

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081123\  
 Data File : VN078865.D  
 Acq On : 11 Aug 2023 16:03  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Aug 12 01:42:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N080823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 09 05:05:47 2023  
 Response via : Initial Calibration

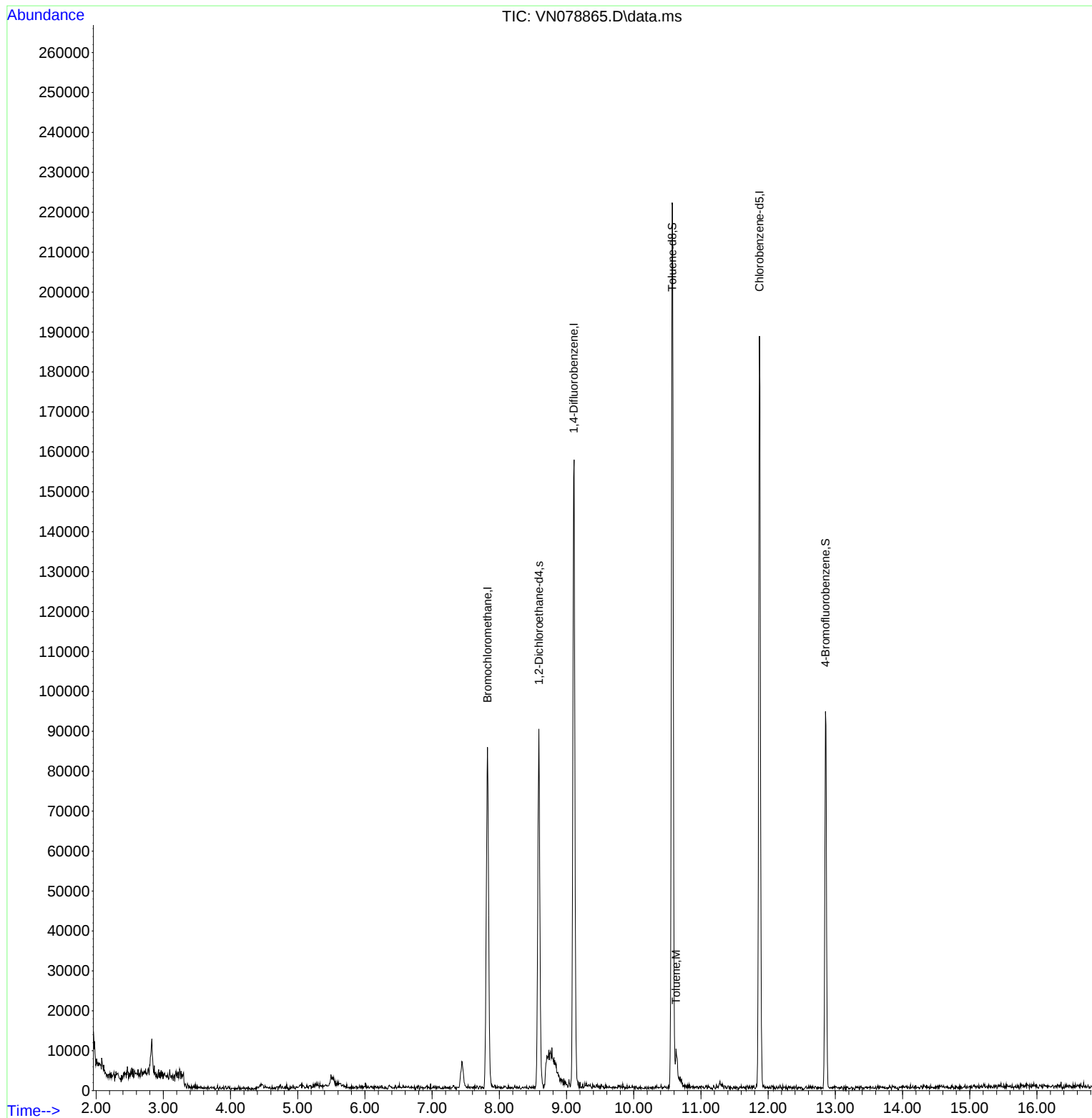
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Bromochloromethane       | 7.824  | 128   | 25627    | 30.000   | ug/l  | 0.00        |
| 28) 1,4-Difluorobenzene     | 9.106  | 114   | 125068   | 30.000   | ug/l  | 0.00        |
| 57) Chlorobenzene-d5        | 11.871 | 117   | 103147   | 30.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 27) 1,2-Dichloroethane-d4   | 8.589  | 65    | 65895    | 31.938   | ug/l  | 0.00        |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 106.467%    |
| 60) 4-Bromofluorobenzene    | 12.853 | 95    | 31039    | 21.438   | ug/l  | 0.00        |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 71.467%     |
| 63) Toluene-d8              | 10.571 | 98    | 151635   | 30.000   | ug/l  | 0.00        |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 100.000%    |
| Target Compounds            |        |       |          |          |       |             |
| 62) Toluene                 | 10.630 | 91    | 6271     | 1.033    | ug/l  | Qvalue # 83 |
| -----                       |        |       |          |          |       |             |

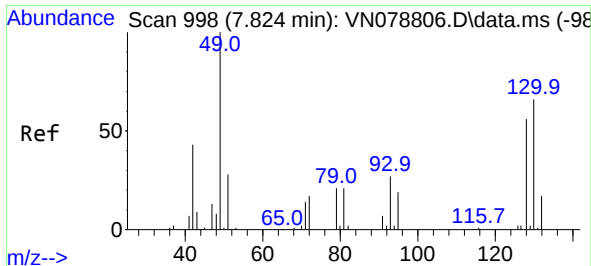
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 09 05:05:47 2023  
Response via : Initial Calibration

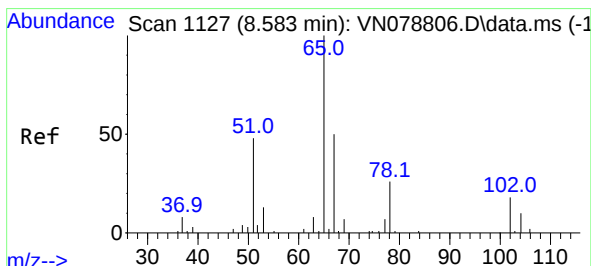
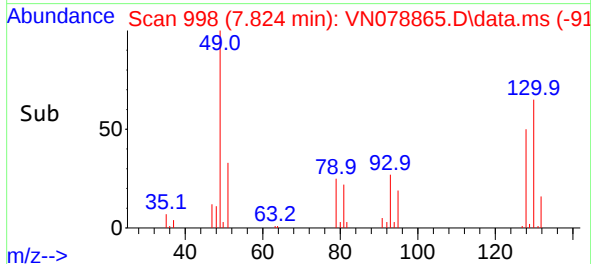
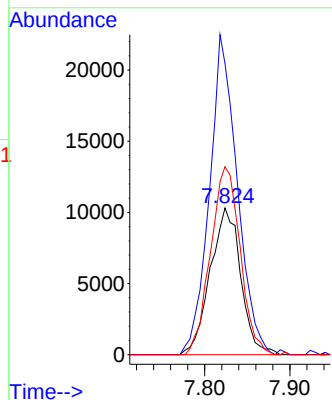
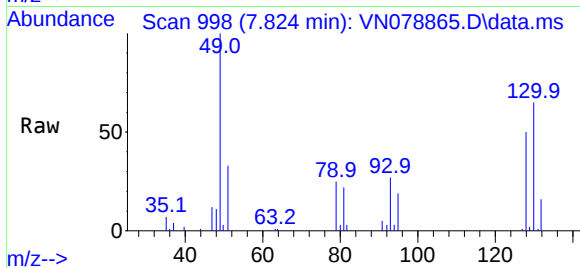




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.824 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

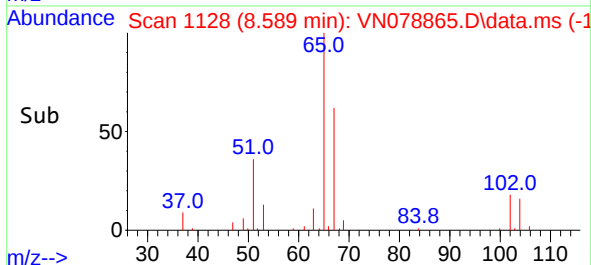
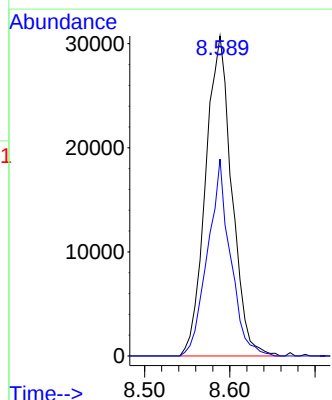
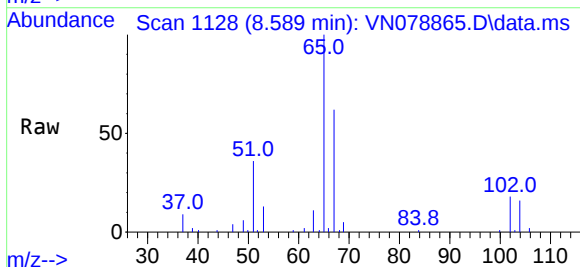
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

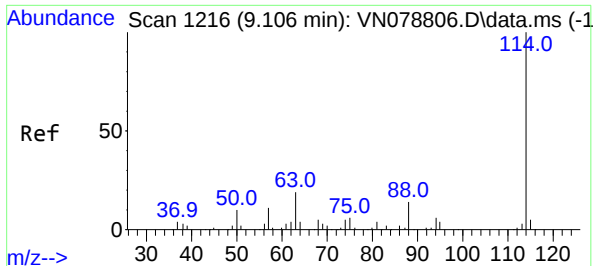
Tgt Ion:128 Resp: 25627  
Ion Ratio Lower Upper  
128 100  
49 199.0 0.0 370.8  
130 124.6 0.0 307.0



#27  
1,2-Dichloroethane-d4  
Concen: 31.938 ug/l  
RT: 8.589 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

Tgt Ion: 65 Resp: 65895  
Ion Ratio Lower Upper  
65 100  
67 53.6 42.9 64.3

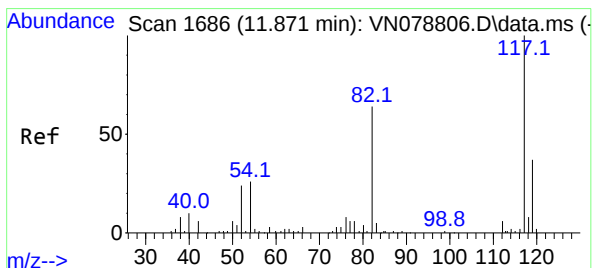
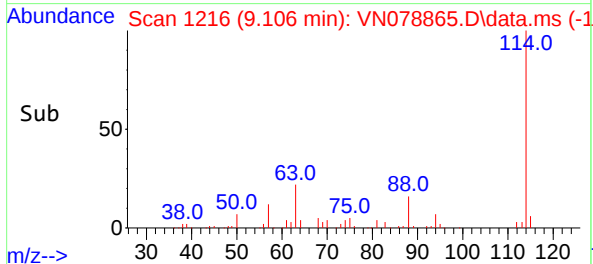
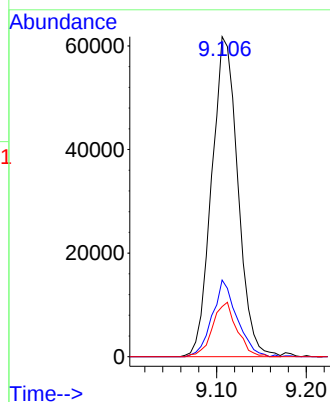
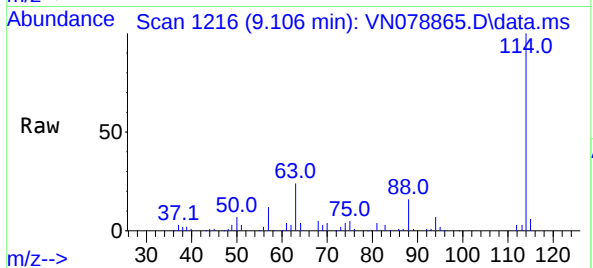




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

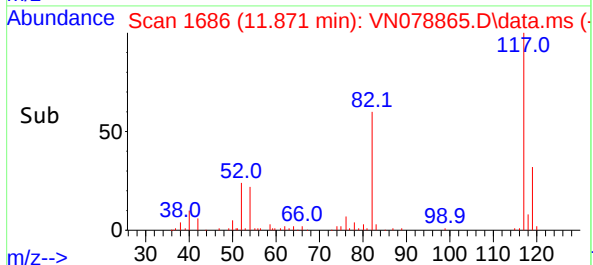
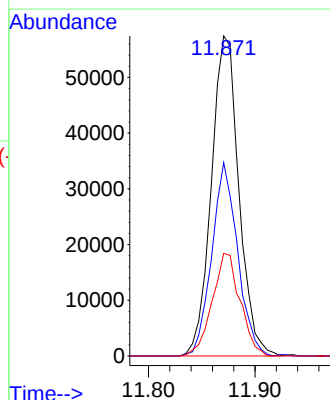
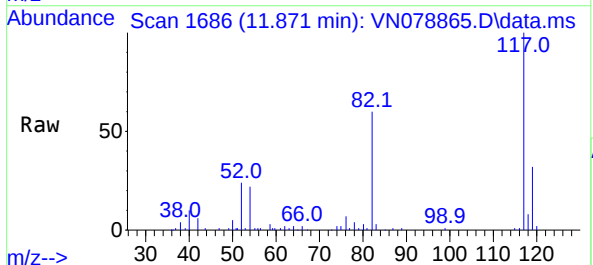
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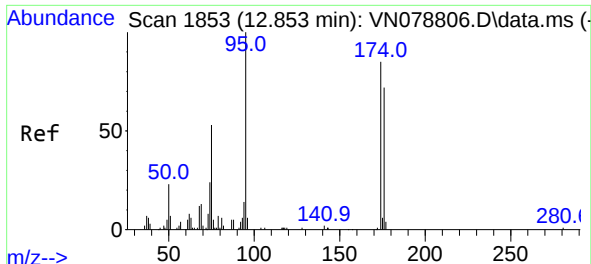
Tgt Ion:114 Resp: 125068  
Ion Ratio Lower Upper  
114 100  
63 22.6 15.2 22.8  
88 15.8 12.5 18.7



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

Tgt Ion:117 Resp: 103147  
Ion Ratio Lower Upper  
117 100  
82 56.8 43.9 65.9  
119 32.5 26.2 39.4

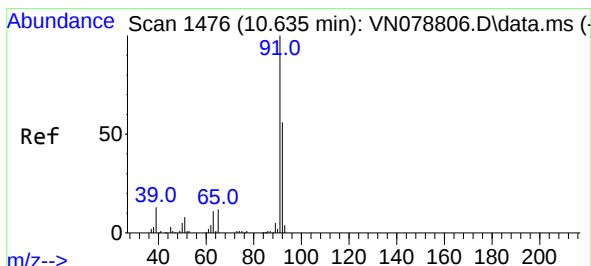
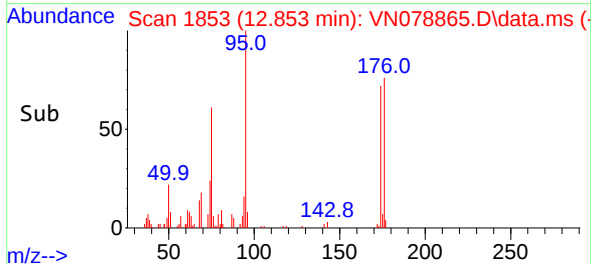
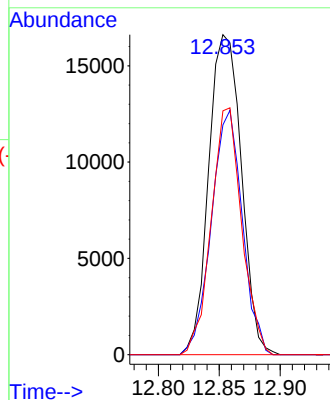
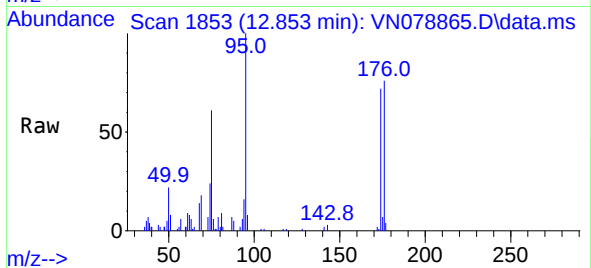




#60  
4-Bromofluorobenzene  
Concen: 21.438 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

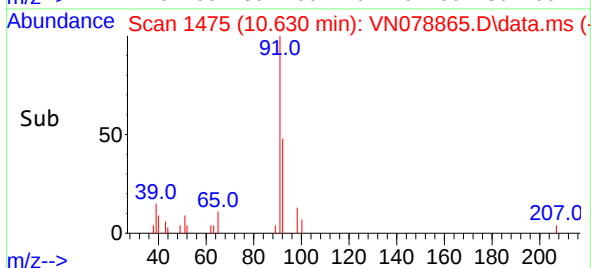
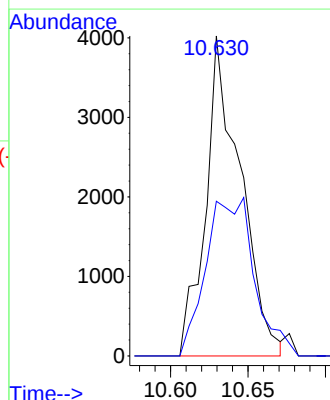
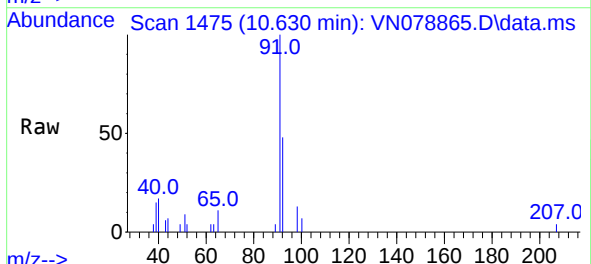
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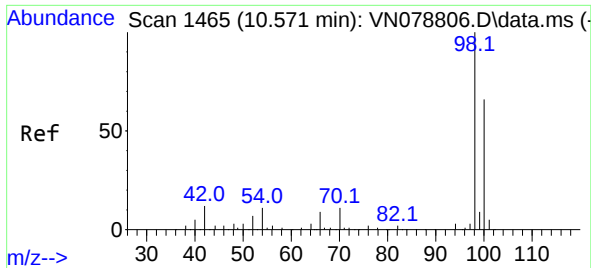
Tgt Ion: 95 Resp: 31039  
Ion Ratio Lower Upper  
95 100  
174 72.2 61.7 92.5  
176 71.9 58.1 87.1



#62  
Toluene  
Concen: 1.033 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

Tgt Ion: 91 Resp: 6271  
Ion Ratio Lower Upper  
91 100  
92 44.0 45.2 67.8#





#63  
Toluene-d8  
Concen: 30.000 ug/l  
RT: 10.571 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VN078865.D  
Acq: 11 Aug 2023 16:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion: 98 Resp: 151635  
Ion Ratio Lower Upper  
98 100  
100 64.6 49.7 74.5

