

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050224\  
 Data File : VN081978.D  
 Acq On : 02 May 2024 15:41  
 Operator : JC\MD  
 Sample : P2359-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 240410100-04

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 05/03/2024  
 Supervised By :Semsettin Yesilyurt 05/03/2024

Quant Time: May 03 00:11:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Apr 27 04:37:27 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon     | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|--------|----------|----------|--------|----------|----------|
| -----                       |        |          |          |        |          |          |
| Internal Standards          |        |          |          |        |          |          |
| 1) Bromochloromethane       | 7.812  | 128      | 24802    | 30.000 | ug/l     | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.100  | 114      | 153649   | 30.000 | ug/l     | 0.00     |
| 57) Chlorobenzene-d5        | 11.865 | 117      | 130576   | 30.000 | ug/l     | 0.00     |
|                             |        |          |          |        |          |          |
| System Monitoring Compounds |        |          |          |        |          |          |
| 27) 1,2-Dichloroethane-d4   | 8.582  | 65       | 68407    | 32.943 | ug/l     | 0.00     |
| Spiked Amount 30.000        | Range  | 91 - 110 | Recovery | =      | 109.800% |          |
| 60) 4-Bromofluorobenzene    | 12.853 | 95       | 60266    | 27.733 | ug/l     | 0.00     |
| Spiked Amount 30.000        | Range  | 63 - 112 | Recovery | =      | 92.433%  |          |
| 63) Toluene-d8              | 10.565 | 98       | 190044   | 30.647 | ug/l     | 0.00     |
| Spiked Amount 30.000        | Range  | 91 - 112 | Recovery | =      | 102.167% |          |
|                             |        |          |          |        |          |          |
| Target Compounds            |        |          |          |        |          |          |
| 15) Acetone                 | 4.430  | 58       | 4589m    | 23.674 | ug/l     | Qvalue   |
| 25) Chloroform              | 7.965  | 83       | 15696    | 5.240  | ug/l     | 94       |
| -----                       |        |          |          |        |          |          |

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

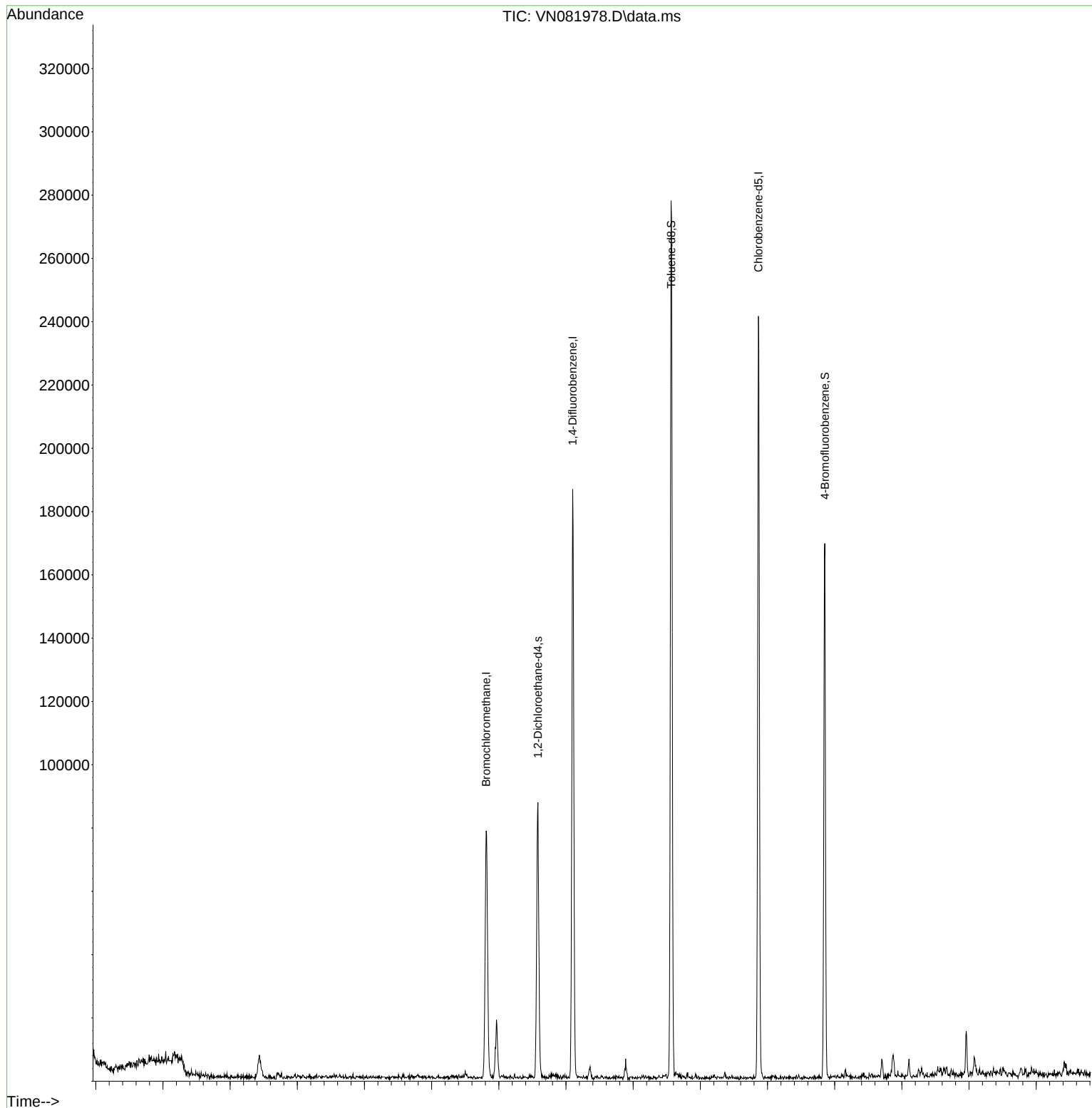
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050224\  
Data File : VN081978.D  
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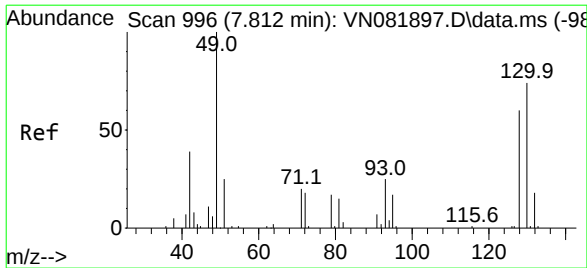
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410100-04

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 05/03/2024  
Supervised By :Semsettin Yesilyurt 05/03/2024

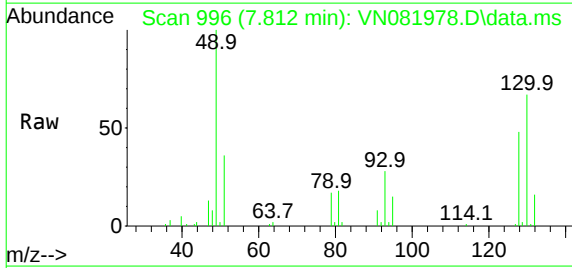
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Apr 27 04:37:27 2024  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN081978.D  
Acq: 02 May 2024 15:41

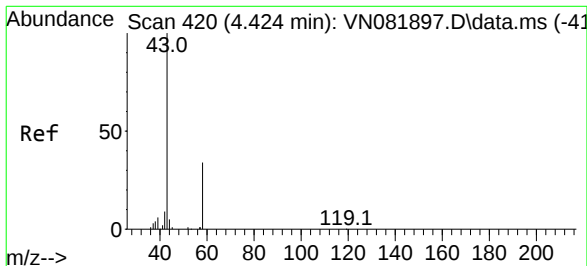
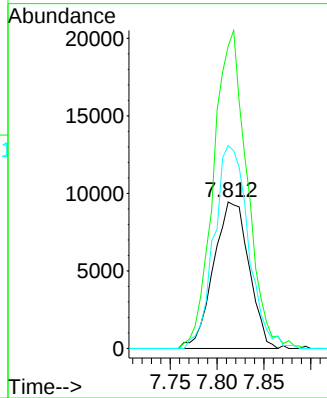
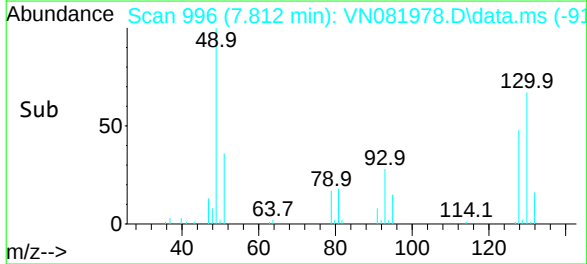
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410100-04



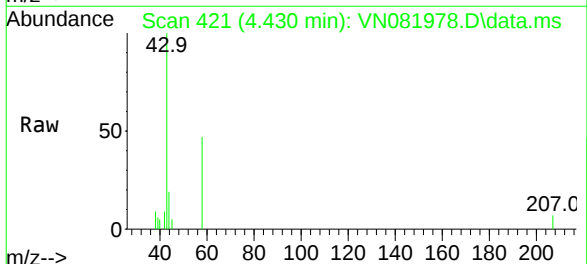
Tgt Ion: 128 Resp: 24802  
Ion Ratio Lower Upper  
128 100  
49 205.9 0.0 403.7  
130 134.2 0.0 323.3

Manual Integrations  
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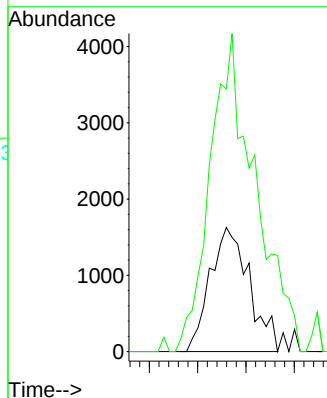
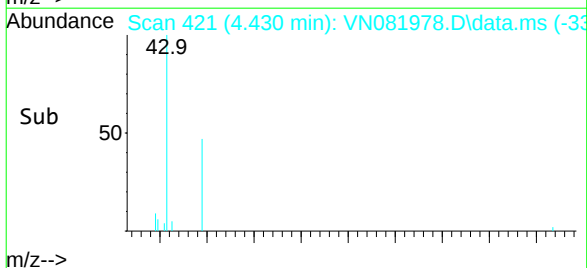
Reviewed By :Romaben Patel 05/03/2024  
Supervised By :Semsettin Yesilyurt 05/03/2024

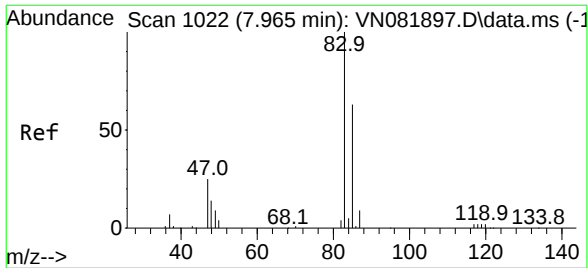


#15  
Acetone  
Concen: 23.674 ug/l m  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN081978.D  
Acq: 02 May 2024 15:41



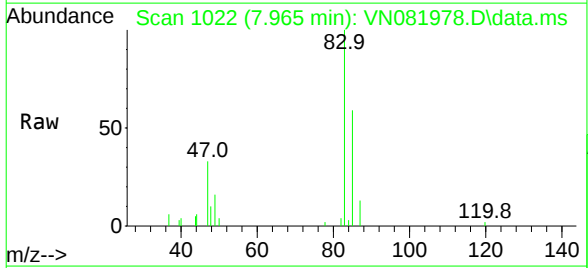
Tgt Ion: 58 Resp: 4589  
Ion Ratio Lower Upper  
58 100  
43 211.5 223.1 334.7#





#25  
Chloroform  
Concen: 5.240 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VN081978.D  
Acq: 02 May 2024 15:41

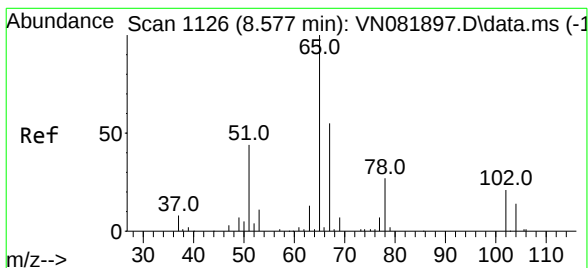
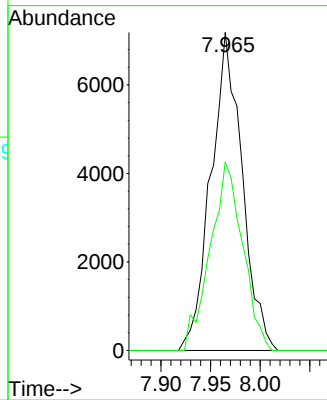
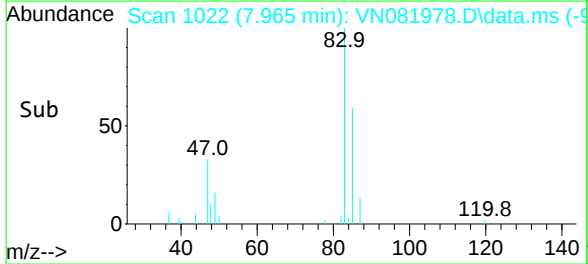
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410100-04



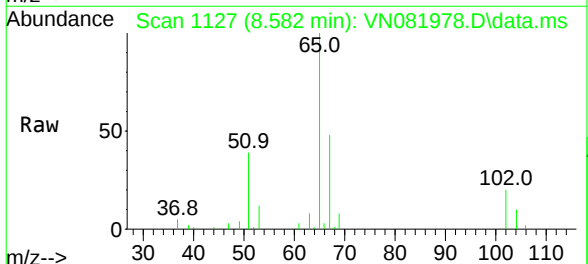
Tgt Ion: 83 Resp: 15696  
Ion Ratio Lower Upper  
83 100  
85 59.1 50.9 76.3

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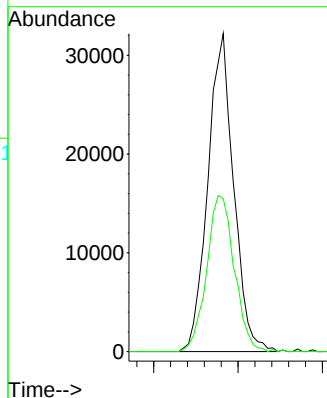
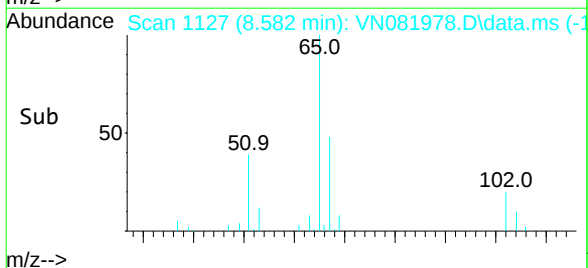
Reviewed By :Romaben Patel 05/03/2024  
Supervised By :Semsettin Yesilyurt 05/03/2024

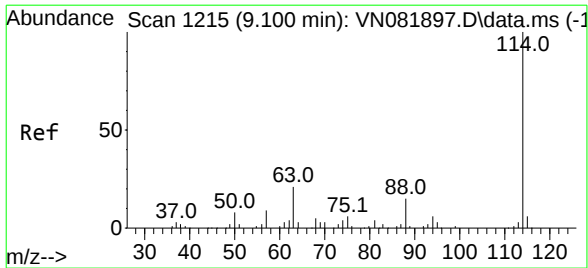


#27  
1,2-Dichloroethane-d4  
Concen: 32.943 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081978.D  
Acq: 02 May 2024 15:41



Tgt Ion: 65 Resp: 68407  
Ion Ratio Lower Upper  
65 100  
67 52.5 43.2 64.8





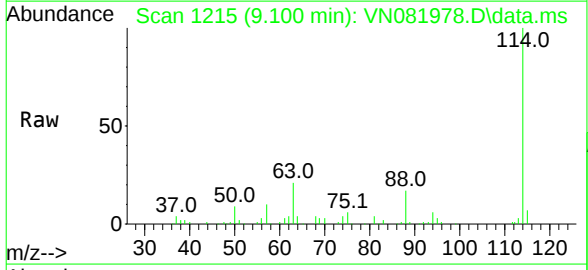
#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. -0.000 min  
 Lab File: VN081978.D  
 Acq: 02 May 2024 15:41

Instrument :

MSVOA\_N

ClientSampleId :

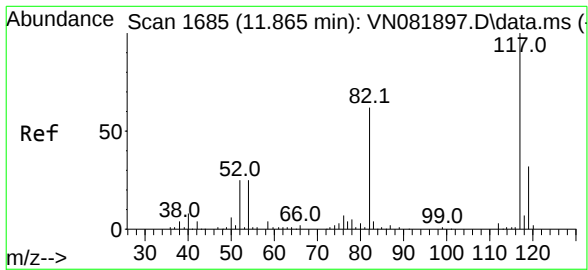
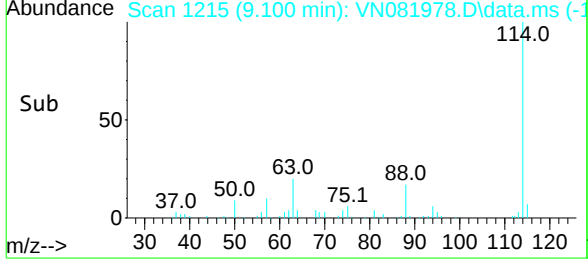
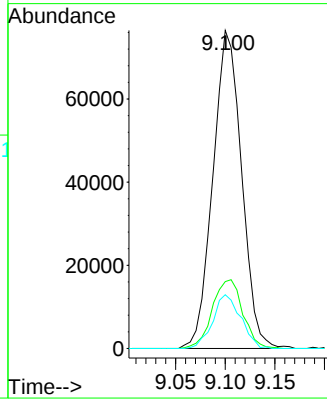
240410100-04



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 153649 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 22.9  | 15.9  | 23.9   |
| 88        | 16.4  | 12.7  | 19.1   |

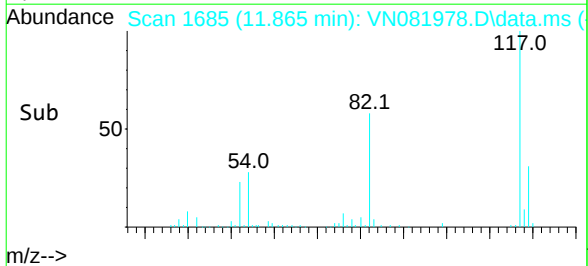
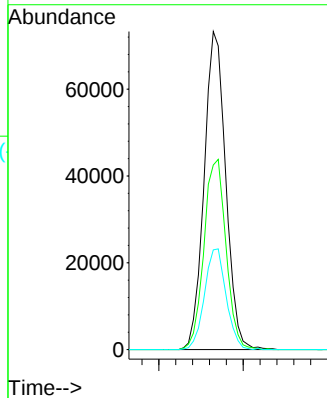
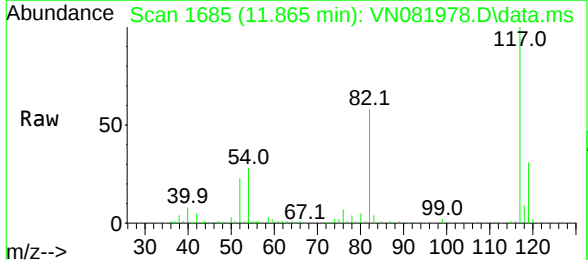
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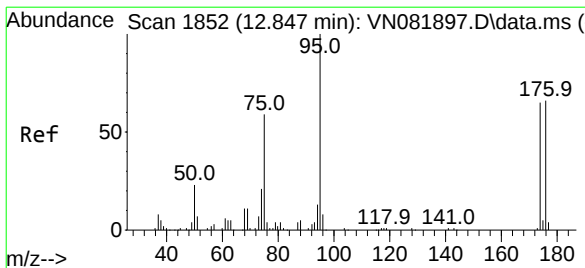
Reviewed By :Romaben Patel 05/03/2024  
 Supervised By :Semsettin Yesilyurt 05/03/2024



#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 11.865 min Scan# 1685  
 Delta R.T. -0.000 min  
 Lab File: VN081978.D  
 Acq: 02 May 2024 15:41

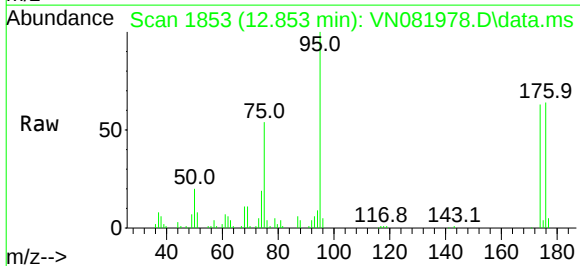
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 130576 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 61.0  | 46.6  | 69.8   |
| 119       | 31.7  | 25.4  | 38.2   |





#60  
4-Bromofluorobenzene  
Concen: 27.733 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081978.D  
Acq: 02 May 2024 15:41

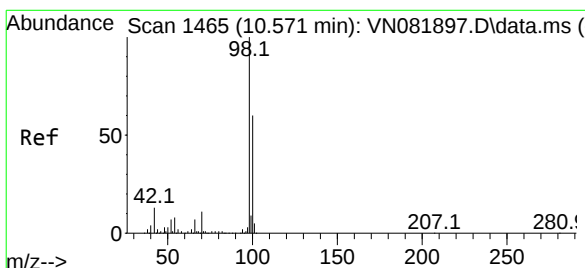
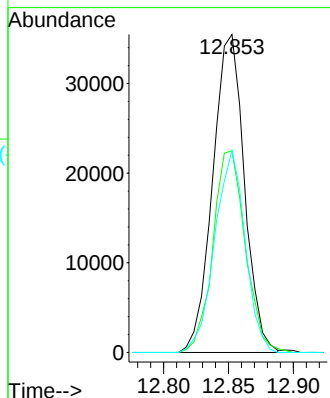
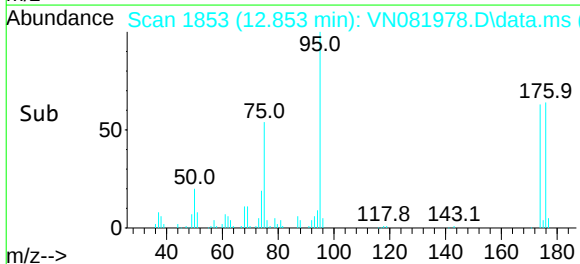
Instrument :  
MSVOA\_N  
ClientSampleId :  
240410100-04



Tgt Ion: 95 Resp: 60266  
Ion Ratio Lower Upper  
95 100  
174 64.8 60.5 90.7  
176 61.1 57.8 86.6

Manual Integrations  
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#63  
Toluene-d8  
Concen: 30.647 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN081978.D  
Acq: 02 May 2024 15:41

Tgt Ion: 98 Resp: 190044  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1

