

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012725\  
 Data File : VY020950.D  
 Acq On : 27 Jan 2025 16:01  
 Operator : SY/MD  
 Sample : Q1194-01RE  
 Misc : 7.98g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-110-SB01RE

Quant Time: Jan 28 01:14:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012425S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 25 01:12:18 2025  
 Response via : Initial Calibration

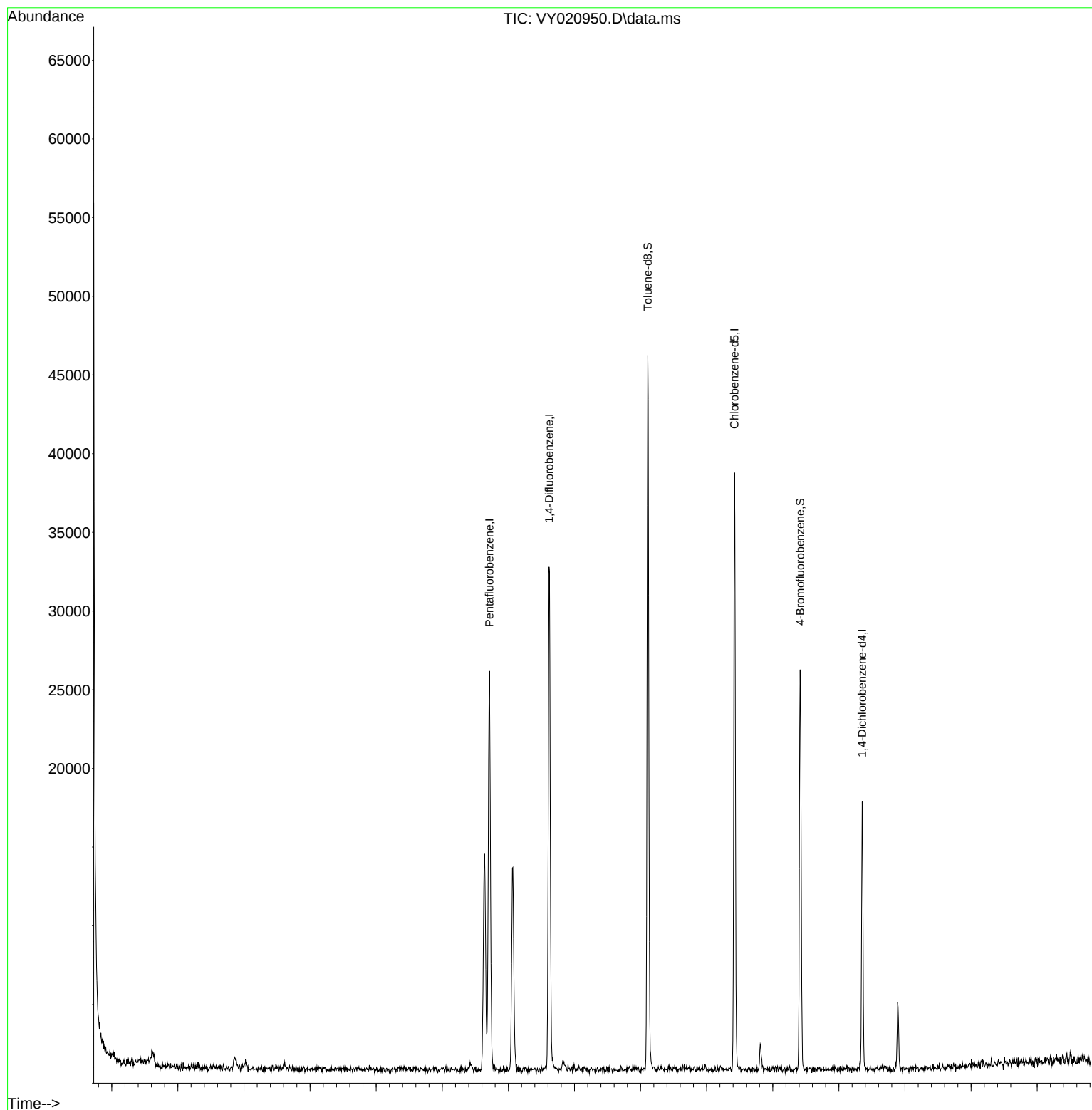
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.713  | 168   | 21135    | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 29996    | 50.000   | ug/l  | -0.01       |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 22466    | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 4581     | 50.000   | ug/l  | 0.00        |
|                             |        |       |          |          |       |             |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 10970    | 65.100   | ug/l  | -0.01       |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 130.200%    |
| 35) Dibromofluoromethane    | 7.640  | 113   | 10369    | 60.214   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 120.420%    |
| 50) Toluene-d8              | 10.109 | 98    | 32166    | 48.157   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 96.320%     |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 6970     | 31.355   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 62.700%     |
|                             |        |       |          |          |       |             |
| Target Compounds            |        |       |          |          |       |             |
| 16) Acetone                 | 3.879  | 43    | 1773     | 77.657   | ug/l  | Qvalue # 78 |
| -----                       |        |       |          |          |       |             |

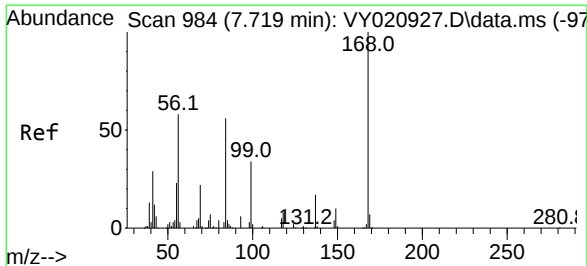
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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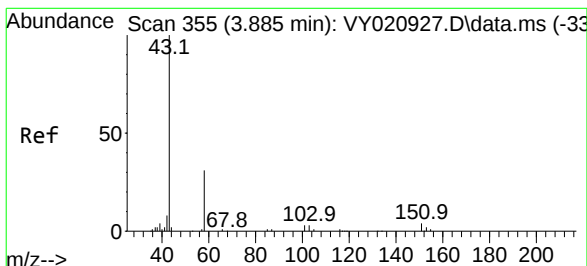
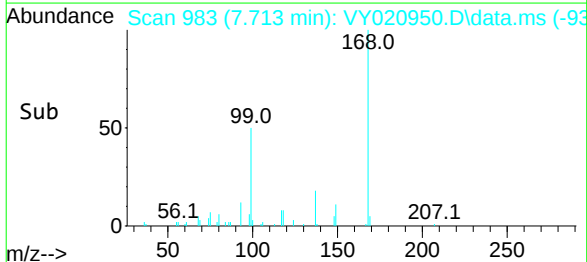
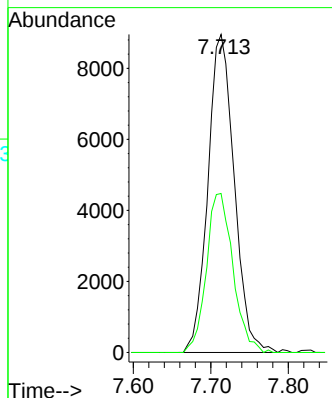
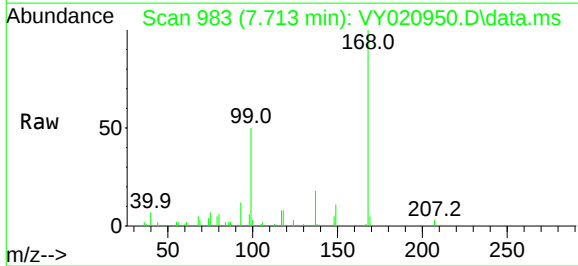




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VY020950.D  
Acq: 27 Jan 2025 16:01

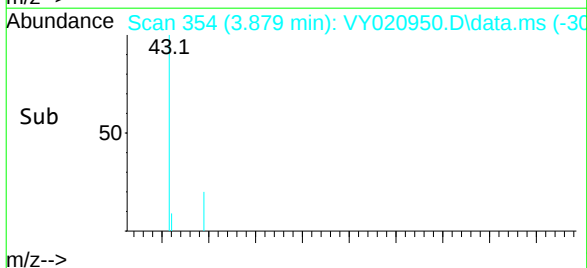
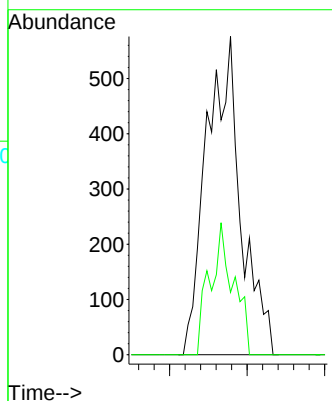
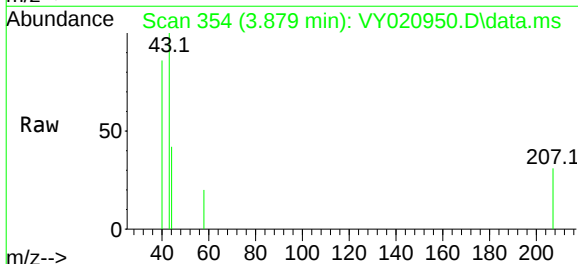
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-110-SB01RE

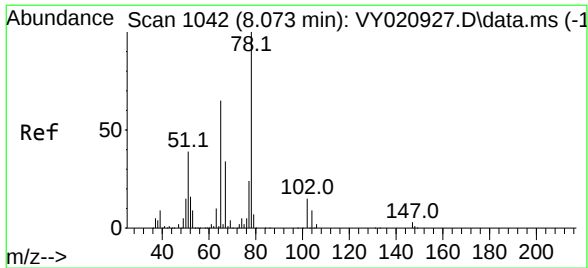
Tgt Ion: 168 Resp: 21135  
Ion Ratio Lower Upper  
168 100  
99 50.0 43.0 64.6



#16  
Acetone  
Concen: 77.657 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. -0.006 min  
Lab File: VY020950.D  
Acq: 27 Jan 2025 16:01

Tgt Ion: 43 Resp: 1773  
Ion Ratio Lower Upper  
43 100  
58 19.6 25.6 38.4#

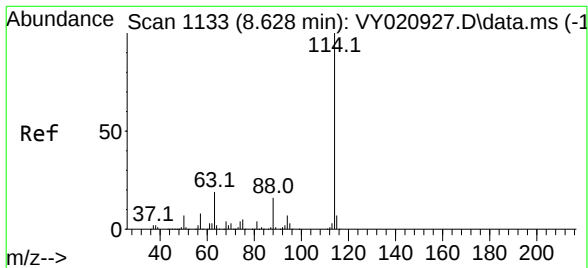
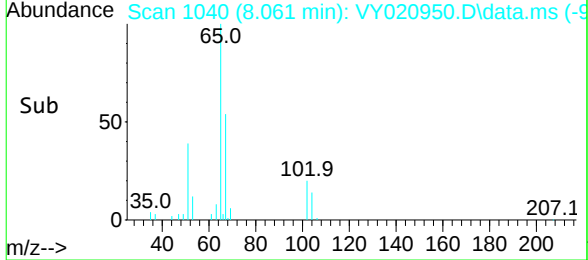
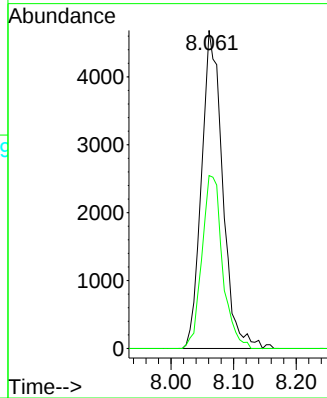
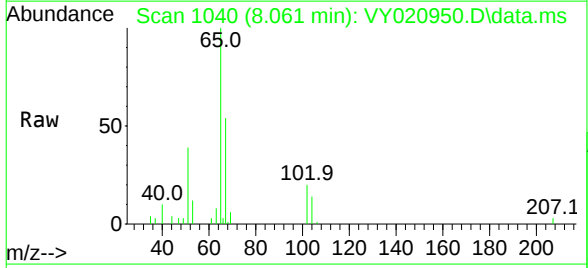




#33  
1,2-Dichloroethane-d4  
Concen: 65.100 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020950.D  
Acq: 27 Jan 2025 16:01

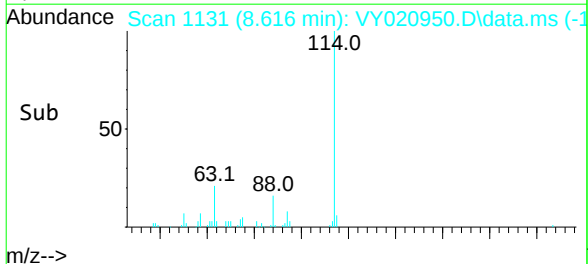
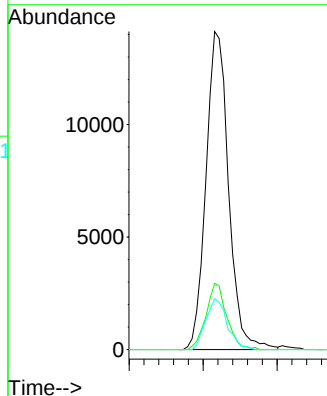
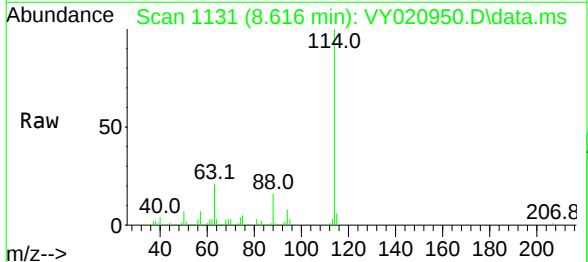
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-110-SB01RE

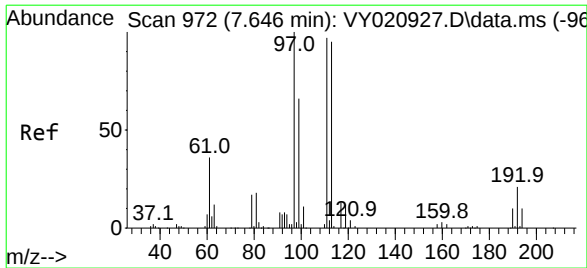
Tgt Ion: 65 Resp: 10970  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.012 min  
Lab File: VY020950.D  
Acq: 27 Jan 2025 16:01

Tgt Ion: 114 Resp: 29996  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 38.4  
88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 60.214 ug/l

RT: 7.640 min Scan# 97

Delta R.T. -0.006 min

Lab File: VY020950.D

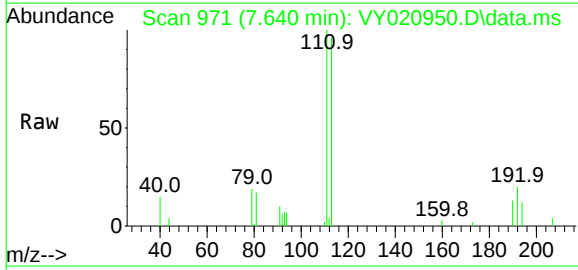
Acq: 27 Jan 2025 16:01

Instrument :

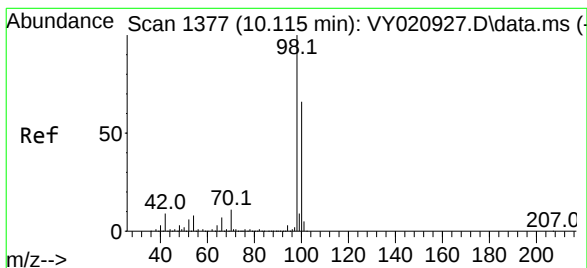
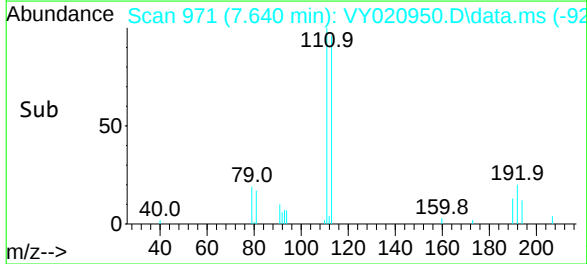
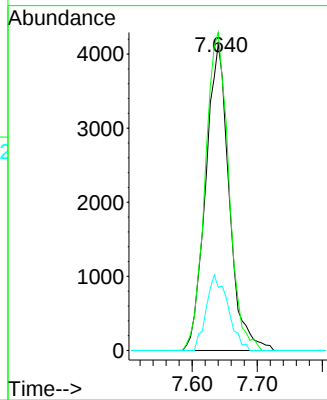
MSVOA\_Y

ClientSampleId :

B-110-SB01RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 10369 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.1 | 82.3  | 123.5 |
| 192      | 22.8  | 17.4  | 26.2  |



#50

Toluene-d8

Concen: 48.157 ug/l

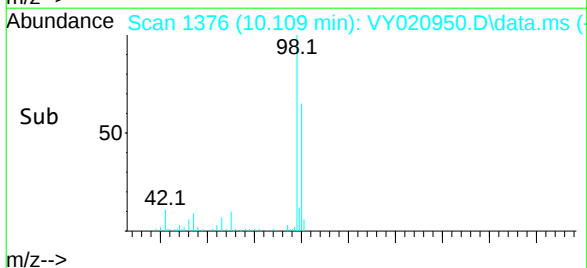
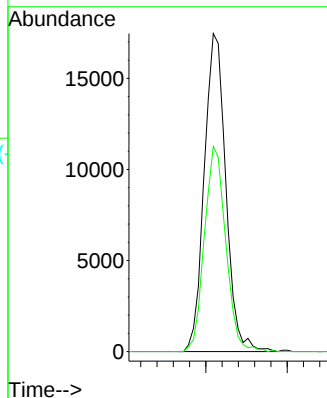
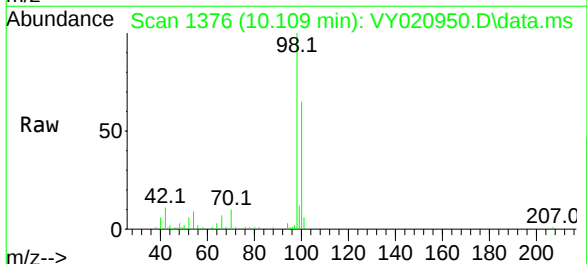
RT: 10.109 min Scan# 1376

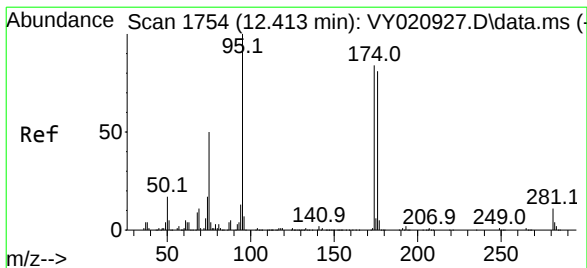
Delta R.T. -0.006 min

Lab File: VY020950.D

Acq: 27 Jan 2025 16:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 32166 |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 63.9  | 52.3  | 78.5  |





#62

4-Bromofluorobenzene

Concen: 31.355 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY020950.D

Acq: 27 Jan 2025 16:01

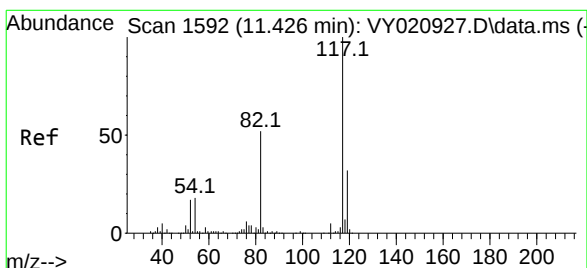
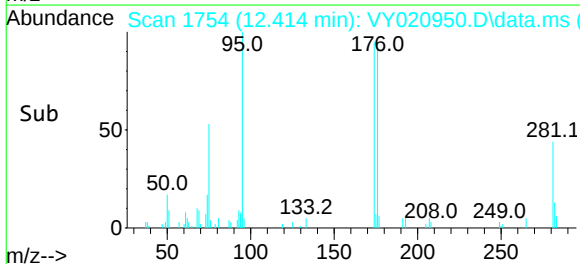
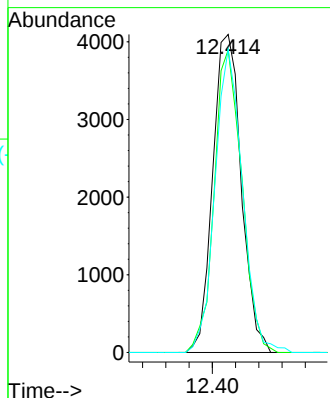
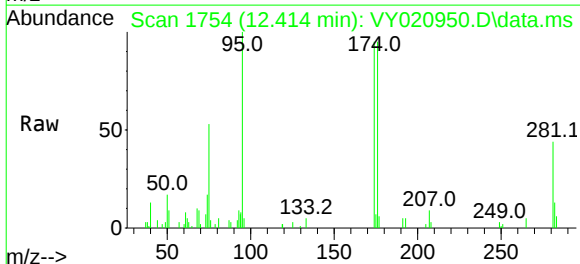
Instrument :

MSVOA\_Y

ClientSampleId :

B-110-SB01RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 6970  |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 92.2  | 0.0   | 177.4 |
| 176       | 92.2  | 0.0   | 172.2 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

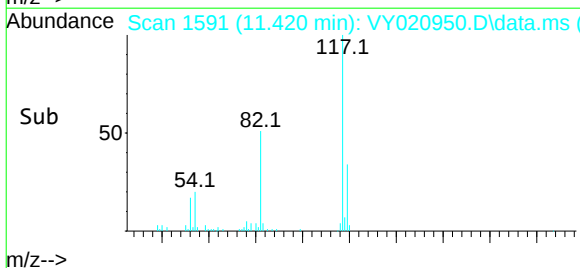
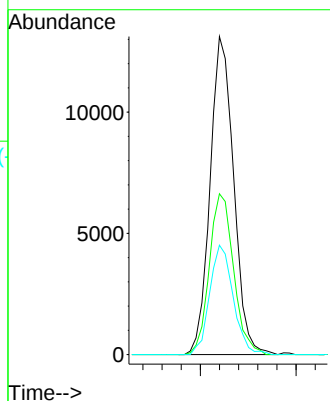
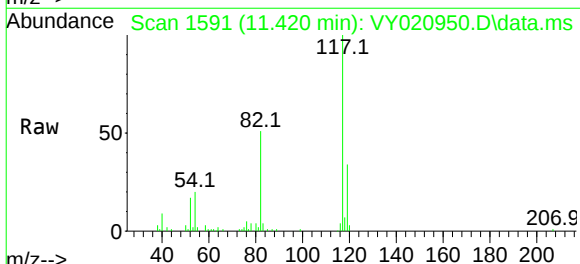
RT: 11.420 min Scan# 1591

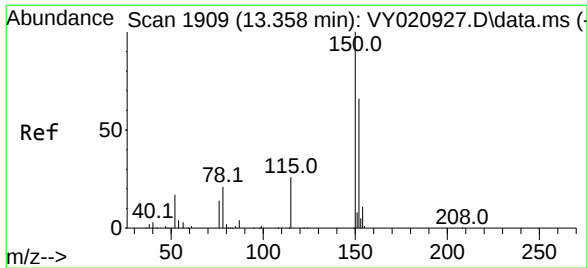
Delta R.T. -0.006 min

Lab File: VY020950.D

Acq: 27 Jan 2025 16:01

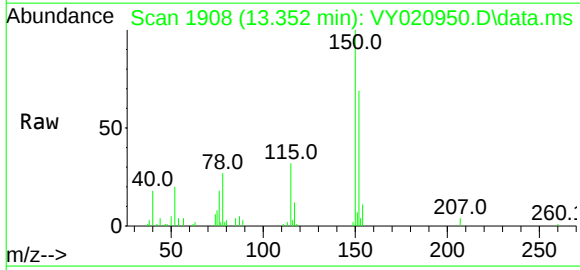
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 22466 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 50.6  | 41.8  | 62.8  |
| 119       | 34.4  | 26.0  | 39.0  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 19  
 Delta R.T. -0.006 min  
 Lab File: VY020950.D  
 Acq: 27 Jan 2025 16:01

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-110-SB01RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 4581  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.0  | 29.0  | 87.0  |
| 150      | 165.1 | 0.0   | 347.6 |

