

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042822\  
 Data File : VN072255.D  
 Acq On : 28 Apr 2022 22:13  
 Operator : JC\MD  
 Sample : N2617-18  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-24

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/29/2022  
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 06:38:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 26 18:50:11 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|-----------|-------|----------|
| -----                       |                |      |            |           |       |          |
| Internal Standards          |                |      |            |           |       |          |
| 1) Pentafluorobenzene       | 8.081          | 168  | 271683     | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.963          | 114  | 498012     | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.739         | 117  | 557473     | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.669         | 152  | 249275     | 50.000    | ug/l  | 0.00     |
|                             |                |      |            |           |       |          |
| System Monitoring Compounds |                |      |            |           |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.434          | 65   | 200664     | 48.110    | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 96.220%   |       |          |
| 35) Dibromofluoromethane    | 8.016          | 113  | 148949     | 46.728    | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 93.460%   |       |          |
| 50) Toluene-d8              | 10.439         | 98   | 656331     | 52.401    | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 104.800%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.727         | 95   | 296656     | 71.357    | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 142.720%# |       |          |
|                             |                |      |            |           |       |          |
| Target Compounds            |                |      |            |           |       |          |
|                             |                |      |            |           |       | Qvalue   |
| 25) 2-Butanone              | 7.334          | 43   | 22276      | 7.778     | ug/l  | # 75     |
| 31) Cyclohexane             | 8.092          | 56   | 452419     | 81.180    | ug/l  | 89       |
| 39) Methylcyclohexane       | 9.457          | 83   | 333149     | 64.200    | ug/l  | 92       |
| 40) Benzene                 | 8.457          | 78   | 240908     | 16.740    | ug/l  | 100      |
| 52) Toluene                 | 10.504         | 92   | 1316078    | 152.970   | ug/l  | 98       |
| 67) Ethyl Benzene           | 11.833         | 91   | 19417211   | 988.480   | ug/l  | 90       |
| 68) m/p-Xylenes             | 11.951         | 106  | 14587285   | 1999.785  | ug/l  | # 1      |
| 69) o-Xylene                | 12.275         | 106  | 1156114    | 163.488   | ug/l  | 88       |
| 73) Isopropylbenzene        | 12.575         | 105  | 1102402    | 50.073    | ug/l  | 96       |
| 78) n-propylbenzene         | 12.916         | 91   | 3711199    | 153.014   | ug/l  | 96       |
| 80) 1,3,5-Trimethylbenzene  | 13.057         | 105  | 3093941    | 168.744   | ug/l  | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.363         | 105  | 13406764   | 755.736   | ug/l  | 95       |
| 85) sec-Butylbenzene        | 13.498         | 105  | 126059m    | 6.006     | ug/l  |          |
| 86) p-Isopropyltoluene      | 13.610         | 119  | 47581      | 2.908     | ug/l  | # 77     |
| 89) n-Butylbenzene          | 13.939         | 91   | 130350     | 10.400    | ug/l  | # 75     |
| 95) Naphthalene             | 15.498         | 128  | 3074235    | 221.932   | ug/l  | 100      |
| -----                       |                |      |            |           |       |          |

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

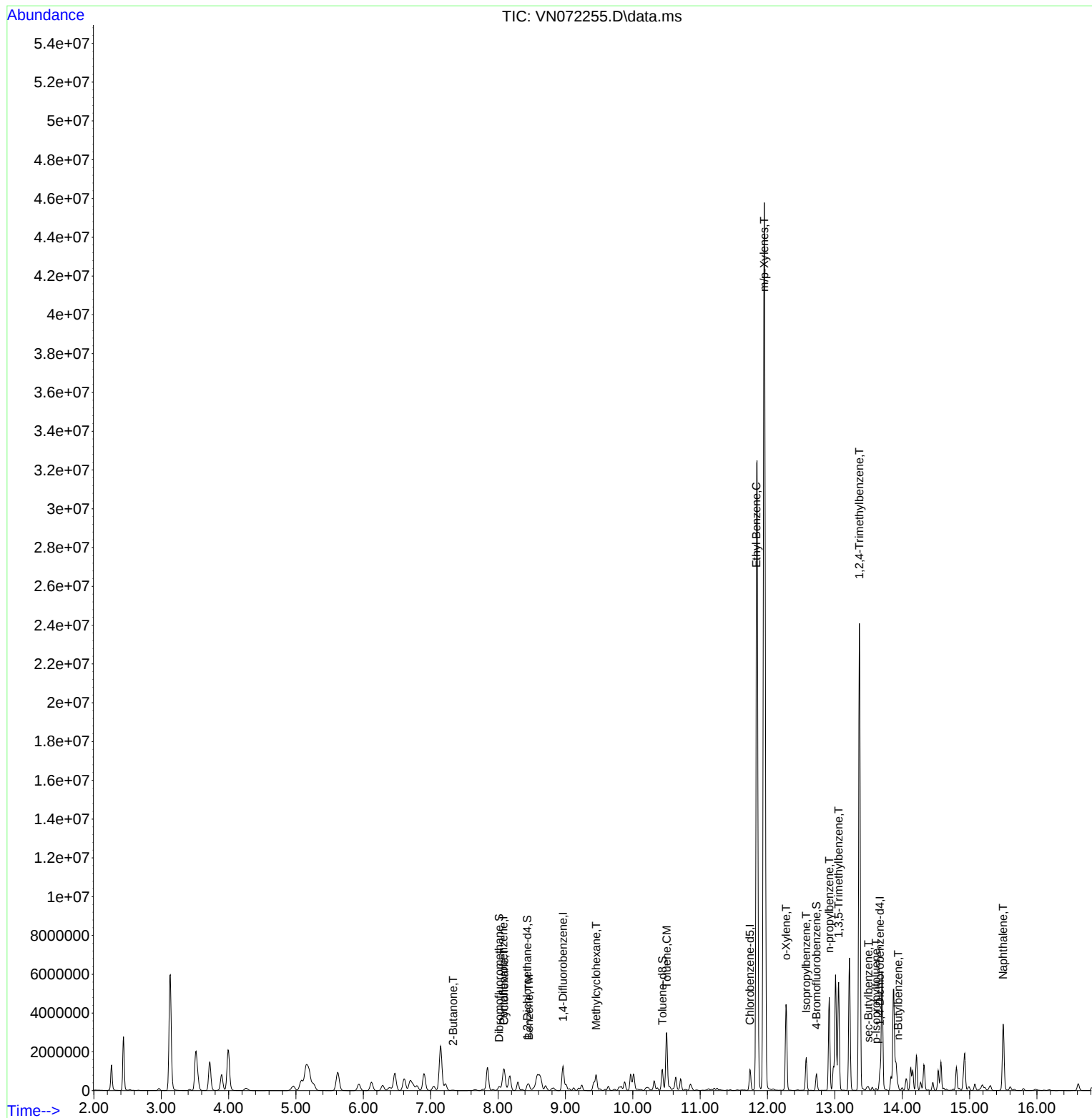
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042822\  
Data File : VN072255.D  
Acq On : 28 Apr 2022 22:13  
Operator : JC\MD  
Sample : N2617-18  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 25 Sample Multiplier: 1

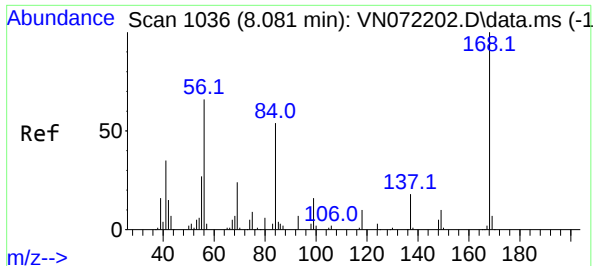
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24

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Supervised By :Mahesh Dadoda 04/29/2022

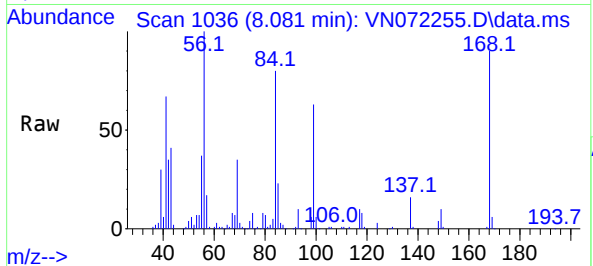
Quant Time: Apr 29 06:38:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 26 18:50:11 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

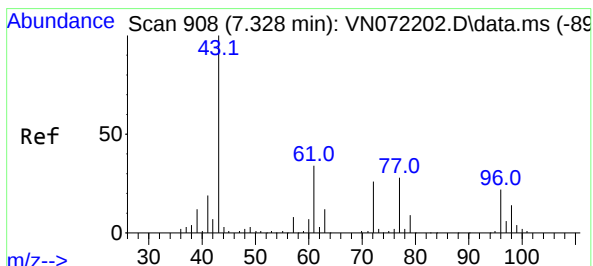
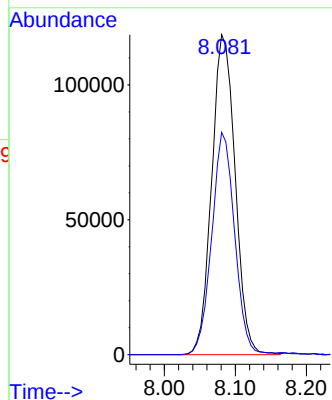
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



Tgt Ion:168 Resp: 27168  
Ion Ratio Lower Upper  
168 100  
99 69.5 42.3 63.5

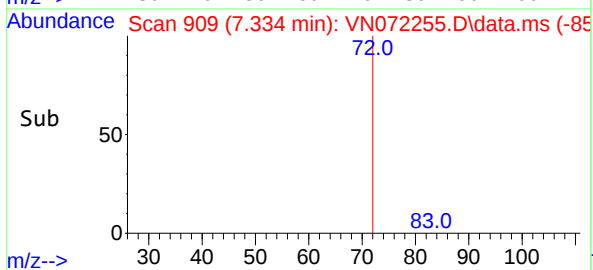
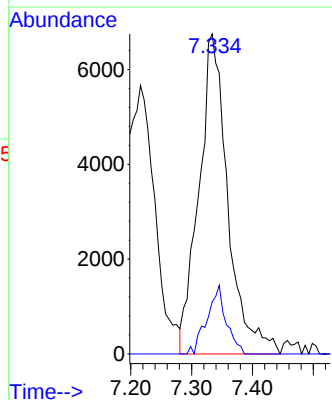
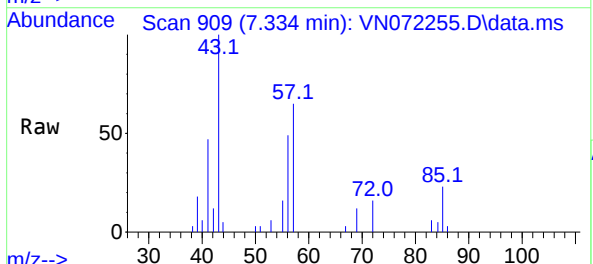
Manual Integrations  
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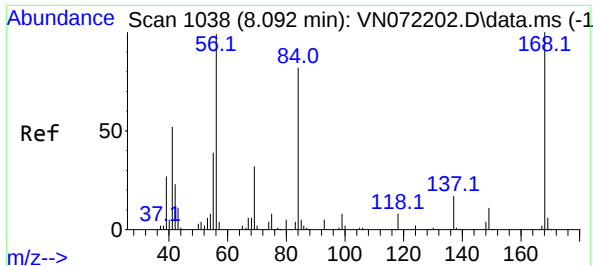
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022



#25  
2-Butanone  
Concen: 7.778 ug/l  
RT: 7.334 min Scan# 909  
Delta R.T. 0.006 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

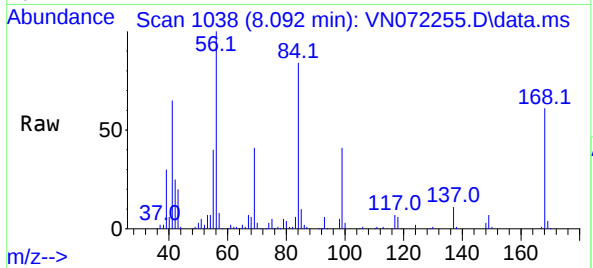
Tgt Ion: 43 Resp: 22276  
Ion Ratio Lower Upper  
43 100  
72 16.3 23.7 35.5





#31  
Cyclohexane  
Concen: 81.180 ug/l  
RT: 8.092 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

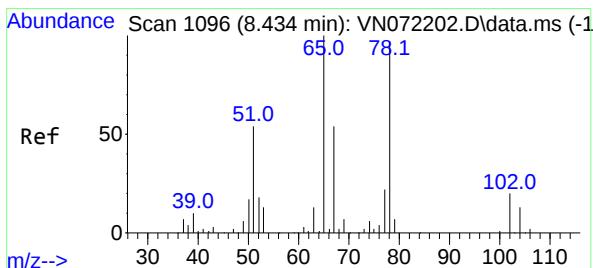
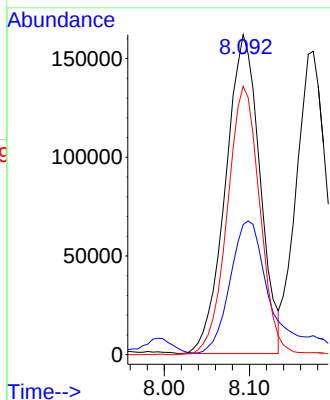
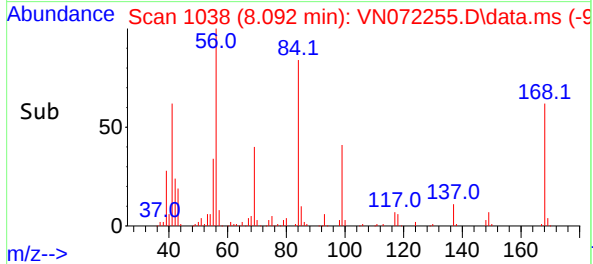
Instrument :  
MSVOA\_N  
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Tgt Ion: 56 Resp: 452419  
Ion Ratio Lower Upper  
56 100  
69 38.8 27.8 41.8  
84 84.2 76.9 115.3

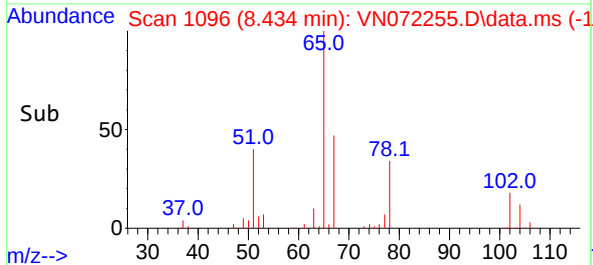
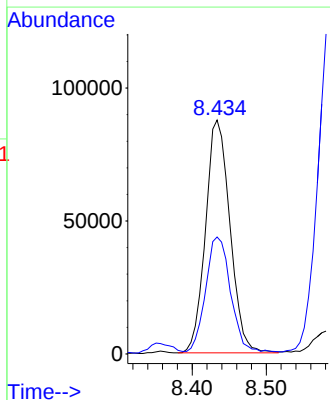
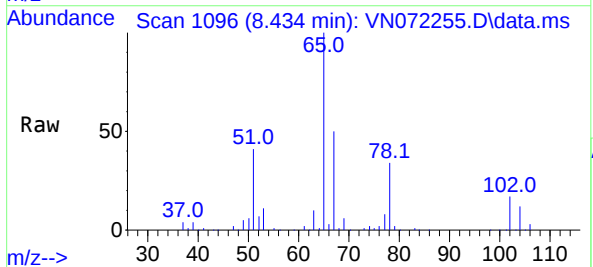
Manual Integrations  
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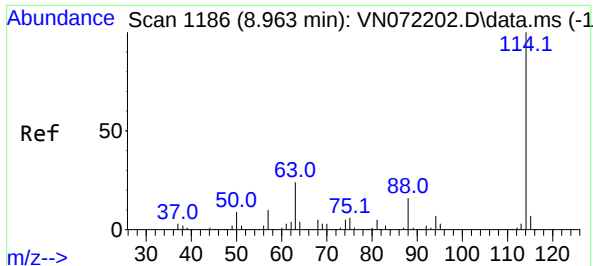
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022



#33  
1,2-Dichloroethane-d4  
Concen: 48.110 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

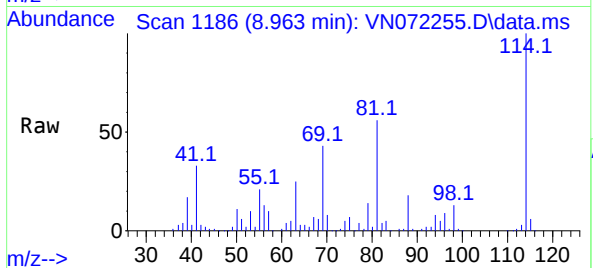
Tgt Ion: 65 Resp: 200664  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 104.8





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

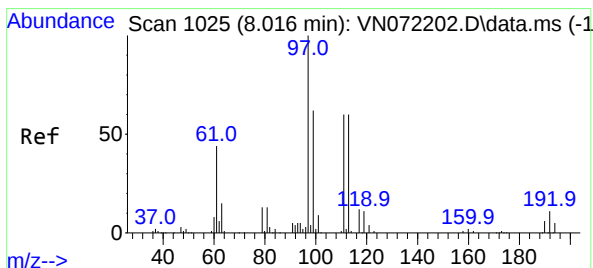
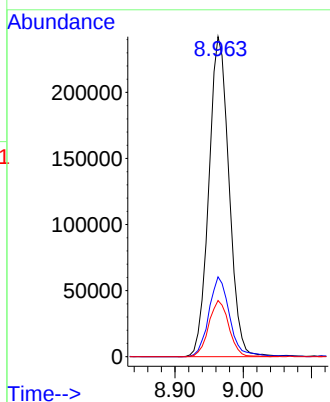
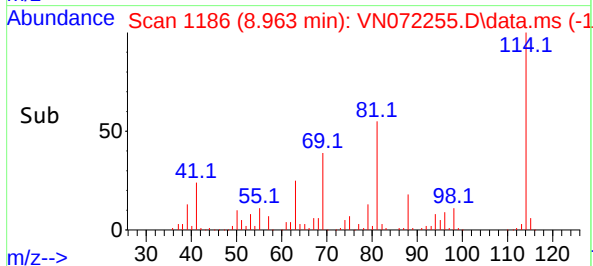
Instrument :  
MSVOA\_N  
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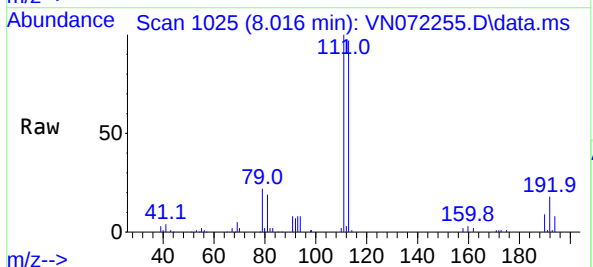
Tgt Ion:114 Resp: 498012  
Ion Ratio Lower Upper  
114 100  
63 25.0 0.0 40.0  
88 17.6 0.0 32.6

Manual Integrations  
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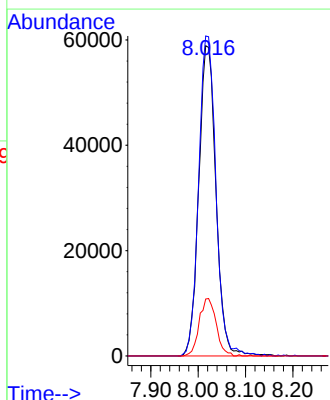
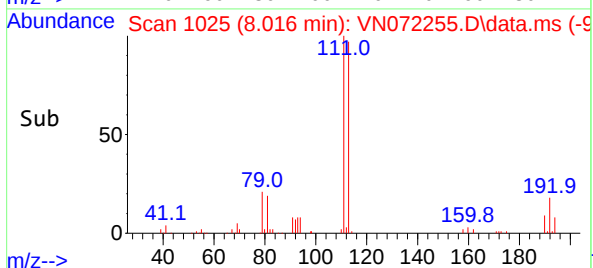
Reviewed By :John Carlone 04/29/2022  
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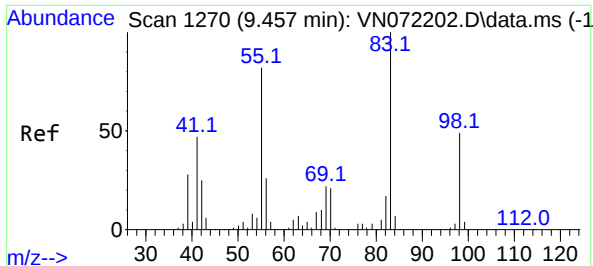


#35  
Dibromofluoromethane  
Concen: 46.728 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13



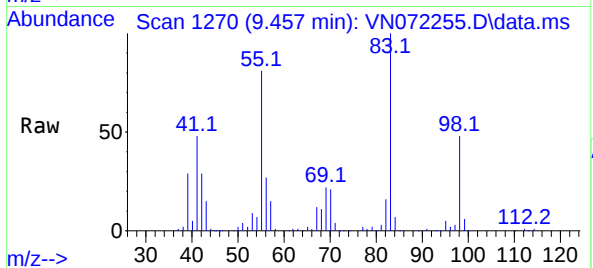
Tgt Ion:113 Resp: 148949  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.4 122.0  
192 18.1 17.0 25.6





#39  
Methylcyclohexane  
Concen: 64.200 ug/l  
RT: 9.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

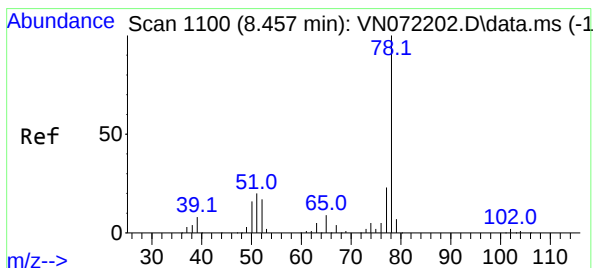
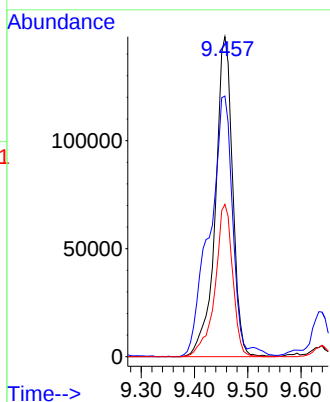
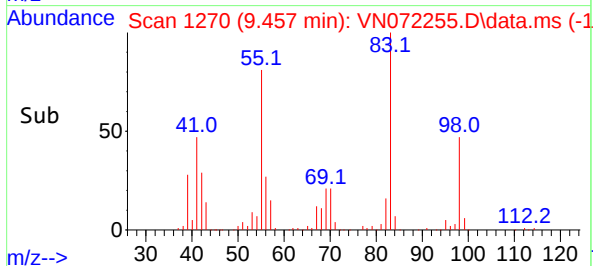
Instrument :  
MSVOA\_N  
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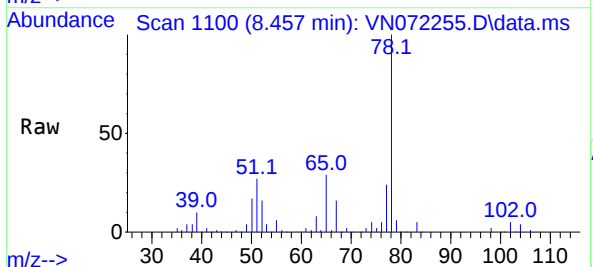
Tgt Ion: 83 Resp: 333149  
Ion Ratio Lower Upper  
83 100  
55 81.4 57.8 86.8  
98 47.6 39.4 59.2

Manual Integrations  
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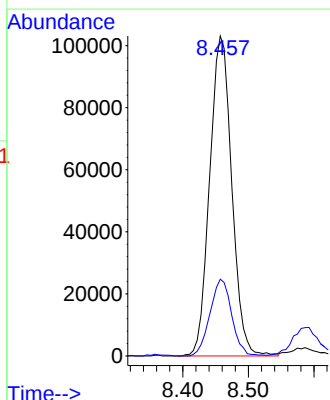
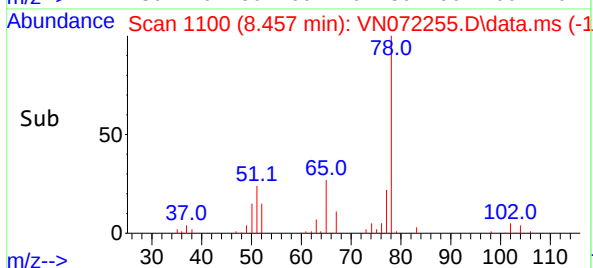
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022

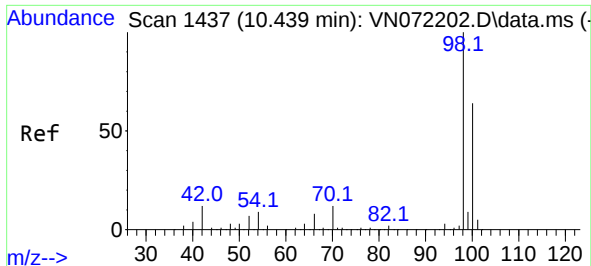


#40  
Benzene  
Concen: 16.740 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13



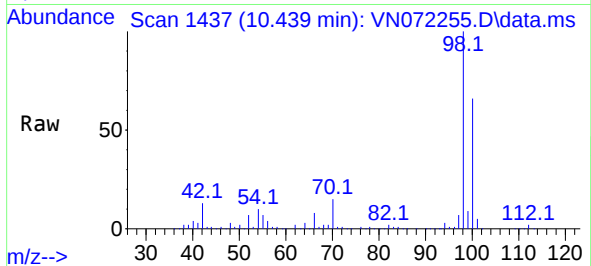
Tgt Ion: 78 Resp: 240908  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.4 29.0





#50  
Toluene-d8  
Concen: 52.401 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

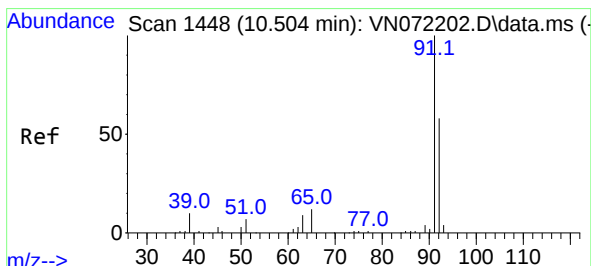
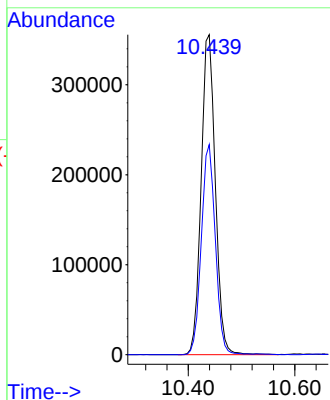
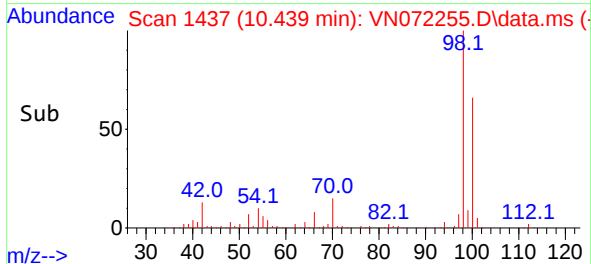
Instrument :  
MSVOA\_N  
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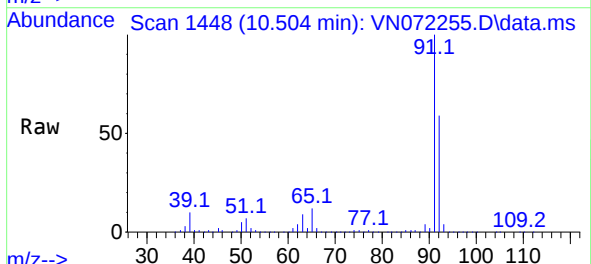
Tgt Ion: 98 Resp: 65633  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8

Manual Integrations  
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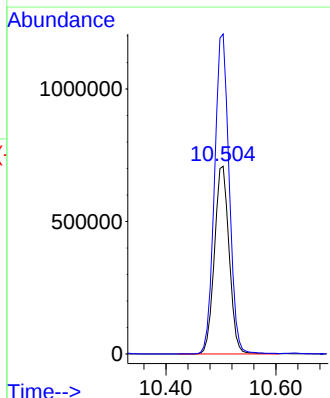
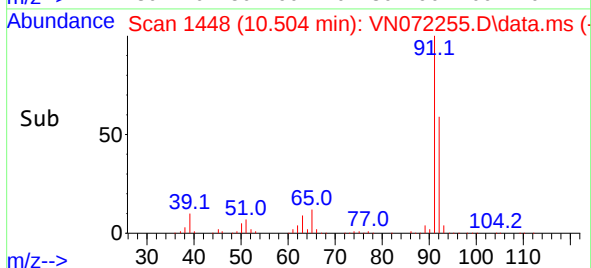
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022

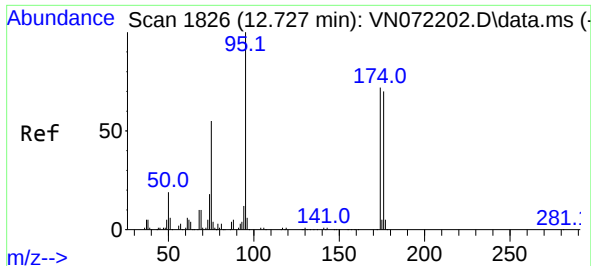


#52  
Toluene  
Concen: 152.970 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13



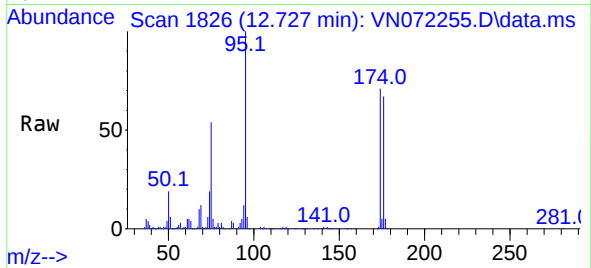
Tgt Ion: 92 Resp: 1316078  
Ion Ratio Lower Upper  
92 100  
91 170.1 138.6 207.8





#62  
4-Bromofluorobenzene  
Concen: 71.357 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

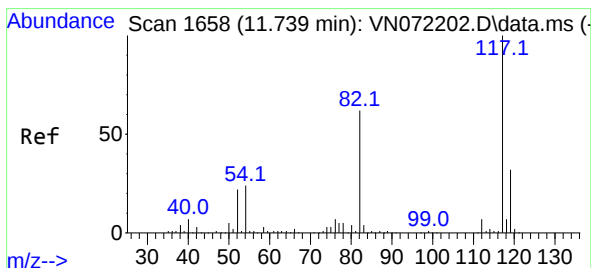
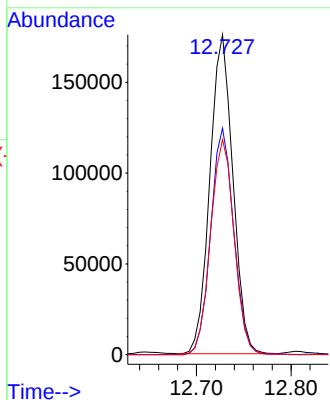
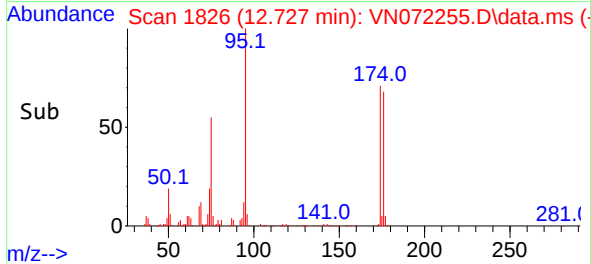
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



Tgt Ion: 95 Resp: 296650  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 167.6  
176 68.9 0.0 163.4

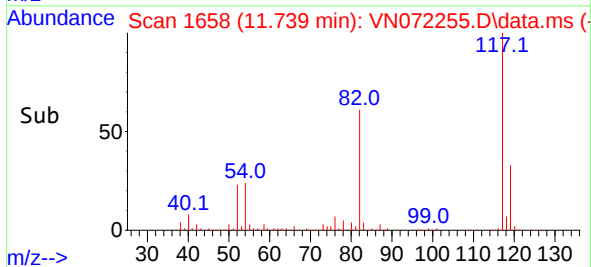
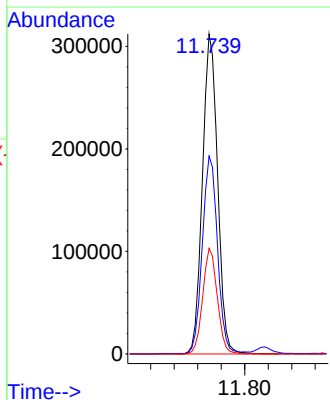
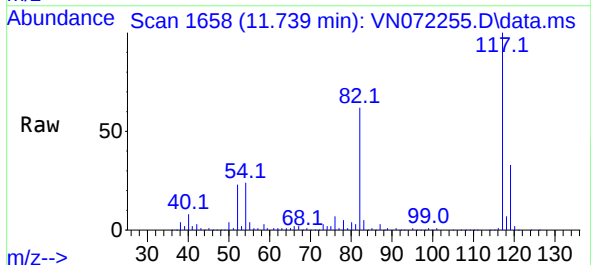
Manual Integrations  
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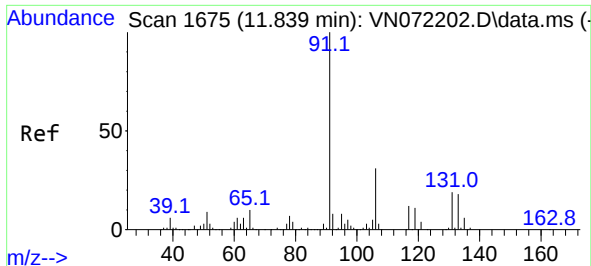
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

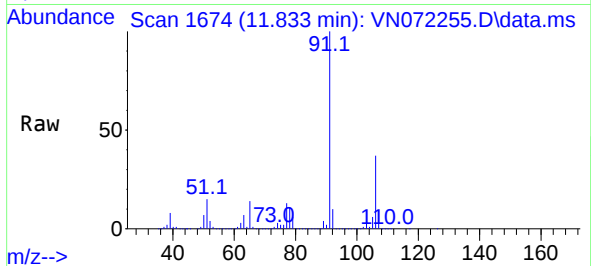
Tgt Ion:117 Resp: 557473  
Ion Ratio Lower Upper  
117 100  
82 61.7 44.2 66.2  
119 33.0 25.4 38.0





#67  
Ethyl Benzene  
Concen: 988.480 ug/l  
RT: 11.833 min Scan# 1674  
Delta R.T. -0.006 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

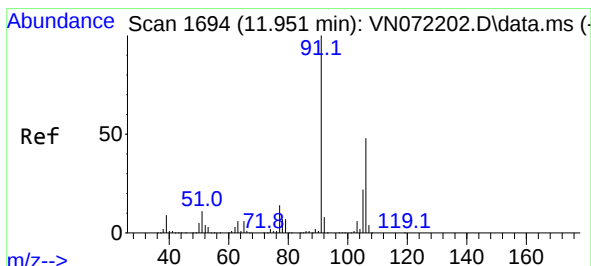
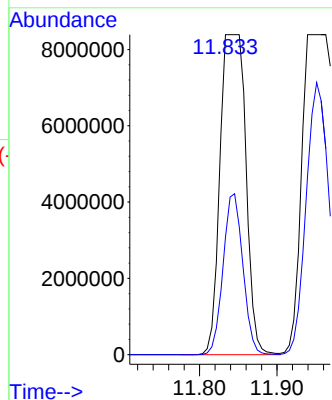
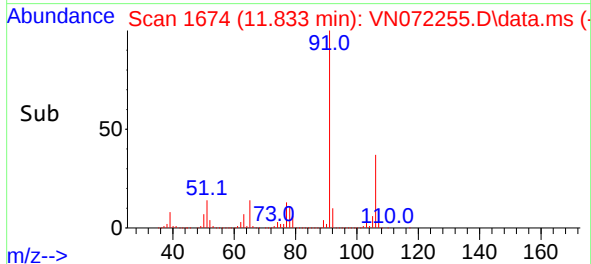
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



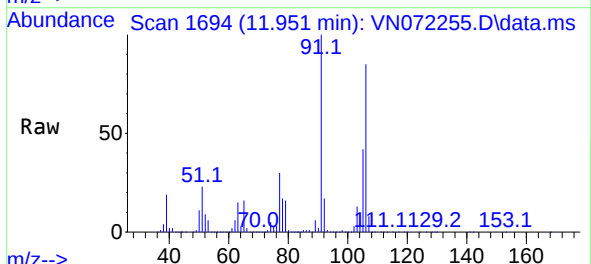
Tgt Ion: 91 Resp:1941721  
Ion Ratio Lower Upper  
91 100  
106 36.7 24.9 37.3

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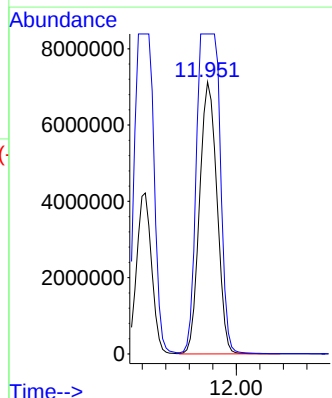
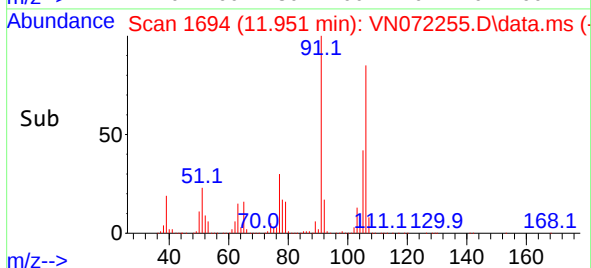
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022

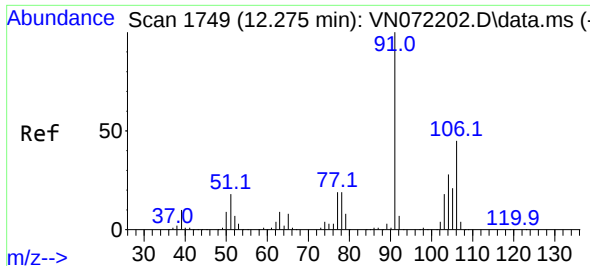


#68  
m/p-Xylenes  
Concen: 1999.785 ug/l  
RT: 11.951 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13



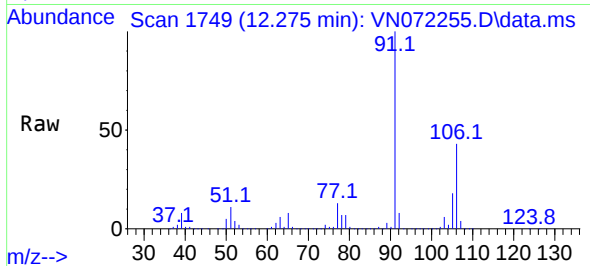
Tgt Ion:106 Resp:14587285  
Ion Ratio Lower Upper  
106 100  
91 0.0 158.9 238.3#





#69  
o-Xylene  
Concen: 163.488 ug/l  
RT: 12.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

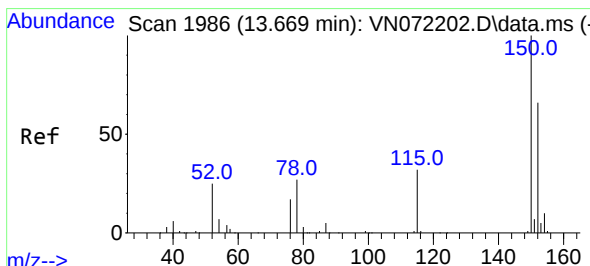
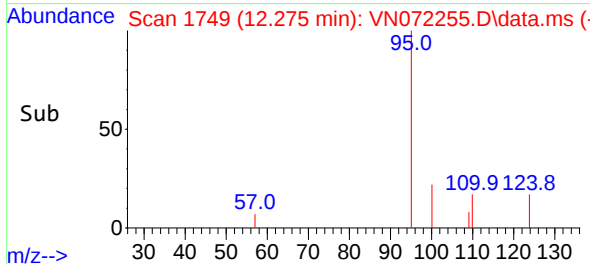
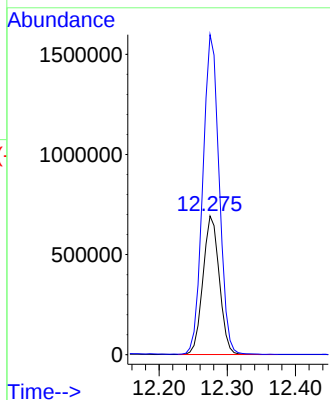
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



Tgt Ion:106 Resp: 1156114  
Ion Ratio Lower Upper  
106 100  
91 230.3 106.0 318.0

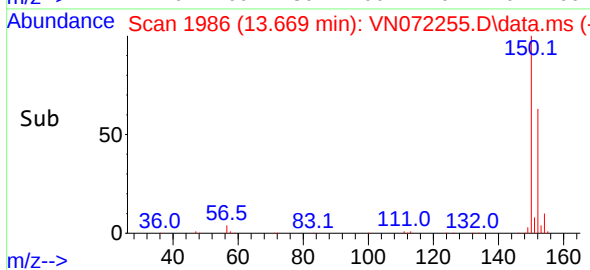
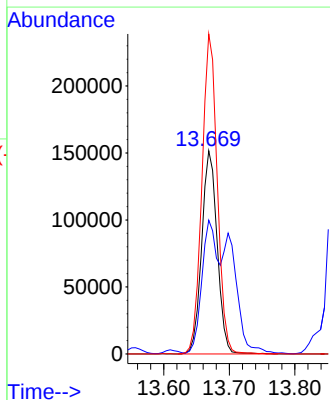
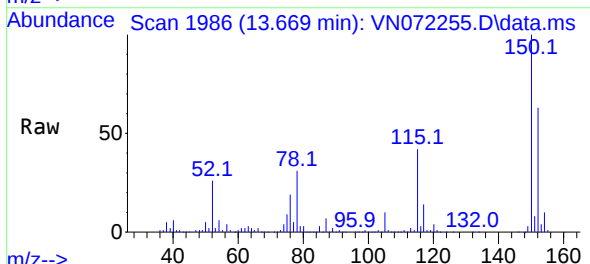
Manual Integrations  
APPROVED

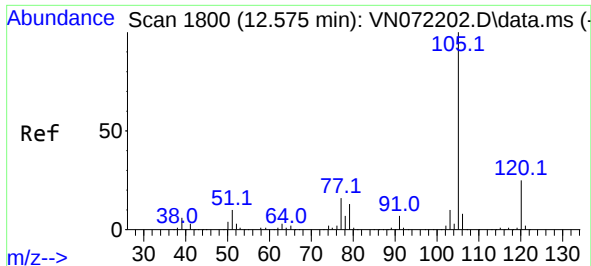
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

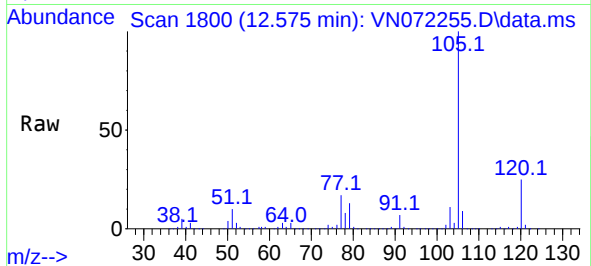
Tgt Ion:152 Resp: 249275  
Ion Ratio Lower Upper  
152 100  
115 68.8 28.9 86.7  
150 156.4 0.0 356.2





#73  
Isopropylbenzene  
Concen: 50.073 ug/l  
RT: 12.575 min Scan# 1100  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

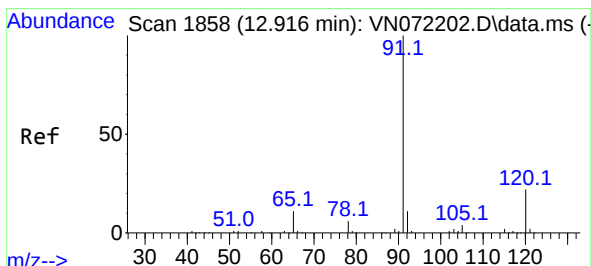
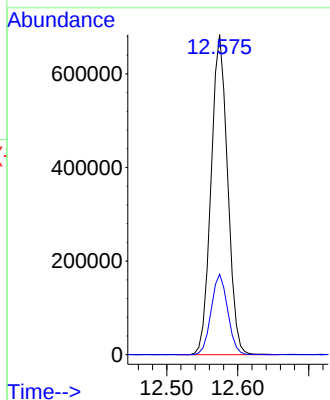
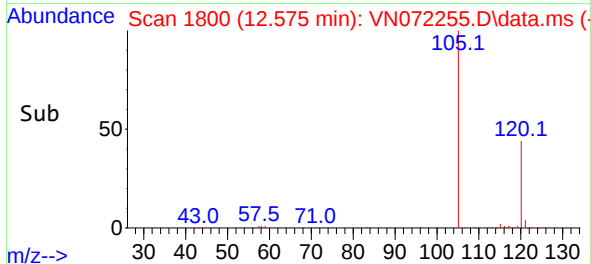
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



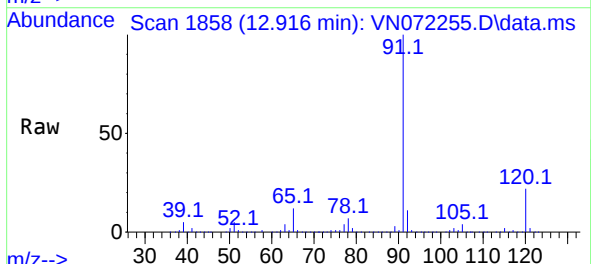
Tgt Ion:105 Resp: 110240  
Ion Ratio Lower Upper  
105 100  
120 25.1 13.5 40.4

Manual Integrations  
APPROVED

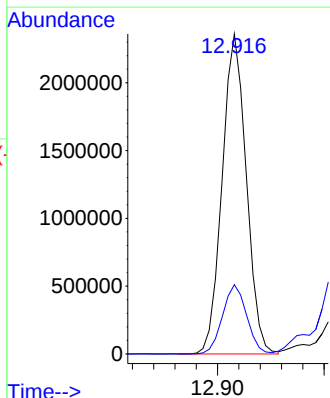
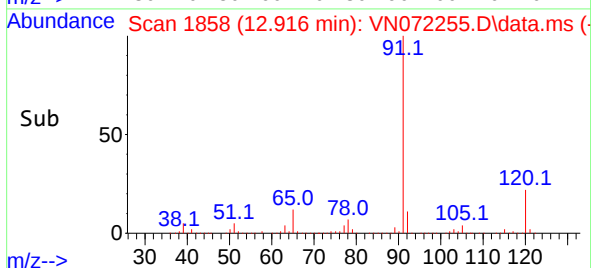
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022

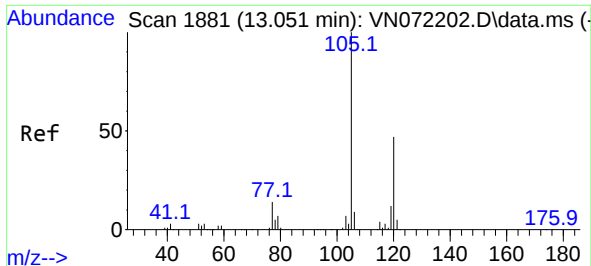


#78  
n-propylbenzene  
Concen: 153.014 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13



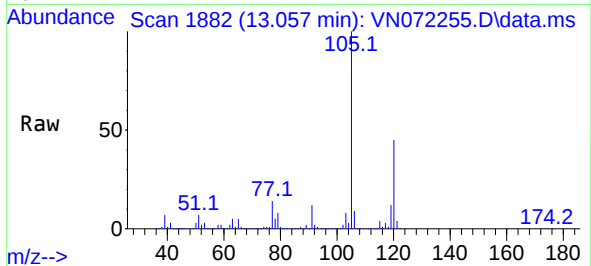
Tgt Ion: 91 Resp: 3711199  
Ion Ratio Lower Upper  
91 100  
120 21.6 11.9 35.5





#80  
1,3,5-Trimethylbenzene  
Concen: 168.744 ug/l  
RT: 13.057 min Scan# 1881  
Delta R.T. 0.006 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

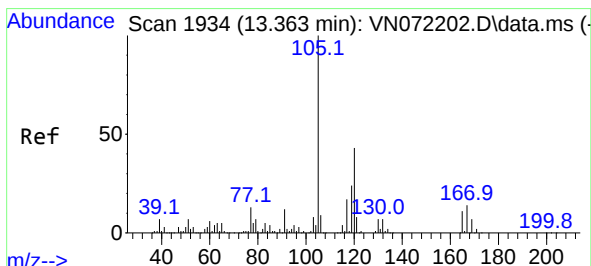
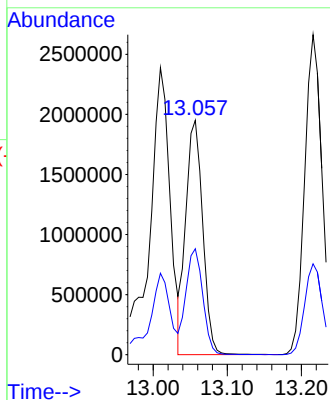
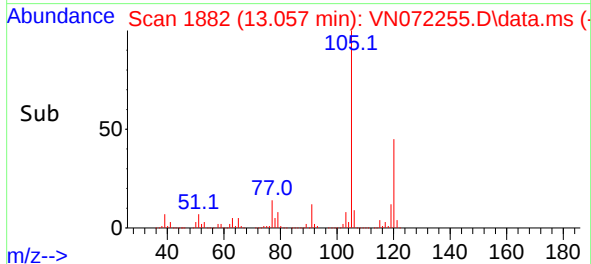
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



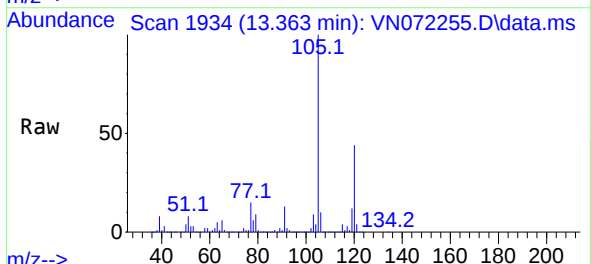
Tgt Ion:105 Resp: 309394  
Ion Ratio Lower Upper  
105 100  
120 45.0 24.9 74.7

Manual Integrations  
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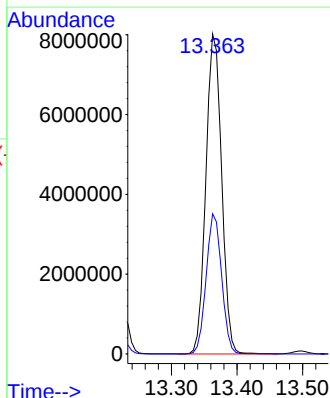
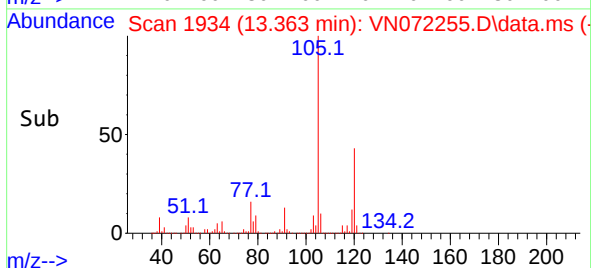
Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022

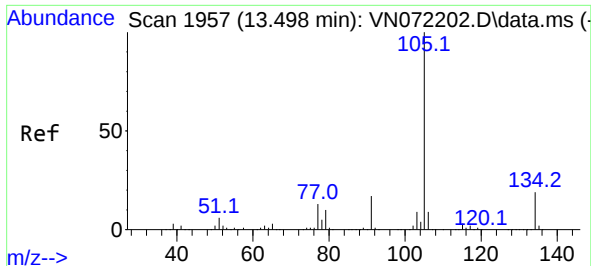


#84  
1,2,4-Trimethylbenzene  
Concen: 755.736 ug/l  
RT: 13.363 min Scan# 1934  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13



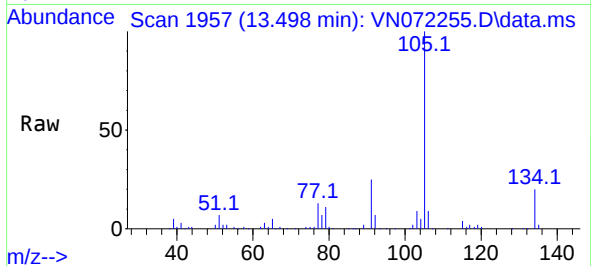
Tgt Ion:105 Resp:13406764  
Ion Ratio Lower Upper  
105 100  
120 43.1 23.3 69.8





#85  
 sec-Butylbenzene  
 Concen: 6.006 ug/l m  
 RT: 13.498 min Scan# 1957  
 Delta R.T. 0.000 min  
 Lab File: VN072255.D  
 Acq: 28 Apr 2022 22:13

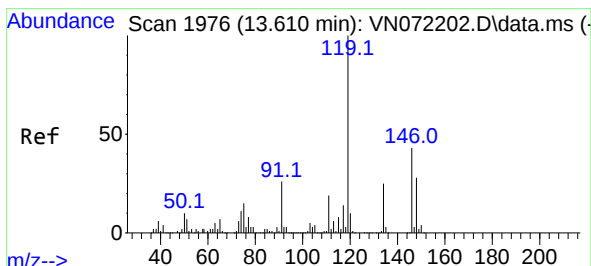
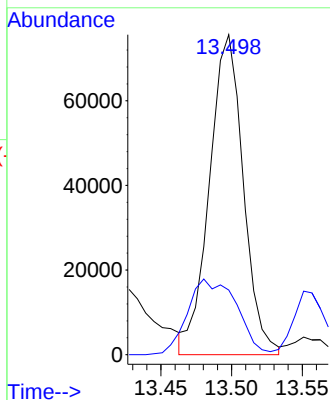
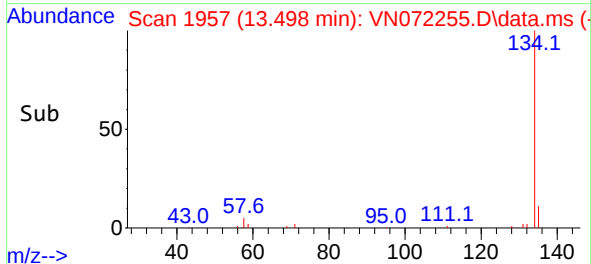
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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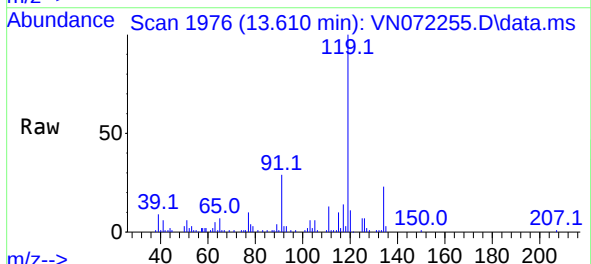
Tgt Ion:105 Resp: 126059  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.1

Manual Integrations  
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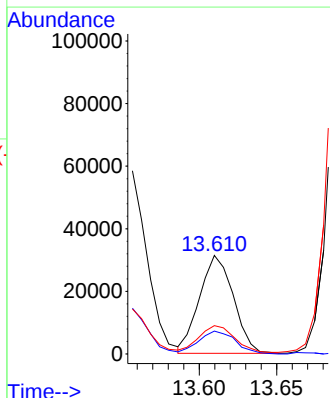
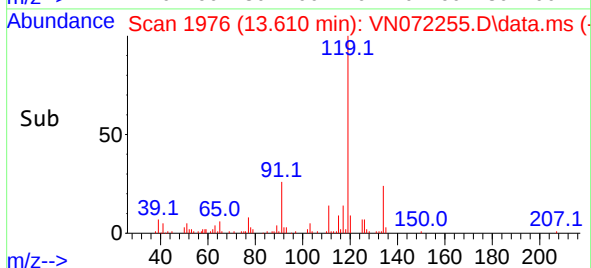
Reviewed By :John Carbone 04/29/2022  
 Supervised By :Mahesh Dadoda 04/29/2022

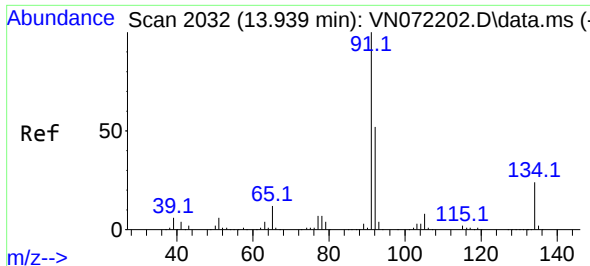


#86  
 p-Isopropyltoluene  
 Concen: 2.908 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. -0.000 min  
 Lab File: VN072255.D  
 Acq: 28 Apr 2022 22:13



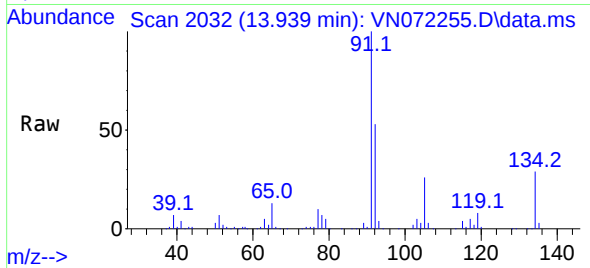
Tgt Ion:119 Resp: 47581  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 13.3 39.8  
 91 0.0 11.3 33.9





#89  
n-Butylbenzene  
Concen: 10.400 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

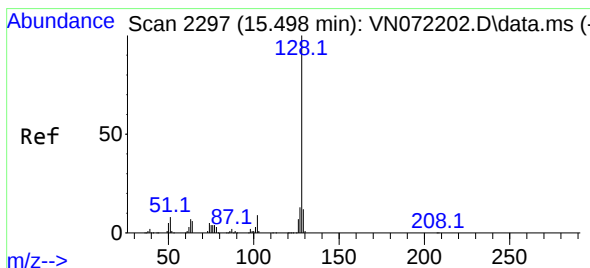
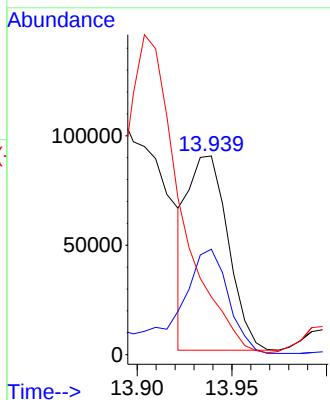
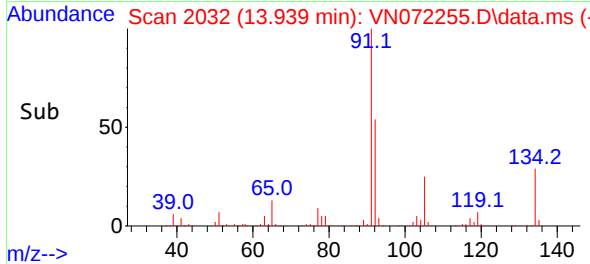
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-24



Tgt Ion: 91 Resp: 130350  
Ion Ratio Lower Upper  
91 100  
92 62.1 26.9 80.7  
134 0.0 13.6 40.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/29/2022  
Supervised By :Mahesh Dadoda 04/29/2022



#95  
Naphthalene  
Concen: 221.932 ug/l  
RT: 15.498 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VN072255.D  
Acq: 28 Apr 2022 22:13

Tgt Ion:128 Resp: 3074235  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.3 15.5  
129 10.8 8.6 13.0

