

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052722\  
 Data File : VX029023.D  
 Acq On : 27 May 2022 14:50  
 Operator : JC/MD  
 Sample : N2968-05 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-27

Quant Time: May 27 22:09:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

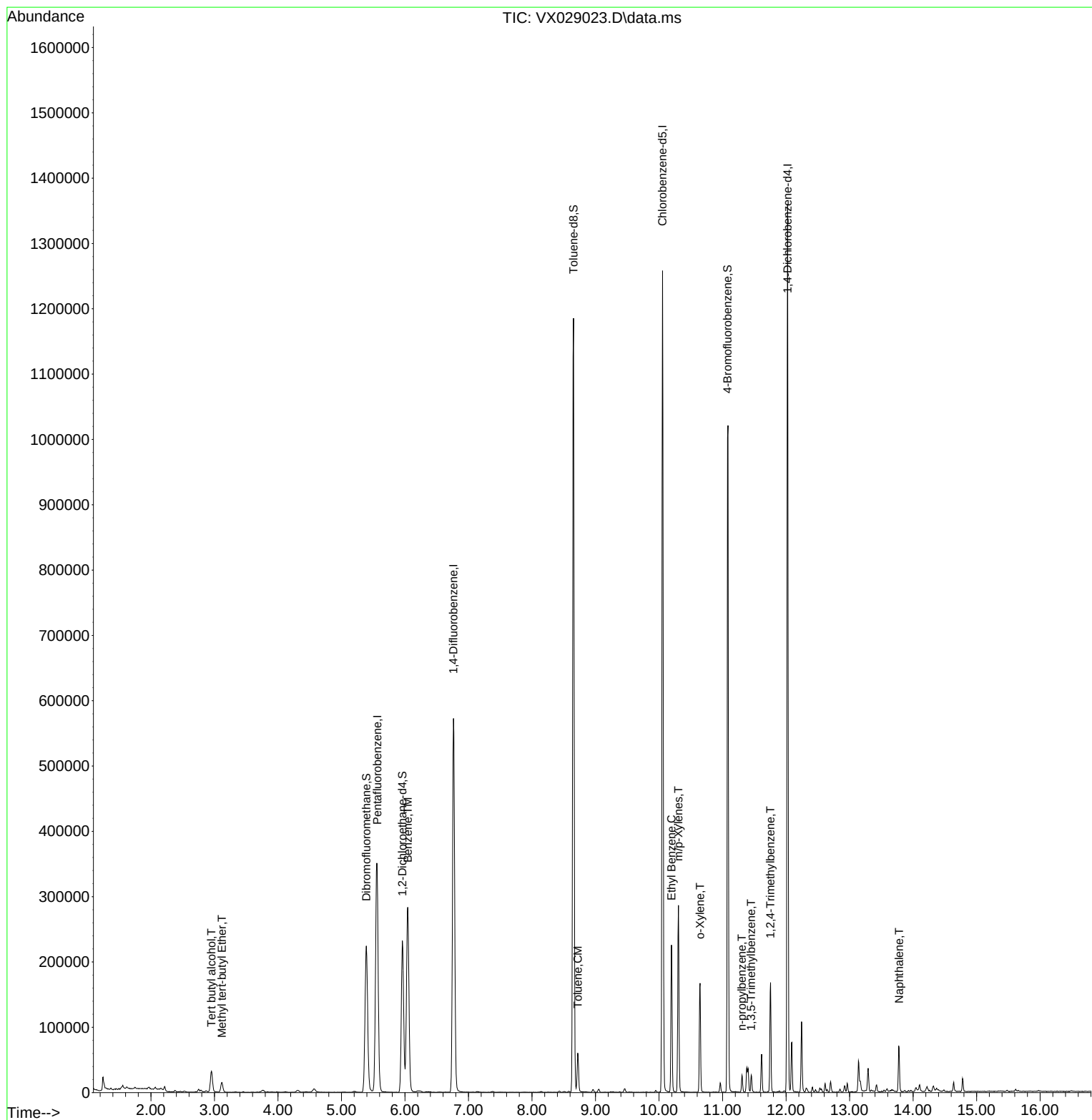
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 342327   | 50.000   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 611852   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 584307   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 279227   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 222677   | 47.454   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 94.900%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 200518   | 50.020   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 100.040% |
| 50) Toluene-d8              | 8.653  | 98    | 725657   | 48.013   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 96.020%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 289194   | 51.229   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 102.460% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 2.953  | 59    | 31728    | 24.669   | ug/l   | 96       |
| 19) Methyl tert-butyl Ether | 3.117  | 73    | 16359    | 1.301    | ug/l   | 100      |
| 40) Benzene                 | 6.043  | 78    | 359201   | 20.758   | ug/l   | 99       |
| 52) Toluene                 | 8.720  | 92    | 23581    | 2.118    | ug/l   | 98       |
| 67) Ethyl Benzene           | 10.195 | 91    | 131254   | 5.908    | ug/l   | 100      |
| 68) m/p-Xylenes             | 10.305 | 106   | 66860    | 7.729    | ug/l   | 97       |
| 69) o-Xylene                | 10.646 | 106   | 38010    | 4.463    | ug/l   | 97       |
| 78) n-propylbenzene         | 11.305 | 91    | 16212    | 0.662    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 12153    | 0.689    | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 76289    | 4.312    | ug/l   | 99       |
| 95) Naphthalene             | 13.780 | 128   | 46451    | 2.341    | ug/l   | 100      |
| -----                       |        |       |          |          |        |          |

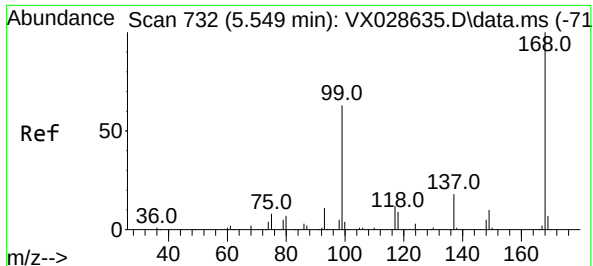
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Time: May 27 22:09:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
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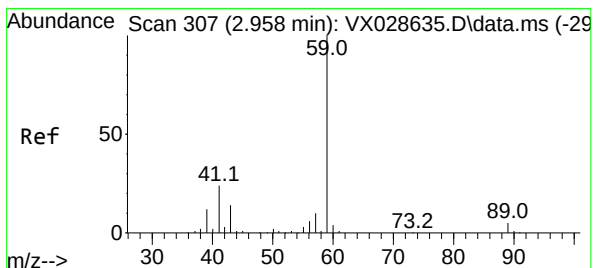
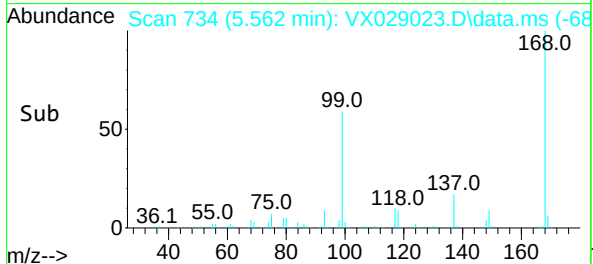
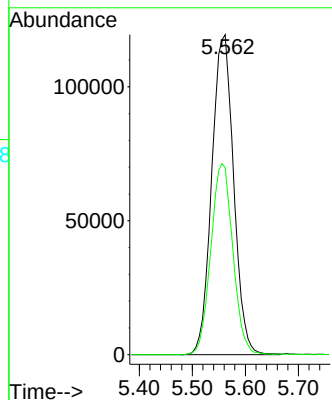
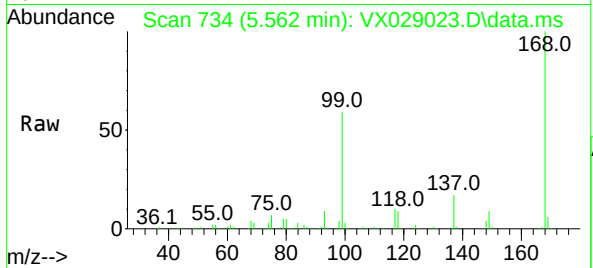




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.013 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

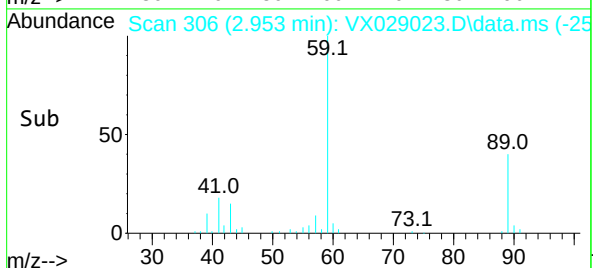
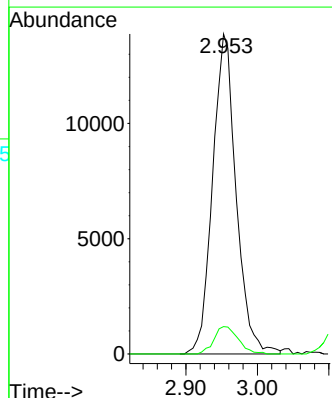
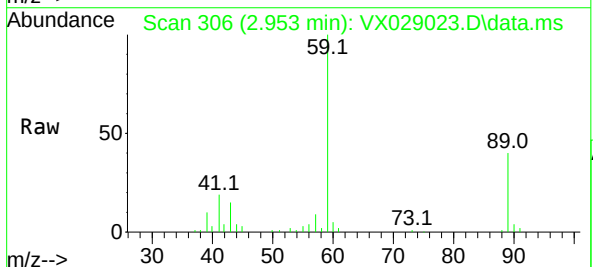
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-27

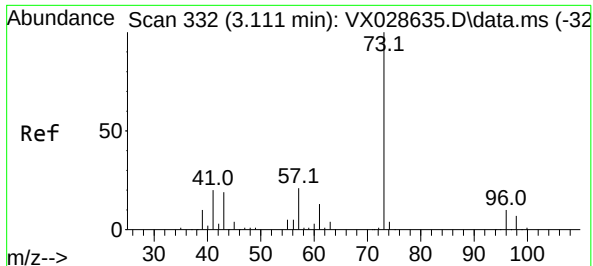
Tgt Ion:168 Resp: 342327  
Ion Ratio Lower Upper  
168 100  
99 58.5 41.7 62.5



#11  
Tert butyl alcohol  
Concen: 24.669 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.005 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

Tgt Ion: 59 Resp: 31728  
Ion Ratio Lower Upper  
59 100  
57 8.8 8.3 12.5

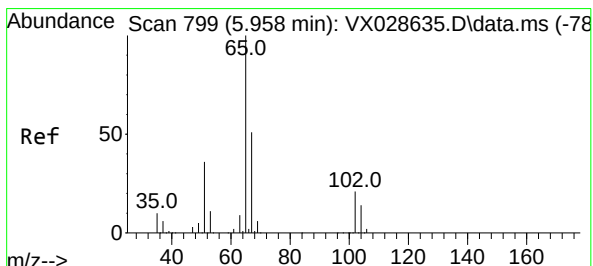
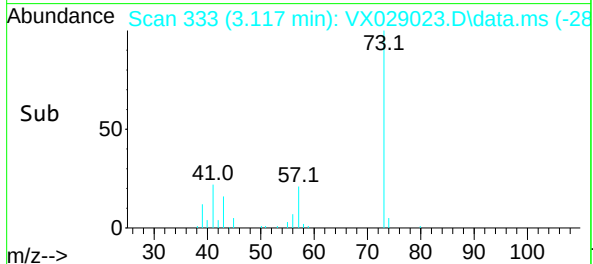
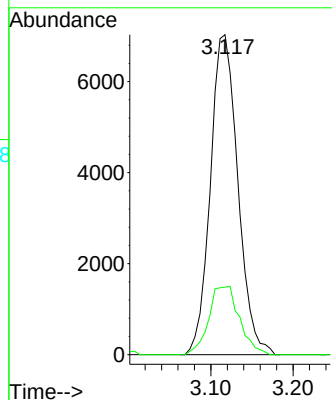
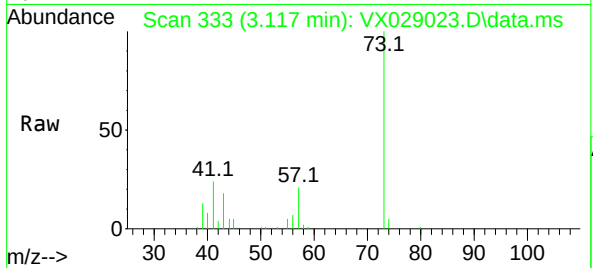




#19  
Methyl tert-butyl Ether  
Concen: 1.301 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

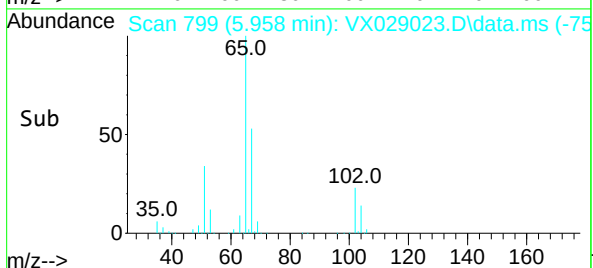
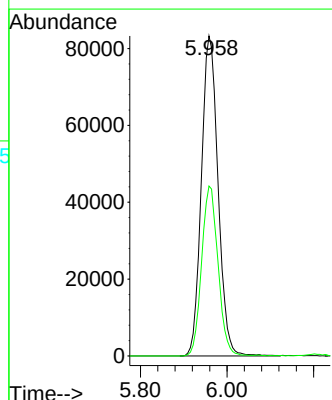
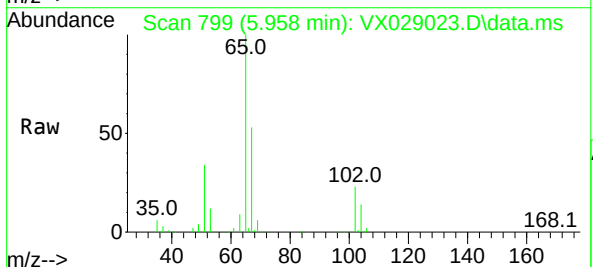
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-27

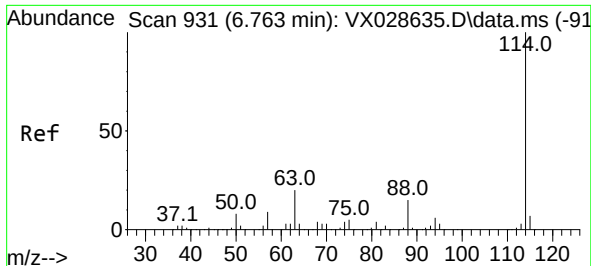
Tgt Ion: 73 Resp: 16359  
Ion Ratio Lower Upper  
73 100  
57 21.1 16.8 25.2



#33  
1,2-Dichloroethane-d4  
Concen: 47.454 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

Tgt Ion: 65 Resp: 222677  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 107.4

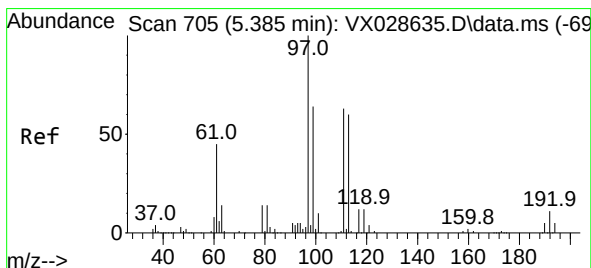
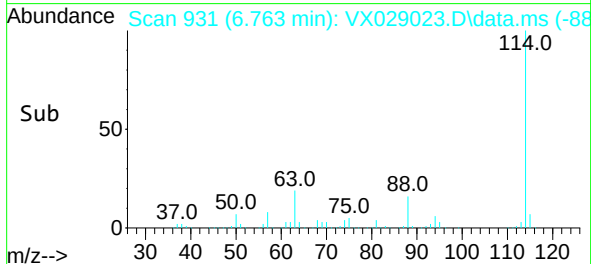
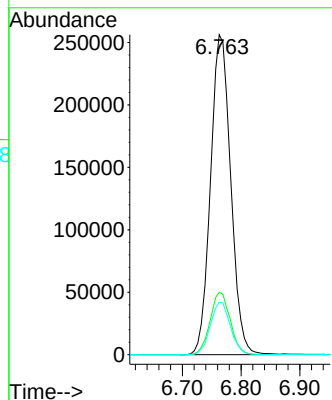
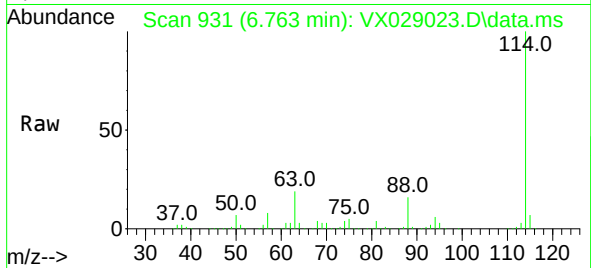




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

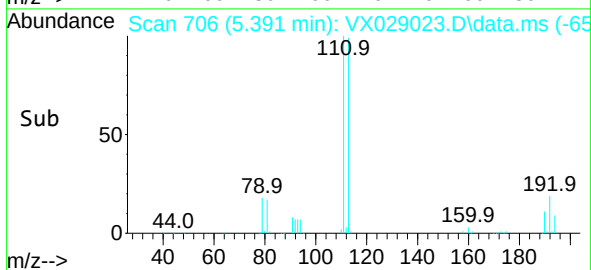
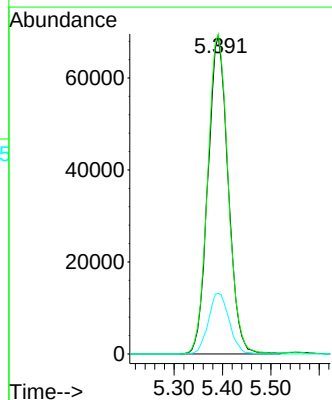
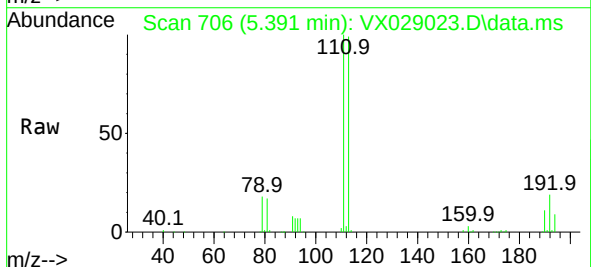
Instrument :  
MSVOA\_X  
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MW-27

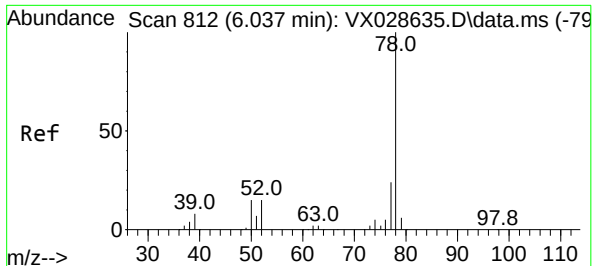
Tgt Ion:114 Resp: 611852  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 36.8  
88 16.4 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 50.020 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

Tgt Ion:113 Resp: 200518  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.8 124.2  
192 19.6 16.9 25.3

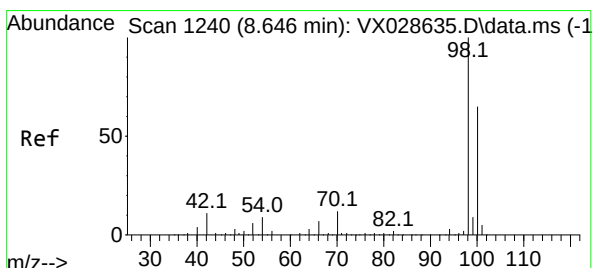
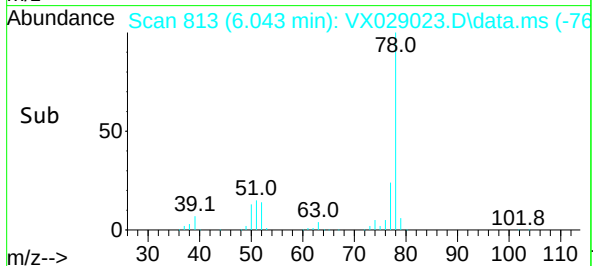
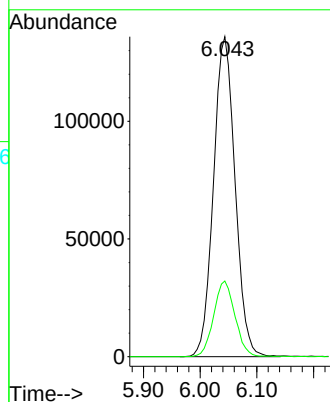
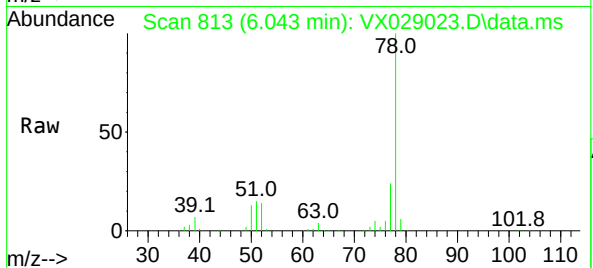




#40  
Benzene  
Concen: 20.758 ug/l  
RT: 6.043 min Scan# 812  
Delta R.T. 0.006 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

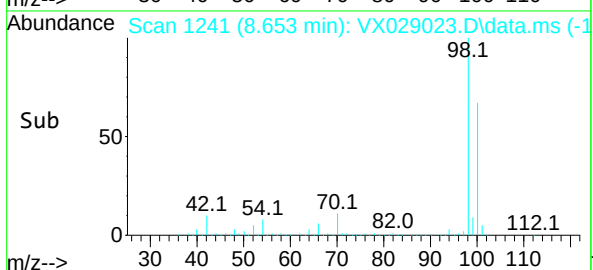
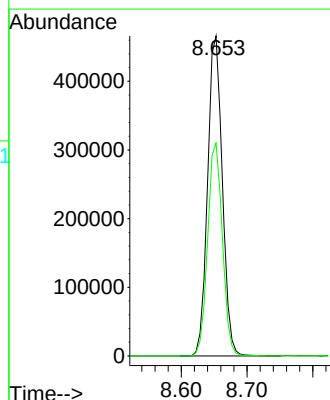
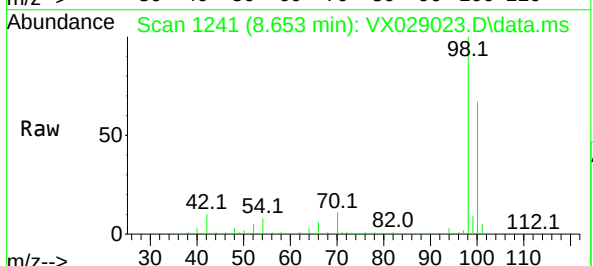
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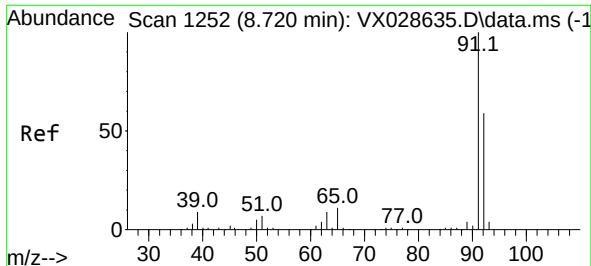
Tgt Ion: 78 Resp: 359201  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.3 28.9



#50  
Toluene-d8  
Concen: 48.013 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.007 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

Tgt Ion: 98 Resp: 725657  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.6 78.8

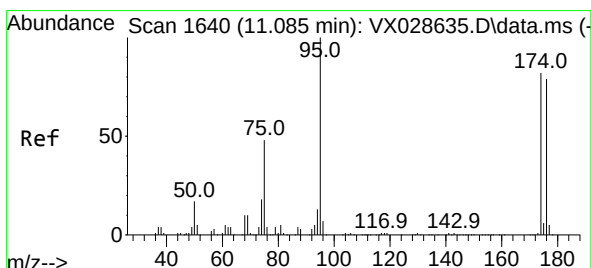
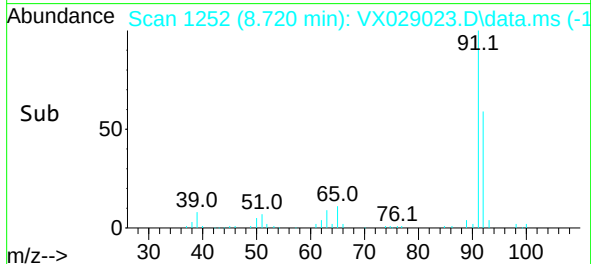
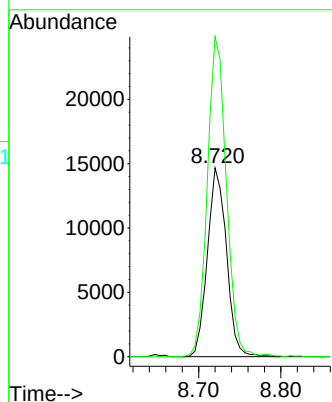
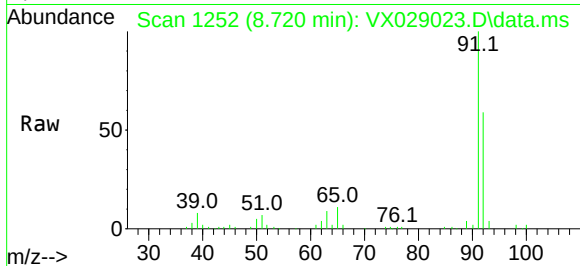




#52  
Toluene  
Concen: 2.118 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

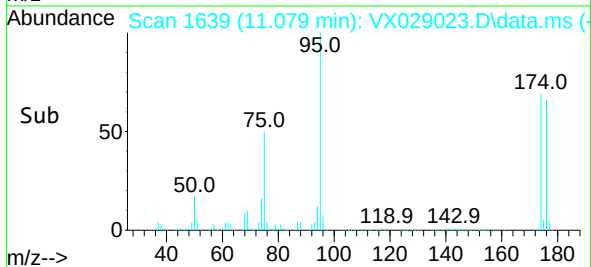
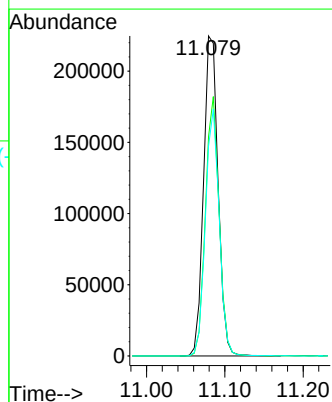
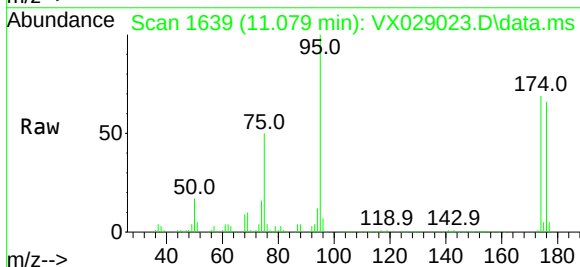
Instrument :  
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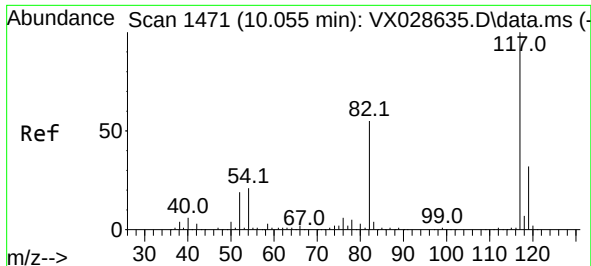
Tgt Ion: 92 Resp: 23581  
Ion Ratio Lower Upper  
92 100  
91 169.2 137.5 206.3



#62  
4-Bromofluorobenzene  
Concen: 51.229 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

Tgt Ion: 95 Resp: 289194  
Ion Ratio Lower Upper  
95 100  
174 76.4 0.0 163.0  
176 73.7 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX029023.D

Acq: 27 May 2022 14:50

Instrument :

MSVOA\_X

ClientSampleId :

MW-27

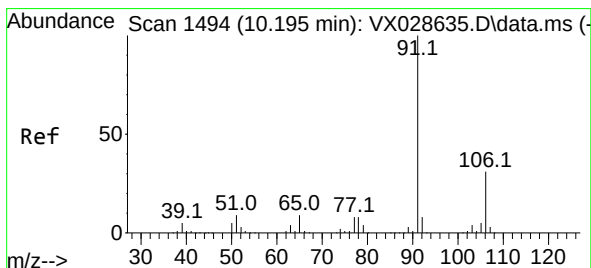
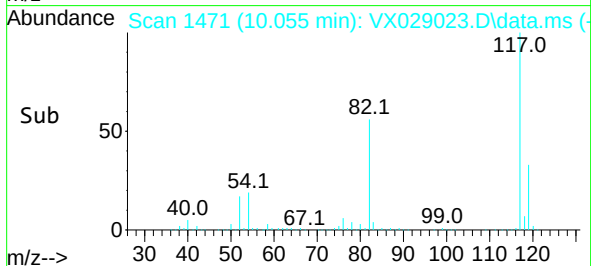
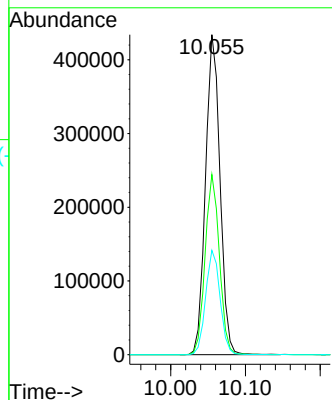
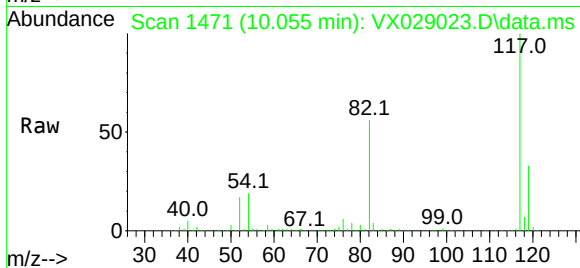
Tgt Ion:117 Resp: 584307

Ion Ratio Lower Upper

117 100

82 56.3 41.8 62.8

119 32.6 24.8 37.2



#67

Ethyl Benzene

Concen: 5.908 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX029023.D

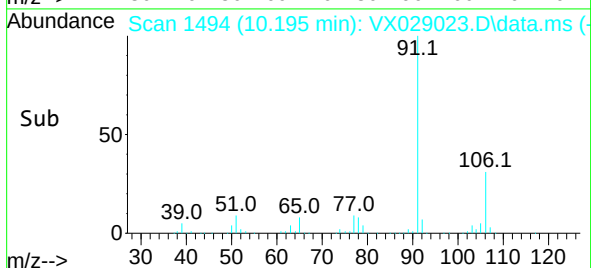
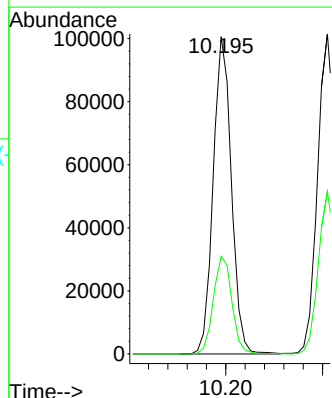
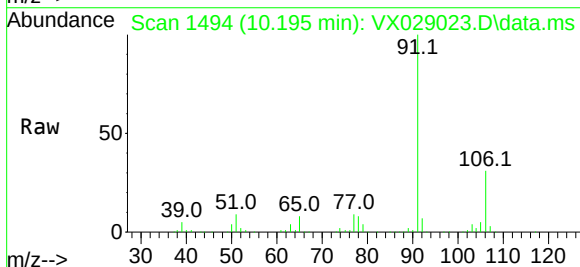
Acq: 27 May 2022 14:50

Tgt Ion: 91 Resp: 131254

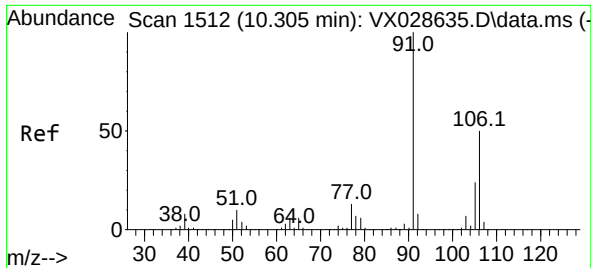
Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8



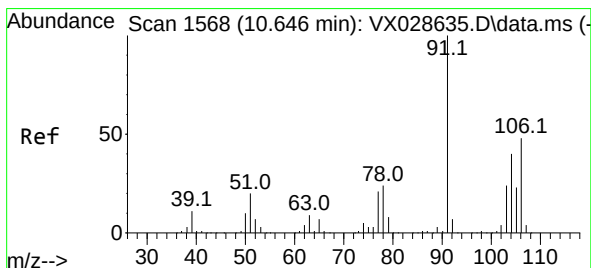
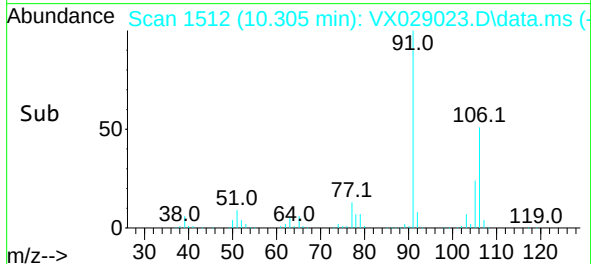
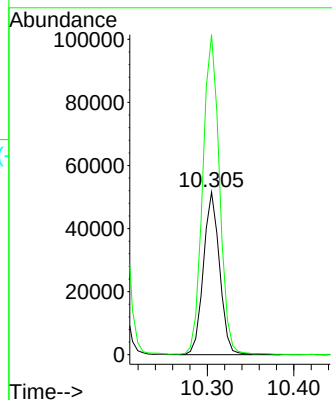
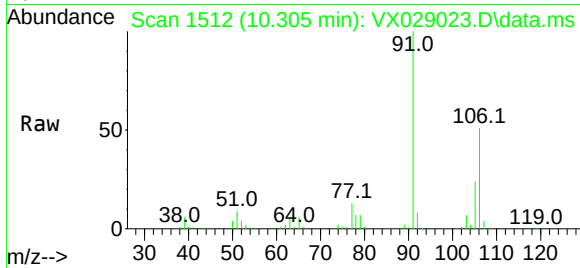




#68  
m/p-Xylenes  
Concen: 7.729 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

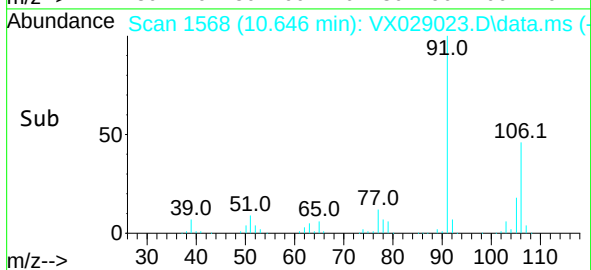
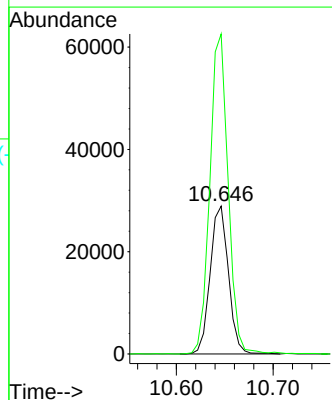
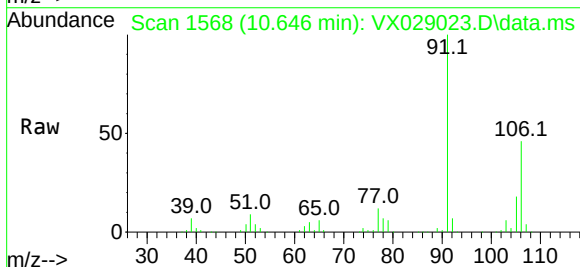
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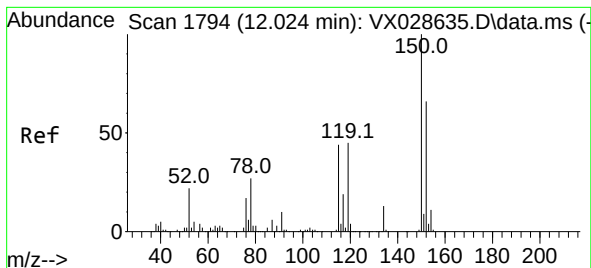
Tgt Ion:106 Resp: 66860  
Ion Ratio Lower Upper  
106 100  
91 204.9 160.4 240.6



#69  
o-Xylene  
Concen: 4.463 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX029023.D  
Acq: 27 May 2022 14:50

Tgt Ion:106 Resp: 38010  
Ion Ratio Lower Upper  
106 100  
91 217.2 106.1 318.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029023.D

Acq: 27 May 2022 14:50

Instrument :

MSVOA\_X

ClientSampleId :

MW-27

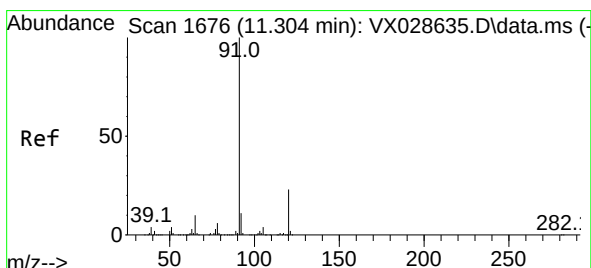
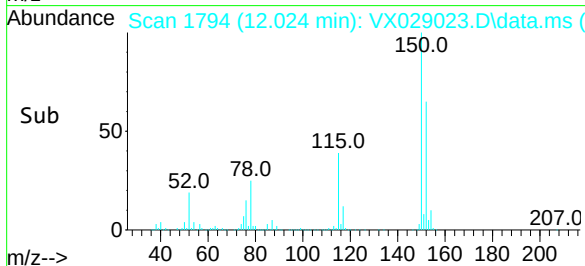
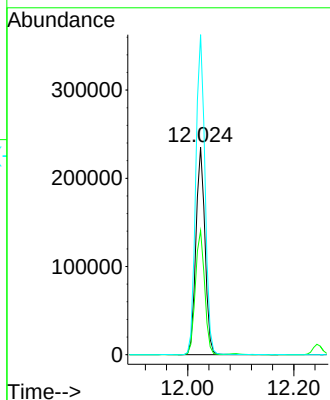
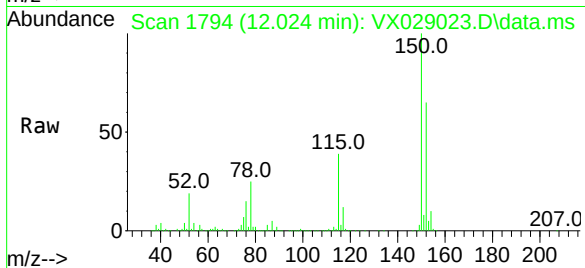
Tgt Ion:152 Resp: 279227

Ion Ratio Lower Upper

152 100

115 61.1 37.5 112.7

150 157.1 0.0 338.2



#78

n-propylbenzene

Concen: 0.662 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX029023.D

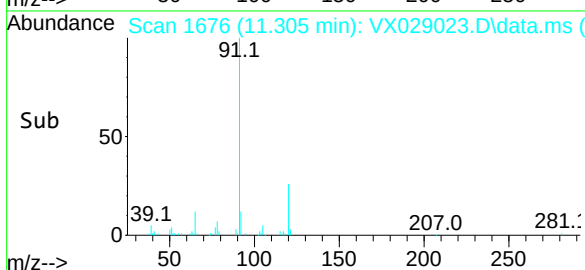
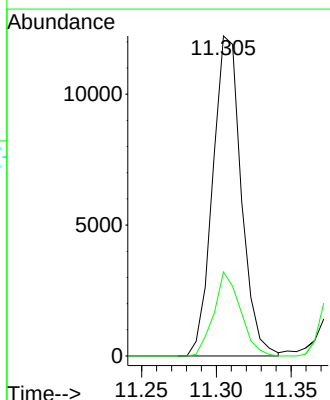
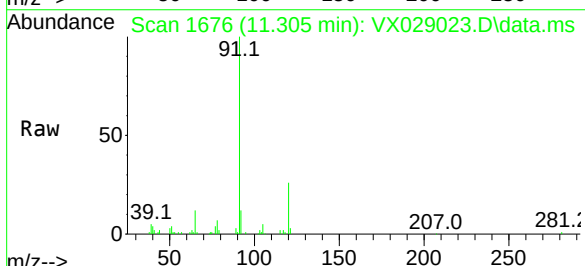
Acq: 27 May 2022 14:50

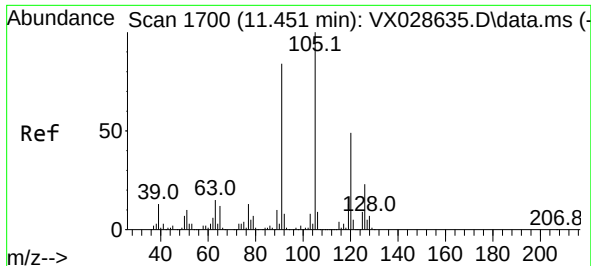
Tgt Ion: 91 Resp: 16212

Ion Ratio Lower Upper

91 100

120 24.4 11.6 34.8

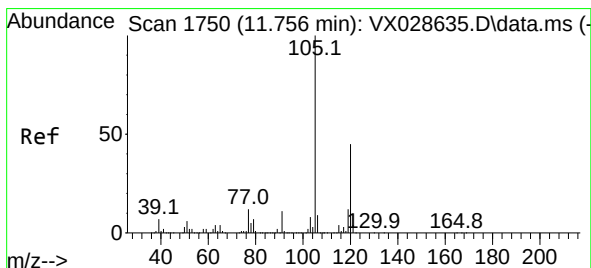
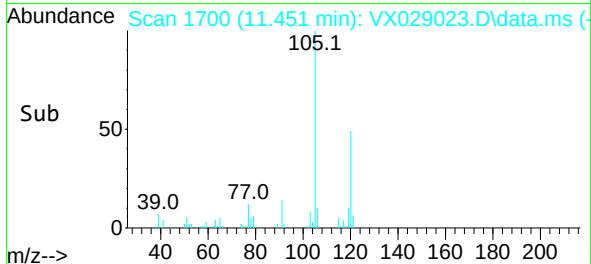
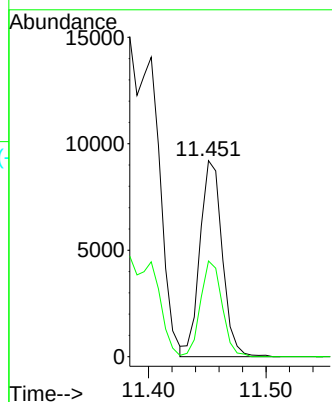
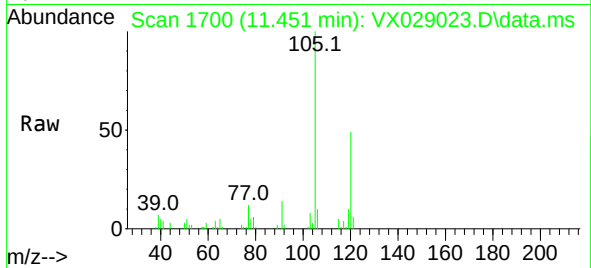




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.689 ug/l  
 RT: 11.451 min Scan# 1700  
 Delta R.T. 0.000 min  
 Lab File: VX029023.D  
 Acq: 27 May 2022 14:50

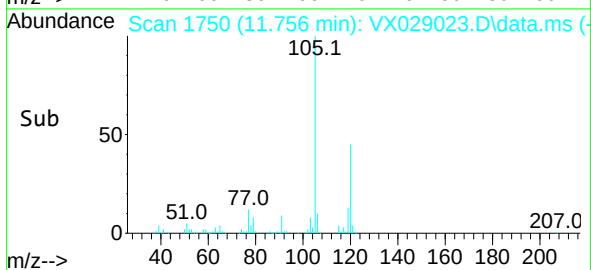
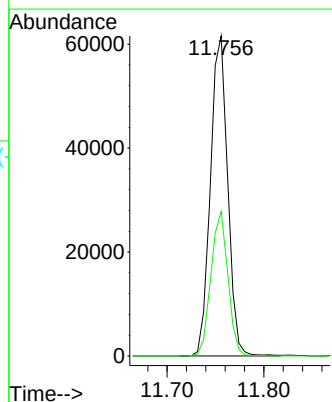
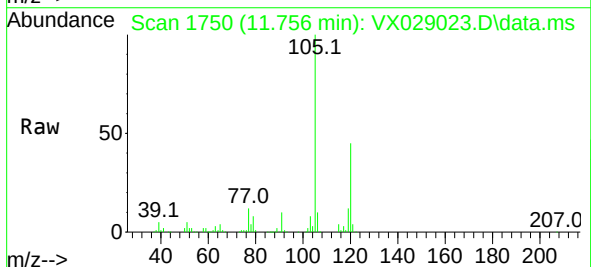
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-27

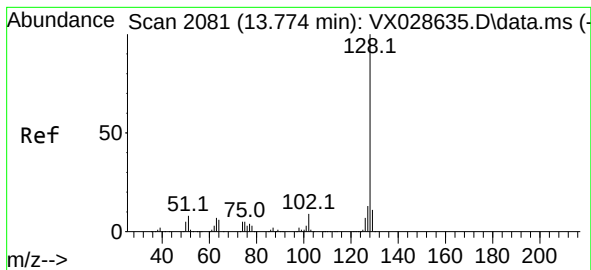
Tgt Ion:105 Resp: 12153  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 24.3 72.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.312 ug/l  
 RT: 11.756 min Scan# 1750  
 Delta R.T. -0.000 min  
 Lab File: VX029023.D  
 Acq: 27 May 2022 14:50

Tgt Ion:105 Resp: 76289  
 Ion Ratio Lower Upper  
 105 100  
 120 44.3 22.6 67.8





#95

Naphthalene

Concen: 2.341 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX029023.D

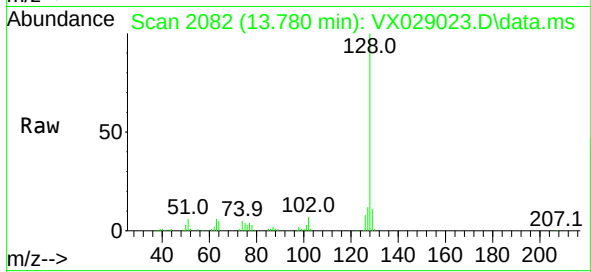
Acq: 27 May 2022 14:50

Instrument :

MSVOA\_X

ClientSampleId :

MW-27



Tgt Ion:128 Resp: 46451

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.9 8.7 13.1

