

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091224\  
 Data File : VN083850.D  
 Acq On : 13 Sep 2024 03:49  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Sep 13 05:59:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/13/2024  
 Supervised By : Mahesh Dadoda 09/13/2024

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 8.223          | 168  | 109504              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.099          | 114  | 231566              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.864         | 117  | 252637              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.793         | 152  | 118716              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.576          | 65   | 90684               | 54.921 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 109.840% |        |        |          |
| 35) Dibromofluoromethane     | 8.164          | 113  | 71771               | 48.414 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 96.820%  |        |        |          |
| 50) Toluene-d8               | 10.564         | 98   | 259535              | 50.642 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.280% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.846         | 95   | 120112              | 56.806 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 113.620% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 21) trans-1,2-Dichloroethene | 5.782          | 96   | 1458                | 1.149  | ug/l # | 81       |
| 53) t-1,3-Dichloropropene    | 10.835         | 75   | 2983                | 1.196  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene  | 10.311         | 75   | 1647                | 0.629  | ug/l # | 89       |
| 65) Chlorobenzene            | 11.887         | 112  | 3261                | 0.581  | ug/l   | 96       |
| 67) Ethyl Benzene            | 11.964         | 91   | 6076                | 0.609  | ug/l   | 95       |
| 69) o-Xylene                 | 12.399         | 106  | 2079                | 0.580  | ug/l   | 99       |
| 70) Styrene                  | 12.411         | 104  | 7549                | 1.283  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene      | 13.734         | 146  | 9683                | 2.321  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene      | 13.811         | 146  | 5688m               | 1.346  | ug/l   |          |
| 95) Naphthalene              | 15.640         | 128  | 17127               | 2.605  | ug/l   | 95       |
| -----                        |                |      |                     |        |        |          |

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

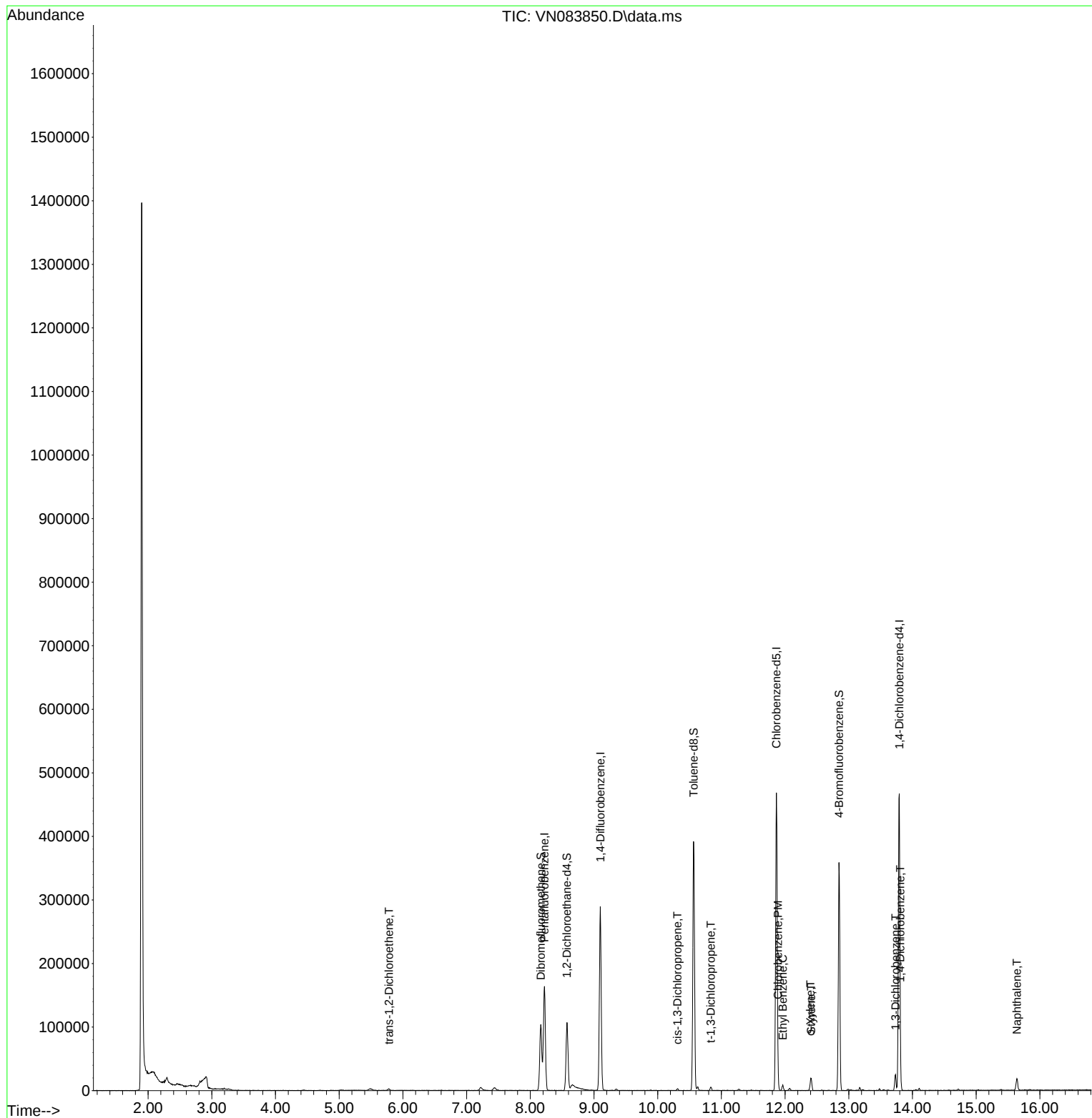
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091224\  
Data File : VN083850.D  
Acq On : 13 Sep 2024 03:49  
Operator : JC\MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 38 Sample Multiplier: 1

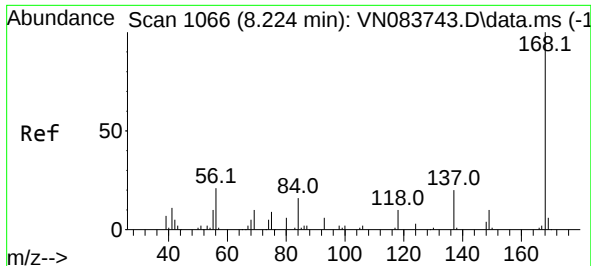
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Manual Integrations  
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Reviewed By : John Carlone 09/13/2024  
Supervised By : Mahesh Dadoda 09/13/2024

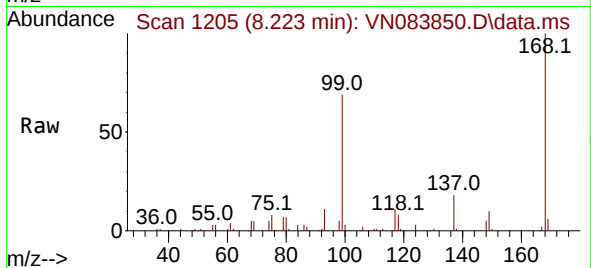
Quant Time: Sep 13 05:59:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.223 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

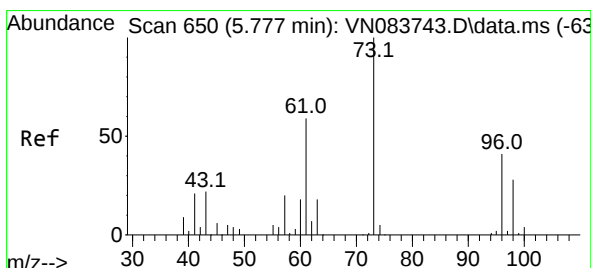
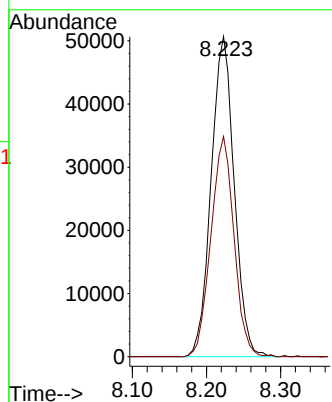
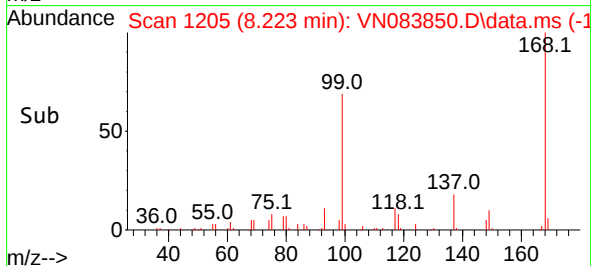
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



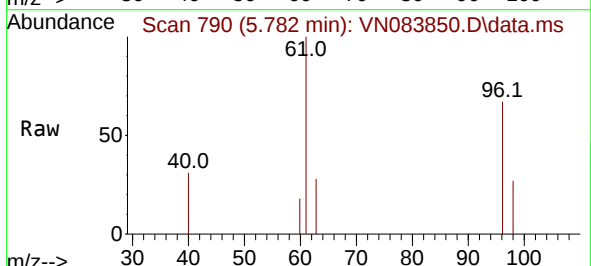
Tgt Ion:168 Resp: 109504  
Ion Ratio Lower Upper  
168 100  
99 68.8 54.2 81.2

Manual Integrations  
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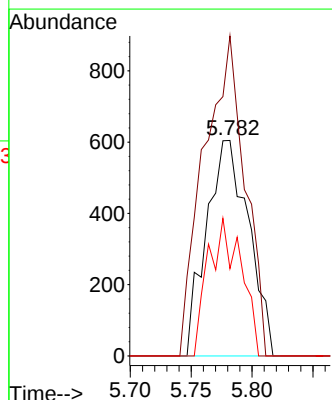
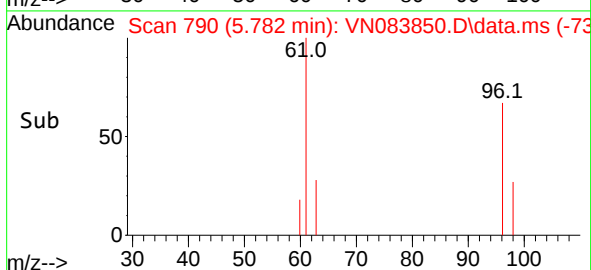
Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024

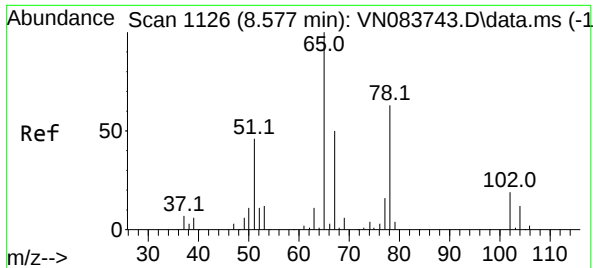


#21  
trans-1,2-Dichloroethene  
Concen: 1.149 ug/l  
RT: 5.782 min Scan# 790  
Delta R.T. 0.005 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49



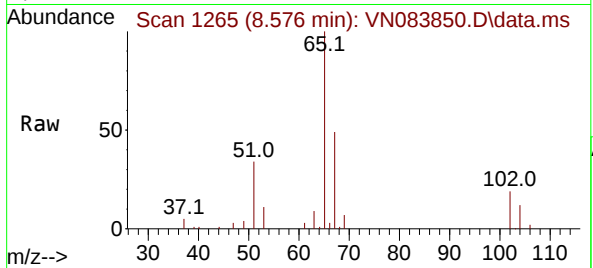
Tgt Ion: 96 Resp: 1458  
Ion Ratio Lower Upper  
96 100  
61 148.4 106.0 159.0  
98 40.5 52.2 78.2#





#33  
1,2-Dichloroethane-d4  
Concen: 54.921 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

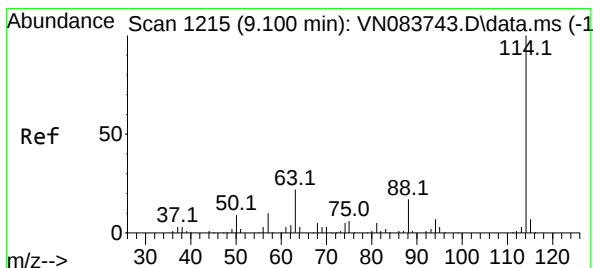
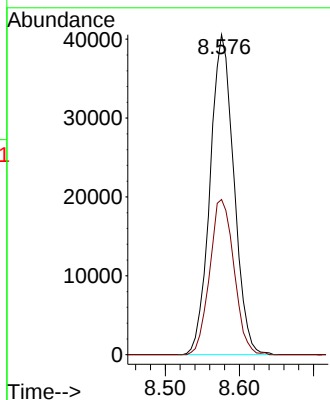
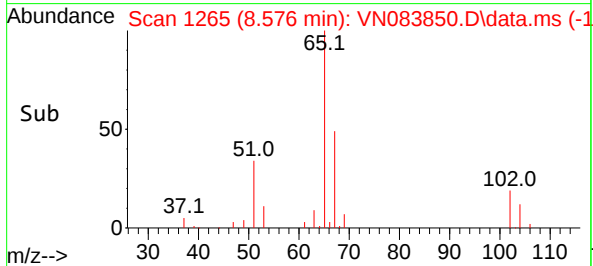
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



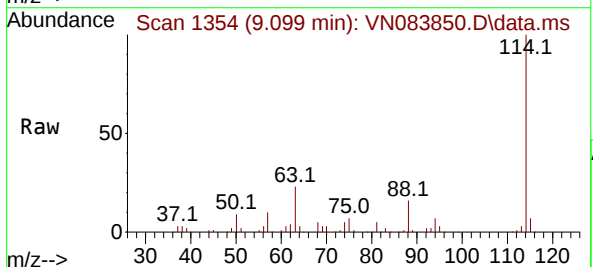
Tgt Ion: 65 Resp: 90684  
Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 100.8

Manual Integrations  
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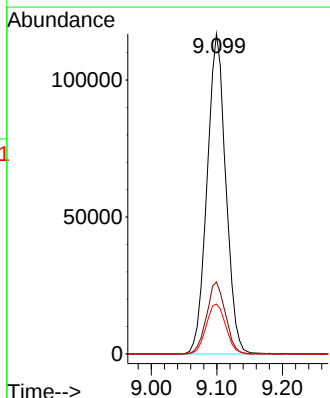
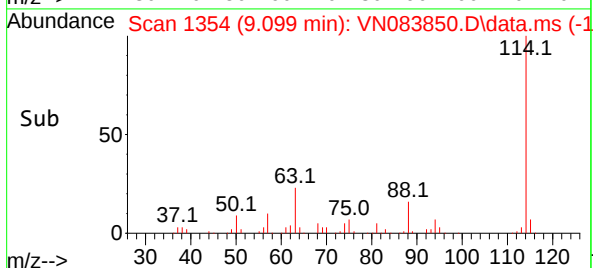
Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024

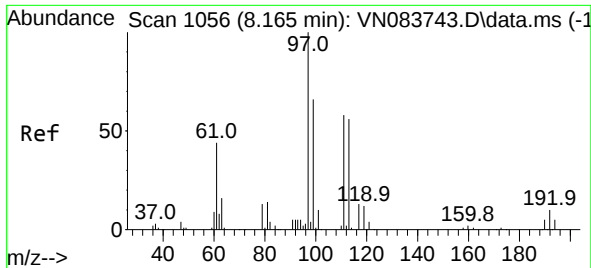


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.099 min Scan# 1354  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49



Tgt Ion:114 Resp: 231566  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 43.4  
88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.414 ug/l

RT: 8.164 min Scan# 1195

Delta R.T. -0.001 min

Lab File: VN083850.D

Acq: 13 Sep 2024 03:49

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

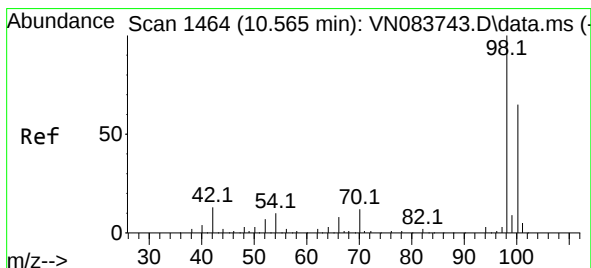
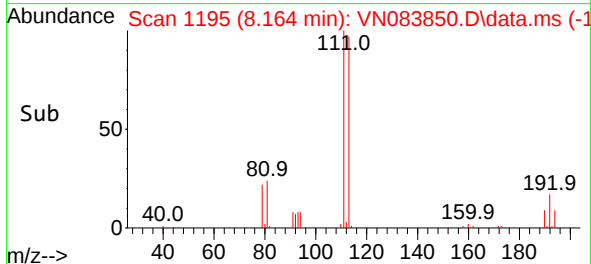
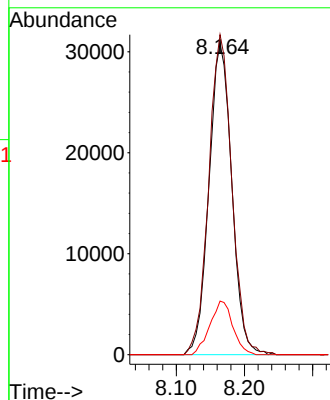
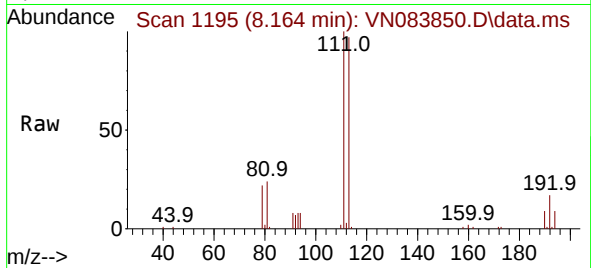
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 7177  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.2 | 82.6  | 124.0 |
| 192      | 17.3  | 14.3  | 21.5  |

Manual Integrations

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Supervised By :Mahesh Dadoda 09/13/2024



#50

Toluene-d8

Concen: 50.642 ug/l

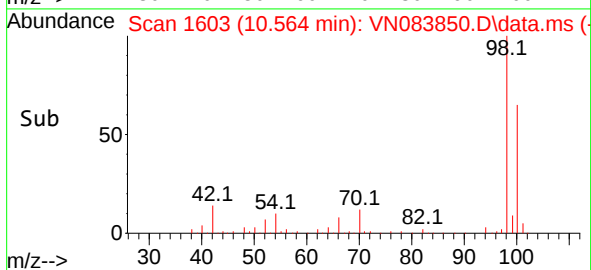
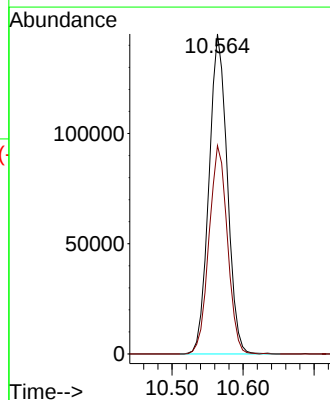
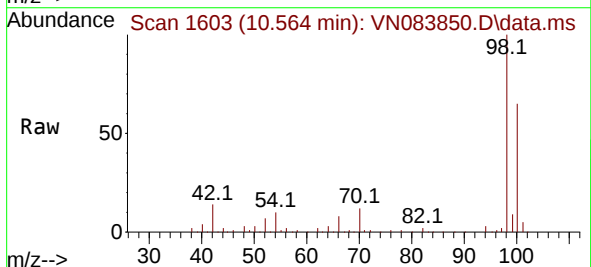
RT: 10.564 min Scan# 1603

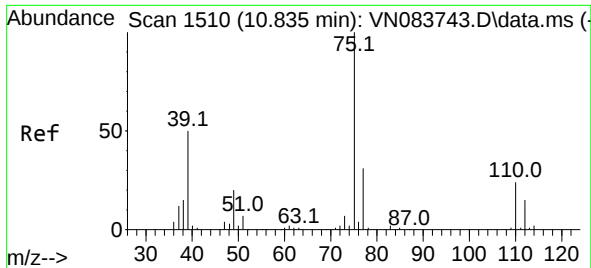
Delta R.T. -0.001 min

Lab File: VN083850.D

Acq: 13 Sep 2024 03:49

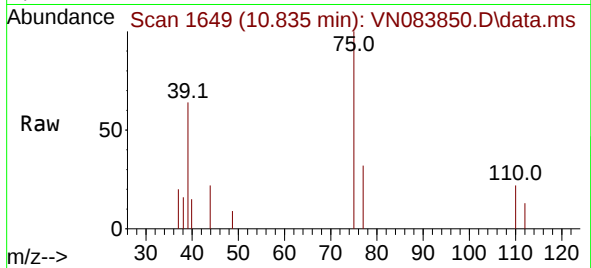
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 259535 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.5  | 52.0  | 78.0   |





#53  
t-1,3-Dichloropropene  
Concen: 1.196 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

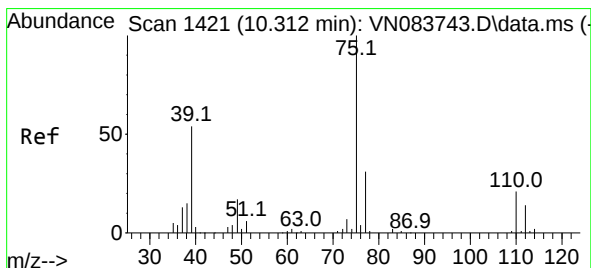
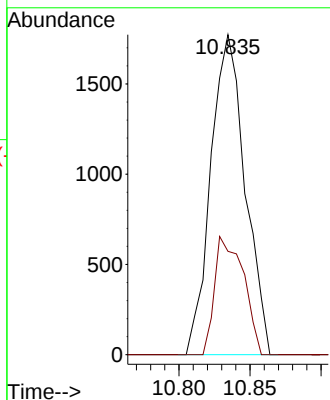
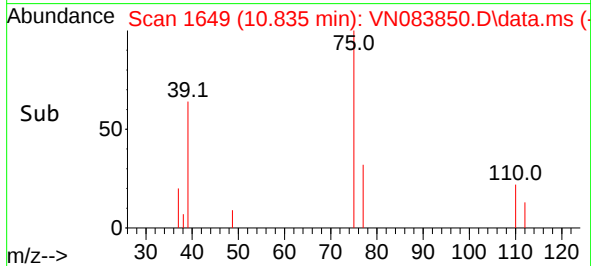
Instrument : MSVOA\_N  
ClientSampleId : IBLK



Tgt Ion: 75 Resp: 298  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.8 38.6

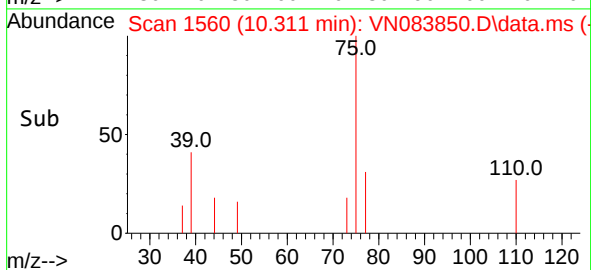
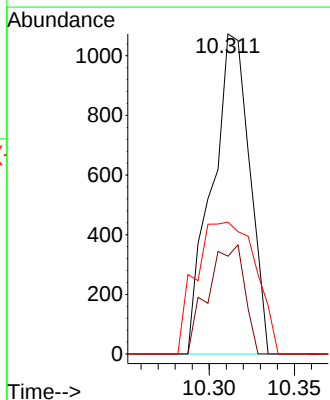
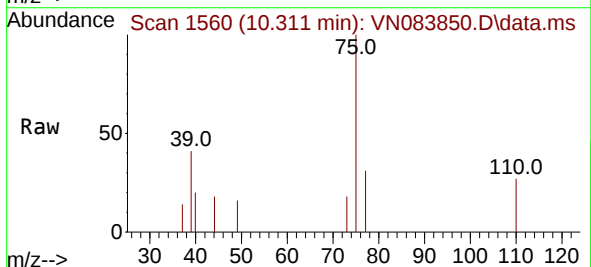
Manual Integrations  
APPROVED

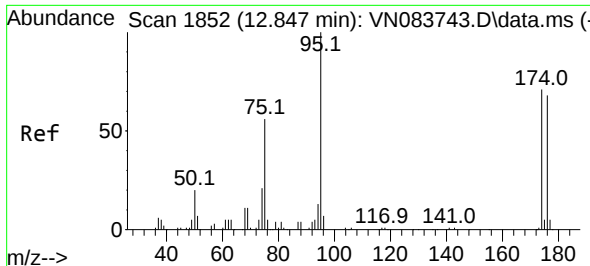
Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024



#54  
cis-1,3-Dichloropropene  
Concen: 0.629 ug/l  
RT: 10.311 min Scan# 1560  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

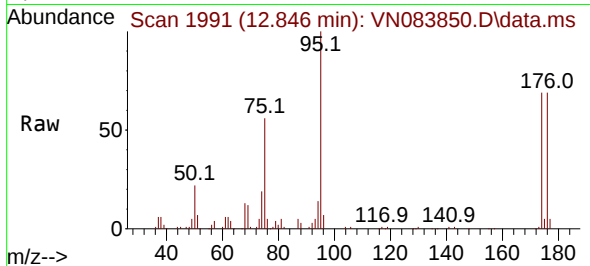
Tgt Ion: 75 Resp: 1647  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.0 37.6  
39 41.2 42.6 64.0#





#62  
4-Bromofluorobenzene  
Concen: 56.806 ug/l  
RT: 12.846 min Scan# 1852  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

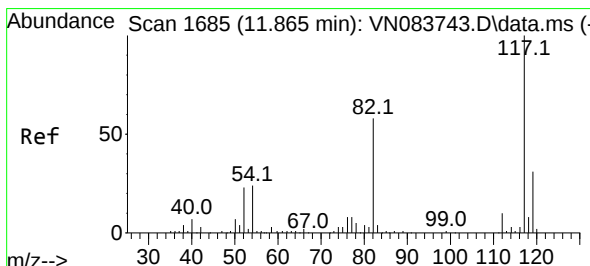
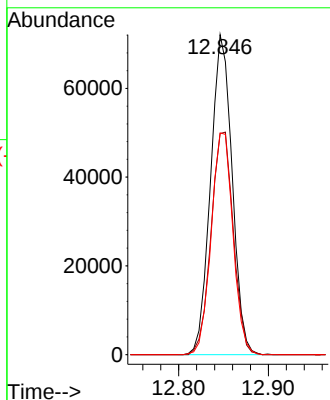
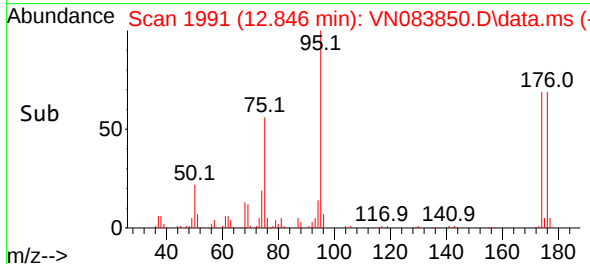
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



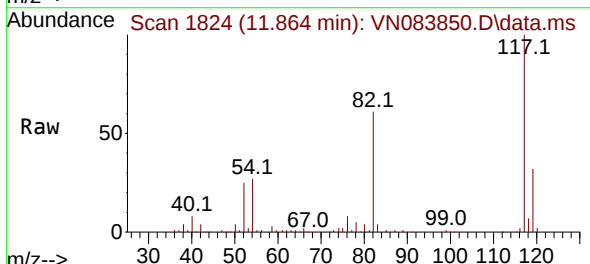
Tgt Ion: 95 Resp: 120112  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 139.8  
176 70.1 0.0 131.4

Manual Integrations  
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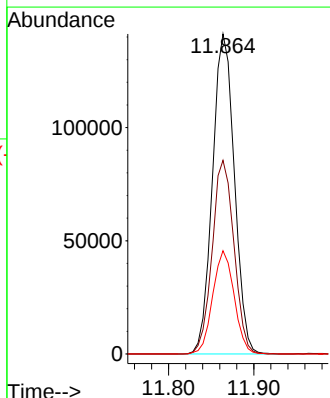
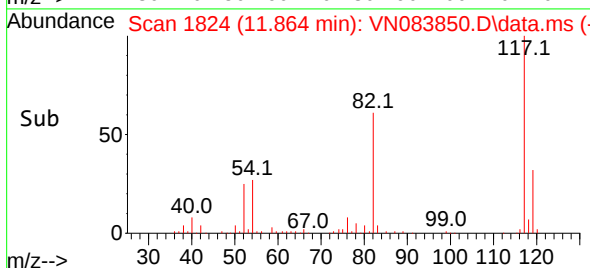
Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024

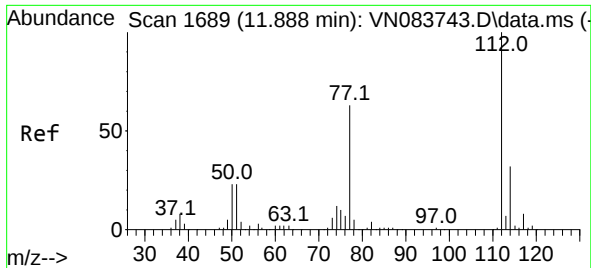


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.864 min Scan# 1824  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49



Tgt Ion:117 Resp: 252637  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.4 71.0  
119 32.2 26.3 39.5





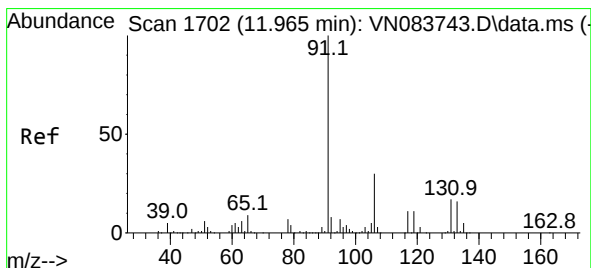
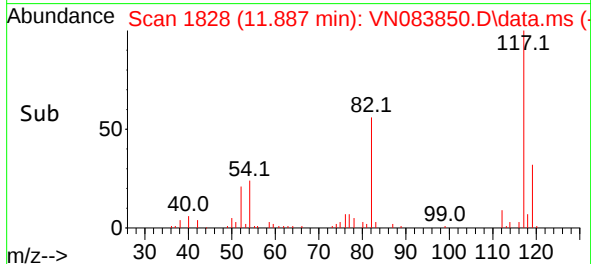
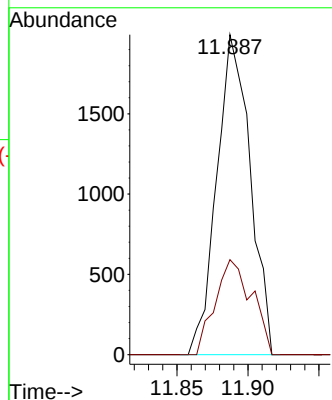
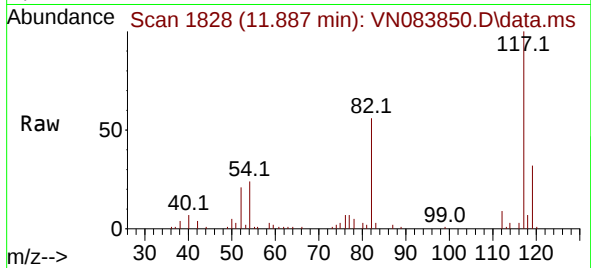
#65  
Chlorobenzene  
Concen: 0.581 ug/l  
RT: 11.887 min Scan# 1184  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:112 Resp: 326  
Ion Ratio Lower Upper  
112 100  
114 29.7 25.7 38.5

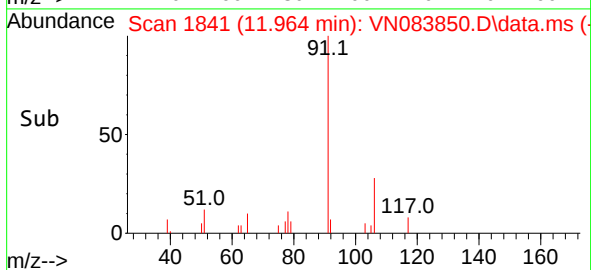
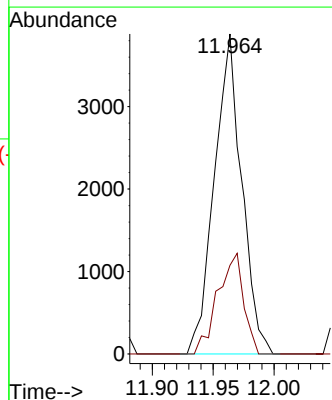
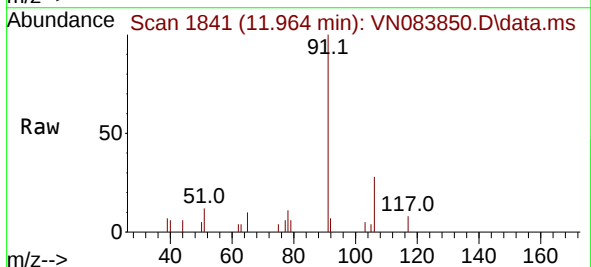
Manual Integrations  
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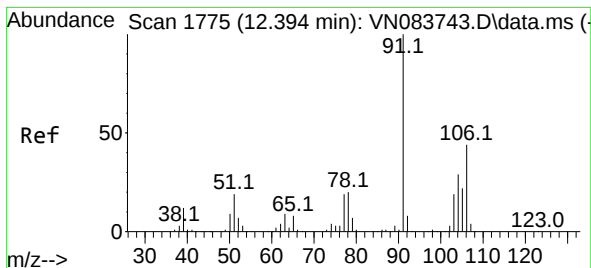
Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024



#67  
Ethyl Benzene  
Concen: 0.609 ug/l  
RT: 11.964 min Scan# 1841  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

Tgt Ion: 91 Resp: 6076  
Ion Ratio Lower Upper  
91 100  
106 27.7 24.3 36.5





#69

o-Xylene

Concen: 0.580 ug/l

RT: 12.399 min Scan# 1915

Delta R.T. 0.005 min

Lab File: VN083850.D

Acq: 13 Sep 2024 03:49

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

Tgt Ion:106 Resp: 2079

Ion Ratio Lower Upper

106 100

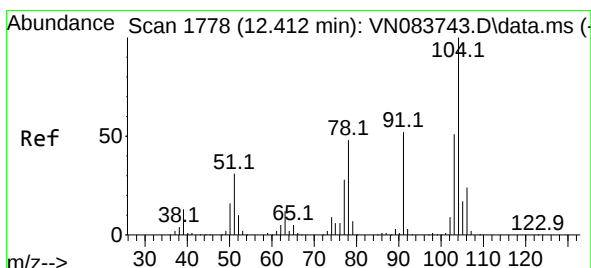
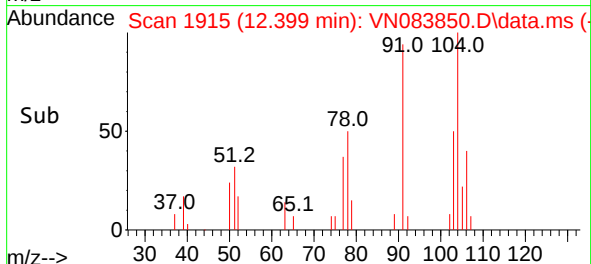
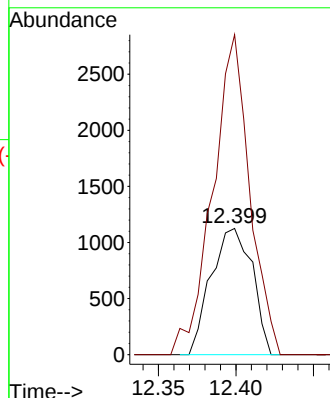
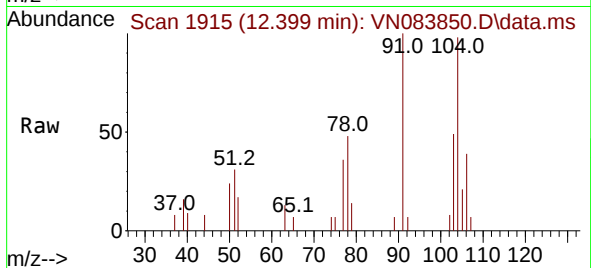
91 227.1 112.9 338.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2024

Supervised By :Mahesh Dadoda 09/13/2024



#70

Styrene

Concen: 1.283 ug/l

RT: 12.411 min Scan# 1917

Delta R.T. -0.001 min

Lab File: VN083850.D

Acq: 13 Sep 2024 03:49

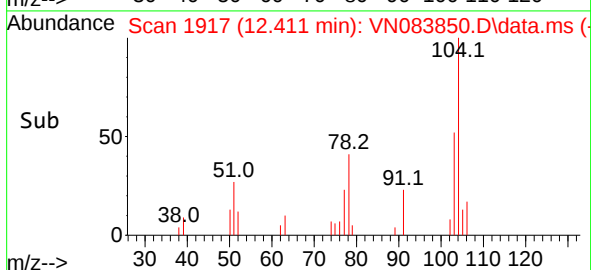
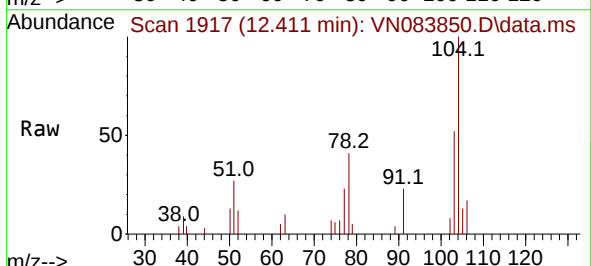
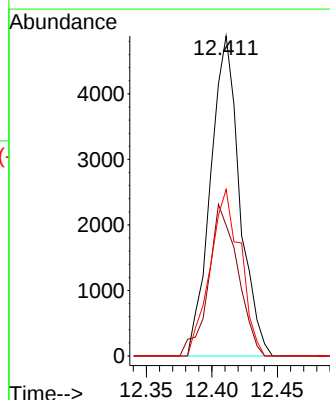
Tgt Ion:104 Resp: 7549

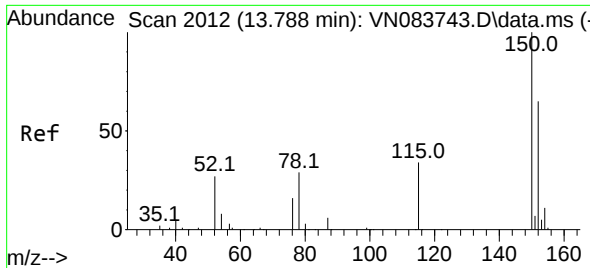
Ion Ratio Lower Upper

104 100

78 47.5 43.3 64.9

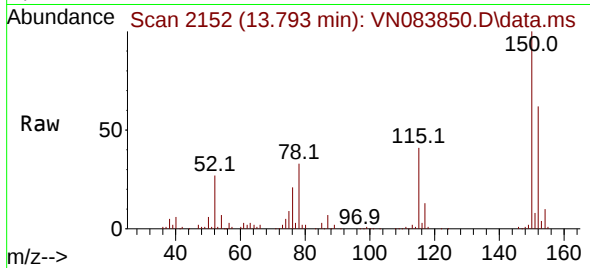
103 54.1 43.4 65.2





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.793 min Scan# 2152  
Delta R.T. 0.005 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

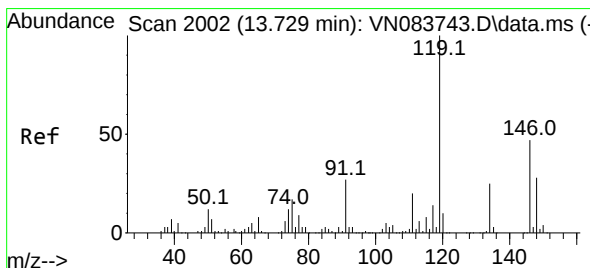
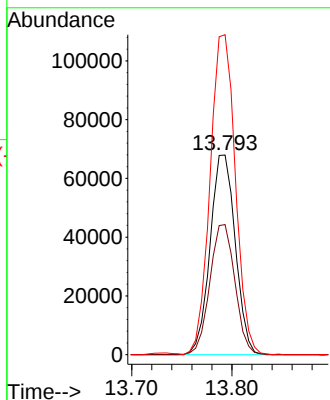
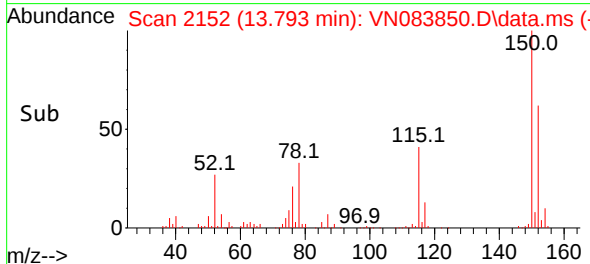
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



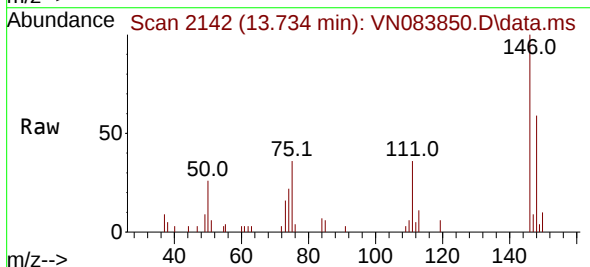
Tgt Ion:152 Resp: 118710  
Ion Ratio Lower Upper  
152 100  
115 64.7 32.2 96.6  
150 160.7 0.0 348.6

Manual Integrations  
APPROVED

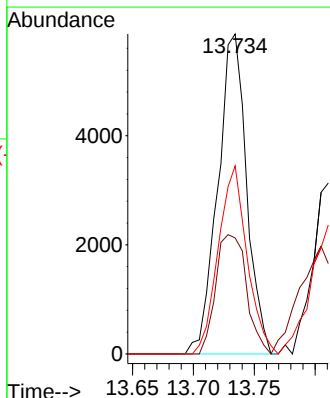
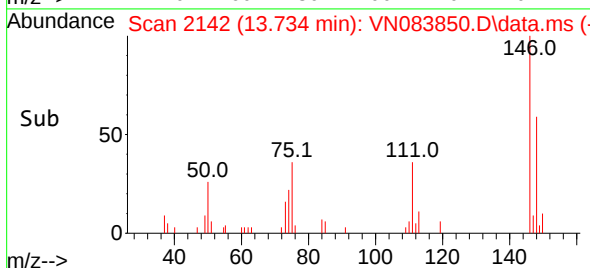
Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024

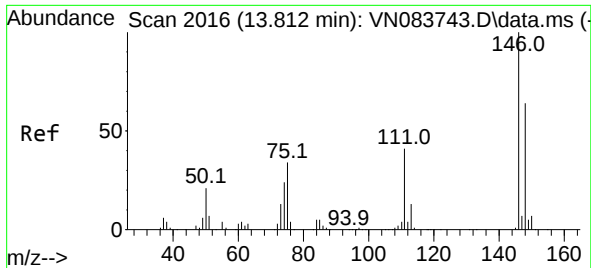


#87  
1,3-Dichlorobenzene  
Concen: 2.321 ug/l  
RT: 13.734 min Scan# 2142  
Delta R.T. 0.005 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49



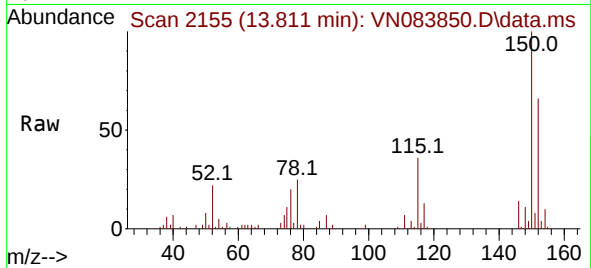
Tgt Ion:146 Resp: 9683  
Ion Ratio Lower Upper  
146 100  
111 39.6 21.7 65.1  
148 58.5 31.7 95.1





#88  
1,4-Dichlorobenzene  
Concen: 1.346 ug/l m  
RT: 13.811 min Scan# 2155  
Delta R.T. -0.001 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49

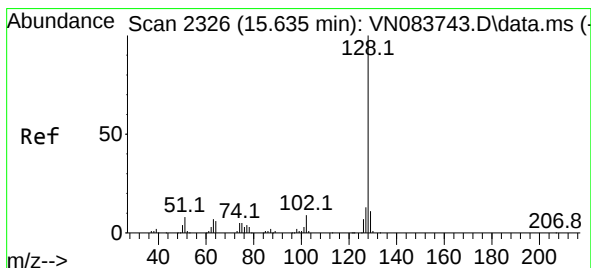
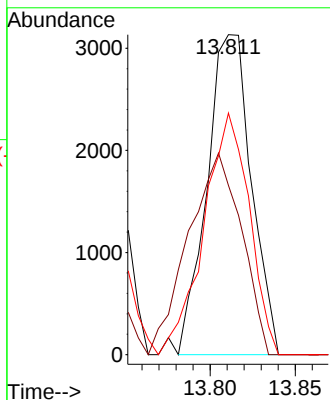
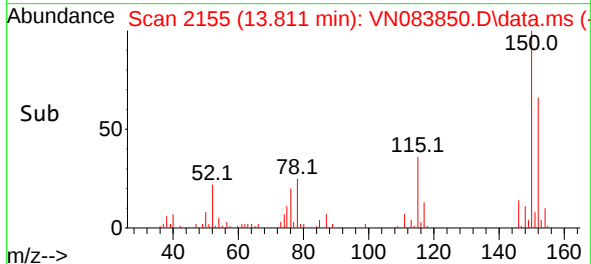
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



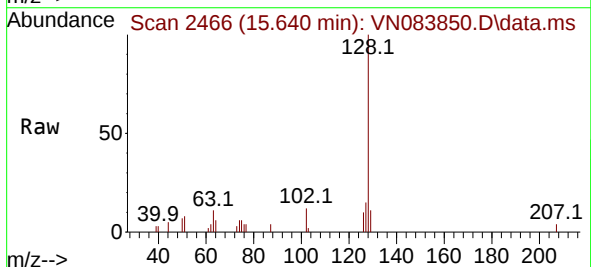
Tgt Ion:146 Resp: 568  
Ion Ratio Lower Upper  
146 100  
111 67.4 21.3 64.0  
148 99.7 32.0 96.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/13/2024  
Supervised By :Mahesh Dadoda 09/13/2024



#95  
Naphthalene  
Concen: 2.605 ug/l  
RT: 15.640 min Scan# 2466  
Delta R.T. 0.005 min  
Lab File: VN083850.D  
Acq: 13 Sep 2024 03:49



Tgt Ion:128 Resp: 17127  
Ion Ratio Lower Upper  
128 100  
127 14.8 10.2 15.2  
129 9.2 8.7 13.1

