

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022323\  
 Data File : VN076794.D  
 Acq On : 23 Feb 2023 15:37  
 Operator : JC\MD  
 Sample : 01664-01DL 4X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10-0222DL

Quant Time: Feb 24 01:35:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

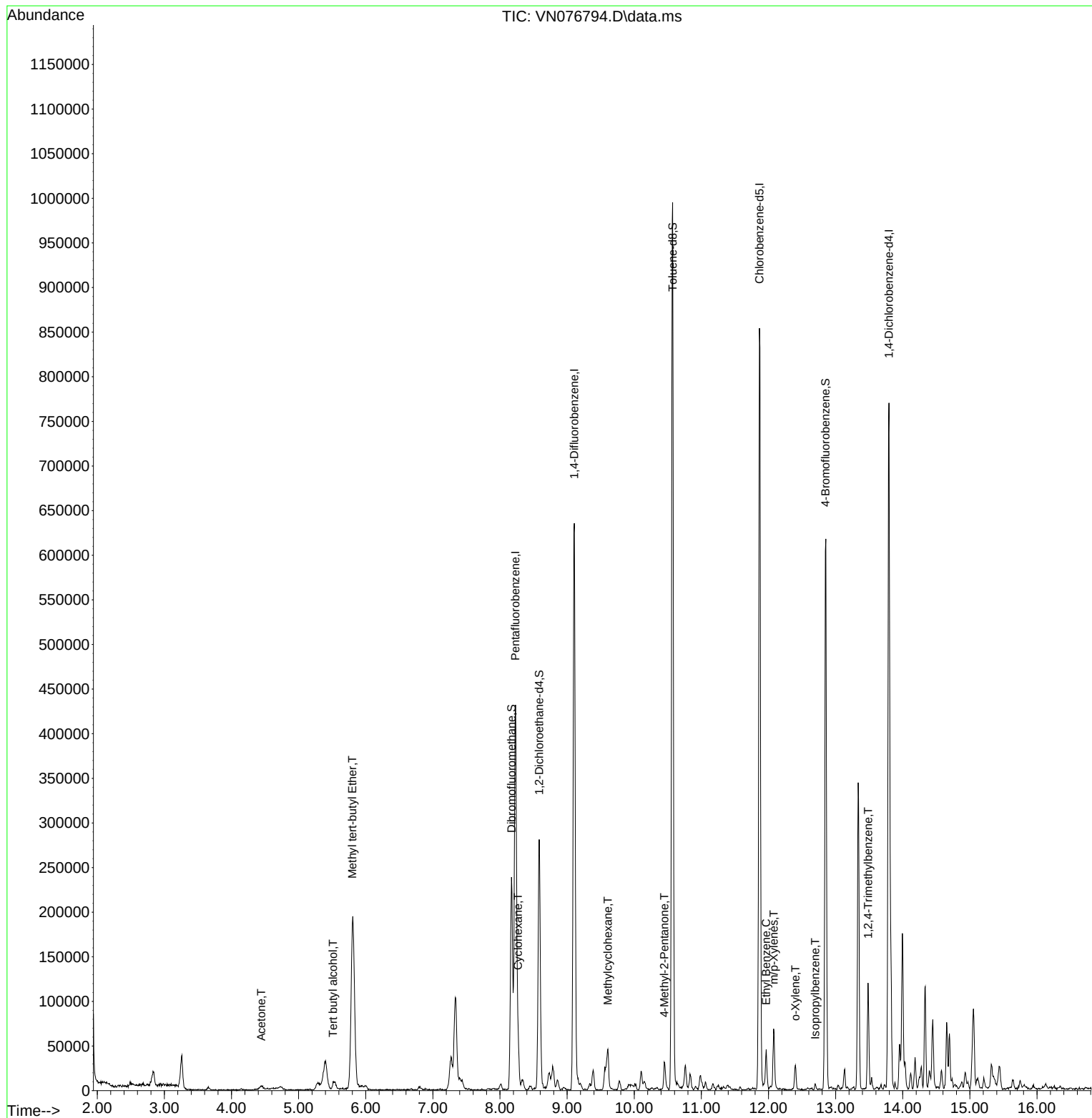
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.231  | 168   | 307601   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 537259   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.866 | 117   | 473602   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 195589   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 217258   | 51.149   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 102.300% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 161973   | 46.036   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 92.080%  |
| 50) Toluene-d8              | 10.572 | 98    | 666726   | 50.741   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 101.480% |
| 62) 4-Bromofluorobenzene    | 12.848 | 95    | 198932   | 45.711   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 91.420%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.513  | 59    | 14776m   | 26.355   | ug/l   |          |
| 16) Acetone                 | 4.443  | 43    | 5974     | 3.149    | ug/l   | # 55     |
| 19) Methyl tert-butyl Ether | 5.801  | 73    | 275708   | 25.757   | ug/l   | 100      |
| 31) Cyclohexane             | 8.266  | 56    | 33504m   | 5.028    | ug/l   |          |
| 39) Methylcyclohexane       | 9.607  | 83    | 18162    | 3.143    | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone    | 10.448 | 43    | 5012     | 0.905    | ug/l   | 97       |
| 67) Ethyl Benzene           | 11.966 | 91    | 23152    | 1.354    | ug/l   | 97       |
| 68) m/p-Xylenes             | 12.077 | 106   | 19140    | 2.904    | ug/l   | 90       |
| 69) o-Xylene                | 12.401 | 106   | 6768     | 1.053    | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.695 | 105   | 3699     | 0.258    | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.483 | 105   | 62863    | 5.324    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

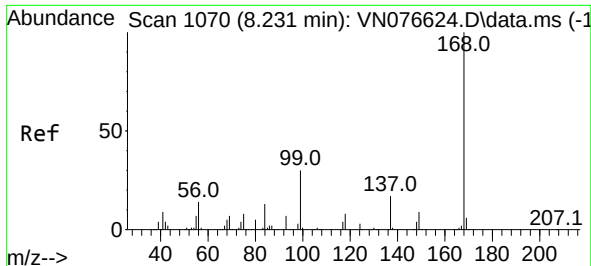
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 14 01:44:47 2023  
Response via : Initial Calibration

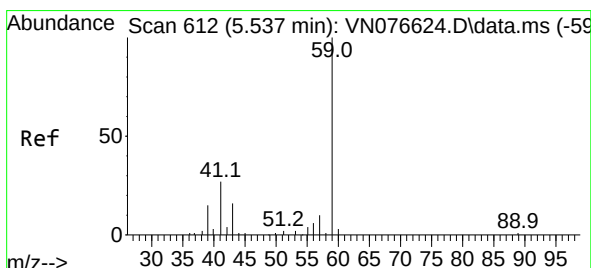
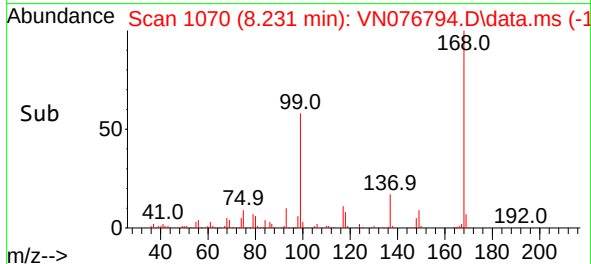
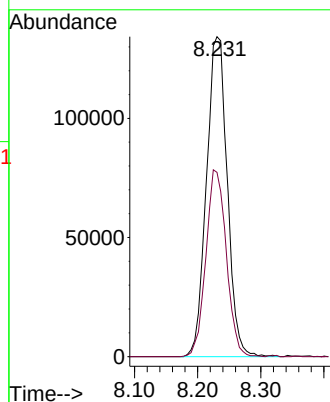
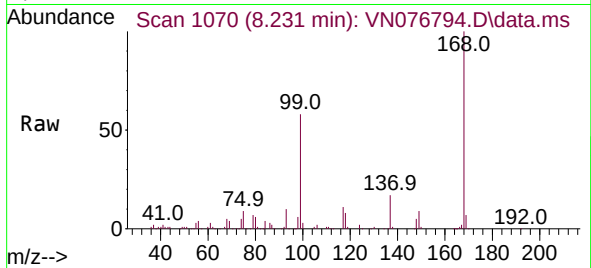




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

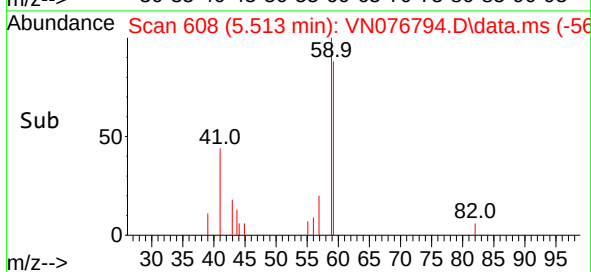
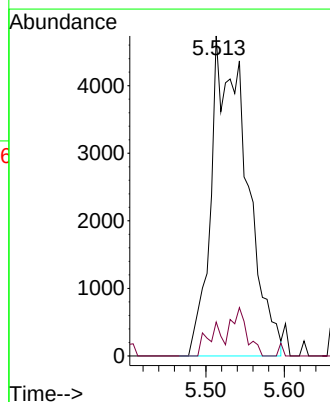
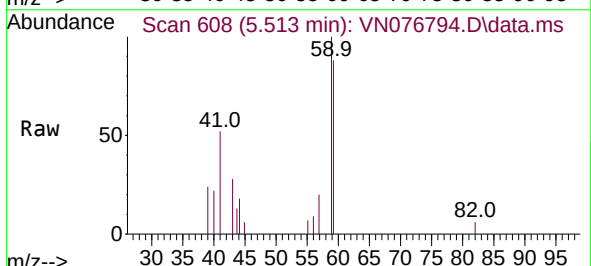
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10-0222DL

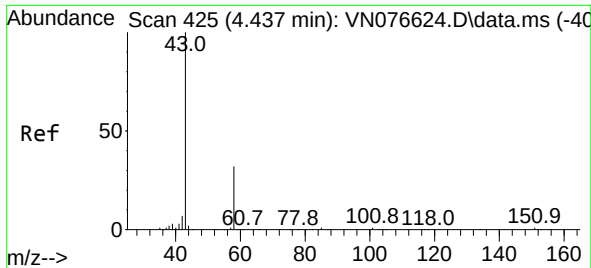
Tgt Ion:168 Resp: 307601  
Ion Ratio Lower Upper  
168 100  
99 57.6 44.8 67.2



#11  
Tert butyl alcohol  
Concen: 26.355 ug/l m  
RT: 5.513 min Scan# 608  
Delta R.T. -0.024 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion: 59 Resp: 14776  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

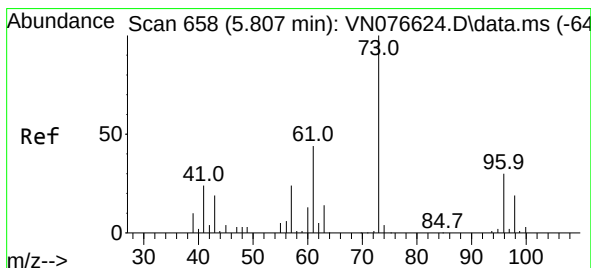
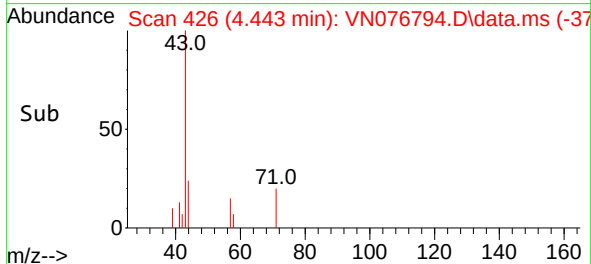
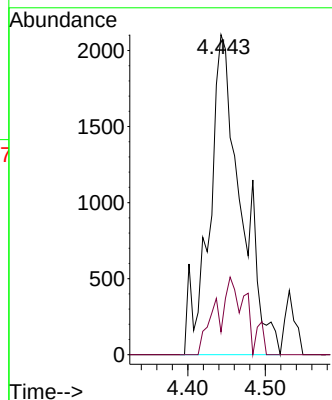
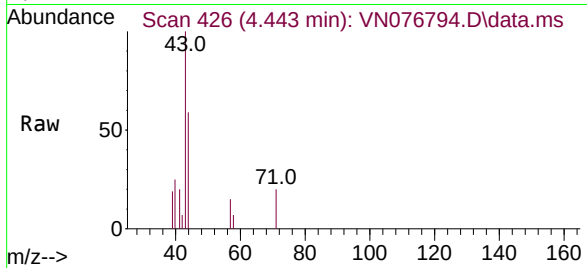




#16  
Acetone  
Concen: 3.149 ug/l  
RT: 4.443 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

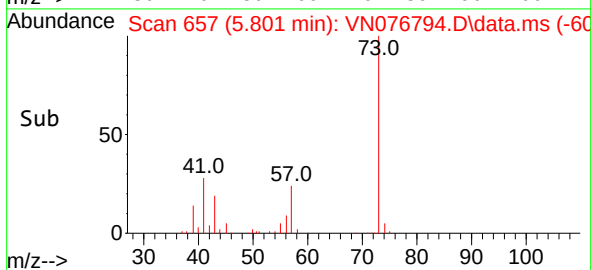
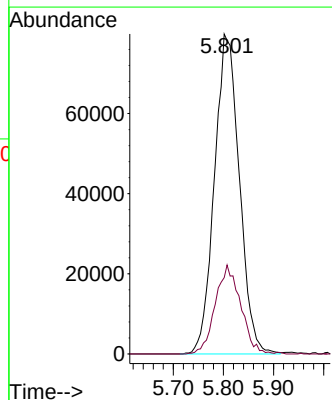
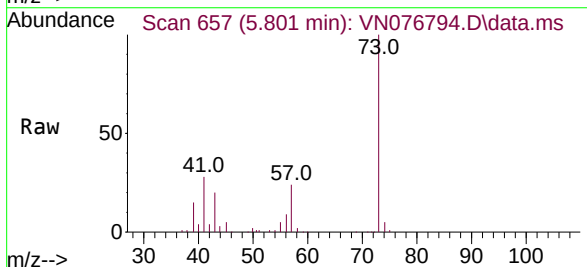
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MW-10-0222DL

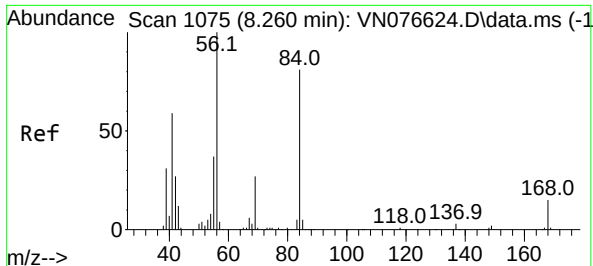
Tgt Ion: 43 Resp: 5974  
Ion Ratio Lower Upper  
43 100  
58 7.1 25.9 38.9#



#19  
Methyl tert-butyl Ether  
Concen: 25.757 ug/l  
RT: 5.801 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion: 73 Resp: 275708  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.0 28.4

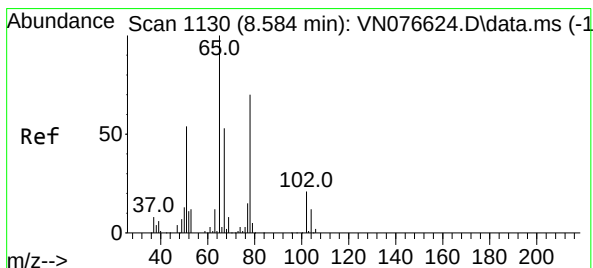
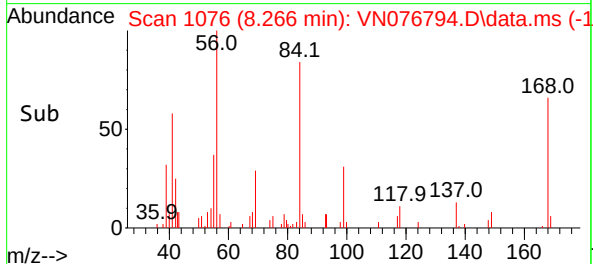
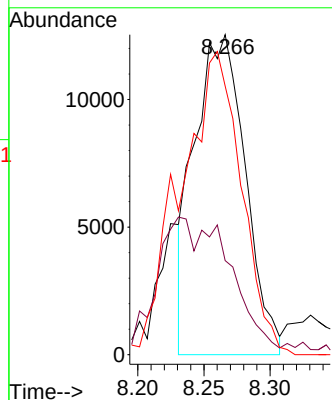
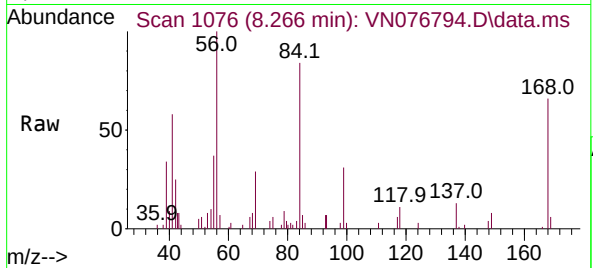




#31  
Cyclohexane  
Concen: 5.028 ug/l m  
RT: 8.266 min Scan# 1075  
Delta R.T. 0.006 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

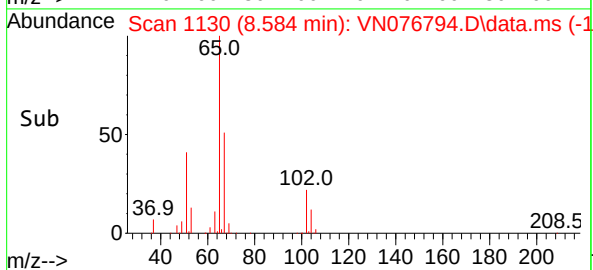
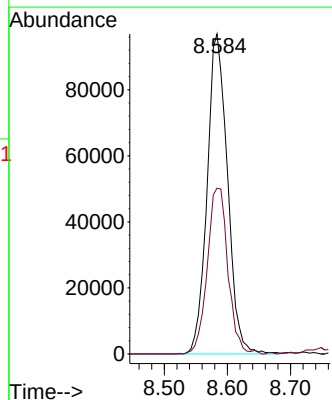
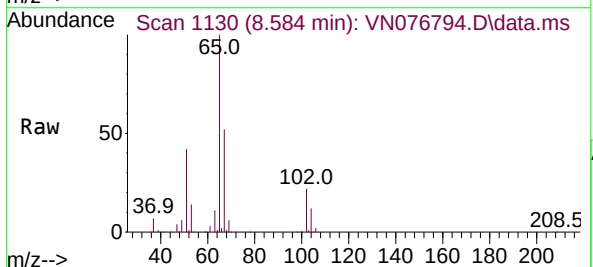
Instrument :  
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ClientSampleId :  
MW-10-0222DL

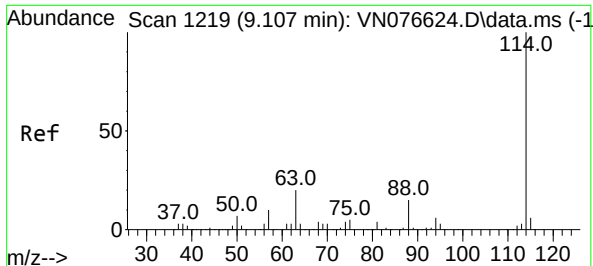
Tgt Ion: 56 Resp: 33504  
Ion Ratio Lower Upper  
56 100  
69 29.4 21.6 32.4  
84 83.9 65.1 97.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.149 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion: 65 Resp: 217258  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.6

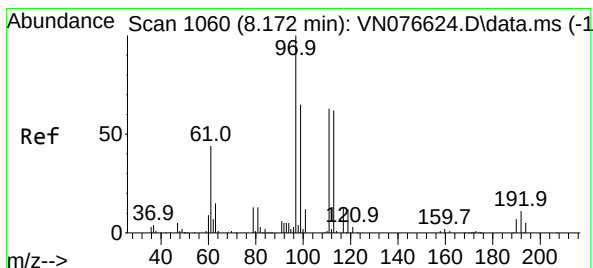
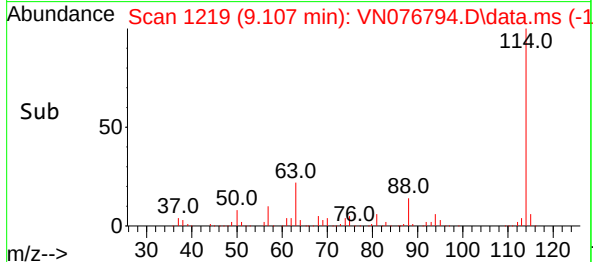
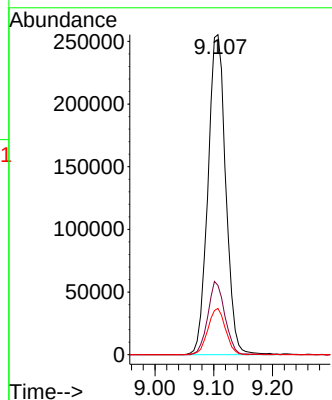
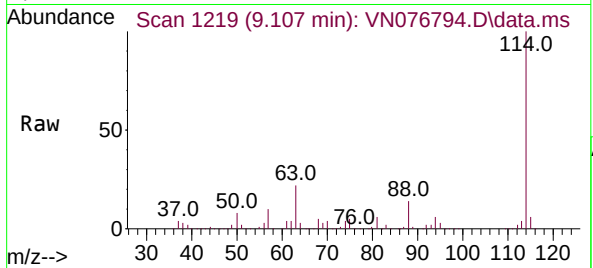




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

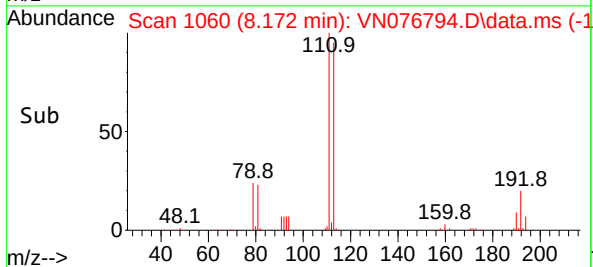
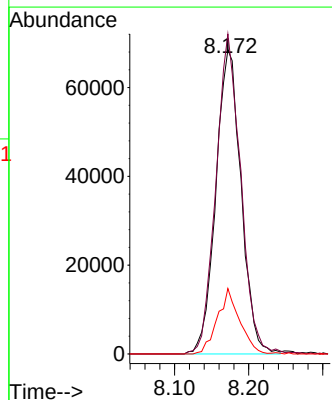
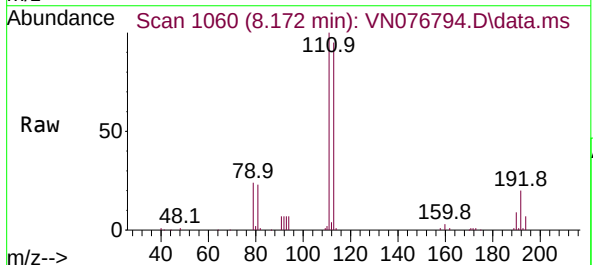
Instrument :  
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ClientSampleId :  
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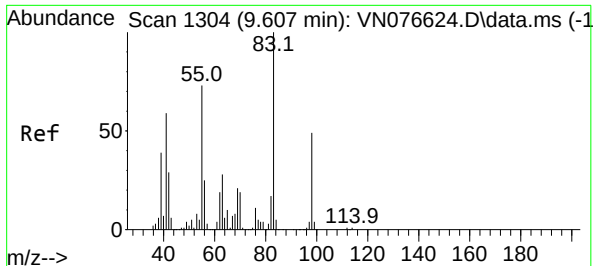
Tgt Ion:114 Resp: 537259  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 40.0  
88 14.5 0.0 29.6



#35  
Dibromofluoromethane  
Concen: 46.036 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion:113 Resp: 161973  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.1 124.7  
192 18.9 15.6 23.4





#39

Methylcyclohexane

Concen: 3.143 ug/l

RT: 9.607 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076794.D

Acq: 23 Feb 2023 15:37

Instrument :

MSVOA\_N

ClientSampleId :

MW-10-0222DL

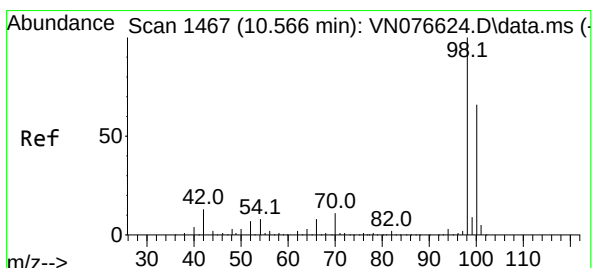
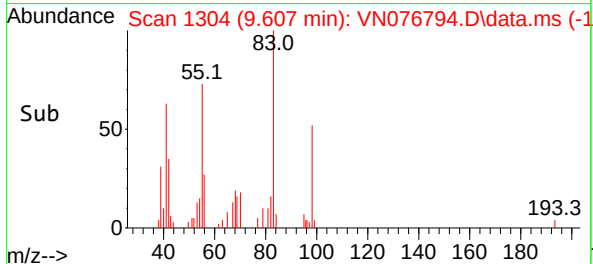
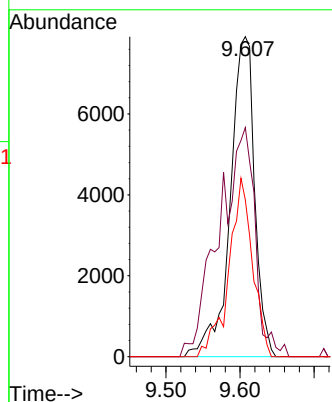
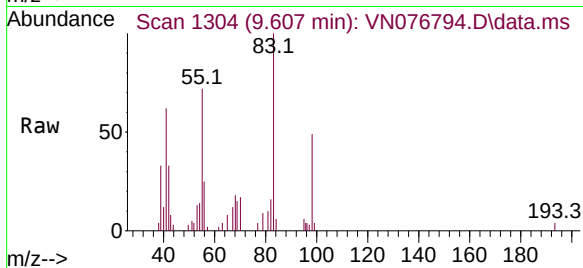
Tgt Ion: 83 Resp: 18162

Ion Ratio Lower Upper

83 100

55 71.6 58.6 88.0

98 49.0 39.4 59.2



#50

Toluene-d8

Concen: 50.741 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076794.D

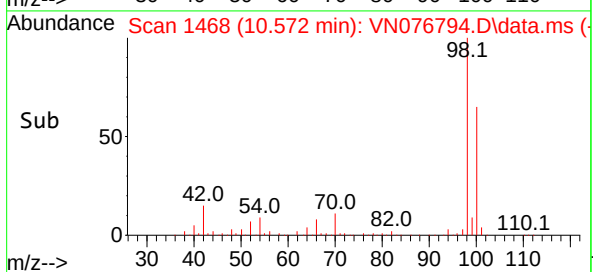
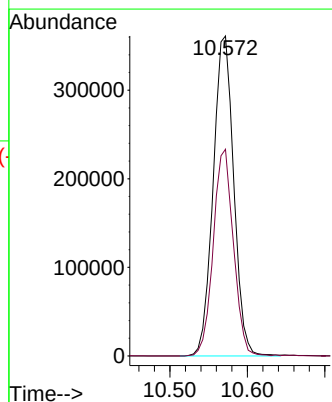
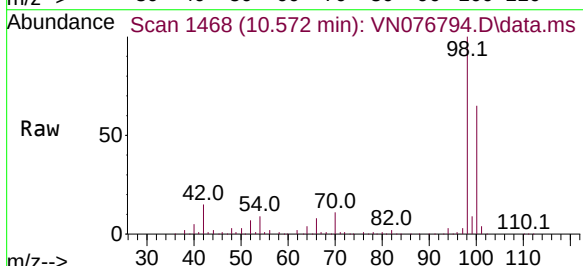
Acq: 23 Feb 2023 15:37

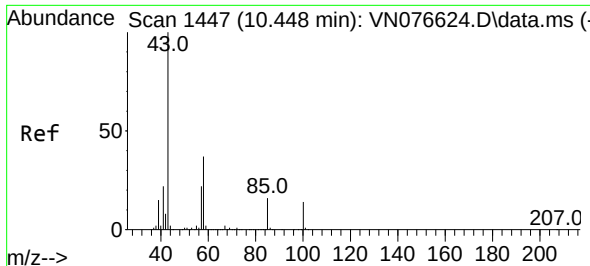
Tgt Ion: 98 Resp: 666726

Ion Ratio Lower Upper

98 100

100 63.2 52.9 79.3

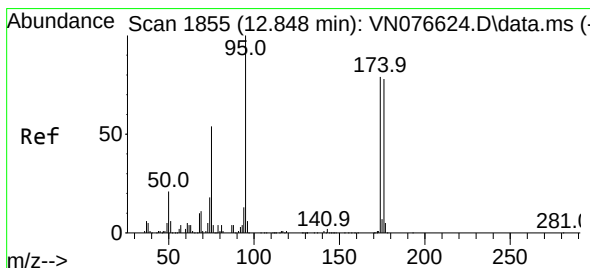
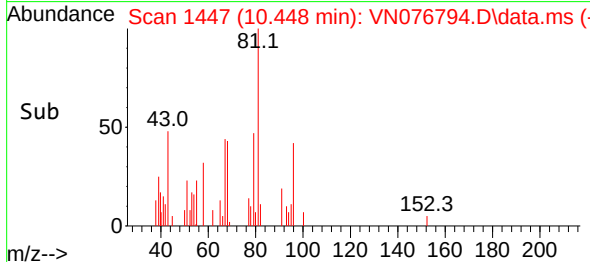
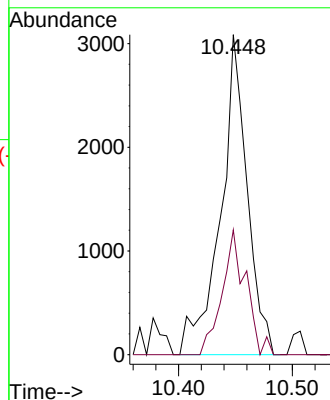
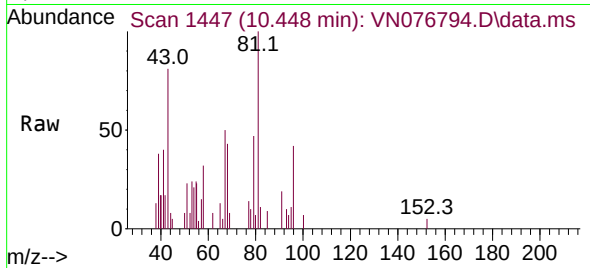




#51  
4-Methyl-2-Pentanone  
Concen: 0.905 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

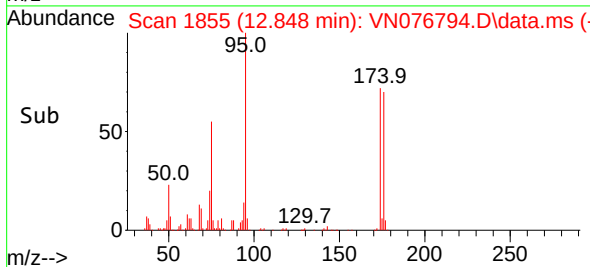
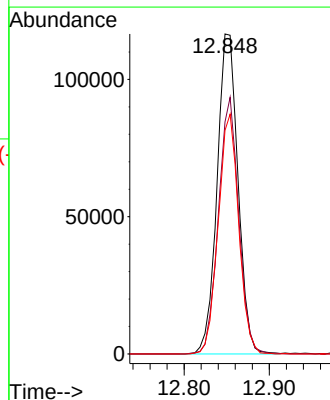
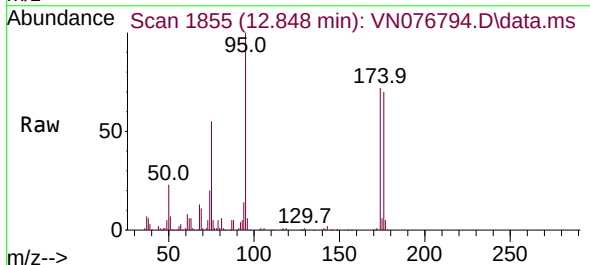
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ClientSampleId :  
MW-10-0222DL

Tgt Ion: 43 Resp: 5012  
Ion Ratio Lower Upper  
43 100  
58 35.0 29.5 44.3

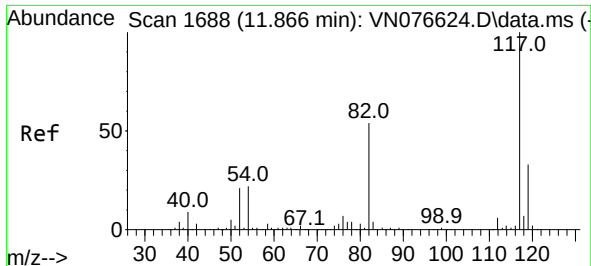


#62  
4-Bromofluorobenzene  
Concen: 45.711 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. 0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion: 95 Resp: 198932  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 169.2  
176 73.2 0.0 163.4



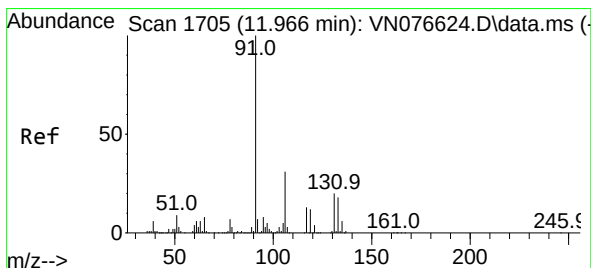
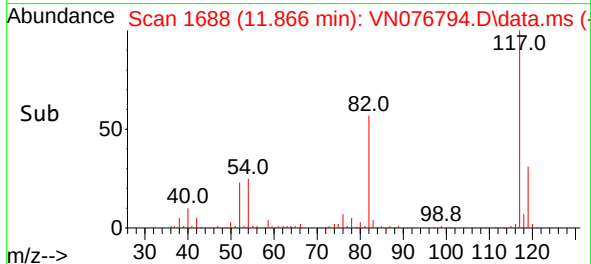
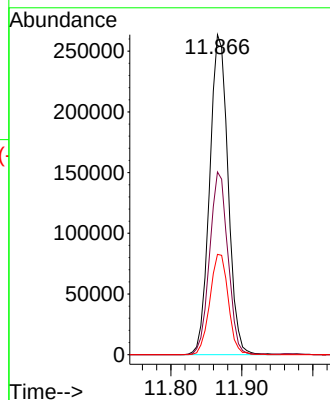
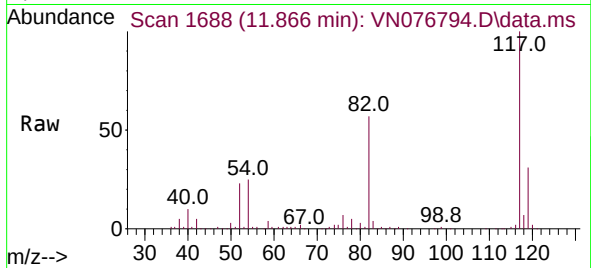




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

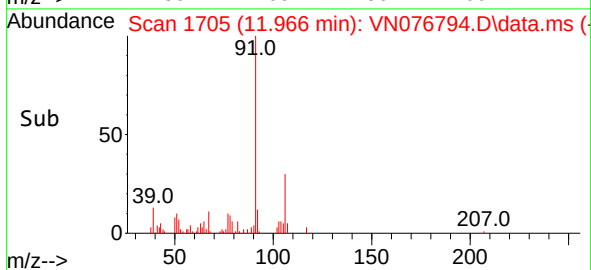
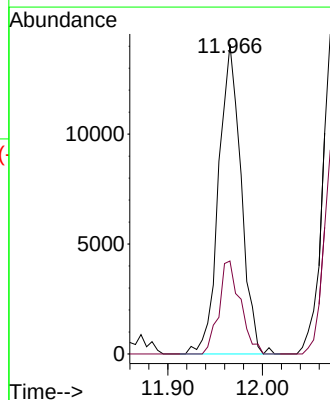
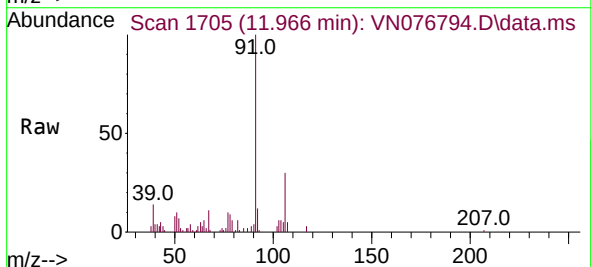
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ClientSampleId :  
MW-10-0222DL

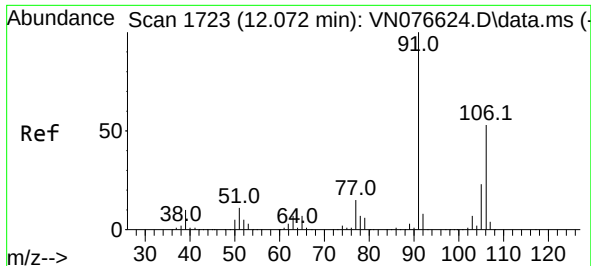
Tgt Ion:117 Resp: 473602  
Ion Ratio Lower Upper  
117 100  
82 57.1 43.4 65.2  
119 31.3 26.1 39.1



#67  
Ethyl Benzene  
Concen: 1.354 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion: 91 Resp: 23152  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.1 37.7

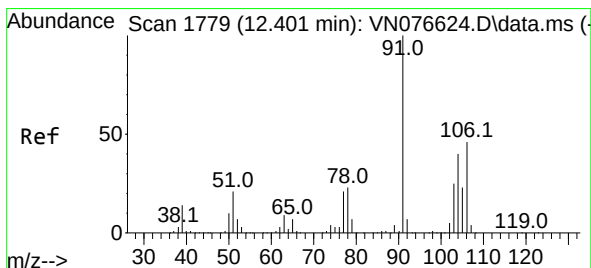
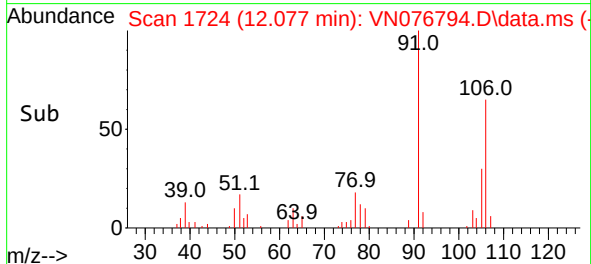
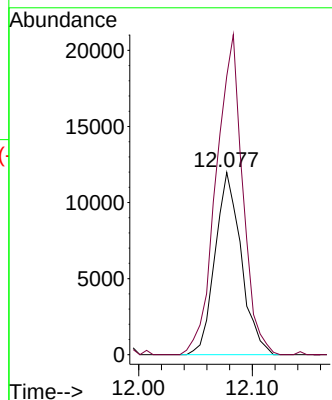
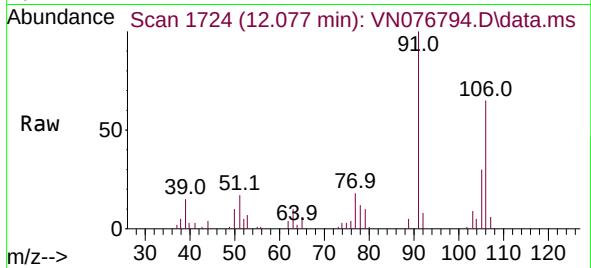




#68  
m/p-Xylenes  
Concen: 2.904 ug/l  
RT: 12.077 min Scan# 1723  
Delta R.T. 0.005 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

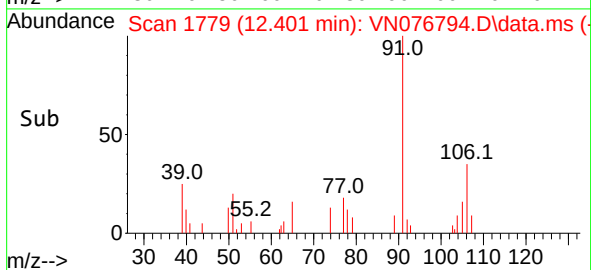
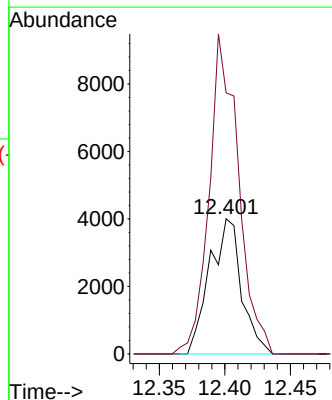
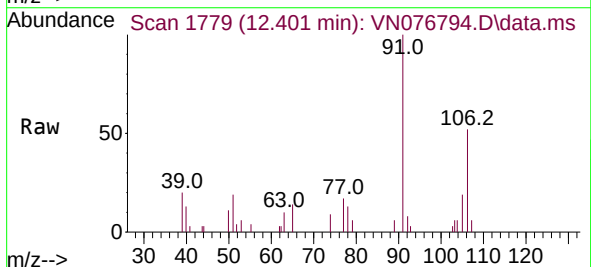
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10-0222DL

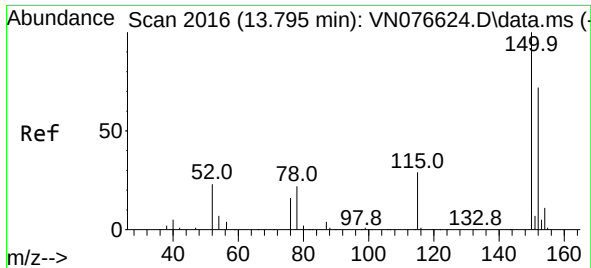
Tgt Ion:106 Resp: 19140  
Ion Ratio Lower Upper  
106 100  
91 178.8 154.7 232.1



#69  
o-Xylene  
Concen: 1.053 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN076794.D  
Acq: 23 Feb 2023 15:37

Tgt Ion:106 Resp: 6768  
Ion Ratio Lower Upper  
106 100  
91 217.7 105.8 317.4

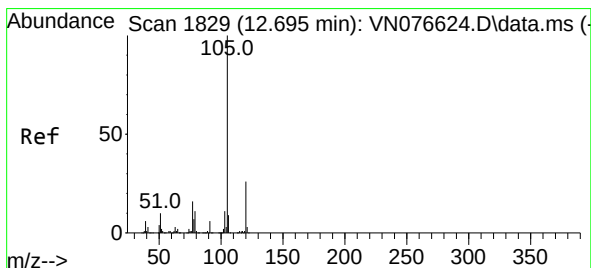
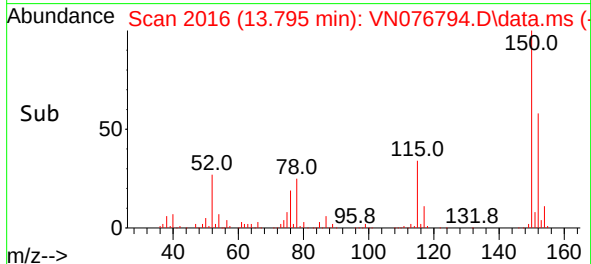
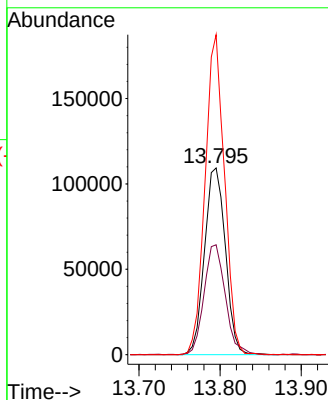
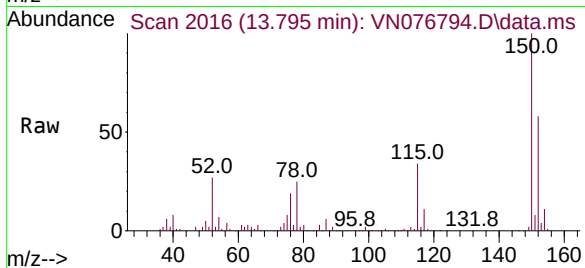




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.795 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN076794.D  
 Acq: 23 Feb 2023 15:37

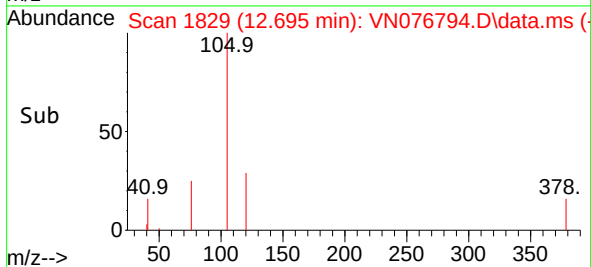
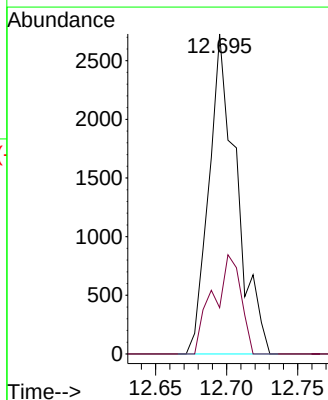
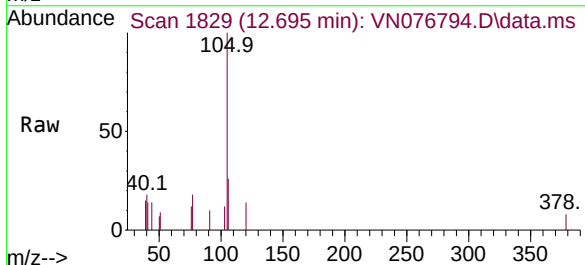
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10-0222DL

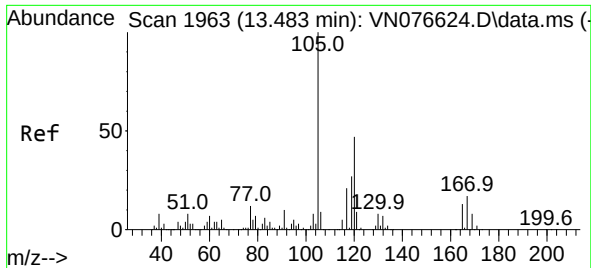
Tgt Ion:152 Resp: 195589  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 29.3 87.9  
 150 158.8 0.0 349.8



#73  
 Isopropylbenzene  
 Concen: 0.258 ug/l  
 RT: 12.695 min Scan# 1829  
 Delta R.T. 0.000 min  
 Lab File: VN076794.D  
 Acq: 23 Feb 2023 15:37

Tgt Ion:105 Resp: 3699  
 Ion Ratio Lower Upper  
 105 100  
 120 30.8 13.7 41.0





#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.324 ug/l  
 RT: 13.483 min Scan# 1963  
 Delta R.T. 0.000 min  
 Lab File: VN076794.D  
 Acq: 23 Feb 2023 15:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10-0222DL

Tgt Ion:105 Resp: 62863  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 23.0 69.0

