

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042122\  
 Data File : VY008449.D  
 Acq On : 21 Apr 2022 18:36  
 Operator : KP/MD  
 Sample : N2511-01  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 22 05:27:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 41       | 50.000   | ug/l  | # 0.01   |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 172      | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 48       | 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   | 0.000  | 65    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 0.000%#  |
| 35) Dibromofluoromethane    | 0.000  | 113   | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 0.000%#  |
| 50) Toluene-d8              | 10.179 | 98    | 191      | 43.472   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 86.940%  |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 0.000%#  |

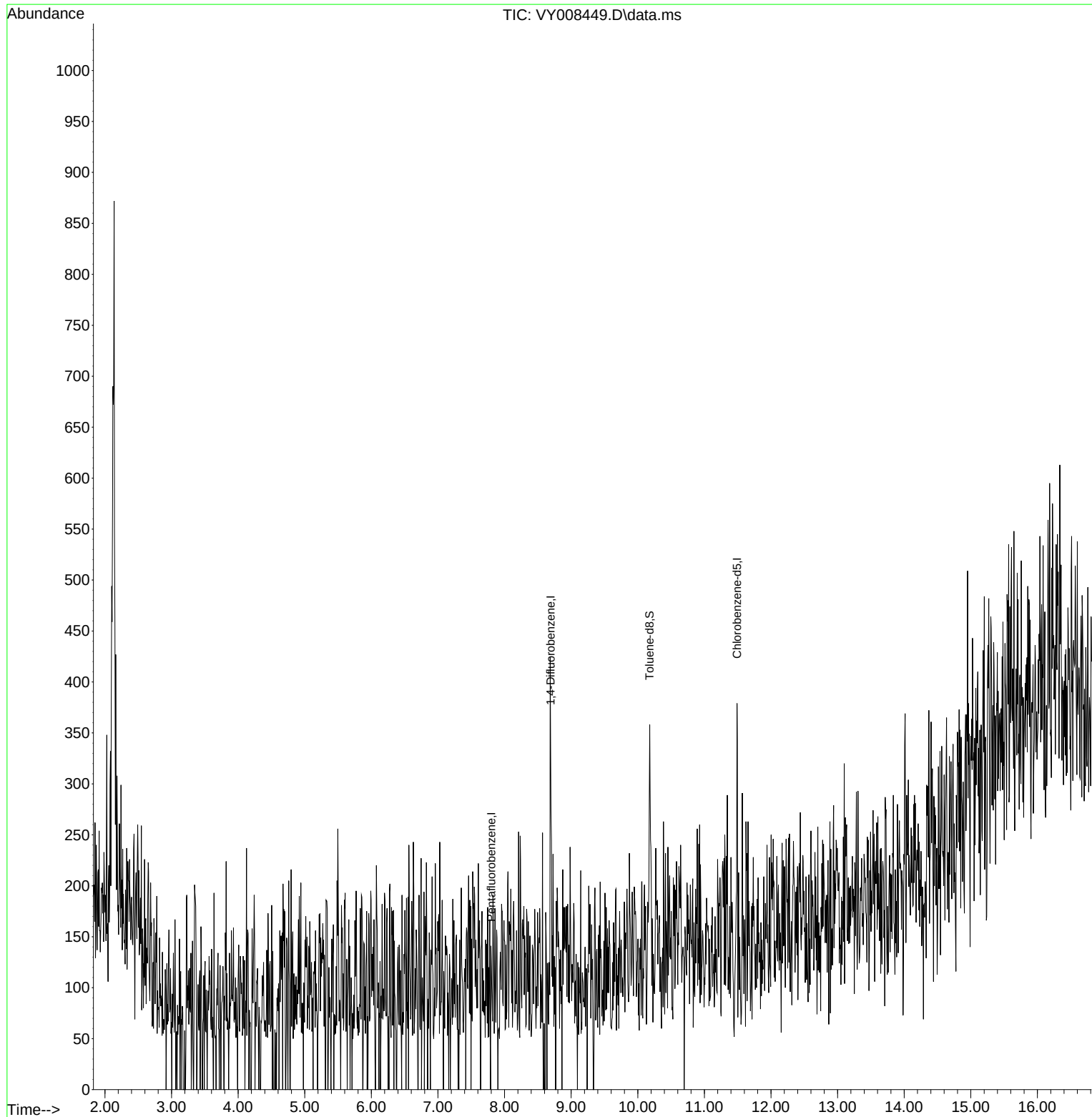
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

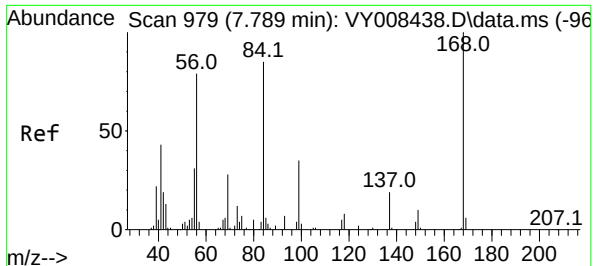
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 91

Delta R.T. 0.012 min

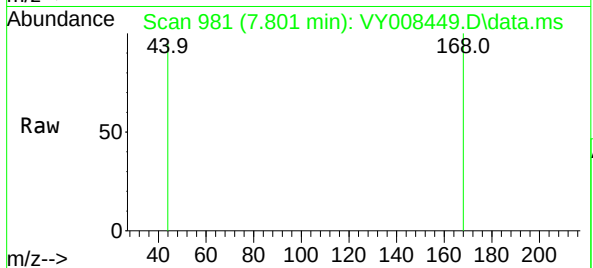
Lab File: VY008449.D

Acq: 21 Apr 2022 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

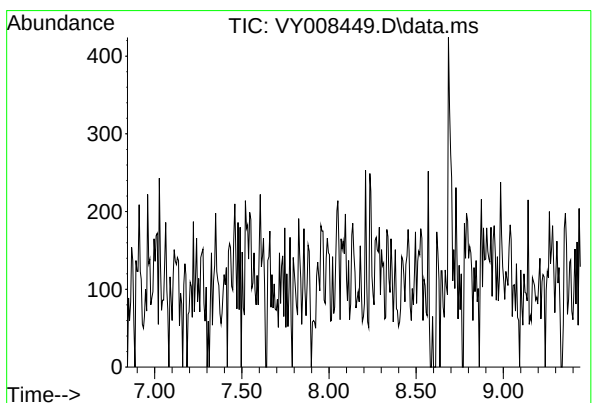
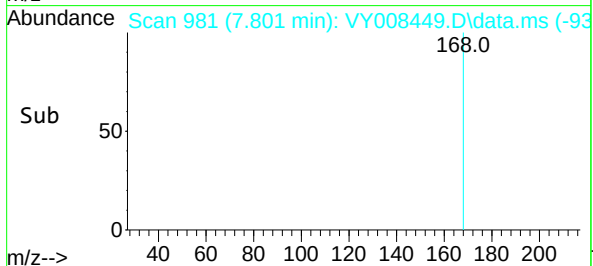
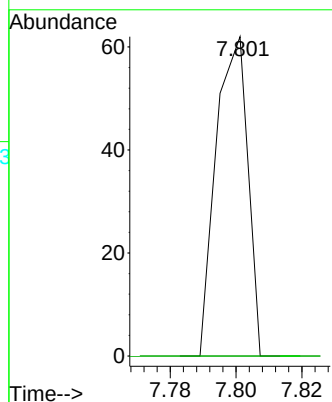


Tgt Ion:168 Resp: 41

Ion Ratio Lower Upper

168 100

99 0.0 46.9 70.3#



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.14 min

Lab File: VY008449.D

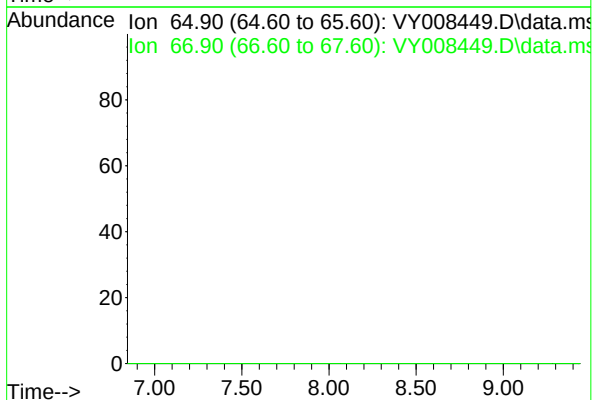
Acq: 21 Apr 2022 18:36

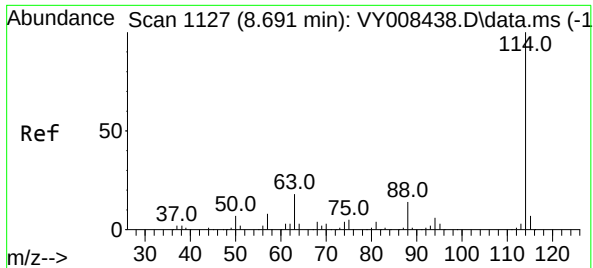
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.7





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008449.D

Acq: 21 Apr 2022 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

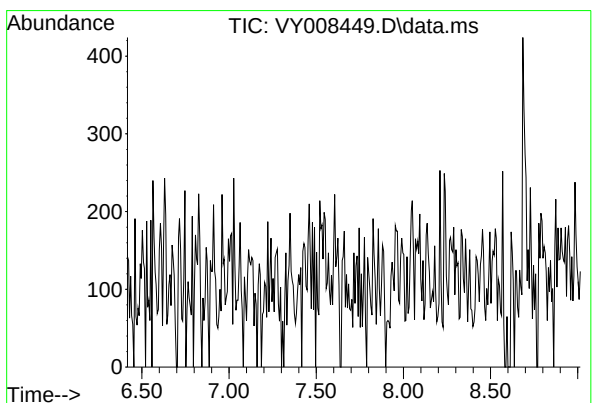
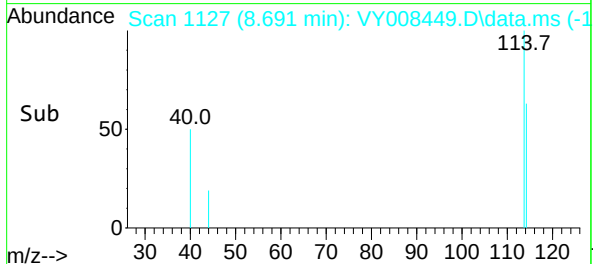
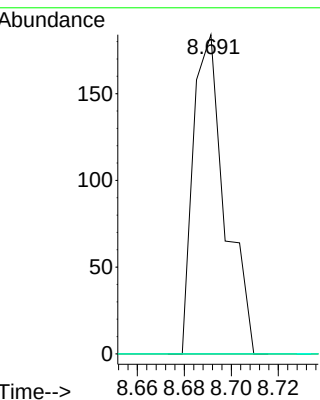
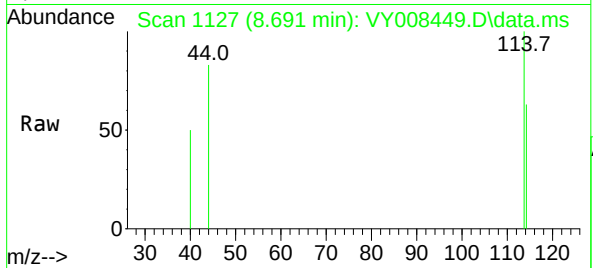
Tgt Ion:114 Resp: 172

Ion Ratio Lower Upper

114 100

63 0.0 0.0 43.2

88 0.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.72 min

Lab File: VY008449.D

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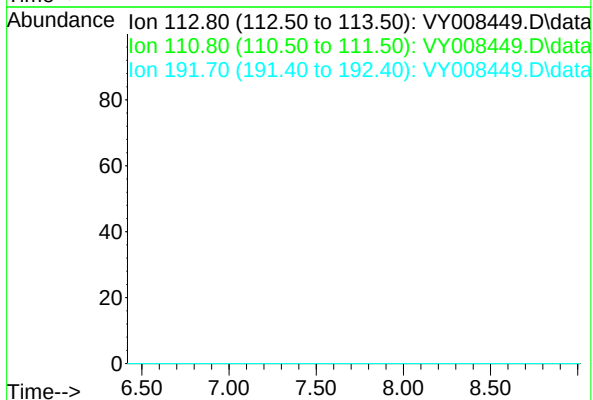
Tgt Ion: 113

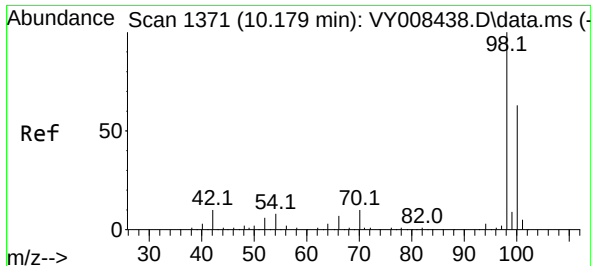
Sig Exp Ratio

113 100

111 103.3

192 22.0





#50

Toluene-d8

Concen: 43.472 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

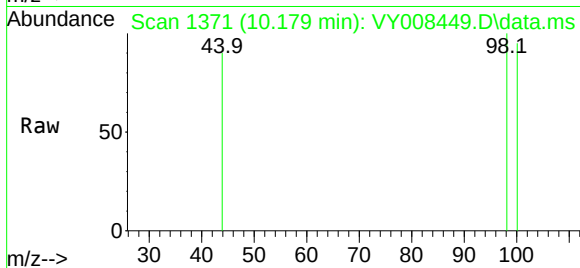
Lab File: VY008449.D

Acq: 21 Apr 2022 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

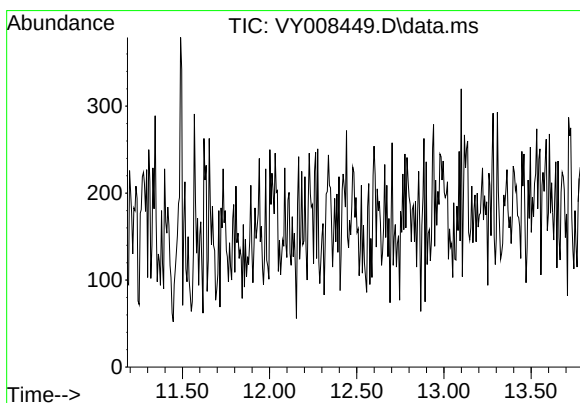
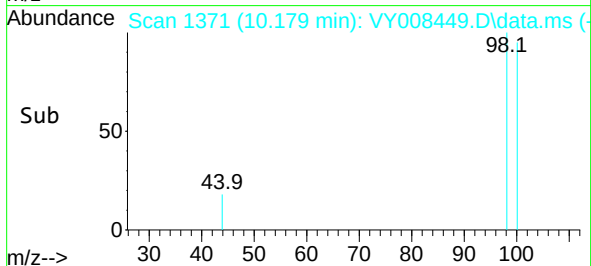
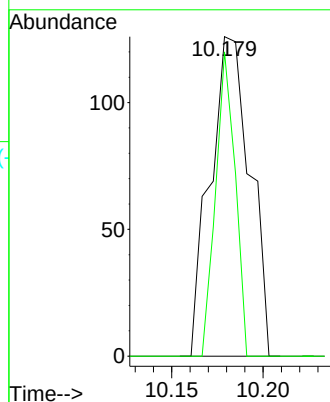


Tgt Ion: 98 Resp: 191

Ion Ratio Lower Upper

98 100

100 46.6 50.2 75.2#



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.48 min

Lab File: VY008449.D

Acq: 21 Apr 2022 18:36

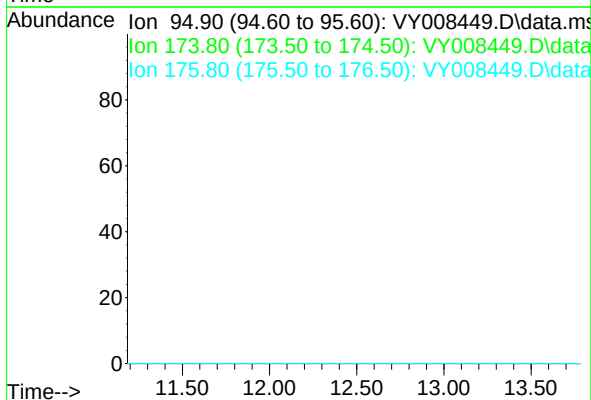
Tgt Ion: 95

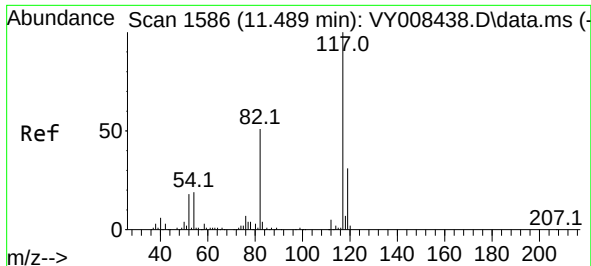
Sig Exp Ratio

95 100

174 88.5

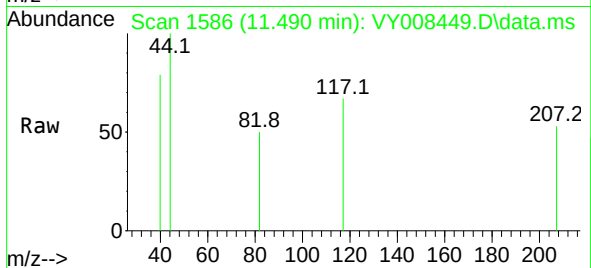
176 87.9



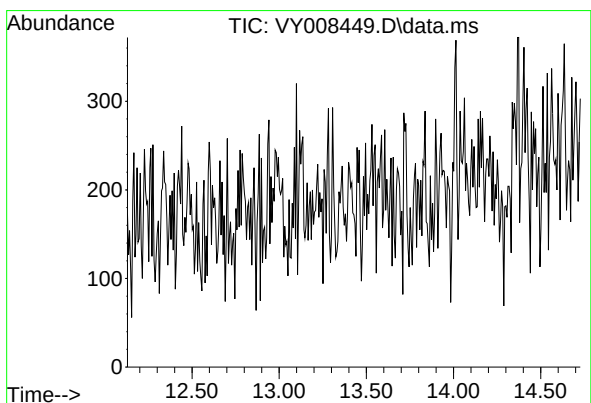
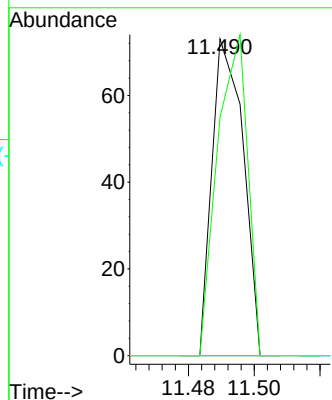
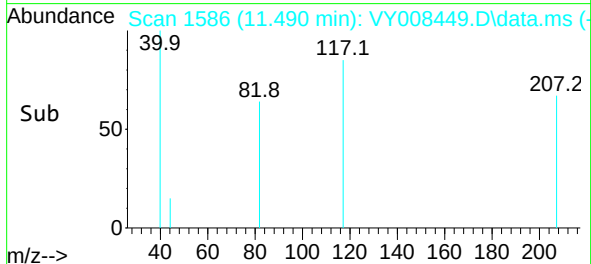


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008449.D  
Acq: 21 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion:117 Resp: 48  
Ion Ratio Lower Upper  
117 100  
82 75.3 43.0 64.4#  
119 0.0 25.4 38.0#



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

Lab File: VY008449.D  
Acq: 21 Apr 2022 18:36

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 56.5  
150 173.8

