

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100824\  
 Data File : VN084347.D  
 Acq On : 08 Oct 2024 14:11  
 Operator : JC\MD  
 Sample : P4271-01 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-1

Quant Time: Oct 09 02:30:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 09 02:21:08 2024  
 Response via : Initial Calibration

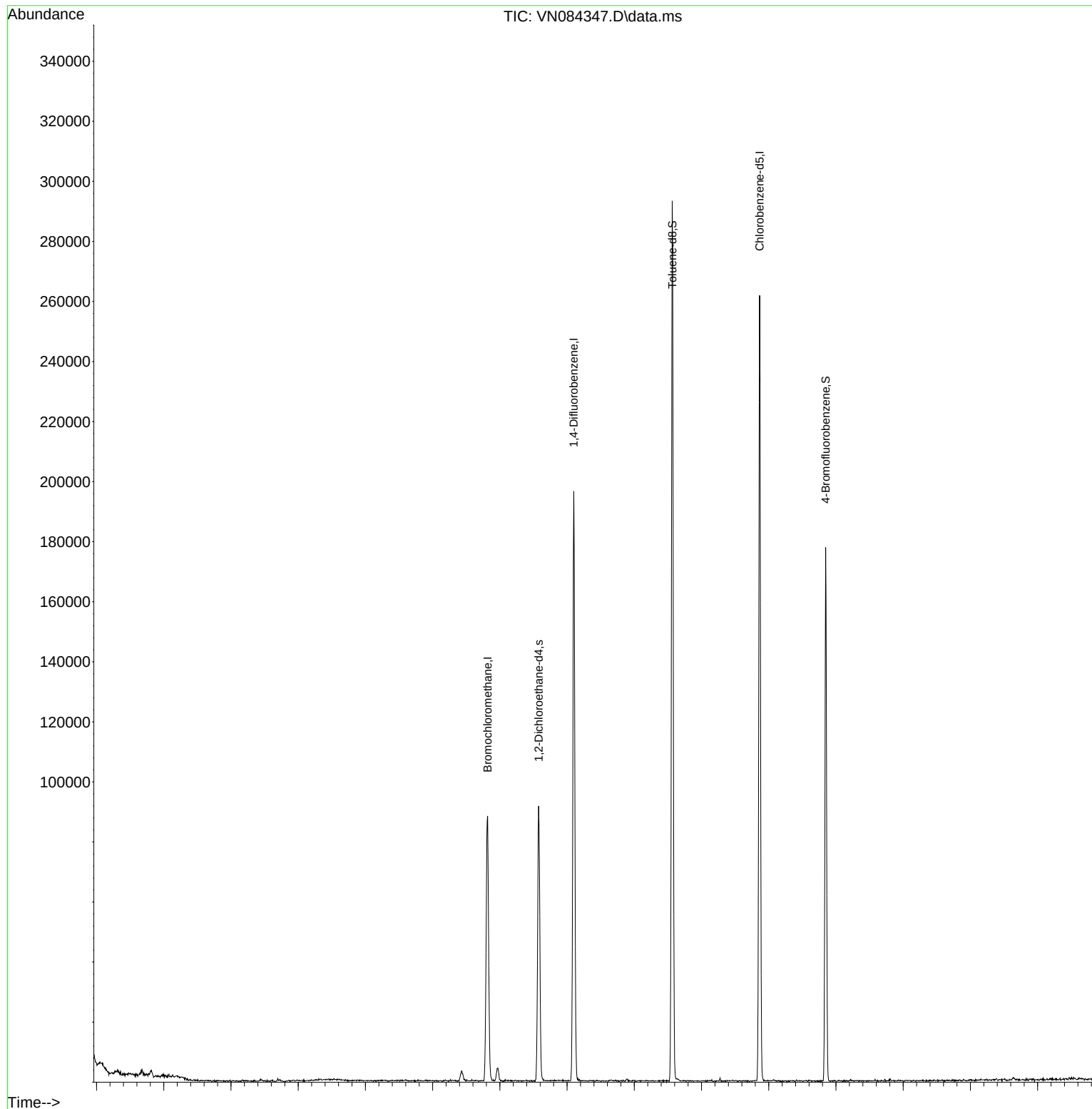
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.818  | 128   | 31566    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.100  | 114   | 163722   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.865 | 117   | 147206   | 30.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 76147    | 29.963   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 99.867%  |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 61583    | 25.348   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 84.500%  |
| 63) Toluene-d8              | 10.565 | 98    | 201067   | 29.484   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.267%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          | Qvalue |          |
| 25) Chloroform              | 7.971  | 83    | 4858     | 1.220    | ug/l # | 71       |
| -----                       |        |       |          |          |        |          |

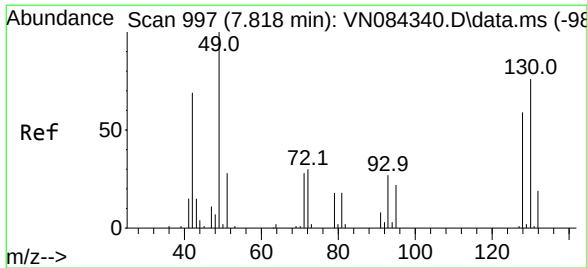
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
14B-1

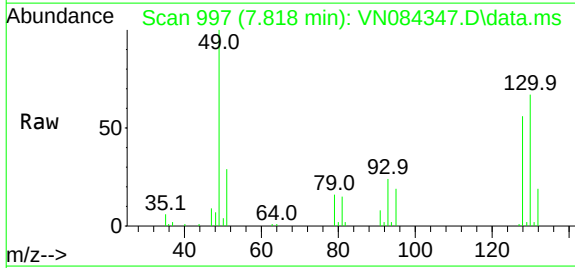
Quant Time: Oct 09 02:30:25 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 09 02:21:08 2024  
Response via : Initial Calibration



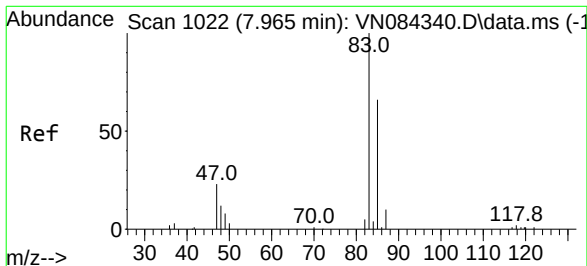
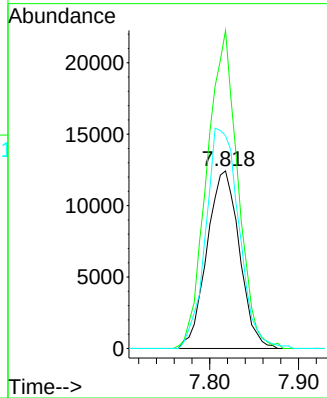
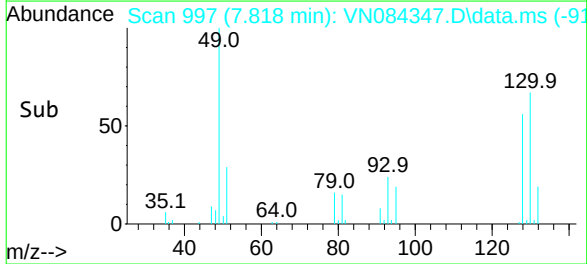


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN084347.D  
Acq: 08 Oct 2024 14:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-1

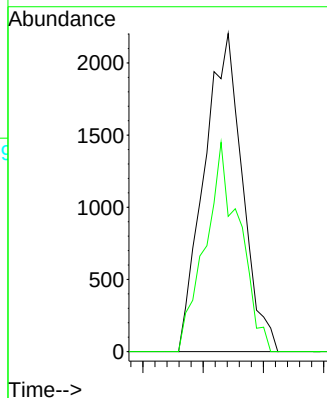
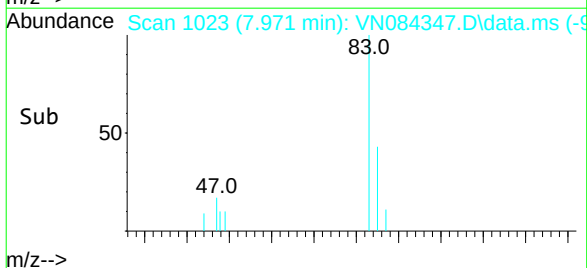
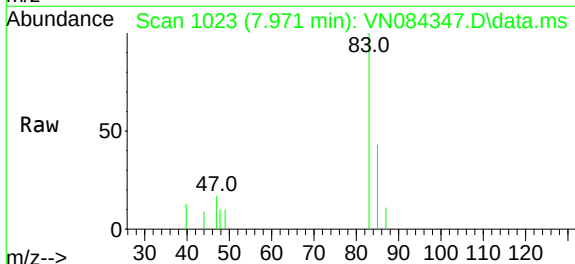


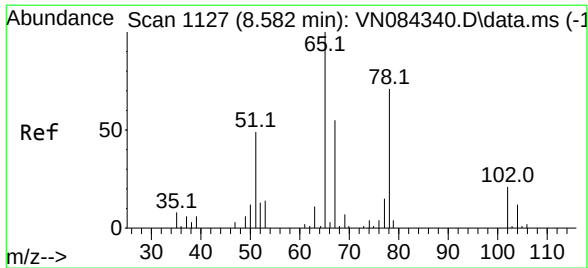
Tgt Ion: 128 Resp: 31566  
Ion Ratio Lower Upper  
128 100  
49 169.6 0.0 430.0  
130 127.0 0.0 329.8



#25  
Chloroform  
Concen: 1.220 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.006 min  
Lab File: VN084347.D  
Acq: 08 Oct 2024 14:11

Tgt Ion: 83 Resp: 4858  
Ion Ratio Lower Upper  
83 100  
85 42.5 52.4 78.6#

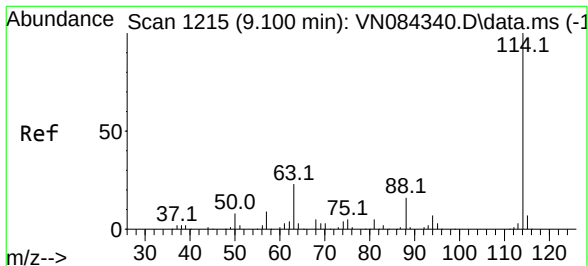
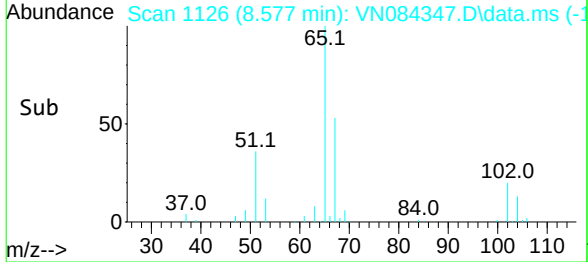
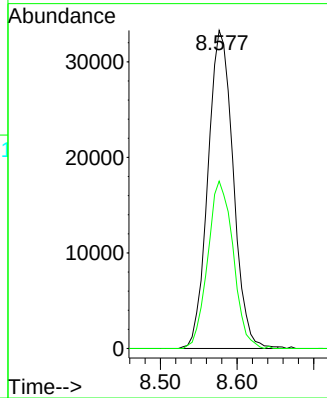
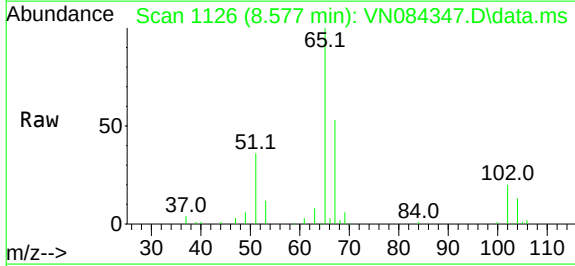




#27  
 1,2-Dichloroethane-d4  
 Concen: 29.963 ug/l  
 RT: 8.577 min Scan# 1116  
 Delta R.T. -0.006 min  
 Lab File: VN084347.D  
 Acq: 08 Oct 2024 14:11

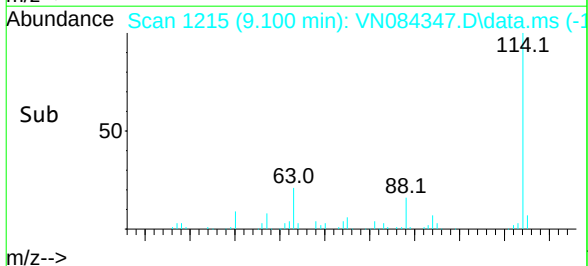
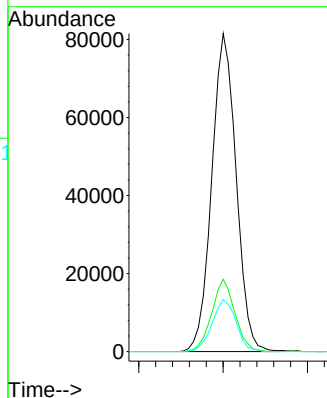
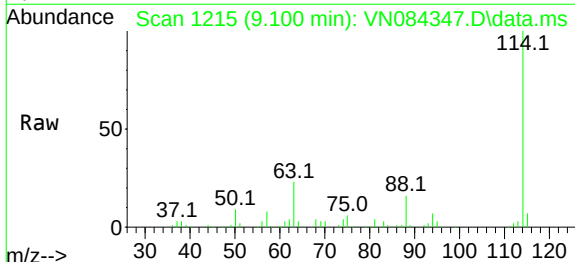
Instrument :  
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 ClientSampleId :  
 14B-1

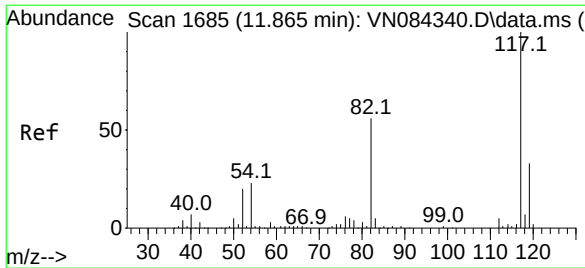
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 76147 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 53.0  | 41.5  | 62.3  |



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: VN084347.D  
 Acq: 08 Oct 2024 14:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 163722 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.6  | 17.4  | 26.0   |
| 88       | 16.1  | 13.2  | 19.8   |

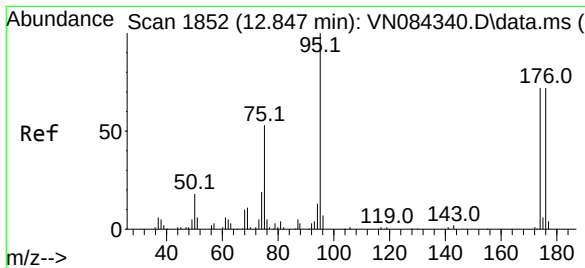
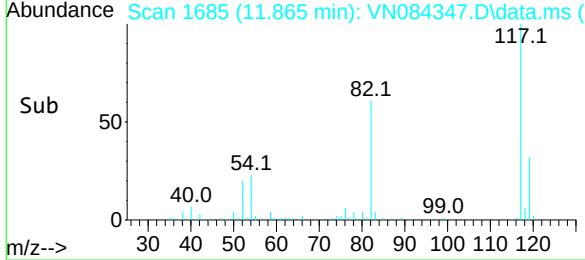
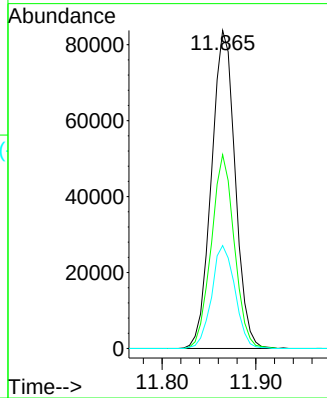
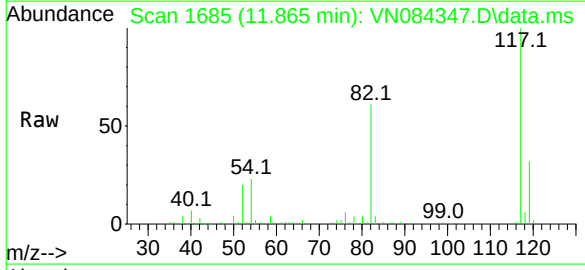




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN084347.D  
Acq: 08 Oct 2024 14:11

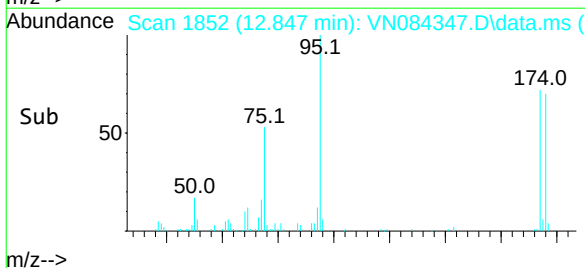
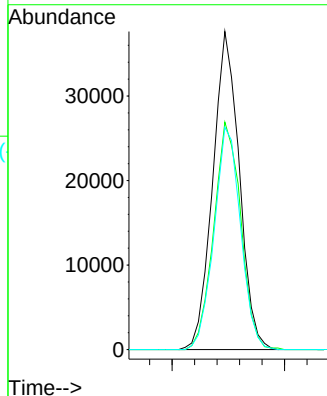
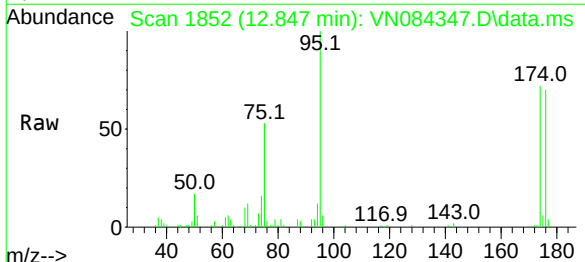
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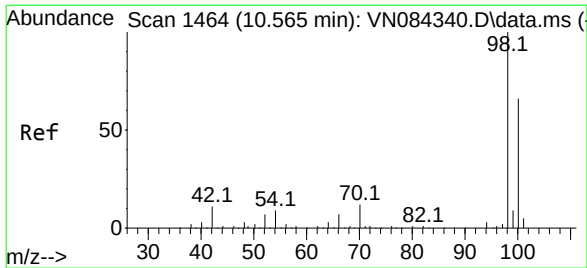
Tgt Ion: 117 Resp: 147206  
Ion Ratio Lower Upper  
117 100  
82 59.2 46.2 69.4  
119 31.9 25.4 38.2



#60  
4-Bromofluorobenzene  
Concen: 25.348 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084347.D  
Acq: 08 Oct 2024 14:11

Tgt Ion: 95 Resp: 61583  
Ion Ratio Lower Upper  
95 100  
174 72.9 58.2 87.2  
176 69.9 56.4 84.6





#63

Toluene-d8

Concen: 29.484 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN084347.D

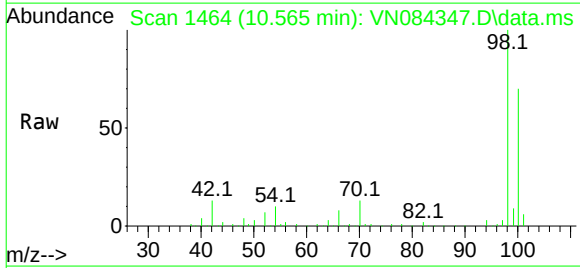
Acq: 08 Oct 2024 14:11

Instrument :

MSVOA\_N

ClientSampleId :

14B-1



Tgt Ion: 98 Resp: 201067

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7

