

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062023\  
 Data File : VX036253.D  
 Acq On : 20 Jun 2023 19:12  
 Operator : JC/MD  
 Sample : 03339-02DL 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-08DL

Quant Time: Jun 21 02:54:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

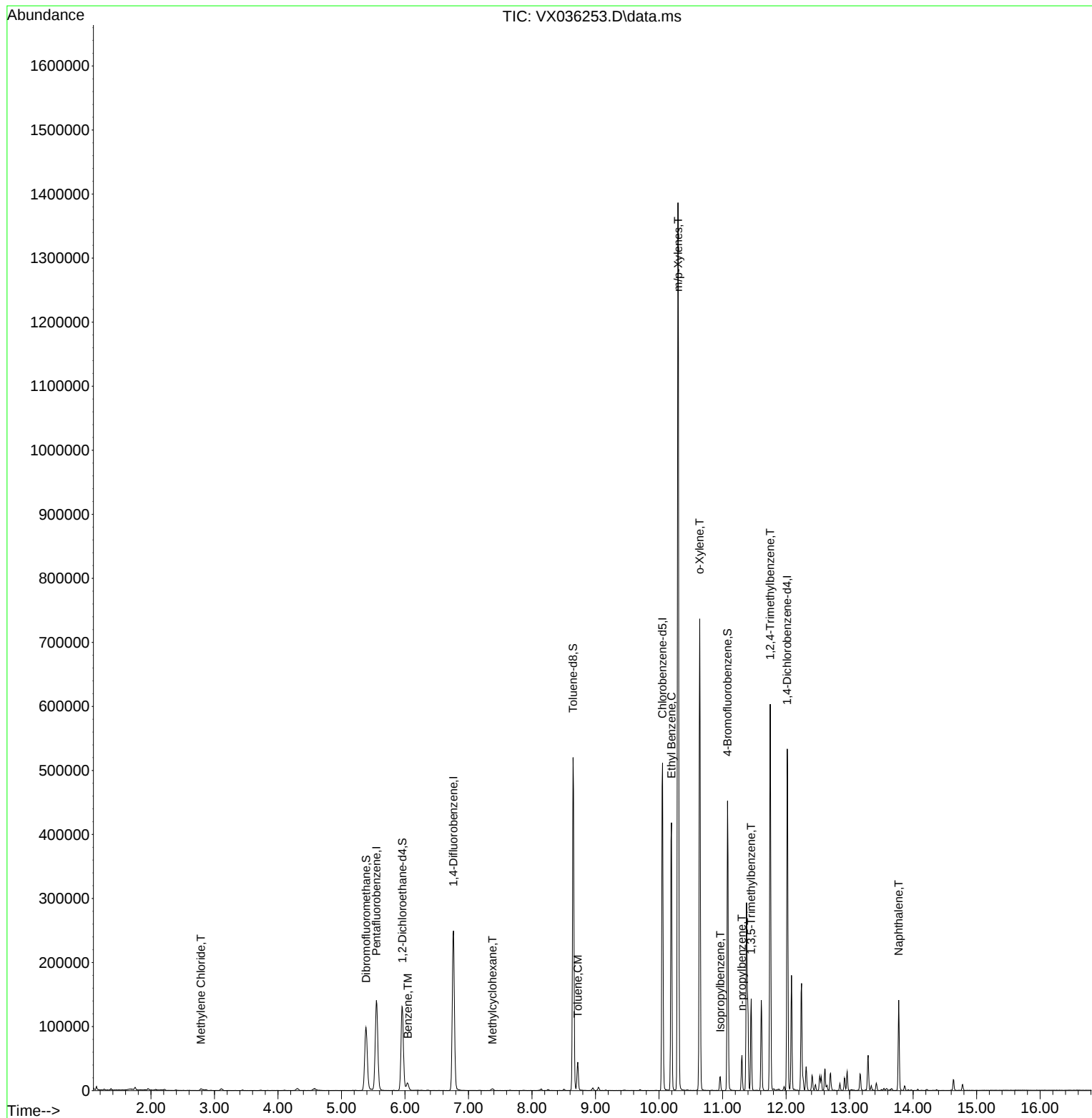
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.550     | 168   | 123286   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763     | 114   | 241204   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 215092   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018    | 152   | 100990   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.958     | 65    | 130989   | 58.140   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | = 116.280% |          |
| 35) Dibromofluoromethane    | 5.385     | 113   | 85878    | 52.504   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 105.000% |          |
| 50) Toluene-d8              | 8.647     | 98    | 293072   | 48.984   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | = 97.960%  |          |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 113600   | 47.037   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 94.080%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 20) Methylene Chloride      | 2.788     | 84    | 1185     | 0.699    | ug/l #     | 93       |
| 39) Methylcyclohexane       | 7.379     | 83    | 1213     | 0.467    | ug/l #     | 82       |
| 40) Benzene                 | 6.044     | 78    | 12325    | 1.819    | ug/l       | 97       |
| 52) Toluene                 | 8.720     | 92    | 15489    | 3.651    | ug/l       | 94       |
| 67) Ethyl Benzene           | 10.195    | 91    | 235752   | 29.617   | ug/l       | 99       |
| 68) m/p-Xylenes             | 10.299    | 106   | 308430   | 102.700  | ug/l       | 100      |
| 69) o-Xylene                | 10.640    | 106   | 147034   | 49.623   | ug/l       | 99       |
| 73) Isopropylbenzene        | 10.963    | 105   | 11061    | 1.476    | ug/l       | 98       |
| 78) n-propylbenzene         | 11.305    | 91    | 32561    | 3.694    | ug/l       | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451    | 105   | 56533    | 8.860    | ug/l       | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.750    | 105   | 244343   | 38.391   | ug/l       | 95       |
| 95) Naphthalene             | 13.774    | 128   | 80272    | 12.493   | ug/l       | 100      |
| -----                       |           |       |          |          |            |          |

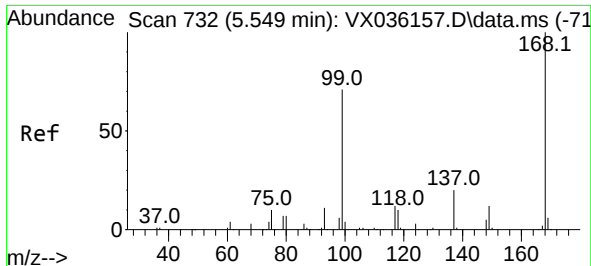
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062023\  
Data File : VX036253.D  
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Sample : 03339-02DL 100X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-08DL

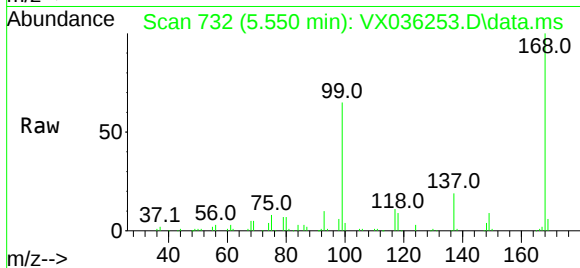
Quant Time: Jun 21 02:54:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 16 16:28:40 2023  
Response via : Initial Calibration



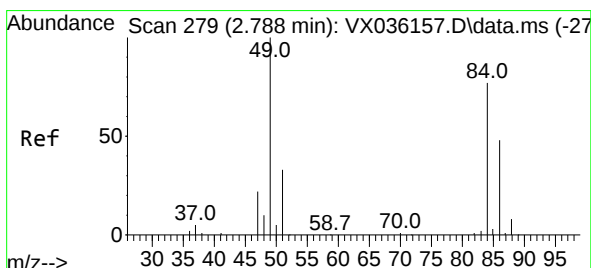
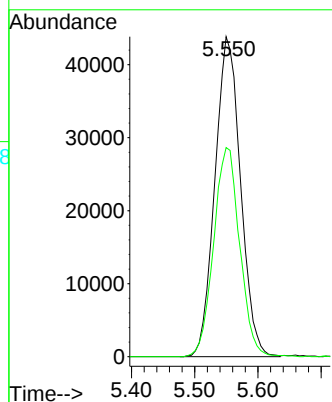
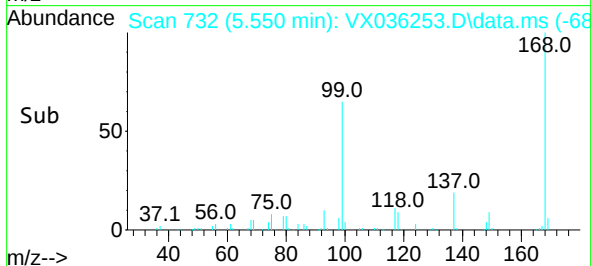


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-08DL

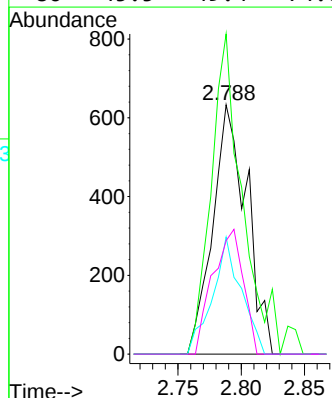
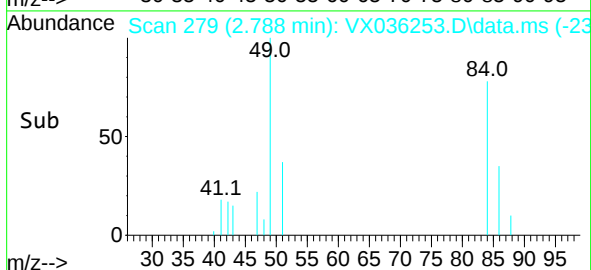
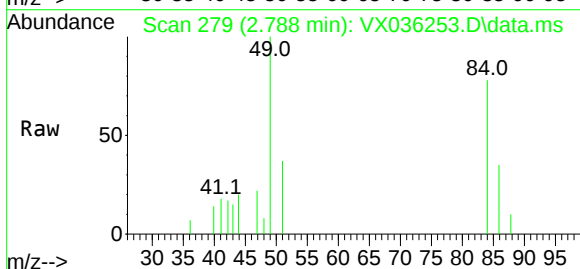


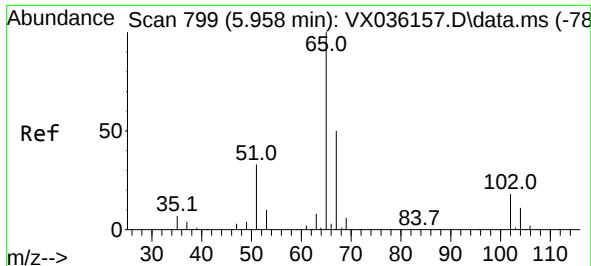
Tgt Ion:168 Resp: 123286  
Ion Ratio Lower Upper  
168 100  
99 65.4 56.6 85.0



#20  
Methylene Chloride  
Concen: 0.699 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

Tgt Ion: 84 Resp: 1185  
Ion Ratio Lower Upper  
84 100  
49 128.4 103.6 155.4  
51 46.9 33.8 50.6  
86 45.5 49.4 74.0

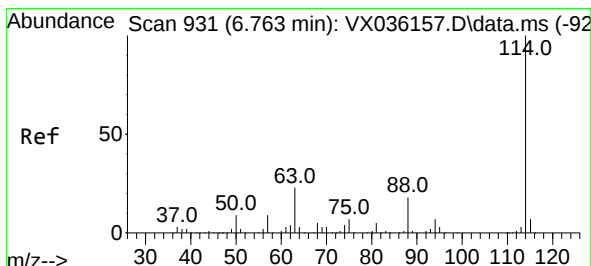
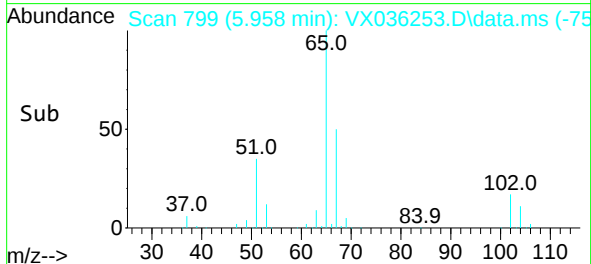
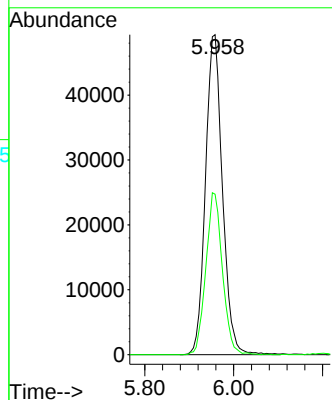
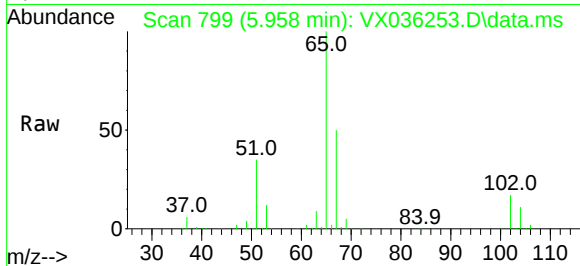




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.140 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX036253.D  
 Acq: 20 Jun 2023 19:12

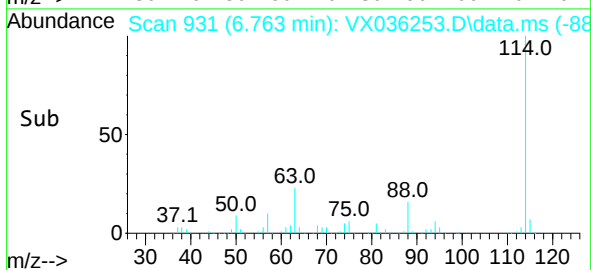
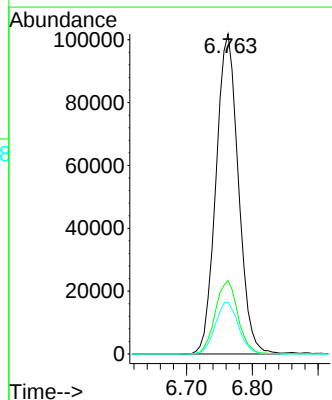
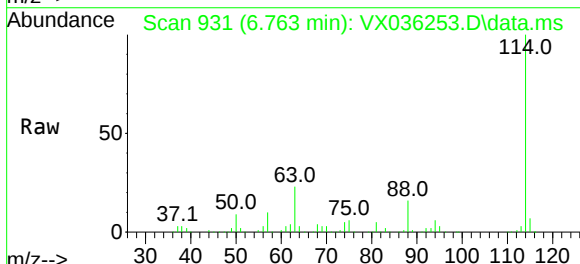
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-08DL

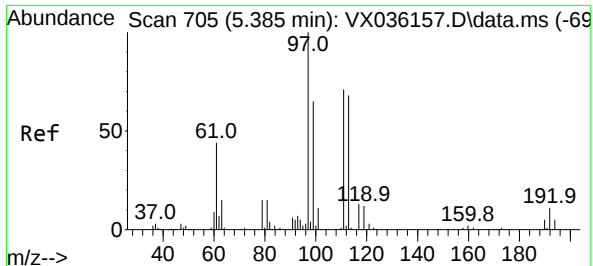
Tgt Ion: 65 Resp: 130989  
 Ion Ratio Lower Upper  
 65 100  
 67 49.5 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX036253.D  
 Acq: 20 Jun 2023 19:12

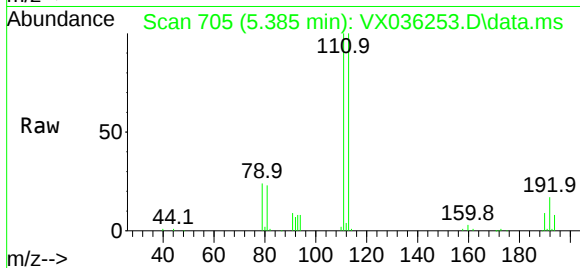
Tgt Ion: 114 Resp: 241204  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 45.0  
 88 16.2 0.0 36.6



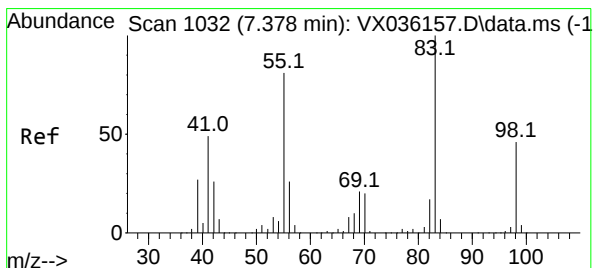
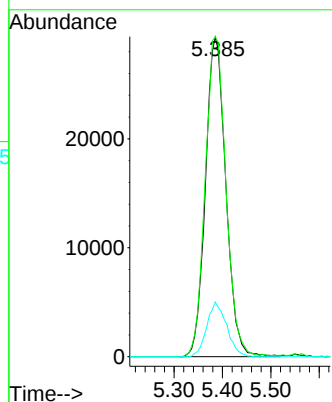
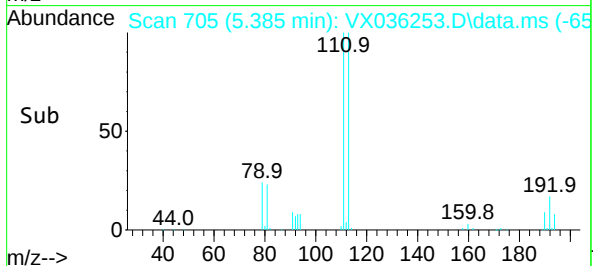


#35  
Dibromofluoromethane  
Concen: 52.504 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-08DL

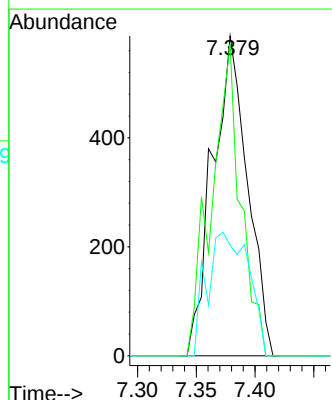
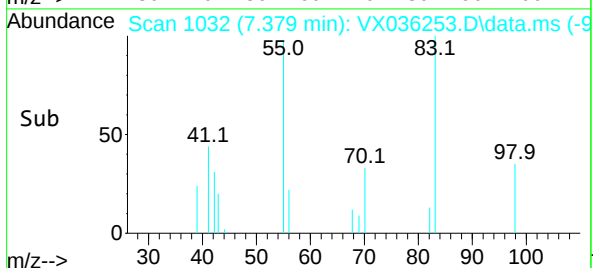
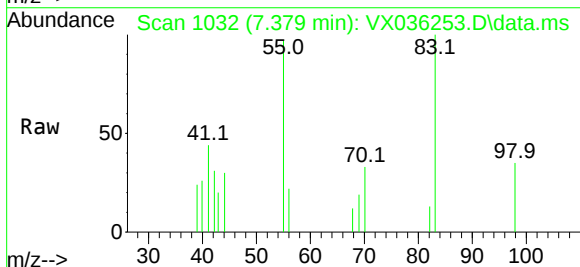


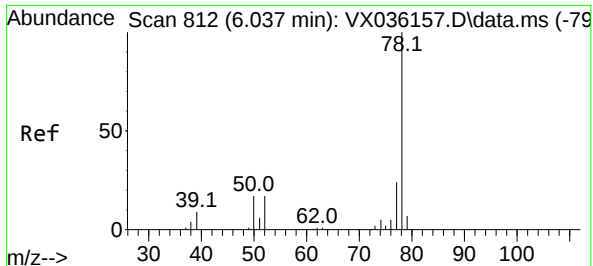
Tgt Ion:113 Resp: 85878  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 16.6 13.3 19.9



#39  
Methylcyclohexane  
Concen: 0.467 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.001 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

Tgt Ion: 83 Resp: 1213  
Ion Ratio Lower Upper  
83 100  
55 97.4 64.6 97.0#  
98 34.6 36.7 55.1#





#40

Benzene

Concen: 1.819 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX036253.D

Acq: 20 Jun 2023 19:12

Instrument :

MSVOA\_X

ClientSampleId :

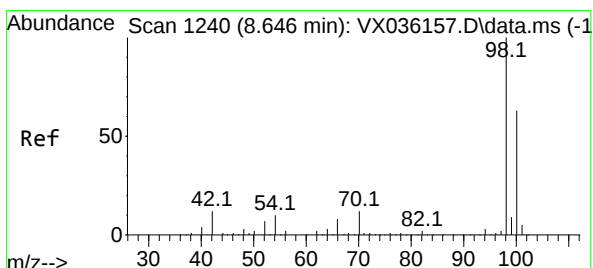
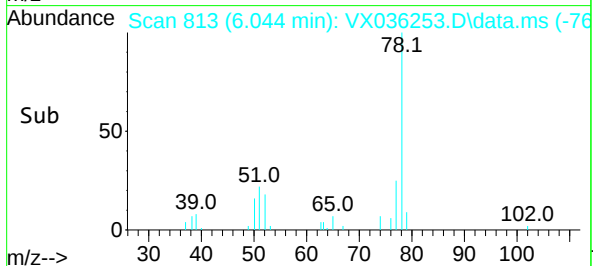
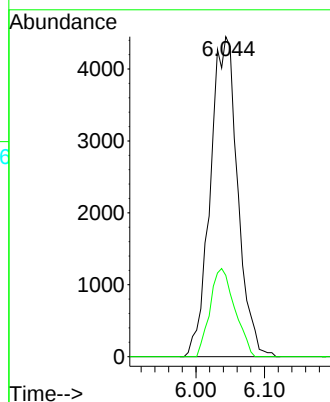
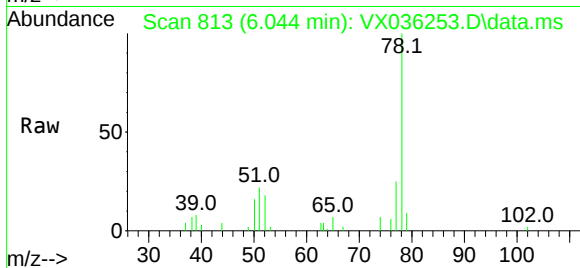
MW-08DL

Tgt Ion: 78 Resp: 12325

Ion Ratio Lower Upper

78 100

77 25.4 19.3 28.9



#50

Toluene-d8

Concen: 48.984 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036253.D

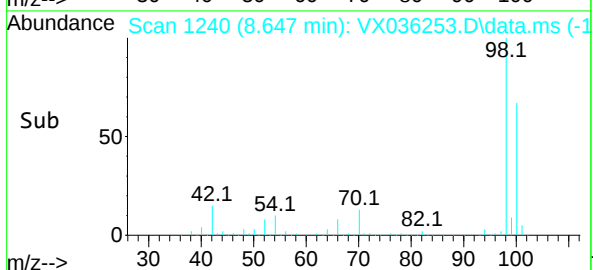
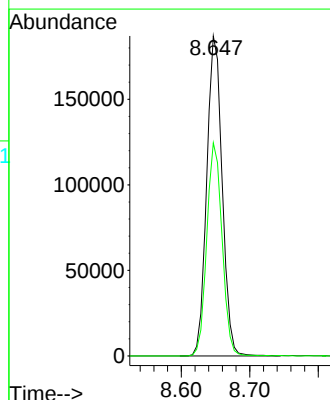
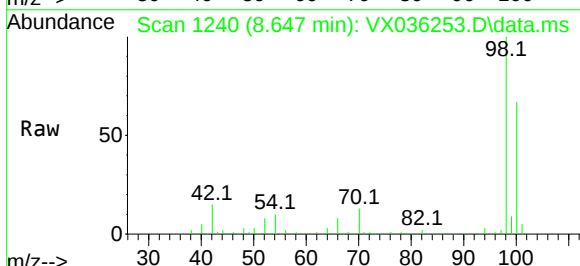
Acq: 20 Jun 2023 19:12

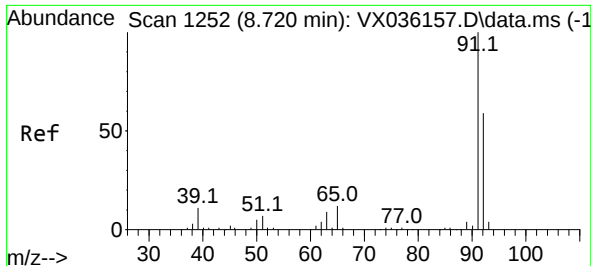
Tgt Ion: 98 Resp: 293072

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

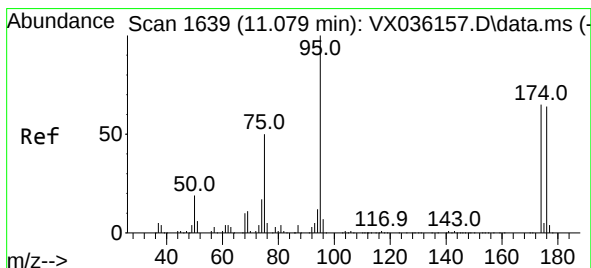
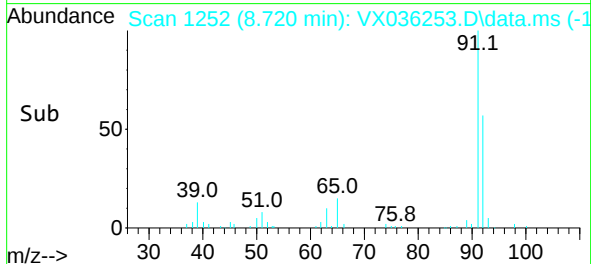
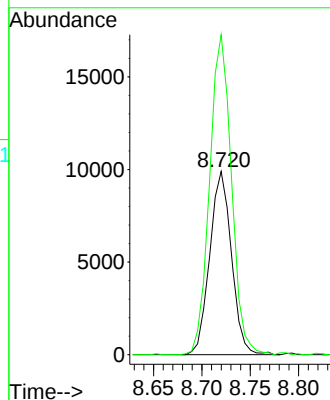
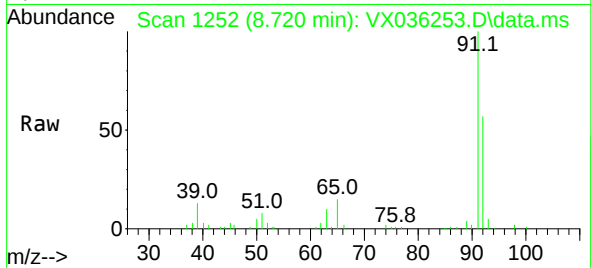




#52  
Toluene  
Concen: 3.651 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

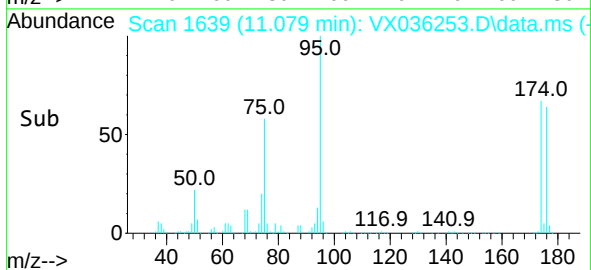
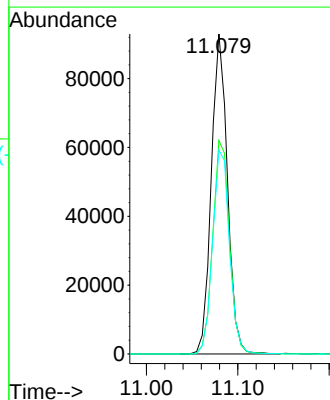
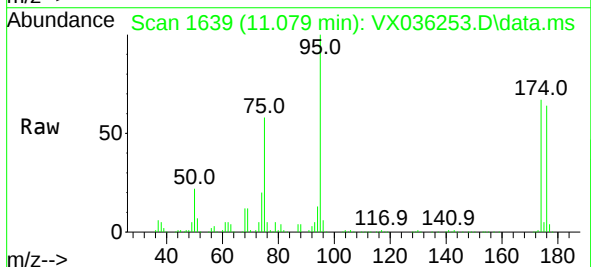
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ClientSampleId :  
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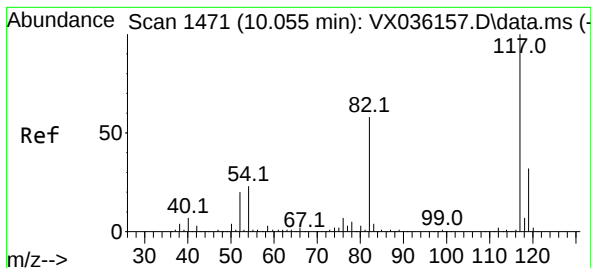
Tgt Ion: 92 Resp: 15489  
Ion Ratio Lower Upper  
92 100  
91 175.5 134.2 201.2



#62  
4-Bromofluorobenzene  
Concen: 47.037 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

Tgt Ion: 95 Resp: 113600  
Ion Ratio Lower Upper  
95 100  
174 69.5 0.0 135.6  
176 66.7 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036253.D

Acq: 20 Jun 2023 19:12

Instrument :

MSVOA\_X

ClientSampleId :

MW-08DL

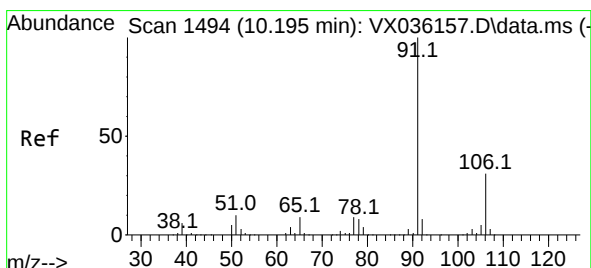
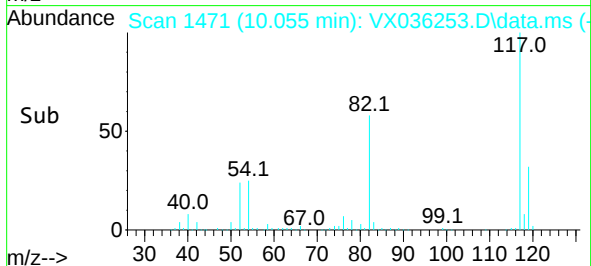
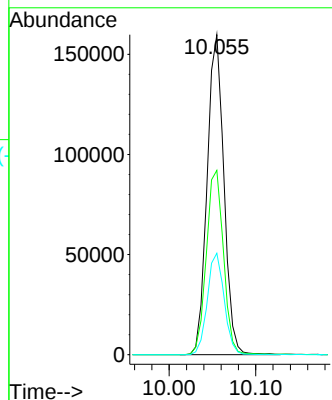
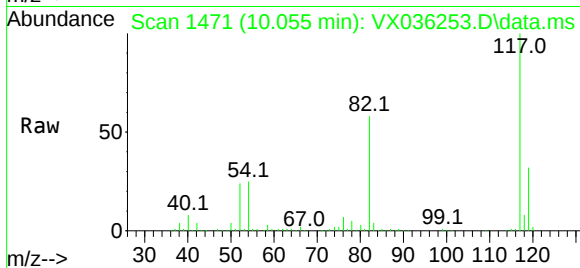
Tgt Ion:117 Resp: 215092

Ion Ratio Lower Upper

117 100

82 57.6 46.2 69.4

119 31.7 25.5 38.3



#67

Ethyl Benzene

Concen: 29.617 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX036253.D

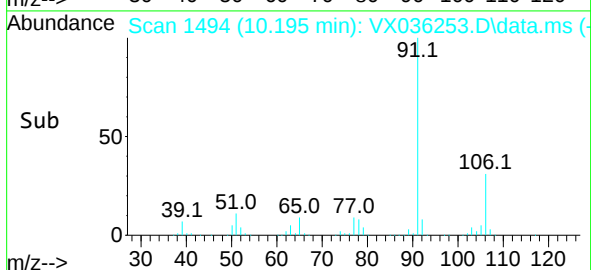
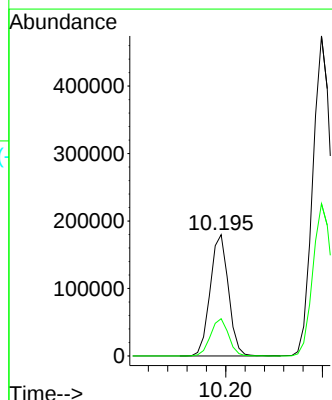
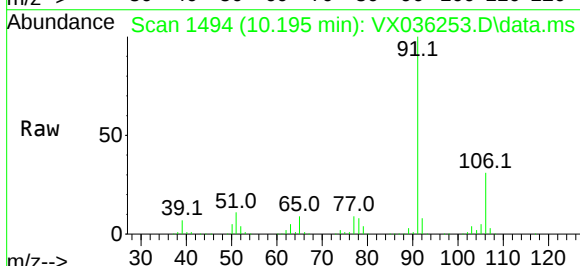
Acq: 20 Jun 2023 19:12

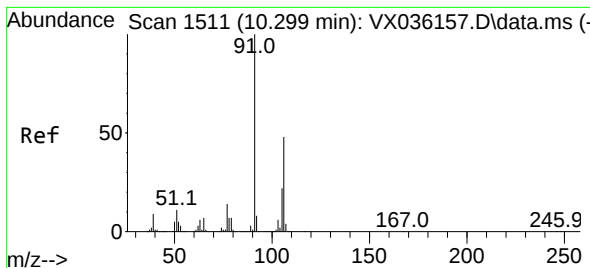
Tgt Ion: 91 Resp: 235752

Ion Ratio Lower Upper

91 100

106 30.7 24.9 37.3

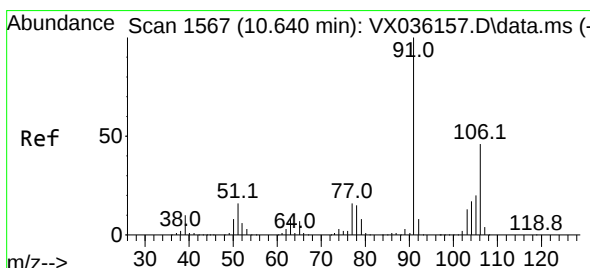
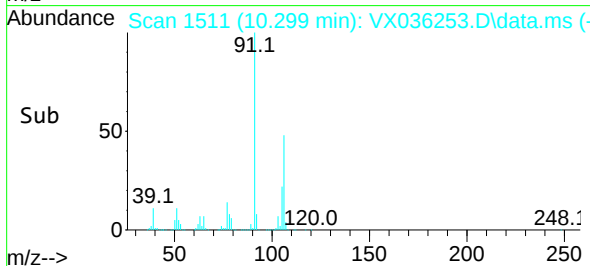
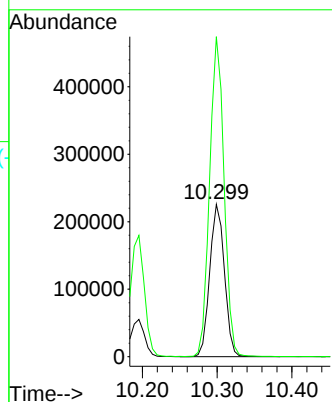
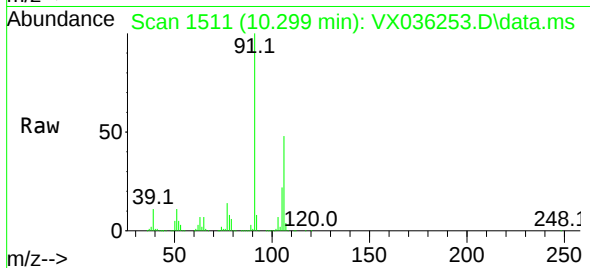




#68  
m/p-Xylenes  
Concen: 102.700 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

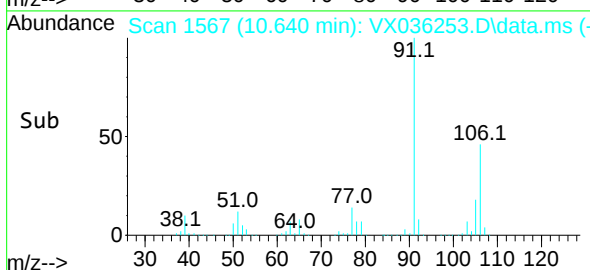
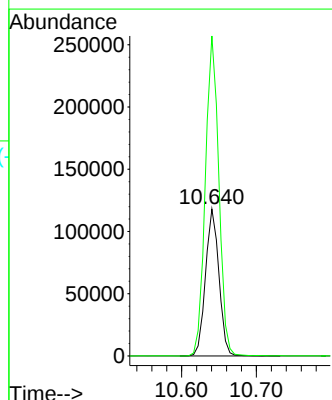
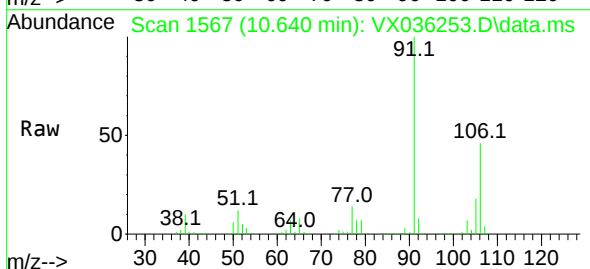
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-08DL

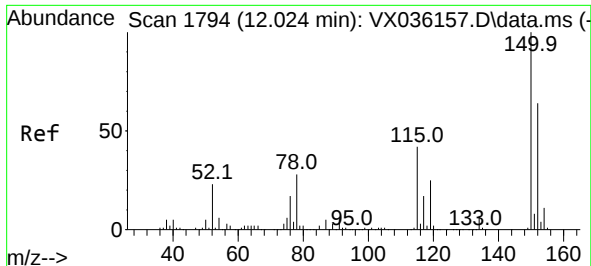
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Ion Ratio Lower Upper  
106 100  
91 206.3 165.5 248.3



#69  
o-Xylene  
Concen: 49.623 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX036253.D  
Acq: 20 Jun 2023 19:12

Tgt Ion:106 Resp: 147034  
Ion Ratio Lower Upper  
106 100  
91 219.0 108.9 326.8

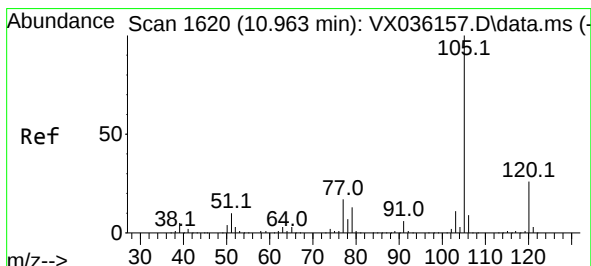
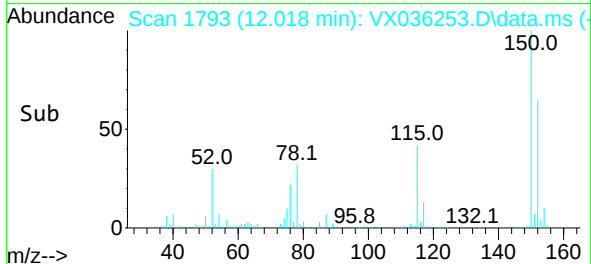
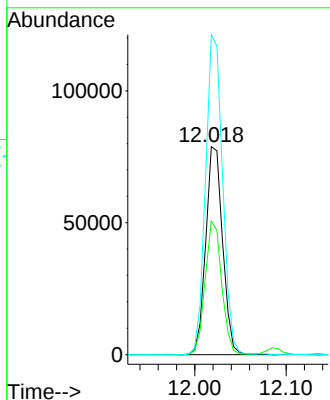
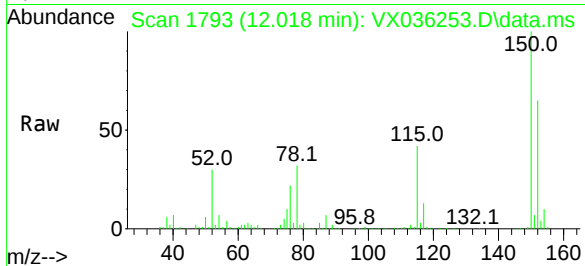




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VX036253.D  
 Acq: 20 Jun 2023 19:12

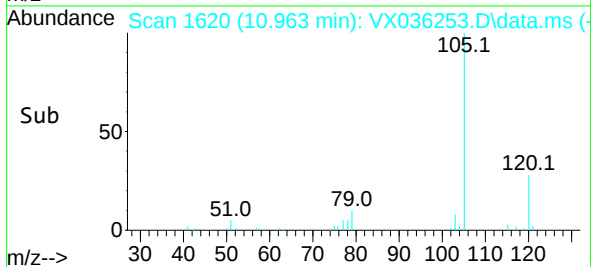
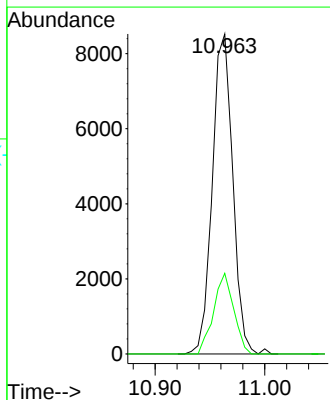
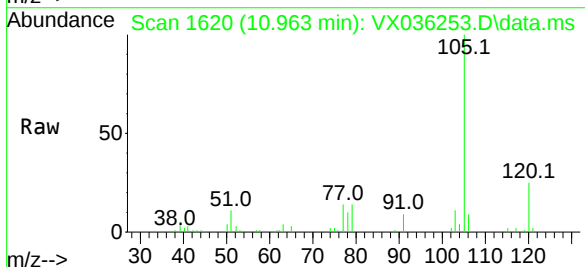
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-08DL

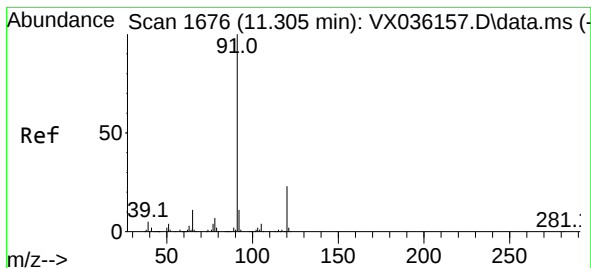
Tgt Ion:152 Resp: 100990  
 Ion Ratio Lower Upper  
 152 100  
 115 63.0 43.3 129.9  
 150 154.9 0.0 345.0



#73  
 Isopropylbenzene  
 Concen: 1.476 ug/l  
 RT: 10.963 min Scan# 1620  
 Delta R.T. 0.000 min  
 Lab File: VX036253.D  
 Acq: 20 Jun 2023 19:12

Tgt Ion:105 Resp: 11061  
 Ion Ratio Lower Upper  
 105 100  
 120 24.8 12.9 38.6





#78

n-propylbenzene

Concen: 3.694 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036253.D

Acq: 20 Jun 2023 19:12

Instrument :

MSVOA\_X

ClientSampleId :

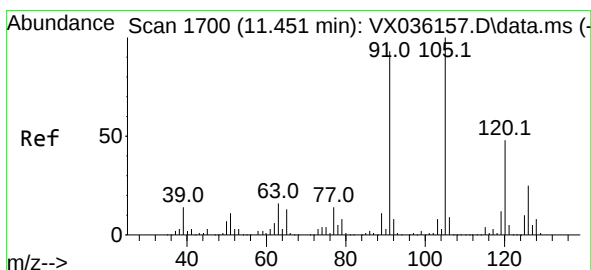
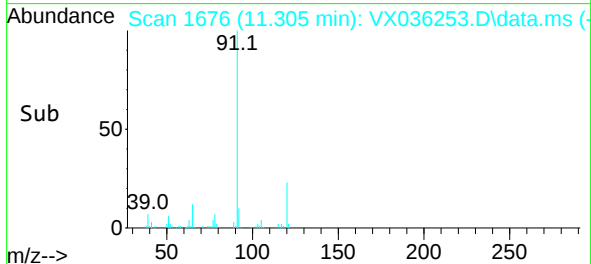
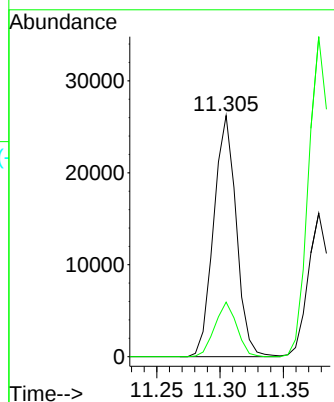
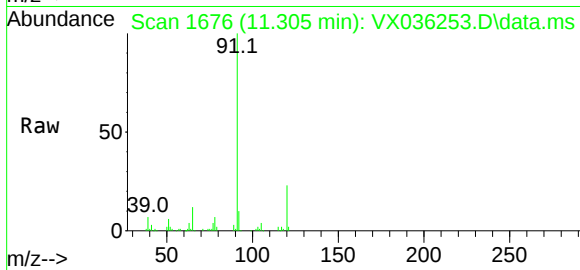
MW-08DL

Tgt Ion: 91 Resp: 32561

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 8.860 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036253.D

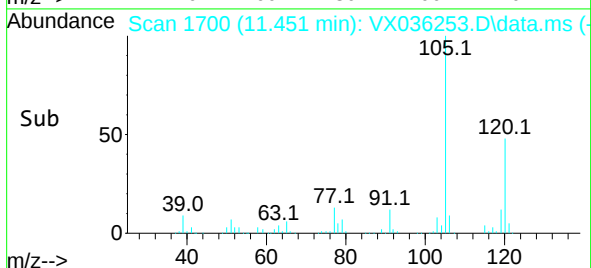
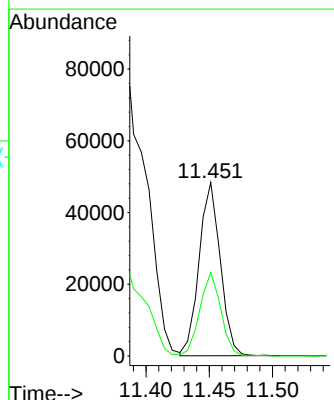
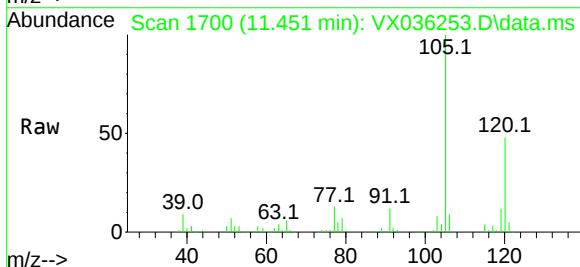
Acq: 20 Jun 2023 19:12

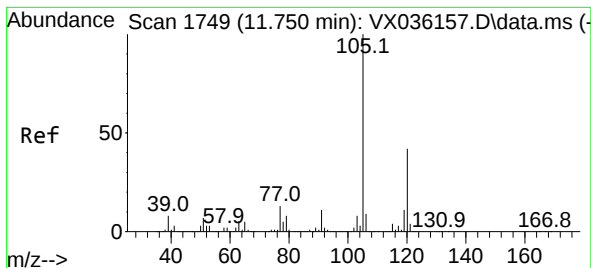
Tgt Ion: 105 Resp: 56533

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 38.391 ug/l

RT: 11.750 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036253.D

Acq: 20 Jun 2023 19:12

Instrument :

MSVOA\_X

ClientSampleId :

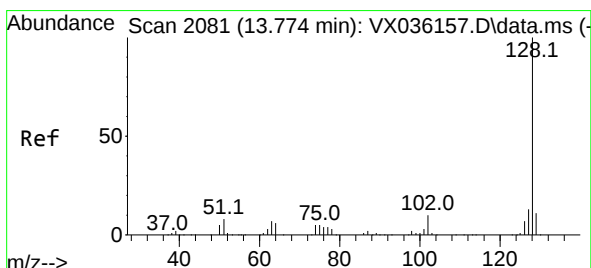
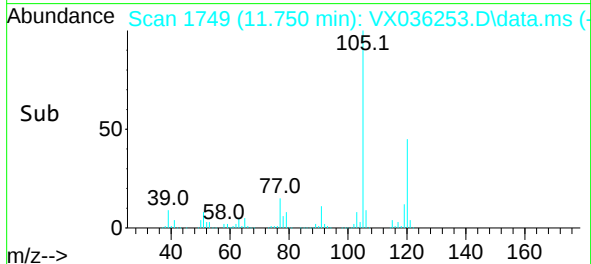
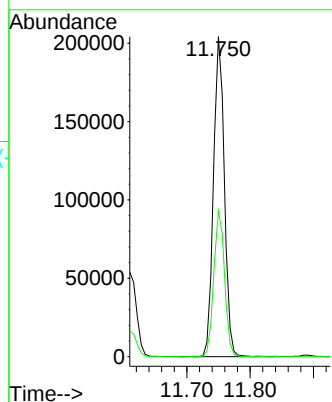
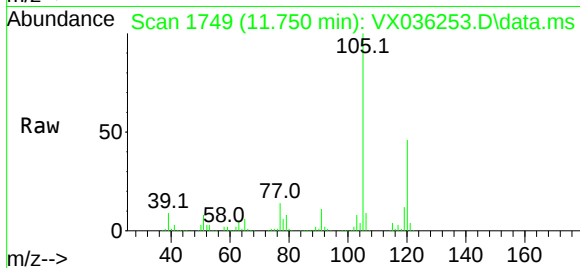
MW-08DL

Tgt Ion:105 Resp: 244343

Ion Ratio Lower Upper

105 100

120 45.3 21.2 63.6



#95

Naphthalene

Concen: 12.493 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX036253.D

Acq: 20 Jun 2023 19:12

Tgt Ion:128 Resp: 80272

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.8 8.8 13.2

