

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030723\  
 Data File : VY012851.D  
 Acq On : 07 Mar 2023 17:42  
 Operator : KP/MD  
 Sample : 01820-01RE  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-3-03032023RE

Quant Time: Mar 07 23:44:55 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   | 299      | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 761      | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 639      | 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   | 8.143  | 65    | 496      | 167.077  | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 334.160%# |
| 35) Dibromofluoromethane    | 7.716  | 113   | 224      | 48.774   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.540%   |
| 50) Toluene-d8              | 10.179 | 98    | 866      | 51.579   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 103.160%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 114      | 20.117   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 40.240%   |

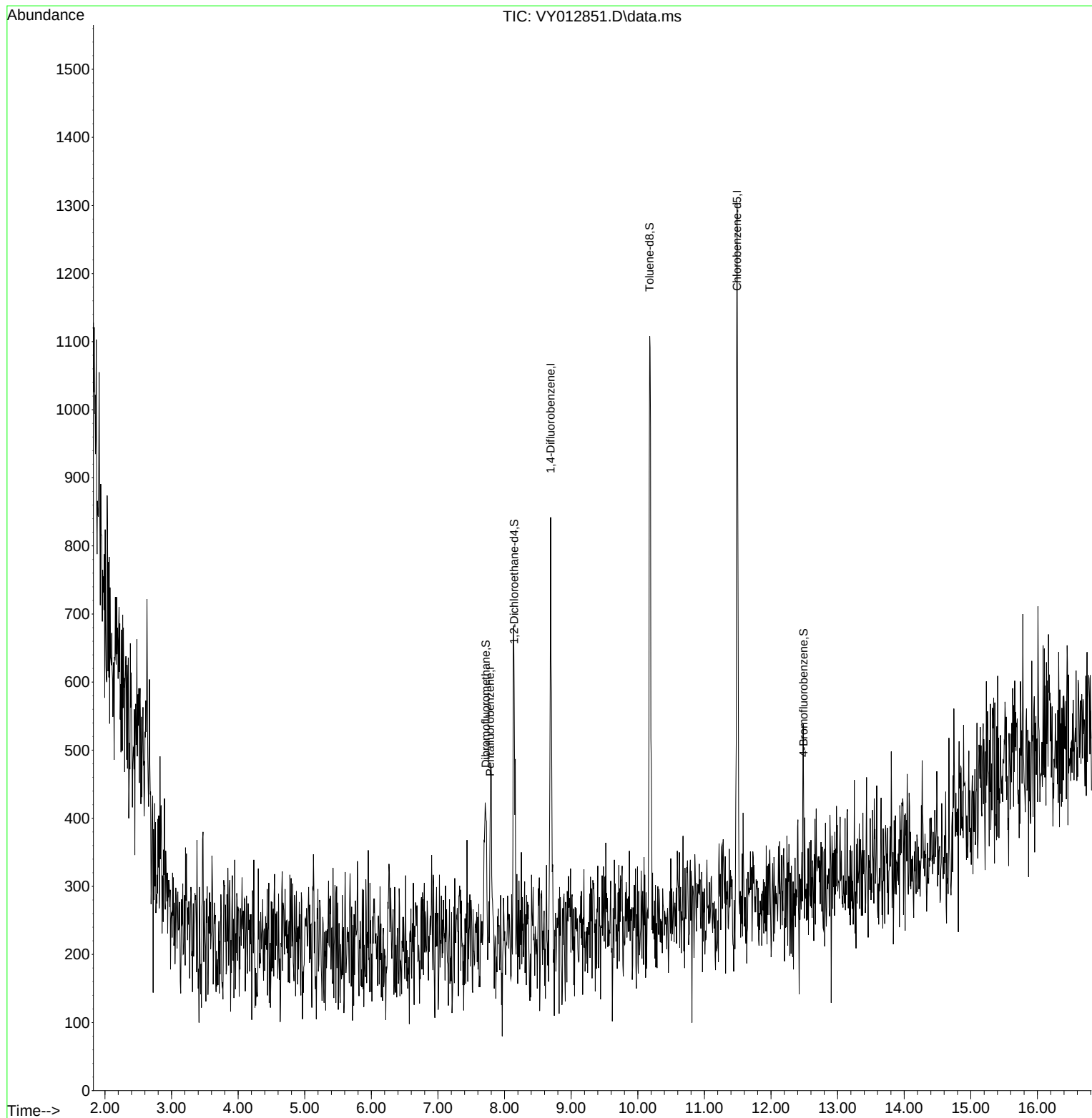
Target Compounds Qvalue

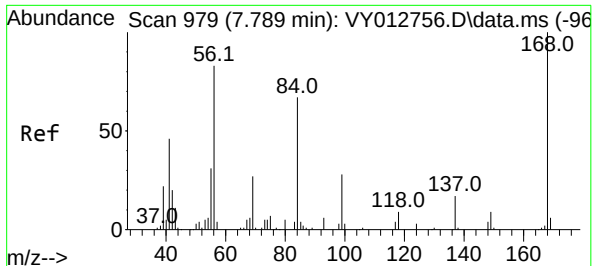
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HR-3-03032023RE

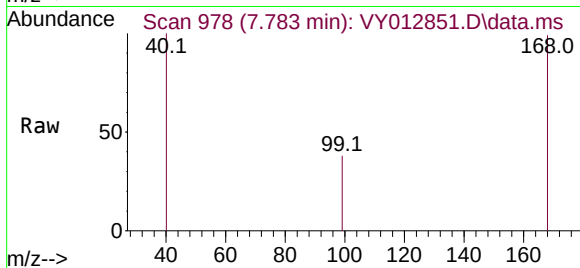
Quant Time: Mar 07 23:44:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration



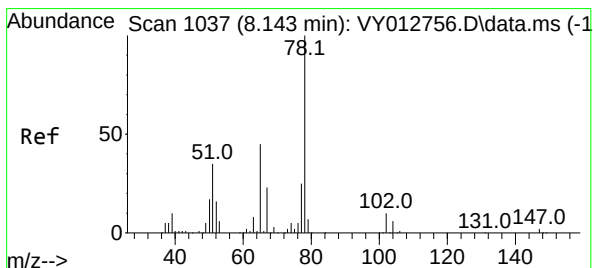
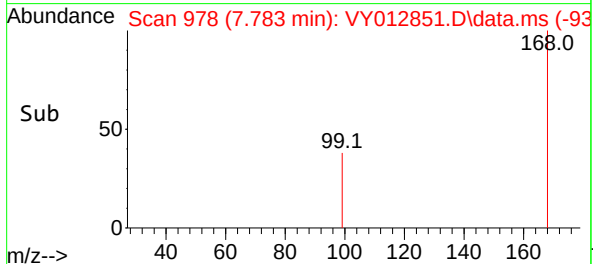
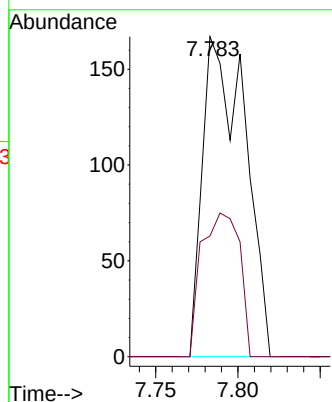


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012851.D  
Acq: 07 Mar 2023 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-3-03032023RE

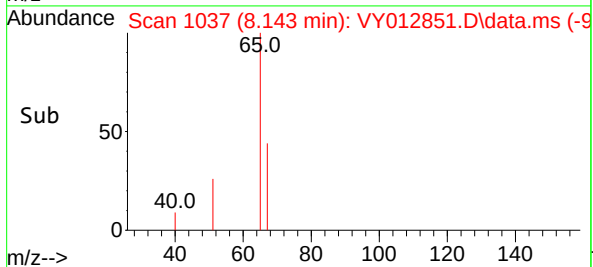
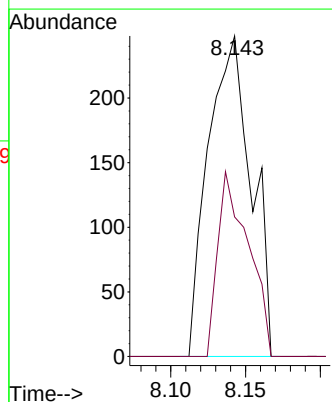
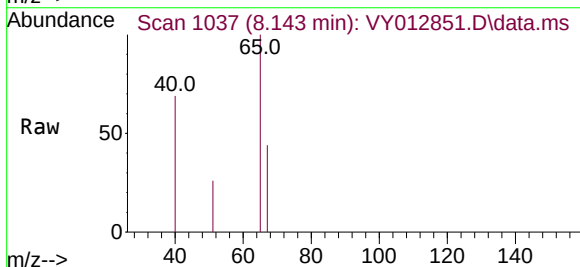


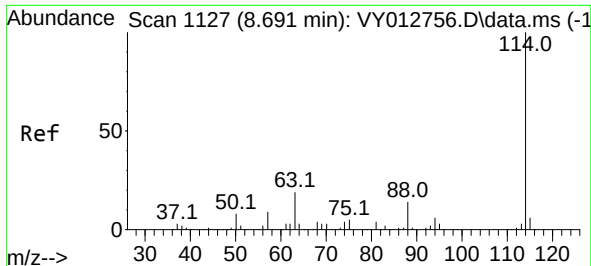
Tgt Ion:168 Resp: 299  
Ion Ratio Lower Upper  
168 100  
99 37.7 41.7 62.5#



#33  
1,2-Dichloroethane-d4  
Concen: 167.077 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012851.D  
Acq: 07 Mar 2023 17:42

Tgt Ion: 65 Resp: 496  
Ion Ratio Lower Upper  
65 100  
67 41.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012851.D

Acq: 07 Mar 2023 17:42

Instrument :

MSVOA\_Y

ClientSampleId :

HR-3-03032023RE

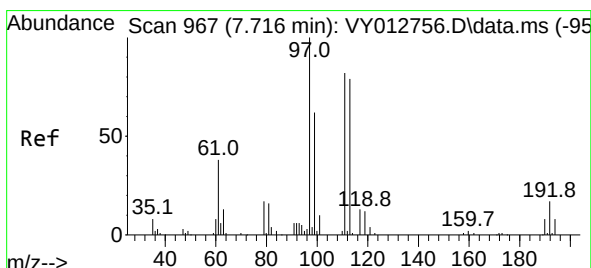
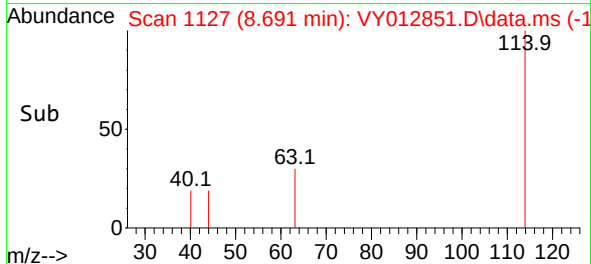
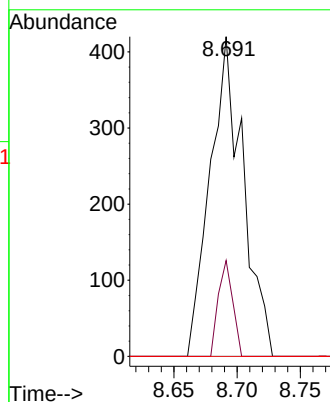
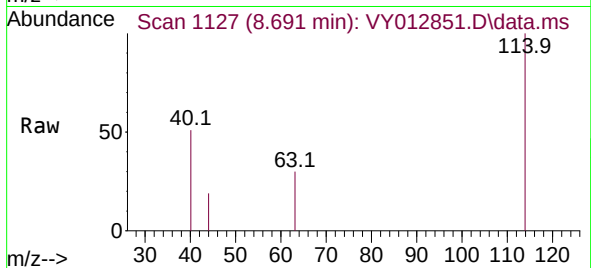
Tgt Ion:114 Resp: 761

Ion Ratio Lower Upper

114 100

63 30.0 0.0 37.4

88 0.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 48.774 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012851.D

Acq: 07 Mar 2023 17:42

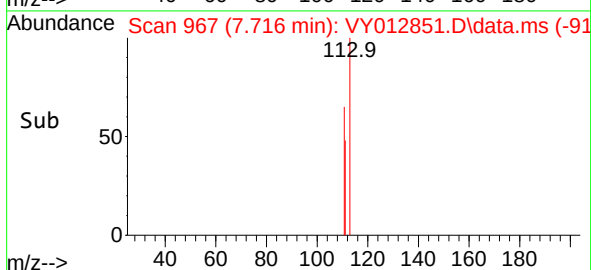
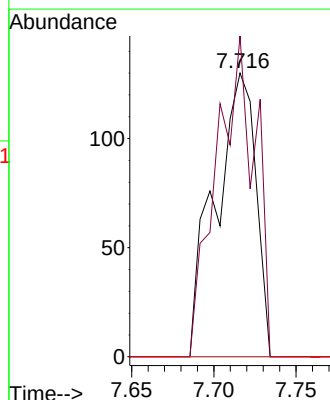
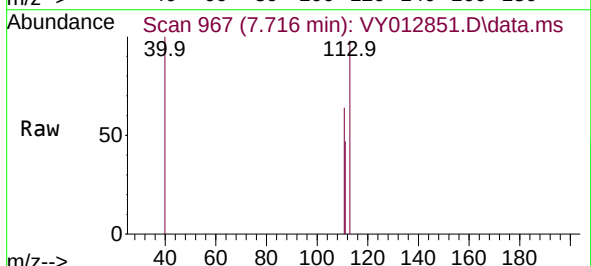
Tgt Ion:113 Resp: 224

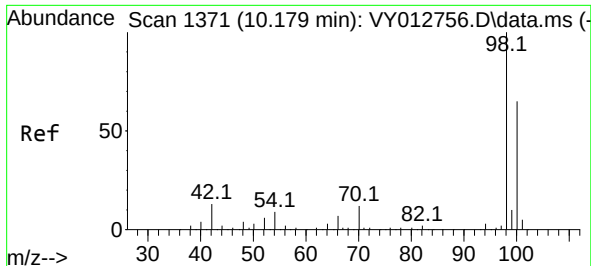
Ion Ratio Lower Upper

113 100

111 108.5 82.2 123.2

192 0.0 16.8 25.2#





#50

Toluene-d8

Concen: 51.579 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012851.D

Acq: 07 Mar 2023 17:42

Instrument :

MSVOA\_Y

ClientSampleId :

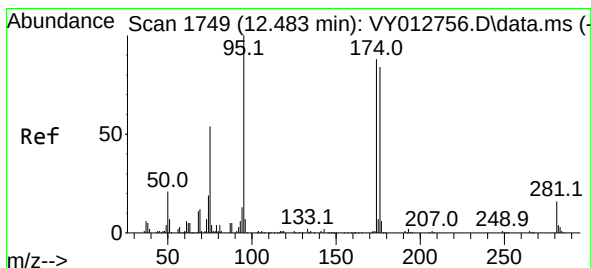
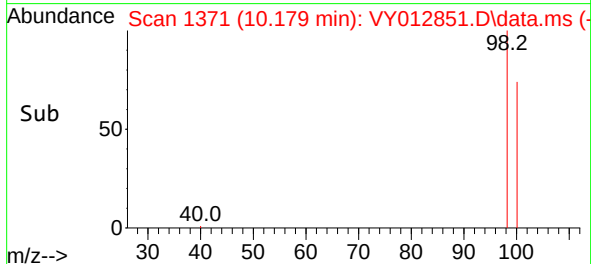
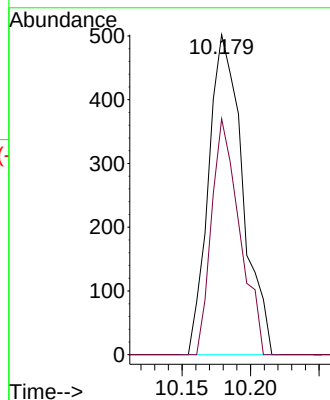
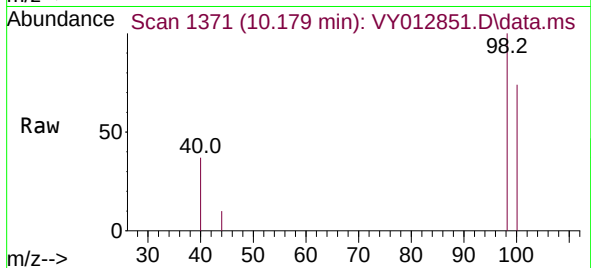
HR-3-03032023RE

Tgt Ion: 98 Resp: 866

Ion Ratio Lower Upper

98 100

100 60.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 20.117 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY012851.D

Acq: 07 Mar 2023 17:42

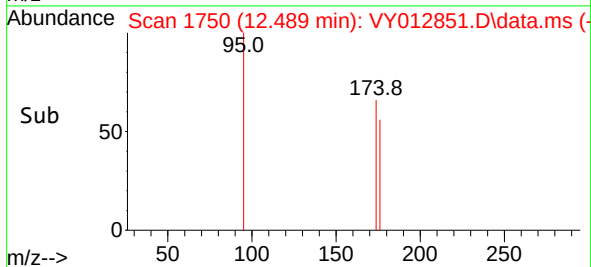
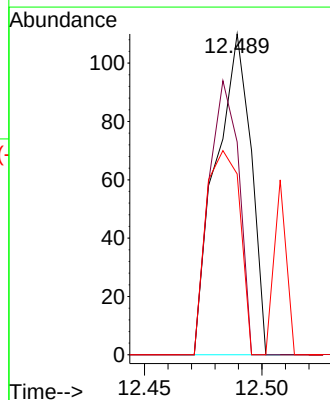
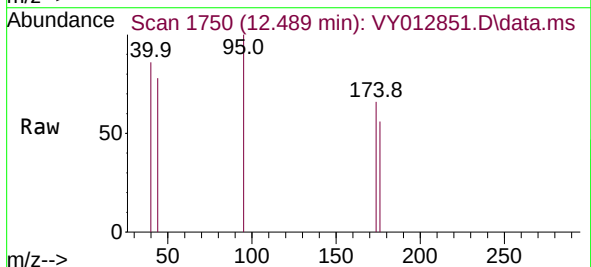
Tgt Ion: 95 Resp: 114

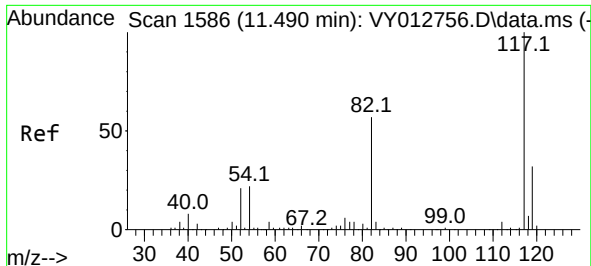
Ion Ratio Lower Upper

95 100

174 72.8 0.0 176.6

176 61.4 0.0 170.2

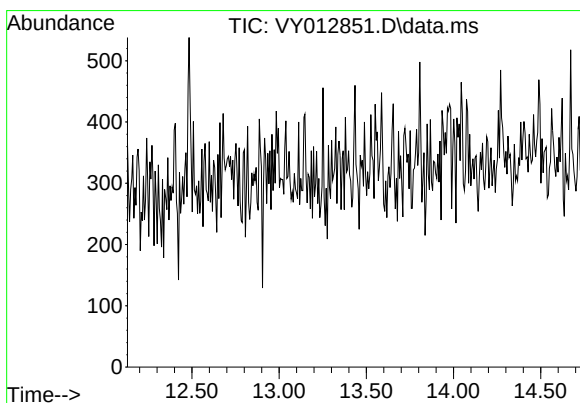
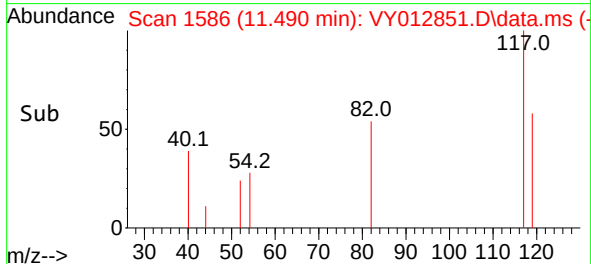
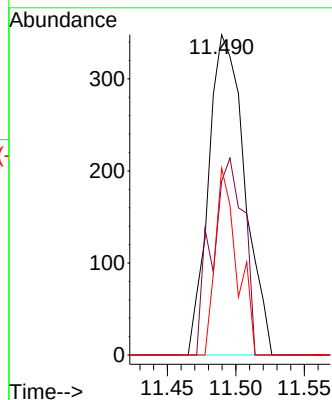
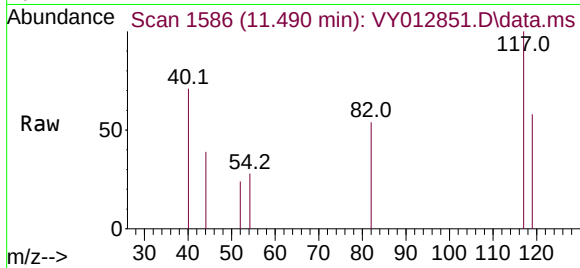




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012851.D  
Acq: 07 Mar 2023 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-3-03032023RE

Tgt Ion:117 Resp: 639  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.4 68.0  
119 58.3 25.6 38.4#



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.43 min

Lab File: VY012851.D  
Acq: 07 Mar 2023 17:42

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

