

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030322\  
 Data File : VY007701.D  
 Acq On : 03 Mar 2022 13:58  
 Operator : SY/MD  
 Sample : N1751-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUM-11

Quant Time: Mar 04 00:41:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

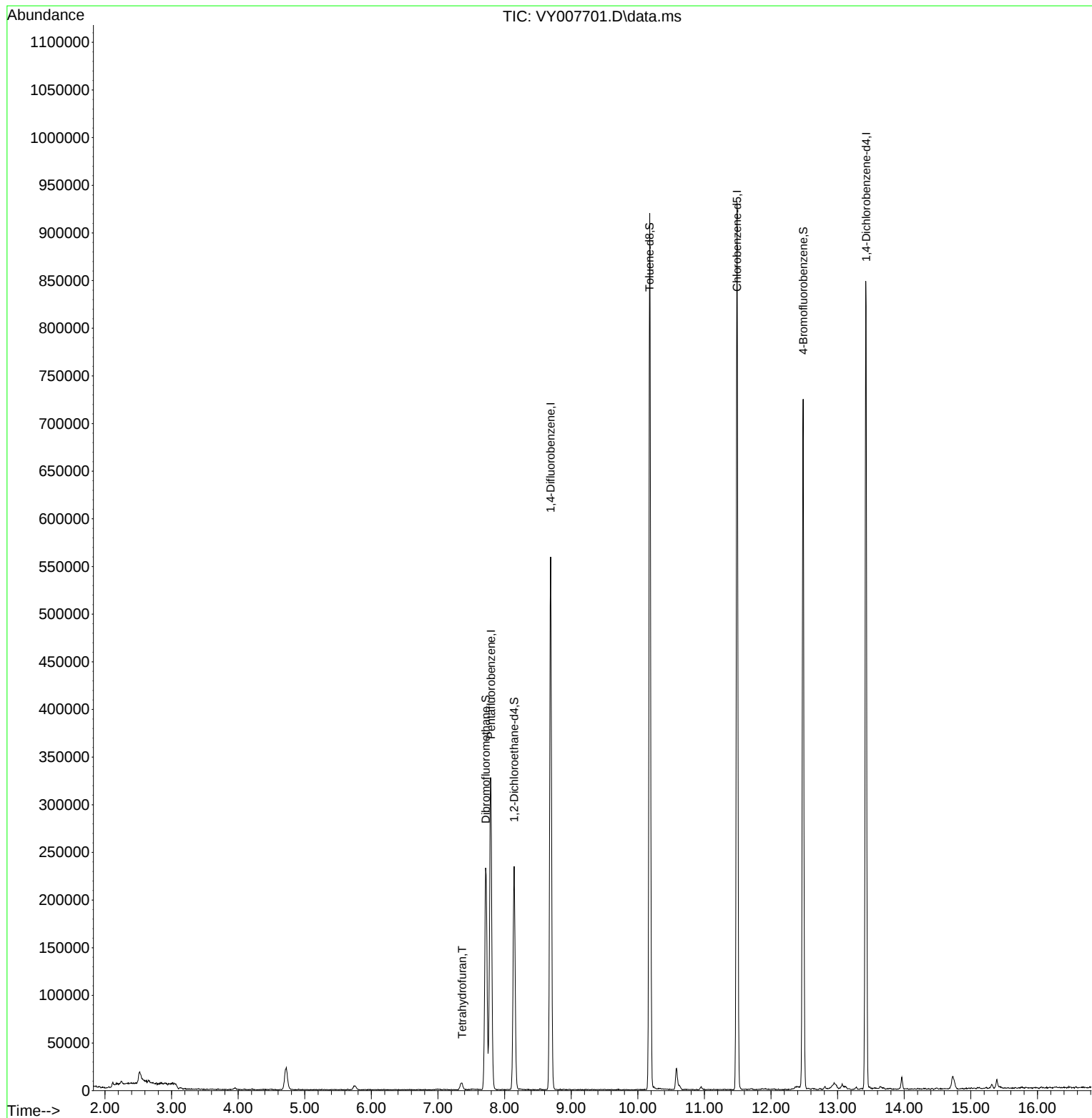
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.795  | 168   | 261229   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 474684   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 481614   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 217317   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 174659   | 63.865   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 127.720% |             |
| 35) Dibromofluoromethane    | 7.716  | 113   | 163523   | 53.883   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.760% |             |
| 50) Toluene-d8              | 10.179 | 98    | 599358   | 53.652   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 107.300% |             |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 195446   | 54.276   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 108.560% |             |
| Target Compounds            |        |       |          |          |            |             |
| 29) Tetrahydrofuran         | 7.362  | 42    | 6114     | 9.574    | ug/l       | Qvalue # 86 |
| -----                       |        |       |          |          |            |             |

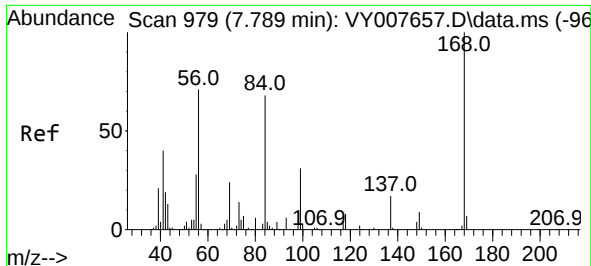
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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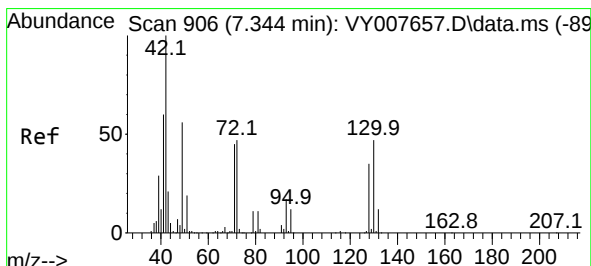
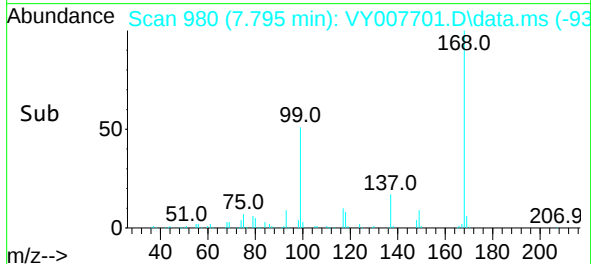
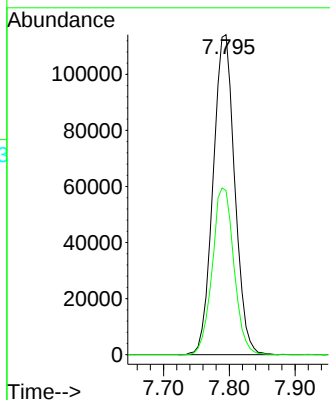
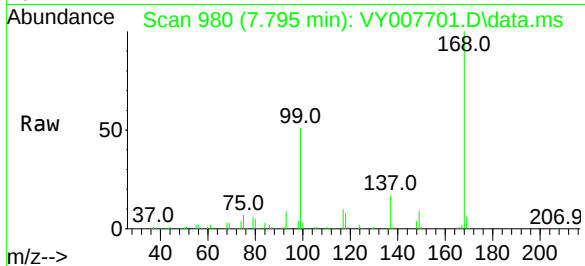




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007701.D  
Acq: 03 Mar 2022 13:58

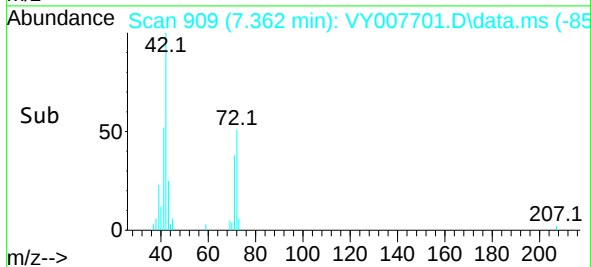
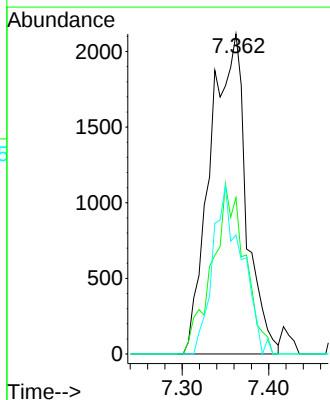
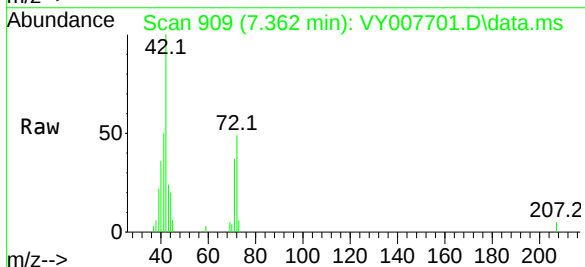
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUM-11

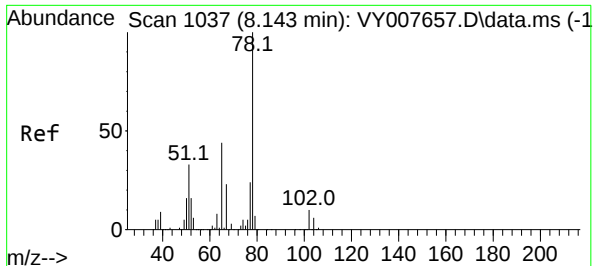
Tgt Ion:168 Resp: 261229  
Ion Ratio Lower Upper  
168 100  
99 51.3 46.9 70.3



#29  
Tetrahydrofuran  
Concen: 9.574 ug/l  
RT: 7.362 min Scan# 909  
Delta R.T. 0.018 min  
Lab File: VY007701.D  
Acq: 03 Mar 2022 13:58

Tgt Ion: 42 Resp: 6114  
Ion Ratio Lower Upper  
42 100  
72 48.2 30.3 45.5#  
71 42.7 29.0 43.4





#33

1,2-Dichloroethane-d4

Concen: 63.865 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

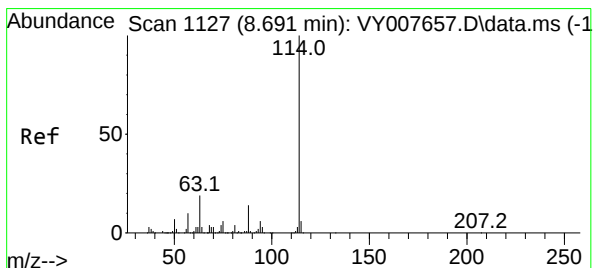
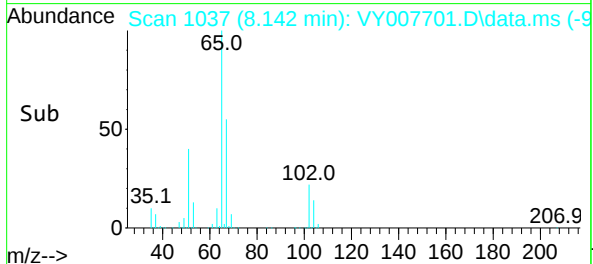
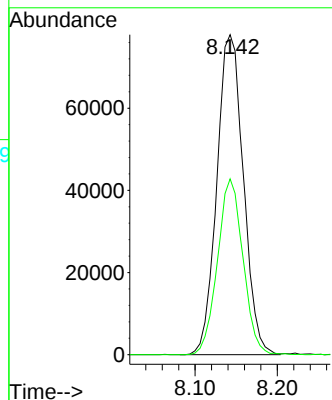
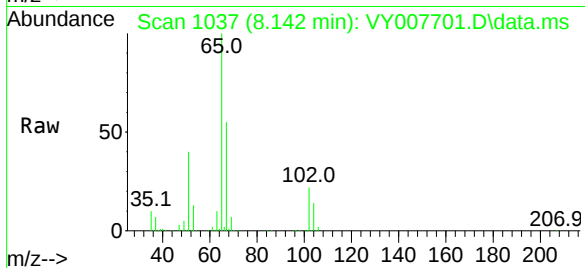
DUM-11

Tgt Ion: 65 Resp: 174659

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

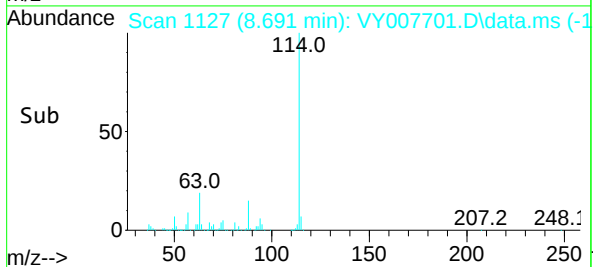
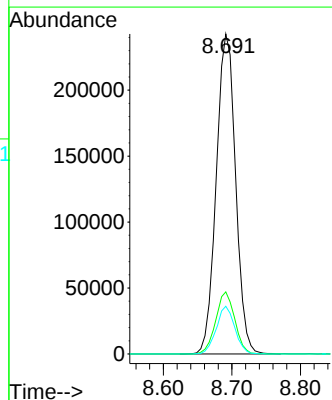
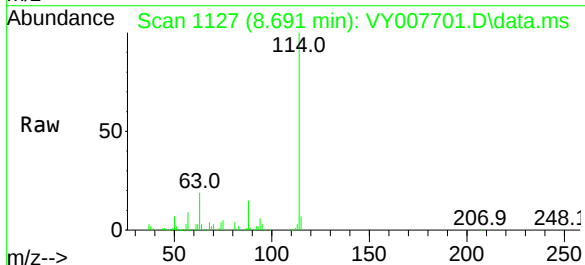
Tgt Ion:114 Resp: 474684

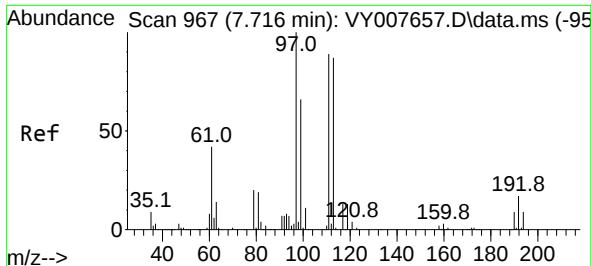
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.883 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

DUM-11

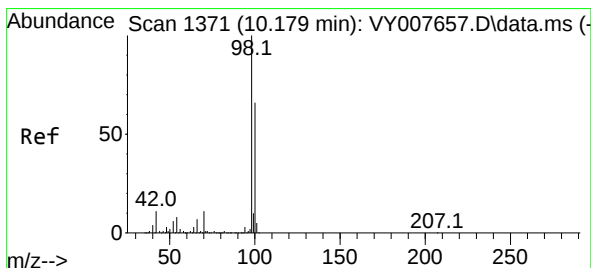
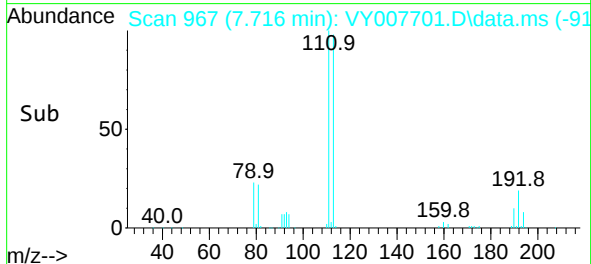
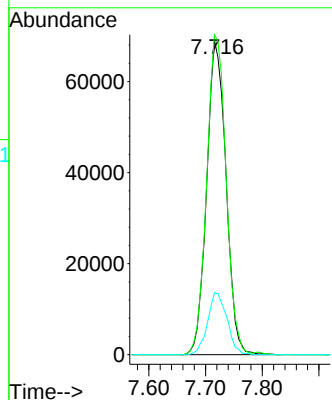
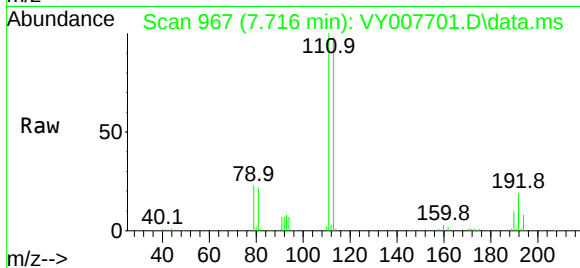
Tgt Ion:113 Resp: 163523

Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 19.8 17.6 26.4



#50

Toluene-d8

Concen: 53.652 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007701.D

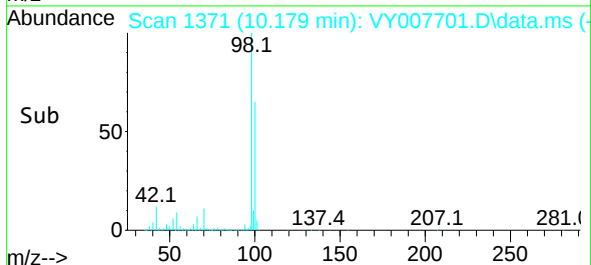
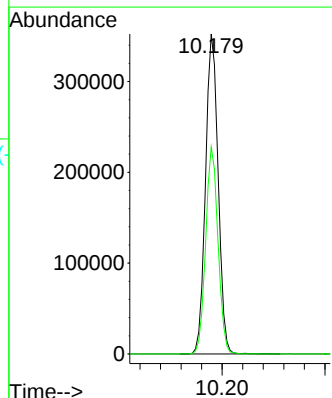
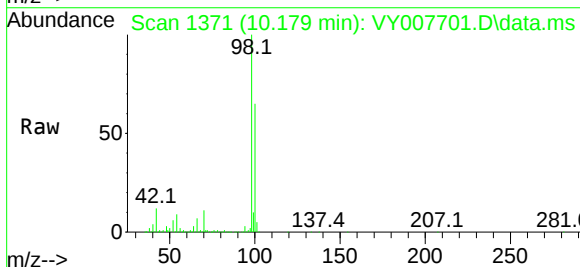
Acq: 03 Mar 2022 13:58

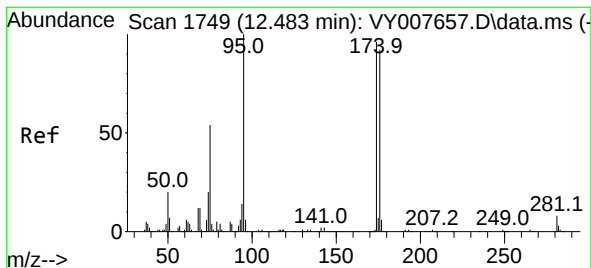
Tgt Ion: 98 Resp: 599358

Ion Ratio Lower Upper

98 100

100 63.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 54.276 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

DUM-11

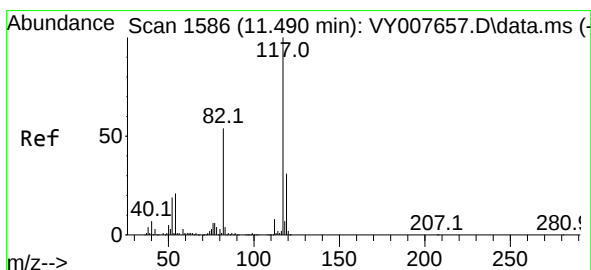
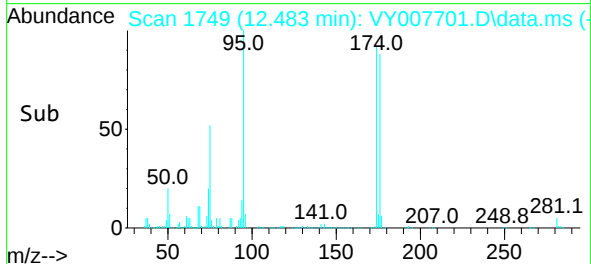
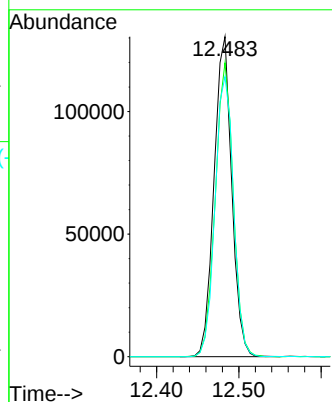
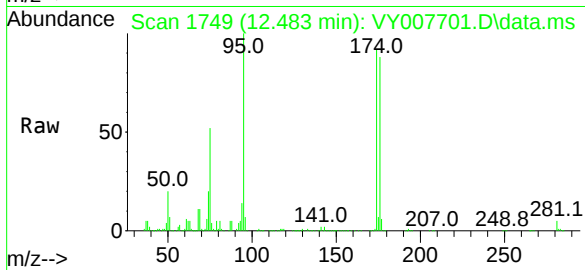
Tgt Ion: 95 Resp: 195446

Ion Ratio Lower Upper

95 100

174 93.0 0.0 177.0

176 91.3 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

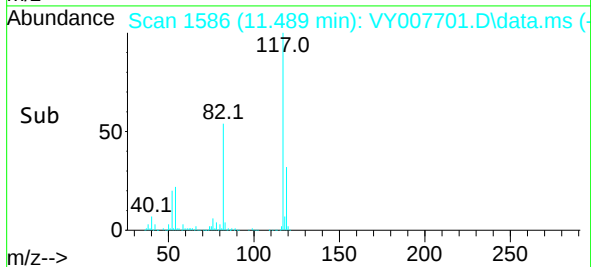
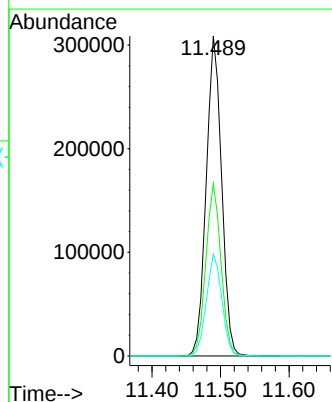
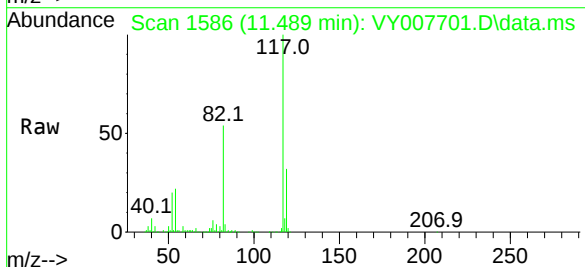
Tgt Ion: 117 Resp: 481614

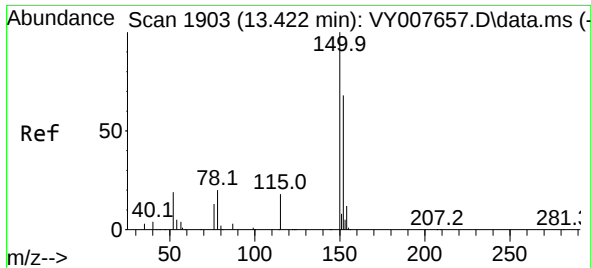
Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

119 31.8 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY007701.D  
 Acq: 03 Mar 2022 13:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 217317  
 Ion Ratio Lower Upper  
 152 100  
 115 55.3 28.2 84.7  
 150 155.7 0.0 347.6

