

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090322\  
 Data File : VN074321.D  
 Acq On : 03 Sep 2022 16:55  
 Operator : JC\MD  
 Sample : N4355-06DL 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-23DL

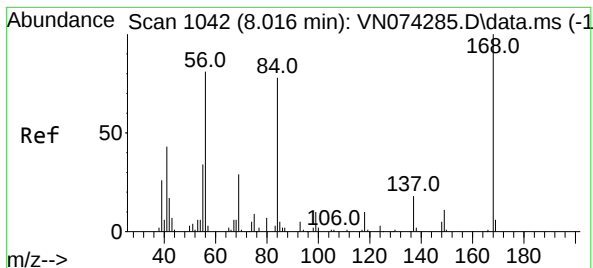
Quant Time: Sep 05 05:36:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090222W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 03 04:35:33 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.016          | 168  | 335143     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904          | 114  | 601551     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686         | 117  | 590190     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.610         | 152  | 291120     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369          | 65   | 236041     | 45.181   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 90.360%  |        |          |
| 35) Dibromofluoromethane    | 7.951          | 113  | 209096     | 52.455   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 104.920% |        |          |
| 50) Toluene-d8              | 10.380         | 98   | 723945     | 46.057   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 92.120%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.668         | 95   | 284044     | 49.420   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 98.840%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
|                             |                |      |            |          | Qvalue |          |
| 31) Cyclohexane             | 8.022          | 56   | 60643      | 8.691    | ug/l # | 94       |
| 39) Methylcyclohexane       | 9.398          | 83   | 21888      | 3.211    | ug/l # | 82       |
| 40) Benzene                 | 8.398          | 78   | 20568      | 1.152    | ug/l # | 81       |
| 52) Toluene                 | 10.445         | 92   | 29253      | 2.652    | ug/l   | 95       |
| 67) Ethyl Benzene           | 11.786         | 91   | 460662     | 19.369   | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.892         | 106  | 447160     | 50.366   | ug/l   | 98       |
| 69) o-Xylene                | 12.221         | 106  | 90491      | 10.212   | ug/l   | 95       |
| 73) Isopropylbenzene        | 12.521         | 105  | 25407      | 0.997    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.857         | 91   | 77830      | 2.671    | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene  | 12.998         | 105  | 81504      | 3.988    | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.304         | 105  | 491657     | 23.746   | ug/l   | 99       |
| 95) Naphthalene             | 15.433         | 128  | 125673     | 6.637    | ug/l   | 99       |
| -----                       |                |      |            |          |        |          |

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

Quant Time: Sep 05 05:36:29 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090222W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 03 04:35:33 2022  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

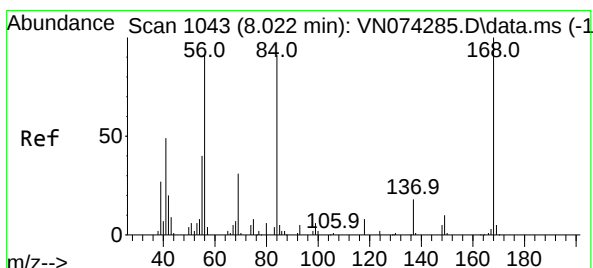
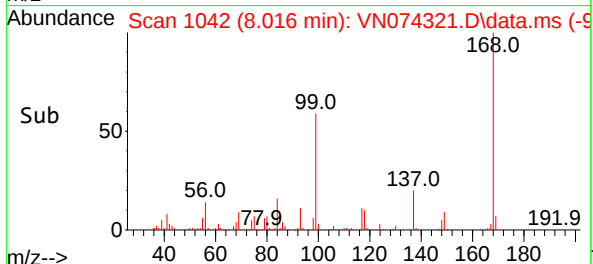
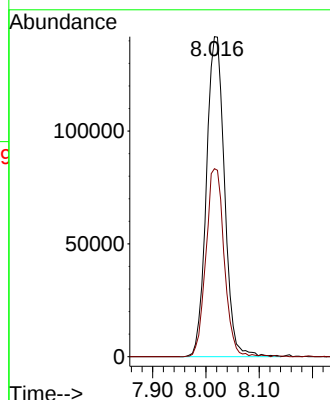
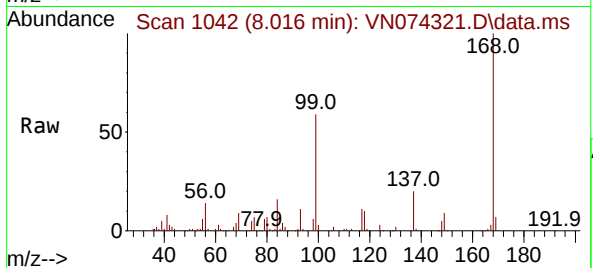
MW-23DL

Tgt Ion:168 Resp: 335143

Ion Ratio Lower Upper

168 100

99 58.7 42.3 63.5



#31

Cyclohexane

Concen: 8.691 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

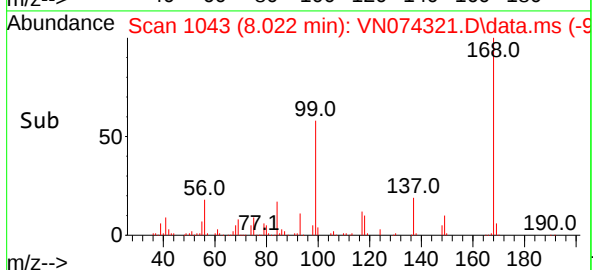
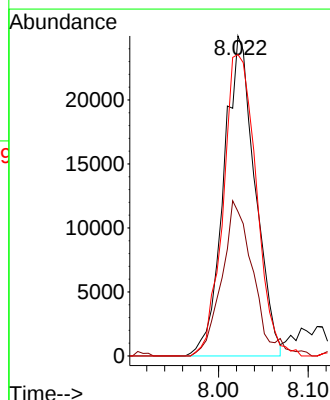
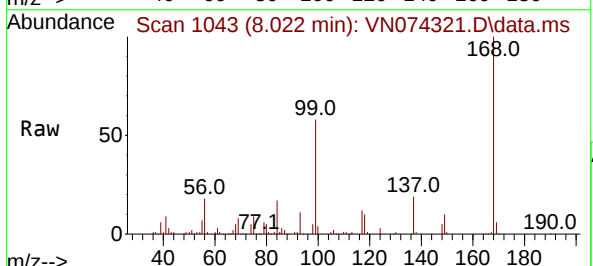
Tgt Ion: 56 Resp: 60643

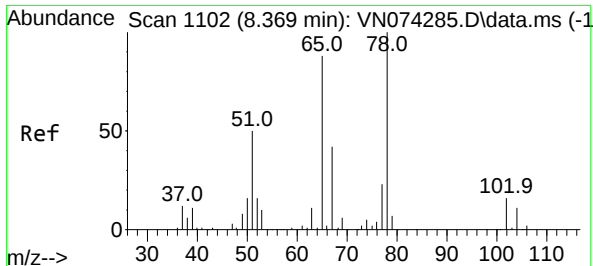
Ion Ratio Lower Upper

56 100

69 45.1 27.8 41.8#

84 94.2 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 45.181 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

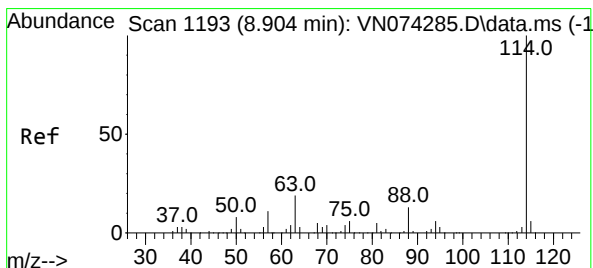
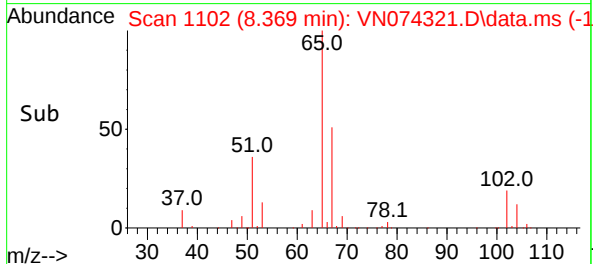
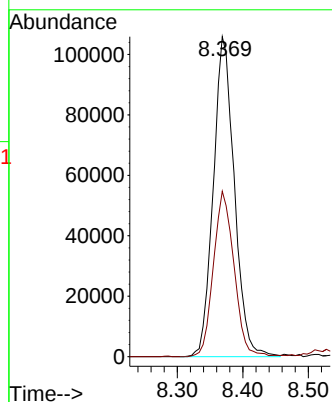
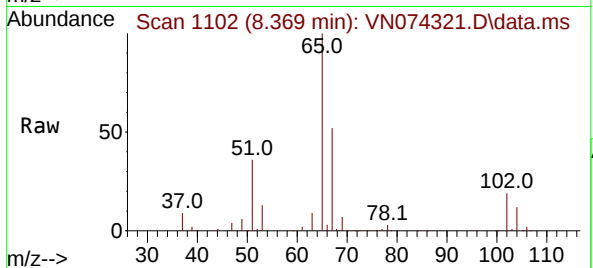
MW-23DL

Tgt Ion: 65 Resp: 236041

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

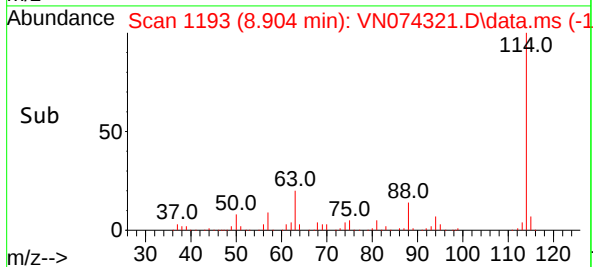
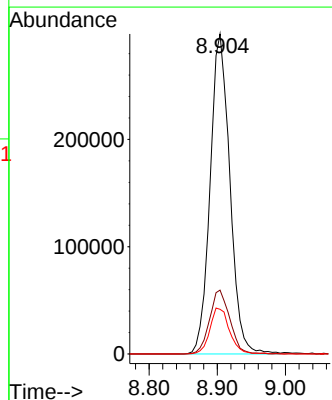
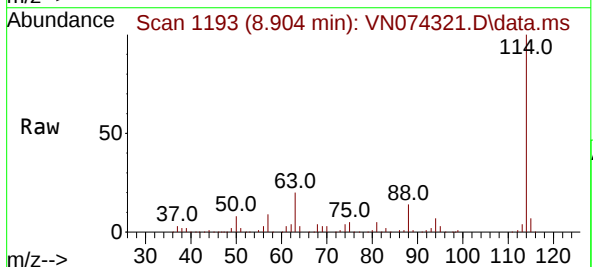
Tgt Ion: 114 Resp: 601551

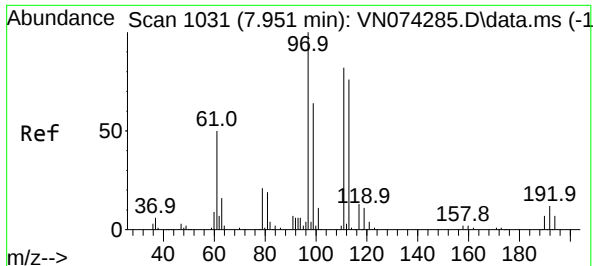
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 14.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.455 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

MW-23DL

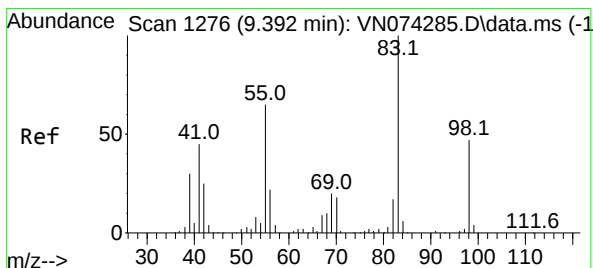
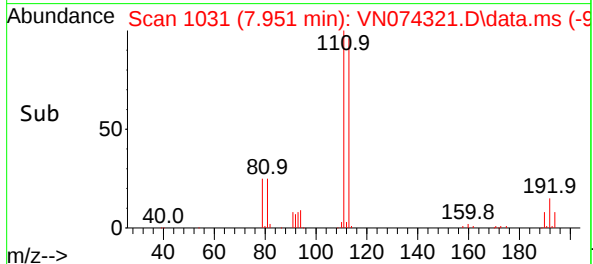
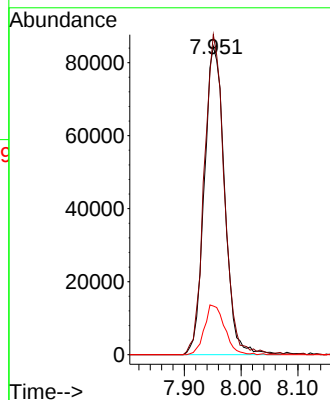
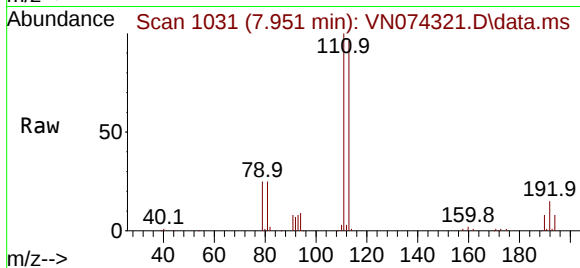
Tgt Ion:113 Resp: 209096

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 16.1 17.0 25.6#



#39

Methylcyclohexane

Concen: 3.211 ug/l

RT: 9.398 min Scan# 1277

Delta R.T. 0.006 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

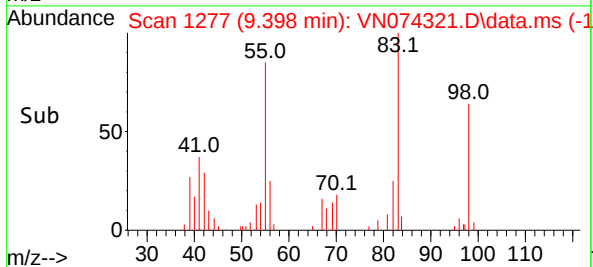
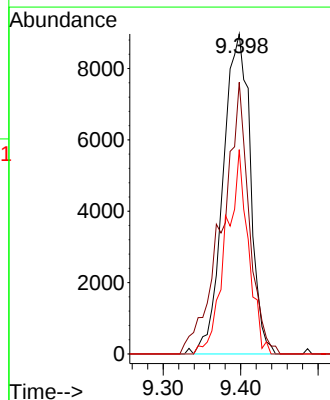
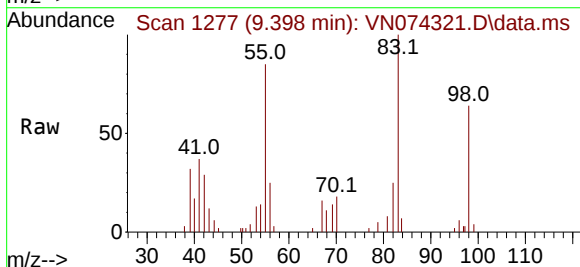
Tgt Ion: 83 Resp: 21888

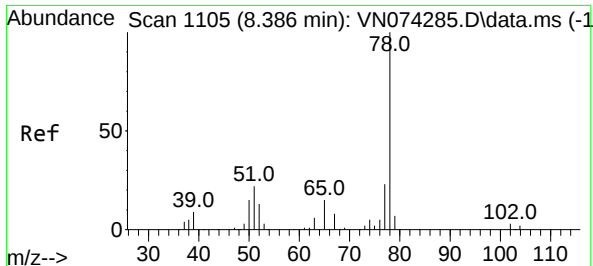
Ion Ratio Lower Upper

83 100

55 84.9 57.8 86.8

98 63.8 39.4 59.2#

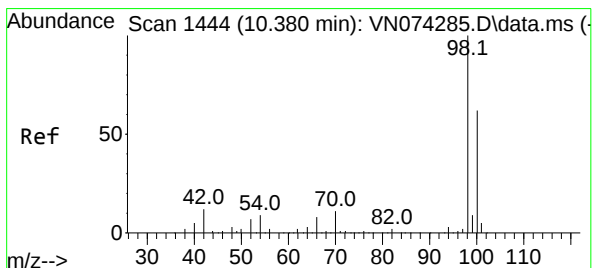
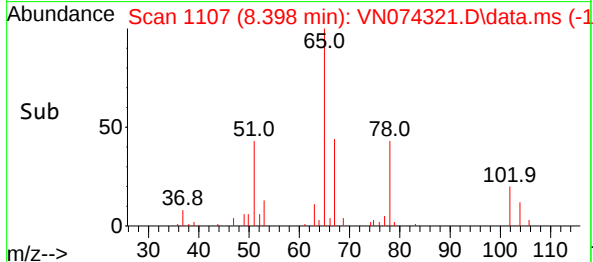
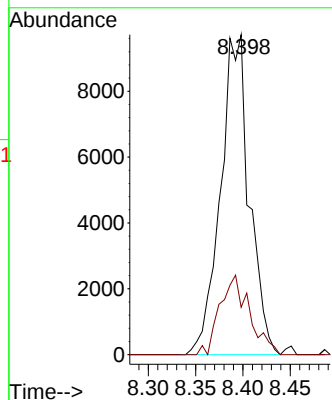
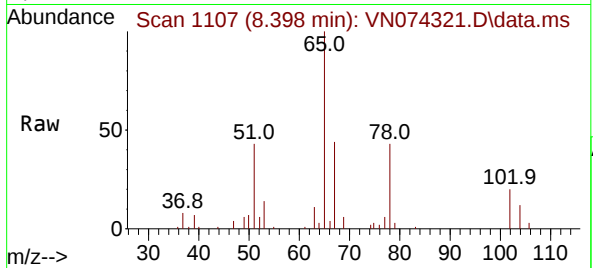




#40  
Benzene  
Concen: 1.152 ug/l  
RT: 8.398 min Scan# 1107  
Delta R.T. 0.006 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

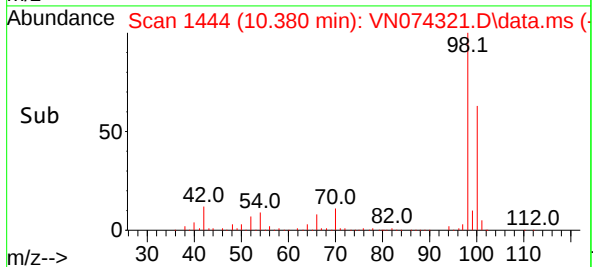
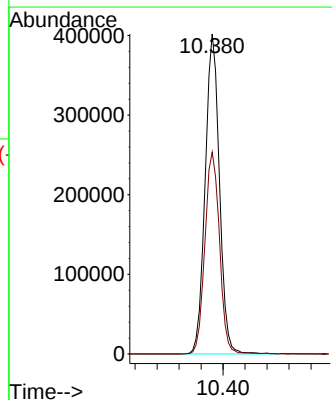
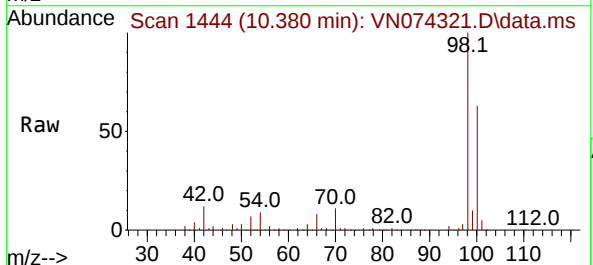
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-23DL

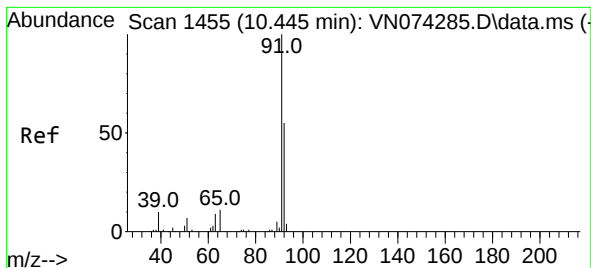
Tgt Ion: 78 Resp: 20568  
Ion Ratio Lower Upper  
78 100  
77 14.8 19.4 29.0#



#50  
Toluene-d8  
Concen: 46.057 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Tgt Ion: 98 Resp: 723945  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.6 78.8





#52

Toluene

Concen: 2.652 ug/l

RT: 10.445 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

Instrument :

MSVOA\_N

ClientSampleId :

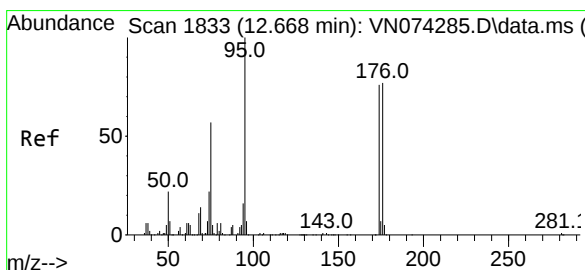
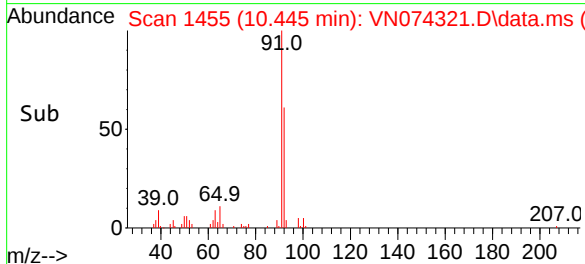
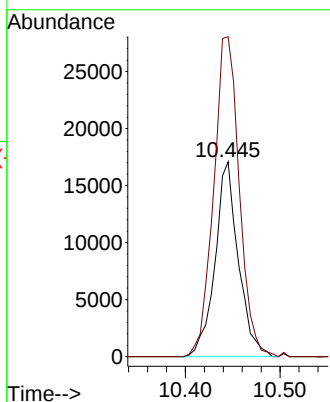
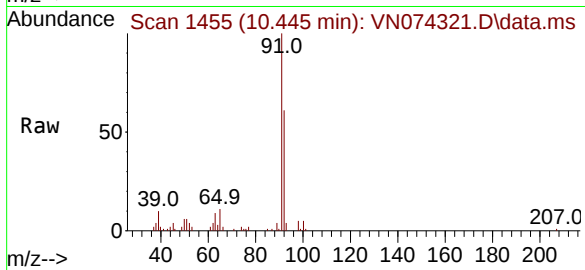
MW-23DL

Tgt Ion: 92 Resp: 29253

Ion Ratio Lower Upper

92 100

91 180.4 138.6 207.8



#62

4-Bromofluorobenzene

Concen: 49.420 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.001 min

Lab File: VN074321.D

Acq: 03 Sep 2022 16:55

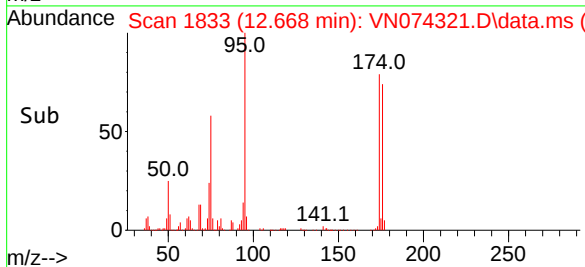
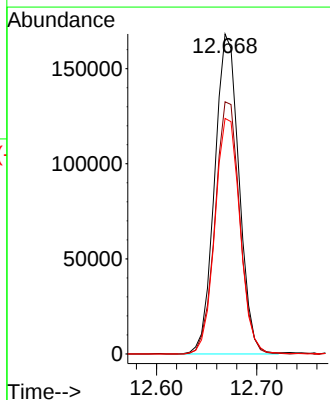
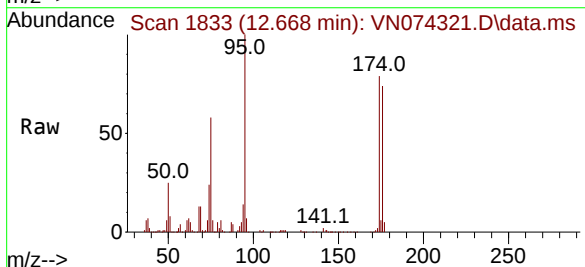
Tgt Ion: 95 Resp: 284044

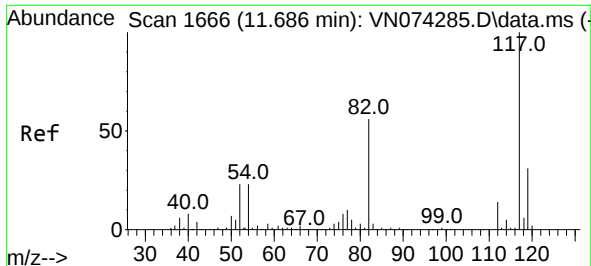
Ion Ratio Lower Upper

95 100

174 79.7 0.0 167.6

176 75.7 0.0 163.4

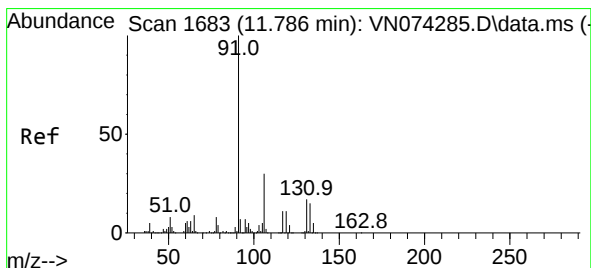
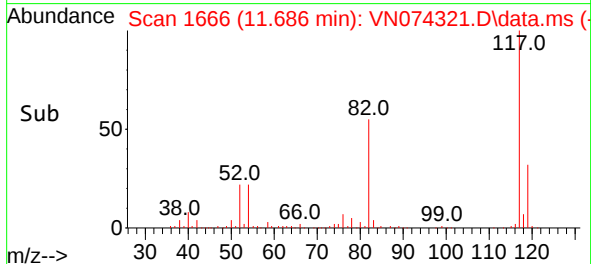
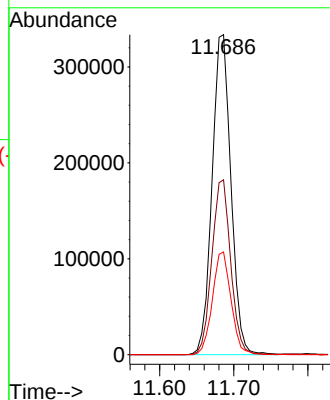
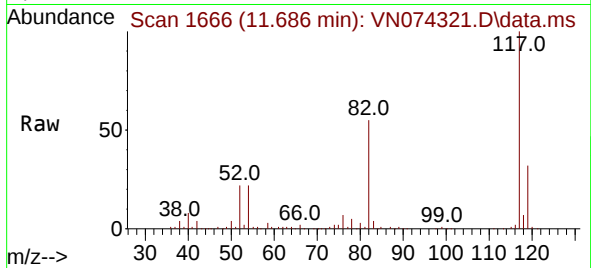




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

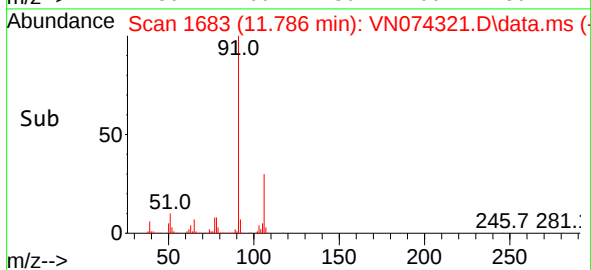
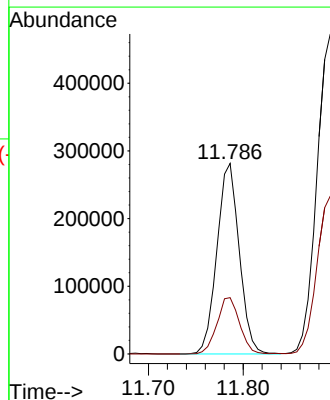
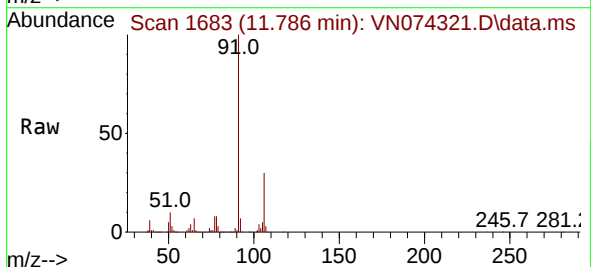
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MW-23DL

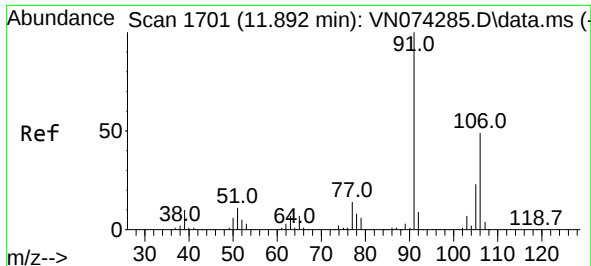
Tgt Ion:117 Resp: 590190  
Ion Ratio Lower Upper  
117 100  
82 54.7 44.2 66.2  
119 32.1 25.4 38.0



#67  
Ethyl Benzene  
Concen: 19.369 ug/l  
RT: 11.786 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Tgt Ion: 91 Resp: 460662  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.9 37.3

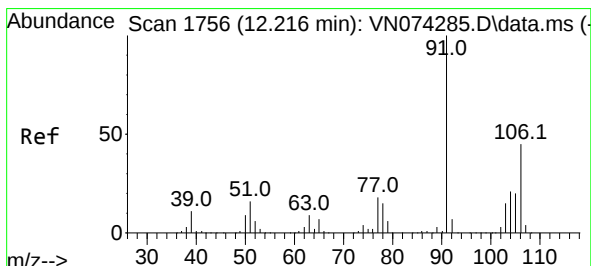
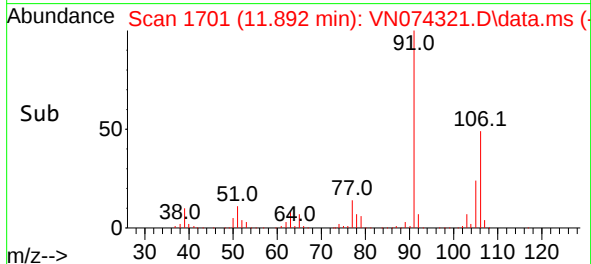
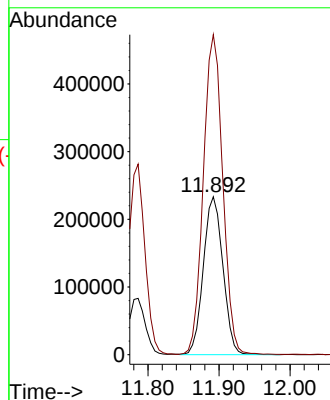
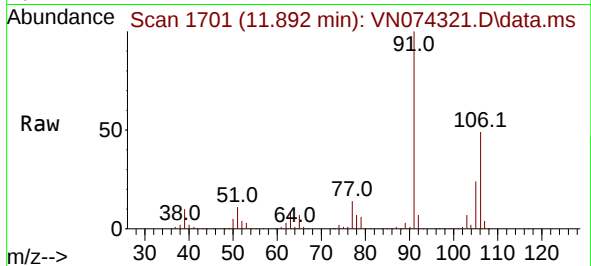




#68  
m/p-Xylenes  
Concen: 50.366 ug/l  
RT: 11.892 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

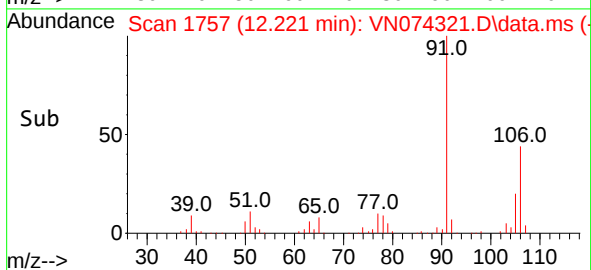
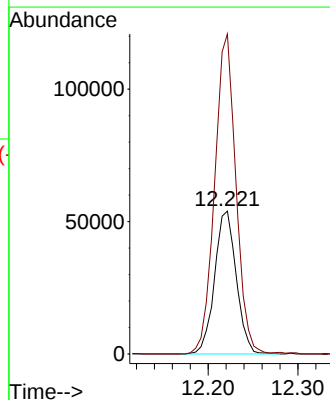
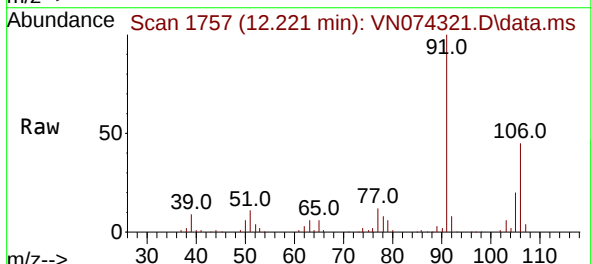
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-23DL

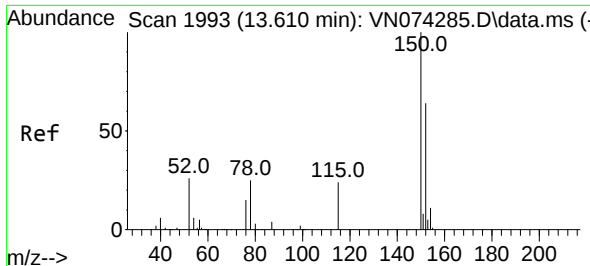
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Ion Ratio Lower Upper  
106 100  
91 200.9 158.9 238.3



#69  
o-Xylene  
Concen: 10.212 ug/l  
RT: 12.221 min Scan# 1757  
Delta R.T. 0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Tgt Ion:106 Resp: 90491  
Ion Ratio Lower Upper  
106 100  
91 220.3 106.0 318.0

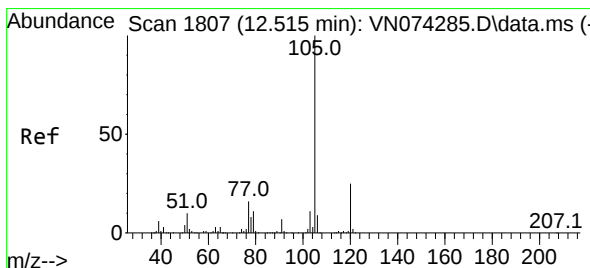
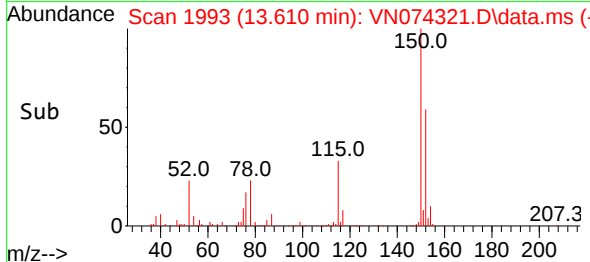
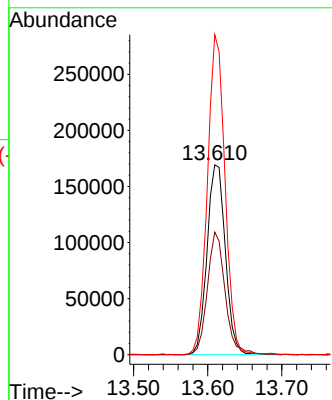
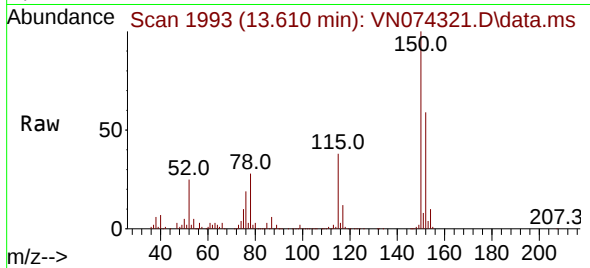




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.610 min Scan# 1993  
Delta R.T. -0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

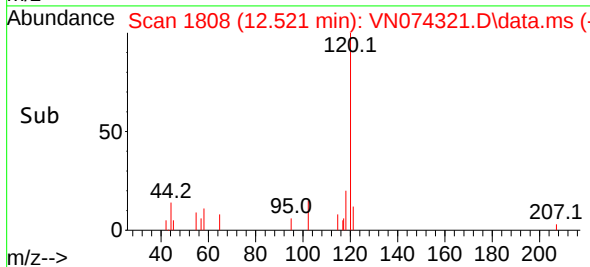
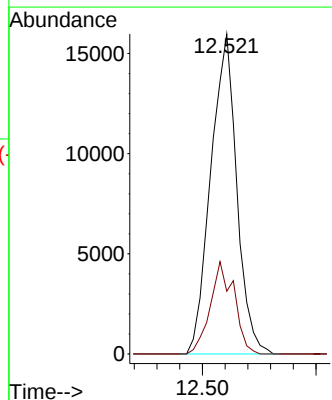
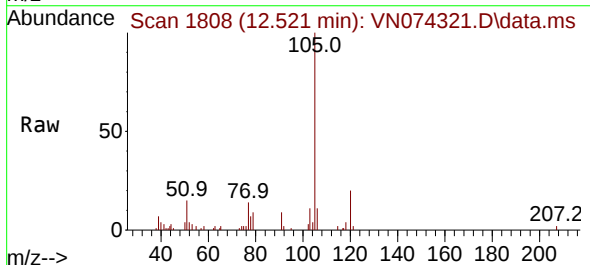
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-23DL

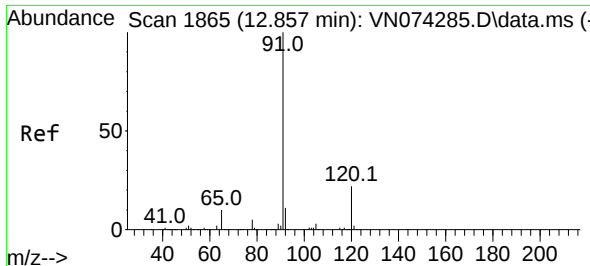
Tgt Ion:152 Resp: 291120  
Ion Ratio Lower Upper  
152 100  
115 62.6 28.9 86.7  
150 161.5 0.0 356.2



#73  
Isopropylbenzene  
Concen: 0.997 ug/l  
RT: 12.521 min Scan# 1808  
Delta R.T. 0.005 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Tgt Ion:105 Resp: 25407  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.5 40.4

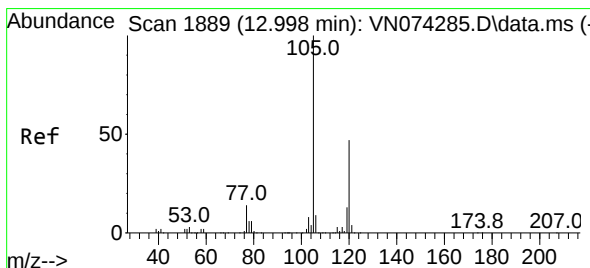
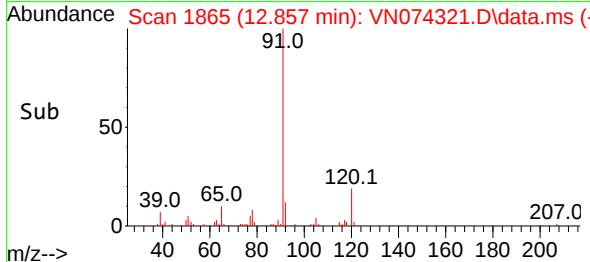
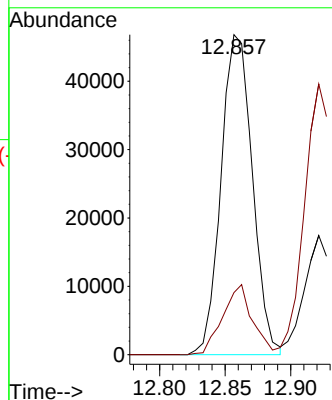
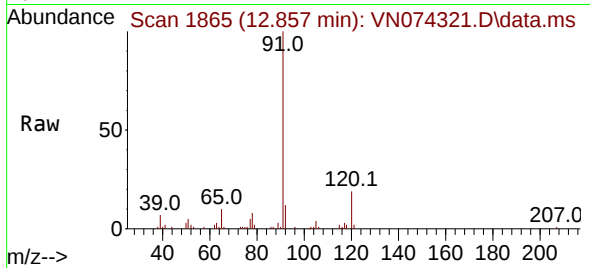




#78  
n-propylbenzene  
Concen: 2.671 ug/l  
RT: 12.857 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

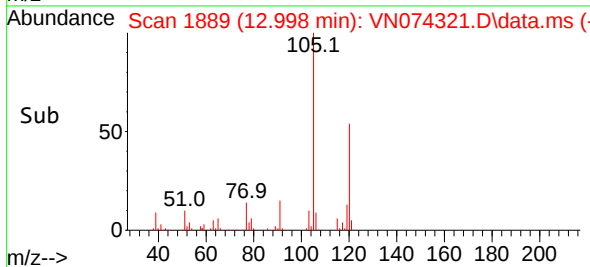
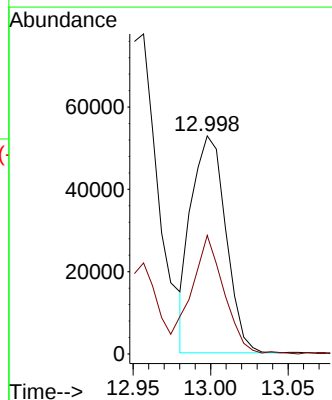
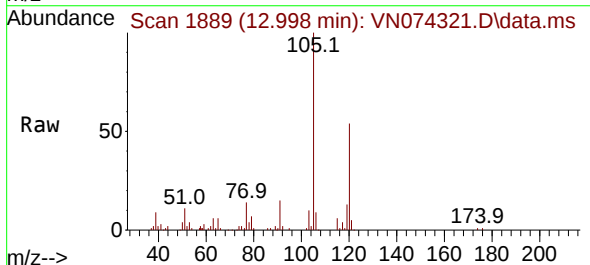
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-23DL

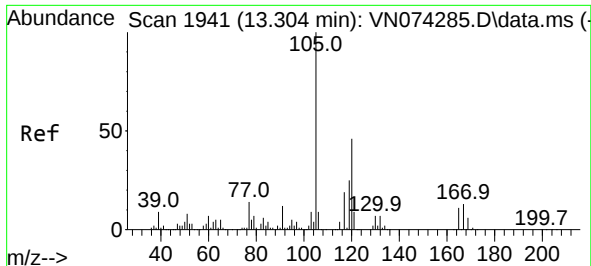
Tgt Ion: 91 Resp: 77830  
Ion Ratio Lower Upper  
91 100  
120 20.7 11.9 35.5



#80  
1,3,5-Trimethylbenzene  
Concen: 3.988 ug/l  
RT: 12.998 min Scan# 1889  
Delta R.T. -0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Tgt Ion: 105 Resp: 81504  
Ion Ratio Lower Upper  
105 100  
120 52.2 24.9 74.7

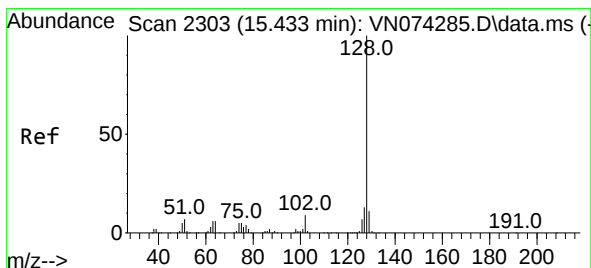
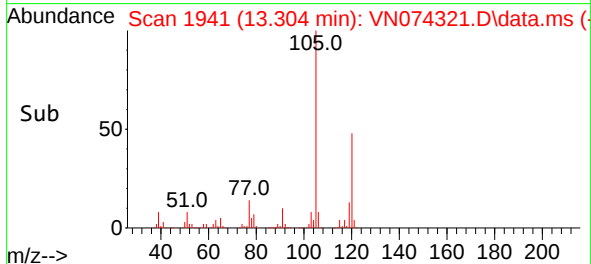
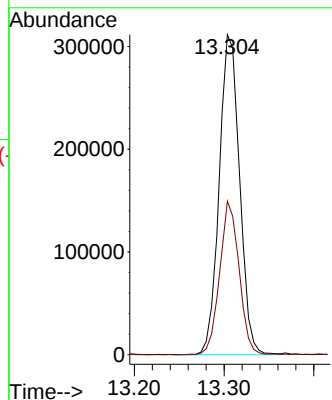
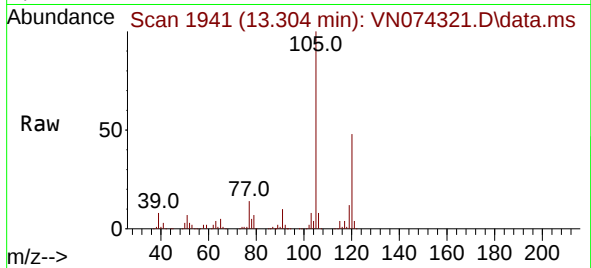




#84  
1,2,4-Trimethylbenzene  
Concen: 23.746 ug/l  
RT: 13.304 min Scan# 1941  
Delta R.T. -0.006 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-23DL

Tgt Ion:105 Resp: 491657  
Ion Ratio Lower Upper  
105 100  
120 45.6 23.3 69.8



#95  
Naphthalene  
Concen: 6.637 ug/l  
RT: 15.433 min Scan# 2303  
Delta R.T. -0.000 min  
Lab File: VN074321.D  
Acq: 03 Sep 2022 16:55

Tgt Ion:128 Resp: 125673  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.3 15.5  
129 11.0 8.6 13.0

