

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071825\  
 Data File : VN087360.D  
 Acq On : 18 Jul 2025 12:55  
 Operator : JC\MD  
 Sample : Q2594-01 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CC-071325-RW

Quant Time: Jul 18 23:18:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062525W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jun 25 10:49:56 2025  
 Response via : Initial Calibration

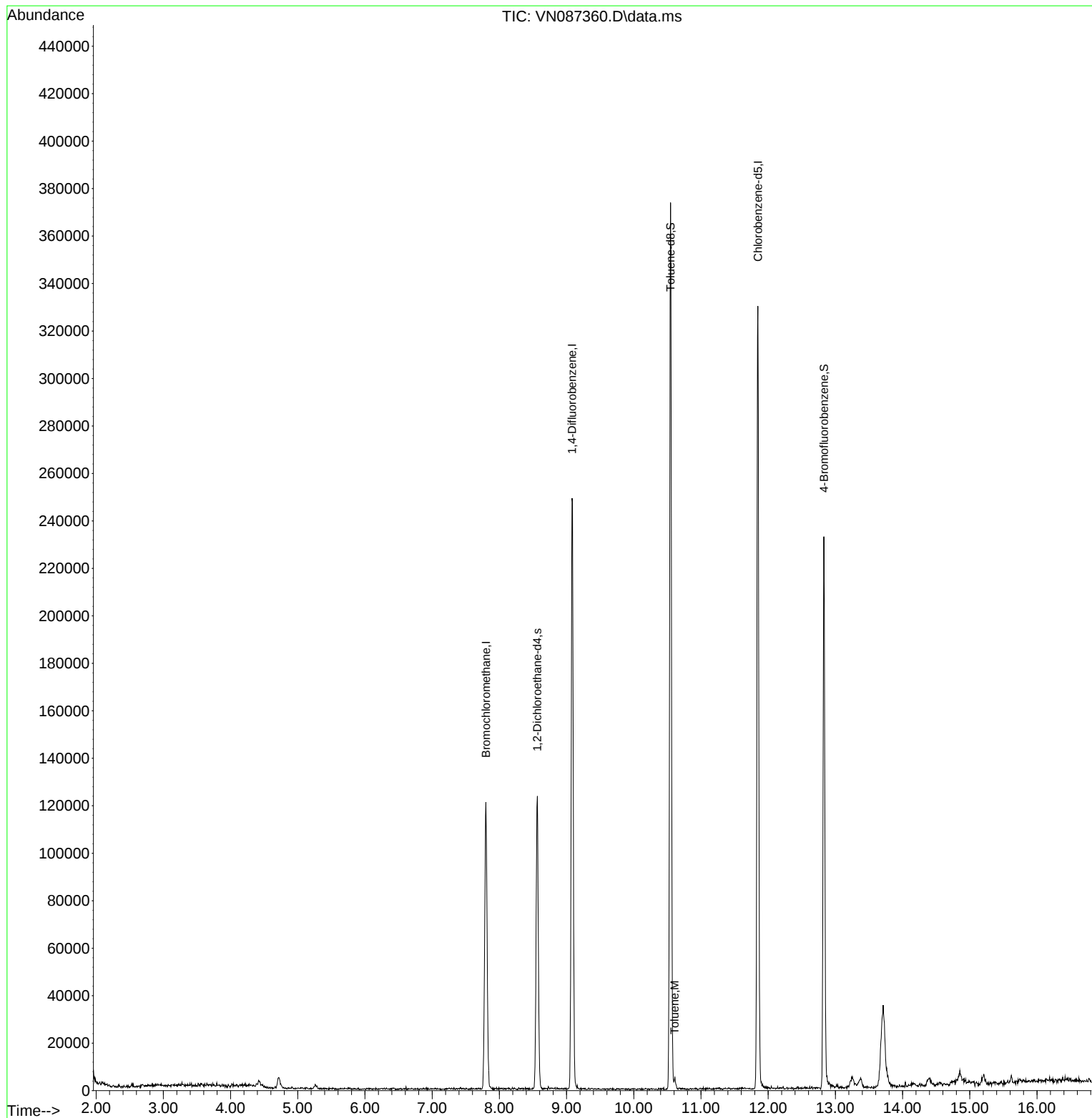
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Bromochloromethane       | 7.800  | 128   | 40858    | 30.000   | ug/l  | -0.02     |
| 28) 1,4-Difluorobenzene     | 9.082  | 114   | 215460   | 30.000   | ug/l  | -0.02     |
| 57) Chlorobenzene-d5        | 11.847 | 117   | 192077   | 30.000   | ug/l  | -0.02     |
| System Monitoring Compounds |        |       |          |          |       |           |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 104463   | 33.934   | ug/l  | -0.02     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 113.100%# |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 83977    | 28.333   | ug/l  | -0.02     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 94.433%   |
| 63) Toluene-d8              | 10.547 | 98    | 250667   | 29.065   | ug/l  | -0.02     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 96.900%   |
| Target Compounds            |        |       |          |          |       |           |
| 62) Toluene                 | 10.606 | 91    | 3435     | 0.317    | ug/l  | Qvalue 92 |
| -----                       |        |       |          |          |       |           |

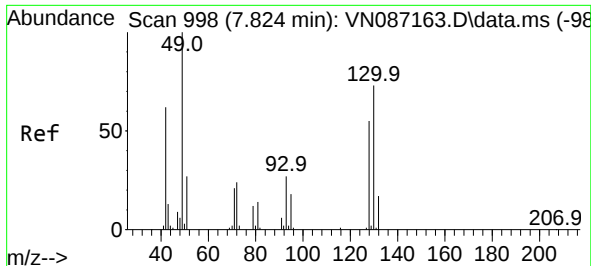
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Jun 25 10:49:56 2025  
Response via : Initial Calibration

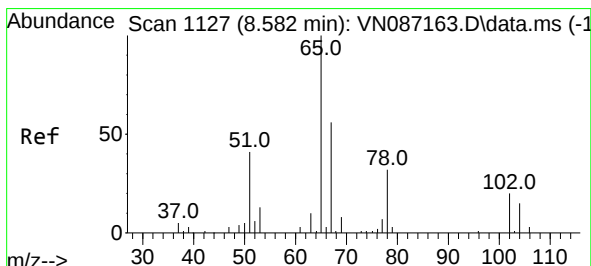
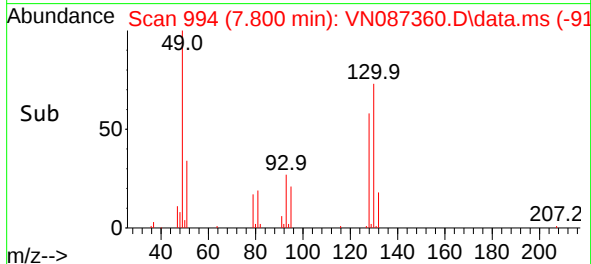
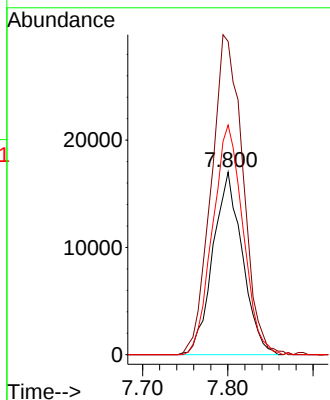
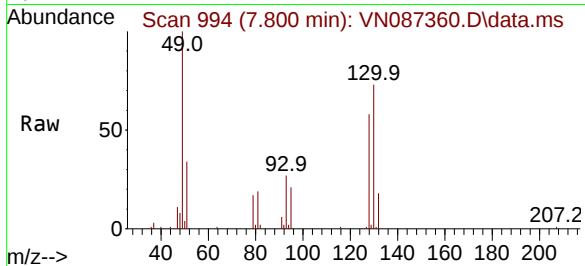




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 91  
Delta R.T. -0.024 min  
Lab File: VN087360.D  
Acq: 18 Jul 2025 12:55

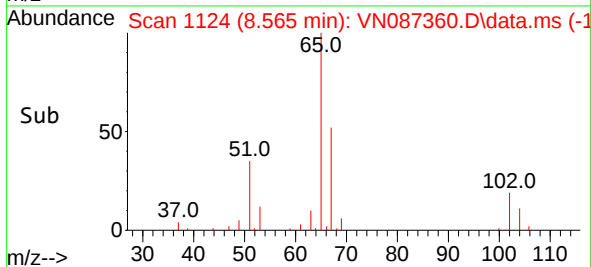
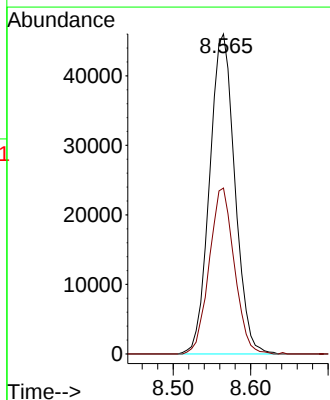
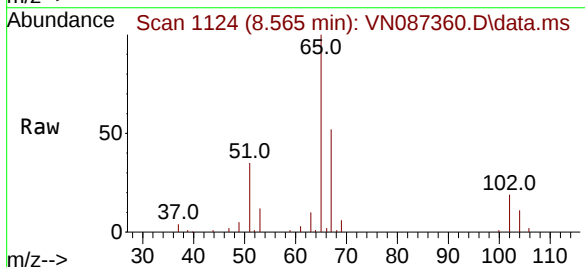
Instrument :  
MSVOA\_N  
ClientSampleId :  
CC-071325-RW

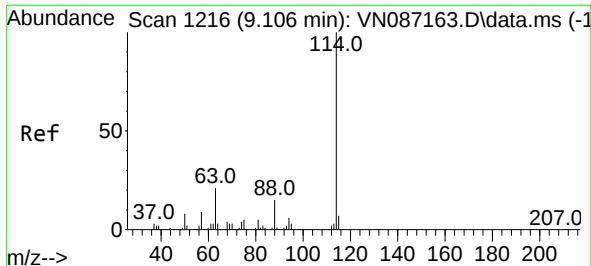
Tgt Ion:128 Resp: 40858  
Ion Ratio Lower Upper  
128 100  
49 187.8 0.0 450.5  
130 129.8 0.0 320.7



#27  
1,2-Dichloroethane-d4  
Concen: 33.934 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. -0.018 min  
Lab File: VN087360.D  
Acq: 18 Jul 2025 12:55

Tgt Ion: 65 Resp: 104463  
Ion Ratio Lower Upper  
65 100  
67 51.5 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN087360.D

Acq: 18 Jul 2025 12:55

Instrument :

MSVOA\_N

ClientSampleId :

CC-071325-RW

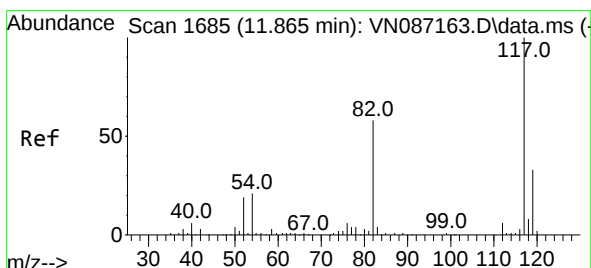
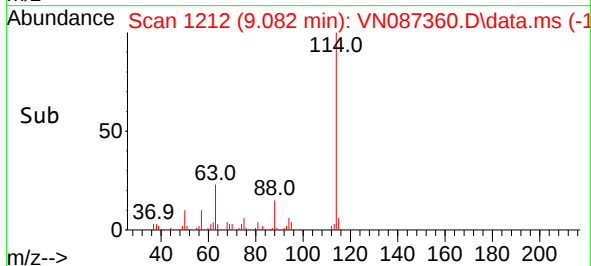
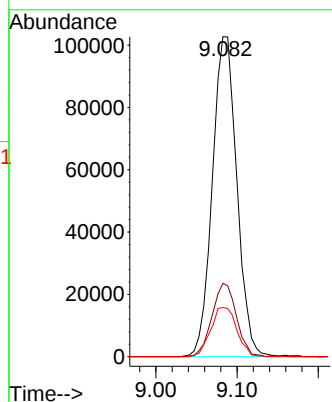
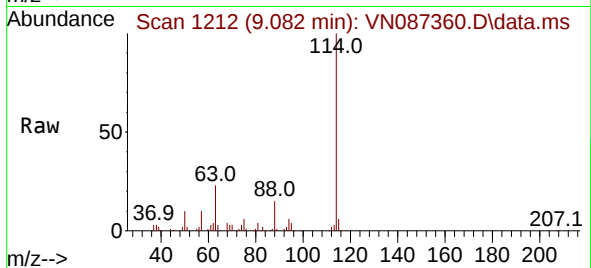
Tgt Ion:114 Resp: 215460

Ion Ratio Lower Upper

114 100

63 22.7 17.0 25.4

88 16.3 12.6 19.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.018 min

Lab File: VN087360.D

Acq: 18 Jul 2025 12:55

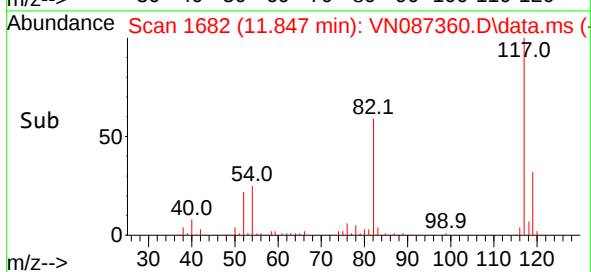
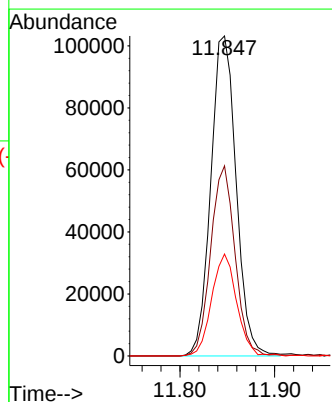
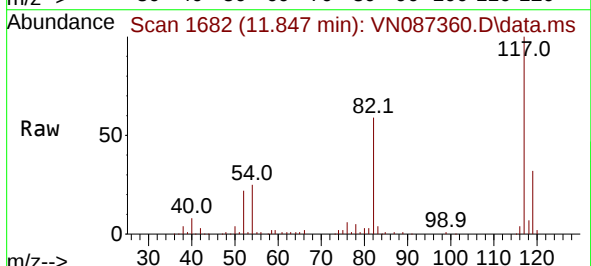
Tgt Ion:117 Resp: 192077

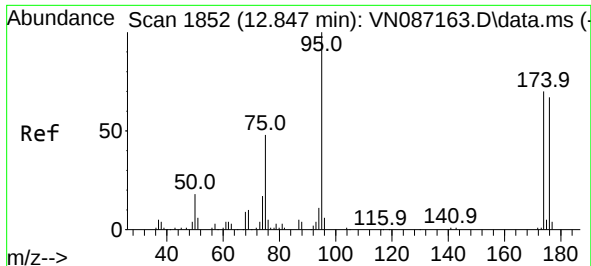
Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.2

119 31.1 26.2 39.4

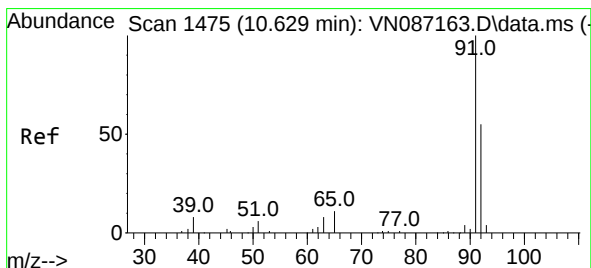
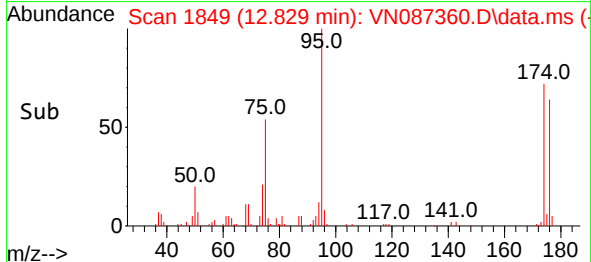
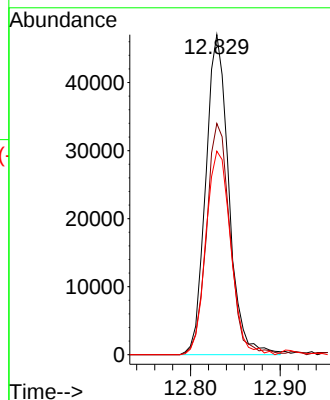
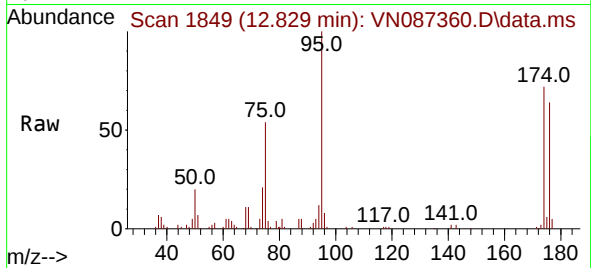




#60  
4-Bromofluorobenzene  
Concen: 28.333 ug/l  
RT: 12.829 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VN087360.D  
Acq: 18 Jul 2025 12:55

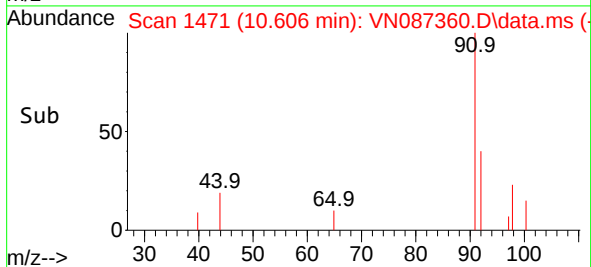
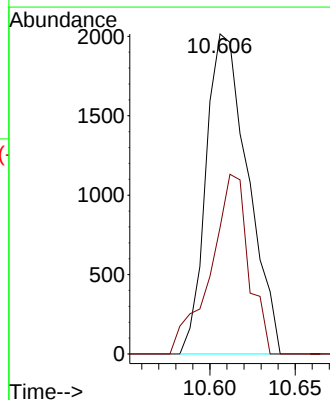
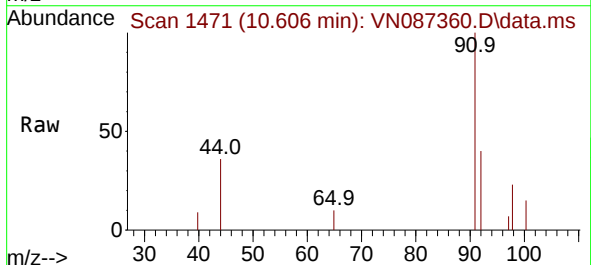
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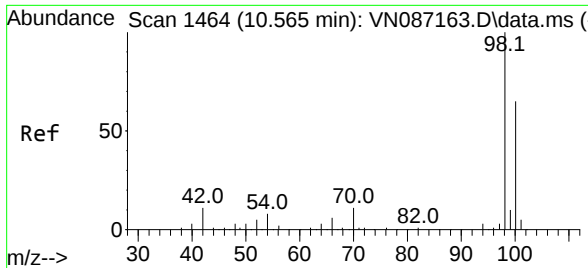
Tgt Ion: 95 Resp: 83977  
Ion Ratio Lower Upper  
95 100  
174 72.8 54.5 81.7  
176 67.6 51.9 77.9



#62  
Toluene  
Concen: 0.317 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. -0.024 min  
Lab File: VN087360.D  
Acq: 18 Jul 2025 12:55

Tgt Ion: 91 Resp: 3435  
Ion Ratio Lower Upper  
91 100  
92 51.1 45.8 68.8





#63  
Toluene-d8  
Concen: 29.065 ug/l  
RT: 10.547 min Scan# 14  
Delta R.T. -0.018 min  
Lab File: VN087360.D  
Acq: 18 Jul 2025 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
CC-071325-RW

Tgt Ion: 98 Resp: 250667  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.5 78.7

