

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020923\  
 Data File : VY012564.D  
 Acq On : 09 Feb 2023 14:22  
 Operator : KP/MD  
 Sample : 01507-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-330

Quant Time: Feb 10 05:58:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

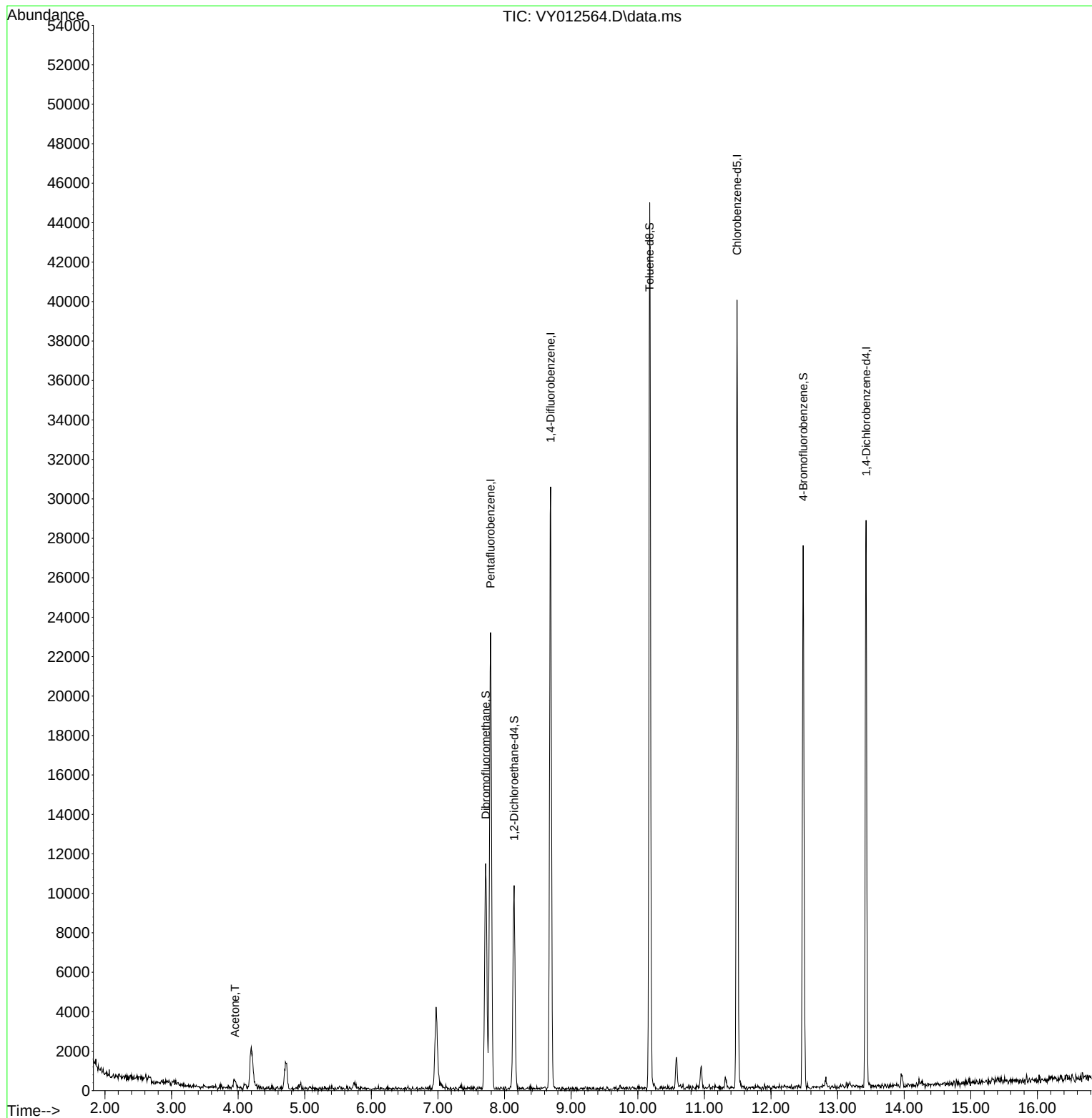
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 19337    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 27765    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 23569    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 8774     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 8668     | 35.251   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 70.500%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 7936     | 39.248   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 78.500%  |
| 50) Toluene-d8              | 10.179 | 98    | 31805    | 37.790   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 75.580%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 7561     | 25.756   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 51.520%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954  | 43    | 737      | 12.453   | ug/l # | 82       |
| -----                       |        |       |          |          |        |          |

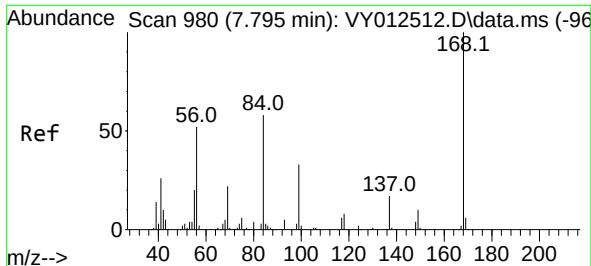
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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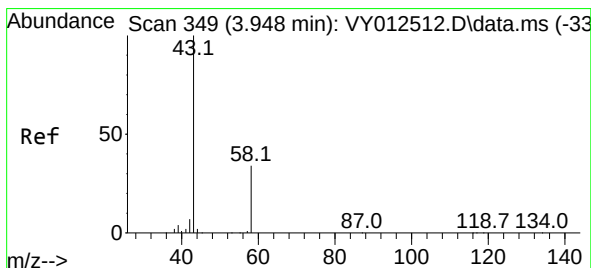
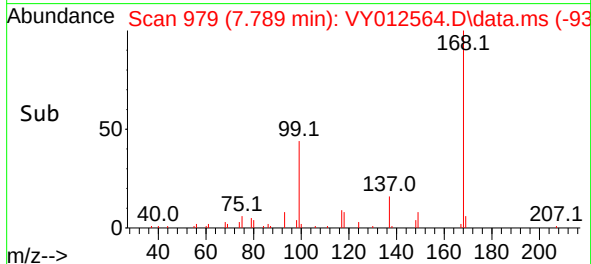
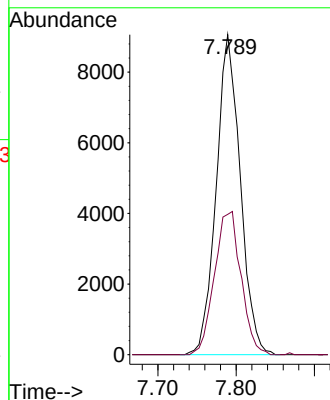
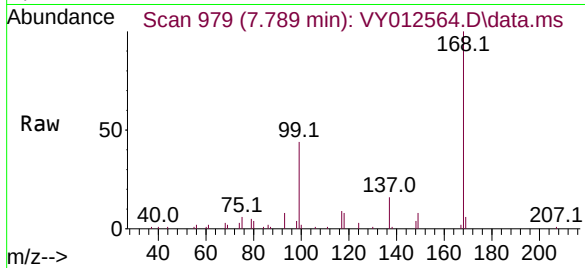




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012564.D  
Acq: 09 Feb 2023 14:22

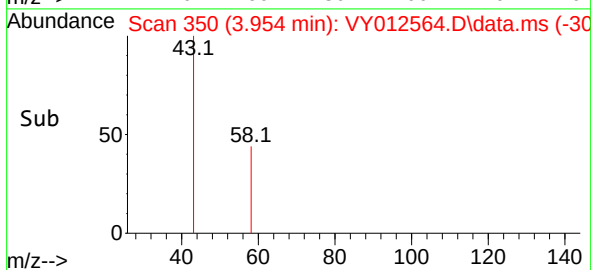
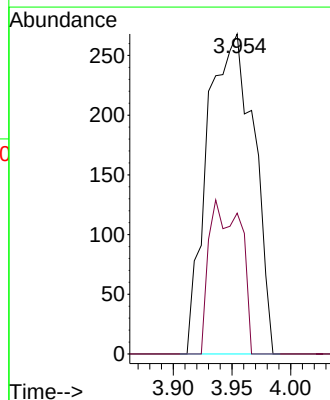
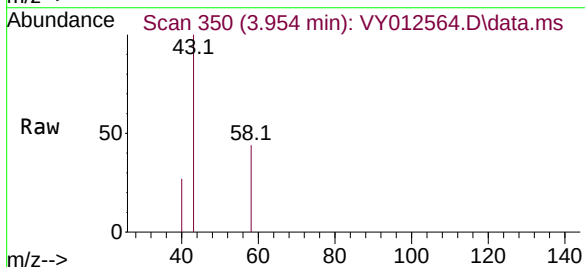
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-330

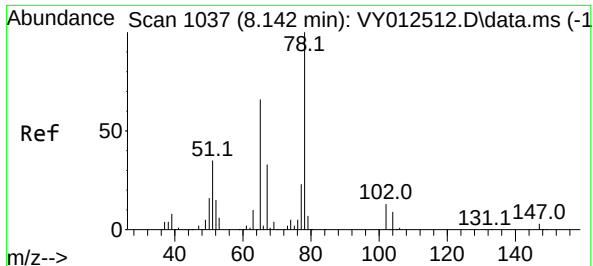
Tgt Ion:168 Resp: 19337  
Ion Ratio Lower Upper  
168 100  
99 43.9 40.8 61.2



#16  
Acetone  
Concen: 12.453 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY012564.D  
Acq: 09 Feb 2023 14:22

Tgt Ion: 43 Resp: 737  
Ion Ratio Lower Upper  
43 100  
58 44.0 27.1 40.7#





#33

1,2-Dichloroethane-d4

Concen: 35.251 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY012564.D

Acq: 09 Feb 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

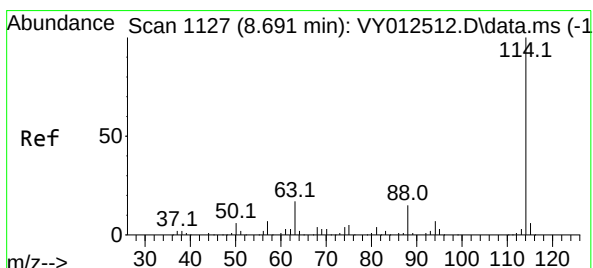
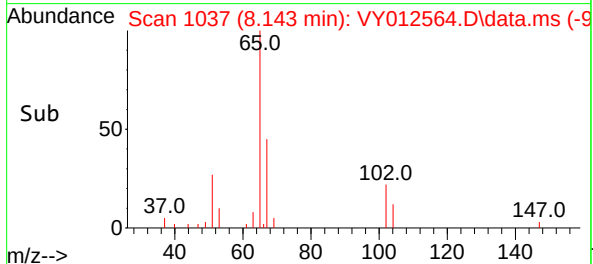
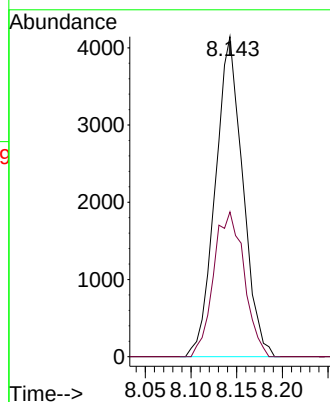
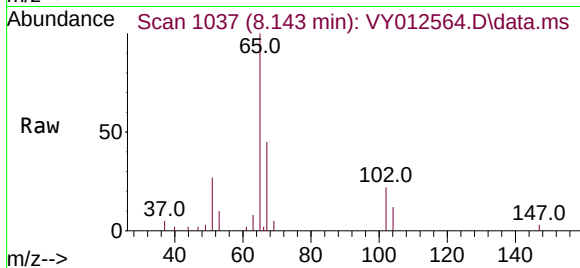
ETGI-330

Tgt Ion: 65 Resp: 8668

Ion Ratio Lower Upper

65 100

67 50.2 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012564.D

Acq: 09 Feb 2023 14:22

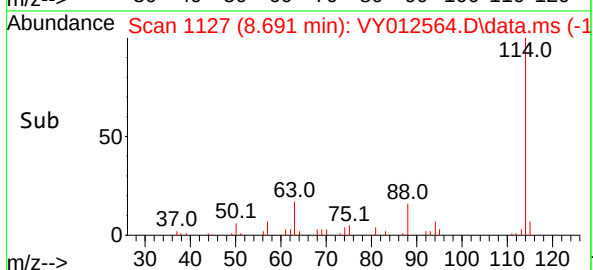
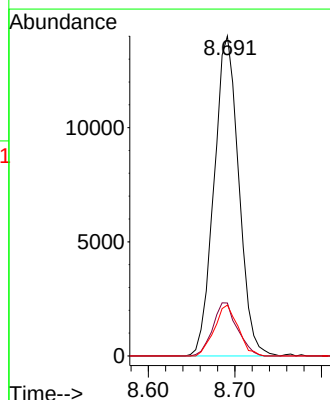
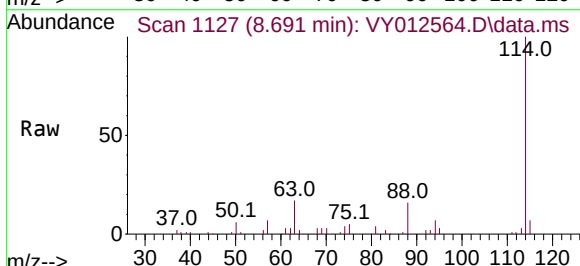
Tgt Ion: 114 Resp: 27765

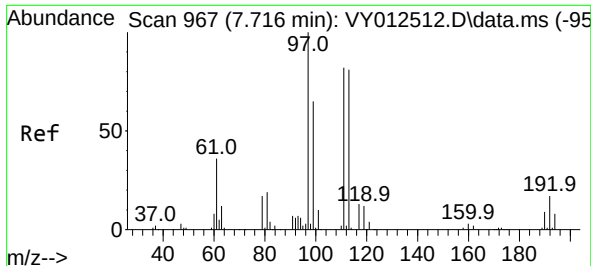
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.6

88 15.9 0.0 29.8

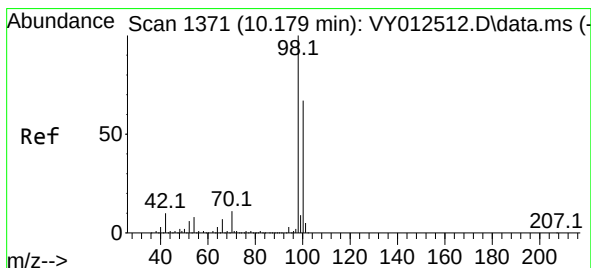
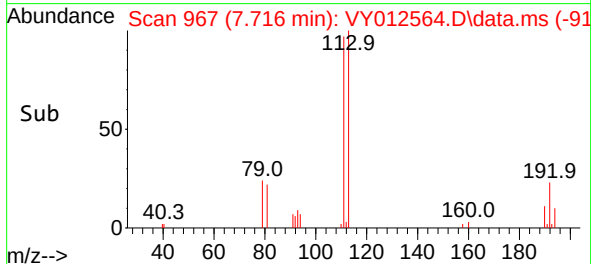
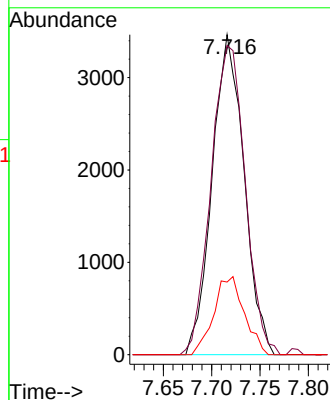
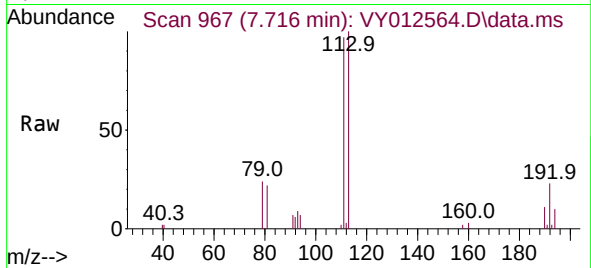




#35  
Dibromofluoromethane  
Concen: 39.248 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY012564.D  
Acq: 09 Feb 2023 14:22

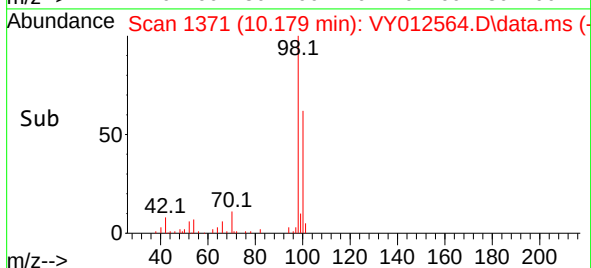
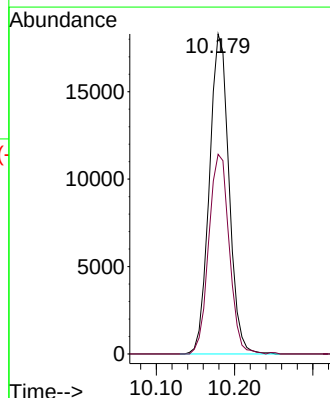
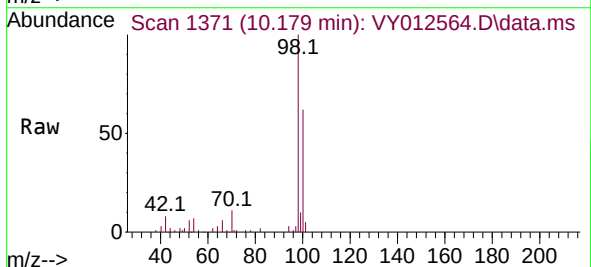
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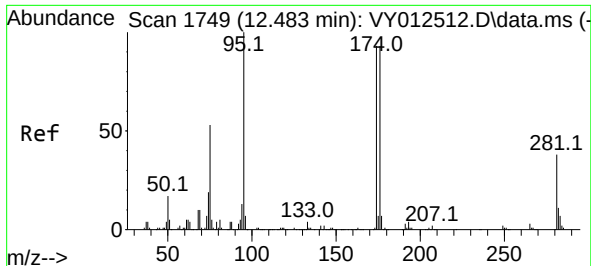
Tgt Ion:113 Resp: 7936  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.9 122.9  
192 23.3 17.5 26.3



#50  
Toluene-d8  
Concen: 37.790 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY012564.D  
Acq: 09 Feb 2023 14:22

Tgt Ion: 98 Resp: 31805  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2

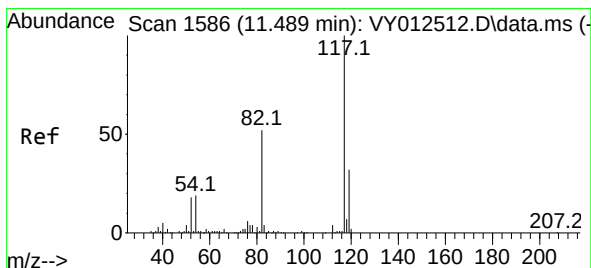
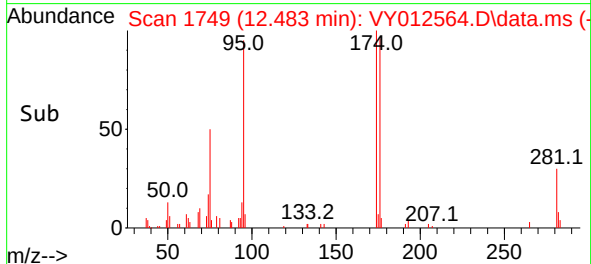
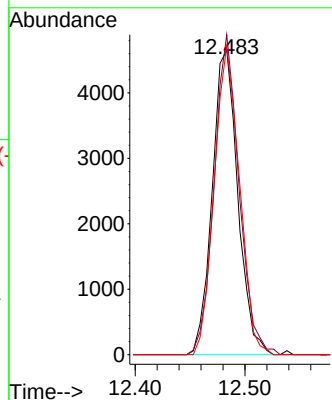
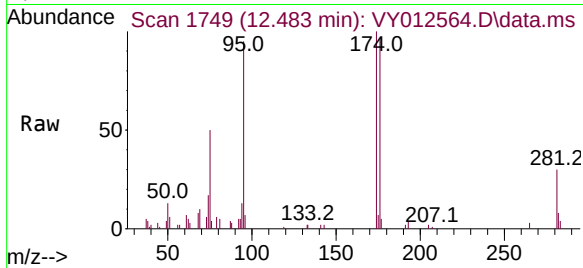




#62  
4-Bromofluorobenzene  
Concen: 25.756 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012564.D  
Acq: 09 Feb 2023 14:22

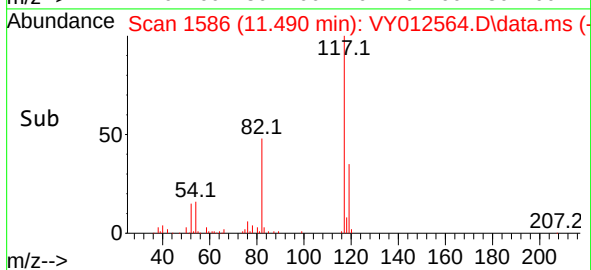
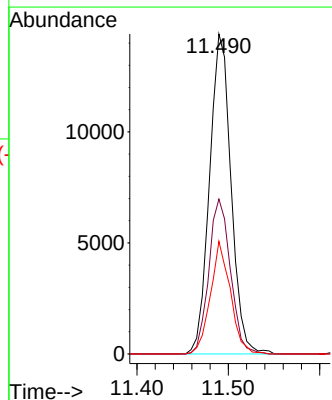
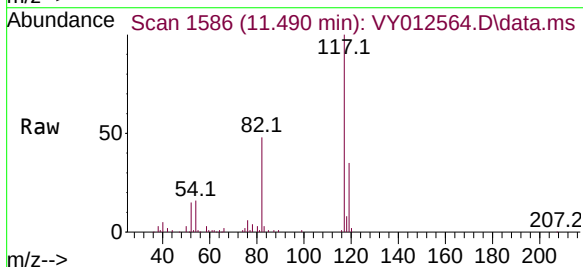
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-330

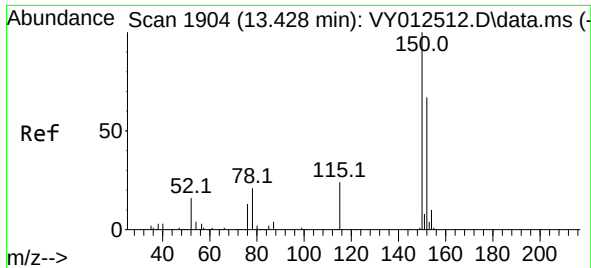
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 7561  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 102.2 | 0.0   | 188.0 |
| 176      | 99.6  | 0.0   | 183.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY012564.D  
Acq: 09 Feb 2023 14:22

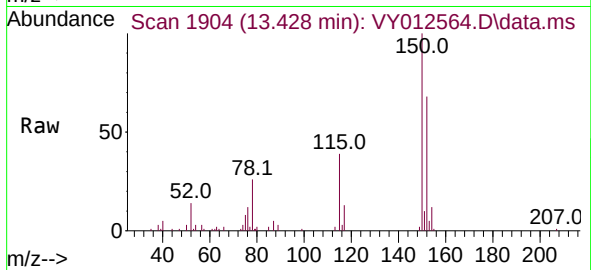
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 23569 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 48.4  | 41.7  | 62.5  |
| 119      | 35.2  | 25.8  | 38.8  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY012564.D  
 Acq: 09 Feb 2023 14:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-330



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 8774  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.8  | 28.1  | 84.3  |
| 150      | 155.7 | 0.0   | 351.0 |

