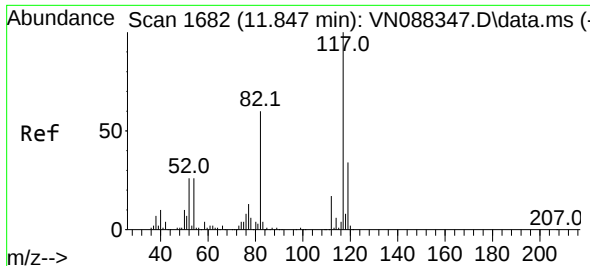
Tgt Ion: 98 Resp: 482238  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 53.003 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088388.D  
Acq: 01 Dec 2025 16:58

Tgt Ion: 95 Resp: 175267  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 139.0  
176 66.4 0.0 132.4

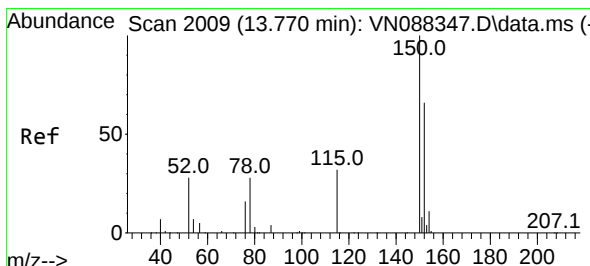
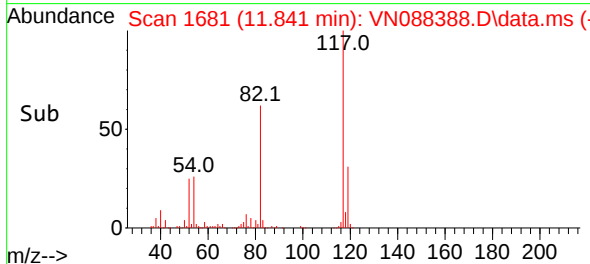
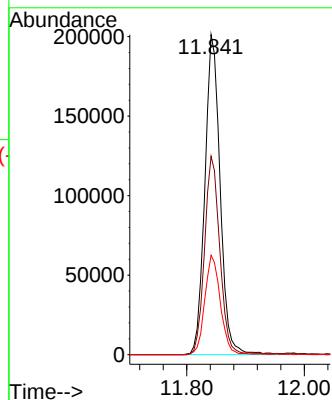
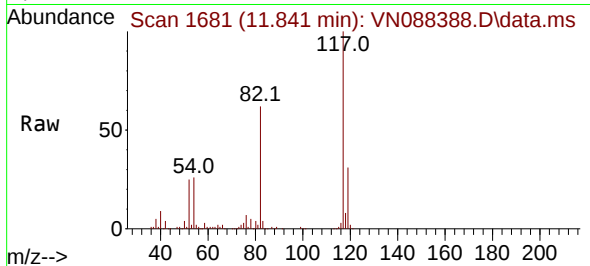




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN088388.D  
Acq: 01 Dec 2025 16:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 364230  
Ion Ratio Lower Upper  
117 100  
82 62.0 47.8 71.8  
119 31.1 26.9 40.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.771 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VN088388.D  
Acq: 01 Dec 2025 16:58

Tgt Ion:152 Resp: 171972  
Ion Ratio Lower Upper  
152 100  
115 64.1 33.0 98.9  
150 156.2 0.0 349.0

