

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060225\  
 Data File : VY022504.D  
 Acq On : 02 Jun 2025 17:57  
 Operator : SY/MD  
 Sample : Q2153-01RE  
 Misc : 6.34g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-0592025RE

Quant Time: Jun 03 04:09:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 9378     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.622  | 114   | 14766    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 8115     | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 1136     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 4328     | 41.263   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 82.520%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 2846     | 32.291   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 64.580%  |
| 50) Toluene-d8              | 10.109 | 98    | 16023    | 44.993   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 89.980%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 2007     | 18.915   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 37.820%  |

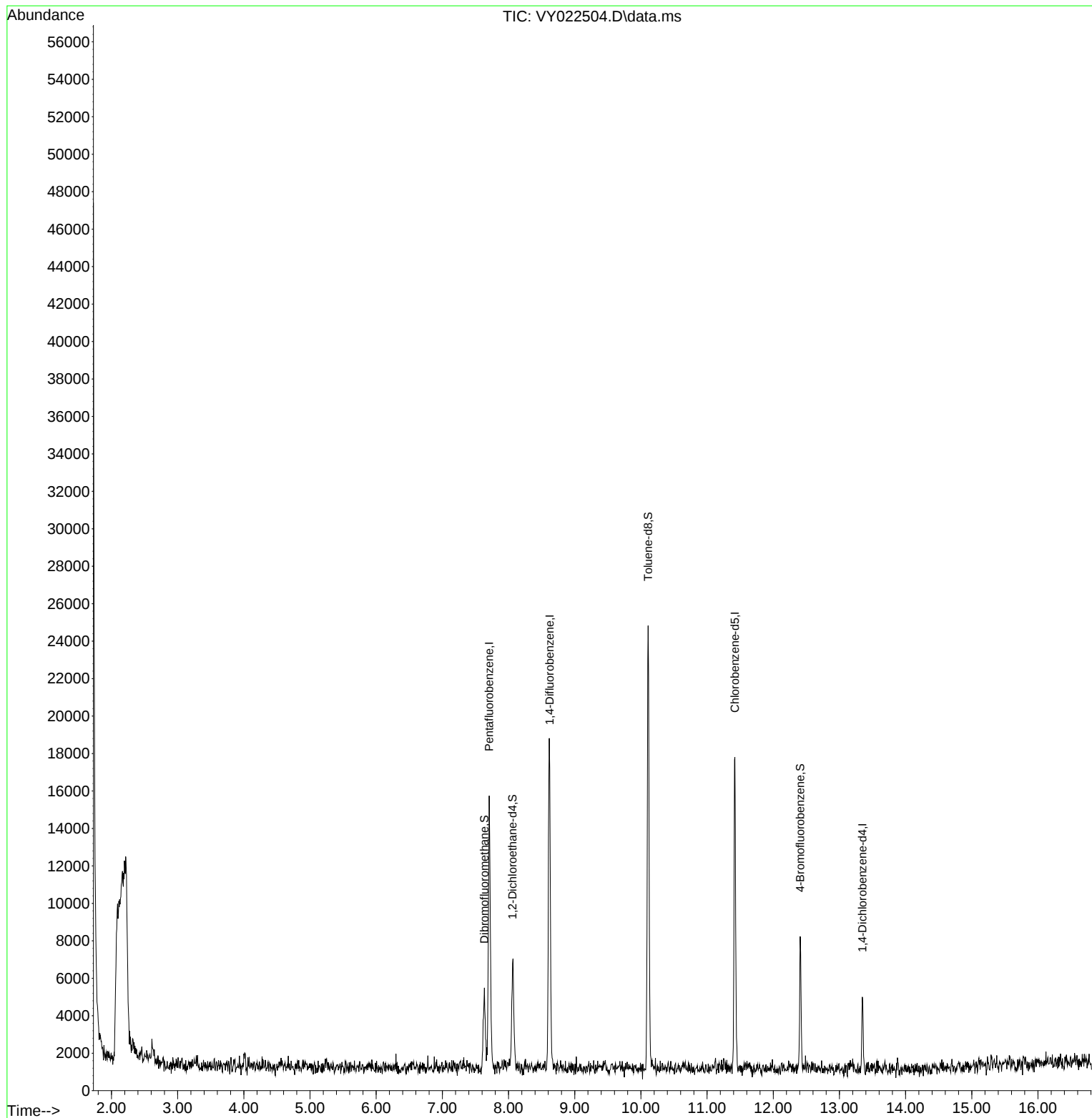
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

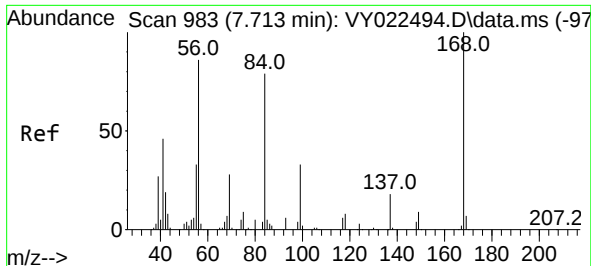
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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TR-04-0592025RE

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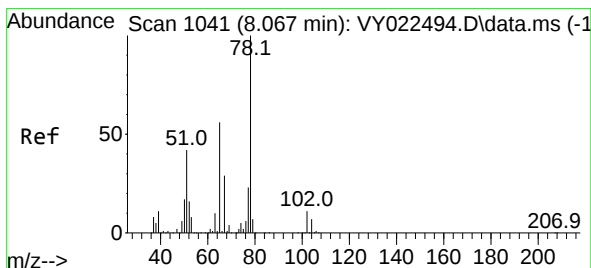
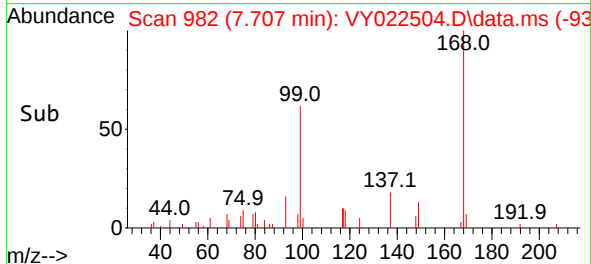
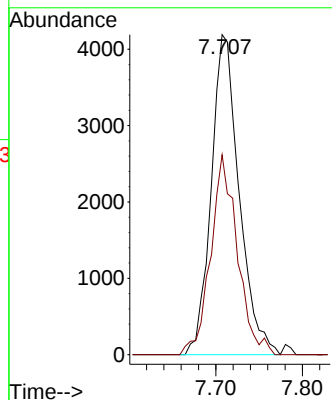
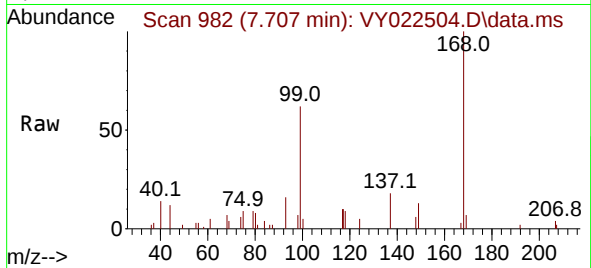




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022504.D  
Acq: 02 Jun 2025 17:57

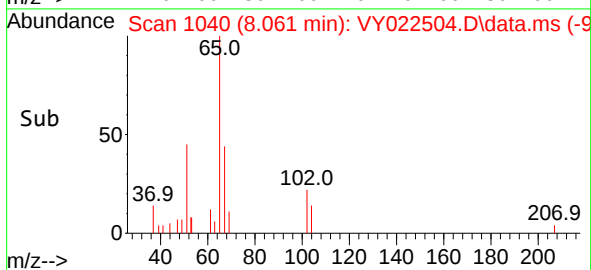
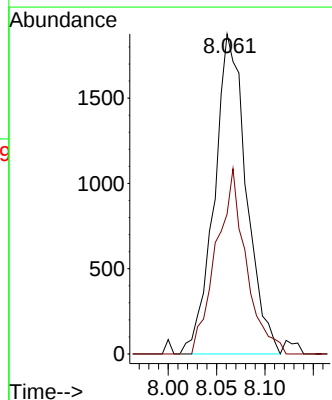
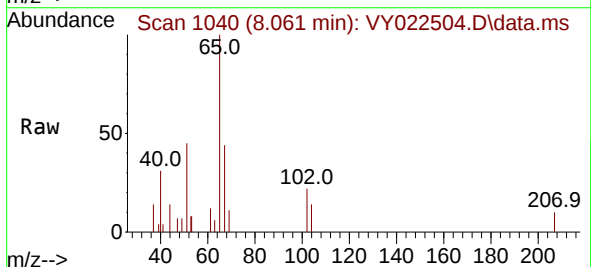
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-0592025RE

Tgt Ion:168 Resp: 9378  
Ion Ratio Lower Upper  
168 100  
99 62.5 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 41.263 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022504.D  
Acq: 02 Jun 2025 17:57

Tgt Ion: 65 Resp: 4328  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 103.4

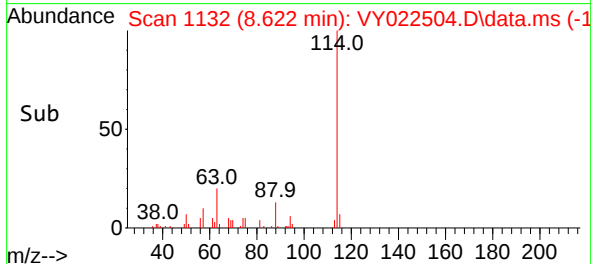
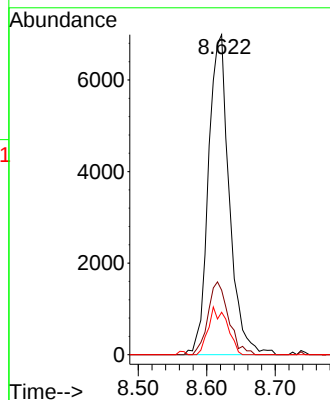
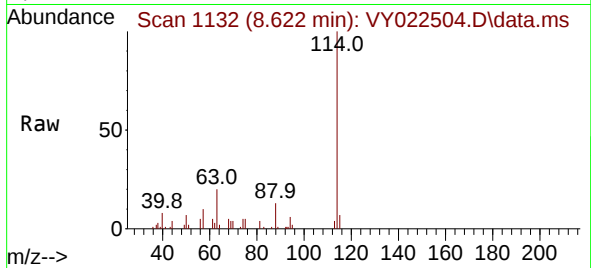




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.622 min Scan# 1131  
 Delta R.T. 0.006 min  
 Lab File: VY022504.D  
 Acq: 02 Jun 2025 17:57

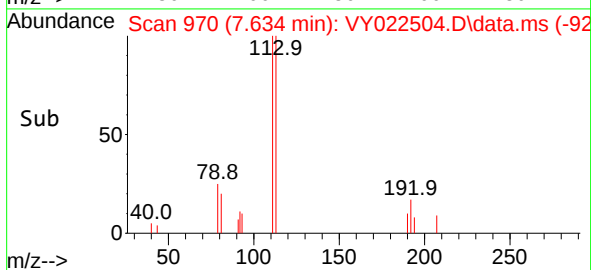
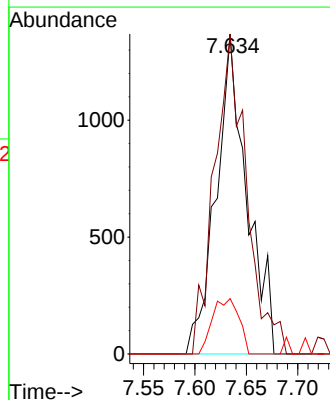
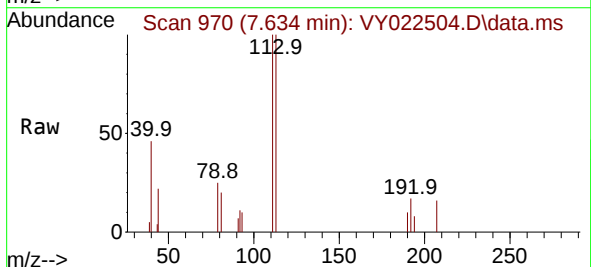
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-0592025RE

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 14766    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 20.1  | 0.0 40.8 |
| 88          | 13.2  | 0.0 27.8 |



#35  
 Dibromofluoromethane  
 Concen: 32.291 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. -0.006 min  
 Lab File: VY022504.D  
 Acq: 02 Jun 2025 17:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 2846       |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 104.5 | 81.1 121.7 |
| 192         | 15.0  | 14.2 21.2  |

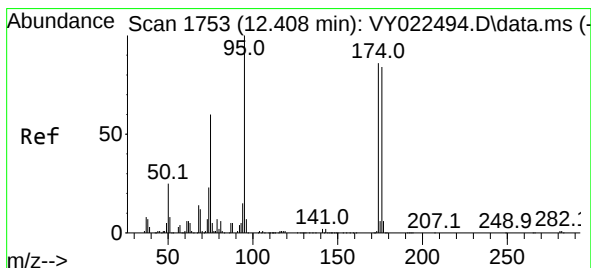
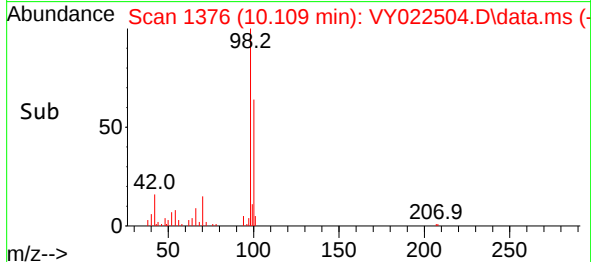
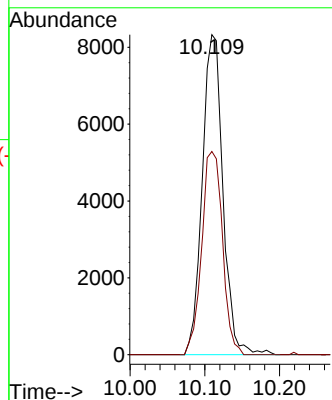
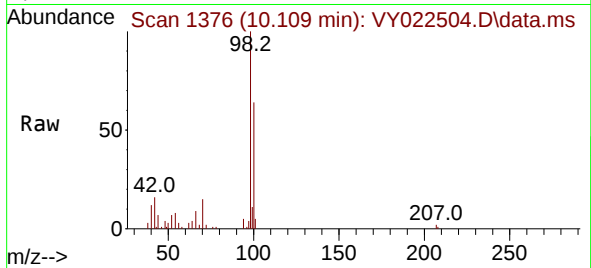




#50  
Toluene-d8  
Concen: 44.993 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022504.D  
Acq: 02 Jun 2025 17:57

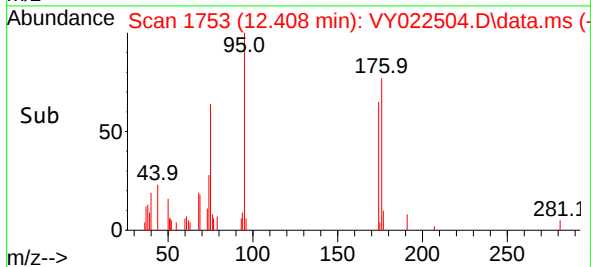
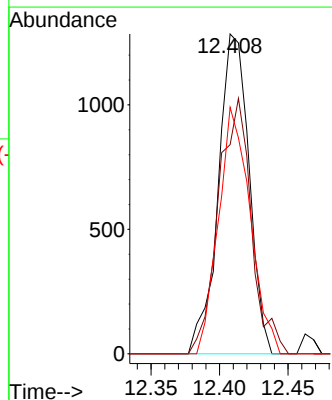
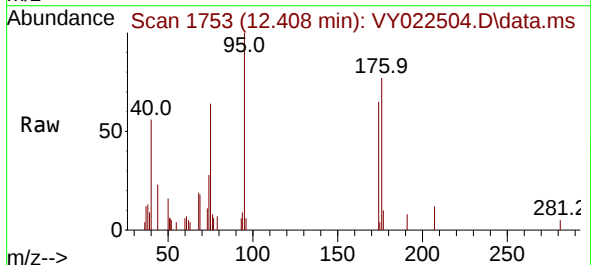
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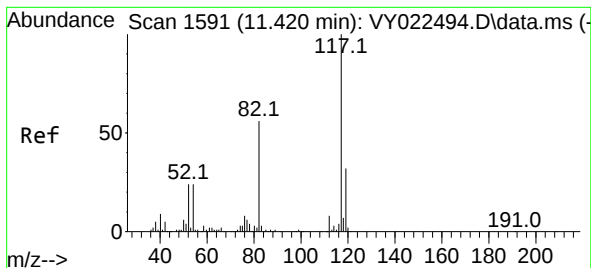
Tgt Ion: 98 Resp: 16023  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 18.915 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022504.D  
Acq: 02 Jun 2025 17:57

Tgt Ion: 95 Resp: 2007  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 170.0  
176 79.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022504.D

Acq: 02 Jun 2025 17:57

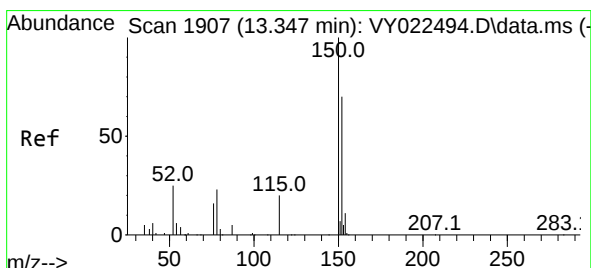
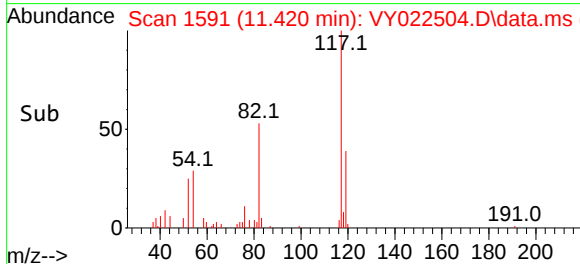
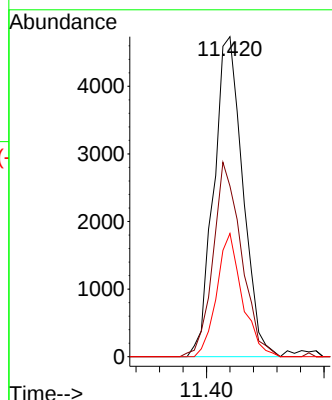
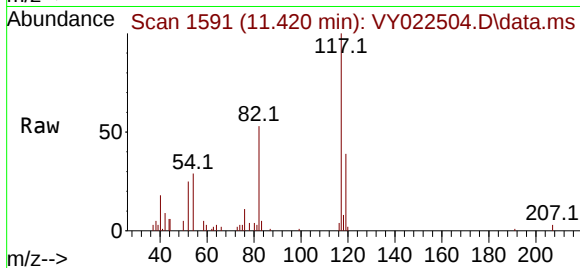
Instrument :

MSVOA\_Y

ClientSampleId :

TR-04-0592025RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 8115        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 53.3  | 44.6 66.8   |
| 119         | 38.5  | 25.4 38.0#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022504.D

Acq: 02 Jun 2025 17:57

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 1136        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 49.2  | 28.9 86.7   |
| 150         | 127.3 | 0.0 349.6   |

