

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020325\  
 Data File : VY021037.D  
 Acq On : 03 Feb 2025 18:11  
 Operator : SY/MD  
 Sample : Q1216-13  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 IBLK

Quant Time: Feb 04 00:58:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

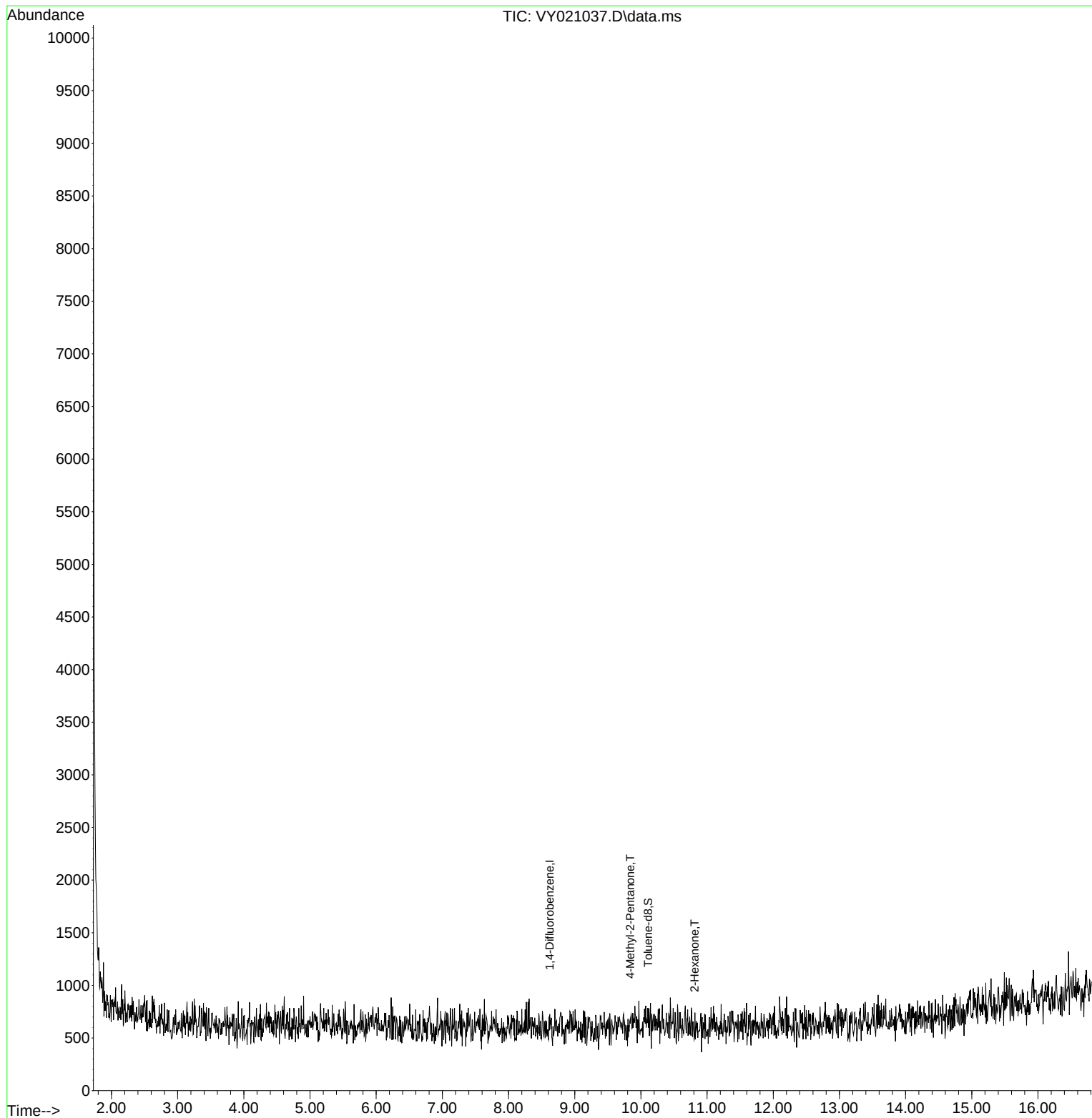
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Pentafluorobenzene       | 0.000  | 168   | 0        | 0.000    | ug/l   | -7.71     |
| 34) 1,4-Difluorobenzene     | 8.622  | 114   | 27       | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 0.000  | 117   | 0        | 0.000    | ug/l   | -11.42    |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l   | -13.35    |
| 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              | 10.109 | 98    | 57       | 86.527   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 173.060%# |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l   |           |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 0.000%#   |
| Target Compounds            |        |       |          |          |        |           |
|                             |        |       |          |          | Qvalue |           |
| 51) 4-Methyl-2-Pentanone    | 9.841  | 43    | 19       | 169.122  | ug/l # | 35        |
| 59) 2-Hexanone              | 10.810 | 43    | 23       | 317.968  | ug/l # | 23        |
| -----                       |        |       |          |          |        |           |

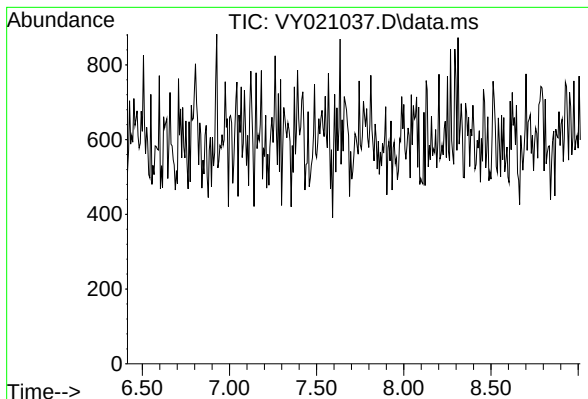
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A\_Y\Data\VY020325\  
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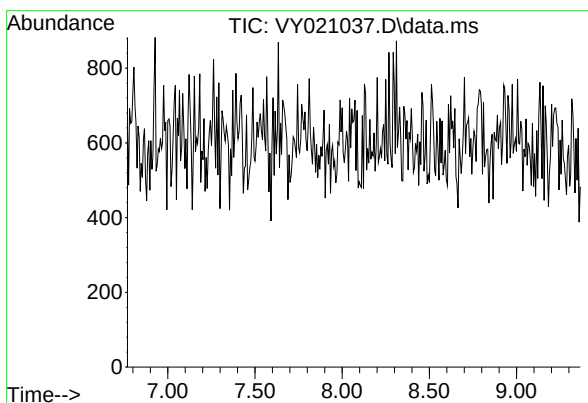
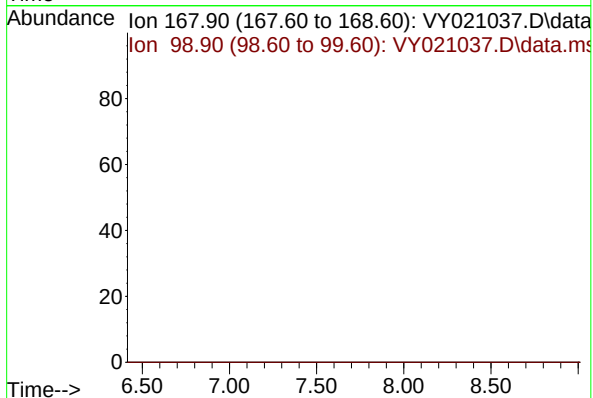




#1  
Pentafluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 7.71 min  
  
Lab File: VY021037.D  
Acq: 03 Feb 2025 18:11

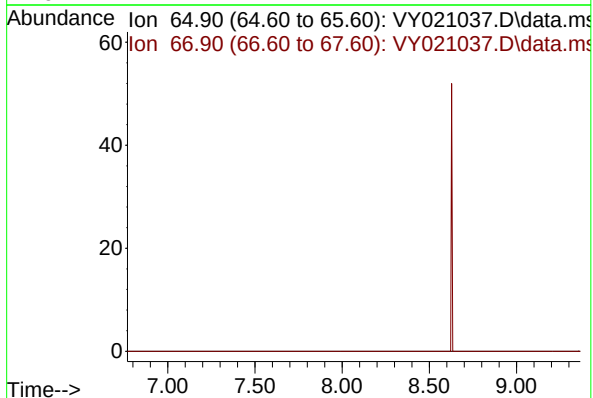
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

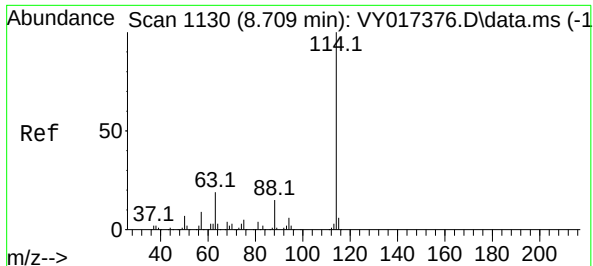
Tgt Ion: 168  
Sig Exp Ratio  
168 100  
99 55.3



#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 8.07 min  
  
Lab File: VY021037.D  
Acq: 03 Feb 2025 18:11

Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 54.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021037.D

Acq: 03 Feb 2025 18:11

Instrument :

MSVOA\_Y

ClientSampleId :

IBLK

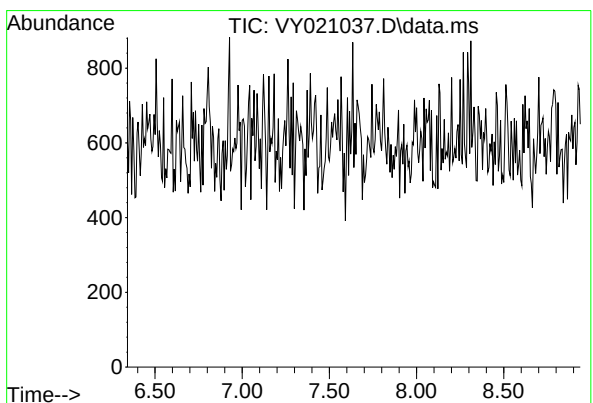
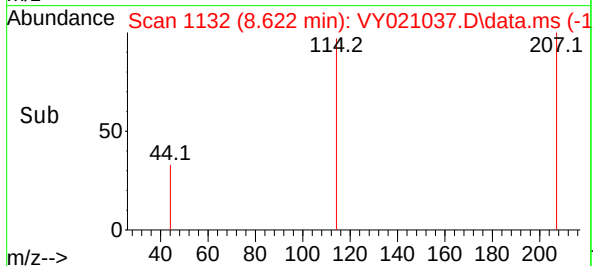
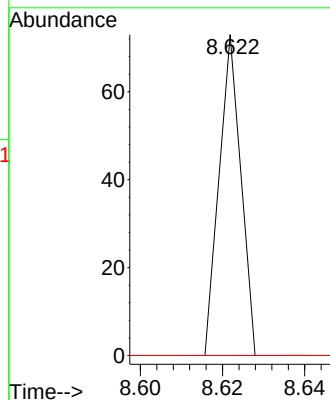
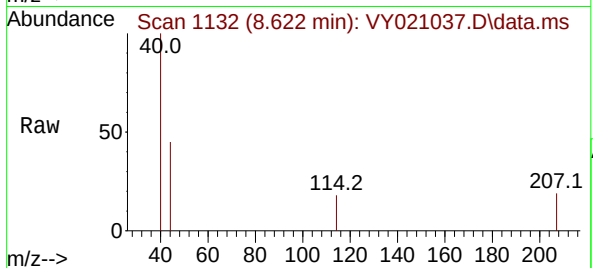
Tgt Ion:114 Resp: 27

Ion Ratio Lower Upper

114 100

63 0.0 0.0 37.4

88 0.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.64 min

Lab File: VY021037.D

Acq: 03 Feb 2025 18:11

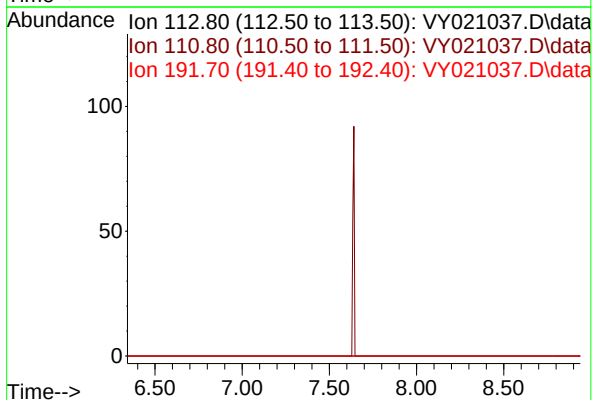
Tgt Ion: 113

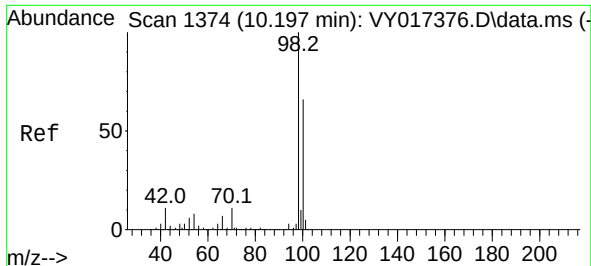
Sig Exp Ratio

113 100

111 104.7

192 18.1





#50

Toluene-d8

Concen: 86.527 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021037.D

Acq: 03 Feb 2025 18:11

Instrument :

MSVOA\_Y

ClientSampleId :

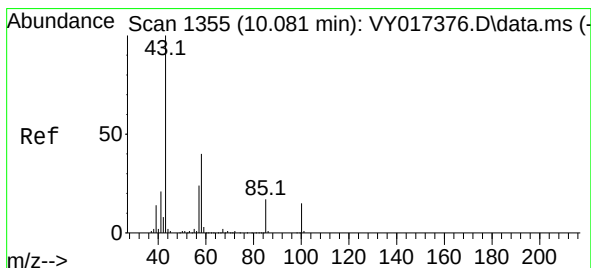
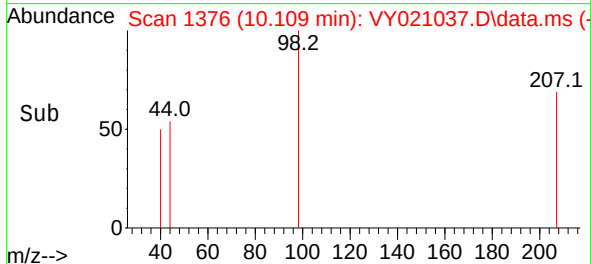
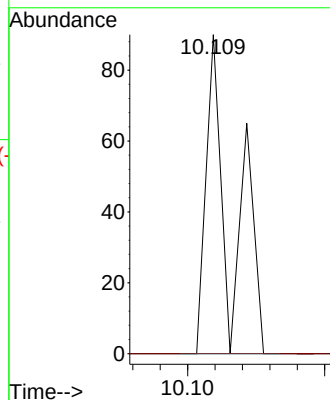
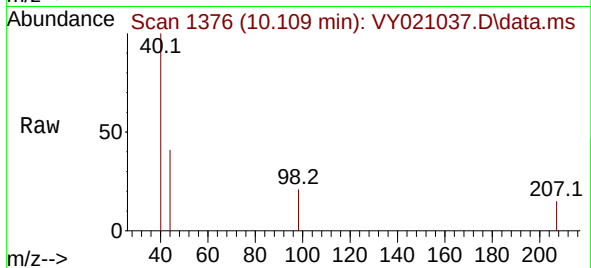
IBLK

Tgt Ion: 98 Resp: 57

Ion Ratio Lower Upper

98 100

100 0.0 52.3 78.5#



#51

4-Methyl-2-Pentanone

Concen: 169.122 ug/l

RT: 9.841 min Scan# 1332

Delta R.T. -0.159 min

Lab File: VY021037.D

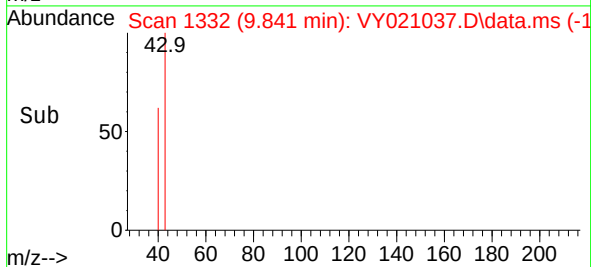
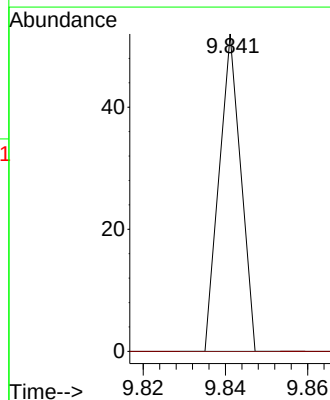
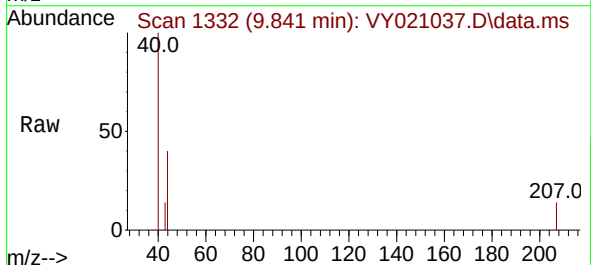
Acq: 03 Feb 2025 18:11

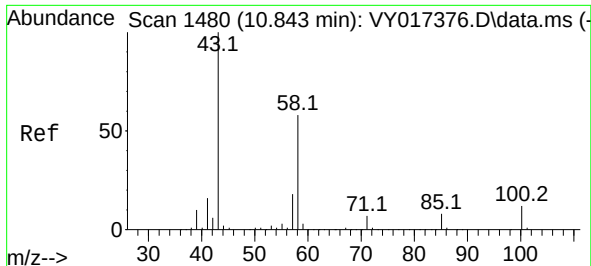
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.2#

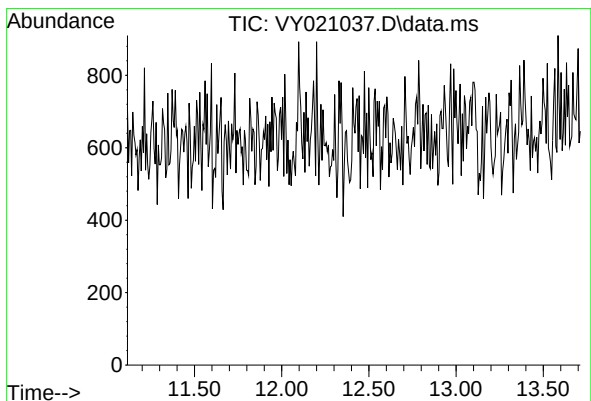
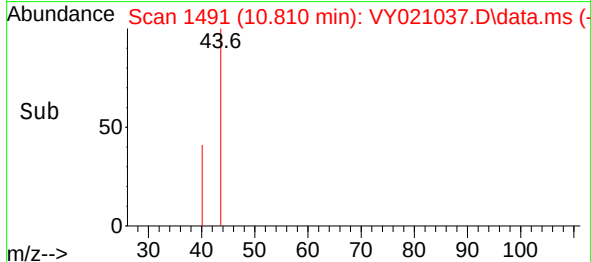
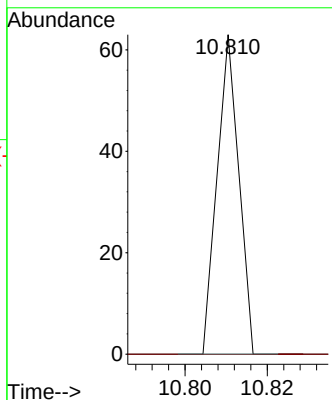
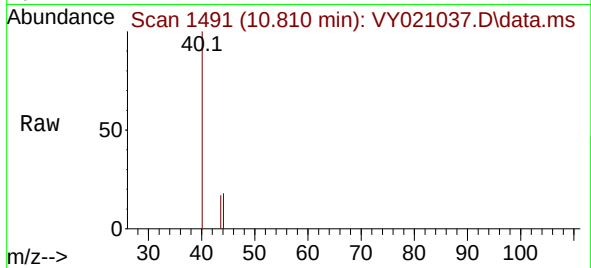




#59  
2-Hexanone  
Concen: 317.968 ug/l  
RT: 10.810 min Scan# 14  
Delta R.T. 0.043 min  
Lab File: VY021037.D  
Acq: 03 Feb 2025 18:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

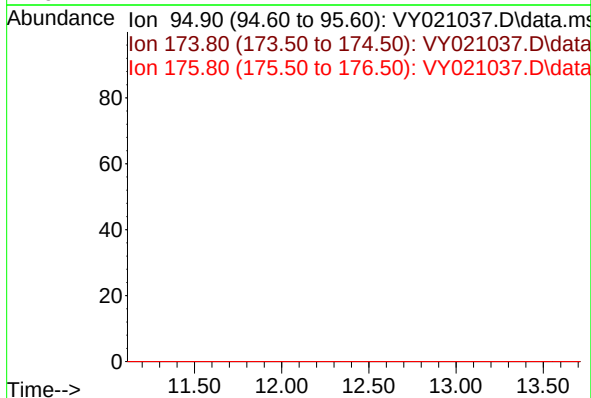
Tgt Ion: 43 Resp: 23  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.1 84.3#

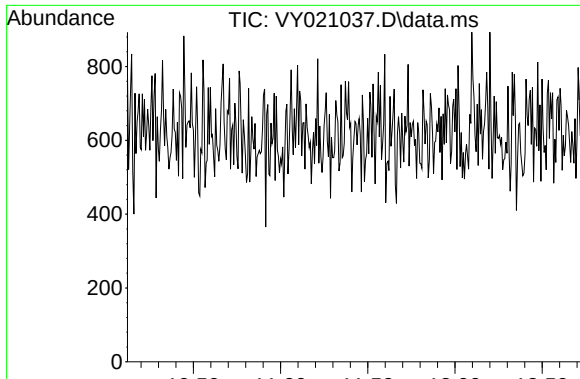


#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 12.41 min

Lab File: VY021037.D  
Acq: 03 Feb 2025 18:11

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 80.0  
176 75.9

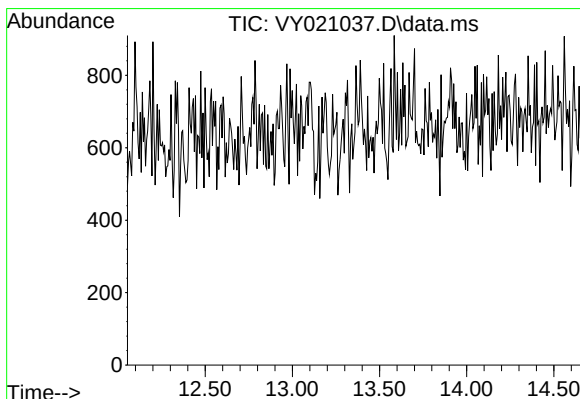
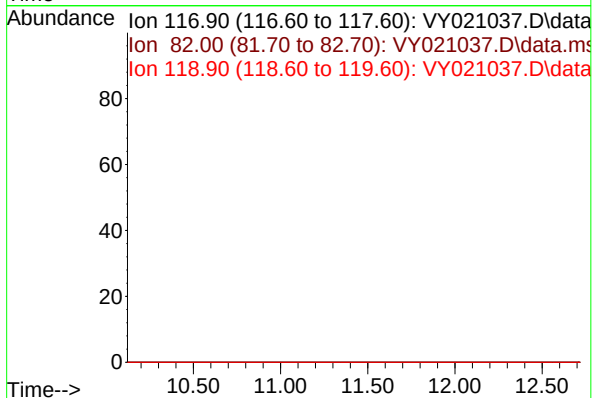




#63  
Chlorobenzene-d5  
Concen: 0.000 ug/l  
Expected RT: 11.42 min  
  
Lab File: VY021037.D  
Acq: 03 Feb 2025 18:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

Tgt Ion: 117  
Sig Exp Ratio  
117 100  
82 54.8  
119 33.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.35 min  
  
Lab File: VY021037.D  
Acq: 03 Feb 2025 18:11

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 60.0  
150 172.3

