

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030823\  
 Data File : VY012870.D  
 Acq On : 08 Mar 2023 14:52  
 Operator : KP/MD  
 Sample : 01825-07RE  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HH-TP4-0306RE

Quant Time: Mar 09 00:36:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

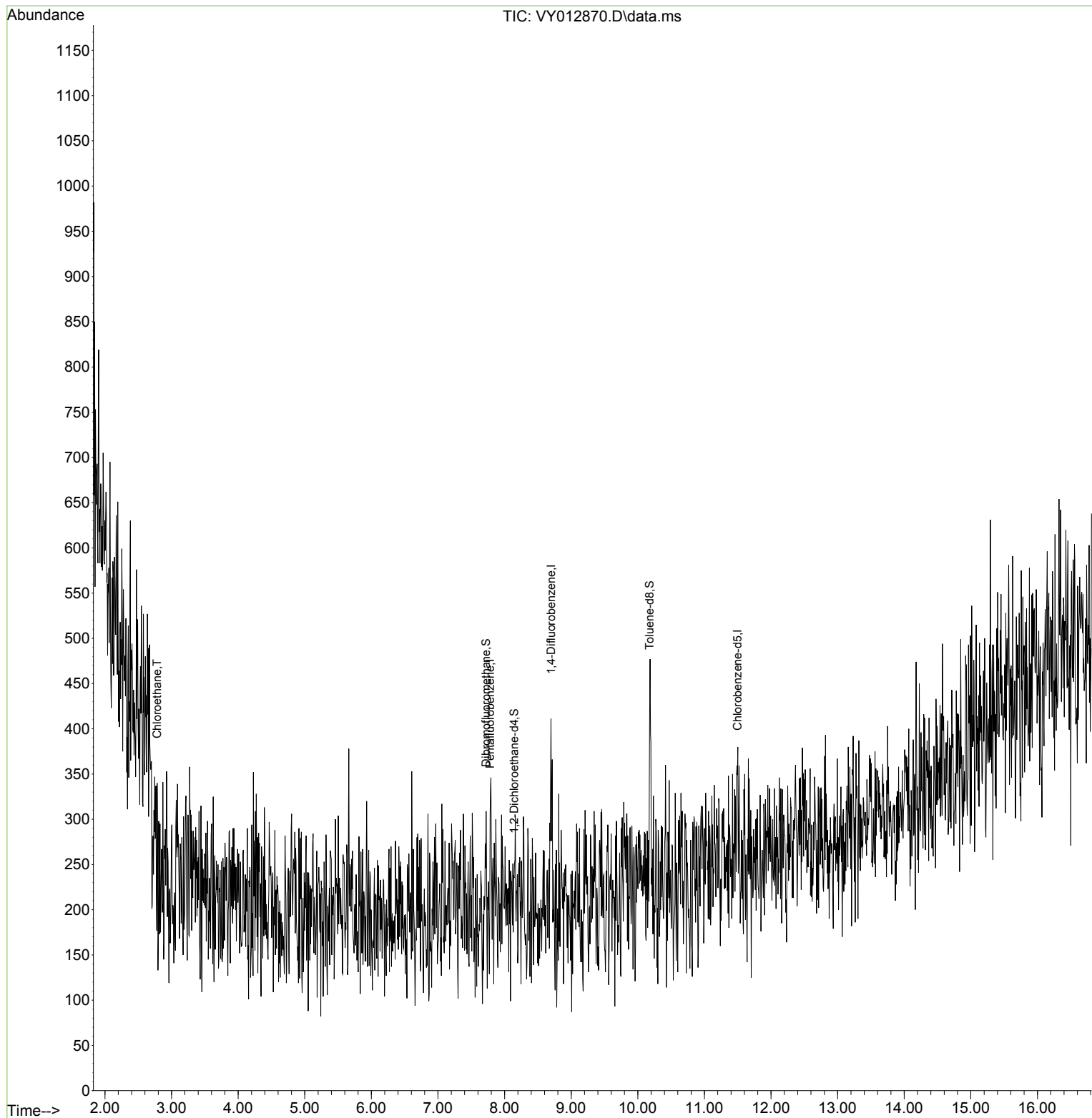
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.783  | 168   | 105      | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 230      | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 108      | 50.000   | ug/l  | # 0.00    |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l  | -13.43    |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 110      | 105.514  | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 211.020%# |
| 35) Dibromofluoromethane    | 7.722  | 113   | 27       | 19.452   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 38.900%#  |
| 50) Toluene-d8              | 10.179 | 98    | 223      | 43.946   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 87.900%   |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l  |           |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 0.000%#   |
| Target Compounds            |        |       |          |          |       |           |
|                             |        |       |          |          |       | Qvalue    |
| 6) Chloroethane             | 2.784  | 64    | 19       | 27.963   | ug/l  | # 43      |
| -----                       |        |       |          |          |       |           |

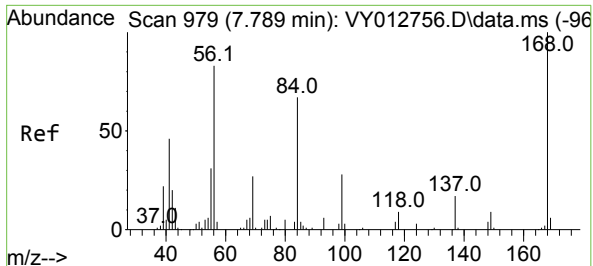
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HH-TP4-0306RE

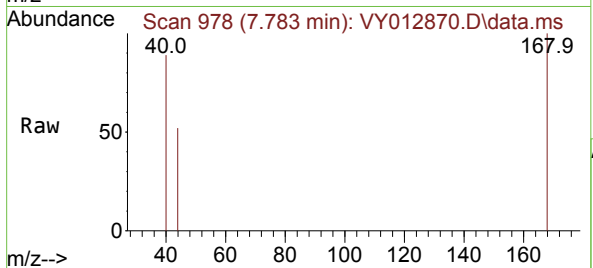
Quant Time: Mar 09 00:36:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
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Response via : Initial Calibration



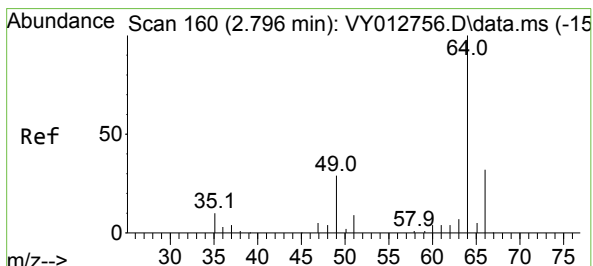
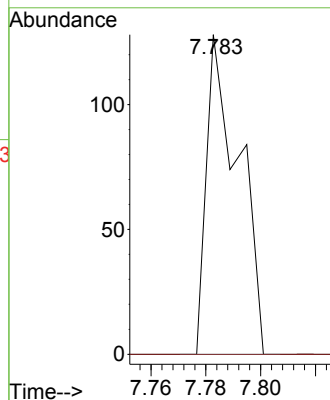
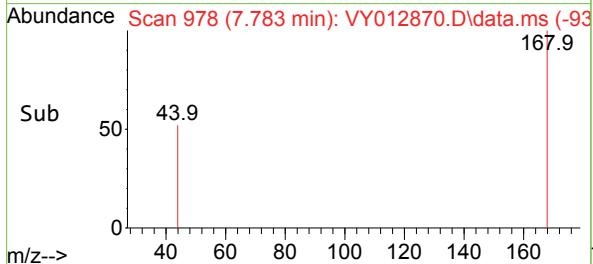


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012870.D  
Acq: 08 Mar 2023 14:52

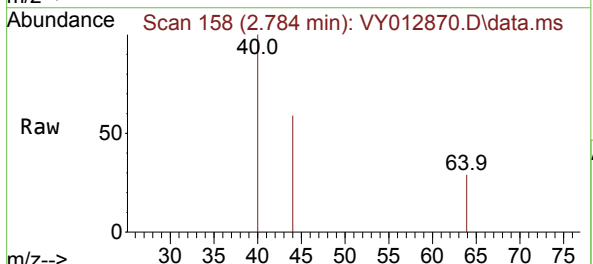
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HH-TP4-0306RE



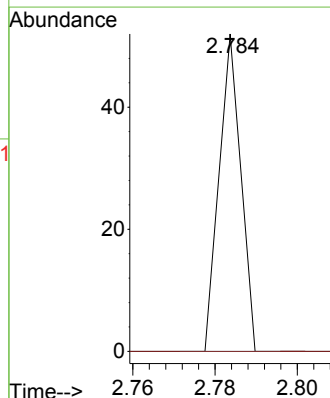
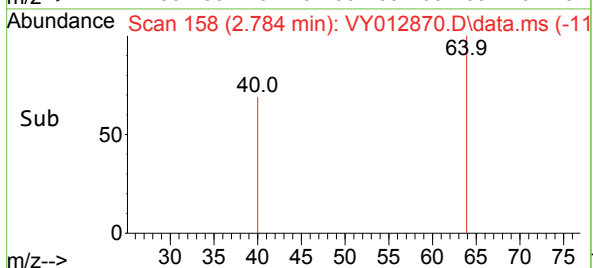
Tgt Ion:168 Resp: 105  
Ion Ratio Lower Upper  
168 100  
99 0.0 41.7 62.5#

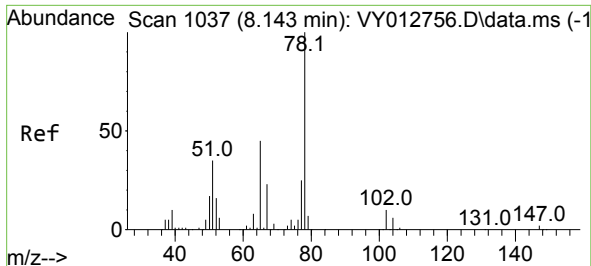


#6  
Chloroethane  
Concen: 27.963 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. -0.012 min  
Lab File: VY012870.D  
Acq: 08 Mar 2023 14:52



Tgt Ion: 64 Resp: 19  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.7 38.5#

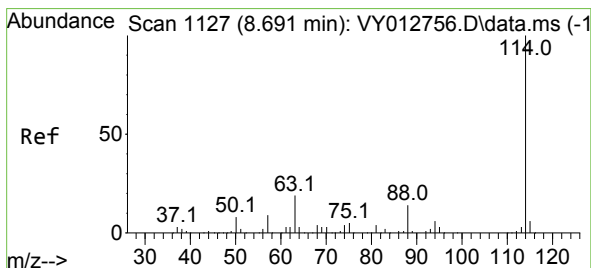
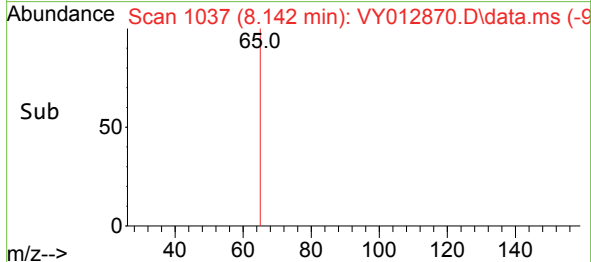
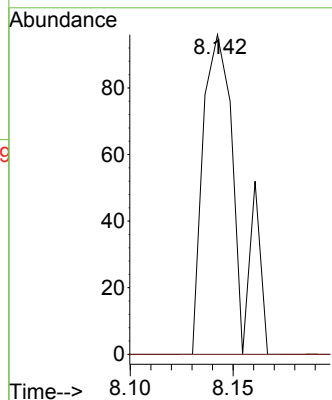
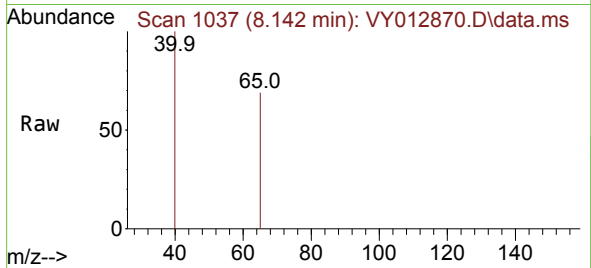




#33  
1,2-Dichloroethane-d4  
Concen: 105.514 ug/l  
RT: 8.142 min Scan# 110  
Delta R.T. -0.001 min  
Lab File: VY012870.D  
Acq: 08 Mar 2023 14:52

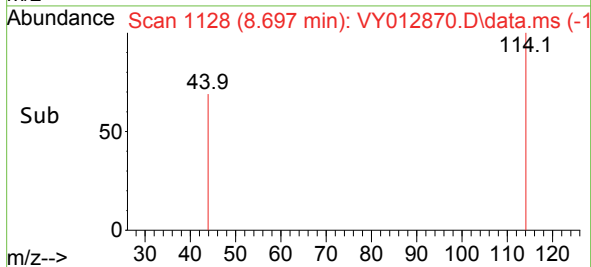
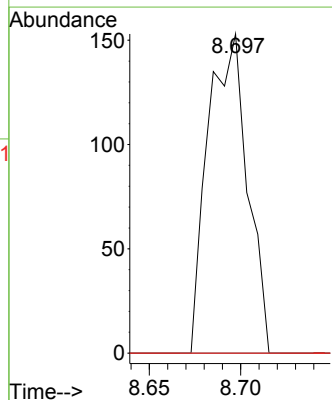
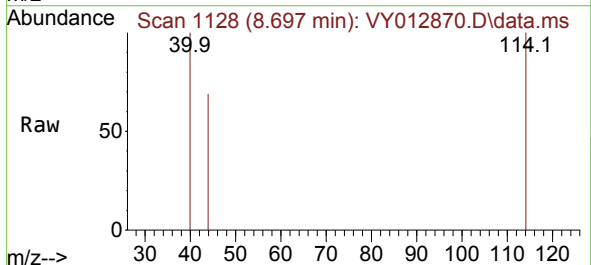
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HH-TP4-0306RE

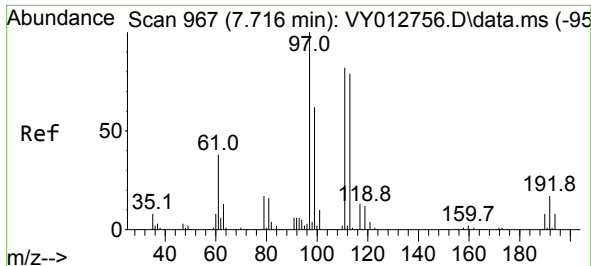
Tgt Ion: 65 Resp: 110  
Ion Ratio Lower Upper  
65 100  
67 0.0 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VY012870.D  
Acq: 08 Mar 2023 14:52

Tgt Ion: 114 Resp: 230  
Ion Ratio Lower Upper  
114 100  
63 0.0 0.0 37.4  
88 0.0 0.0 28.6





#35

Dibromofluoromethane

Concen: 19.452 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY012870.D

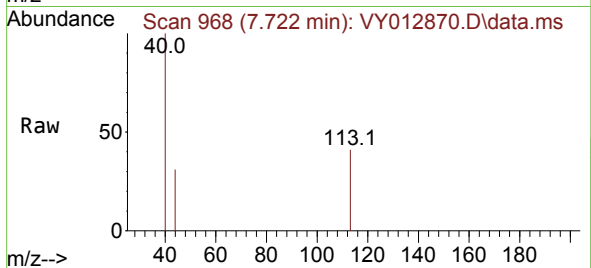
Acq: 08 Mar 2023 14:52

Instrument :

MSVOA\_Y

ClientSampleId :

HH-TP4-0306RE



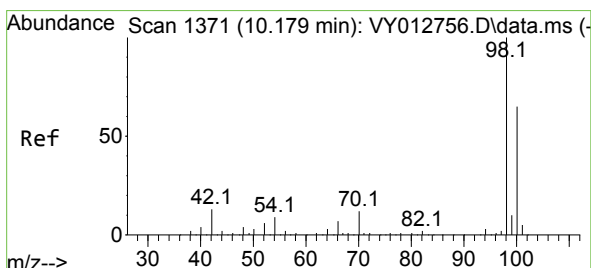
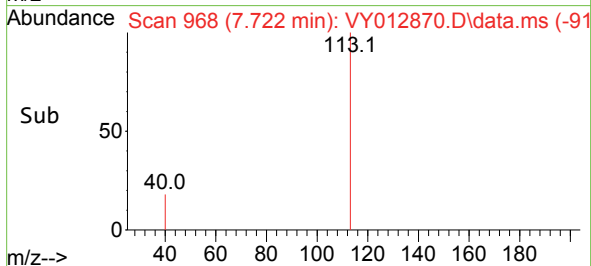
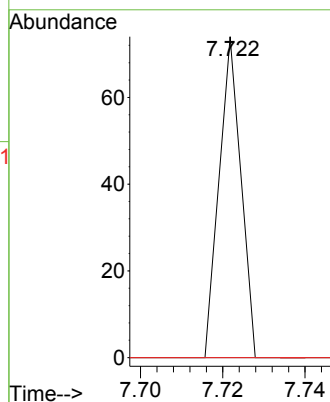
Tgt Ion:113 Resp: 27

Ion Ratio Lower Upper

113 100

111 0.0 82.2 123.2#

192 0.0 16.8 25.2#



#50

Toluene-d8

Concen: 43.946 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012870.D

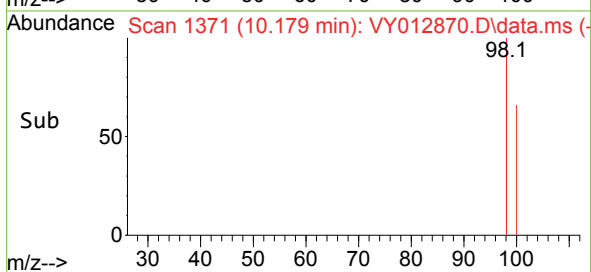
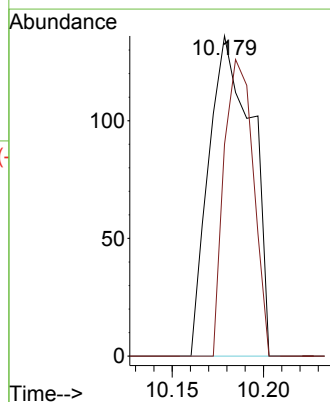
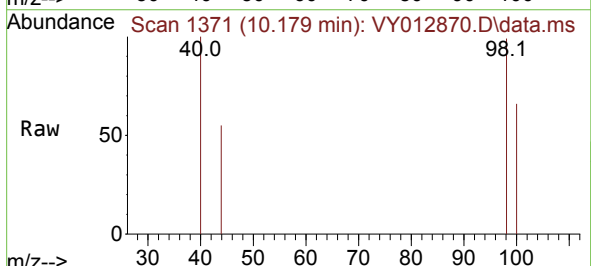
Acq: 08 Mar 2023 14:52

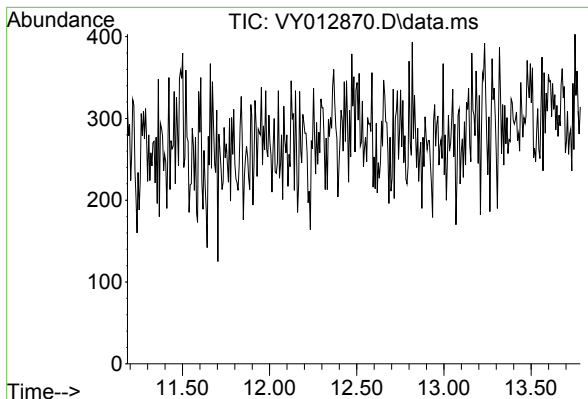
Tgt Ion: 98 Resp: 223

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3



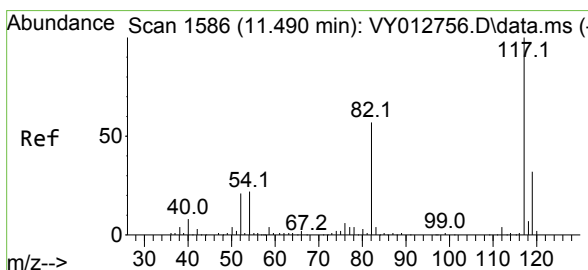
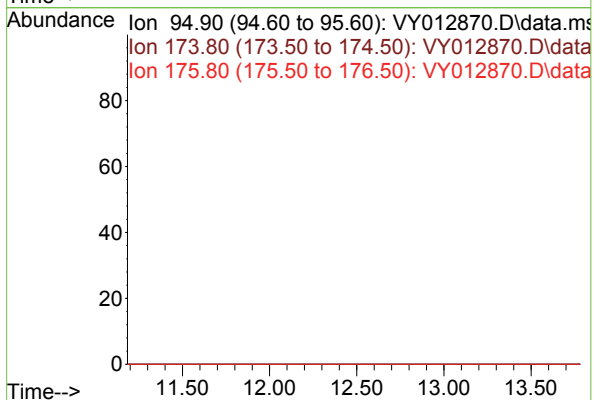


#62  
 4-Bromofluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 12.48 min  
 Lab File: VY012870.D  
 Acq: 08 Mar 2023 14:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HH-TP4-0306RE

Tgt Ion: 95  

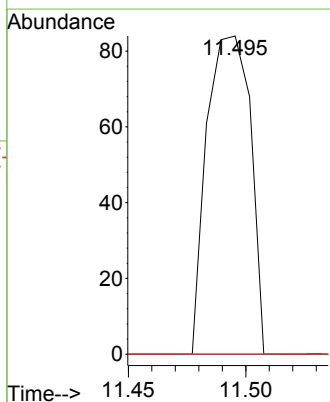
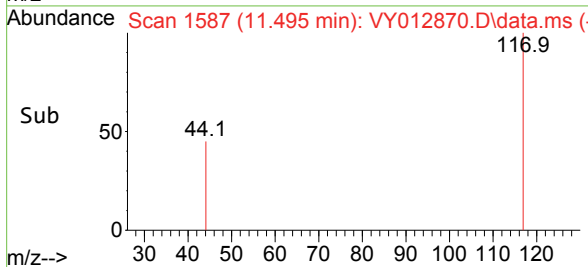
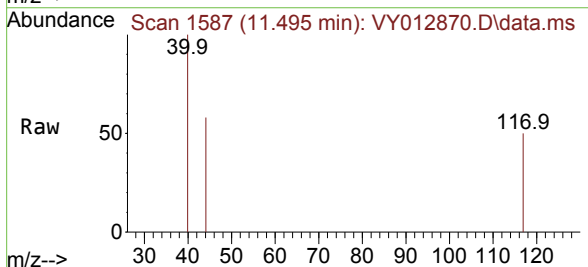
| Sig | Exp Ratio |
|-----|-----------|
| 95  | 100       |
| 174 | 88.3      |
| 176 | 85.1      |

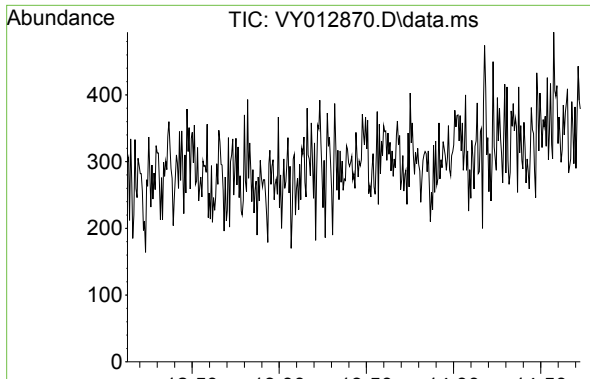


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.495 min Scan# 1587  
 Delta R.T. 0.006 min  
 Lab File: VY012870.D  
 Acq: 08 Mar 2023 14:52

Tgt Ion: 117 Resp: 108  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 0.0   | 45.4  | 68.0# |
| 119 | 0.0   | 25.6  | 38.4# |





#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.43 min  
Lab File: VY012870.D  
Acq: 08 Mar 2023 14:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HH-TP4-0306RE

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 54.2  
150 173.9

