

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011023\  
 Data File : VY012144.D  
 Acq On : 10 Jan 2023 16:13  
 Operator : KP/MD  
 Sample : 01089-03RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-2-010923RE

Quant Time: Jan 11 03:09:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 3976     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 6414     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 5835     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 1470     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 2587     | 57.905   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.800% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 798      | 18.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 37.860%# |
| 50) Toluene-d8              | 10.179 | 98    | 7269     | 43.684   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 87.360%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 1861     | 31.996   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 64.000%  |

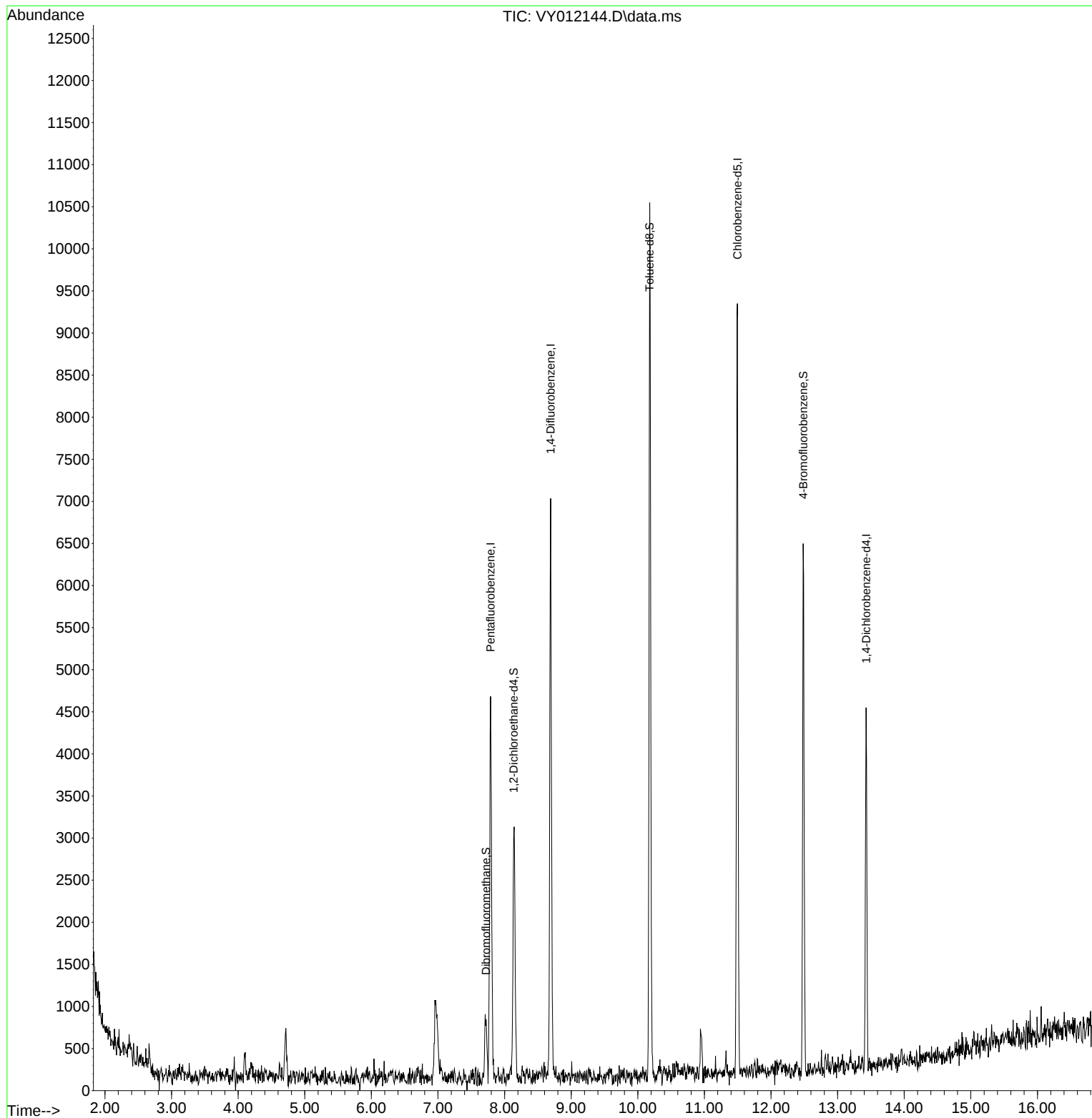
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

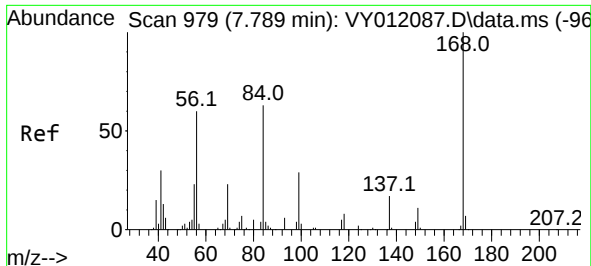
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PL-2-010923RE

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QLast Update : Sat Jan 07 01:46:48 2023  
Response via : Initial Calibration

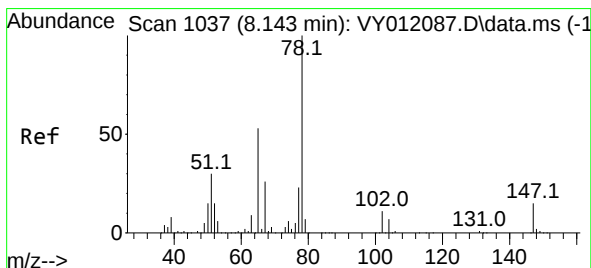
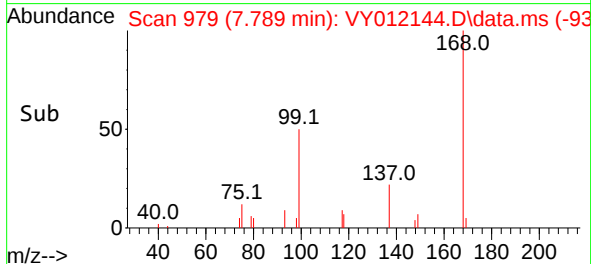
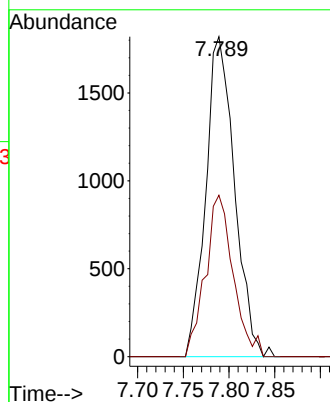
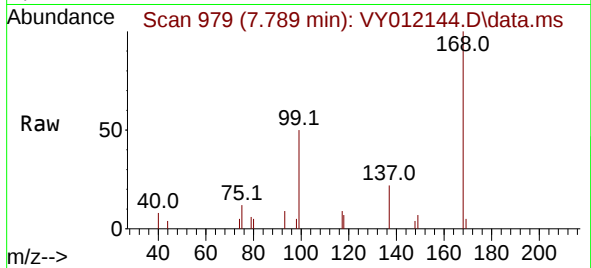




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012144.D  
Acq: 10 Jan 2023 16:13

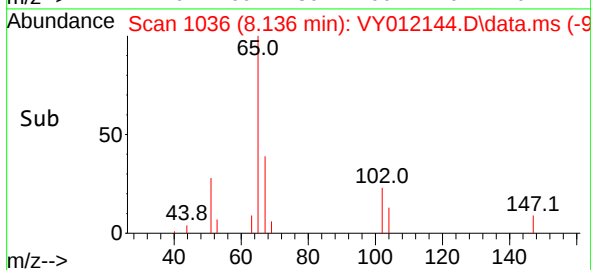
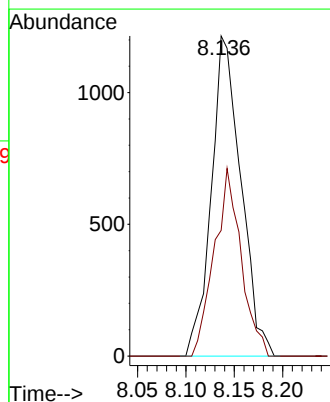
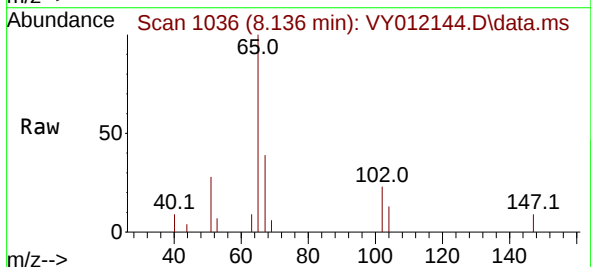
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-2-010923RE

Tgt Ion:168 Resp: 3976  
Ion Ratio Lower Upper  
168 100  
99 50.4 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 57.905 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY012144.D  
Acq: 10 Jan 2023 16:13

Tgt Ion: 65 Resp: 2587  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012144.D

Acq: 10 Jan 2023 16:13

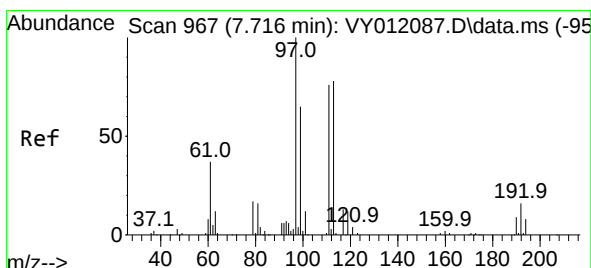
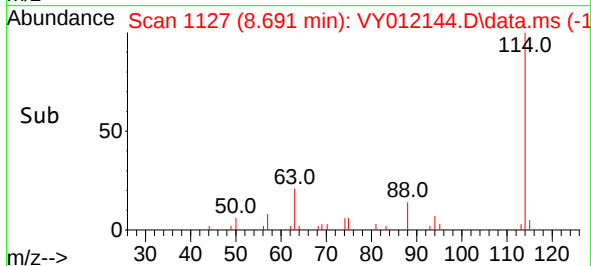
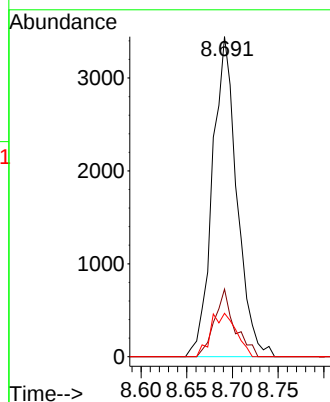
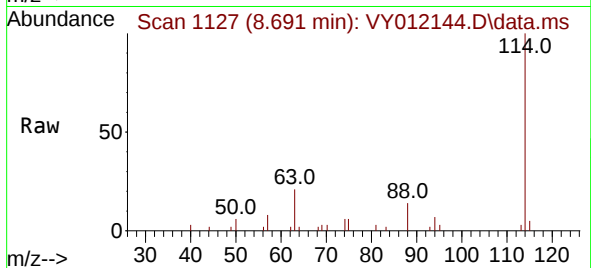
Instrument :

MSVOA\_Y

ClientSampleId :

PL-2-010923RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 6414        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 21.1  | 0.0 39.6    |
| 88          | 13.6  | 0.0 32.2    |



#35

Dibromofluoromethane

Concen: 18.929 ug/l

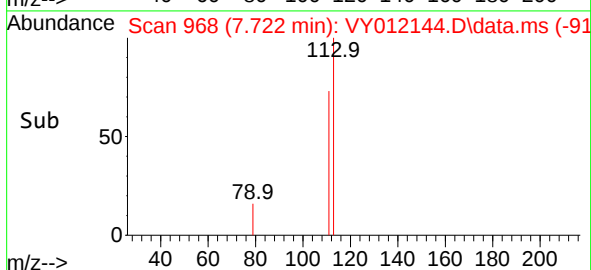
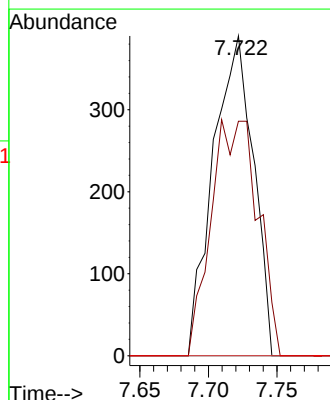
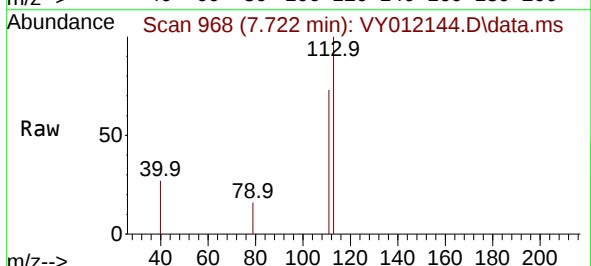
RT: 7.722 min Scan# 968

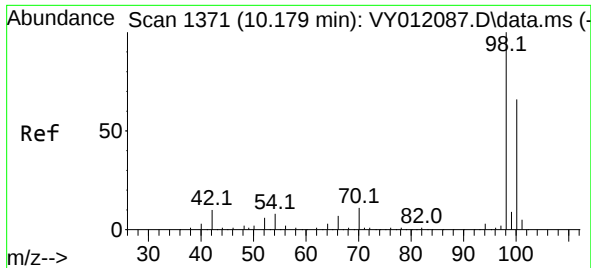
Delta R.T. 0.006 min

Lab File: VY012144.D

Acq: 10 Jan 2023 16:13

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 798         |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 85.8  | 83.0 124.4  |
| 192         | 0.0   | 16.0 24.0   |

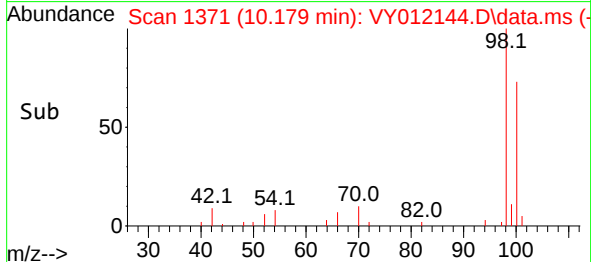
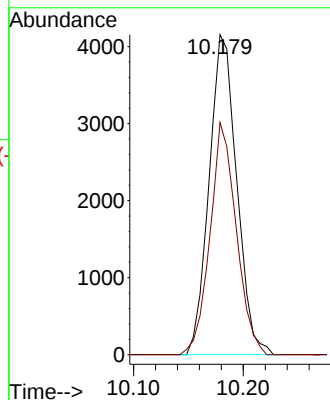
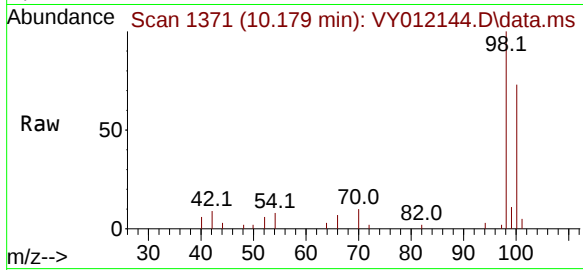




#50  
Toluene-d8  
Concen: 43.684 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012144.D  
Acq: 10 Jan 2023 16:13

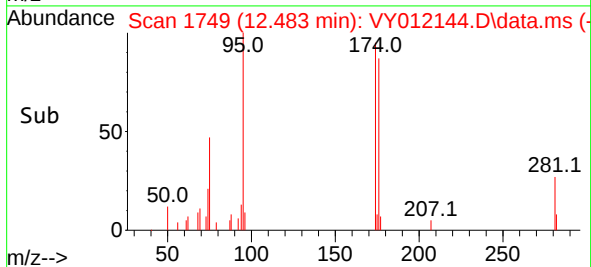
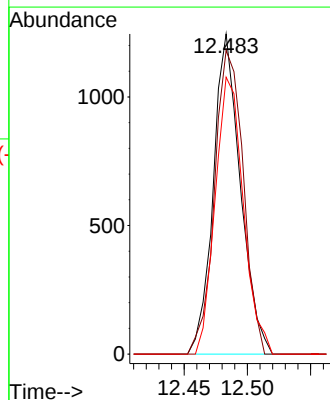
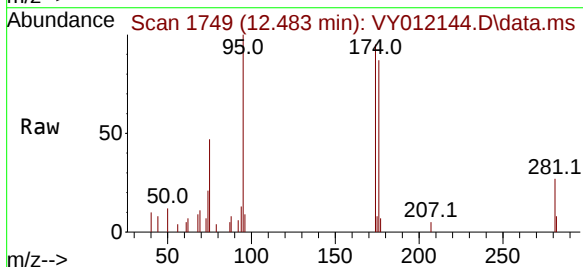
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-2-010923RE

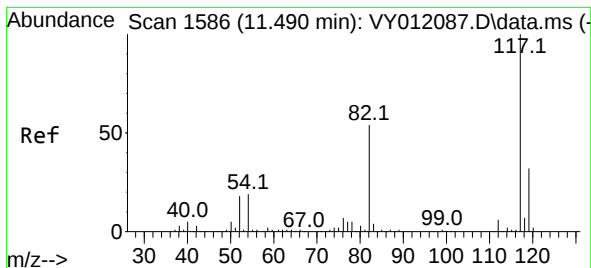
Tgt Ion: 98 Resp: 7269  
Ion Ratio Lower Upper  
98 100  
100 69.1 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 31.996 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012144.D  
Acq: 10 Jan 2023 16:13

Tgt Ion: 95 Resp: 1861  
Ion Ratio Lower Upper  
95 100  
174 100.1 0.0 172.0  
176 89.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012144.D

Acq: 10 Jan 2023 16:13

Instrument :

MSVOA\_Y

ClientSampleId :

PL-2-010923RE

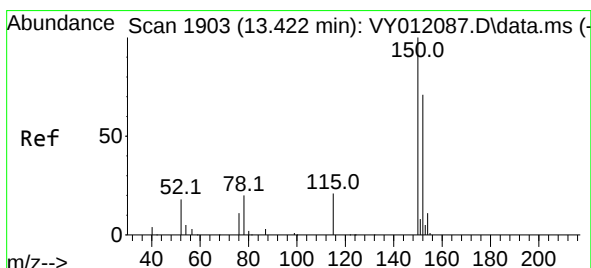
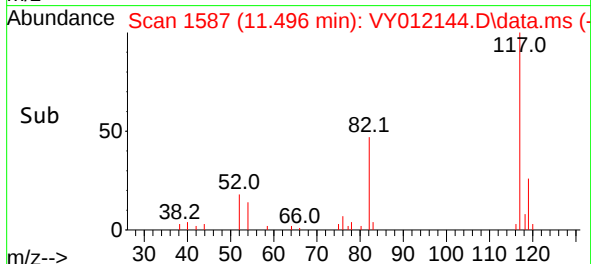
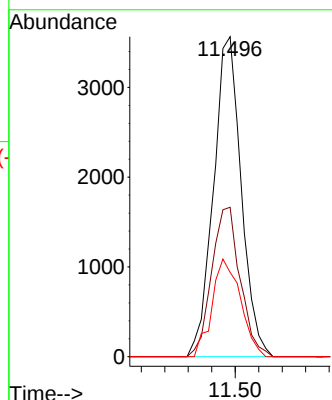
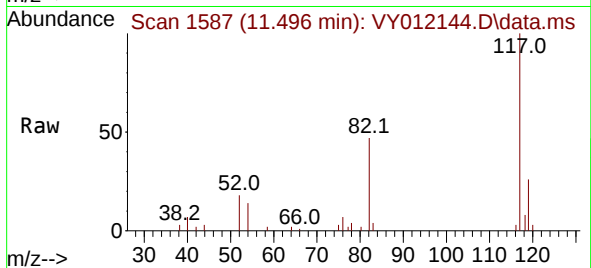
Tgt Ion:117 Resp: 5835

Ion Ratio Lower Upper

117 100

82 46.7 44.8 67.2

119 26.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012144.D

Acq: 10 Jan 2023 16:13

Tgt Ion:152 Resp: 1470

Ion Ratio Lower Upper

152 100

115 55.3 29.1 87.3

150 149.5 0.0 342.6

