

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032823\  
 Data File : VX034810.D  
 Acq On : 28 Mar 2023 21:51  
 Operator : JC/MD  
 Sample : 02084-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5B

Quant Time: Mar 29 04:10:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

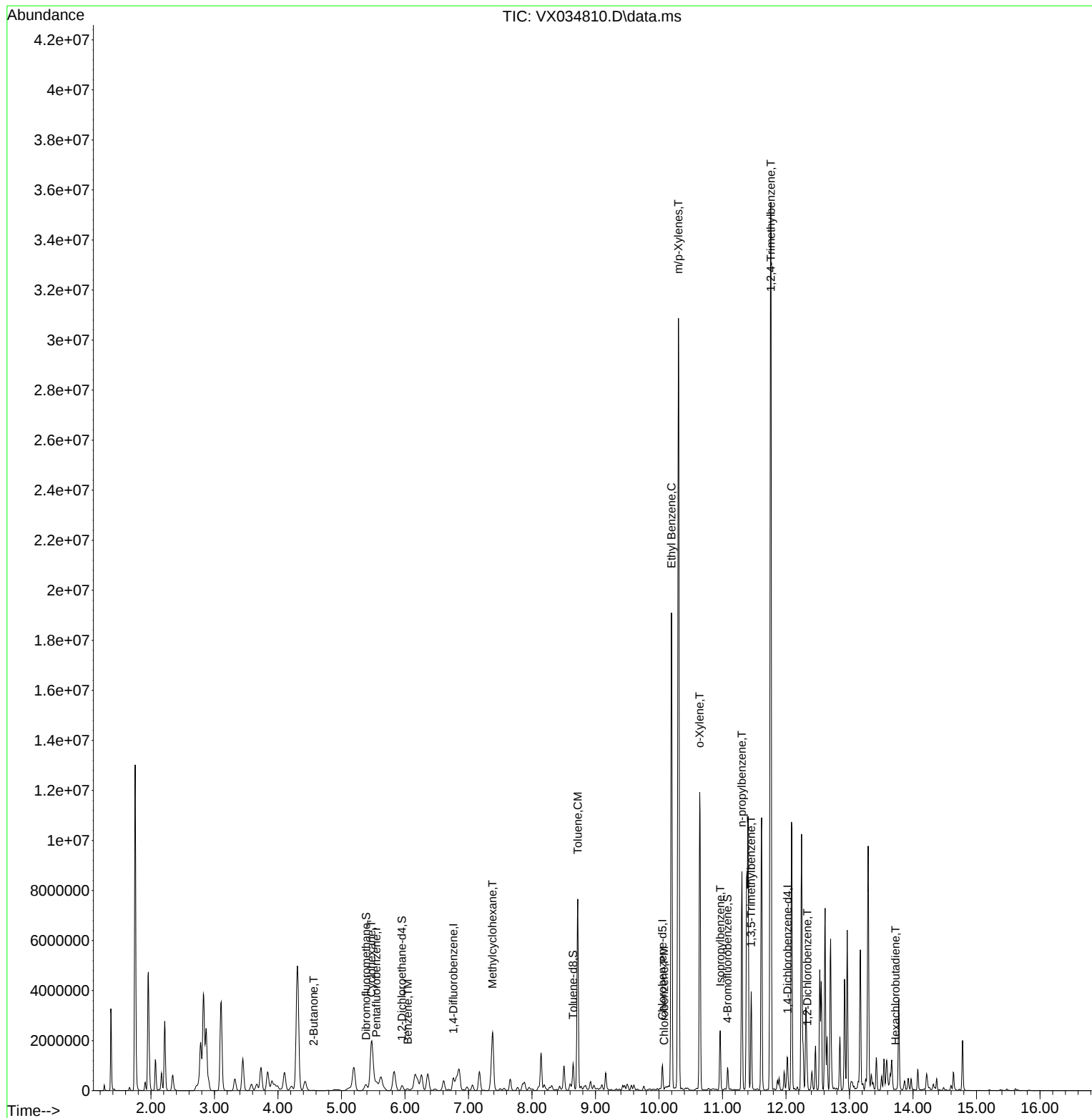
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 270017     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 458525     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 431214     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 232655     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 190917     | 48.602   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 97.200%  |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 143553     | 47.418   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 94.840%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 569718     | 50.411   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 100.820% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 250317     | 54.835   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 109.660% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 25) 2-Butanone              | 4.562          | 43   | 18458      | 6.972    | ug/l # | 88       |
| 31) Cyclohexane             | 5.471          | 56   | 1409058    | 255.769  | ug/l   | 99       |
| 39) Methylcyclohexane       | 7.379          | 83   | 954338     | 171.500  | ug/l   | 92       |
| 40) Benzene                 | 6.044          | 78   | 90679      | 6.666    | ug/l   | 98       |
| 52) Toluene                 | 8.720          | 92   | 2755640    | 327.214  | ug/l   | 96       |
| 65) Chlorobenzene           | 10.080         | 112  | 2992       | 0.316    | ug/l   | 89       |
| 67) Ethyl Benzene           | 10.195         | 91   | 9673437    | 571.120  | ug/l # | 83       |
| 68) m/p-Xylenes             | 10.305         | 106  | 7686539    | 1181.367 | ug/l   | 75       |
| 69) o-Xylene                | 10.640         | 106  | 2530653    | 387.572  | ug/l   | 95       |
| 73) Isopropylbenzene        | 10.964         | 105  | 1188264    | 66.083   | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305         | 91   | 4897855    | 235.853  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 1571929    | 104.224  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.762         | 105  | 13517100   | 876.936  | ug/l   | 77       |
| 91) 1,2-Dichlorobenzene     | 12.335         | 146  | 5347       | 0.655    | ug/l   | 97       |
| 94) Hexachlorobutadiene     | 13.725         | 225  | 1267       | 0.616    | ug/l   | 93       |
| -----                       |                |      |            |          |        |          |

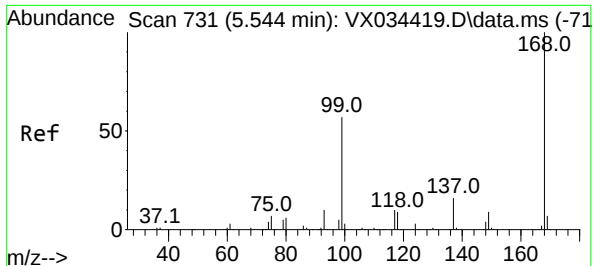
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032823\  
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Instrument :  
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ClientSampleId :  
MW-5B

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
Response via : Initial Calibration

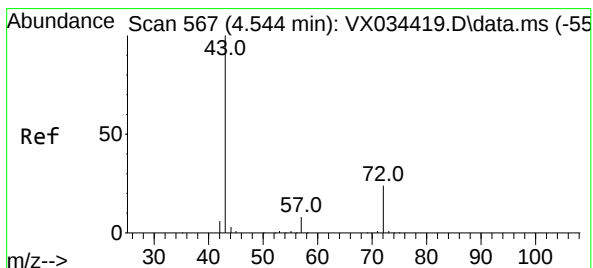
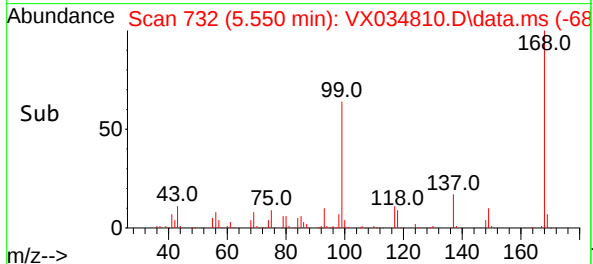
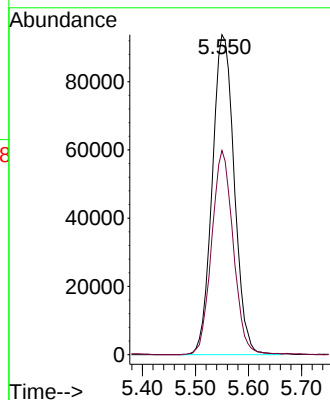
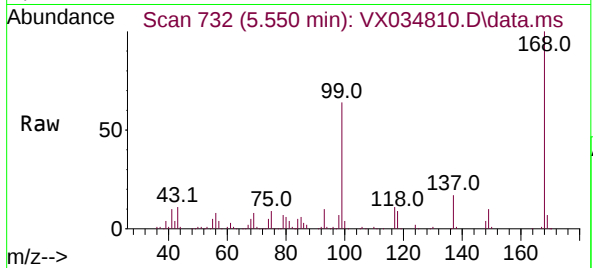




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

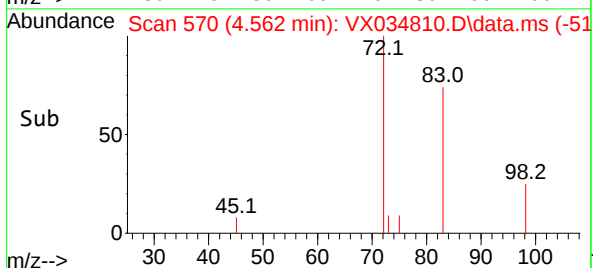
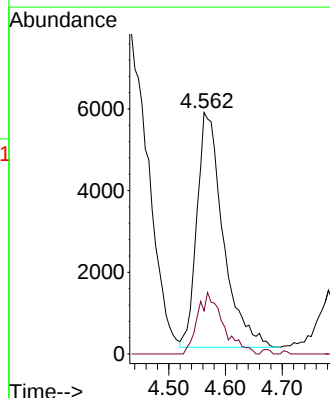
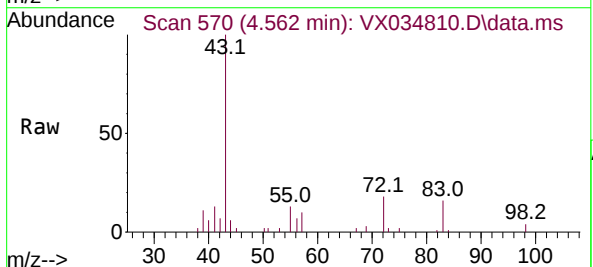
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5B

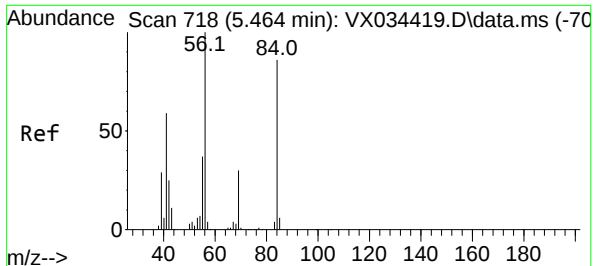
Tgt Ion:168 Resp: 270017  
Ion Ratio Lower Upper  
168 100  
99 63.8 45.7 68.5



#25  
2-Butanone  
Concen: 6.972 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.018 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion: 43 Resp: 18458  
Ion Ratio Lower Upper  
43 100  
72 18.4 19.3 28.9#

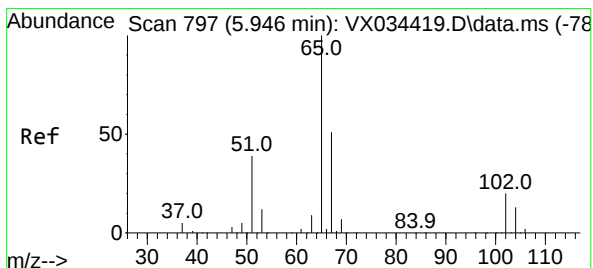
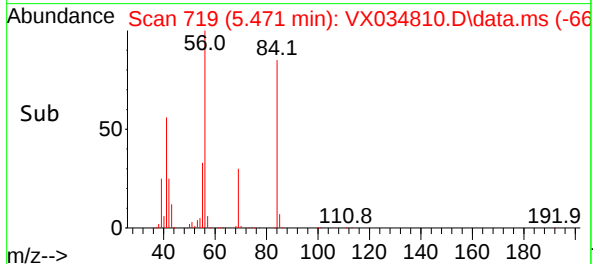
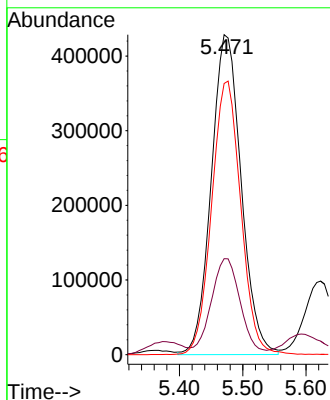
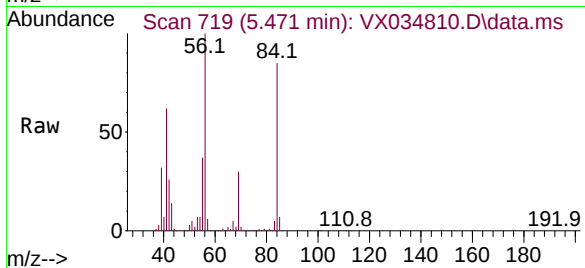




#31  
Cyclohexane  
Concen: 255.769 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

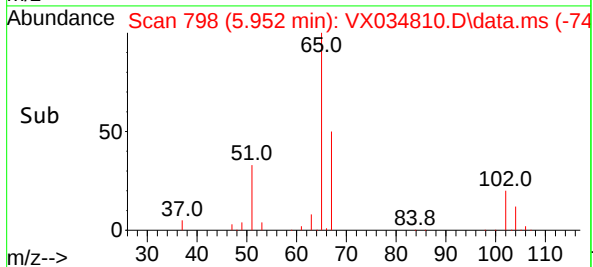
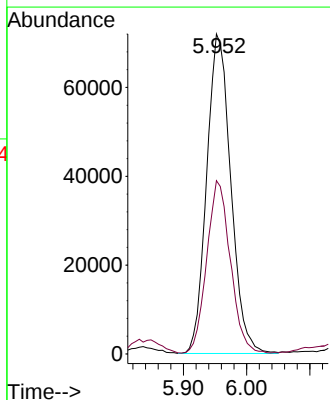
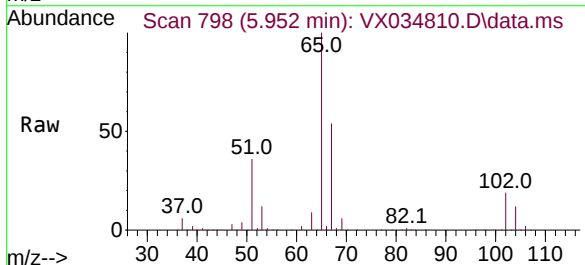
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5B

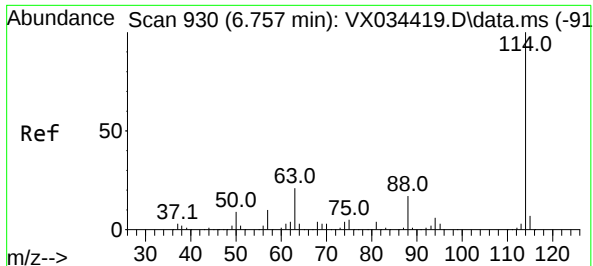
Tgt Ion: 56 Resp: 1409058  
Ion Ratio Lower Upper  
56 100  
69 27.8 23.7 35.5  
84 85.2 68.5 102.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.602 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion: 65 Resp: 190917  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 104.0

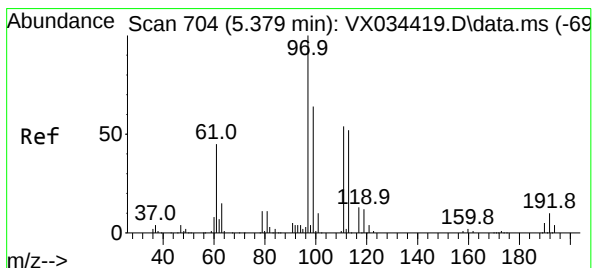
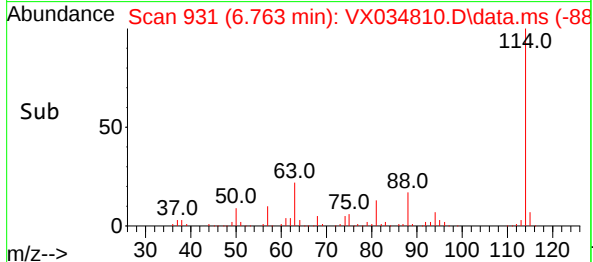
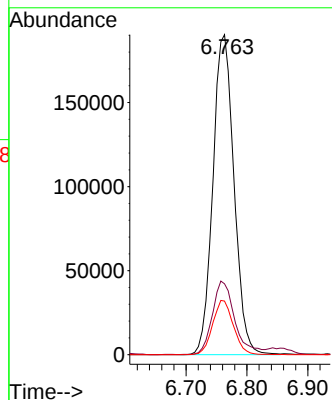
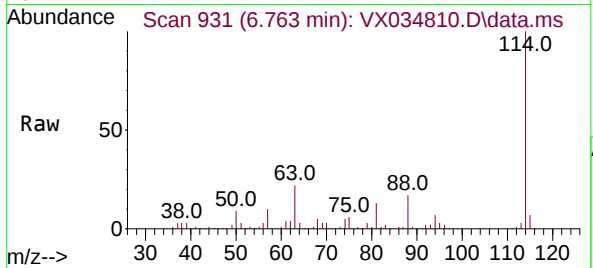




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

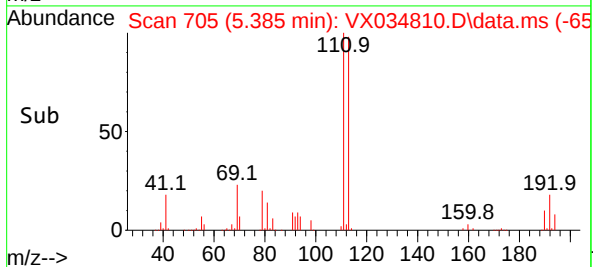
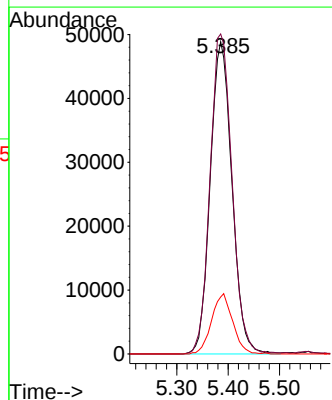
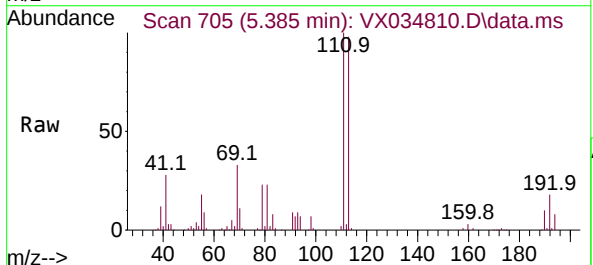
Instrument :  
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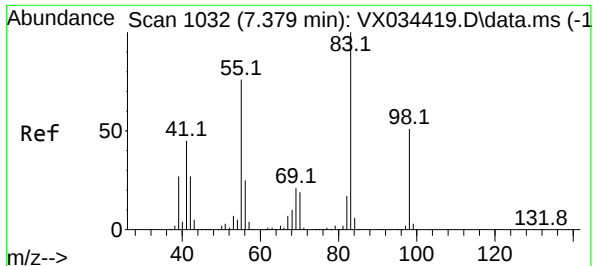
Tgt Ion:114 Resp: 458525  
Ion Ratio Lower Upper  
114 100  
63 22.1 0.0 42.2  
88 16.7 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 47.418 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion:113 Resp: 143553  
Ion Ratio Lower Upper  
113 100  
111 103.7 83.7 125.5  
192 18.7 15.4 23.2





#39

Methylcyclohexane

Concen: 171.500 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX034810.D

Acq: 28 Mar 2023 21:51

Instrument :

MSVOA\_X

ClientSampleId :

MW-5B

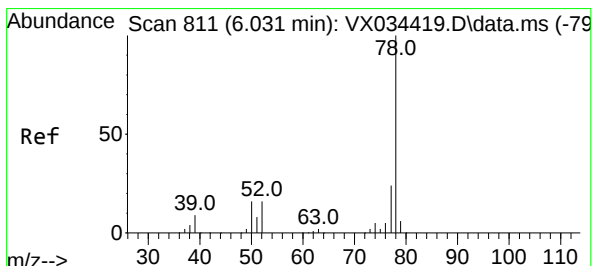
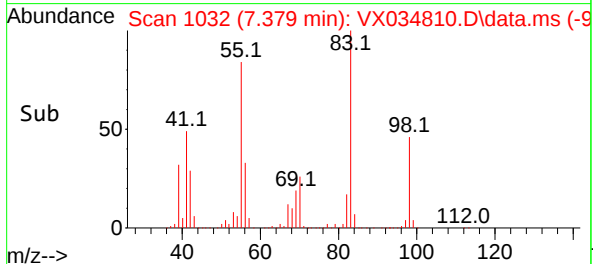
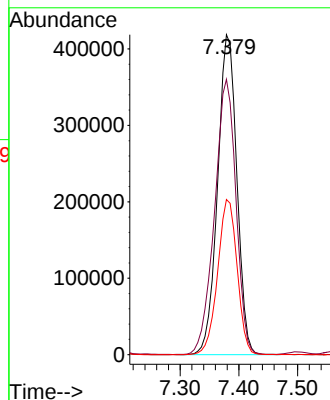
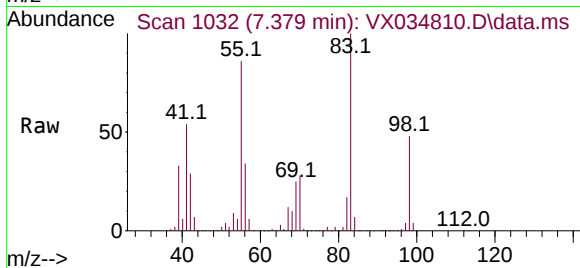
Tgt Ion: 83 Resp: 954338

Ion Ratio Lower Upper

83 100

55 86.0 60.5 90.7

98 48.5 40.4 60.6



#40

Benzene

Concen: 6.666 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.012 min

Lab File: VX034810.D

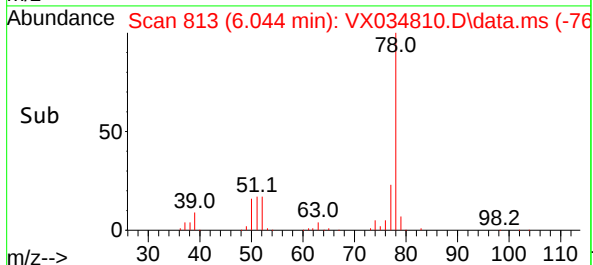
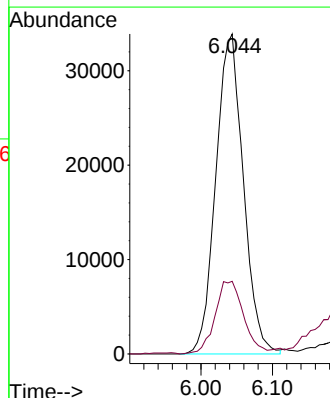
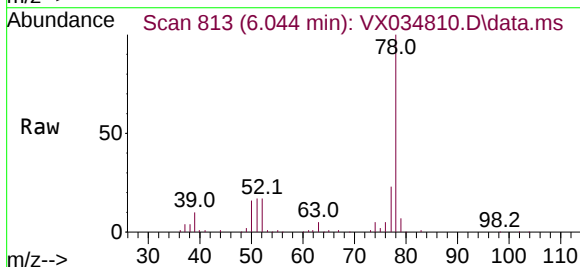
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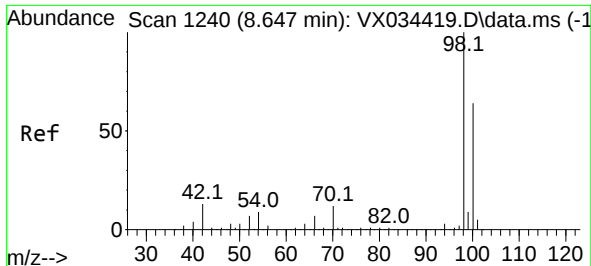
Tgt Ion: 78 Resp: 90679

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.4

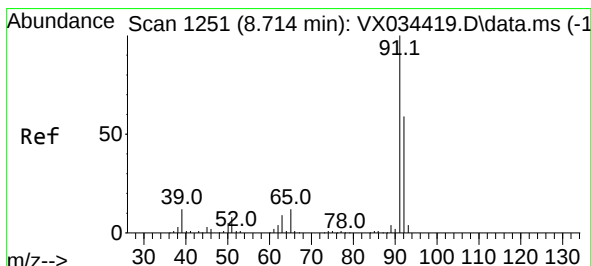
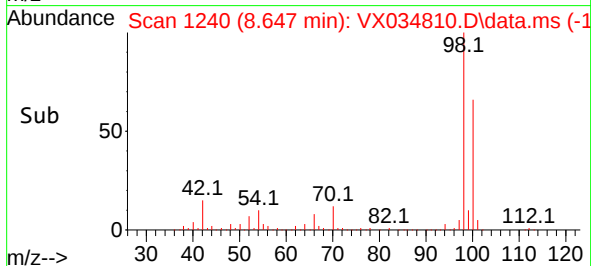
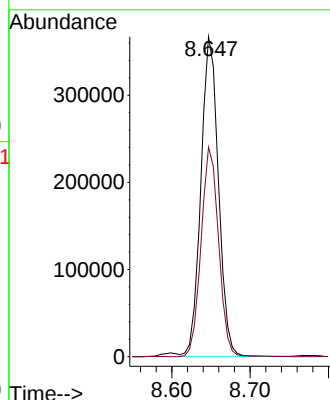
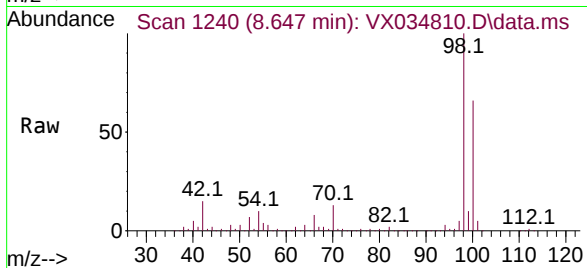




#50  
Toluene-d8  
Concen: 50.411 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

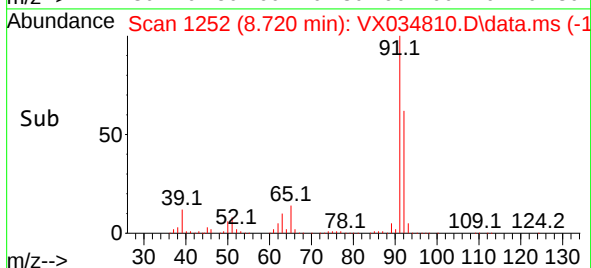
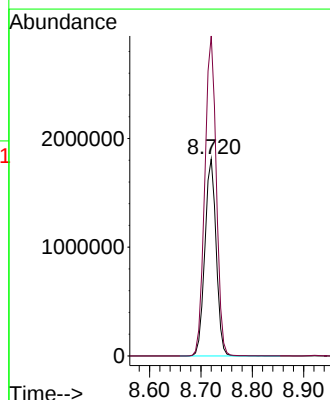
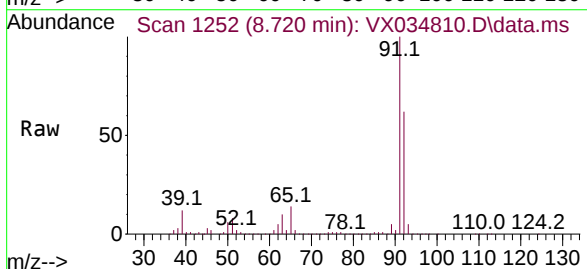
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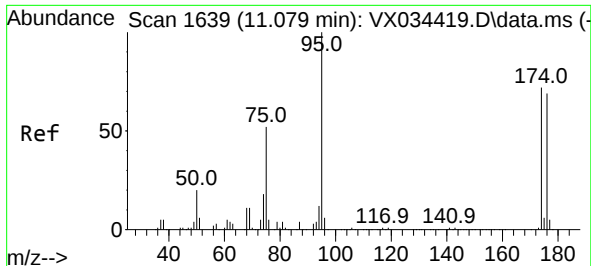
Tgt Ion: 98 Resp: 569718  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.5 78.7



#52  
Toluene  
Concen: 327.214 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion: 92 Resp: 2755640  
Ion Ratio Lower Upper  
92 100  
91 165.3 136.8 205.2

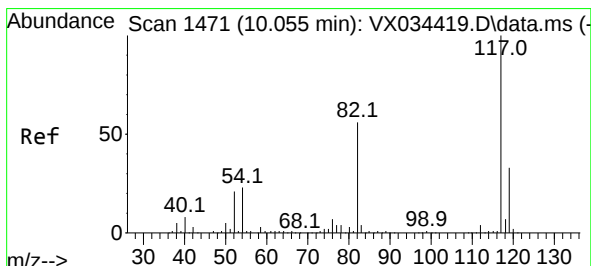
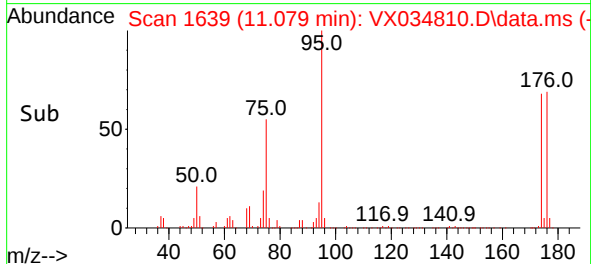
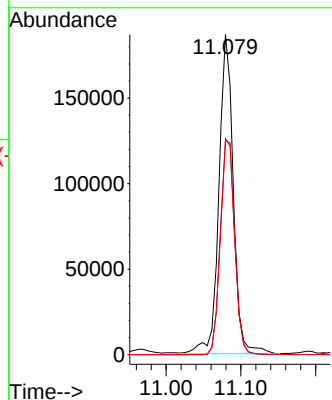
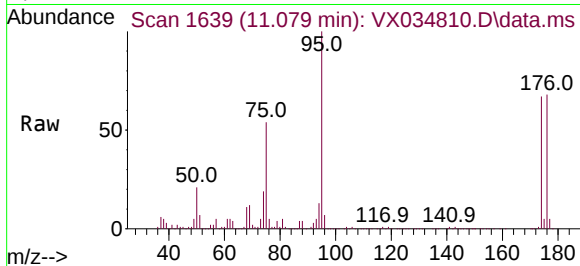




#62  
4-Bromofluorobenzene  
Concen: 54.835 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

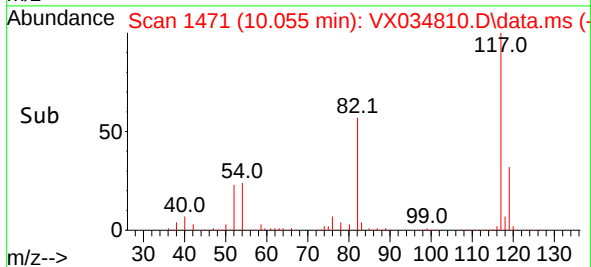
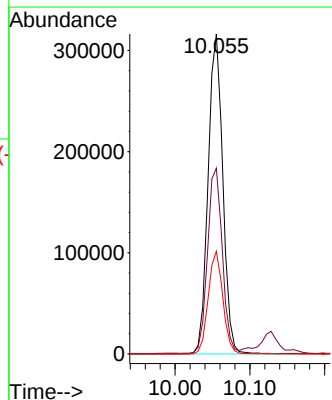
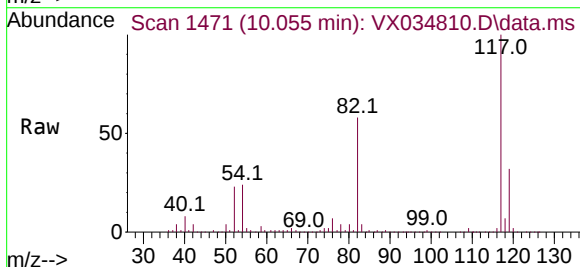
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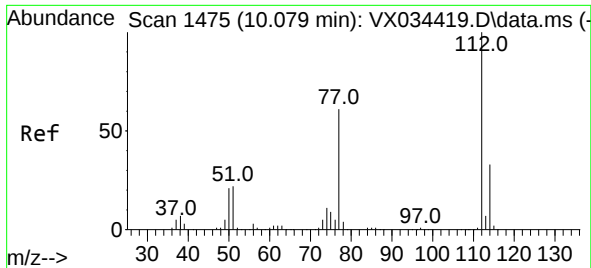
Tgt Ion: 95 Resp: 250317  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 147.4  
176 66.4 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion: 117 Resp: 431214  
Ion Ratio Lower Upper  
117 100  
82 57.9 45.0 67.4  
119 32.1 26.0 39.0

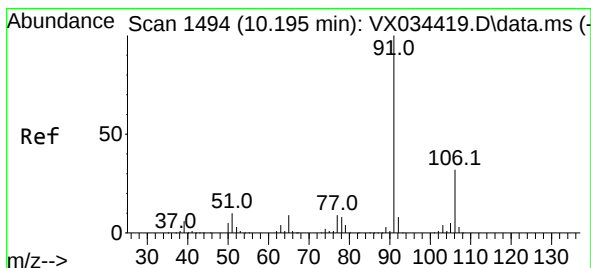
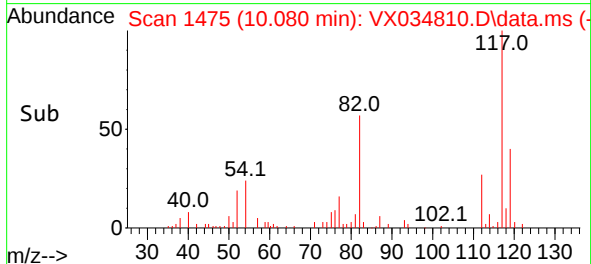
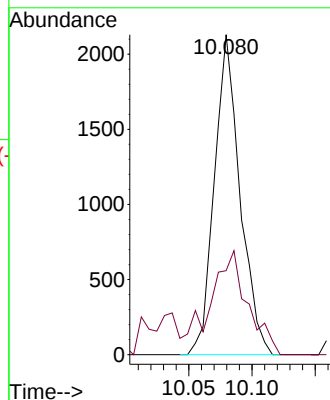
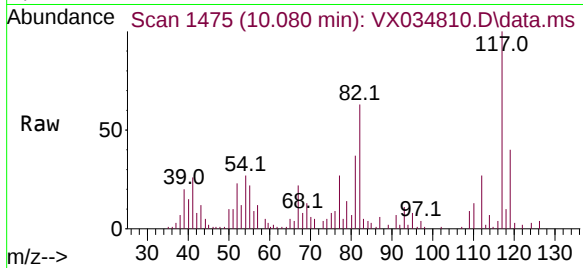




#65  
Chlorobenzene  
Concen: 0.316 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

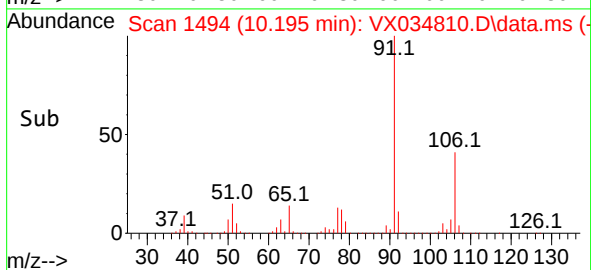
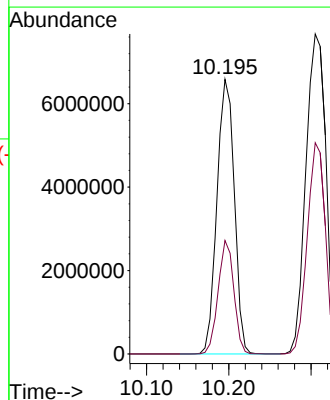
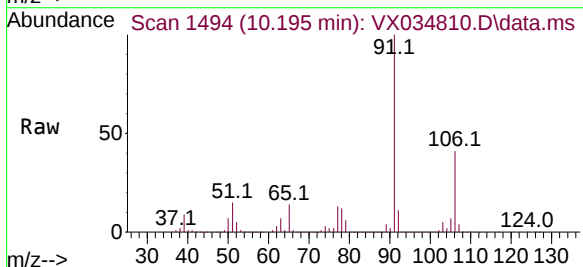
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5B

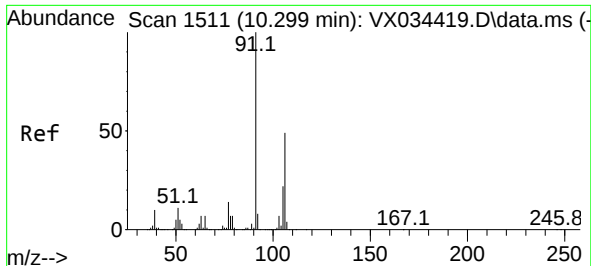
Tgt Ion:112 Resp: 2992  
Ion Ratio Lower Upper  
112 100  
114 26.2 26.2 39.2



#67  
Ethyl Benzene  
Concen: 571.120 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion: 91 Resp: 9673437  
Ion Ratio Lower Upper  
91 100  
106 41.3 25.6 38.4#

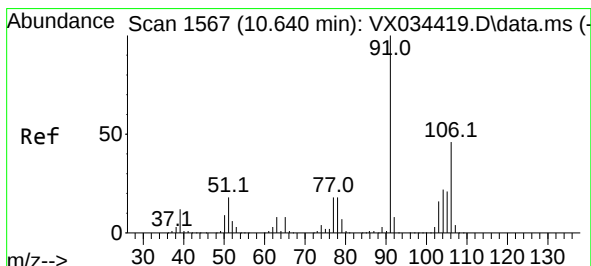
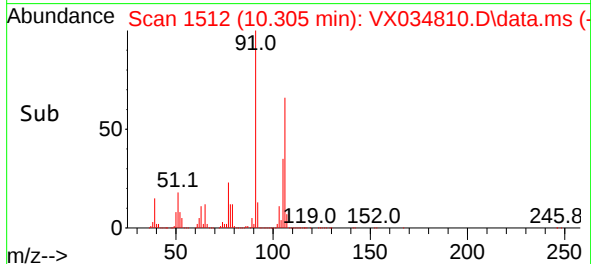
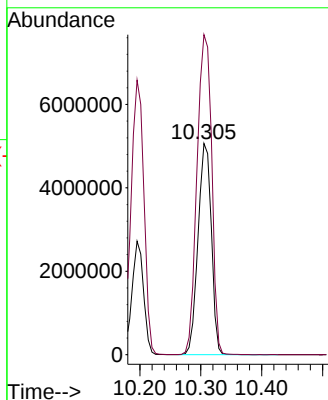
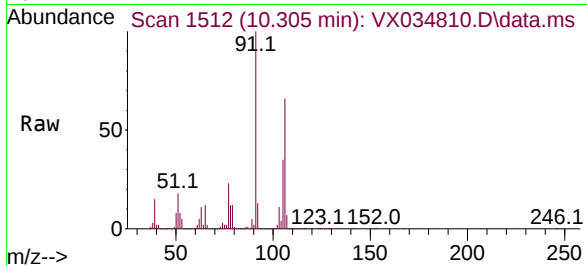




#68  
m/p-Xylenes  
Concen: 1181.367 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

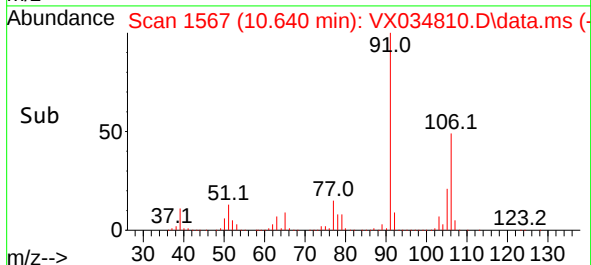
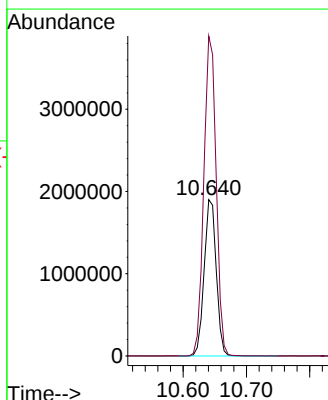
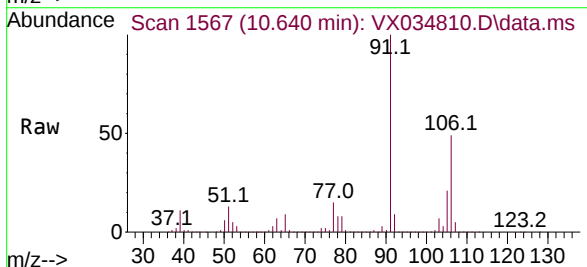
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5B

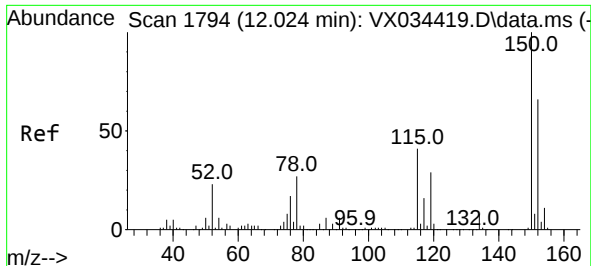
Tgt Ion:106 Resp: 7686539  
Ion Ratio Lower Upper  
106 100  
91 167.3 164.0 246.0



#69  
o-Xylene  
Concen: 387.572 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion:106 Resp: 2530653  
Ion Ratio Lower Upper  
106 100  
91 208.6 108.5 325.3

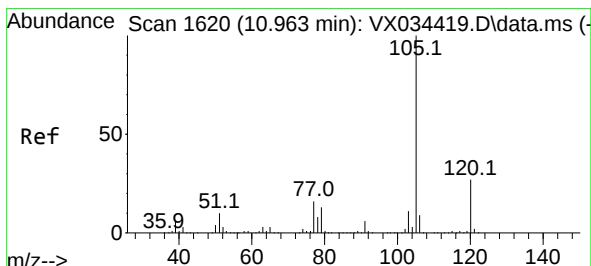
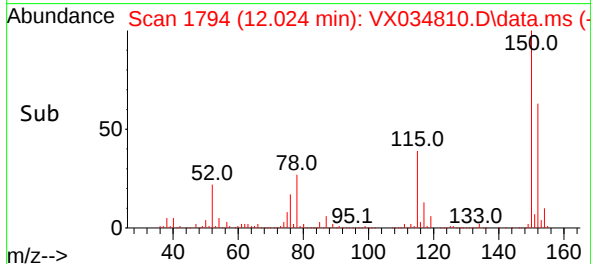
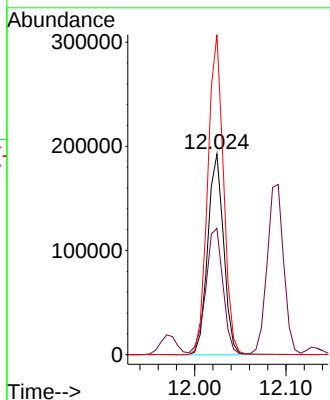
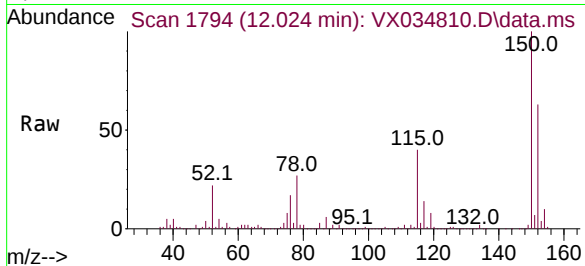




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX034810.D  
 Acq: 28 Mar 2023 21:51

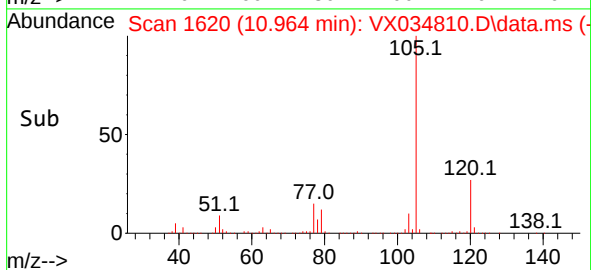
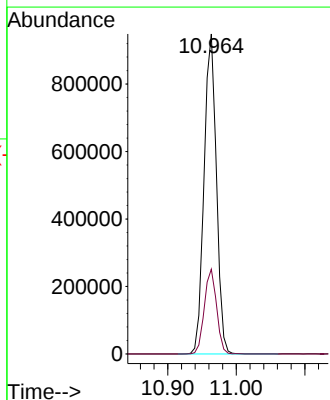
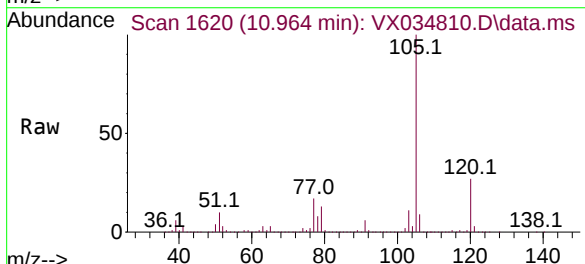
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5B

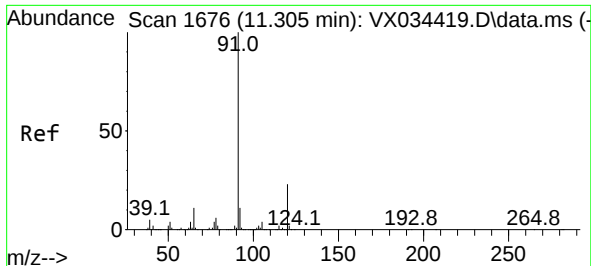
Tgt Ion:152 Resp: 232655  
 Ion Ratio Lower Upper  
 152 100  
 115 67.3 45.0 135.0  
 150 158.4 0.0 352.4



#73  
 Isopropylbenzene  
 Concen: 66.083 ug/l  
 RT: 10.964 min Scan# 1620  
 Delta R.T. 0.000 min  
 Lab File: VX034810.D  
 Acq: 28 Mar 2023 21:51

Tgt Ion:105 Resp: 1188264  
 Ion Ratio Lower Upper  
 105 100  
 120 26.3 13.3 39.9

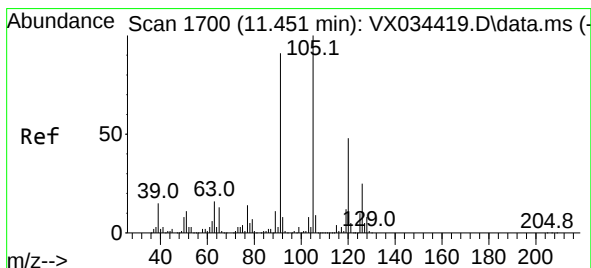
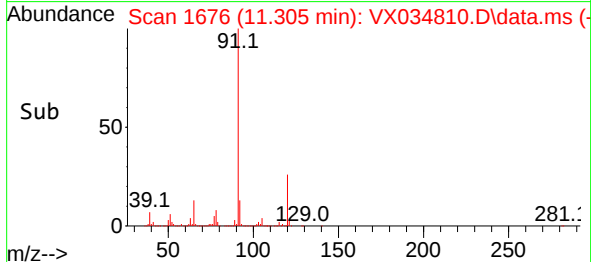
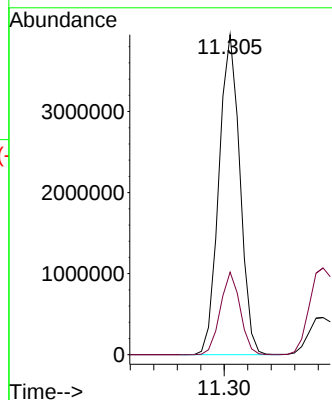
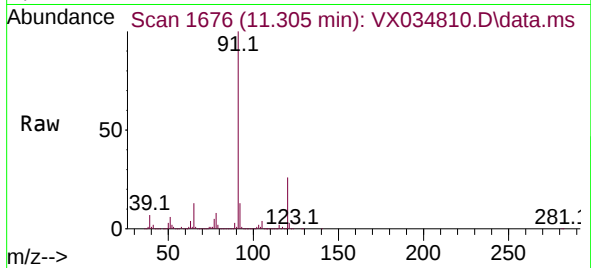




#78  
n-propylbenzene  
Concen: 235.853 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

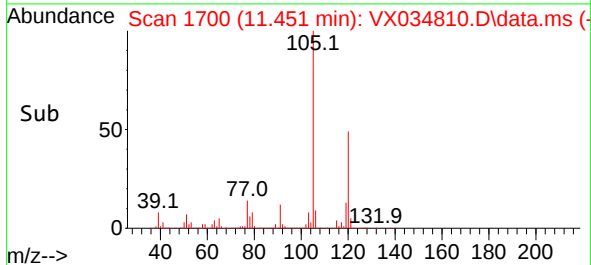
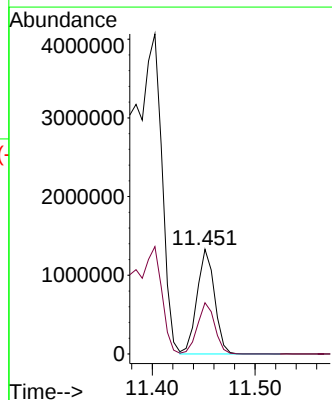
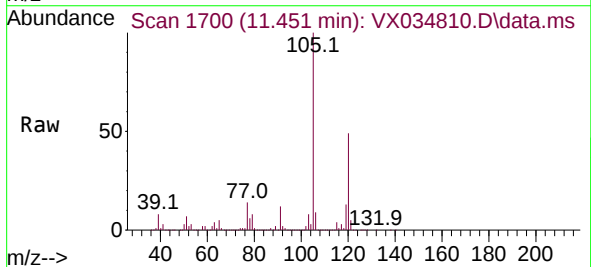
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-5B

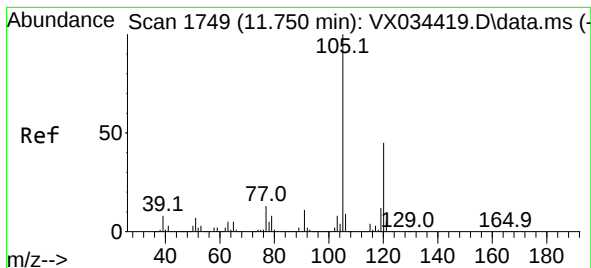
Tgt Ion: 91 Resp: 4897855  
Ion Ratio Lower Upper  
91 100  
120 24.4 11.5 34.5



#80  
1,3,5-Trimethylbenzene  
Concen: 104.224 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX034810.D  
Acq: 28 Mar 2023 21:51

Tgt Ion: 105 Resp: 1571929  
Ion Ratio Lower Upper  
105 100  
120 48.5 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 876.936 ug/l

RT: 11.762 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX034810.D

Acq: 28 Mar 2023 21:51

Instrument :

MSVOA\_X

ClientSampleId :

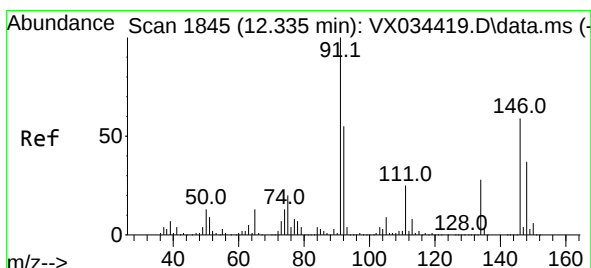
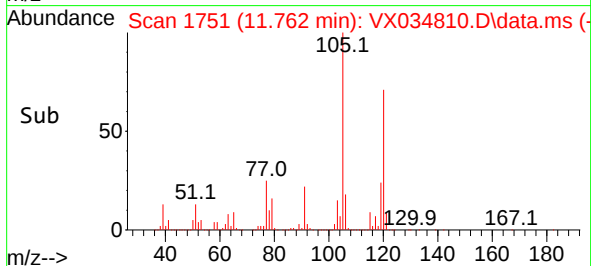
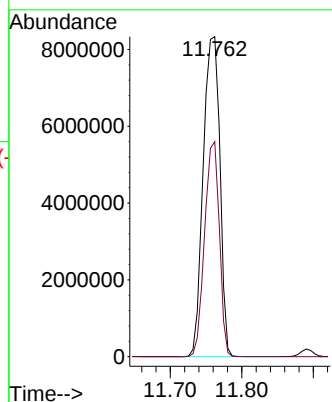
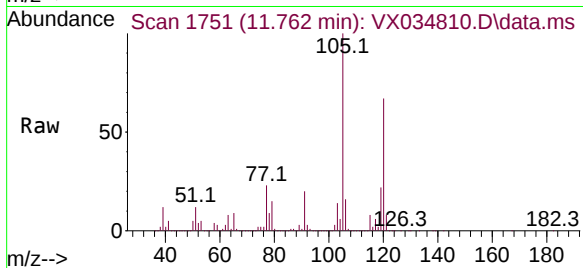
MW-5B

Tgt Ion:105 Resp:13517100

Ion Ratio Lower Upper

105 100

120 59.5 22.4 67.0



#91

1,2-Dichlorobenzene

Concen: 0.655 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX034810.D

Acq: 28 Mar 2023 21:51

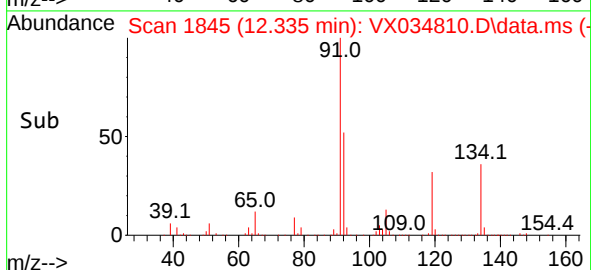
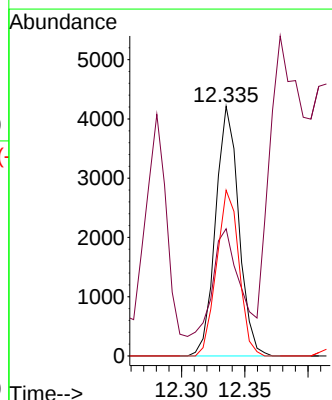
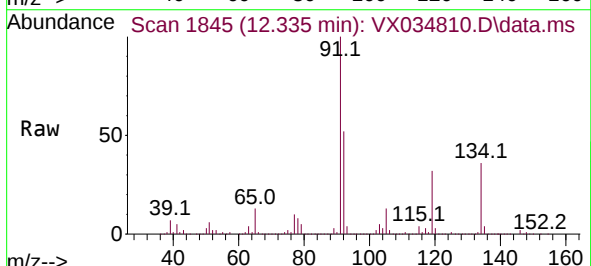
Tgt Ion:146 Resp: 5347

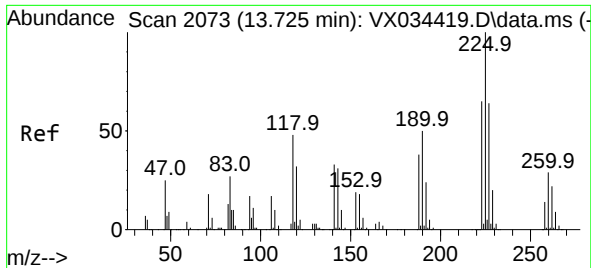
Ion Ratio Lower Upper

146 100

111 48.6 22.0 66.0

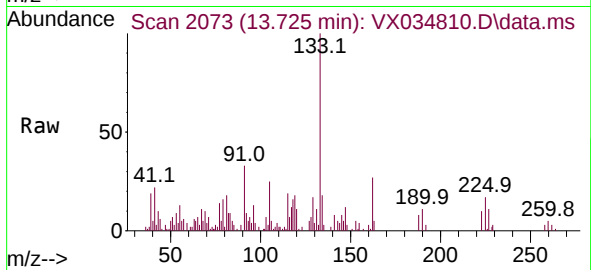
148 64.5 32.0 96.0





#94  
 Hexachlorobutadiene  
 Concen: 0.616 ug/l  
 RT: 13.725 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VX034810.D  
 Acq: 28 Mar 2023 21:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5B



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1267  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 56.9  | 32.1  | 96.5  |
| 227      | 67.2  | 31.8  | 95.4  |

