

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081525\  
 Data File : VN087592.D  
 Acq On : 15 Aug 2025 18:55  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Aug 18 05:50:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.212  | 168  | 270064   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.088  | 114  | 611881   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 573175   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 288479   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 240728   | 52.533   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 105.060% |
| 35) Dibromofluoromethane    | 8.153  | 113   | 178808   | 42.364   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 84.720%  |
| 50) Toluene-d8              | 10.547 | 98    | 701584   | 46.599   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.200%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 262294   | 47.154   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 94.300%  |

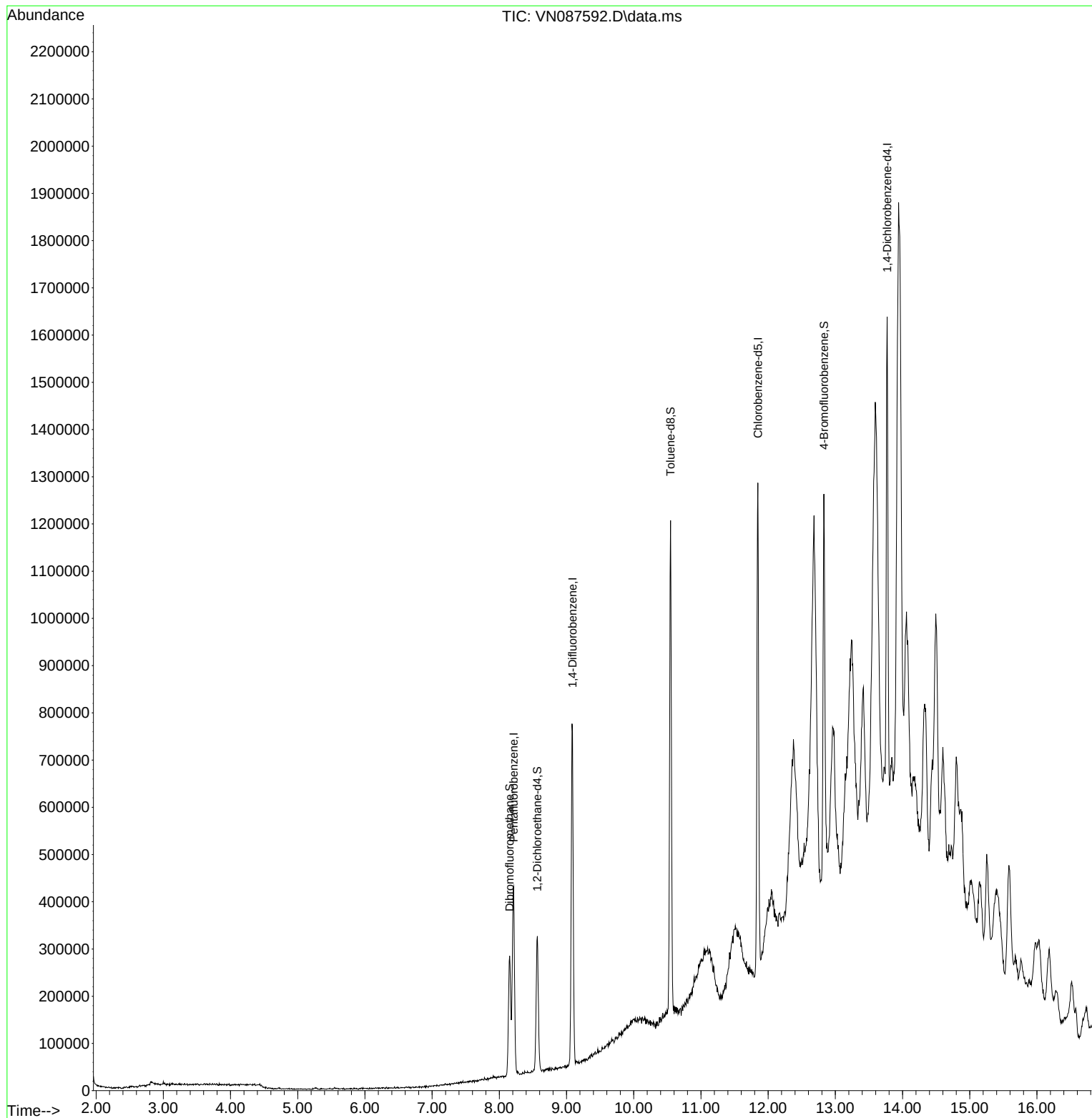
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

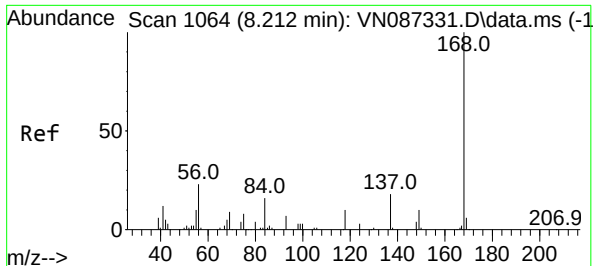
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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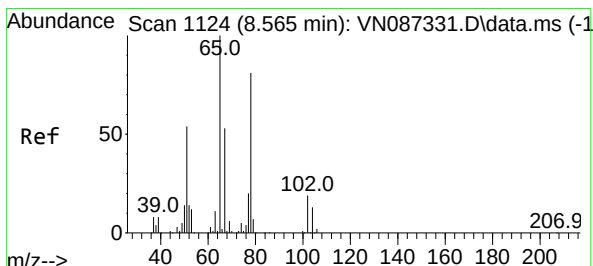
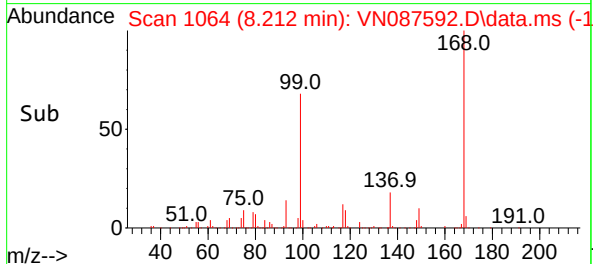
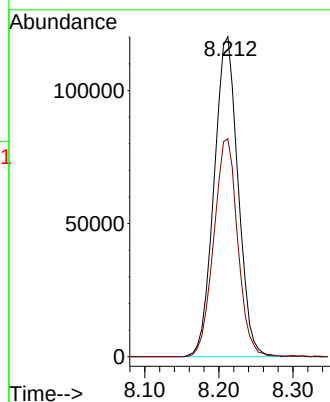
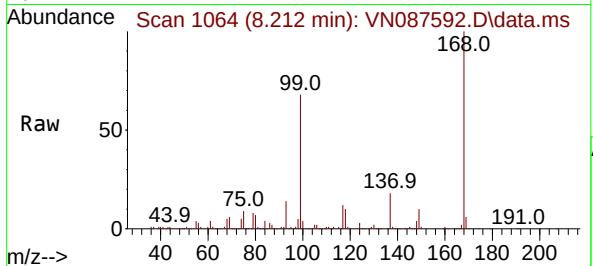




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. 0.000 min  
Lab File: VN087592.D  
Acq: 15 Aug 2025 18:55

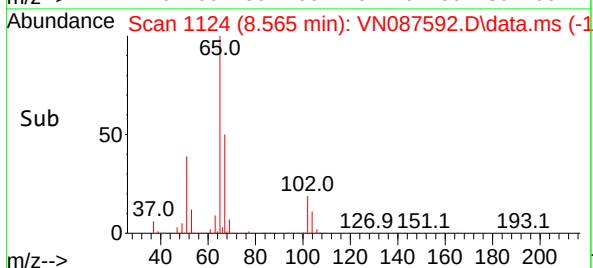
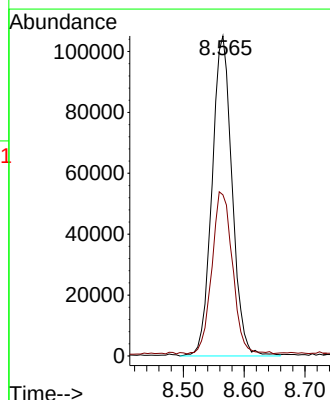
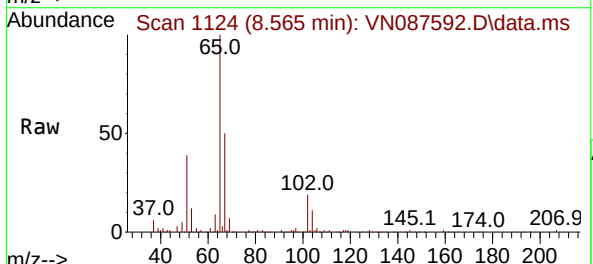
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

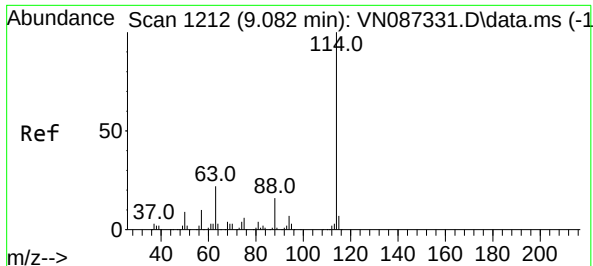
Tgt Ion:168 Resp: 270064  
Ion Ratio Lower Upper  
168 100  
99 68.1 47.9 71.9



#33  
1,2-Dichloroethane-d4  
Concen: 52.533 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.000 min  
Lab File: VN087592.D  
Acq: 15 Aug 2025 18:55

Tgt Ion: 65 Resp: 240728  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087592.D

Acq: 15 Aug 2025 18:55

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

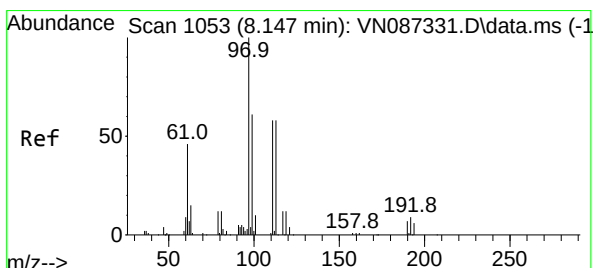
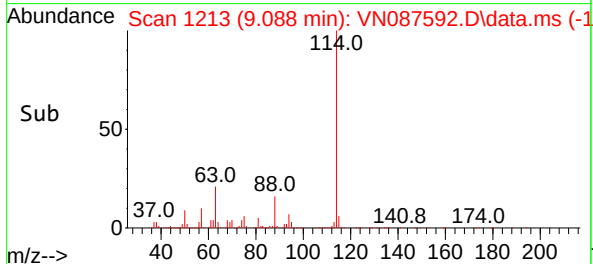
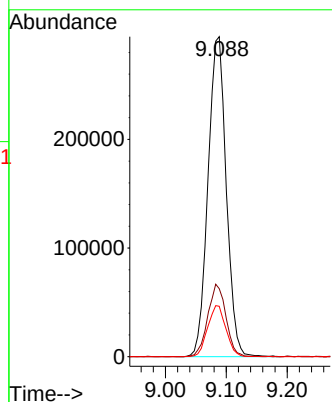
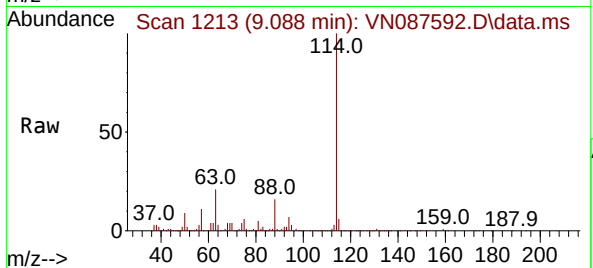
Tgt Ion:114 Resp: 611881

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.6

88 15.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 42.364 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087592.D

Acq: 15 Aug 2025 18:55

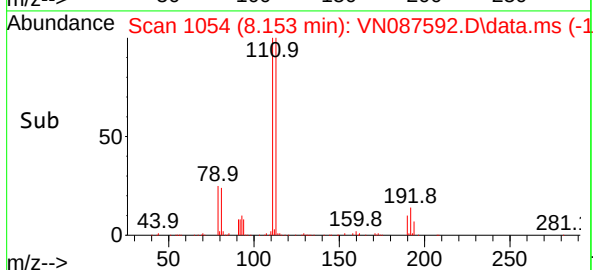
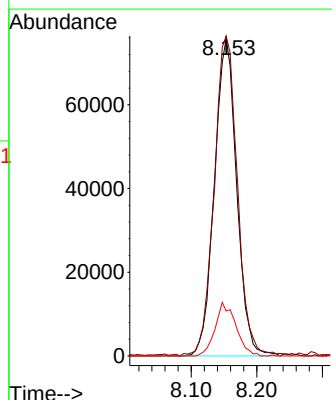
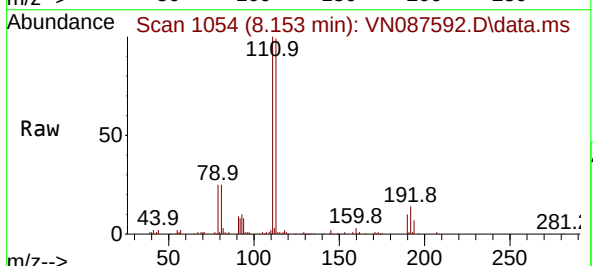
Tgt Ion:113 Resp: 178808

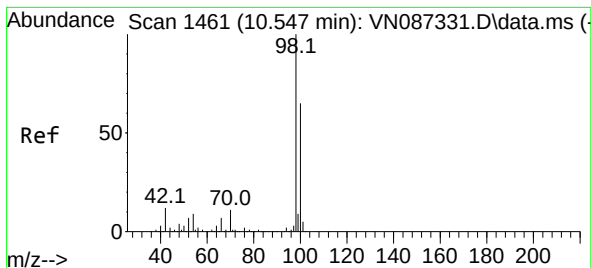
Ion Ratio Lower Upper

113 100

111 104.8 82.5 123.7

192 15.7 13.7 20.5





#50

Toluene-d8

Concen: 46.599 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087592.D

Acq: 15 Aug 2025 18:55

Instrument :

MSVOA\_N

ClientSampleId :

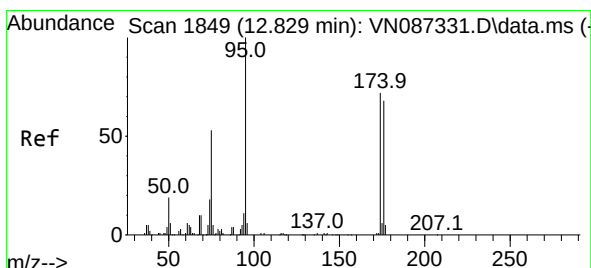
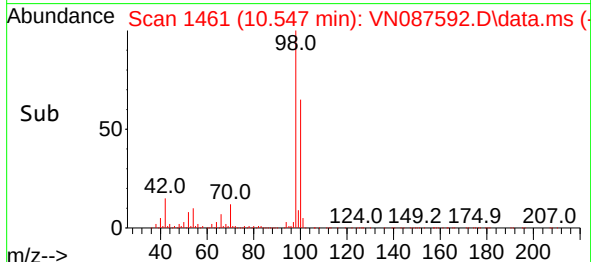
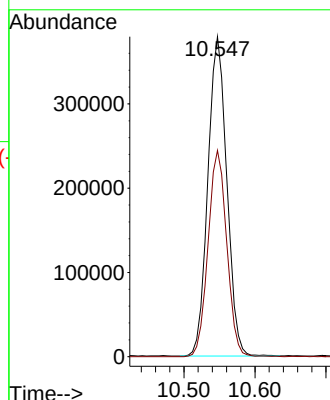
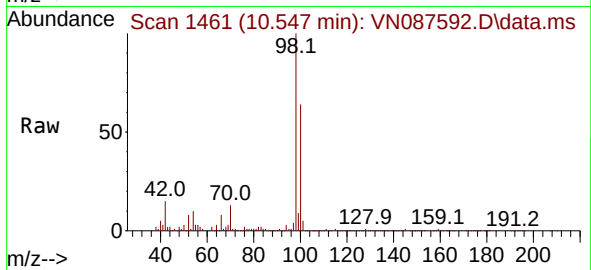
IBLK

Tgt Ion: 98 Resp: 701584

Ion Ratio Lower Upper

98 100

100 63.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.154 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087592.D

Acq: 15 Aug 2025 18:55

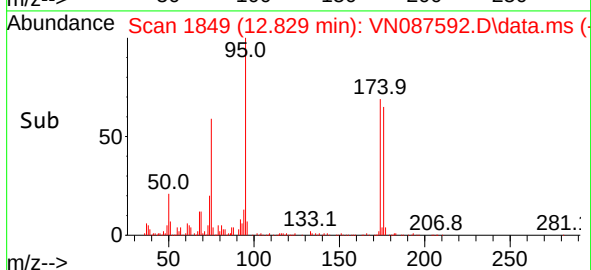
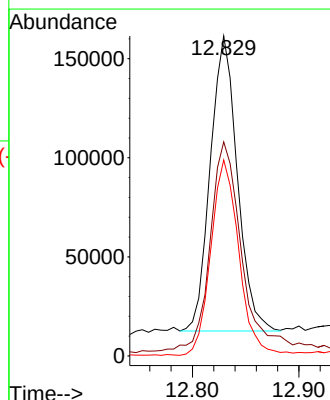
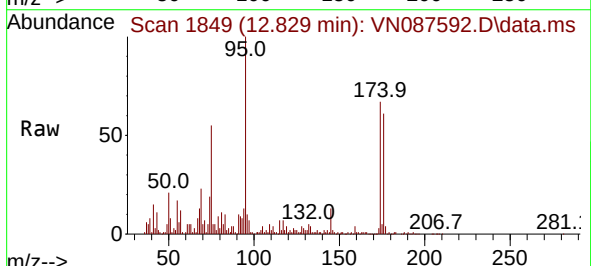
Tgt Ion: 95 Resp: 262294

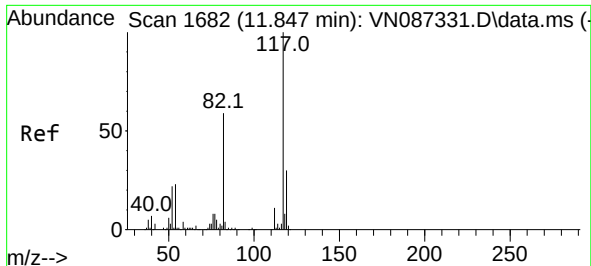
Ion Ratio Lower Upper

95 100

174 87.3 0.0 149.4

176 68.4 0.0 141.2

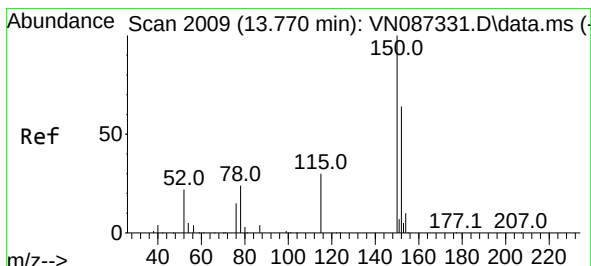
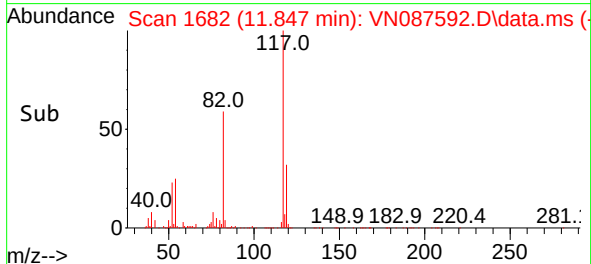
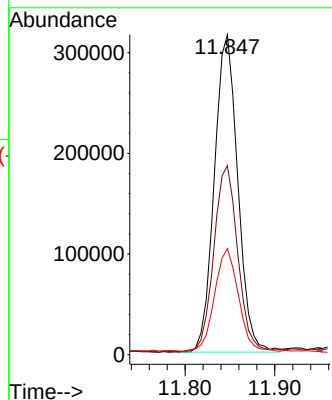
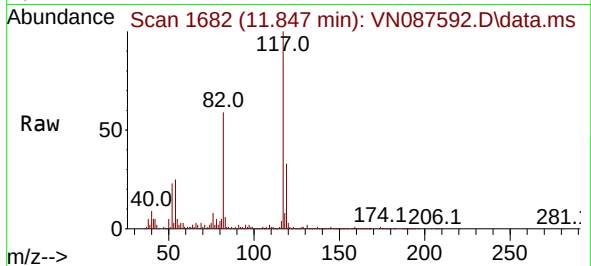




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN087592.D  
Acq: 15 Aug 2025 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 573175  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.4 71.2  
119 32.3 23.8 35.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.771 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VN087592.D  
Acq: 15 Aug 2025 18:55

Tgt Ion:152 Resp: 288479  
Ion Ratio Lower Upper  
152 100  
115 62.1 31.1 93.5  
150 155.7 0.0 349.0

