

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120125\  
 Data File : VN088376.D  
 Acq On : 01 Dec 2025 12:51  
 Operator : JC\MD  
 Sample : Q3741-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-1

Quant Time: Dec 02 00:12:29 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  | 190816   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 417130   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 399475   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 192688   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 195284   | 54.327   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 108.660% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 149281   | 51.642   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.280% |
| 50) Toluene-d8              | 10.547 | 98    | 542248   | 50.415   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.840% |
| 62) 4-Bromofluorobenzene    | 12.823 | 95    | 200961   | 54.454   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 108.900% |

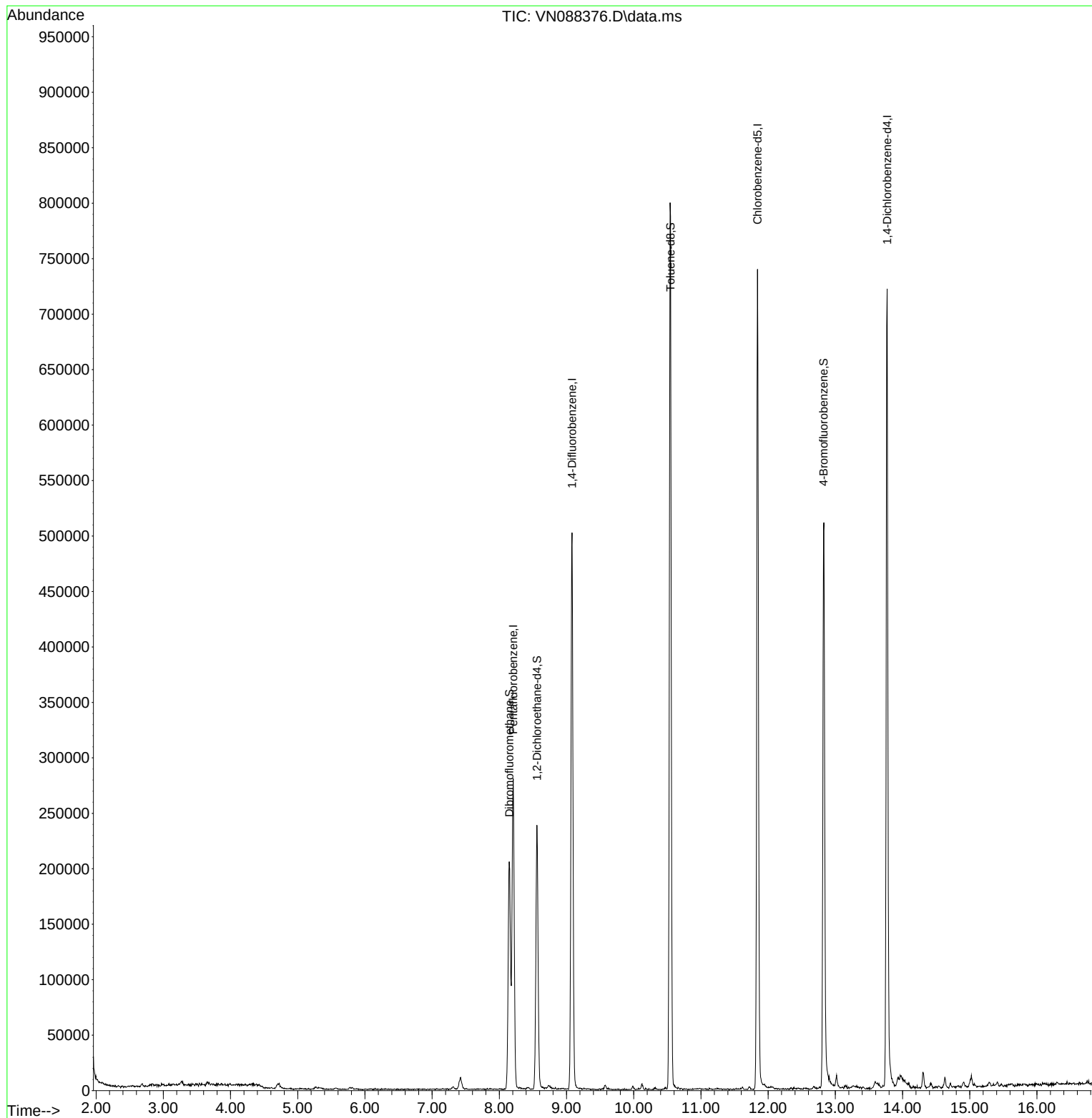
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

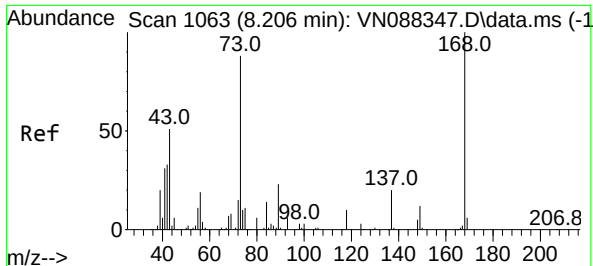
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

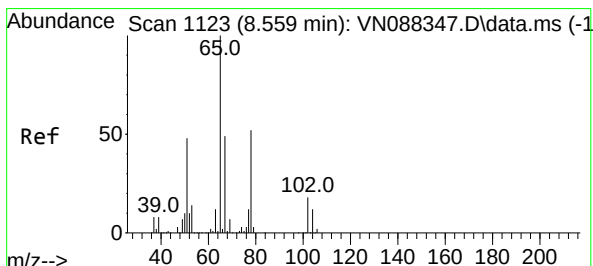
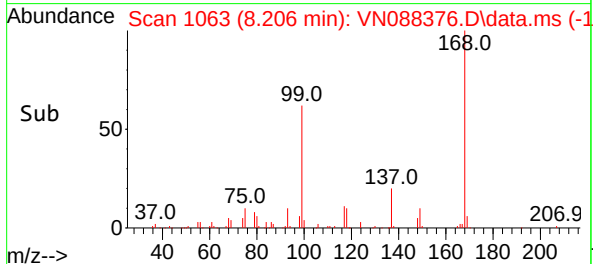
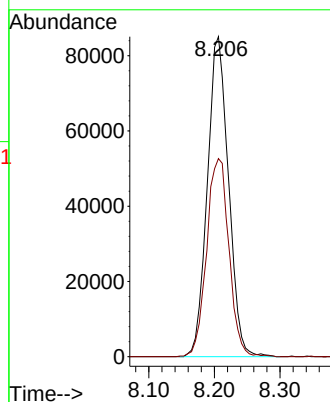
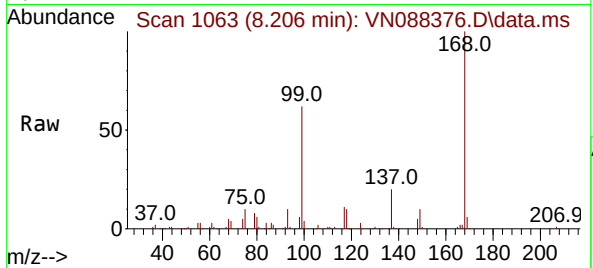




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088376.D  
Acq: 01 Dec 2025 12:51

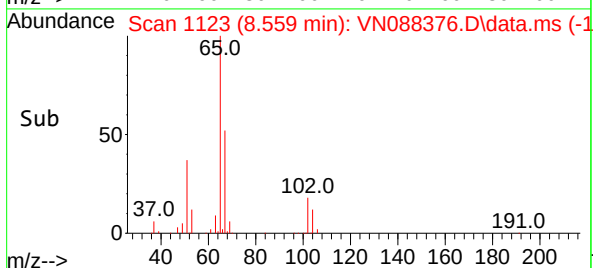
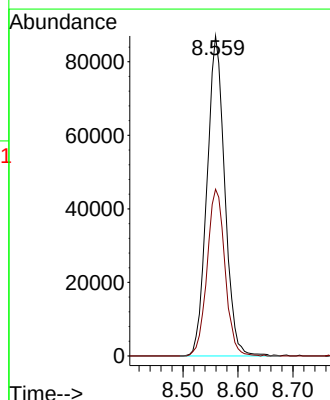
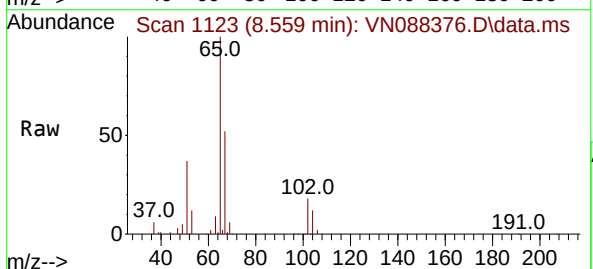
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-1

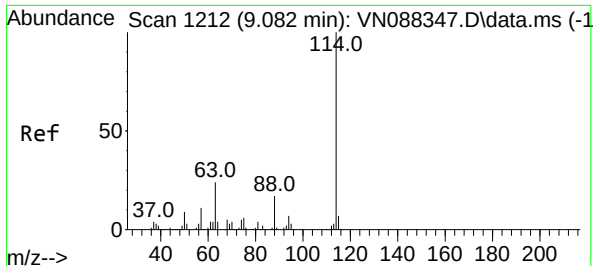
Tgt Ion:168 Resp: 190816  
Ion Ratio Lower Upper  
168 100  
99 61.9 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 54.327 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088376.D  
Acq: 01 Dec 2025 12:51

Tgt Ion: 65 Resp: 195284  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088376.D

Acq: 01 Dec 2025 12:51

Instrument :

MSVOA\_N

ClientSampleId :

TB-1

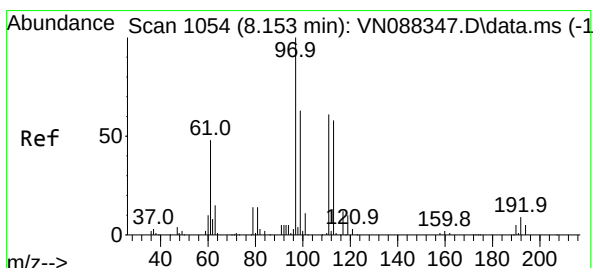
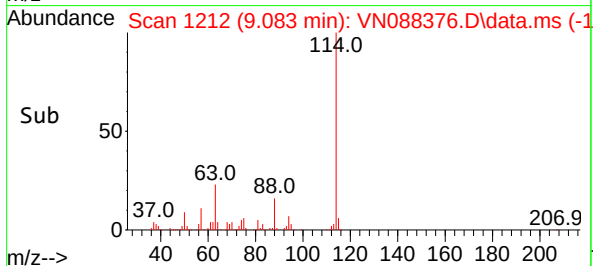
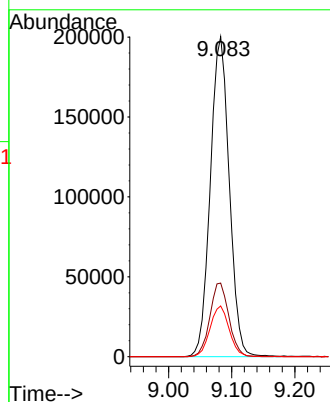
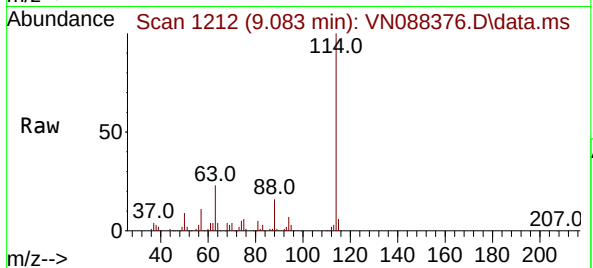
Tgt Ion:114 Resp: 417130

Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.0

88 15.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 51.642 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088376.D

Acq: 01 Dec 2025 12:51

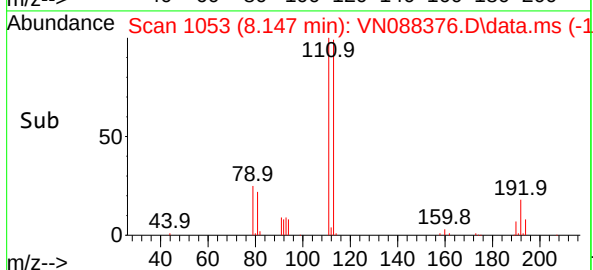
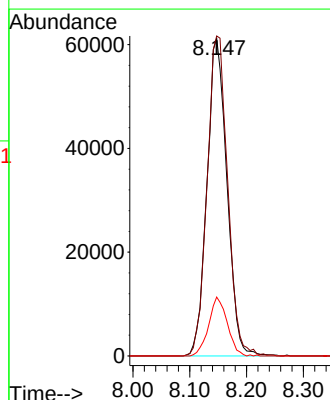
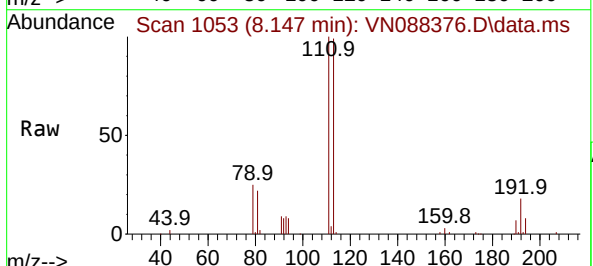
Tgt Ion:113 Resp: 149281

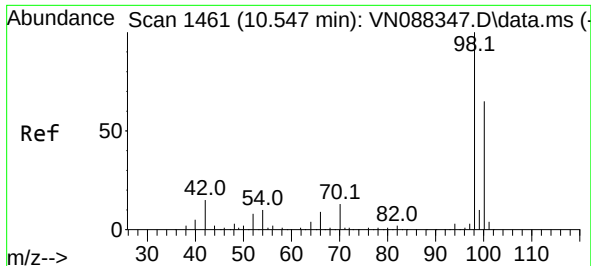
Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 17.2 12.8 19.2

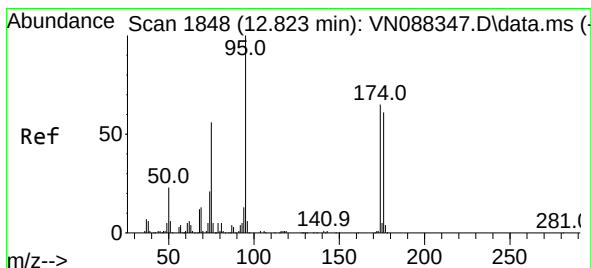
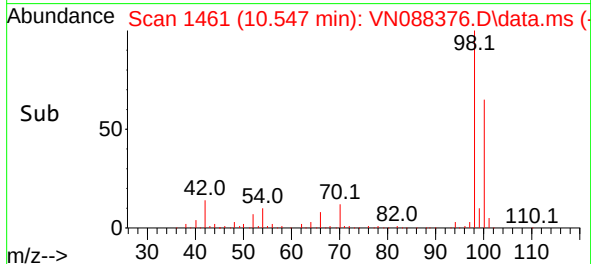
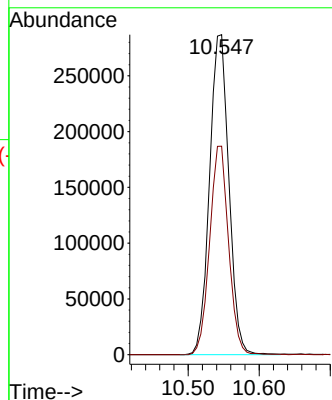
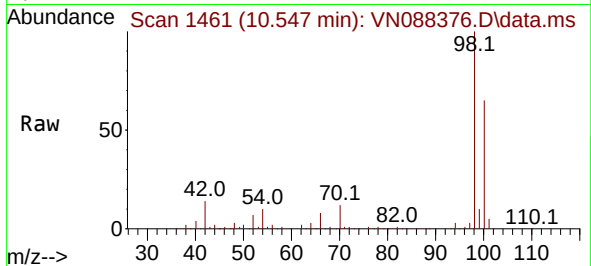




#50  
Toluene-d8  
Concen: 50.415 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN088376.D  
Acq: 01 Dec 2025 12:51

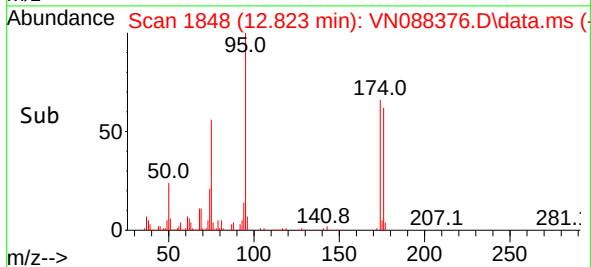
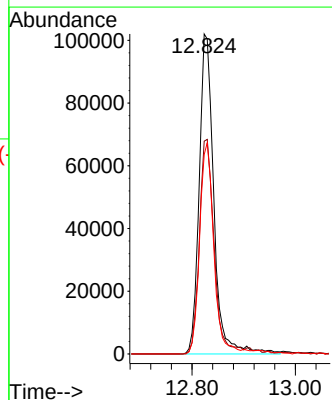
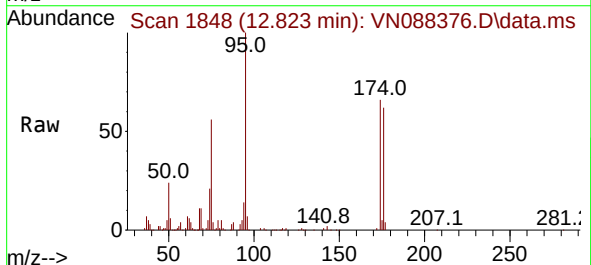
Instrument :  
MSVOA\_N  
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TB-1

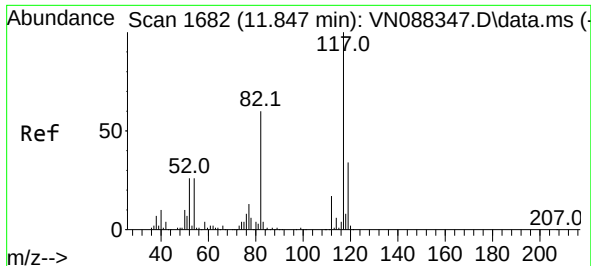
Tgt Ion: 98 Resp: 542248  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 54.454 ug/l  
RT: 12.823 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN088376.D  
Acq: 01 Dec 2025 12:51

Tgt Ion: 95 Resp: 200961  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 139.0  
176 63.5 0.0 132.4

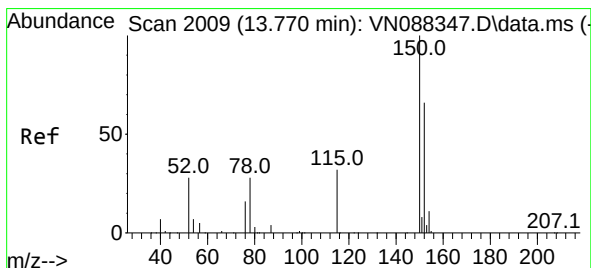
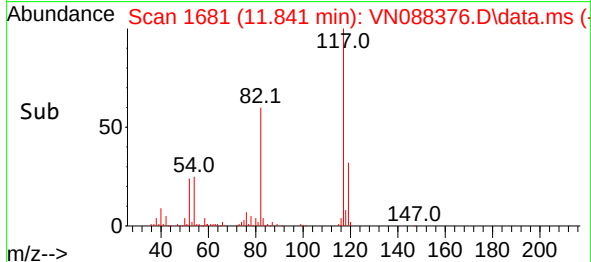
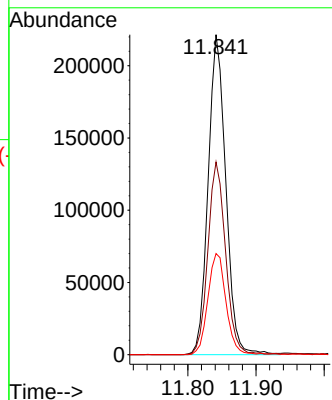
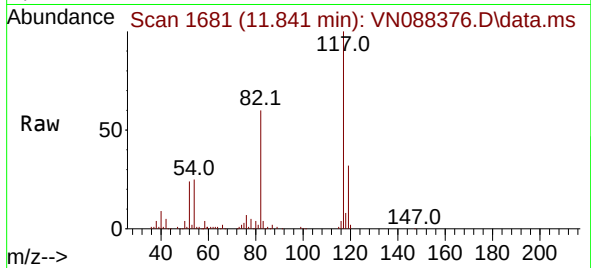




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN088376.D  
Acq: 01 Dec 2025 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-1

Tgt Ion:117 Resp: 399475  
Ion Ratio Lower Upper  
117 100  
82 60.2 47.8 71.8  
119 31.6 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: VN088376.D  
Acq: 01 Dec 2025 12:51

Tgt Ion:152 Resp: 192688  
Ion Ratio Lower Upper  
152 100  
115 62.7 33.0 98.9  
150 157.3 0.0 349.0

