

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091825\  
 Data File : VN087896.D  
 Acq On : 18 Sep 2025 15:30  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Sep 19 03:10:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

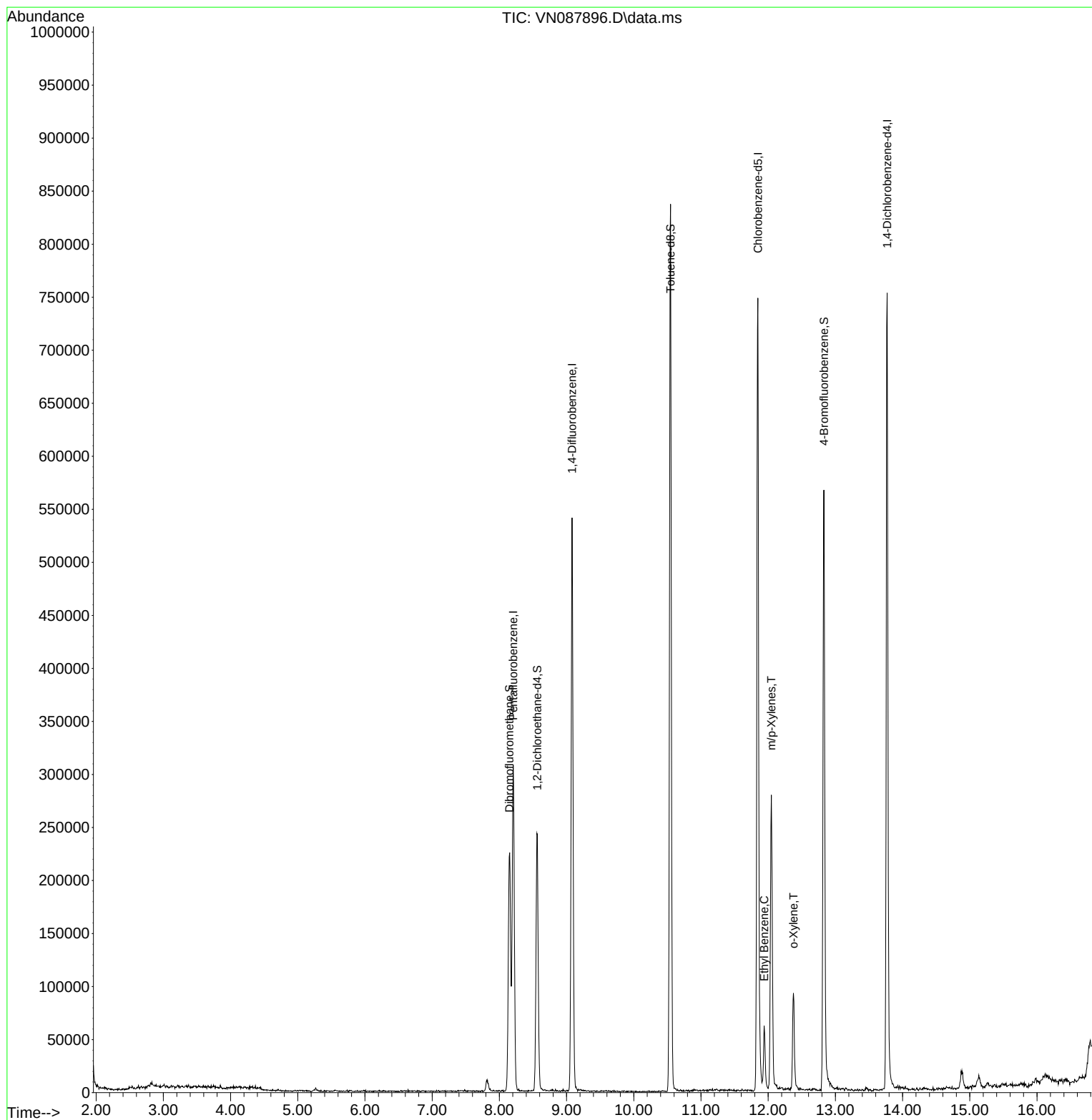
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.206  | 168   | 214958   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082  | 114   | 449189   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.847 | 117   | 433041   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770 | 152   | 206296   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 200906   | 45.616   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 91.240%  |
| 35) Dibromofluoromethane    | 8.147  | 113   | 162624   | 50.144   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 100.280% |
| 50) Toluene-d8              | 10.547 | 98    | 567470   | 46.750   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 93.500%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 206283   | 47.786   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 95.580%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 67) Ethyl Benzene           | 11.941 | 91    | 41815    | 2.242    | ug/l   | 92       |
| 68) m/p-Xylenes             | 12.047 | 106   | 91089    | 13.315   | ug/l   | 95       |
| 69) o-Xylene                | 12.376 | 106   | 28741    | 4.287    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

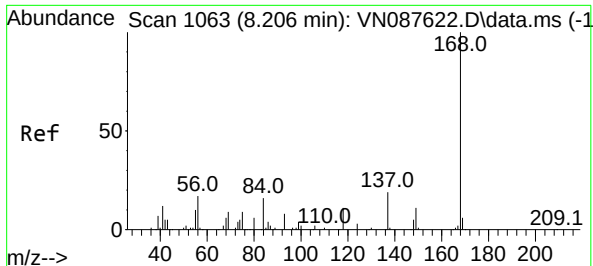
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 03:10:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

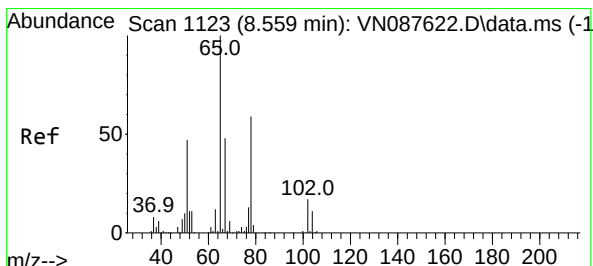
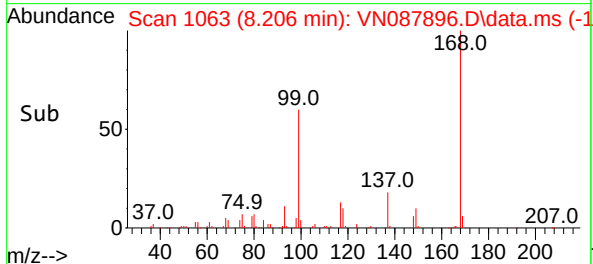
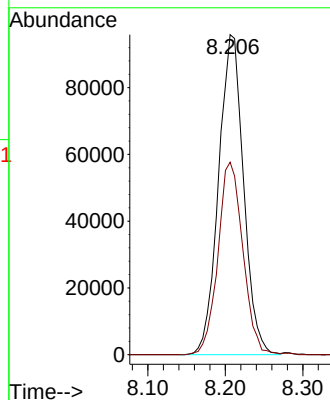
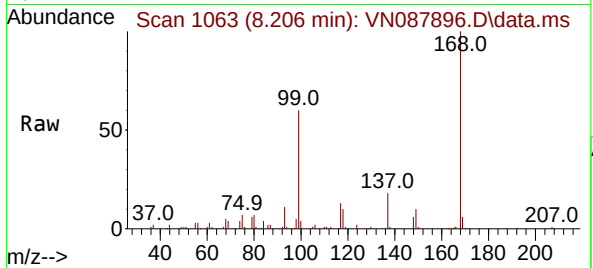




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

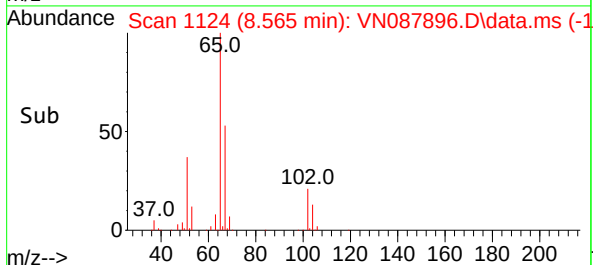
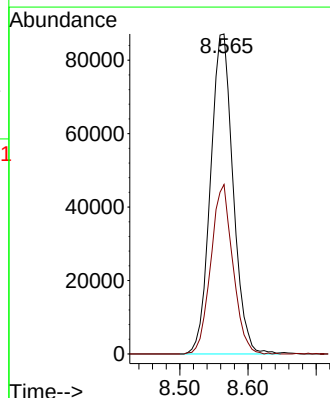
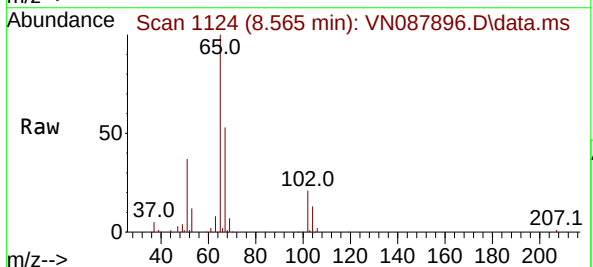
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

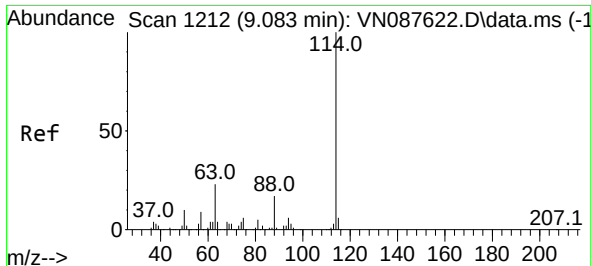
Tgt Ion:168 Resp: 214958  
Ion Ratio Lower Upper  
168 100  
99 60.2 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.616 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

Tgt Ion: 65 Resp: 200906  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087896.D

Acq: 18 Sep 2025 15:30

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

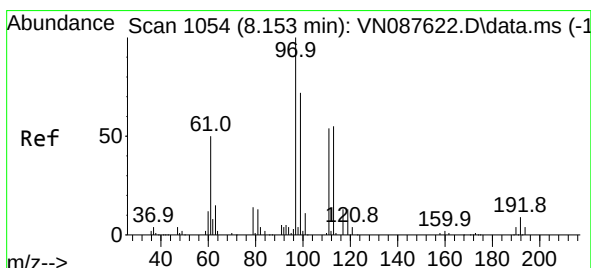
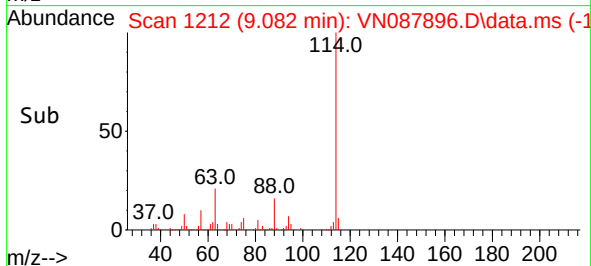
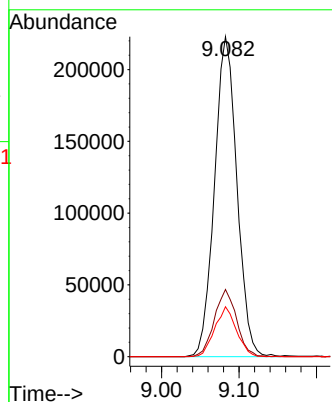
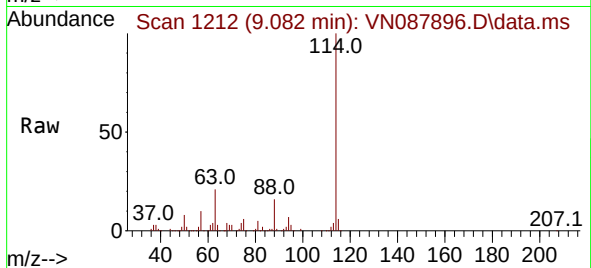
Tgt Ion:114 Resp: 449189

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.2

88 15.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.144 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087896.D

Acq: 18 Sep 2025 15:30

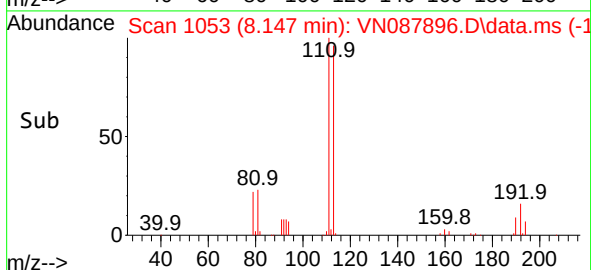
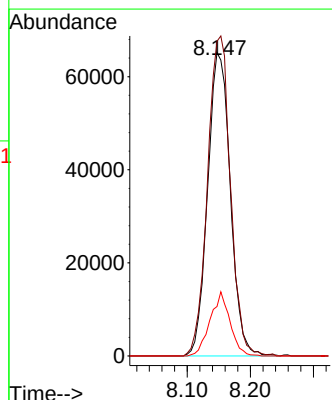
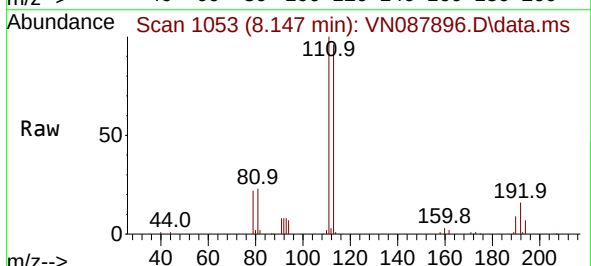
Tgt Ion:113 Resp: 162624

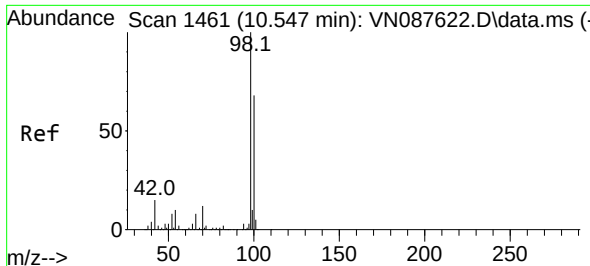
Ion Ratio Lower Upper

113 100

111 106.2 82.8 124.2

192 18.6 12.8 19.2

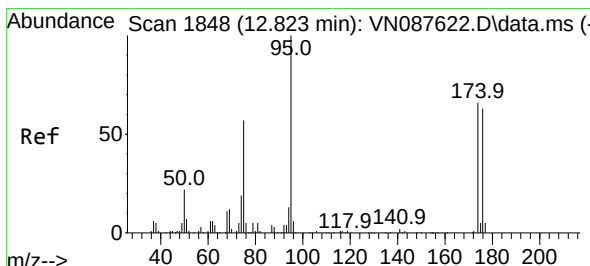
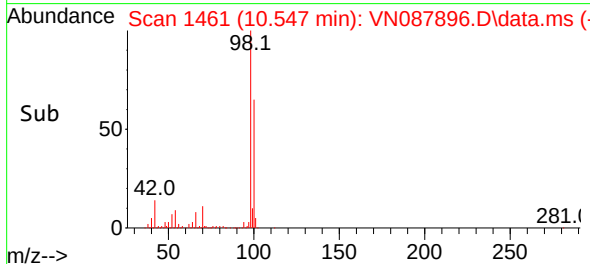
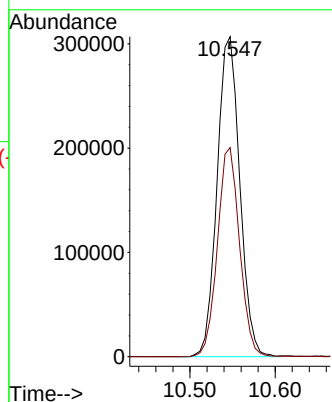
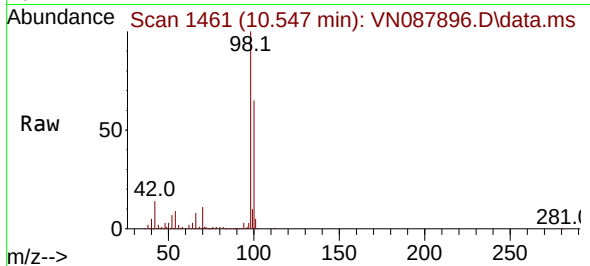




#50  
Toluene-d8  
Concen: 46.750 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

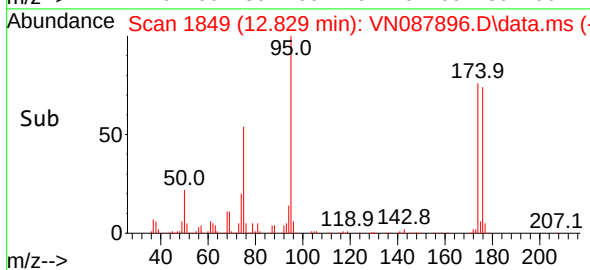
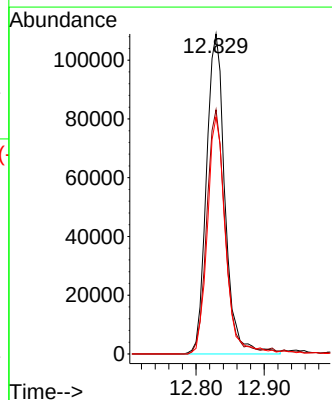
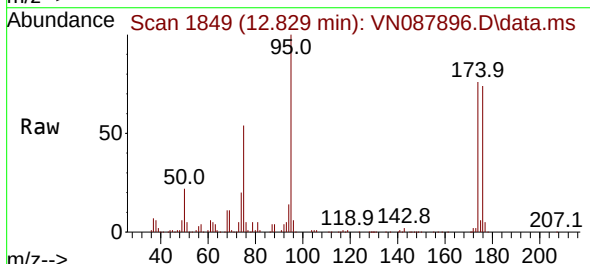
Instrument :  
MSVOA\_N  
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IBLK

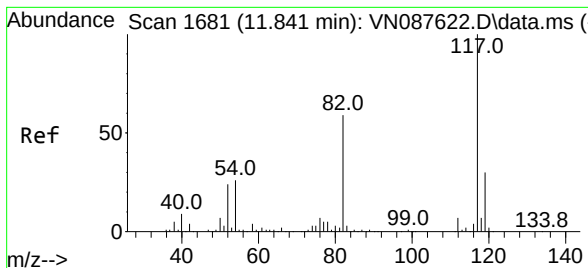
Tgt Ion: 98 Resp: 567470  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 47.786 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

Tgt Ion: 95 Resp: 206283  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 138.4  
176 72.5 0.0 132.6

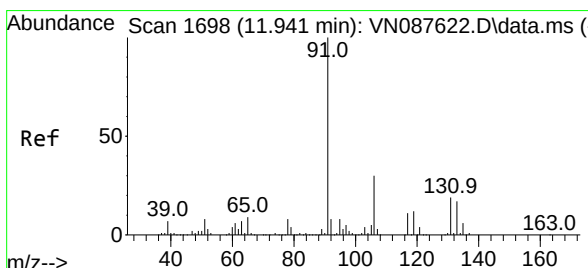
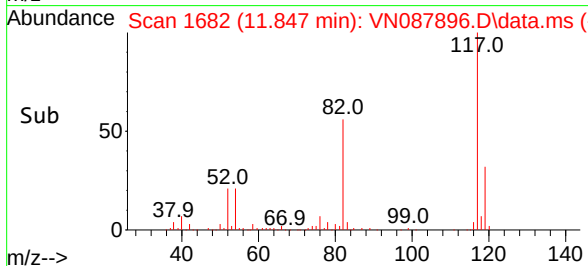
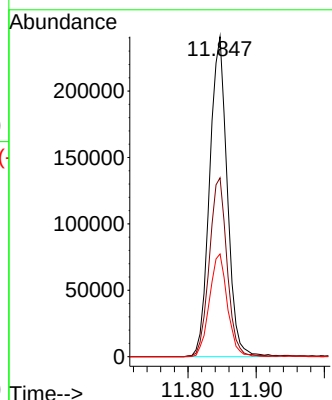
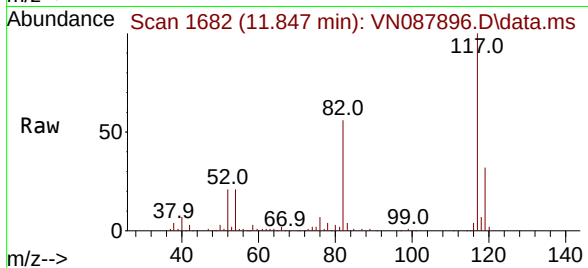




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 1681  
Delta R.T. 0.006 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

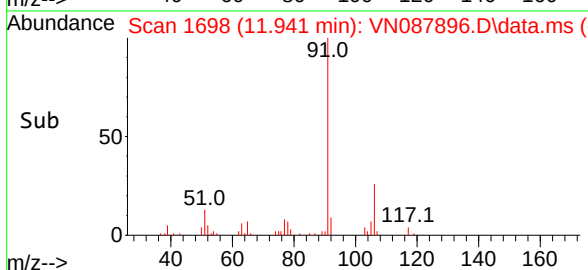
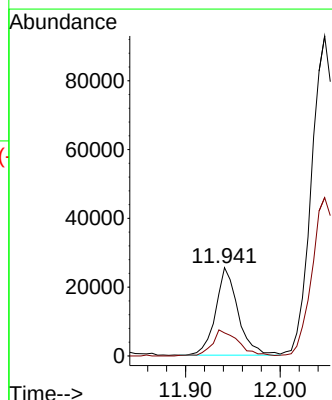
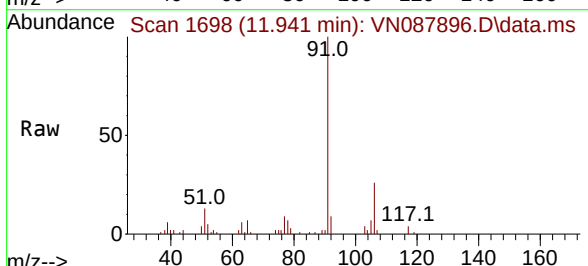
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

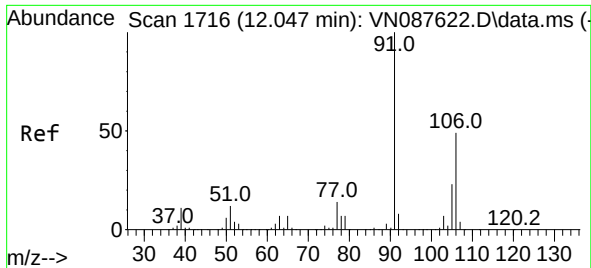
Tgt Ion:117 Resp: 433041  
Ion Ratio Lower Upper  
117 100  
82 55.9 47.4 71.2  
119 32.1 24.3 36.5



#67  
Ethyl Benzene  
Concen: 2.242 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

Tgt Ion: 91 Resp: 41815  
Ion Ratio Lower Upper  
91 100  
106 25.6 24.1 36.1

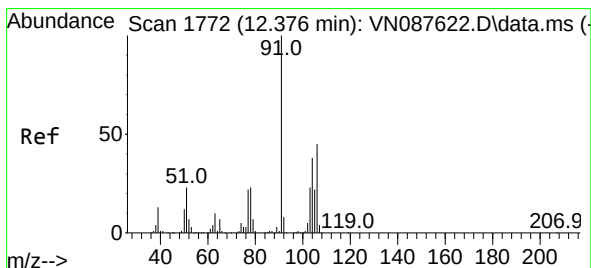
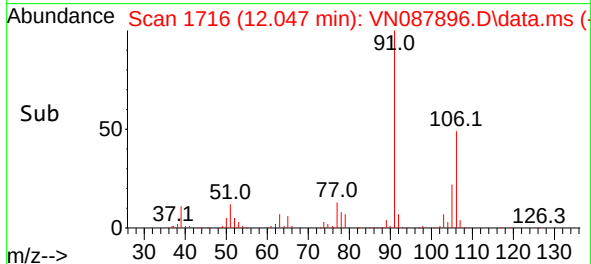
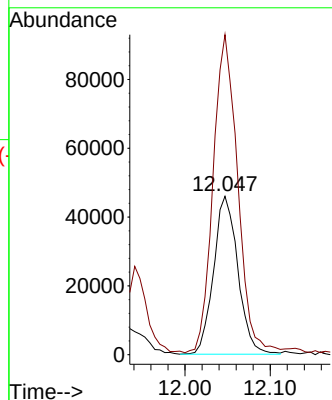
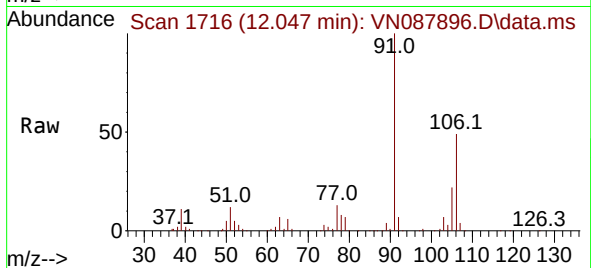




#68  
m/p-Xylenes  
Concen: 13.315 ug/l  
RT: 12.047 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

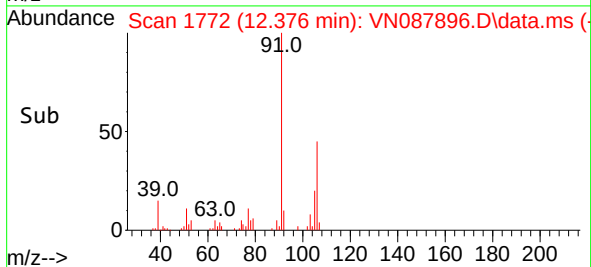
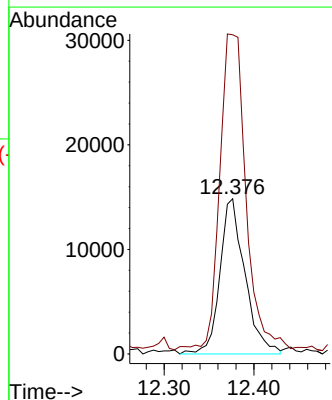
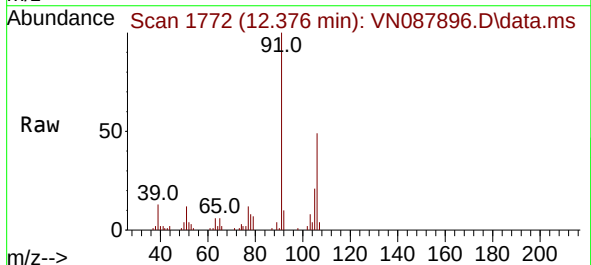
Instrument :  
MSVOA\_N  
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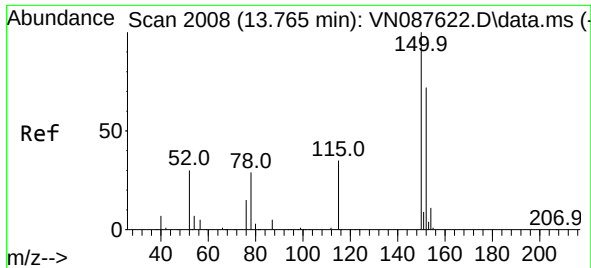
Tgt Ion:106 Resp: 91089  
Ion Ratio Lower Upper  
106 100  
91 203.0 169.3 253.9



#69  
o-Xylene  
Concen: 4.287 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VN087896.D  
Acq: 18 Sep 2025 15:30

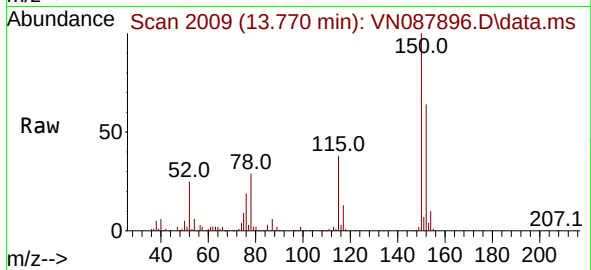
Tgt Ion:106 Resp: 28741  
Ion Ratio Lower Upper  
106 100  
91 213.5 111.4 334.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN087896.D  
 Acq: 18 Sep 2025 15:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK



Tgt Ion:152 Resp: 206296  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 32.3 96.8  
 150 159.5 0.0 351.0

