

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020625\  
 Data File : VY021110.D  
 Acq On : 06 Feb 2025 14:48  
 Operator : SY/MD  
 Sample : Q1289-02RE  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FL-DRUMS-A

Quant Time: Feb 07 02:32:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 16852    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 22075    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 13322    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.358 | 152  | 2730     | 50.000 | ug/l  | # 0.00   |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 4421     | 25.605   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 51.200% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 6262     | 44.263   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.520% |
| 50) Toluene-d8              | 10.109 | 98    | 23018    | 42.737   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 85.480% |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 4028     | 22.892   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 45.780% |

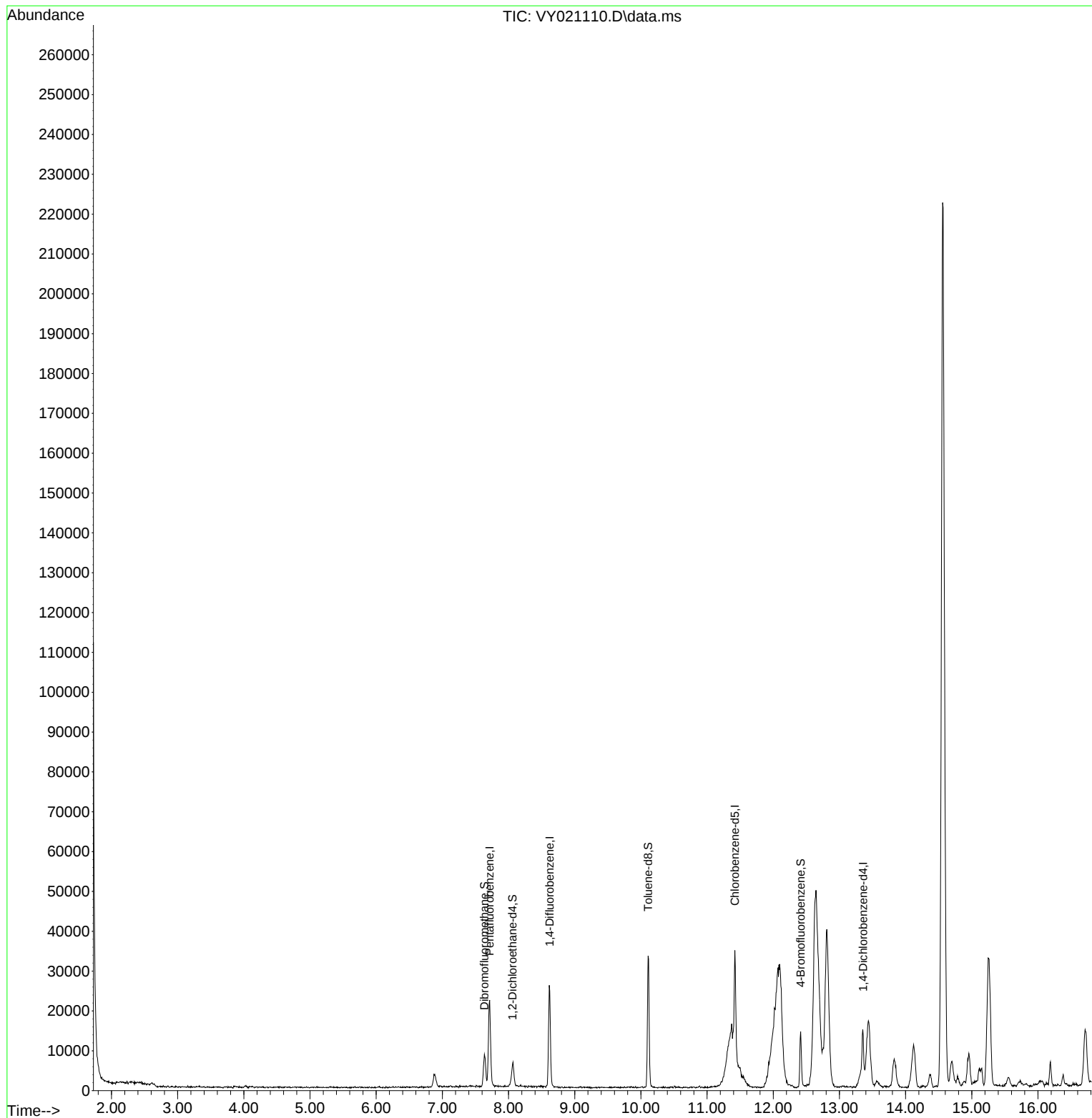
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

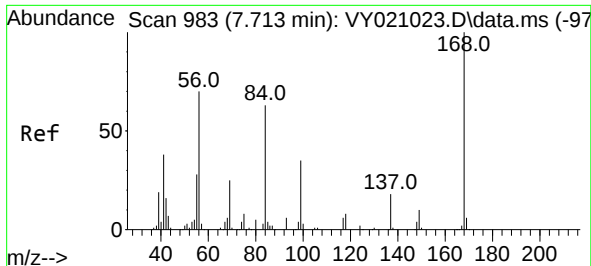
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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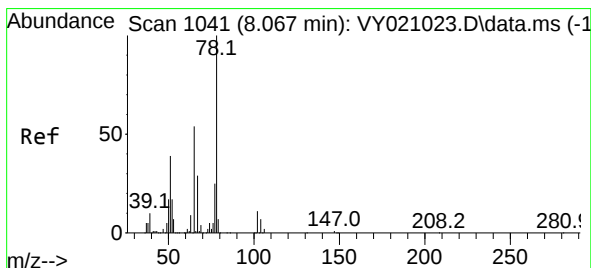
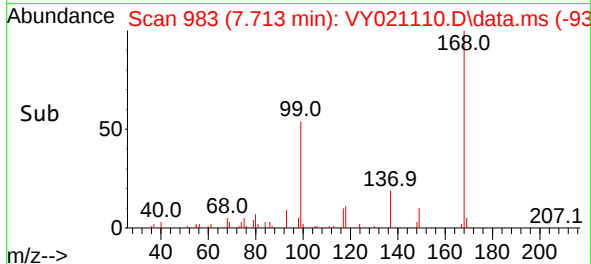
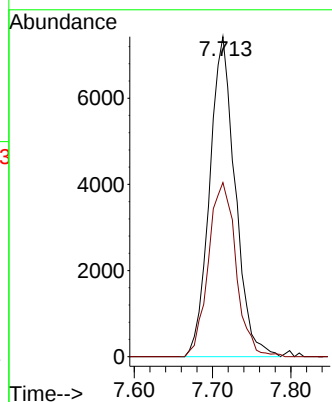
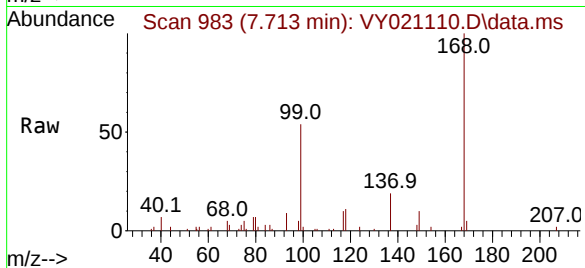




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021110.D  
Acq: 06 Feb 2025 14:48

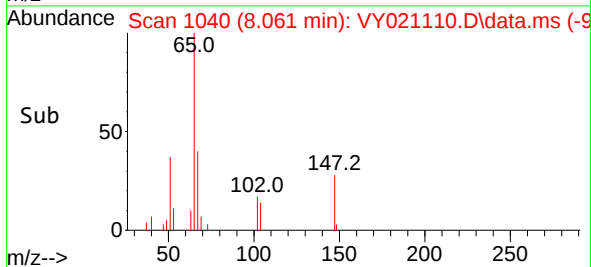
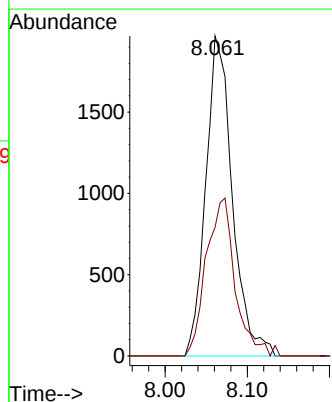
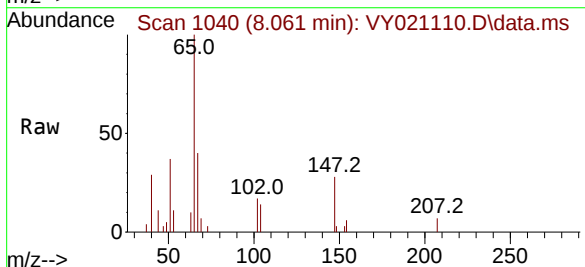
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FL-DRUMS-A

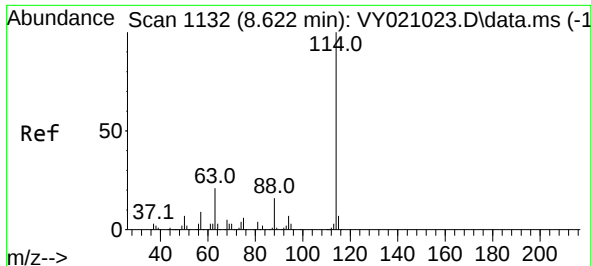
Tgt Ion:168 Resp: 16852  
Ion Ratio Lower Upper  
168 100  
99 54.4 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 25.605 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021110.D  
Acq: 06 Feb 2025 14:48

Tgt Ion: 65 Resp: 4421  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 109.0

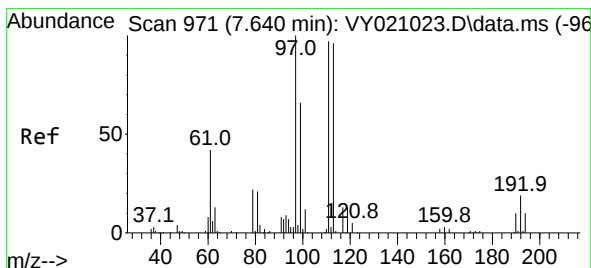
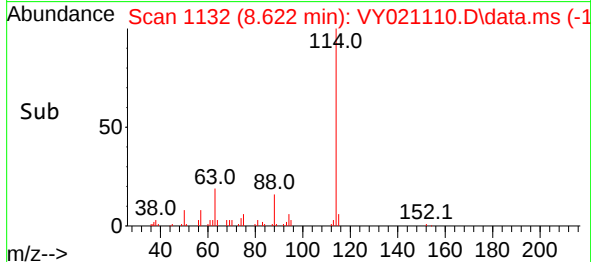
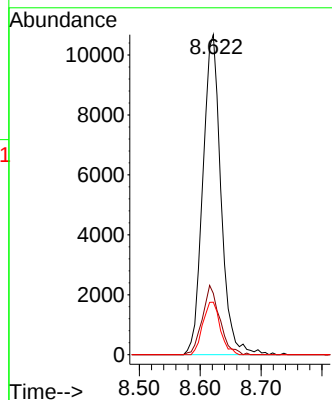
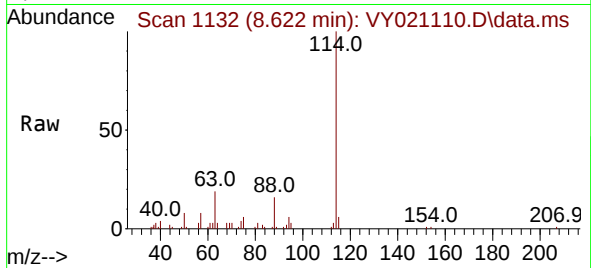




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.622 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VY021110.D  
Acq: 06 Feb 2025 14:48

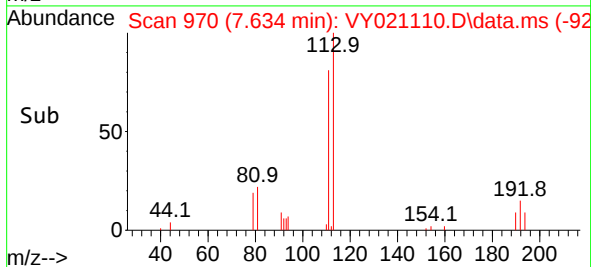
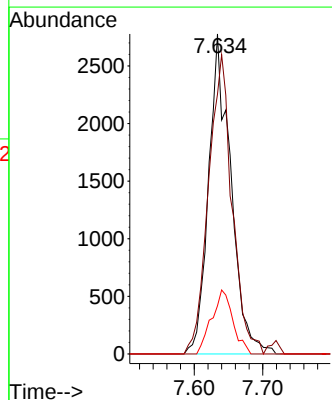
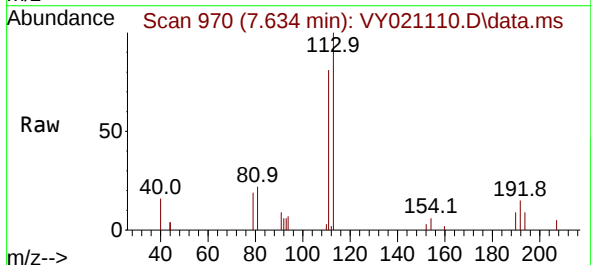
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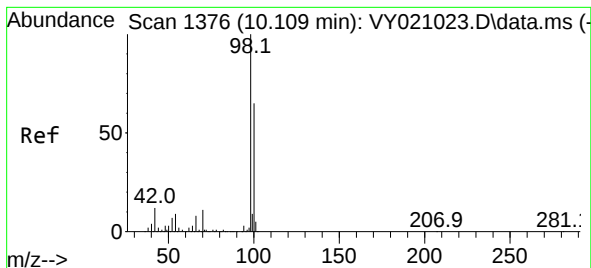
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 22075 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 19.1  | 0.0   | 37.4  |
| 88       | 16.4  | 0.0   | 29.0  |



#35  
Dibromofluoromethane  
Concen: 44.263 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY021110.D  
Acq: 06 Feb 2025 14:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 6262  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 99.2  | 83.8  | 125.6 |
| 192      | 19.0  | 14.5  | 21.7  |

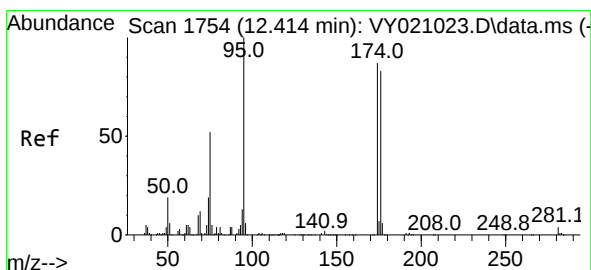
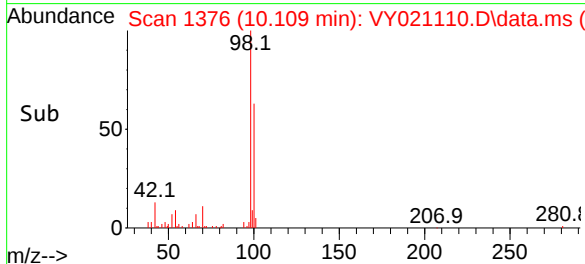
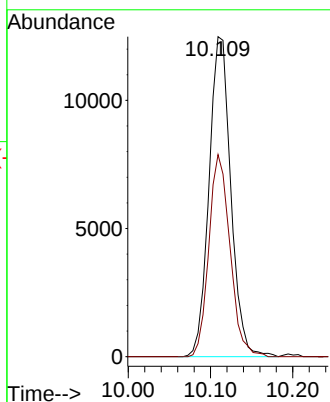
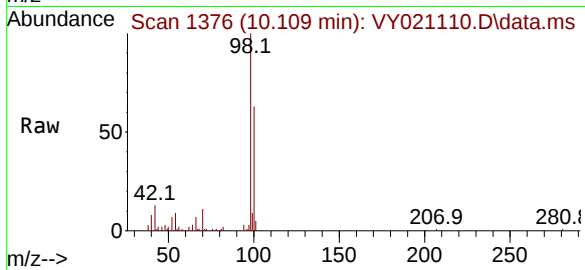




#50  
Toluene-d8  
Concen: 42.737 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021110.D  
Acq: 06 Feb 2025 14:48

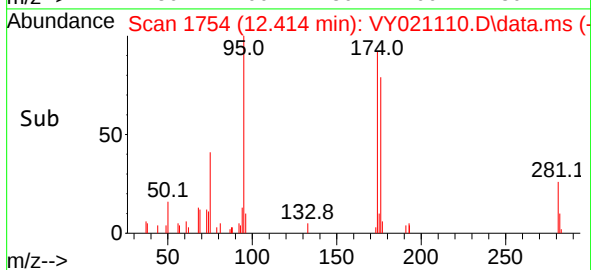
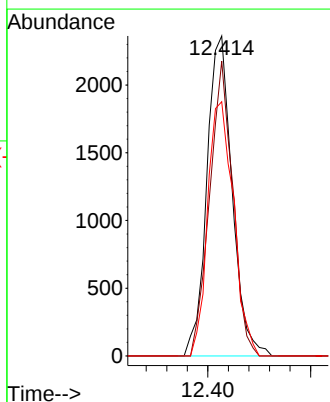
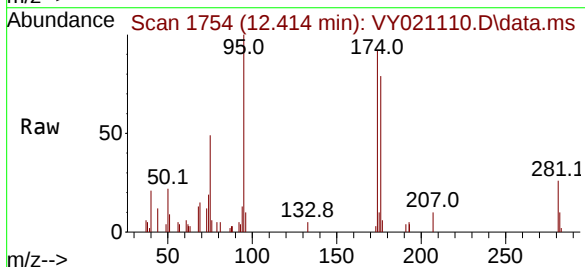
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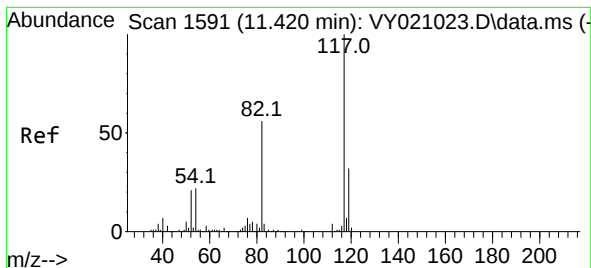
Tgt Ion: 98 Resp: 23018  
Ion Ratio Lower Upper  
98 100  
100 61.3 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 22.892 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY021110.D  
Acq: 06 Feb 2025 14:48

Tgt Ion: 95 Resp: 4028  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 160.0  
176 81.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021110.D

Acq: 06 Feb 2025 14:48

Instrument :

MSVOA\_Y

ClientSampleId :

FL-DRUMS-A

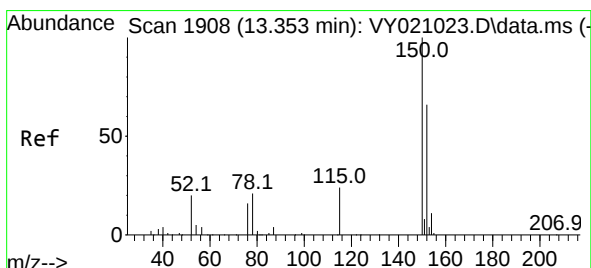
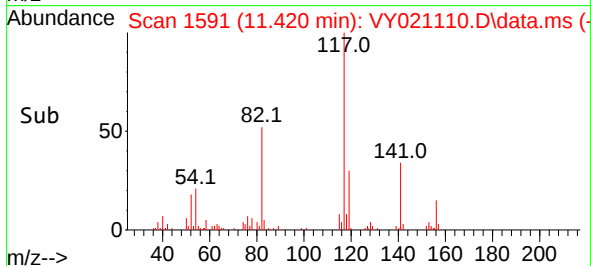
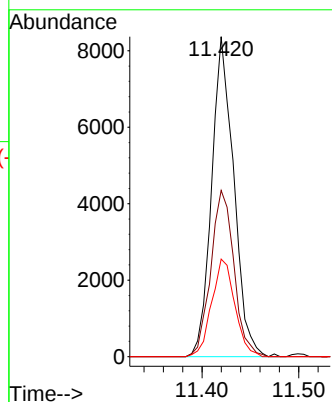
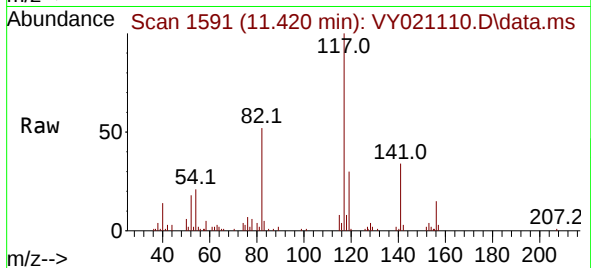
Tgt Ion:117 Resp: 13322

Ion Ratio Lower Upper

117 100

82 52.0 43.8 65.8

119 30.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.358 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021110.D

Acq: 06 Feb 2025 14:48

Tgt Ion:152 Resp: 2730

Ion Ratio Lower Upper

152 100

115 91.2 30.0 90.0#

150 153.1 0.0 344.6

