

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081123\  
 Data File : VN078869.D  
 Acq On : 11 Aug 2023 17:40  
 Operator : JC\MD  
 Sample : 03987-02DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(JULY)DL

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/14/2023  
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 12 01:43:01 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       | 7.830  | 128      | 27252    | 30.000 | ug/l     | 0.00      |
| 28) 1,4-Difluorobenzene     | 9.106  | 114      | 137725   | 30.000 | ug/l     | 0.00      |
| 57) Chlorobenzene-d5        | 11.871 | 117      | 112556   | 30.000 | ug/l     | 0.00      |
|                             |        |          |          |        |          |           |
| System Monitoring Compounds |        |          |          |        |          |           |
| 27) 1,2-Dichloroethane-d4   | 8.588  | 65       | 68180    | 31.075 | ug/l     | 0.00      |
| Spiked Amount 30.000        | Range  | 91 - 110 | Recovery | =      | 103.600% |           |
| 60) 4-Bromofluorobenzene    | 12.853 | 95       | 32357    | 20.480 | ug/l     | 0.00      |
| Spiked Amount 30.000        | Range  | 63 - 112 | Recovery | =      | 68.267%  |           |
| 63) Toluene-d8              | 10.577 | 98       | 164753   | 29.870 | ug/l     | 0.00      |
| Spiked Amount 30.000        | Range  | 91 - 112 | Recovery | =      | 99.567%  |           |
|                             |        |          |          |        |          |           |
| Target Compounds            |        |          |          |        |          |           |
| 15) Acetone                 | 4.448  | 58       | 11323    | 50.559 | ug/l     | Qvalue 86 |
| 30) 2-Butanone              | 7.512  | 43       | 3435m    | 3.132  | ug/l     |           |
| 62) Toluene                 | 10.635 | 91       | 148767   | 22.450 | ug/l     | 100       |
| -----                       |        |          |          |        |          |           |

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

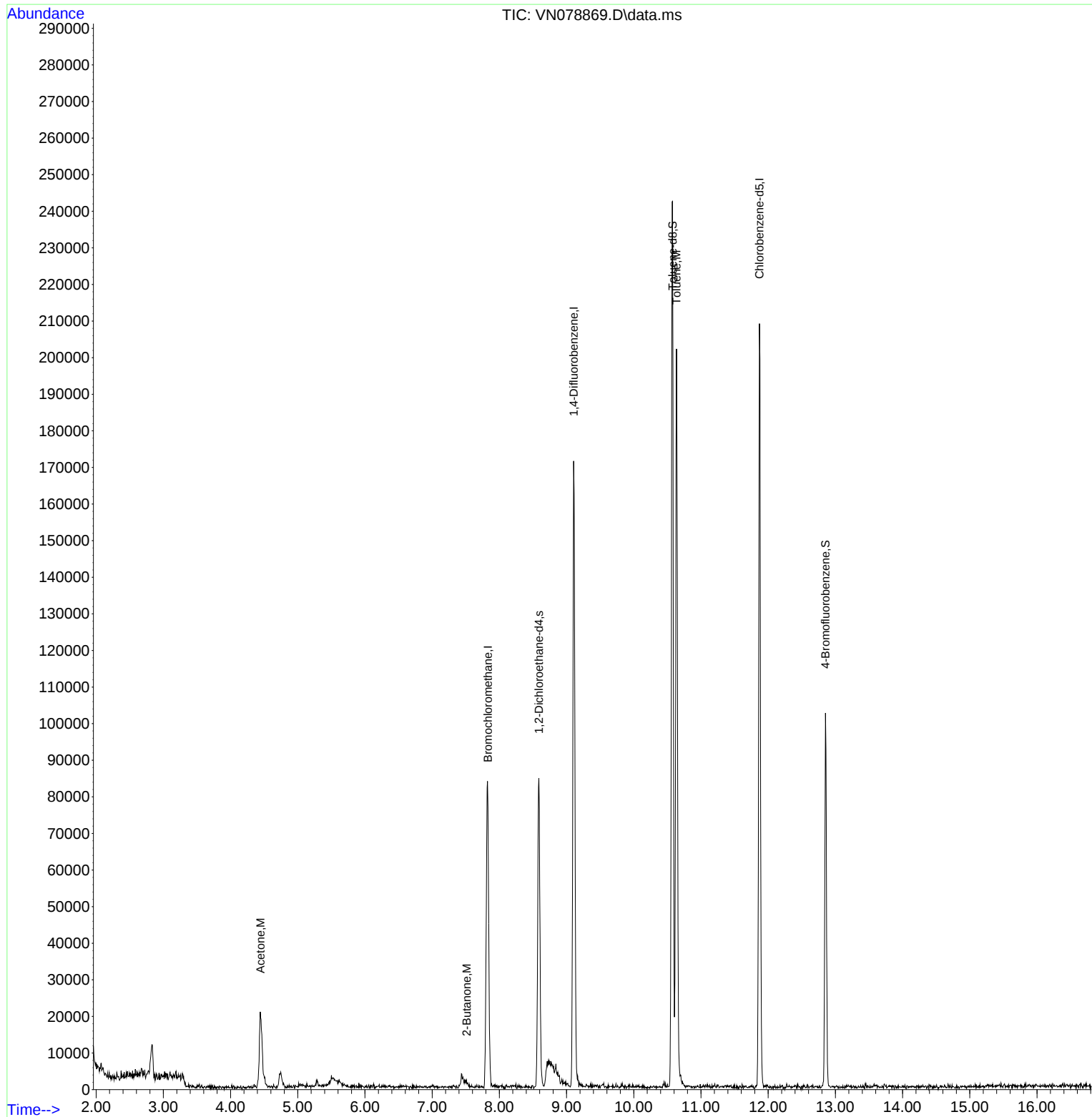
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081123\  
Data File : VN078869.D  
Acq On : 11 Aug 2023 17:40  
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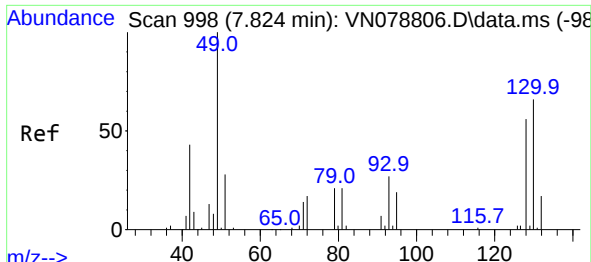
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JULY)DL

Quant Time: Aug 12 01:43:01 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

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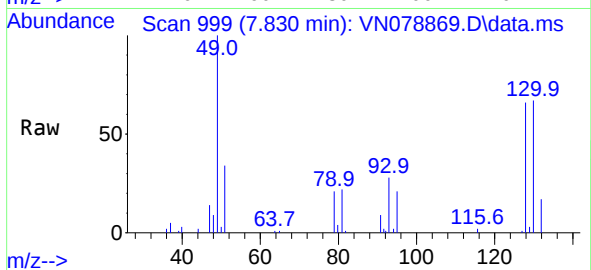
Reviewed By :John Carlone 08/14/2023  
Supervised By :Mahesh Dadoda 08/15/2023





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.830 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40

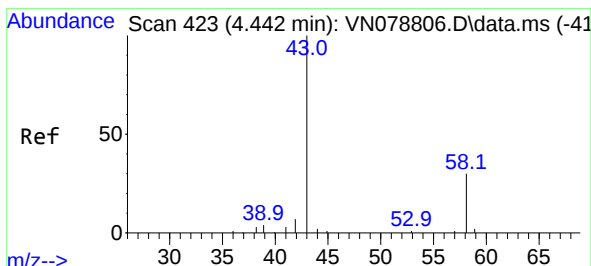
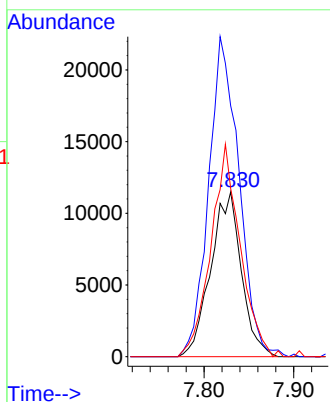
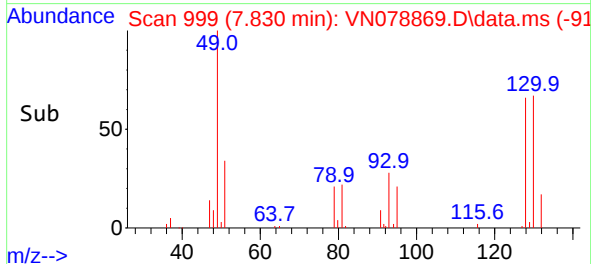
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JULY)DL



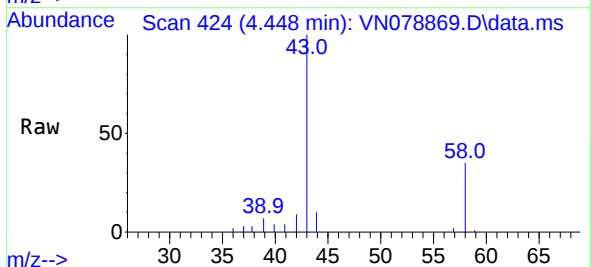
Tgt Ion:128 Resp: 2725  
Ion Ratio Lower Upper  
128 100  
49 191.6 0.0 370.8  
130 123.1 0.0 307.0

Manual Integrations  
APPROVED

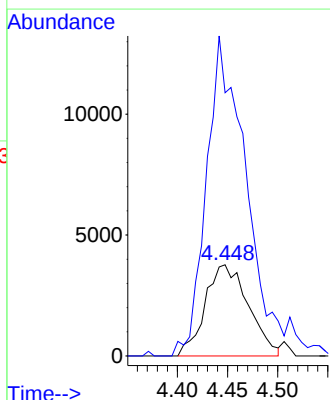
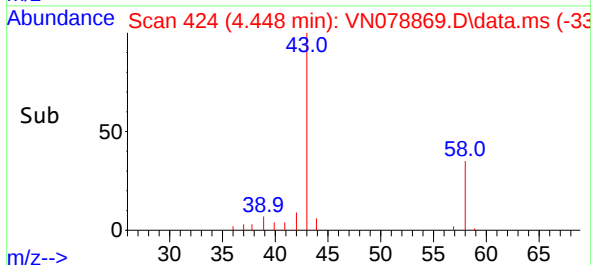
Reviewed By :John Carlone 08/14/2023  
Supervised By :Mahesh Dadoda 08/15/2023

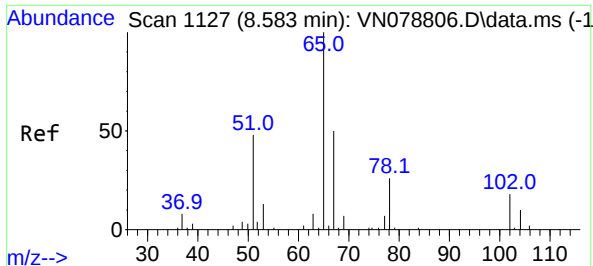


#15  
Acetone  
Concen: 50.559 ug/l  
RT: 4.448 min Scan# 424  
Delta R.T. 0.006 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40



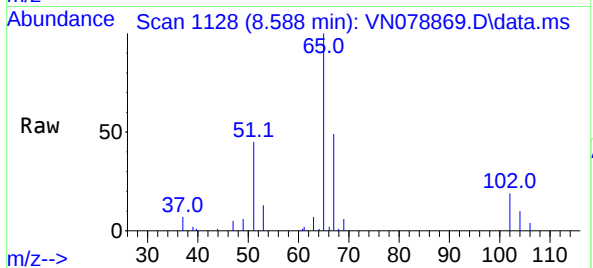
Tgt Ion: 58 Resp: 11323  
Ion Ratio Lower Upper  
58 100  
43 257.1 227.5 341.3





#27  
1,2-Dichloroethane-d4  
Concen: 31.075 ug/l  
RT: 8.588 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40

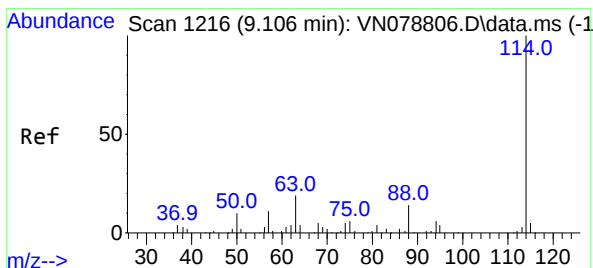
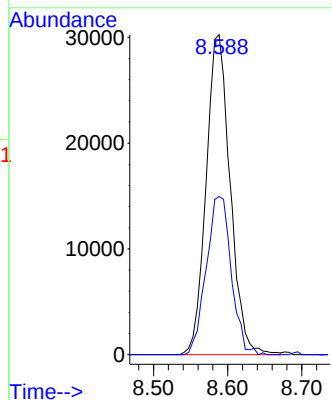
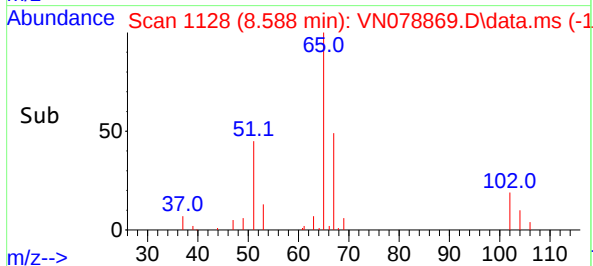
Instrument :  
MSVOA\_N  
ClientSampleId :  
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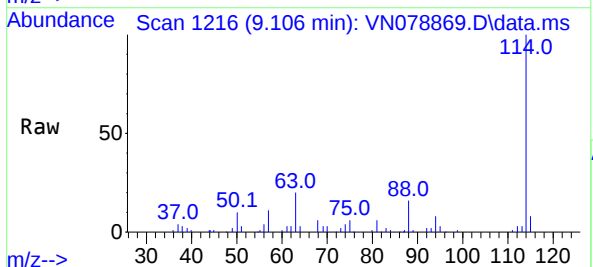
Tgt Ion: 65 Resp: 68180  
Ion Ratio Lower Upper  
65 100  
67 50.9 42.9 64.3

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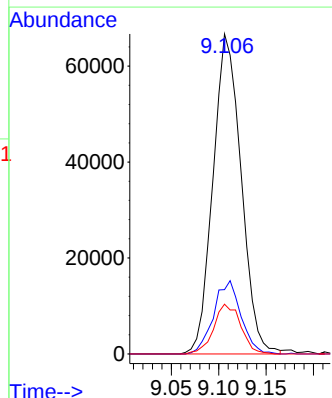
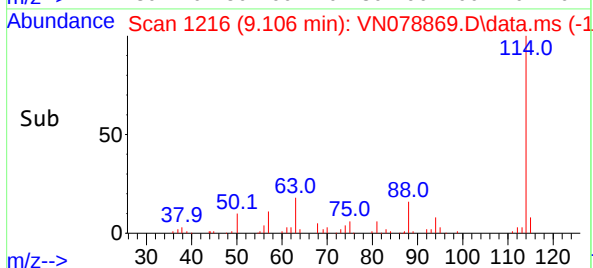
Reviewed By :John Carlone 08/14/2023  
Supervised By :Mahesh Dadoda 08/15/2023

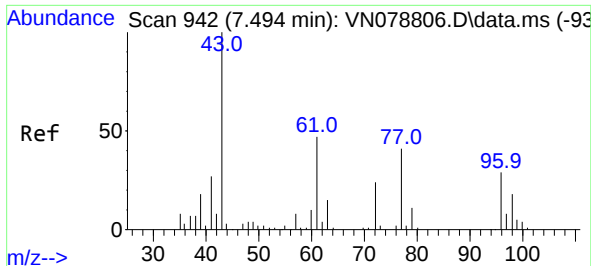


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.000 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40



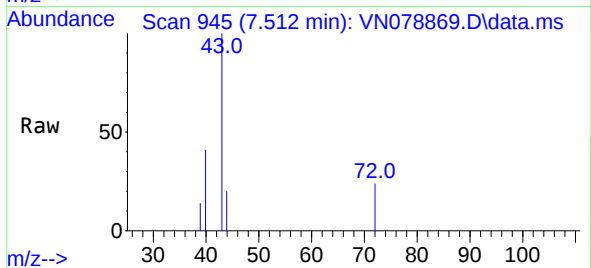
Tgt Ion:114 Resp: 137725  
Ion Ratio Lower Upper  
114 100  
63 22.3 15.2 22.8  
88 15.0 12.5 18.7





#30  
2-Butanone  
Concen: 3.132 ug/l m  
RT: 7.512 min Scan# 94  
Delta R.T. 0.018 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40

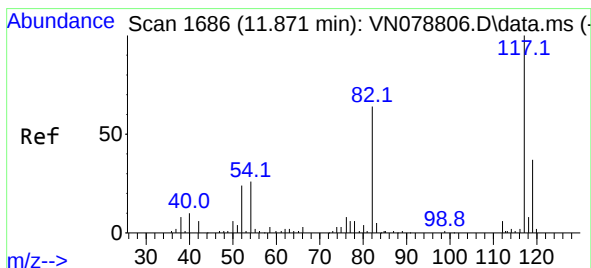
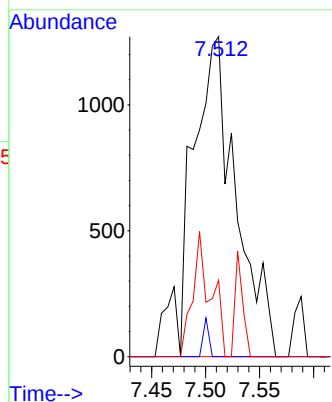
Instrument :  
MSVOA\_N  
ClientSampleId :  
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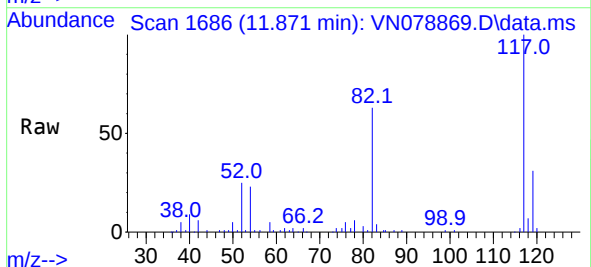
Tgt Ion: 43 Resp: 343  
Ion Ratio Lower Upper  
43 100  
57 0.0 6.8 10.2  
72 11.3 23.8 35.6

Manual Integrations  
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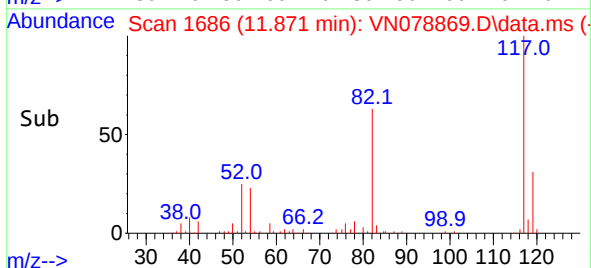
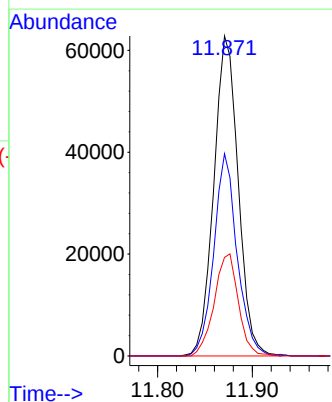
Reviewed By :John Carlone 08/14/2023  
Supervised By :Mahesh Dadoda 08/15/2023

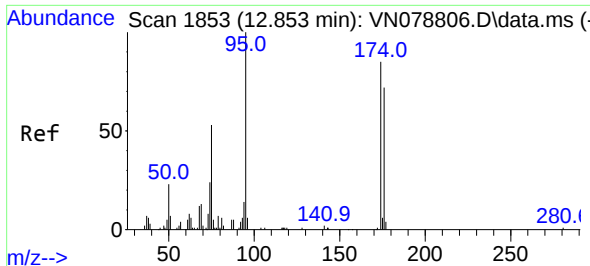


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40



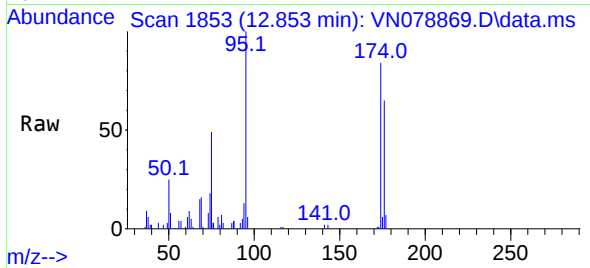
Tgt Ion: 117 Resp: 112556  
Ion Ratio Lower Upper  
117 100  
82 60.4 43.9 65.9  
119 31.5 26.2 39.4





#60  
4-Bromofluorobenzene  
Concen: 20.480 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40

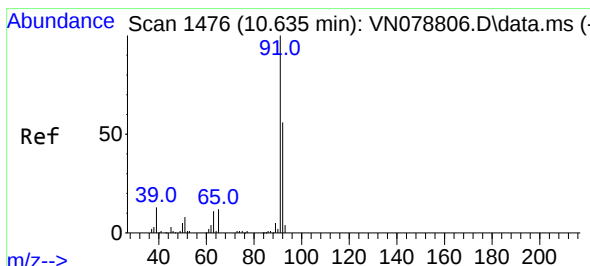
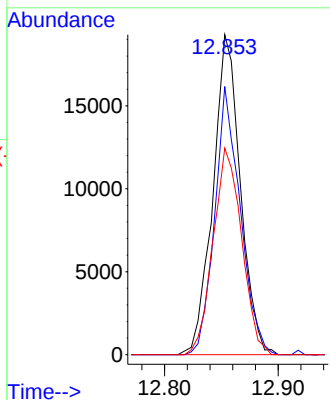
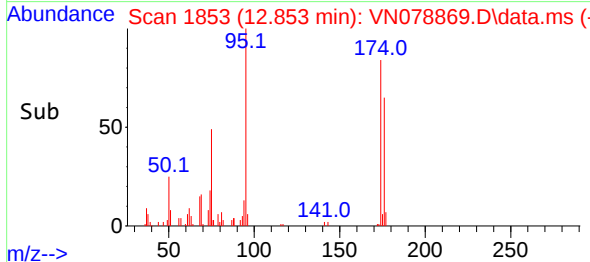
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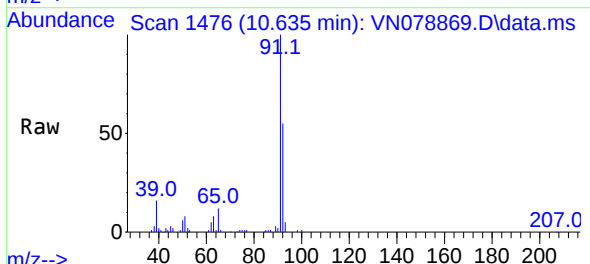
Tgt Ion: 95 Resp: 3235  
Ion Ratio Lower Upper  
95 100  
174 77.9 61.7 92.5  
176 67.2 58.1 87.1

Manual Integrations  
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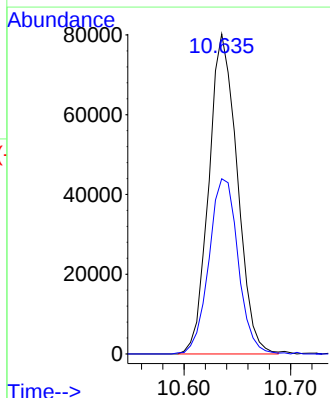
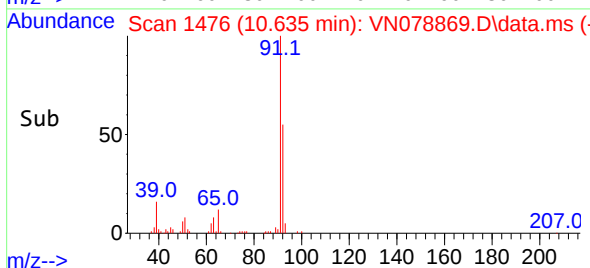
Reviewed By :John Carlone 08/14/2023  
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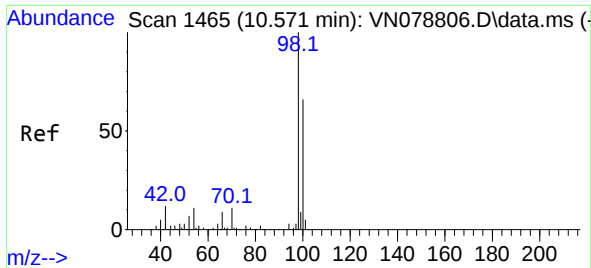


#62  
Toluene  
Concen: 22.450 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40



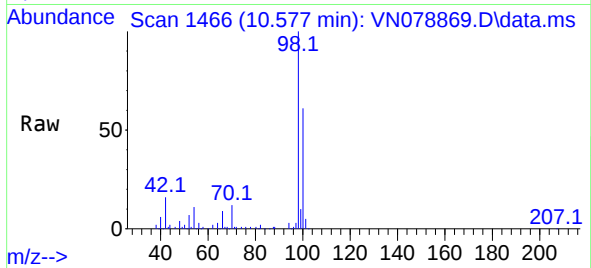
Tgt Ion: 91 Resp: 148767  
Ion Ratio Lower Upper  
91 100  
92 56.2 45.2 67.8





#63  
Toluene-d8  
Concen: 29.870 ug/l  
RT: 10.577 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: VN078869.D  
Acq: 11 Aug 2023 17:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(JULY)DL



Tgt Ion: 98 Resp: 16475  
Ion Ratio Lower Upper  
98 100  
100 63.9 49.7 74.5

Manual Integrations  
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