

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100623\  
 Data File : VY015858.D  
 Acq On : 06 Oct 2023 13:36  
 Operator : SY/MD  
 Sample : 04763-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PAT-1-100423

Quant Time: Oct 07 07:26:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100523S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 05:54:04 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 78897    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 126714   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 105910   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 43988    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 43148    | 55.587   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 111.180% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 40342    | 55.854   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.700% |
| 50) Toluene-d8              | 10.179 | 98    | 145130   | 61.888   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 123.780% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 42151    | 43.975   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 87.940%  |

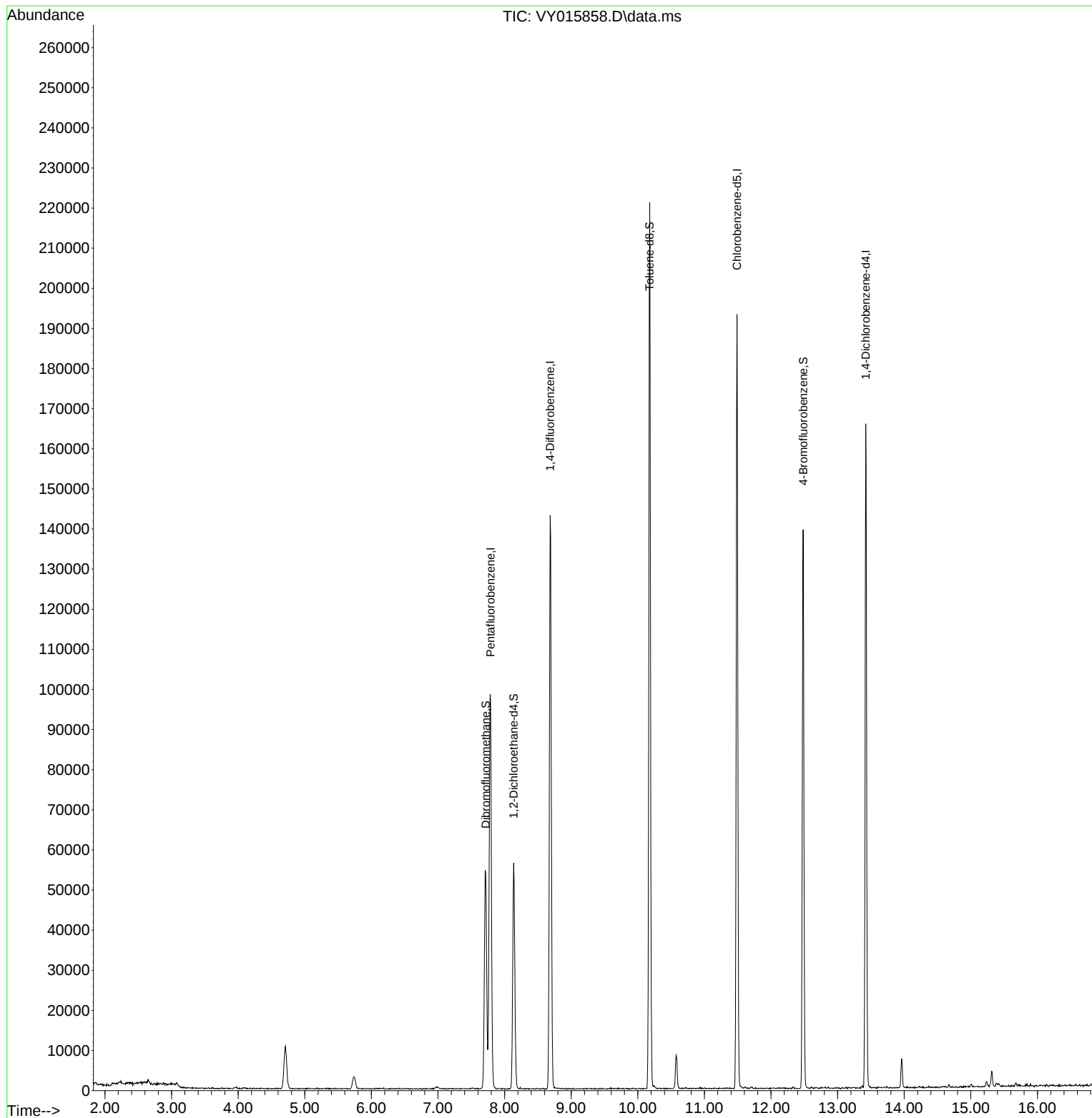
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

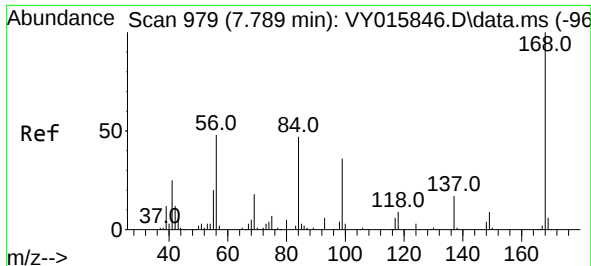
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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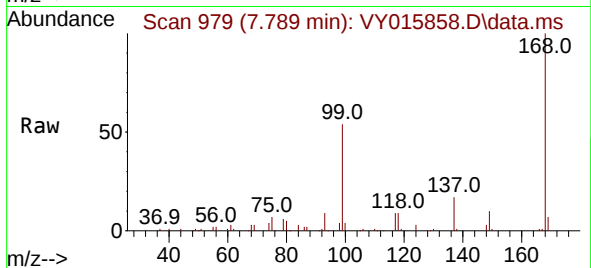
Quant Time: Oct 07 07:26:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100523S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 06 05:54:04 2023  
Response via : Initial Calibration



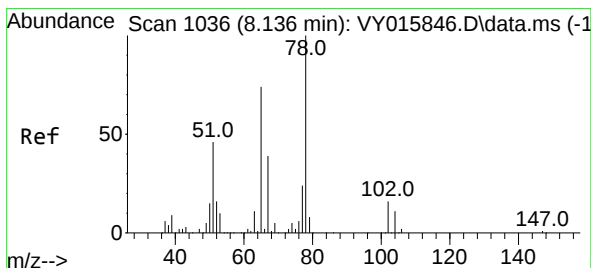
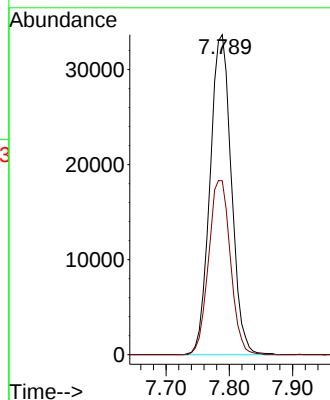
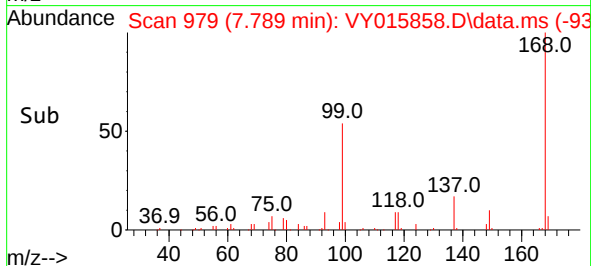


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015858.D  
Acq: 06 Oct 2023 13:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PAT-1-100423

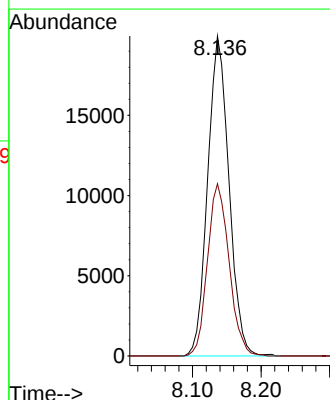
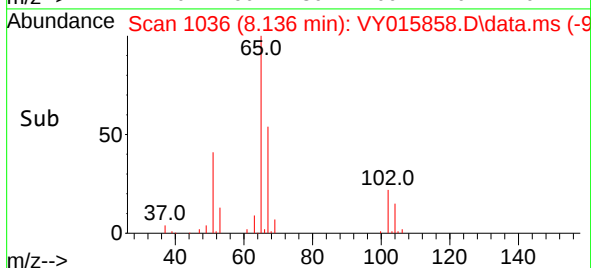
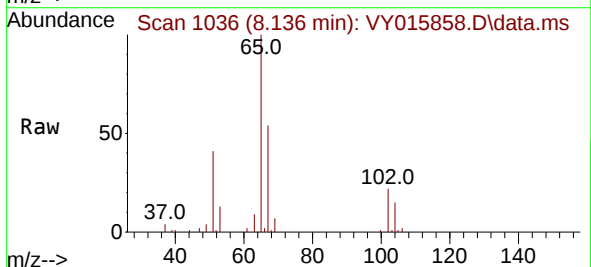


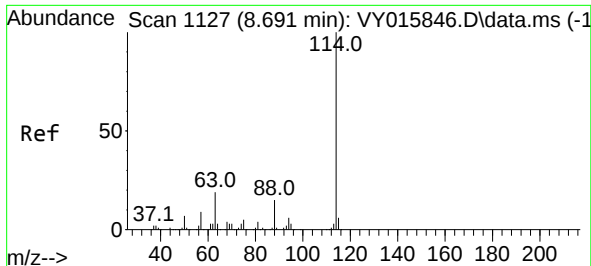
Tgt Ion:168 Resp: 78897  
Ion Ratio Lower Upper  
168 100  
99 54.3 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 55.587 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015858.D  
Acq: 06 Oct 2023 13:36

Tgt Ion: 65 Resp: 43148  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY015858.D

Acq: 06 Oct 2023 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

PAT-1-100423

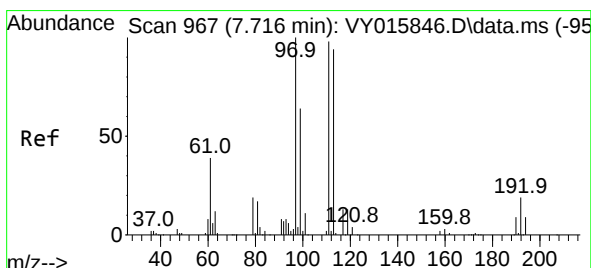
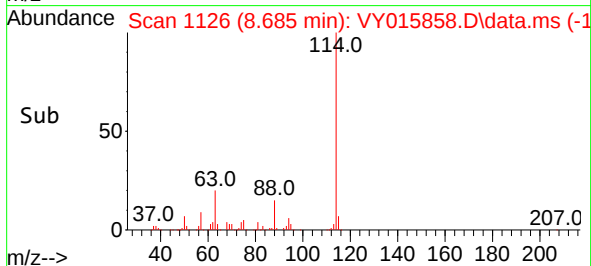
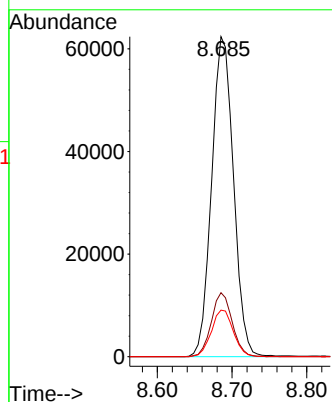
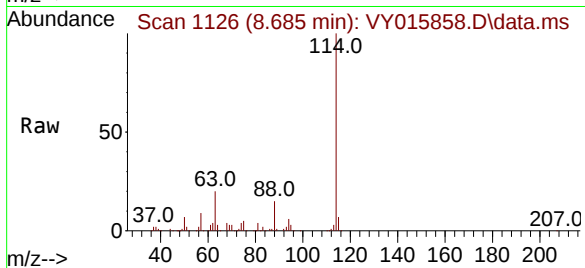
Tgt Ion:114 Resp: 126714

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.854 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015858.D

Acq: 06 Oct 2023 13:36

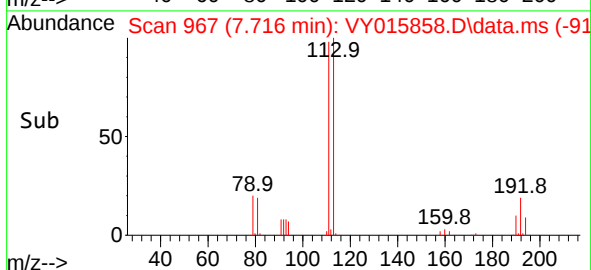
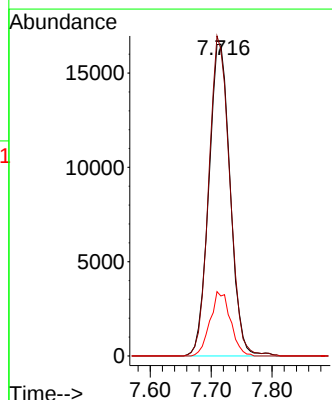
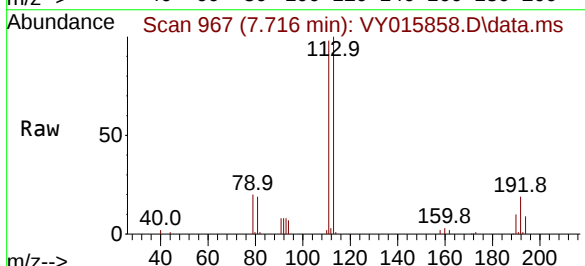
Tgt Ion:113 Resp: 40342

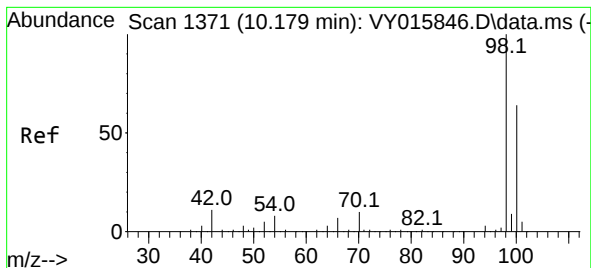
Ion Ratio Lower Upper

113 100

111 100.4 81.3 121.9

192 19.7 16.9 25.3





#50

Toluene-d8

Concen: 61.888 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015858.D

Acq: 06 Oct 2023 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

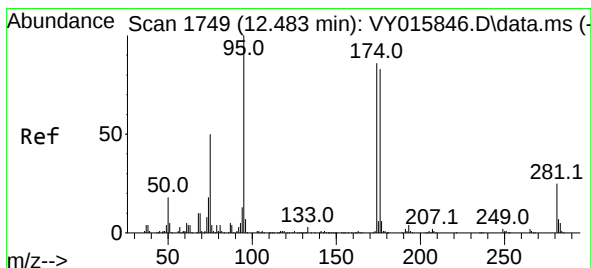
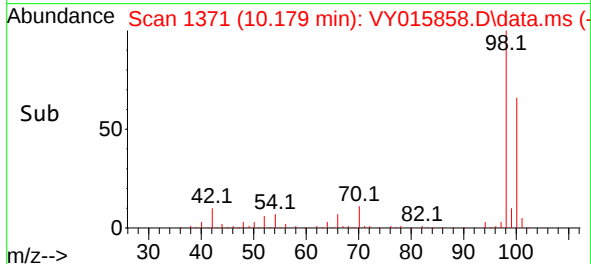
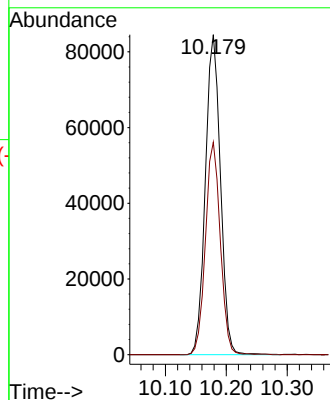
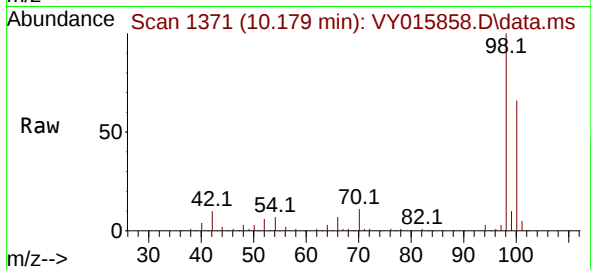
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Tgt Ion: 98 Resp: 145130

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 43.975 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015858.D

Acq: 06 Oct 2023 13:36

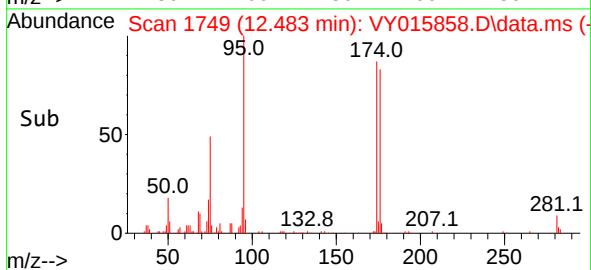
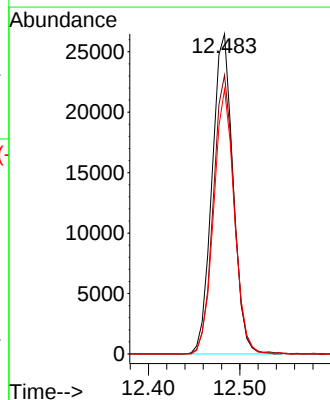
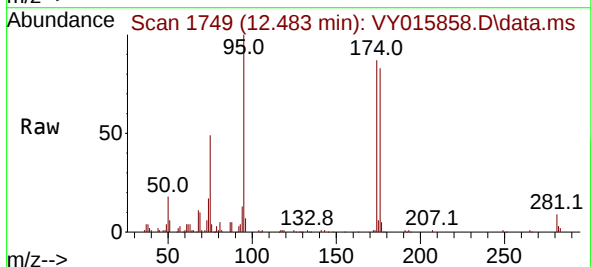
Tgt Ion: 95 Resp: 42151

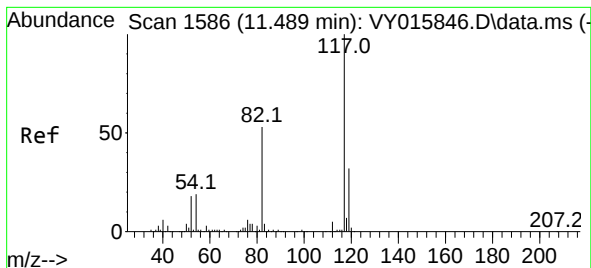
Ion Ratio Lower Upper

95 100

174 86.6 0.0 178.2

176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015858.D

Acq: 06 Oct 2023 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

PAT-1-100423

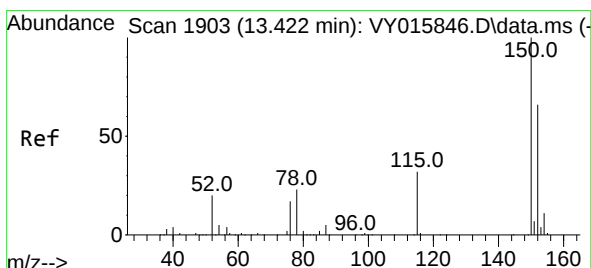
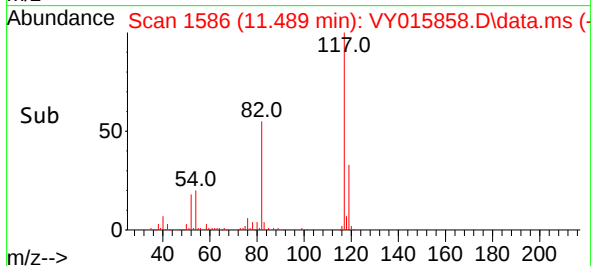
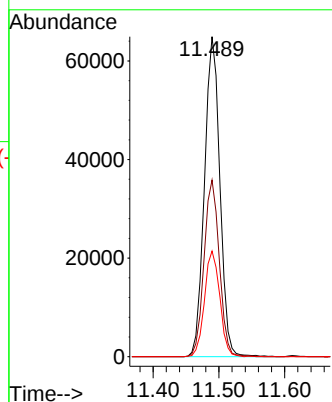
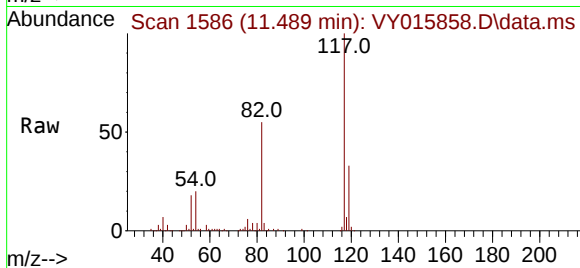
Tgt Ion:117 Resp: 105910

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 33.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015858.D

Acq: 06 Oct 2023 13:36

Tgt Ion:152 Resp: 43988

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 153.2 0.0 348.8

