

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032425\  
 Data File : VY021623.D  
 Acq On : 24 Mar 2025 17:12  
 Operator : SY/MD  
 Sample : Q1634-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-01-032425

Quant Time: Mar 25 01:32:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

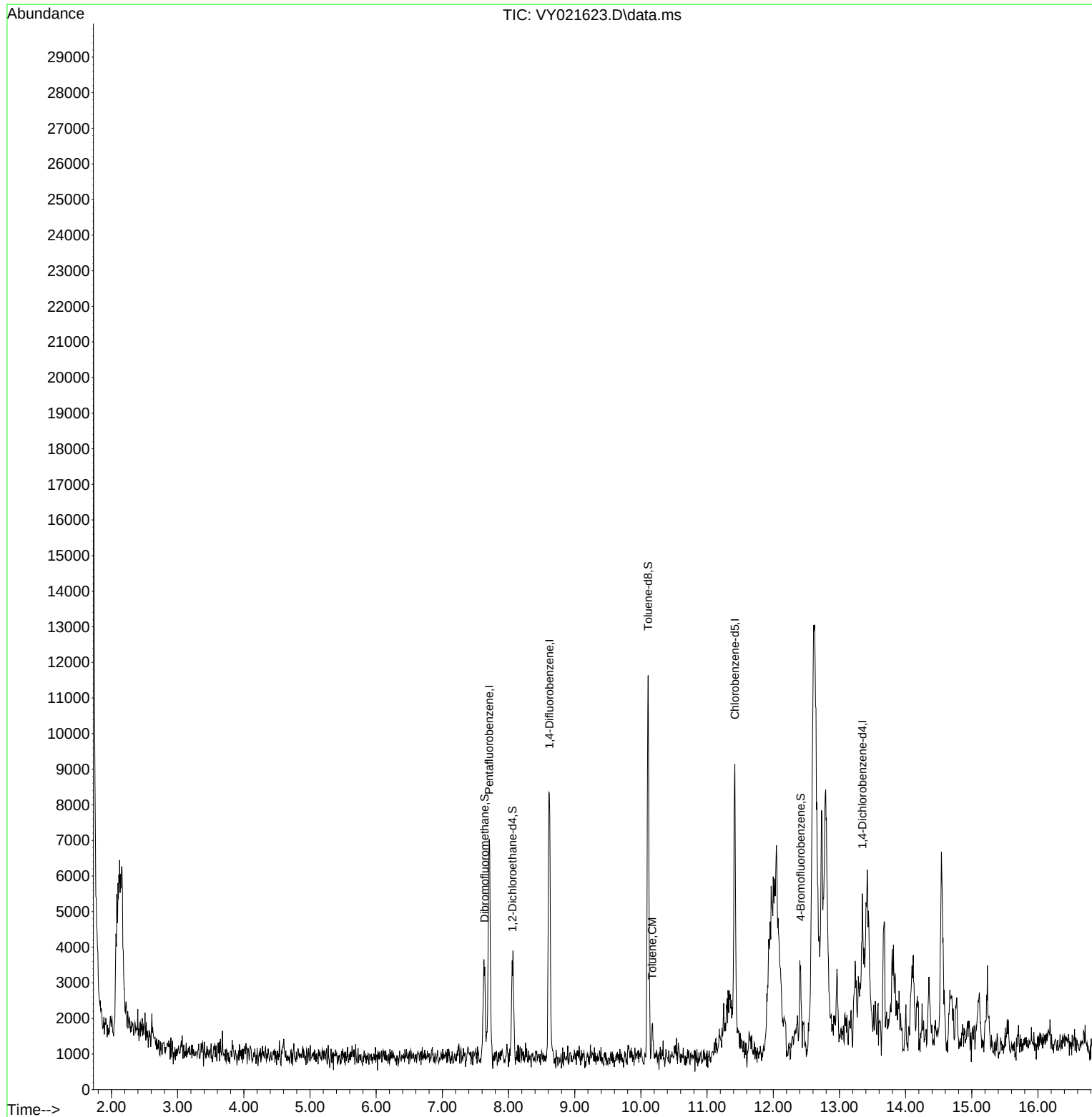
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 4679     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 6736     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 3954     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 666      | 50.000   | ug/l  | # 0.00   |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 2251     | 45.517   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 91.040%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 1953     | 44.109   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 88.220%  |
| 50) Toluene-d8              | 10.109 | 98    | 7605     | 45.364   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 90.720%  |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 868      | 15.221   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 30.440%  |
| Target Compounds            |        |       |          |          |       |          |
| 52) Toluene                 | 10.170 | 92    | 356      | 2.766    | ug/l  | # 74     |
| -----                       |        |       |          |          |       |          |

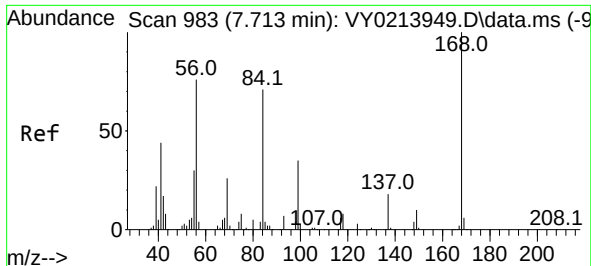
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

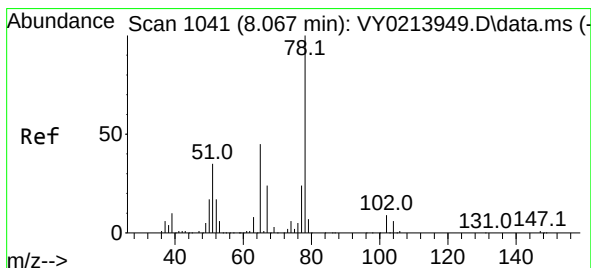
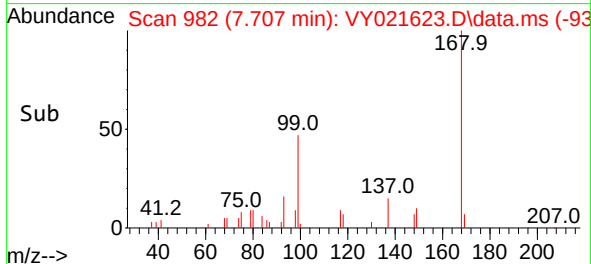
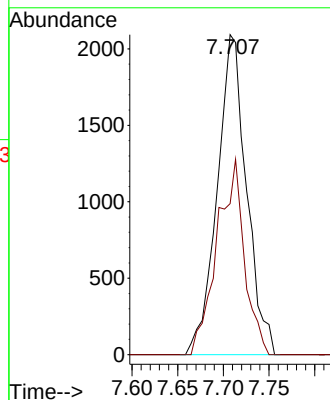
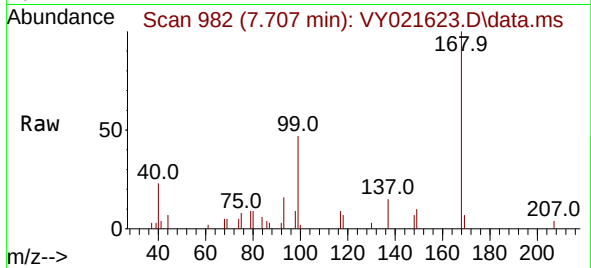




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021623.D  
Acq: 24 Mar 2025 17:12

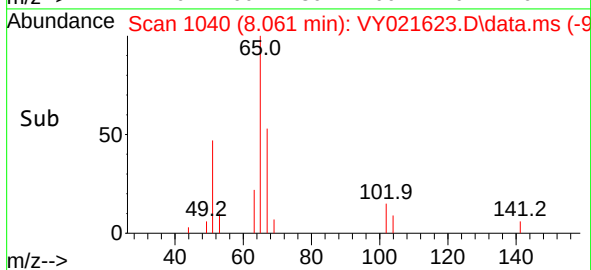
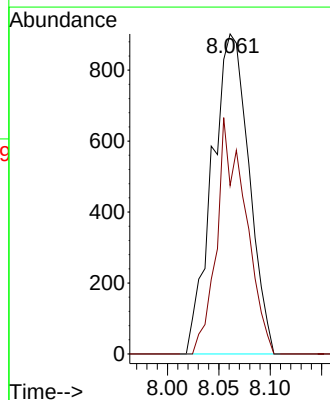
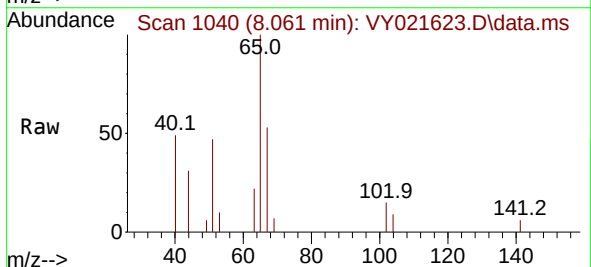
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-032425

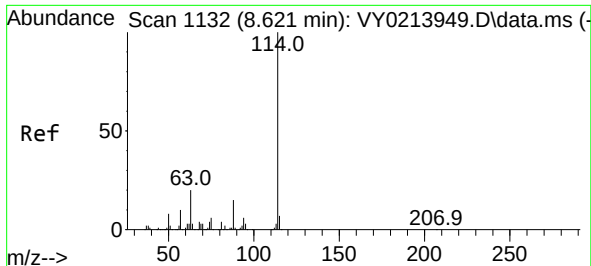
Tgt Ion:168 Resp: 4679  
Ion Ratio Lower Upper  
168 100  
99 47.2 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 45.517 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021623.D  
Acq: 24 Mar 2025 17:12

Tgt Ion: 65 Resp: 2251  
Ion Ratio Lower Upper  
65 100  
67 57.5 0.0 102.8

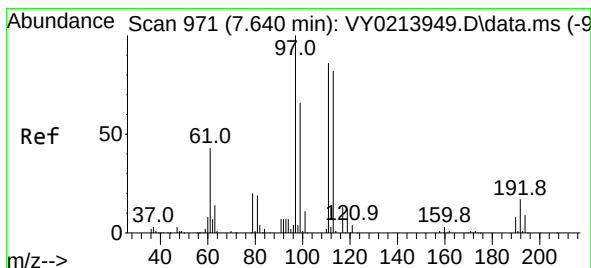
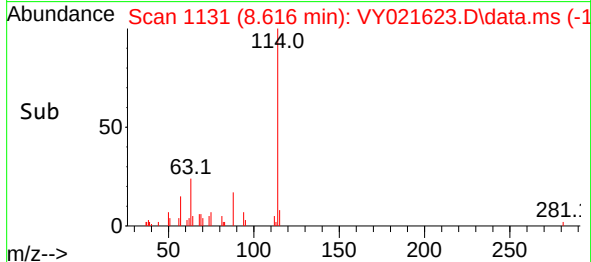
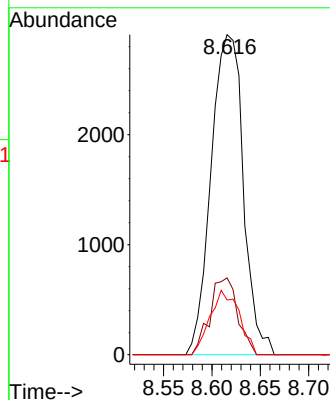
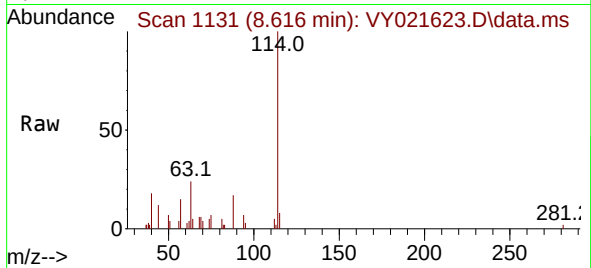




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY021623.D  
Acq: 24 Mar 2025 17:12

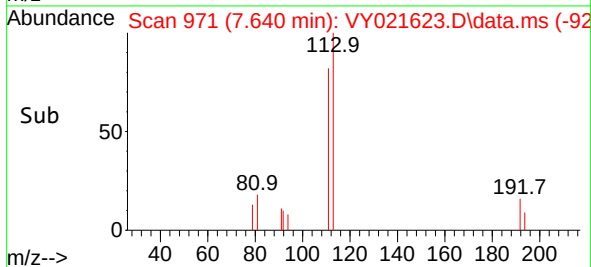
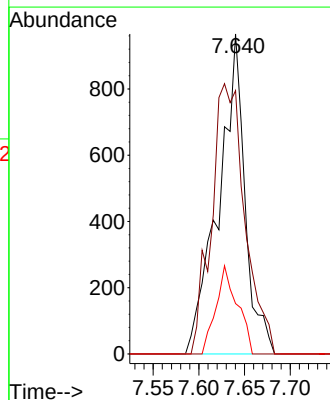
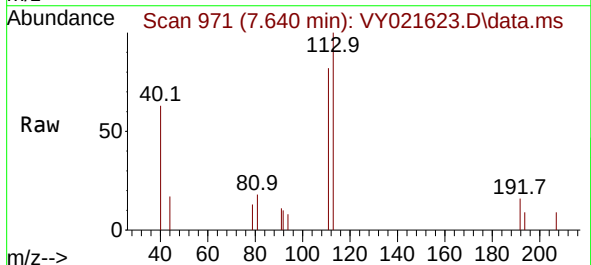
Instrument :  
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ClientSampleId :  
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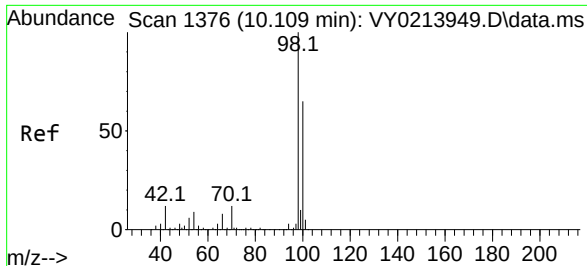
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 6736        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 24.0  | 0.0 40.8    |
| 88          | 17.1  | 0.0 30.8    |



#35  
Dibromofluoromethane  
Concen: 44.109 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.000 min  
Lab File: VY021623.D  
Acq: 24 Mar 2025 17:12

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1953        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 106.3 | 82.0 123.0  |
| 192         | 22.2  | 15.9 23.9   |

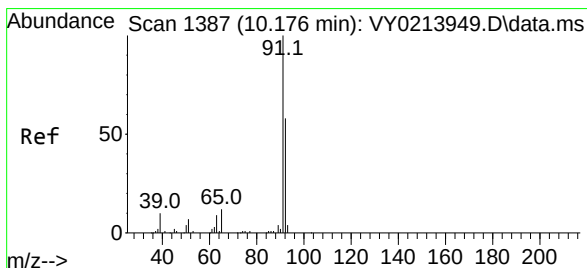
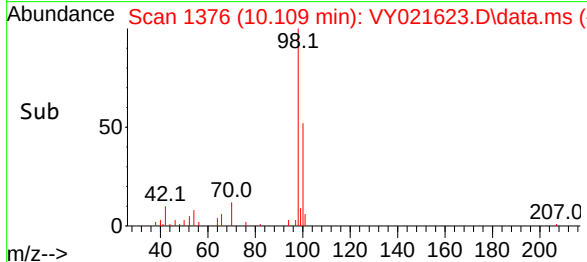
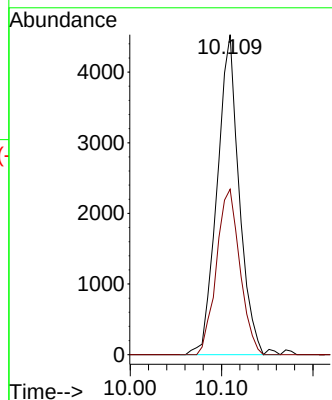
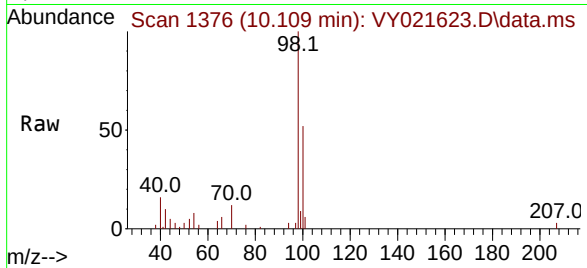




#50  
Toluene-d8  
Concen: 45.364 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021623.D  
Acq: 24 Mar 2025 17:12

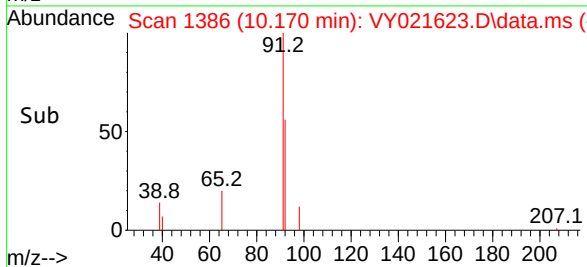
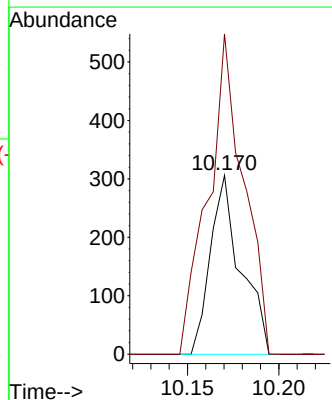
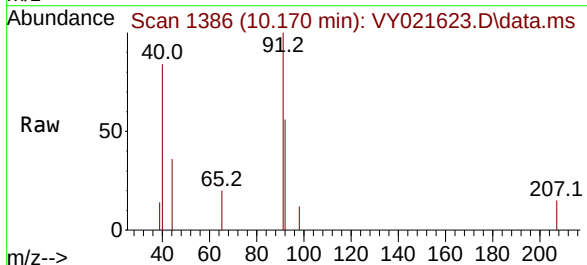
Instrument :  
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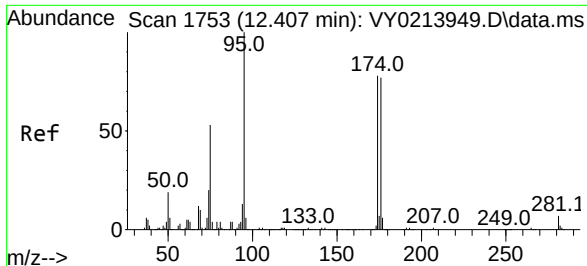
Tgt Ion: 98 Resp: 7605  
Ion Ratio Lower Upper  
98 100  
100 54.8 52.1 78.1



#52  
Toluene  
Concen: 2.766 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.006 min  
Lab File: VY021623.D  
Acq: 24 Mar 2025 17:12

Tgt Ion: 92 Resp: 356  
Ion Ratio Lower Upper  
92 100  
91 208.4 138.2 207.2#





#62

4-Bromofluorobenzene

Concen: 15.221 ug/l

RT: 12.414 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021623.D

Acq: 24 Mar 2025 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

HR-01-032425

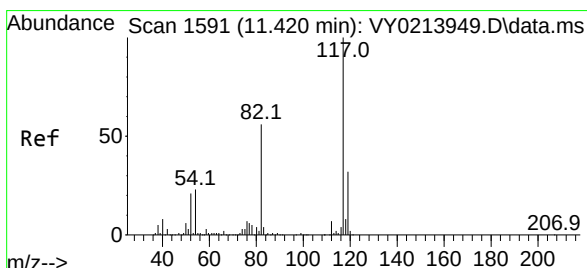
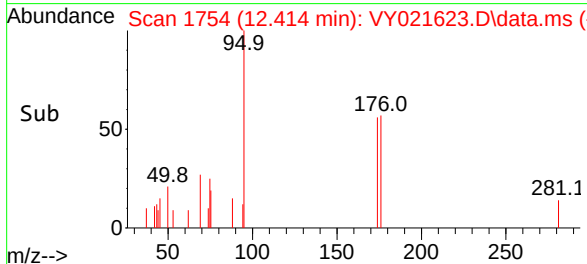
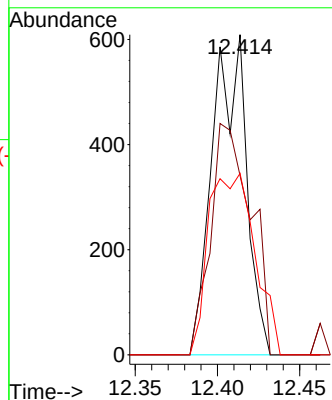
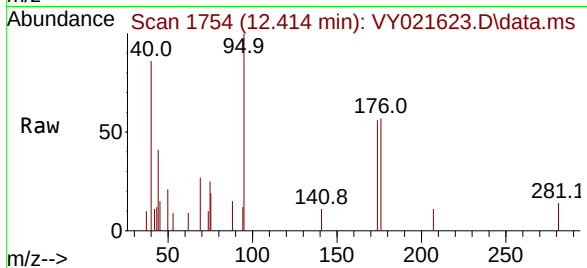
Tgt Ion: 95 Resp: 868

Ion Ratio Lower Upper

95 100

174 86.5 0.0 165.0

176 78.3 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021623.D

Acq: 24 Mar 2025 17:12

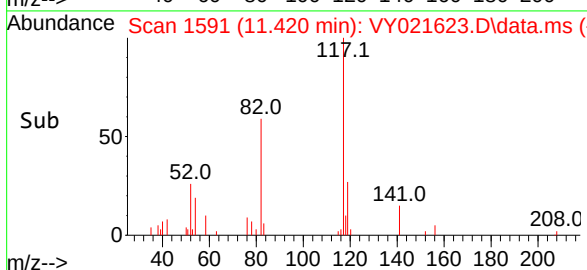
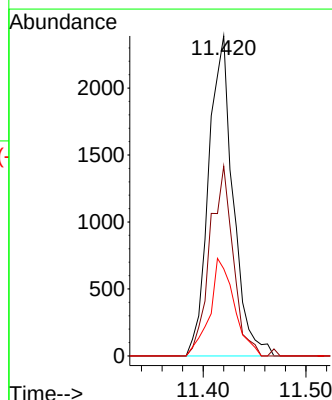
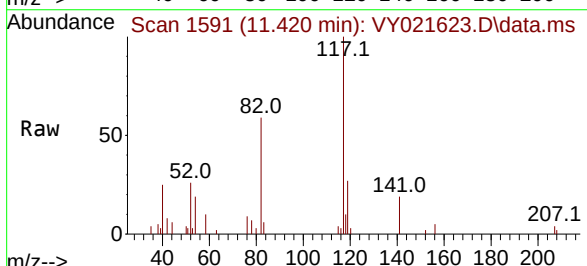
Tgt Ion: 117 Resp: 3954

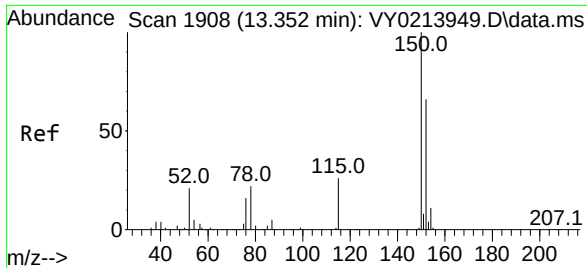
Ion Ratio Lower Upper

117 100

82 59.3 44.6 67.0

119 27.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021623.D

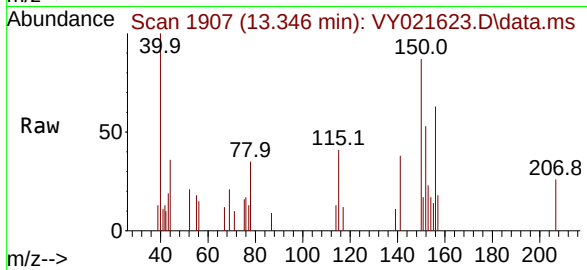
Acq: 24 Mar 2025 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

HR-01-032425



Tgt Ion:152 Resp: 666

Ion Ratio Lower Upper

152 100

115 96.4 29.0 87.0#

150 131.7 0.0 347.2

