

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061725\  
 Data File : VN087046.D  
 Acq On : 17 Jun 2025 09:59  
 Operator : JC\MD  
 Sample : VN0617MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0617MBL01

Quant Time: Jun 18 01:42:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.236  | 168  | 188993   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 381470   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 342758   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 159740   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 137518   | 54.346   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 108.700% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 116516   | 51.540   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.080% |
| 50) Toluene-d8              | 10.565 | 98    | 465326   | 51.995   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.980% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 163523   | 49.180   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 98.360%  |

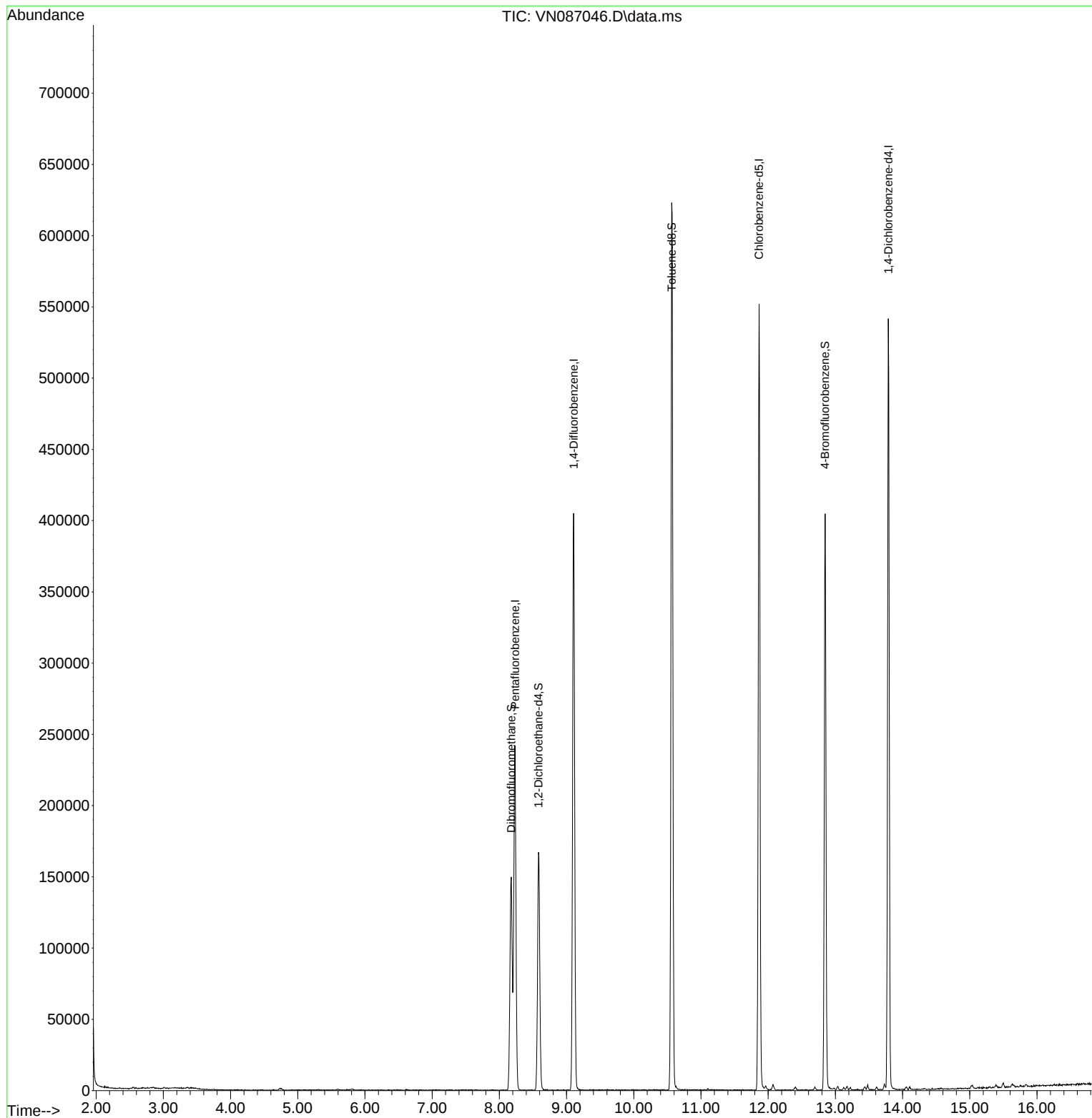
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

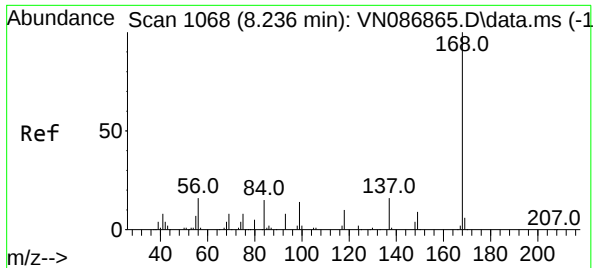
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

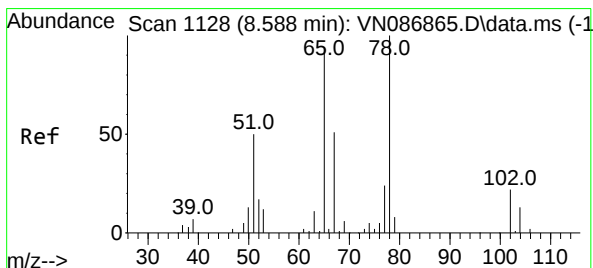
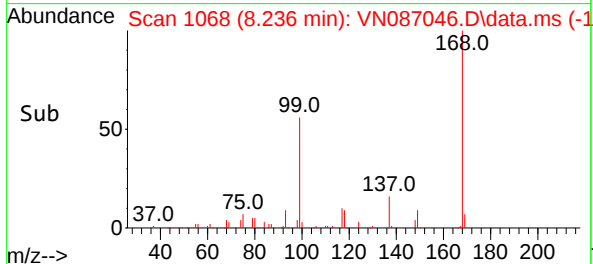
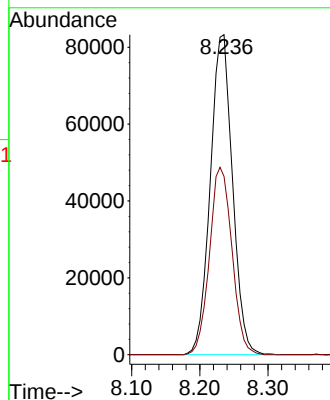
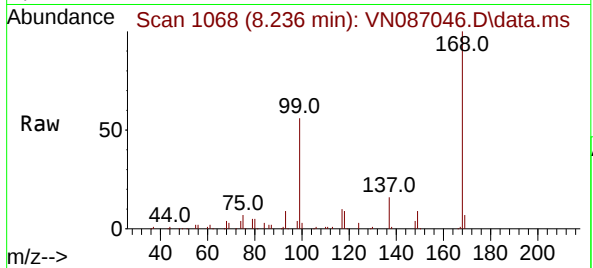




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

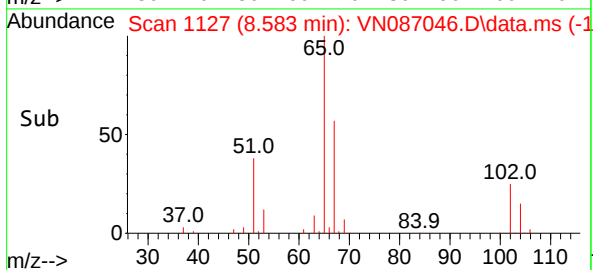
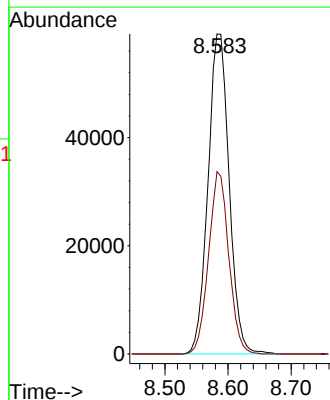
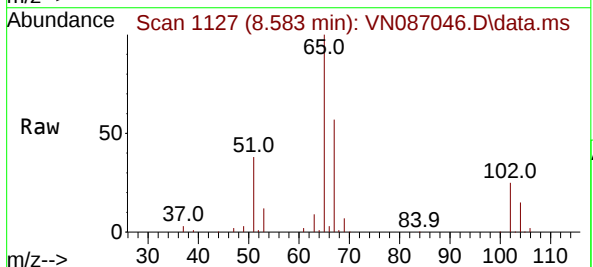
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0617MBL01

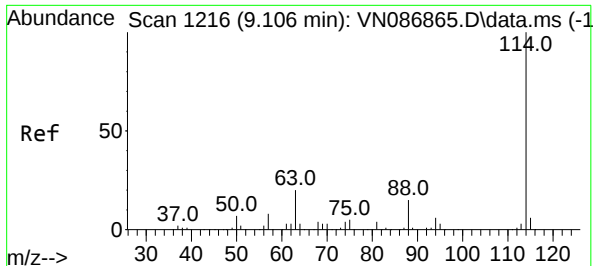
Tgt Ion:168 Resp: 188993  
Ion Ratio Lower Upper  
168 100  
99 55.7 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 54.346 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

Tgt Ion: 65 Resp: 137518  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 105.6

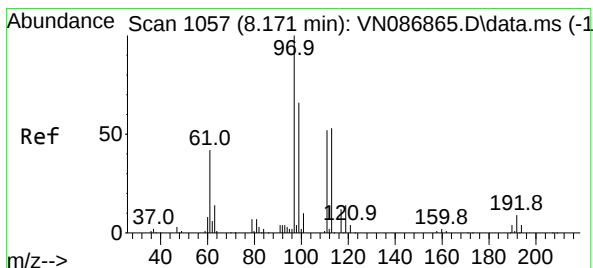
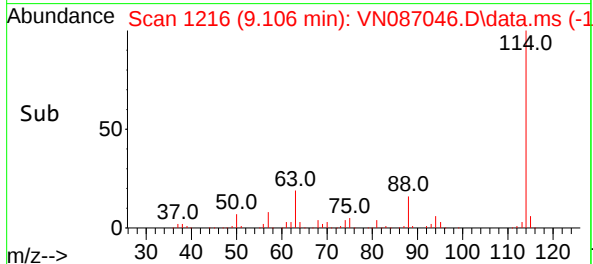
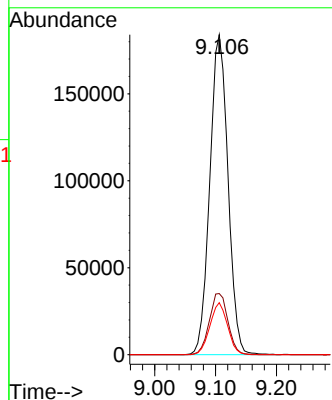
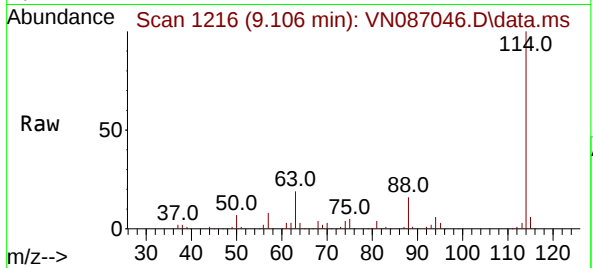




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

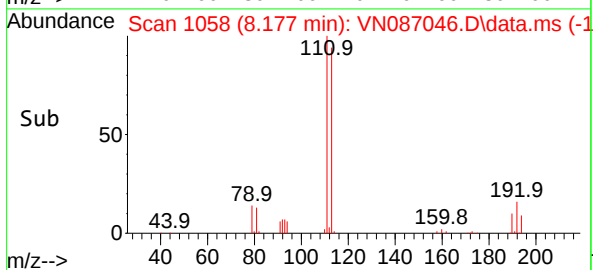
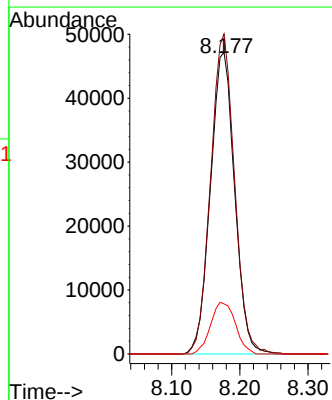
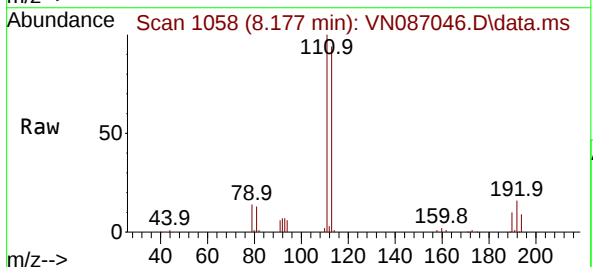
Instrument :  
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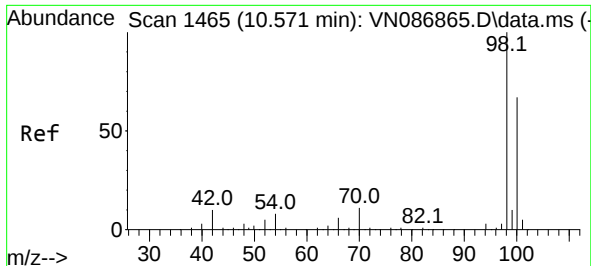
Tgt Ion:114 Resp: 381470  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 39.6  
88 16.2 0.0 30.2



#35  
Dibromofluoromethane  
Concen: 51.540 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

Tgt Ion:113 Resp: 116516  
Ion Ratio Lower Upper  
113 100  
111 104.8 84.2 126.2  
192 17.6 14.2 21.4

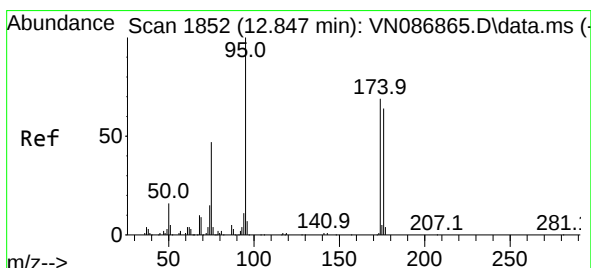
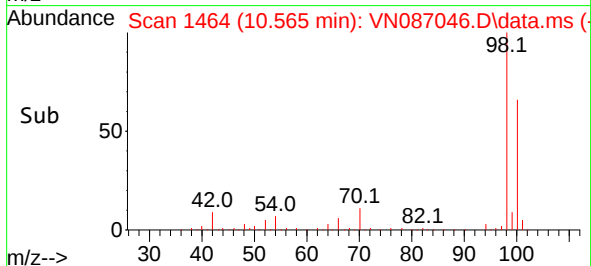
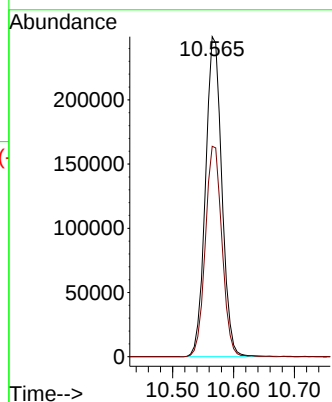
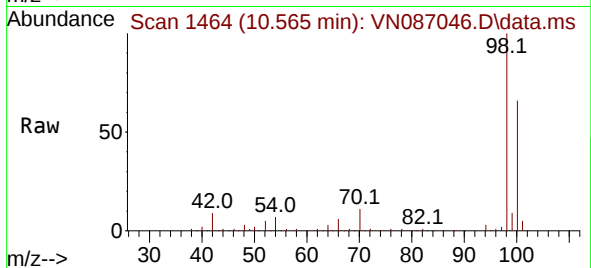




#50  
Toluene-d8  
Concen: 51.995 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

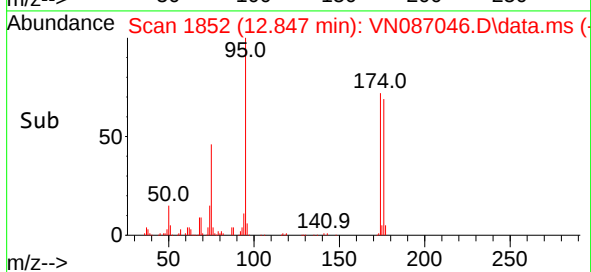
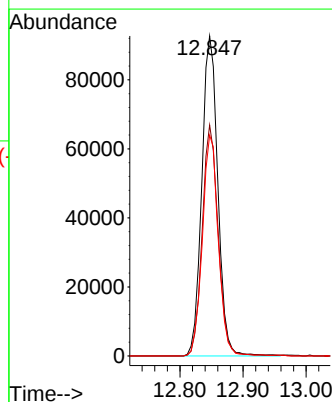
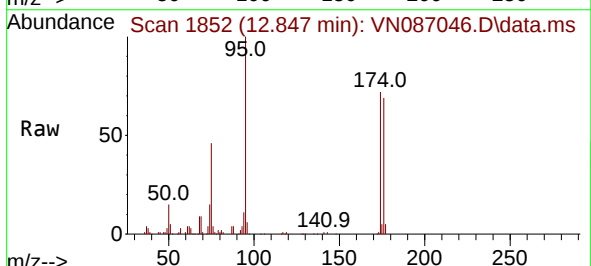
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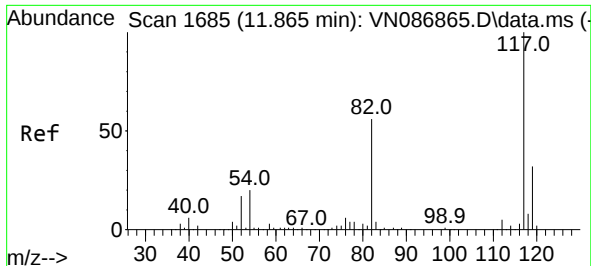
Tgt Ion: 98 Resp: 465326  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 49.180 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

Tgt Ion: 95 Resp: 163523  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 141.8  
176 68.5 0.0 132.6

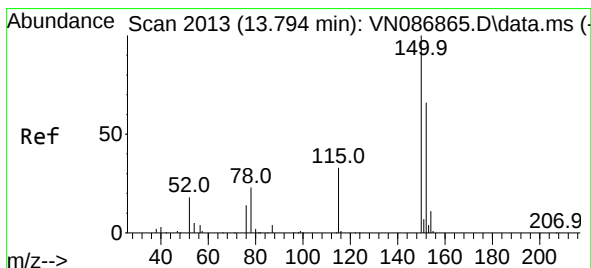
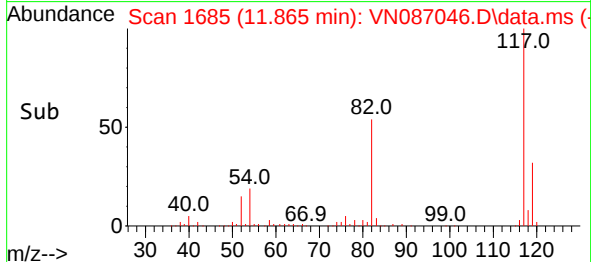
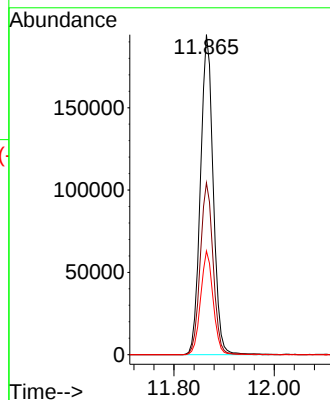
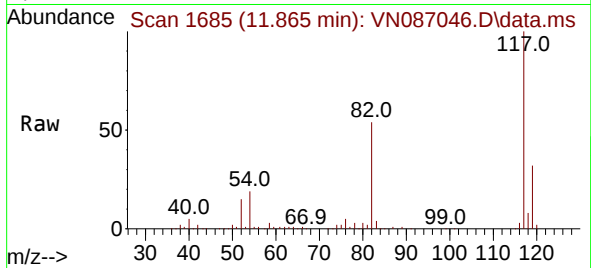




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0617MBL01

Tgt Ion:117 Resp: 342758  
Ion Ratio Lower Upper  
117 100  
82 53.7 44.6 67.0  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: VN087046.D  
Acq: 17 Jun 2025 09:59

Tgt Ion:152 Resp: 159740  
Ion Ratio Lower Upper  
152 100  
115 59.8 30.1 90.5  
150 157.2 0.0 345.0

