

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032823\  
 Data File : VX034811.D  
 Acq On : 28 Mar 2023 22:14  
 Operator : JC/MD  
 Sample : 02084-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-6A

Quant Time: Mar 29 04:10:57 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

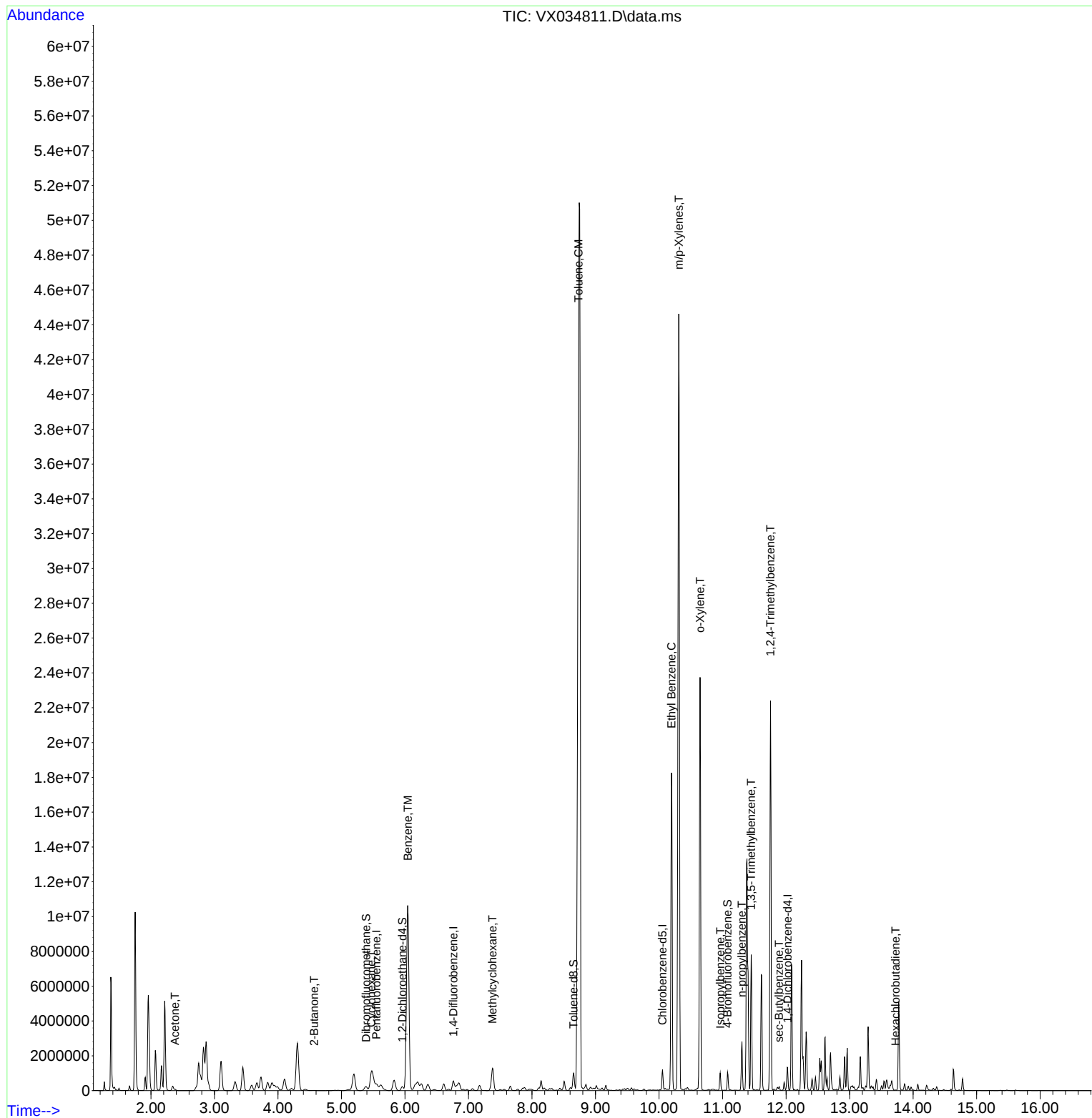
| Compound                    | R.T.   | QIon  | Response  | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|-----------|----------|--------|----------|
| -----                       |        |       |           |          |        |          |
| Internal Standards          |        |       |           |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 308976    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 527402    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 496863    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 265987    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |           |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 225240    | 50.109   | ug/l   | 0.01     |
| Spiked Amount               | 50.000 | Range | 78 - 117  | Recovery | =      | 100.220% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 164490    | 47.238   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124  | Recovery | =      | 94.480%  |
| 50) Toluene-d8              | 8.653  | 98    | 646190    | 49.710   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112  | Recovery | =      | 99.420%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 275379    | 52.447   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123  | Recovery | =      | 104.900% |
| Target Compounds            |        |       |           |          |        |          |
|                             |        |       |           |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 80864     | 38.191   | ug/l   | 96       |
| 25) 2-Butanone              | 4.568  | 43    | 27660     | 9.130    | ug/l   | 91       |
| 31) Cyclohexane             | 5.470  | 56    | 808424    | 128.240  | ug/l   | 99       |
| 39) Methylcyclohexane       | 7.379  | 83    | 540355    | 84.424   | ug/l   | 92       |
| 40) Benzene                 | 6.044  | 78    | 12065347  | 771.146  | ug/l   | 93       |
| 52) Toluene                 | 8.732  | 92    | 26093616m | 2693.793 | ug/l   |          |
| 67) Ethyl Benzene           | 10.195 | 91    | 9751196   | 499.644  | ug/l # | 84       |
| 68) m/p-Xylenes             | 10.311 | 106   | 11749483  | 1567.217 | ug/l # | 62       |
| 69) o-Xylene                | 10.646 | 106   | 5228409   | 694.937  | ug/l   | 81       |
| 73) Isopropylbenzene        | 10.963 | 105   | 494863    | 24.072   | ug/l   | 100      |
| 78) n-propylbenzene         | 11.305 | 91    | 1651097   | 69.544   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 3214716   | 186.436  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 8582954   | 487.050  | ug/l   | 89       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 108578m   | 5.109    | ug/l   |          |
| 94) Hexachlorobutadiene     | 13.725 | 225   | 544       | 0.231    | ug/l   | 93       |
| -----                       |        |       |           |          |        |          |

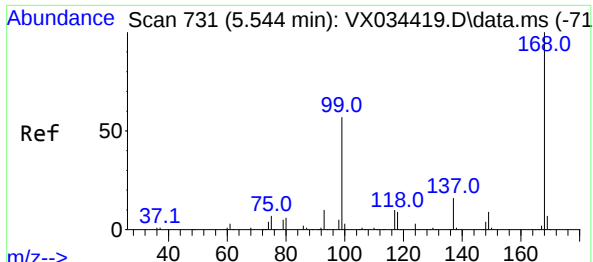
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032823\  
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Instrument :  
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Quant Time: Mar 29 04:10:57 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

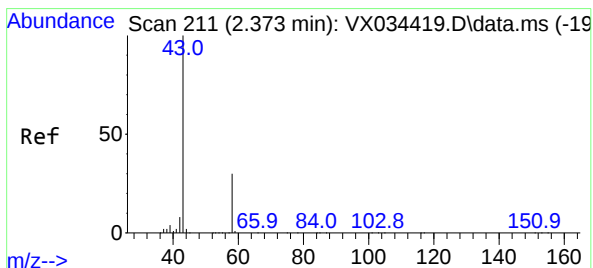
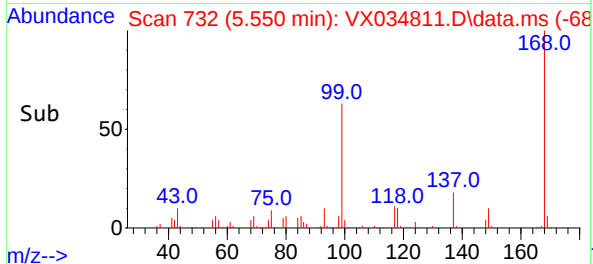
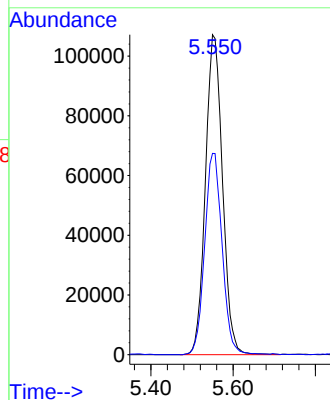
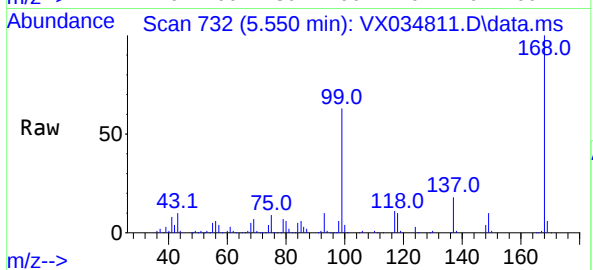




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

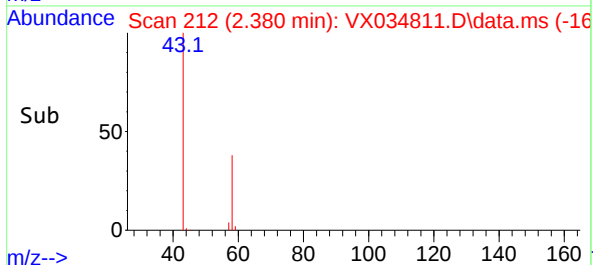
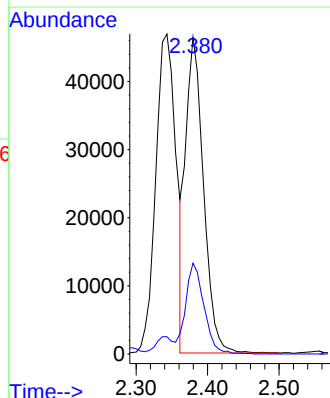
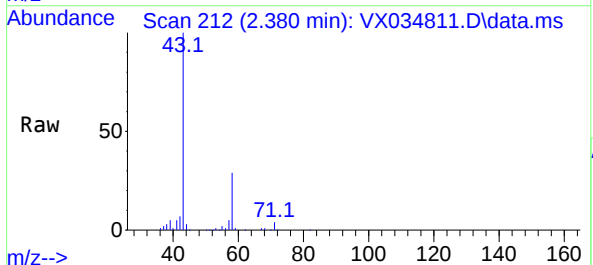
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A

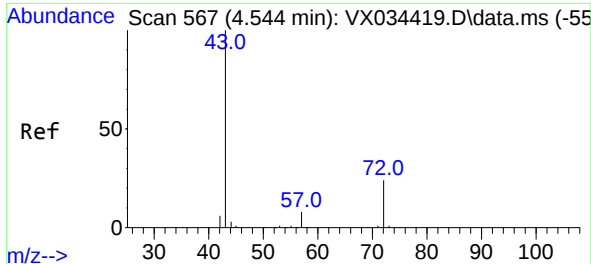
Tgt Ion:168 Resp: 308976  
Ion Ratio Lower Upper  
168 100  
99 62.9 45.7 68.5



#16  
Acetone  
Concen: 38.191 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion: 43 Resp: 80864  
Ion Ratio Lower Upper  
43 100  
58 28.8 24.7 37.1





#25

2-Butanone

Concen: 9.130 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX034811.D

Acq: 28 Mar 2023 22:14

Instrument :

MSVOA\_X

ClientSampleId :

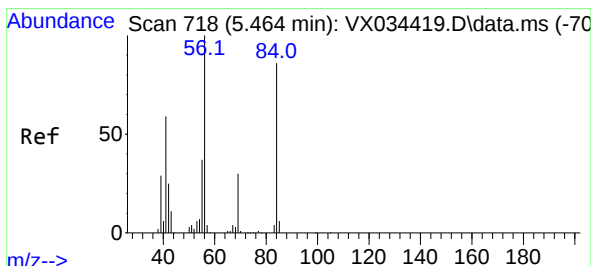
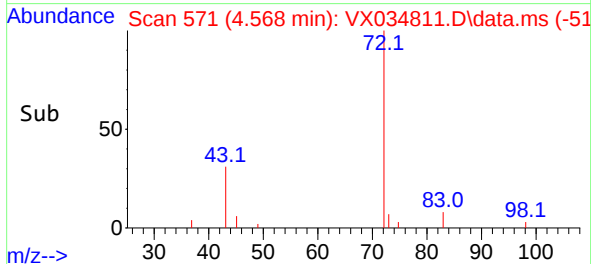
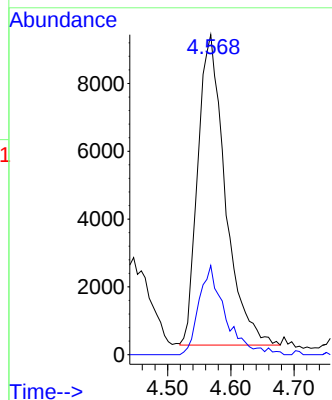
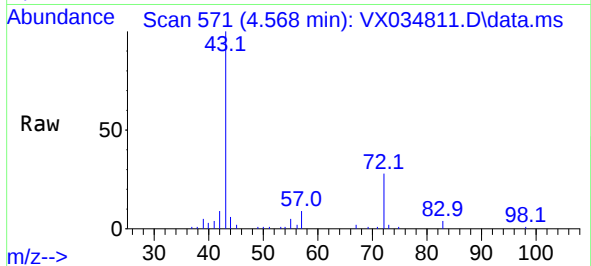
MW-6A

Tgt Ion: 43 Resp: 27660

Ion Ratio Lower Upper

43 100

72 28.7 19.3 28.9



#31

Cyclohexane

Concen: 128.240 ug/l

RT: 5.470 min Scan# 719

Delta R.T. 0.006 min

Lab File: VX034811.D

Acq: 28 Mar 2023 22:14

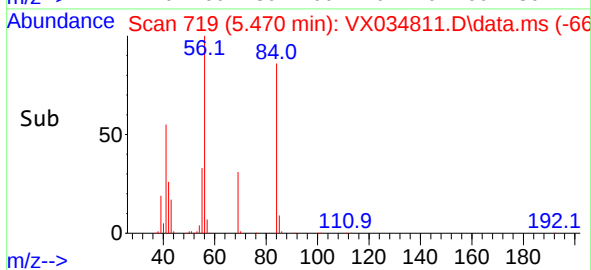
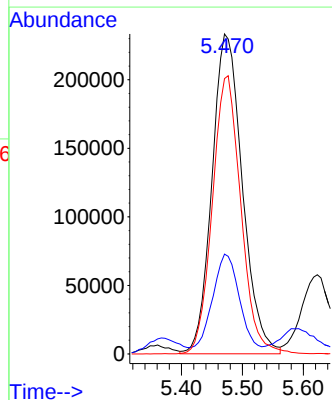
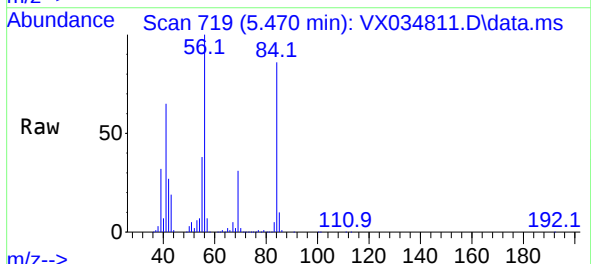
Tgt Ion: 56 Resp: 808424

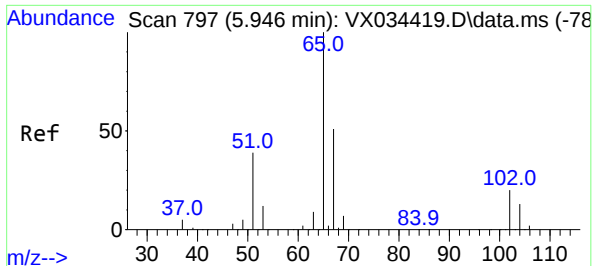
Ion Ratio Lower Upper

56 100

69 28.3 23.7 35.5

84 86.6 68.5 102.7

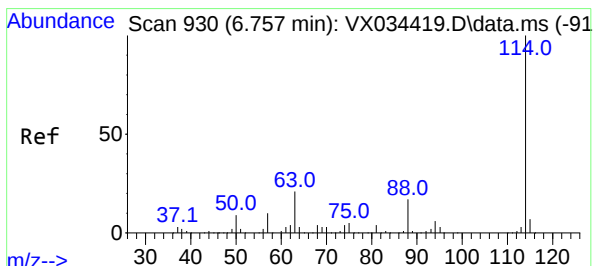
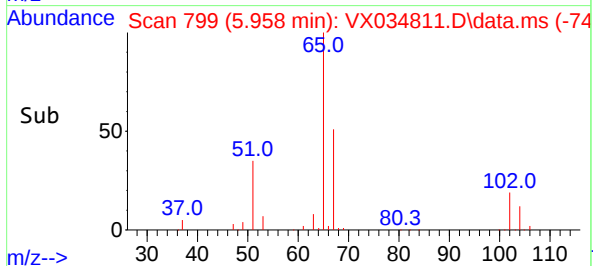
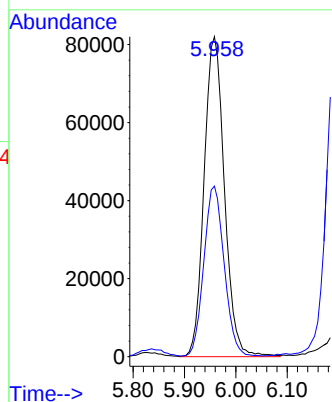
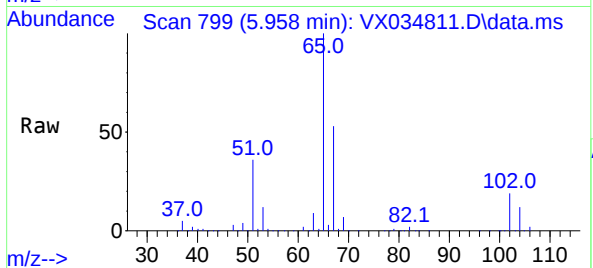




#33  
1,2-Dichloroethane-d4  
Concen: 50.109 ug/l  
RT: 5.958 min Scan# 797  
Delta R.T. 0.012 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

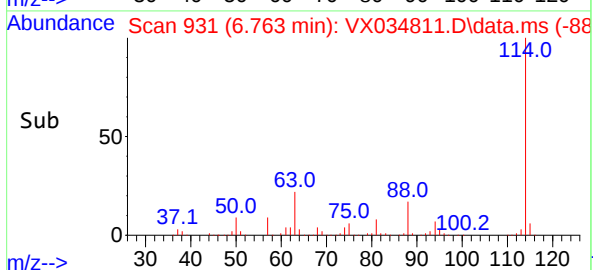
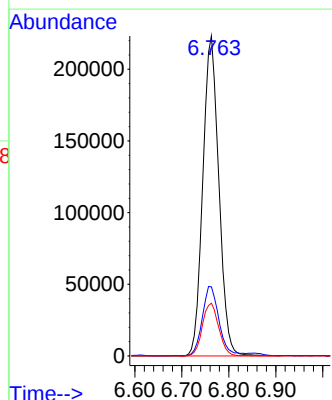
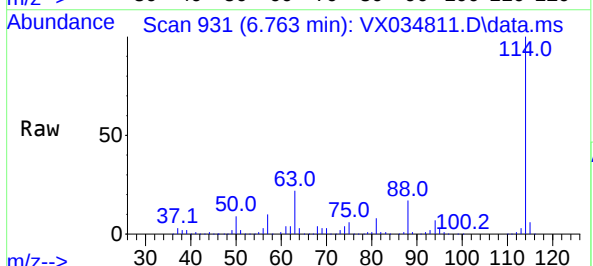
Instrument :  
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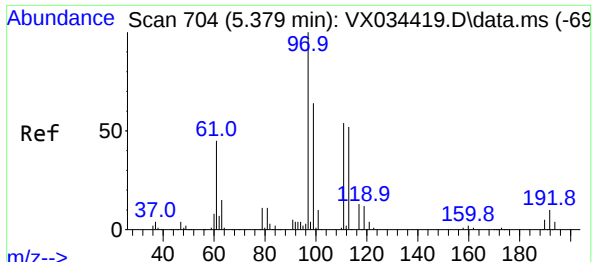
Tgt Ion: 65 Resp: 225240  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion: 114 Resp: 527402  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 42.2  
88 16.5 0.0 33.2

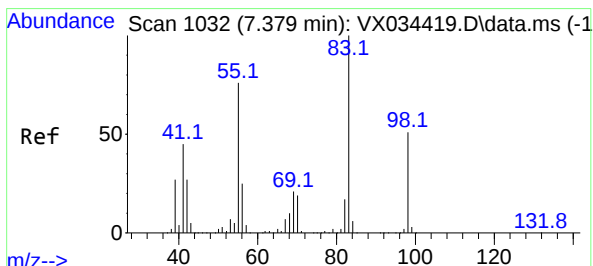
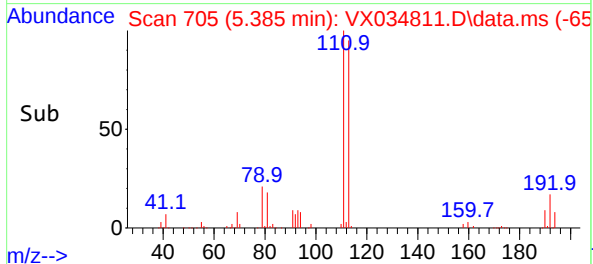
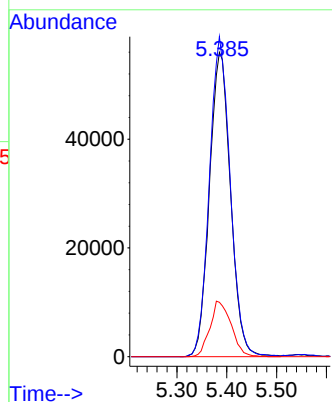
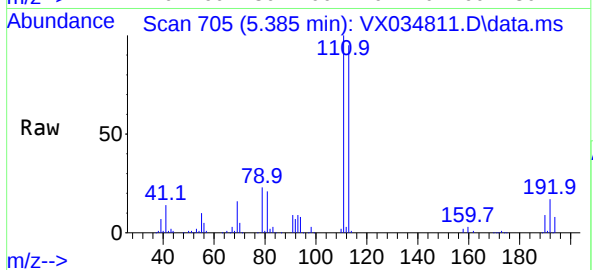




#35  
Dibromofluoromethane  
Concen: 47.238 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

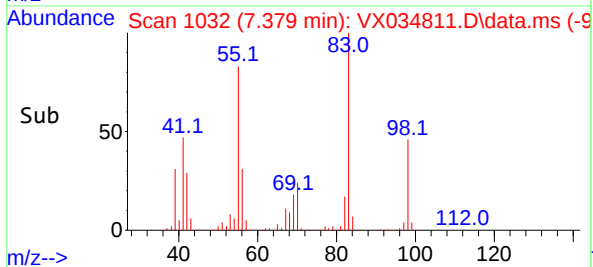
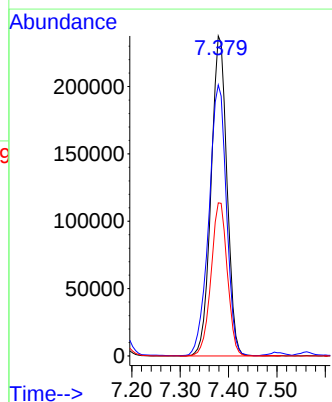
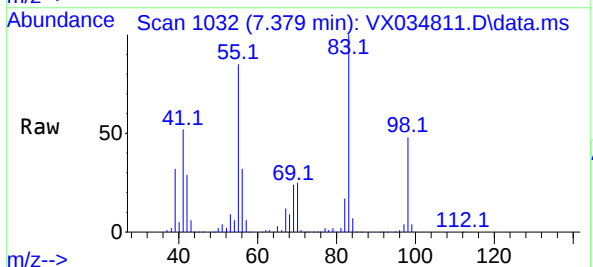
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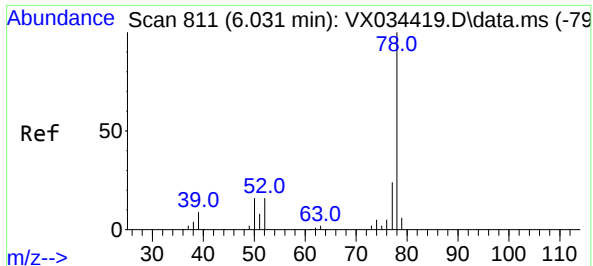
Tgt Ion:113 Resp: 164490  
Ion Ratio Lower Upper  
113 100  
111 103.7 83.7 125.5  
192 18.4 15.4 23.2



#39  
Methylcyclohexane  
Concen: 84.424 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion: 83 Resp: 540355  
Ion Ratio Lower Upper  
83 100  
55 84.6 60.5 90.7  
98 47.9 40.4 60.6

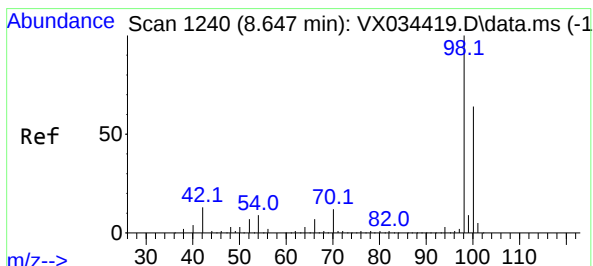
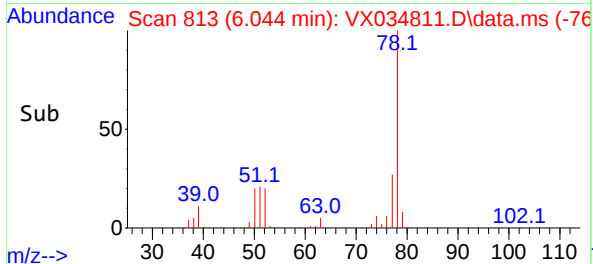
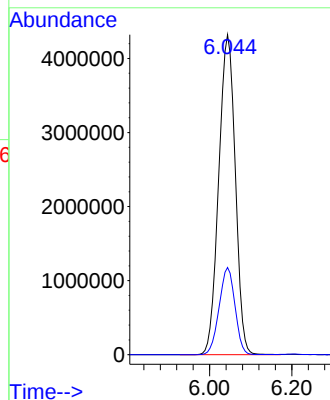
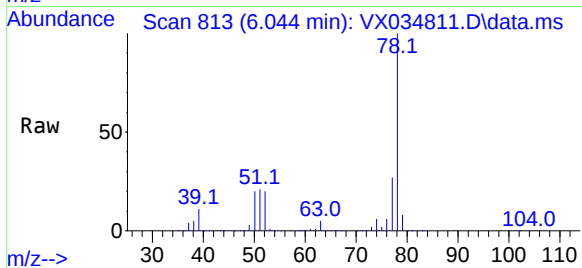




#40  
Benzene  
Concen: 771.146 ug/l  
RT: 6.044 min Scan# 811  
Delta R.T. 0.012 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

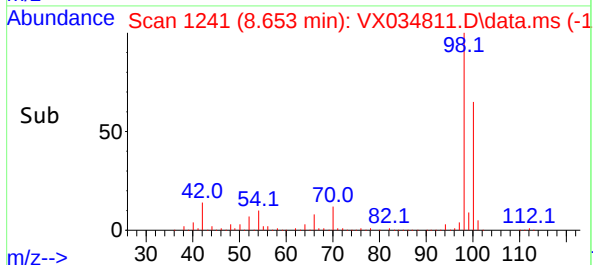
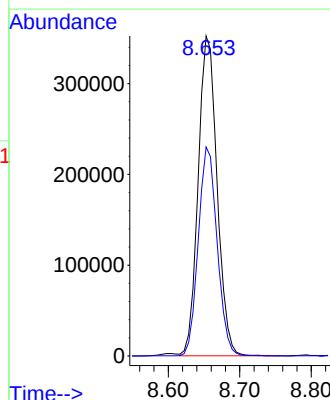
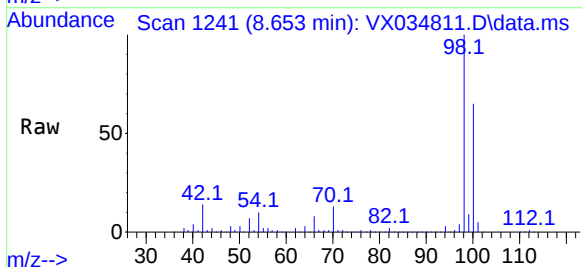
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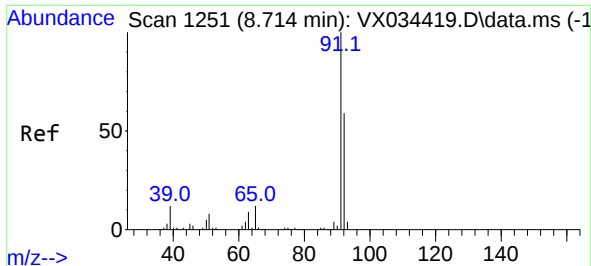
Tgt Ion: 78 Resp:12065347  
Ion Ratio Lower Upper  
78 100  
77 27.2 19.0 28.4



#50  
Toluene-d8  
Concen: 49.710 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion: 98 Resp: 646190  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.5 78.7

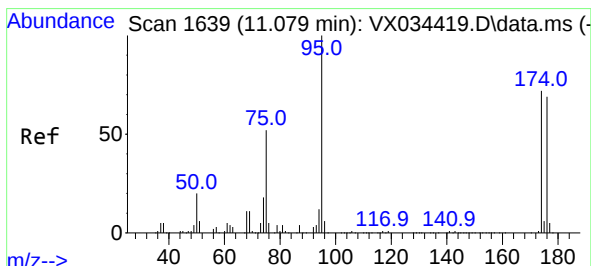
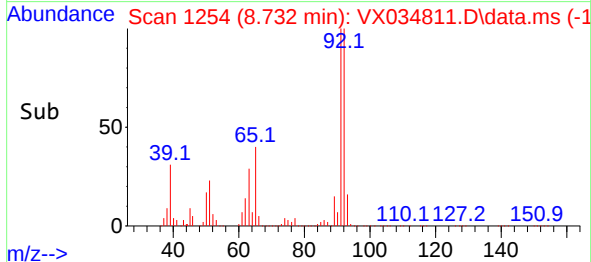
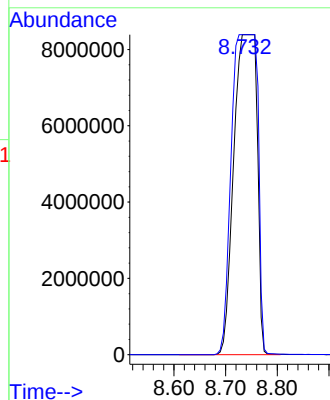
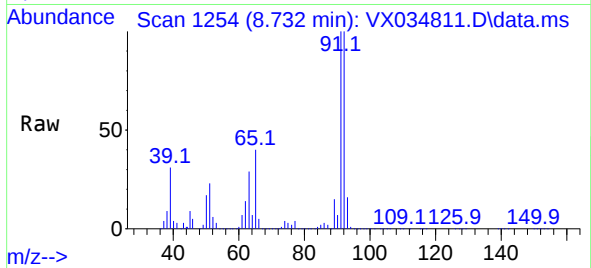




#52  
Toluene  
Concen: 2693.793 ug/l m  
RT: 8.732 min Scan# 1254  
Delta R.T. 0.018 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

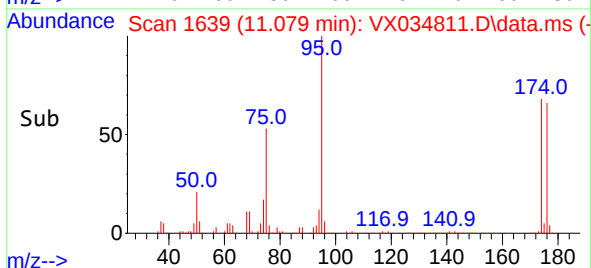
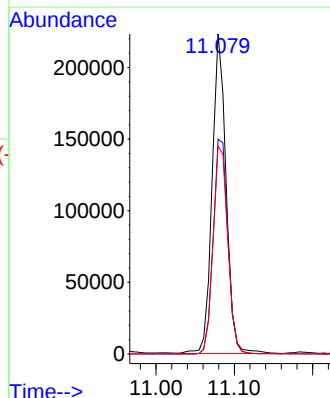
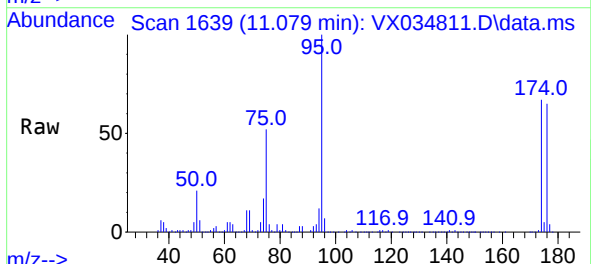
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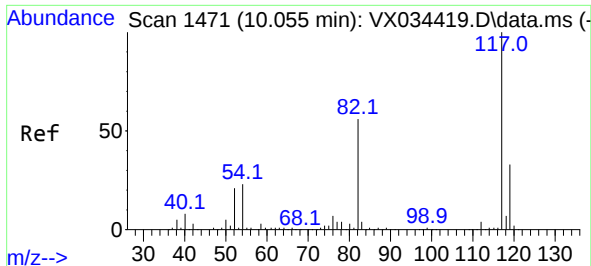
Tgt Ion: 92 Resp:26093616  
Ion Ratio Lower Upper  
92 100  
91 0.0 136.8 205.2#



#62  
4-Bromofluorobenzene  
Concen: 52.447 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion: 95 Resp: 275379  
Ion Ratio Lower Upper  
95 100  
174 70.5 0.0 147.4  
176 68.2 0.0 140.6

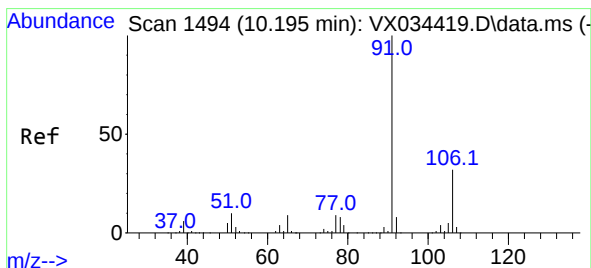
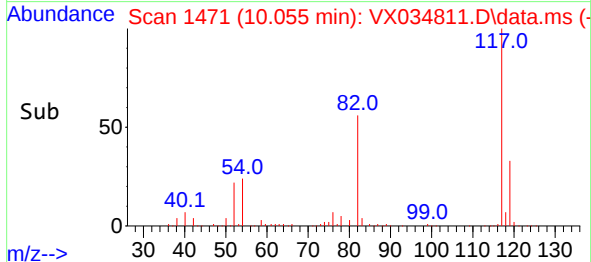
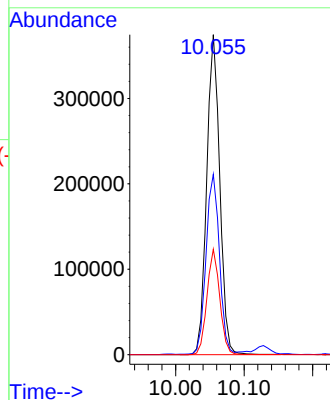
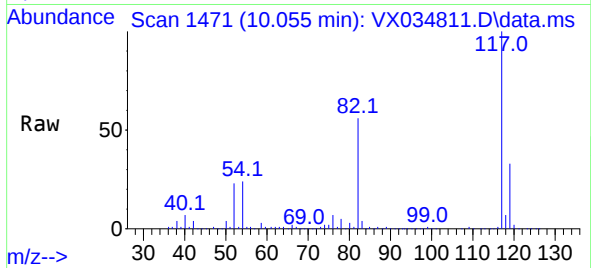




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

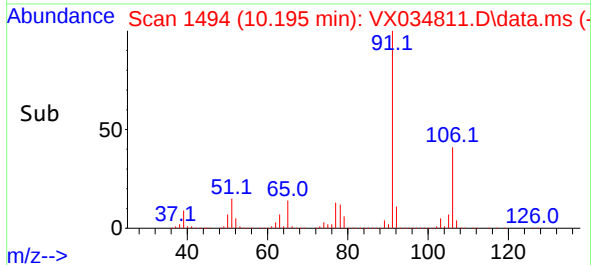
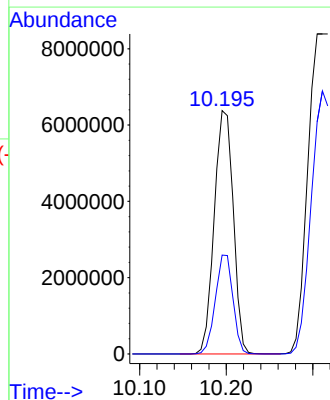
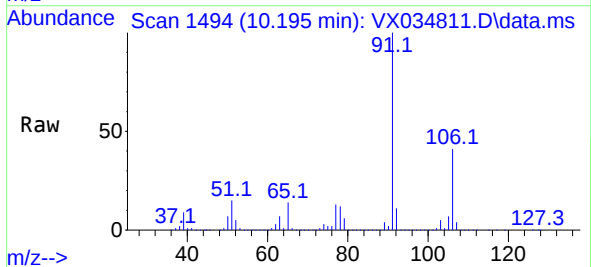
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A

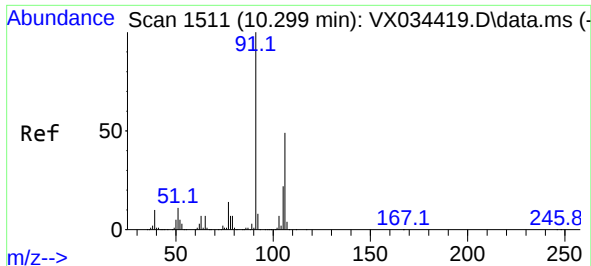
Tgt Ion:117 Resp: 496863  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.0 67.4  
119 33.0 26.0 39.0



#67  
Ethyl Benzene  
Concen: 499.644 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion: 91 Resp: 9751196  
Ion Ratio Lower Upper  
91 100  
106 40.7 25.6 38.4#

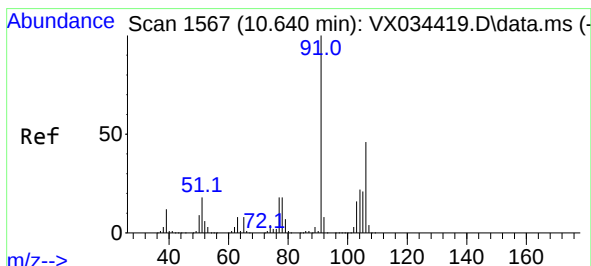
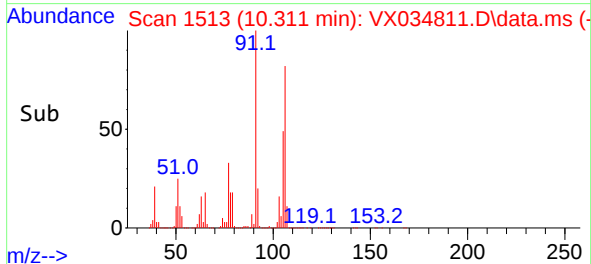
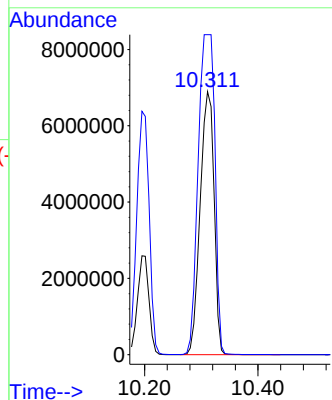
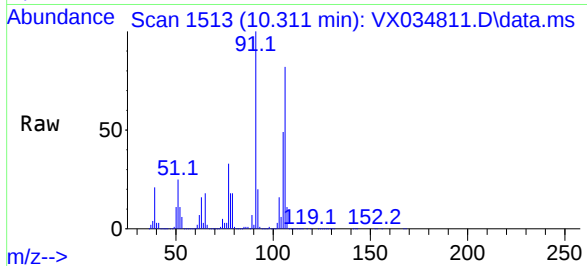




#68  
m/p-Xylenes  
Concen: 1567.217 ug/l  
RT: 10.311 min Scan# 1512  
Delta R.T. 0.012 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

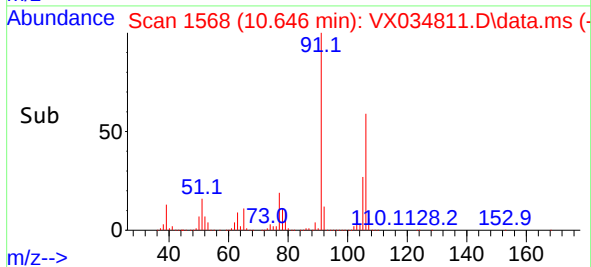
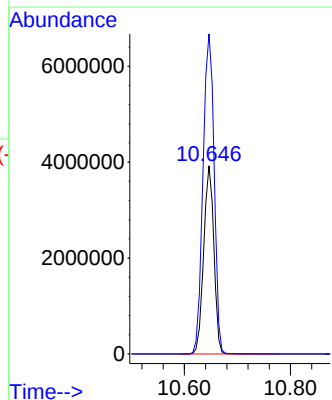
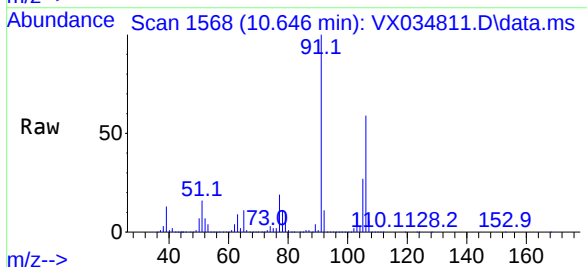
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A

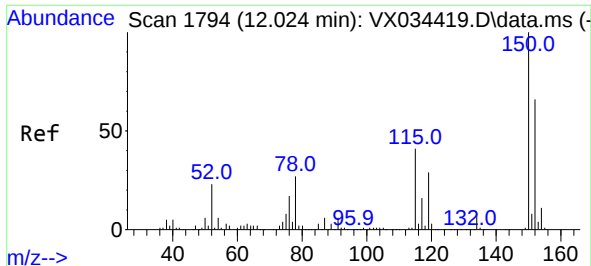
Tgt Ion:106 Resp:11749483  
Ion Ratio Lower Upper  
106 100  
91 146.6 164.0 246.0#



#69  
o-Xylene  
Concen: 694.937 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion:106 Resp: 5228409  
Ion Ratio Lower Upper  
106 100  
91 186.0 108.5 325.3

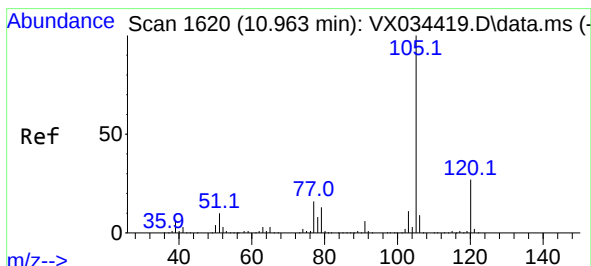
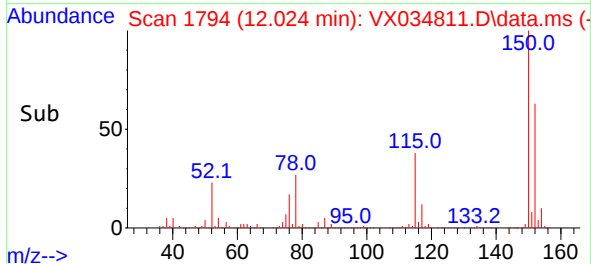
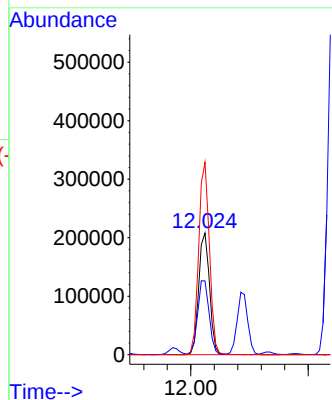
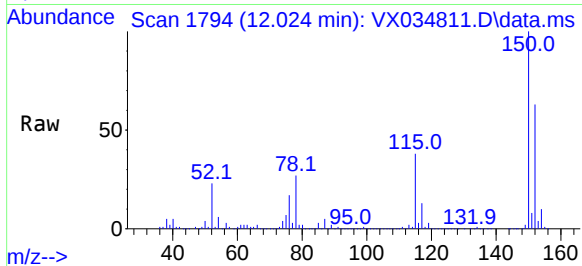




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

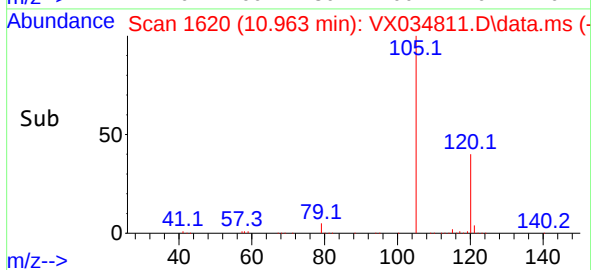
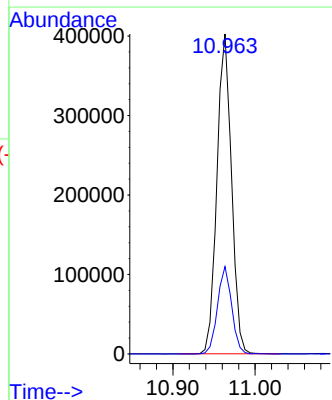
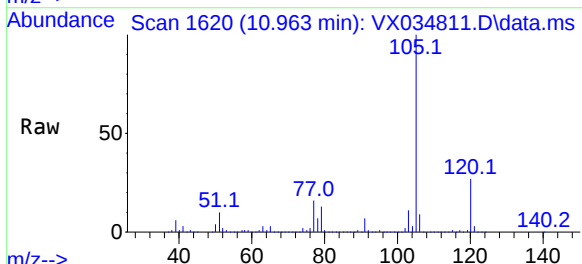
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A

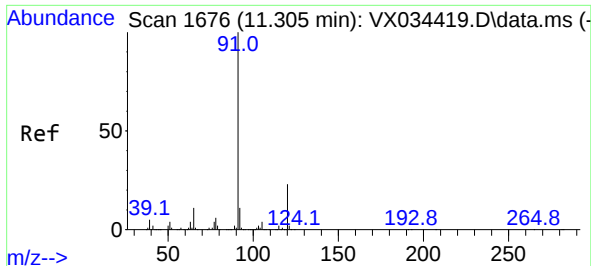
Tgt Ion:152 Resp: 265987  
Ion Ratio Lower Upper  
152 100  
115 63.0 45.0 135.0  
150 156.3 0.0 352.4



#73  
Isopropylbenzene  
Concen: 24.072 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion:105 Resp: 494863  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.3 39.9

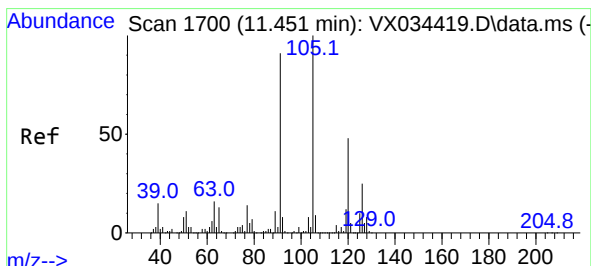
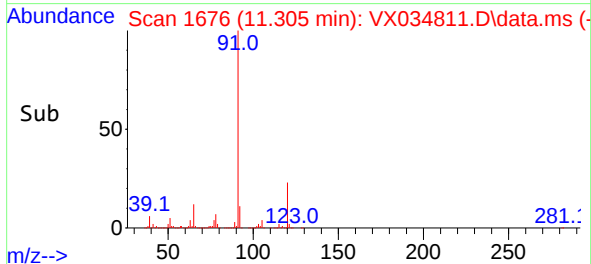
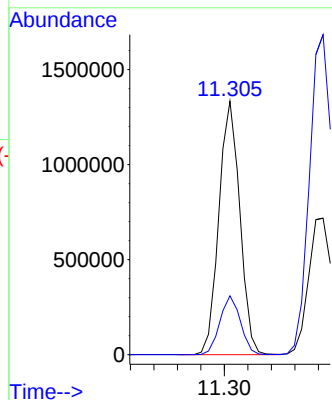
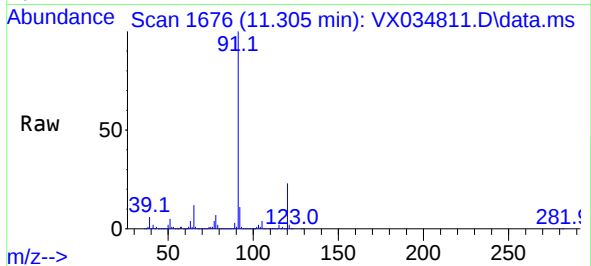




#78  
n-propylbenzene  
Concen: 69.544 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

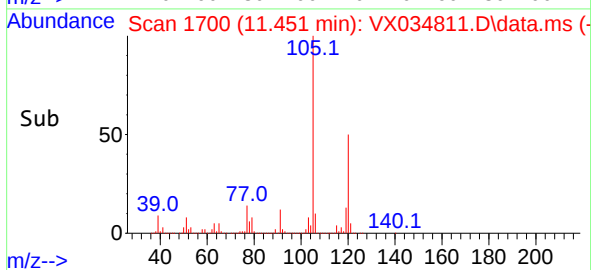
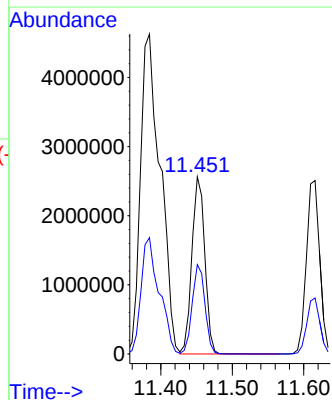
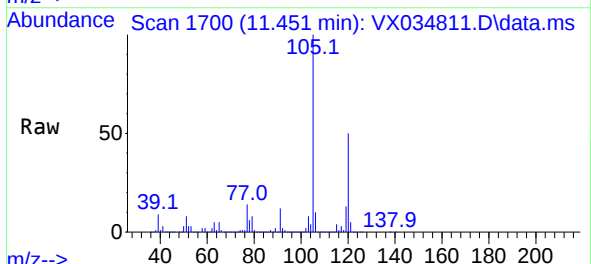
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A

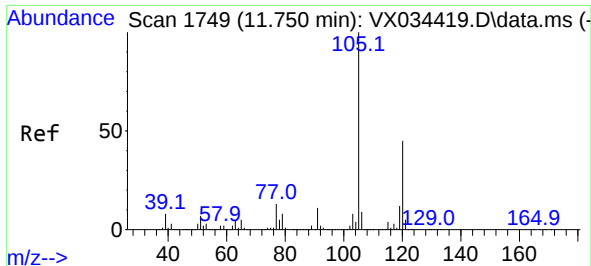
Tgt Ion: 91 Resp: 1651097  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.5 34.5



#80  
1,3,5-Trimethylbenzene  
Concen: 186.436 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Tgt Ion:105 Resp: 3214716  
Ion Ratio Lower Upper  
105 100  
120 49.6 23.7 71.1

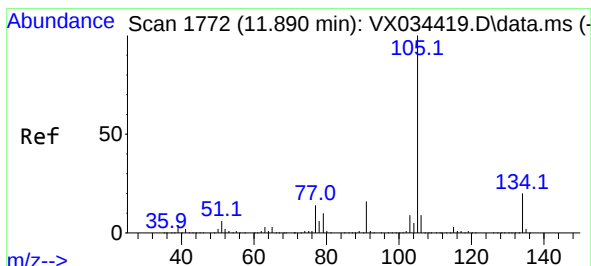
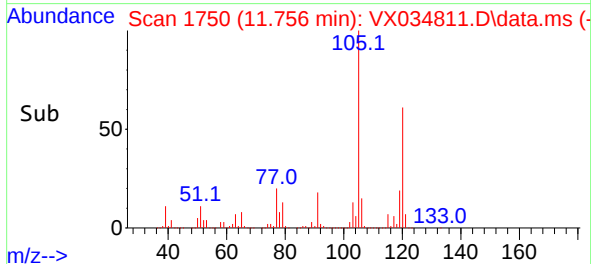
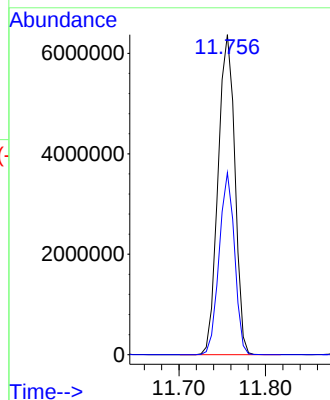
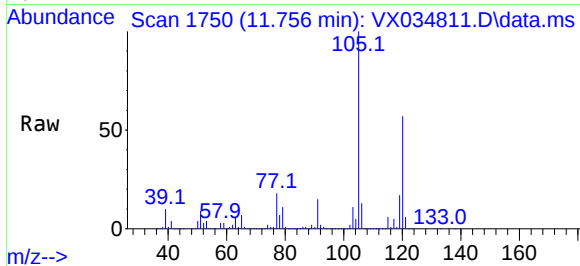




#84  
1,2,4-Trimethylbenzene  
Concen: 487.050 ug/l  
RT: 11.756 min Scan# 11750  
Delta R.T. 0.006 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

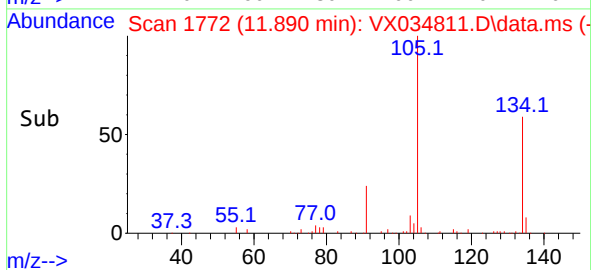
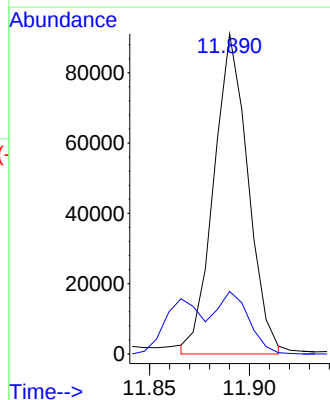
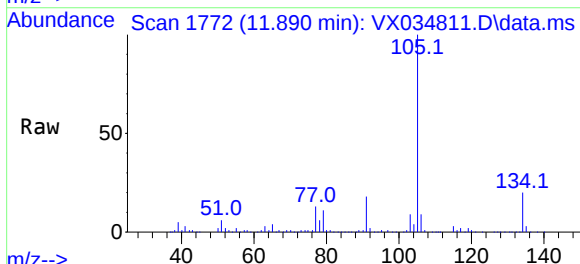
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A

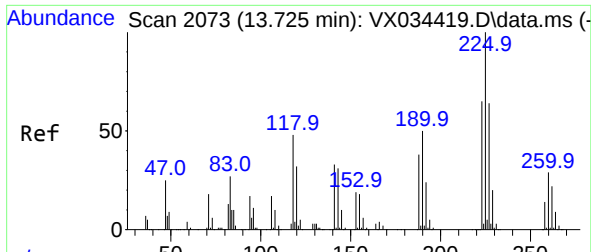
Tgt Ion:105 Resp: 8582954  
Ion Ratio Lower Upper  
105 100  
120 52.1 22.4 67.0



#85  
sec-Butylbenzene  
Concen: 5.109 ug/l m  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

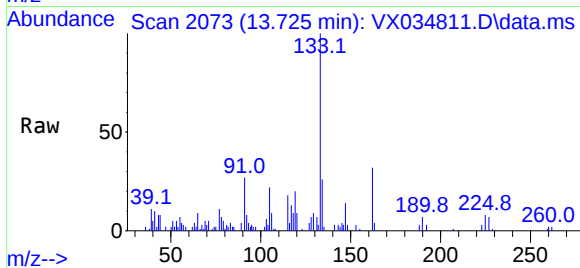
Tgt Ion:105 Resp: 108578  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.2 30.4#





#94  
Hexachlorobutadiene  
Concen: 0.231 ug/l  
RT: 13.725 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VX034811.D  
Acq: 28 Mar 2023 22:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6A



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 544   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 66.4  | 32.1  | 96.5  |
| 227      | 73.0  | 31.8  | 95.4  |

