

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032524\  
 Data File : VY017755.D  
 Acq On : 25 Mar 2024 17:11  
 Operator : SY/MD  
 Sample : P1861-01RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-02-03252024RE

Quant Time: Mar 26 03:38:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 04:03:52 2024  
 Response via : Initial Calibration

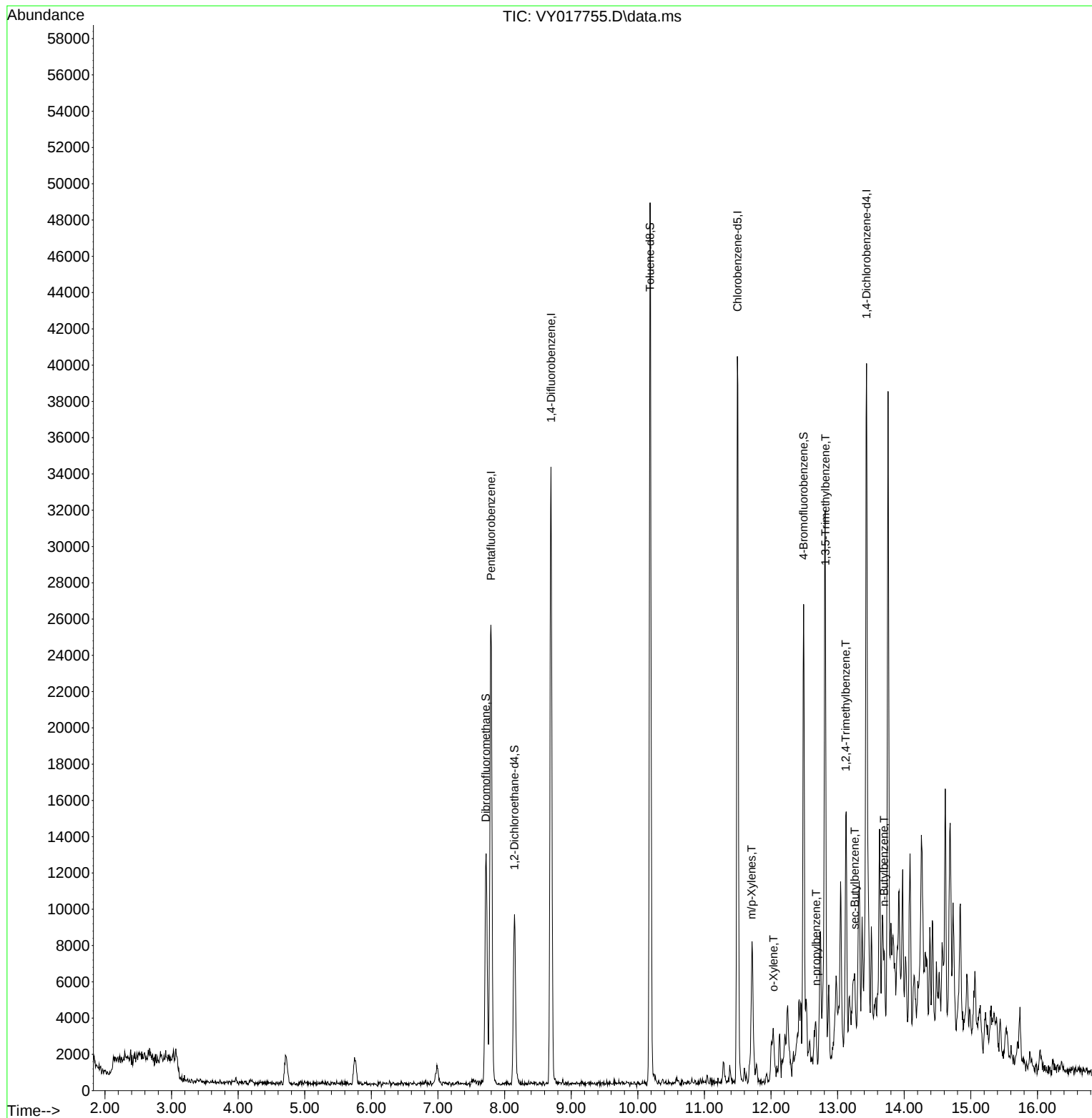
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 21768    | 50.000   | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 30456    | 50.000   | ug/l   | -0.01    |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 23588    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 8536     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 7424     | 39.148   | ug/l   | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 78.300%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 9310     | 51.139   | ug/l   | -0.02    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 102.280% |
| 50) Toluene-d8              | 10.185 | 98    | 32919    | 47.246   | ug/l   | -0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 94.500%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 7856     | 37.548   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 75.100%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 68) m/p-Xylenes             | 11.709 | 106   | 1037     | 3.065    | ug/l   | 99       |
| 69) o-Xylene                | 12.038 | 106   | 647      | 2.095    | ug/l   | 98       |
| 78) n-propylbenzene         | 12.678 | 91    | 1924     | 2.466    | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 12.818 | 105   | 2169     | 4.299    | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.123 | 105   | 7132     | 14.418   | ug/l   | 99       |
| 85) sec-Butylbenzene        | 13.257 | 105   | 1273     | 1.860    | ug/l   | 96       |
| 89) n-Butylbenzene          | 13.696 | 91    | 1475     | 2.869    | ug/l # | 70       |
| -----                       |        |       |          |          |        |          |

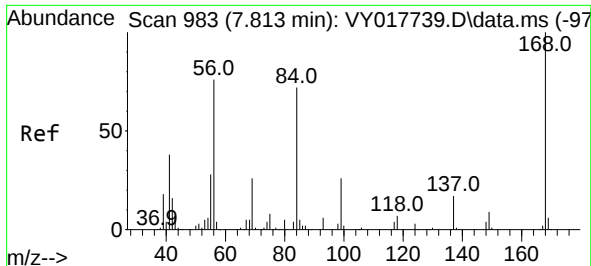
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
Quant Title : SW846 8260  
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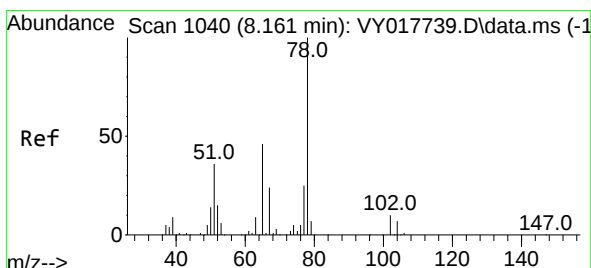
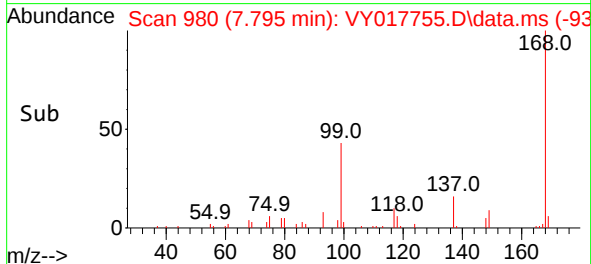
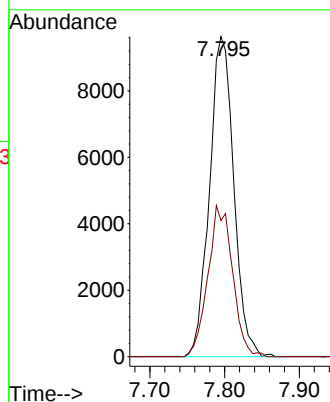
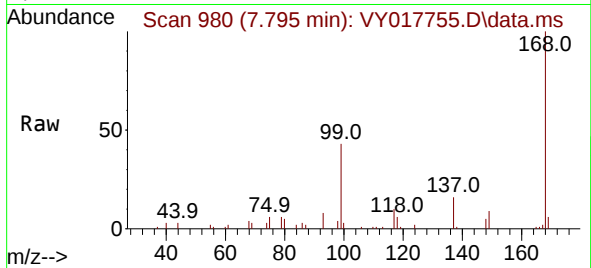




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VY017755.D  
Acq: 25 Mar 2024 17:11

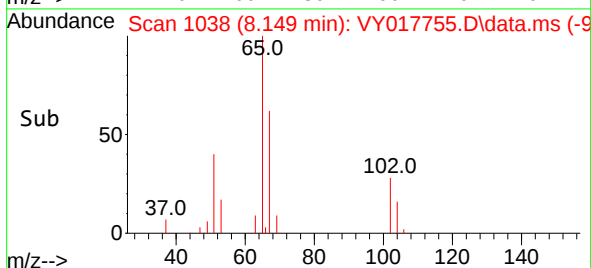
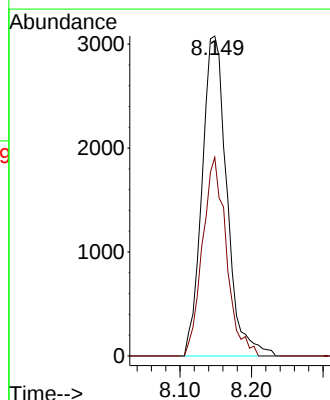
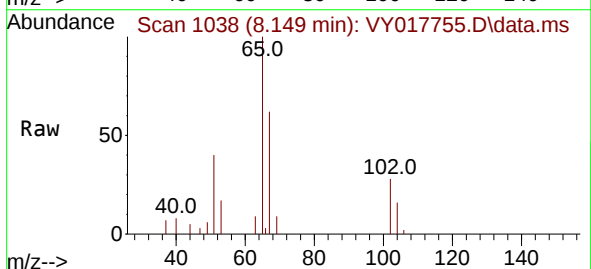
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-03252024RE

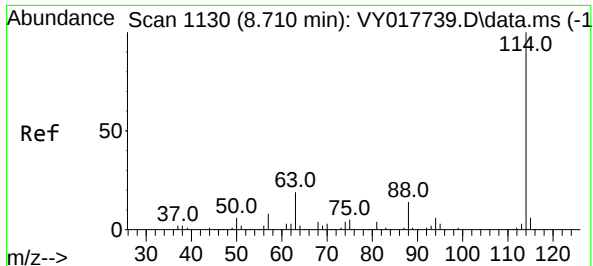
Tgt Ion:168 Resp: 21768  
Ion Ratio Lower Upper  
168 100  
99 42.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 39.148 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.012 min  
Lab File: VY017755.D  
Acq: 25 Mar 2024 17:11

Tgt Ion: 65 Resp: 7424  
Ion Ratio Lower Upper  
65 100  
67 59.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VY017755.D

Acq: 25 Mar 2024 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

HD-02-03252024RE

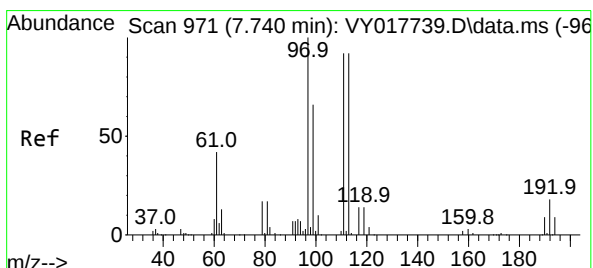
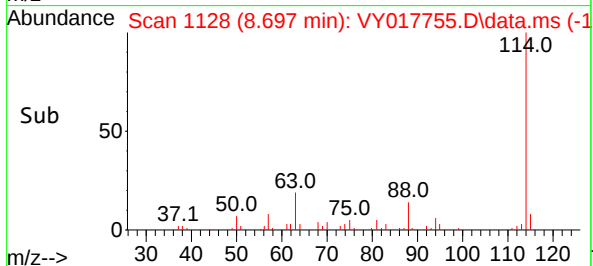
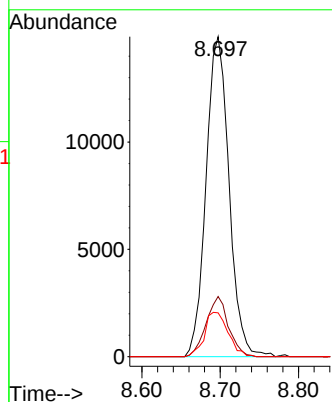
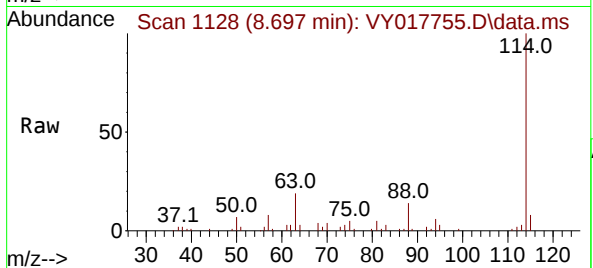
Tgt Ion:114 Resp: 30456

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.139 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.024 min

Lab File: VY017755.D

Acq: 25 Mar 2024 17:11

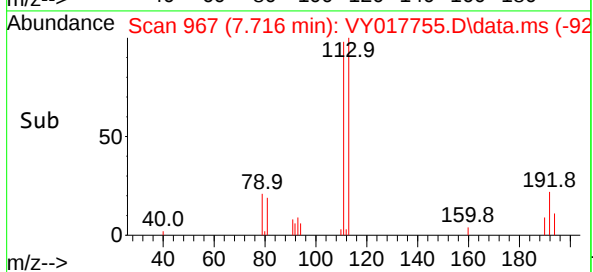
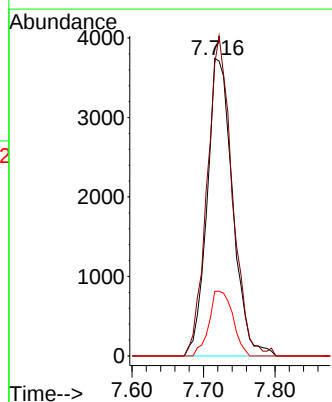
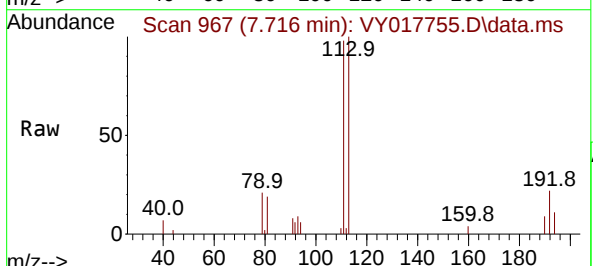
Tgt Ion:113 Resp: 9310

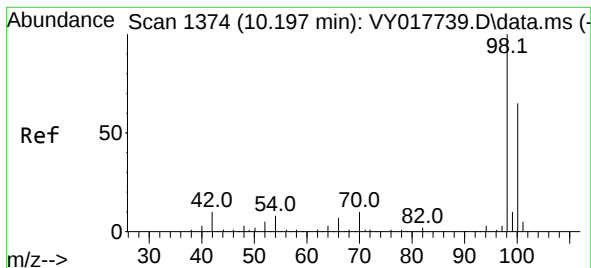
Ion Ratio Lower Upper

113 100

111 105.5 82.2 123.4

192 20.2 15.9 23.9





#50

Toluene-d8

Concen: 47.246 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017755.D

Acq: 25 Mar 2024 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

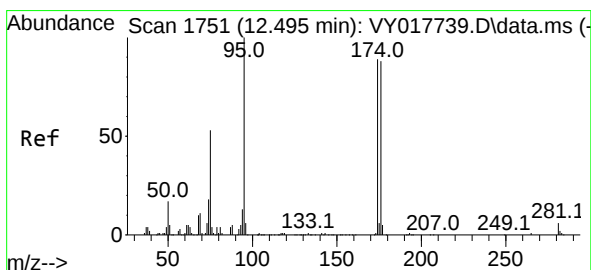
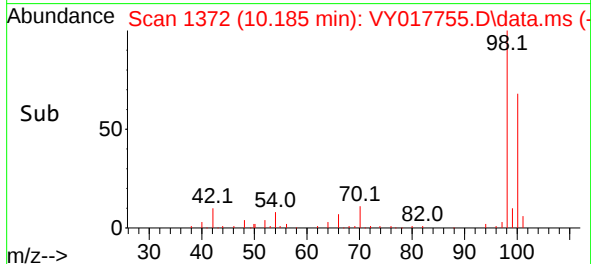
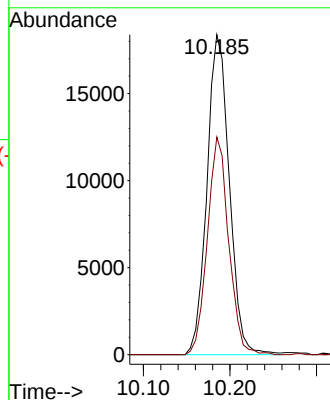
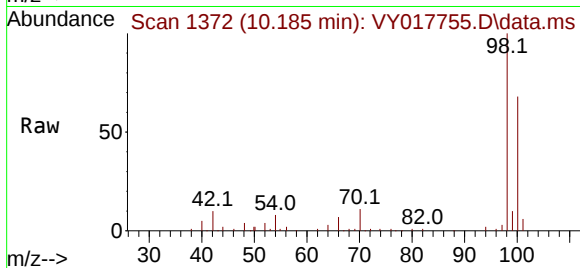
HD-02-03252024RE

Tgt Ion: 98 Resp: 32919

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 37.548 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.006 min

Lab File: VY017755.D

Acq: 25 Mar 2024 17:11

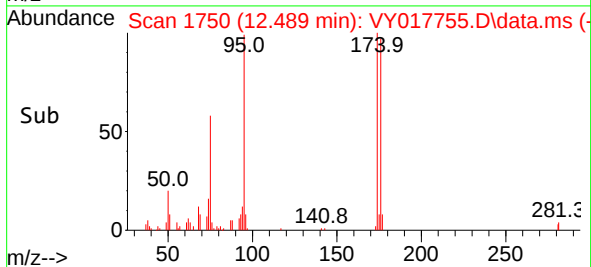
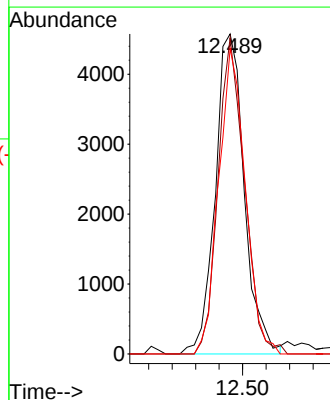
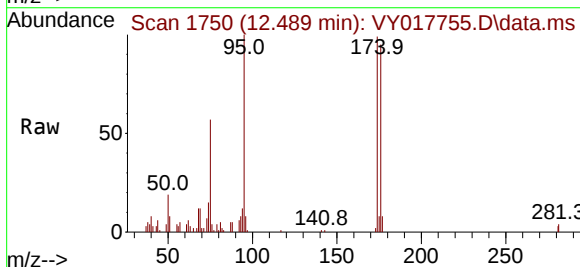
Tgt Ion: 95 Resp: 7856

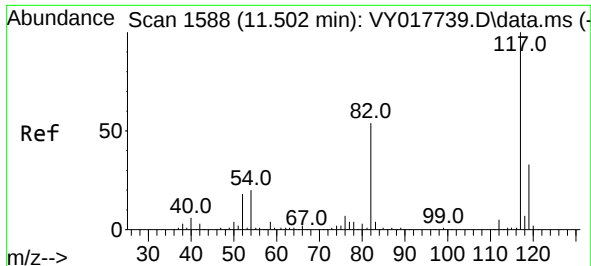
Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.6

176 87.9 0.0 171.4

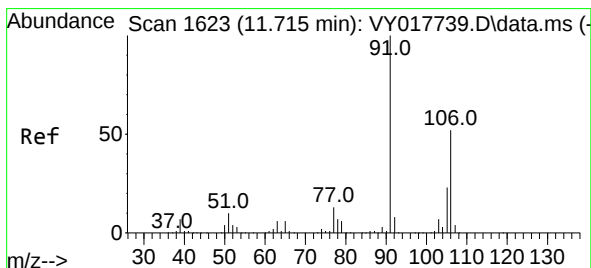
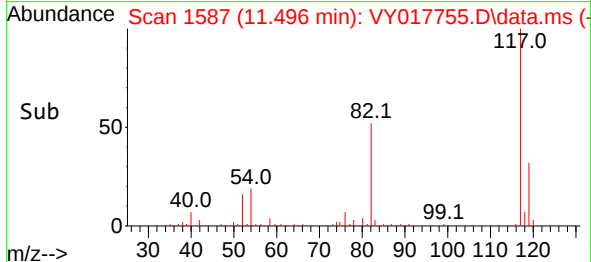
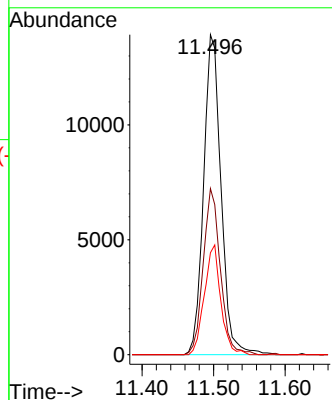
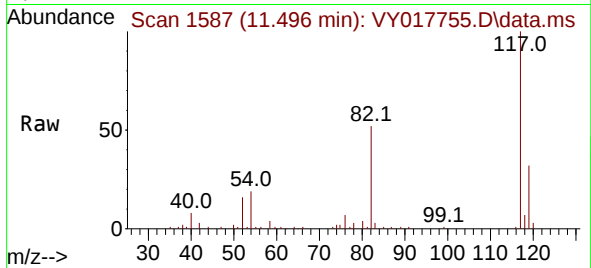




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VY017755.D  
Acq: 25 Mar 2024 17:11

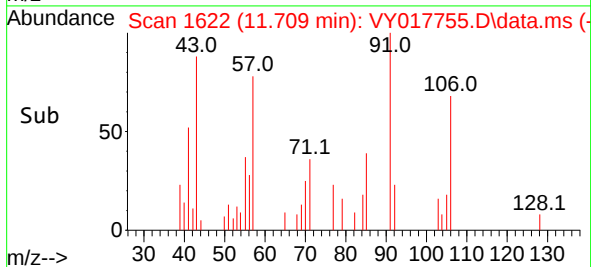
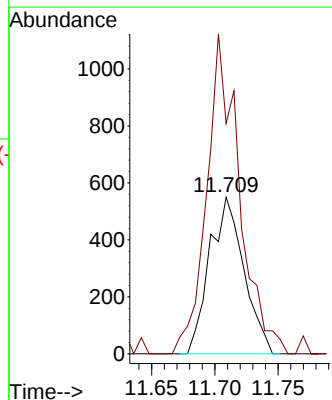
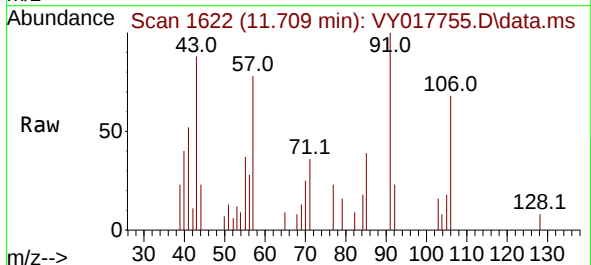
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-03252024RE

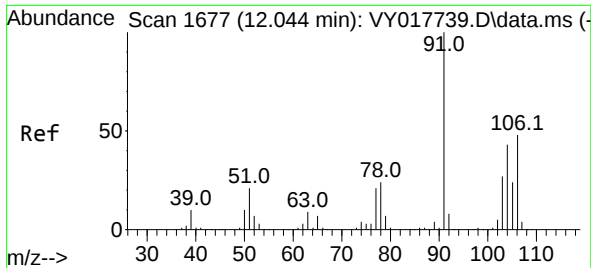
Tgt Ion:117 Resp: 23588  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.4 63.6  
119 31.8 25.9 38.9



#68  
m/p-Xylenes  
Concen: 3.065 ug/l  
RT: 11.709 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: VY017755.D  
Acq: 25 Mar 2024 17:11

Tgt Ion:106 Resp: 1037  
Ion Ratio Lower Upper  
106 100  
91 193.9 156.0 234.0

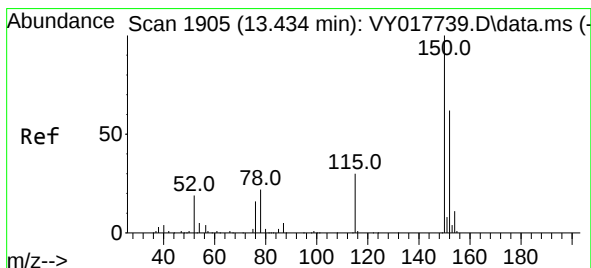
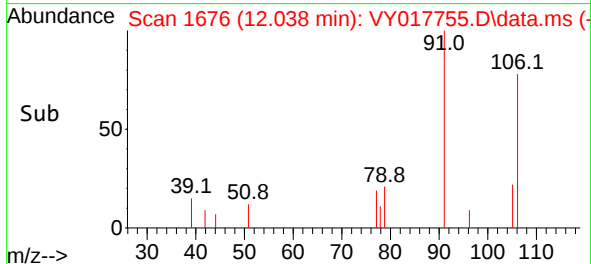
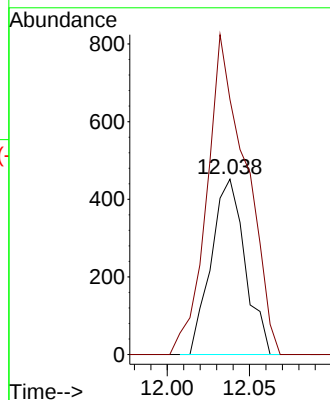
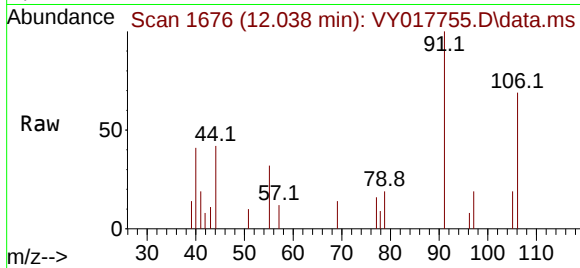




#69  
o-Xylene  
Concen: 2.095 ug/l  
RT: 12.038 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VY017755.D  
Acq: 25 Mar 2024 17:11

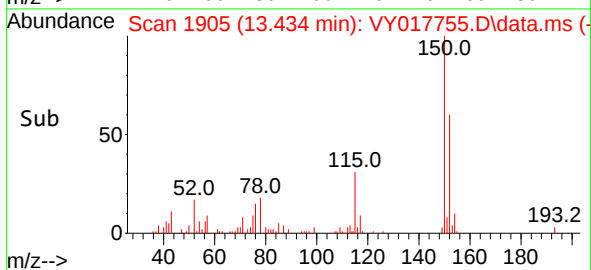
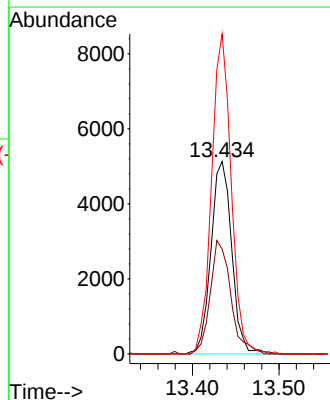
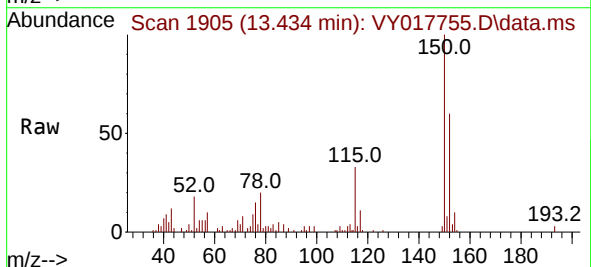
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-03252024RE

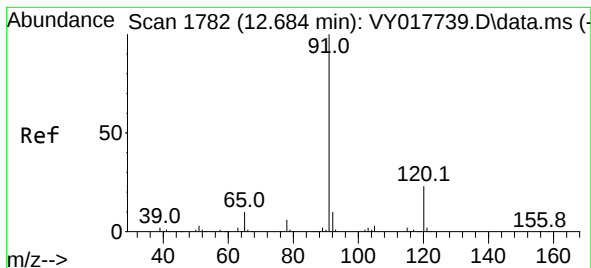
Tgt Ion:106 Resp: 647  
Ion Ratio Lower Upper  
106 100  
91 210.4 103.6 310.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY017755.D  
Acq: 25 Mar 2024 17:11

Tgt Ion:152 Resp: 8536  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.2 84.7  
150 157.0 0.0 345.6





#78

n-propylbenzene

Concen: 2.466 ug/l

RT: 12.678 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017755.D

Acq: 25 Mar 2024 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

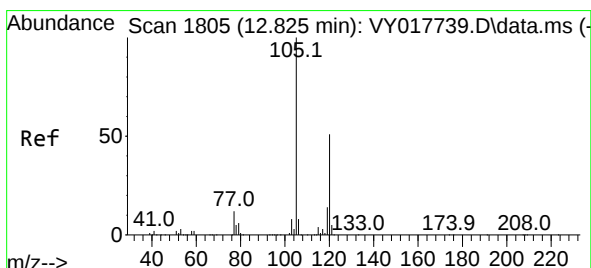
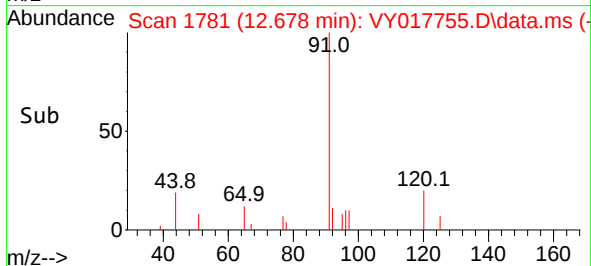
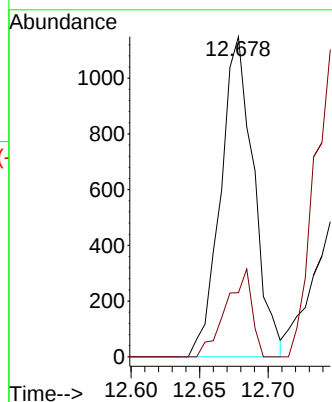
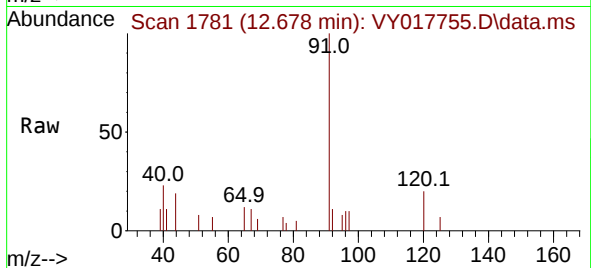
HD-02-03252024RE

Tgt Ion: 91 Resp: 1924

Ion Ratio Lower Upper

91 100

120 21.4 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 4.299 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY017755.D

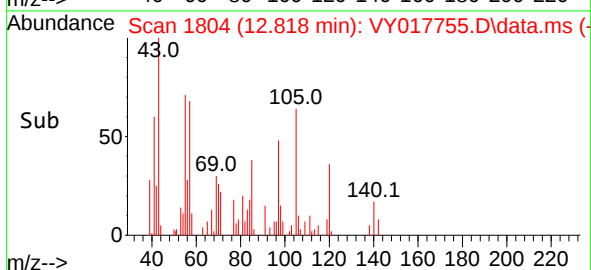
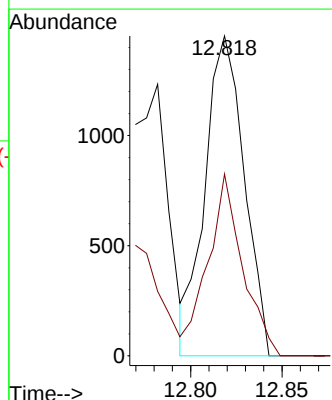
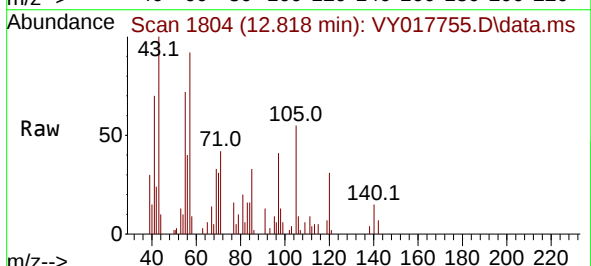
Acq: 25 Mar 2024 17:11

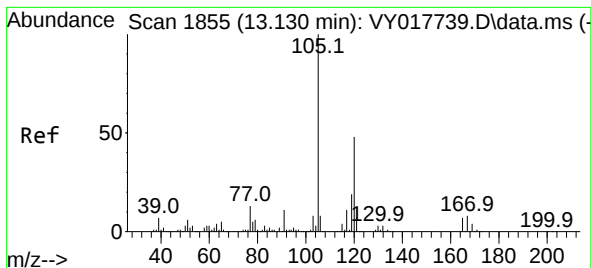
Tgt Ion:105 Resp: 2169

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 14.418 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017755.D

Acq: 25 Mar 2024 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

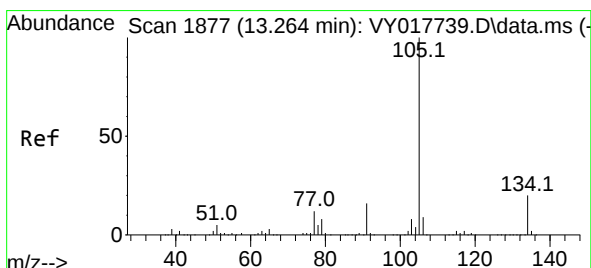
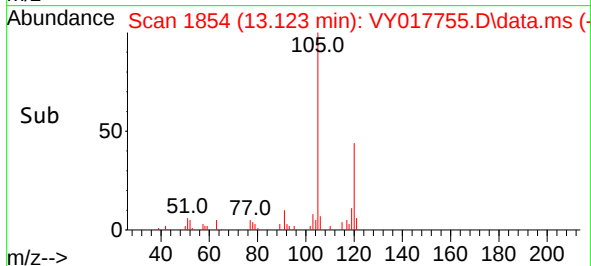
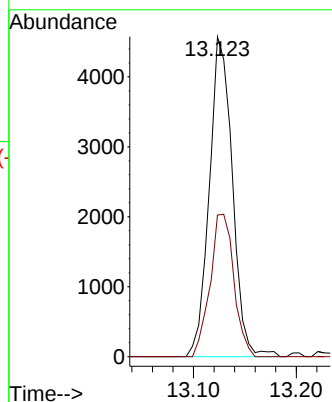
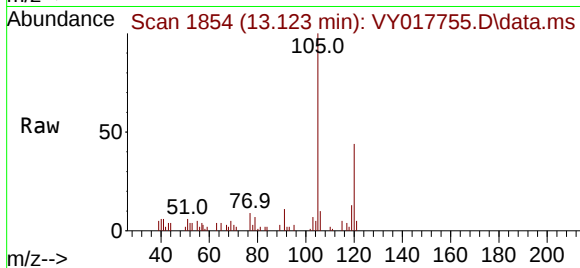
HD-02-03252024RE

Tgt Ion:105 Resp: 7132

Ion Ratio Lower Upper

105 100

120 45.8 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.860 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. -0.006 min

Lab File: VY017755.D

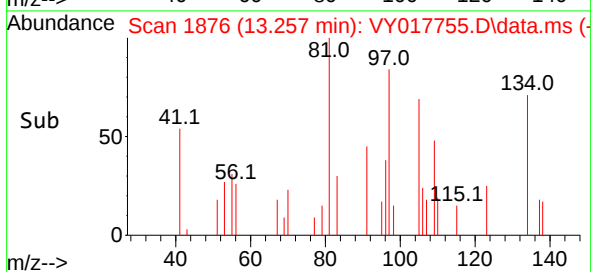
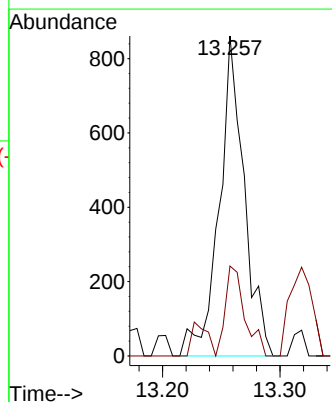
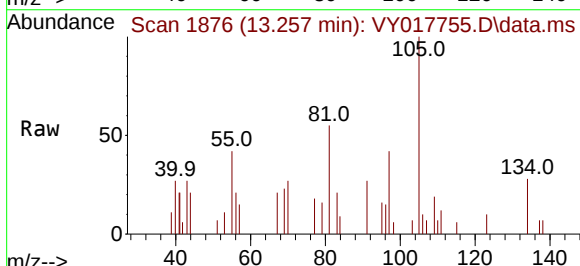
Acq: 25 Mar 2024 17:11

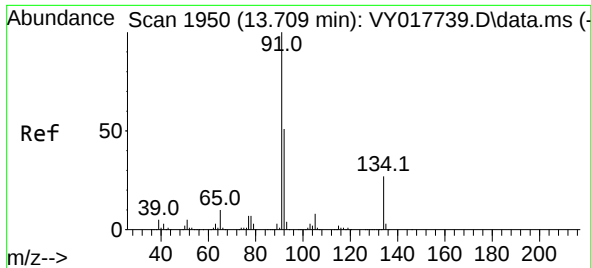
Tgt Ion:105 Resp: 1273

Ion Ratio Lower Upper

105 100

134 22.0 10.1 30.1





#89

n-Butylbenzene

Concen: 2.869 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.012 min

Lab File: VY017755.D

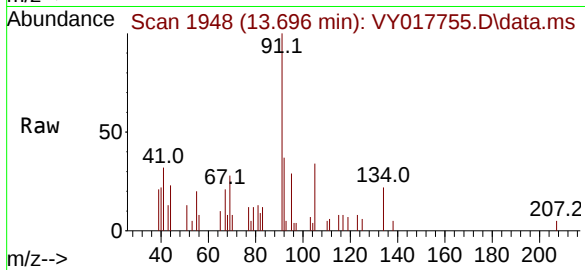
Acq: 25 Mar 2024 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

HD-02-03252024RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 1475  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 67.5  | 26.6  | 79.7  |
| 134      | 0.0   | 12.9  | 38.7# |

