

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072523\  
 Data File : VY014825.D  
 Acq On : 26 Jul 2023 01:11  
 Operator : SY/MD  
 Sample : 03741-06  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-P25A

Quant Time: Jul 26 03:34:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 82881    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 136564   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 116136   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 49846    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 40426    | 42.803   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 85.600% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 40187    | 46.227   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.460% |
| 50) Toluene-d8              | 10.185 | 98    | 159960   | 49.909   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.820% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 49861    | 40.572   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.140% |

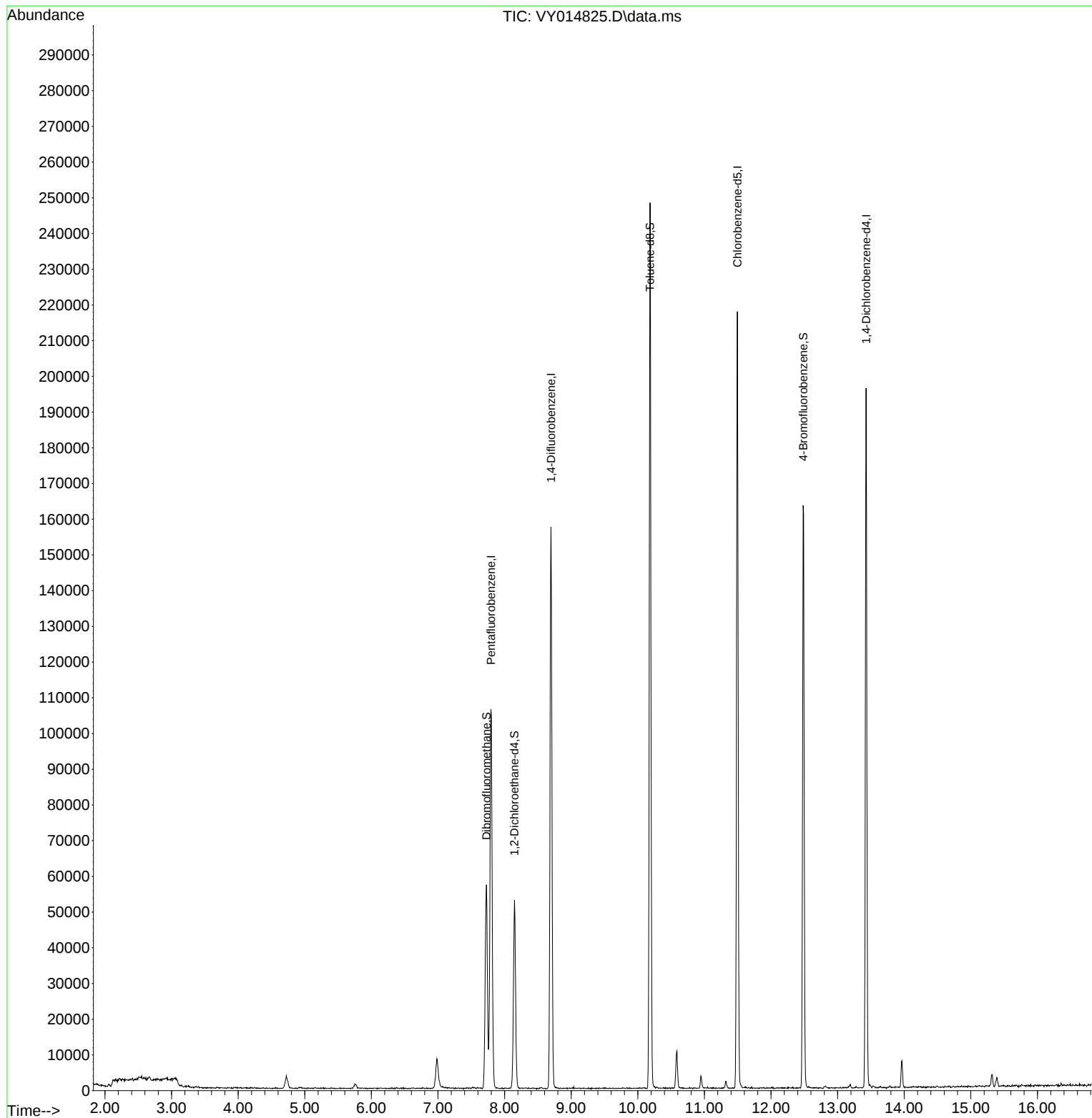
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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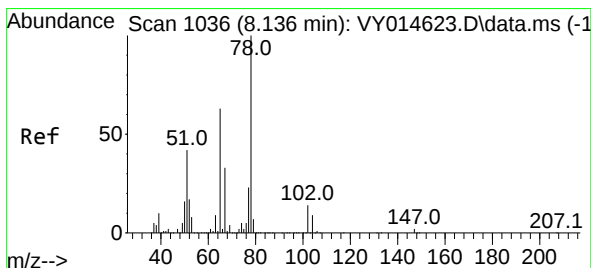
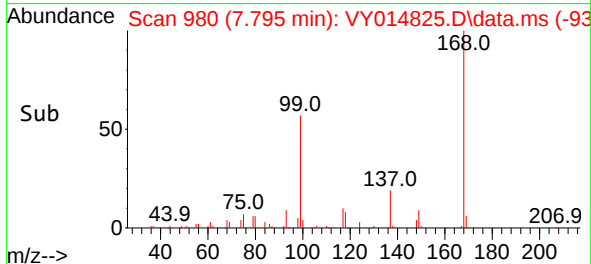
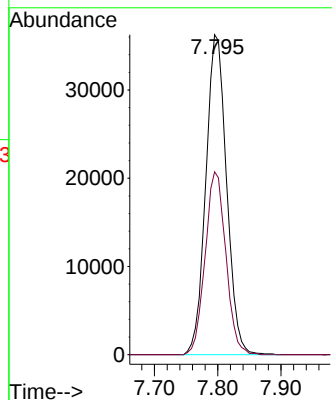
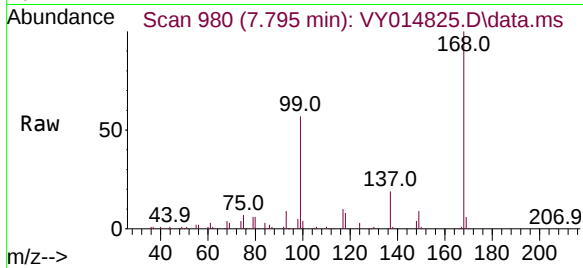




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014825.D  
Acq: 26 Jul 2023 01:11

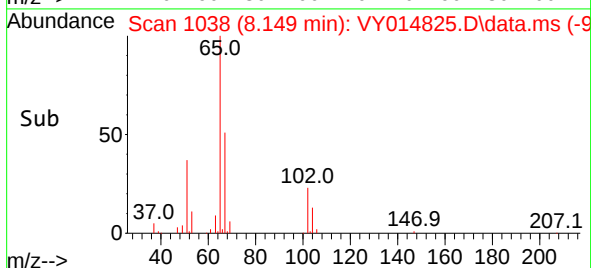
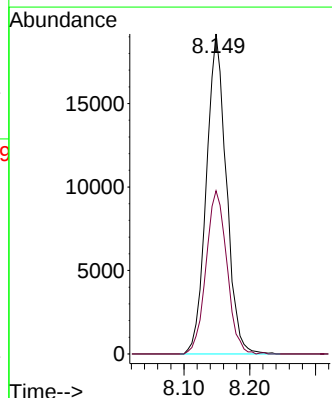
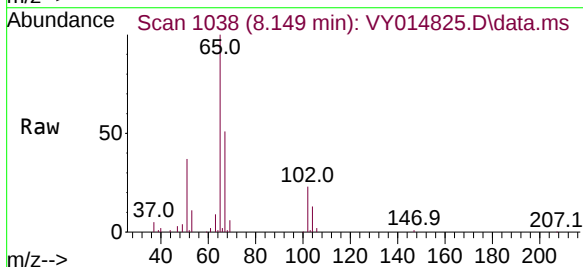
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P25A

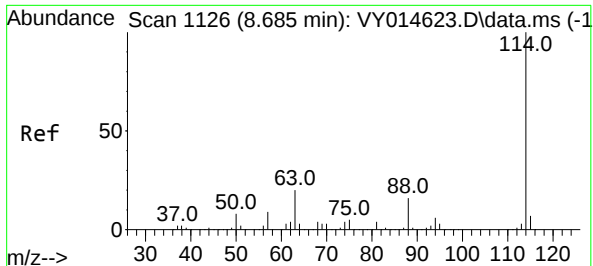
Tgt Ion:168 Resp: 82881  
Ion Ratio Lower Upper  
168 100  
99 57.1 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 42.803 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.013 min  
Lab File: VY014825.D  
Acq: 26 Jul 2023 01:11

Tgt Ion: 65 Resp: 40426  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

Instrument :

MSVOA\_Y

ClientSampleId :

B-P25A

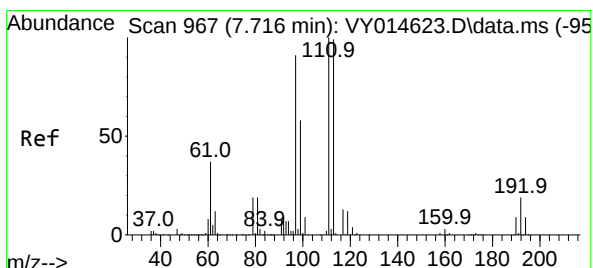
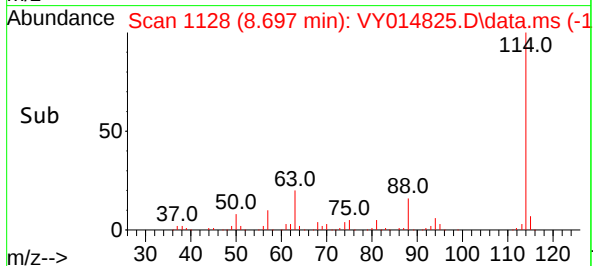
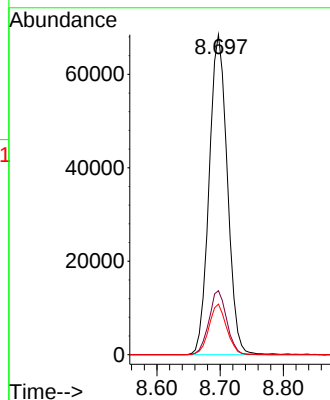
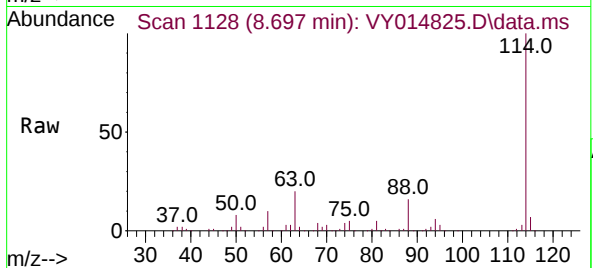
Tgt Ion:114 Resp: 136564

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.227 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

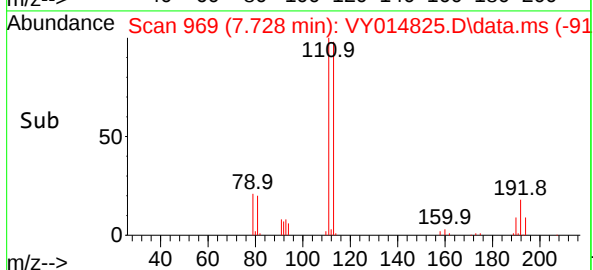
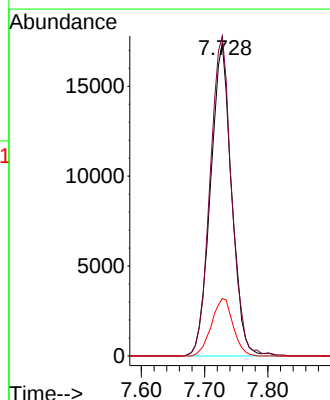
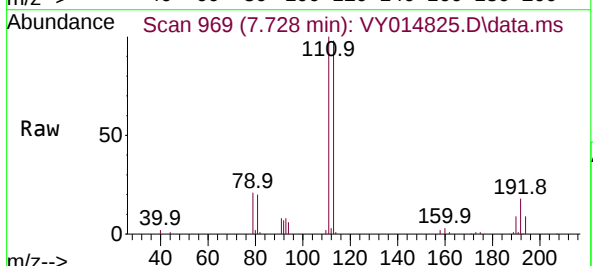
Tgt Ion:113 Resp: 40187

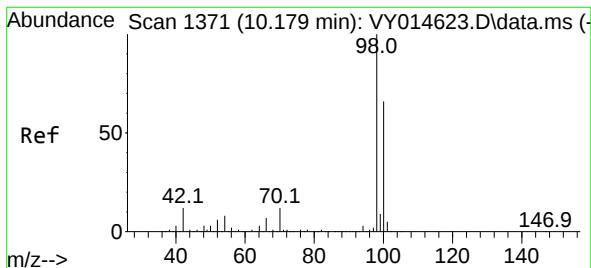
Ion Ratio Lower Upper

113 100

111 104.0 81.3 121.9

192 18.8 16.9 25.3





#50

Toluene-d8

Concen: 49.909 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

Instrument :

MSVOA\_Y

ClientSampleId :

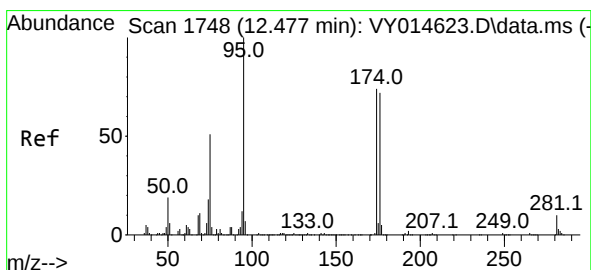
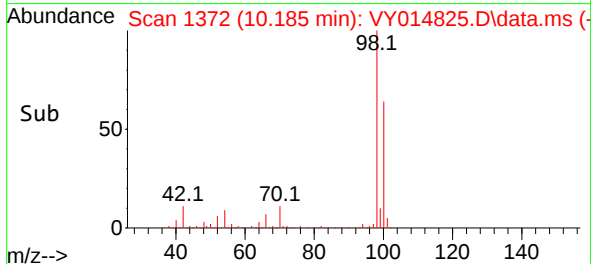
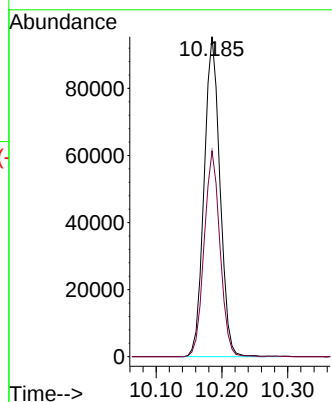
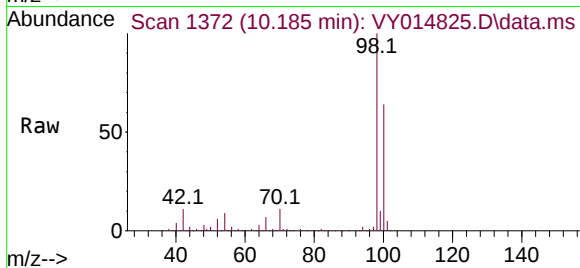
B-P25A

Tgt Ion: 98 Resp: 159960

Ion Ratio Lower Upper

98 100

100 64.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 40.572 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

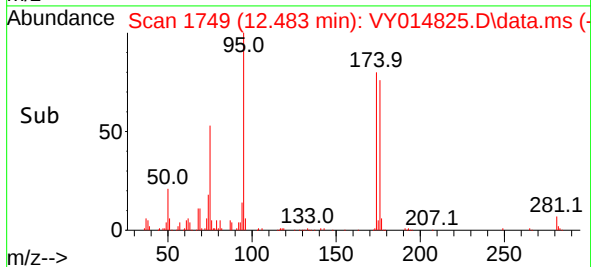
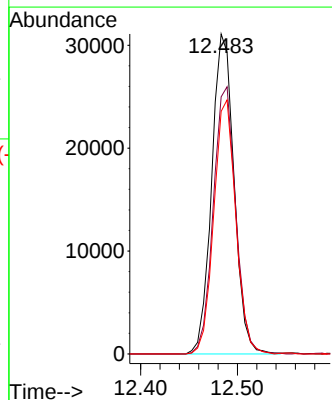
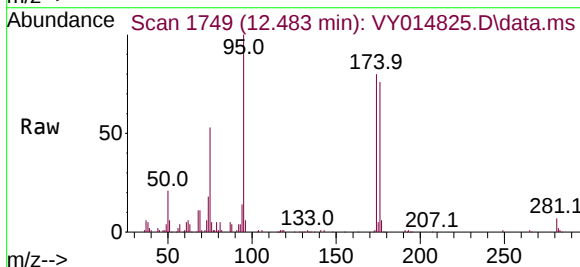
Tgt Ion: 95 Resp: 49861

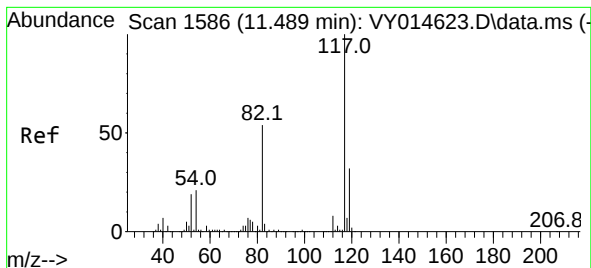
Ion Ratio Lower Upper

95 100

174 83.8 0.0 178.2

176 78.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

Instrument :

MSVOA\_Y

ClientSampleId :

B-P25A

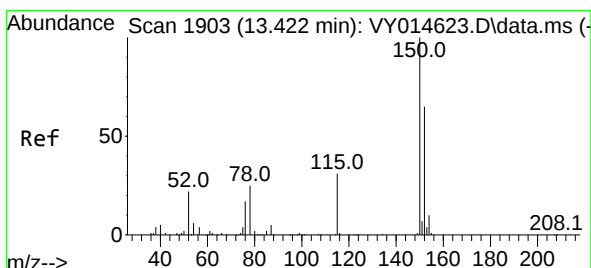
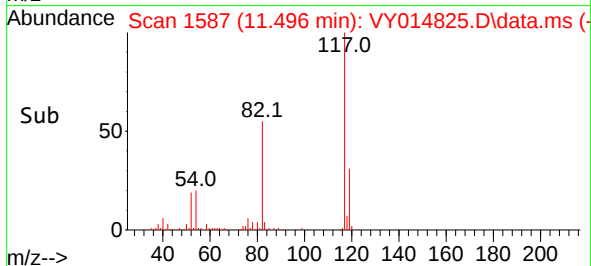
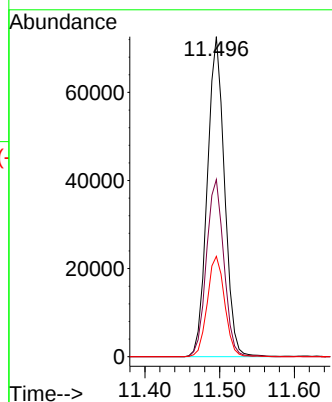
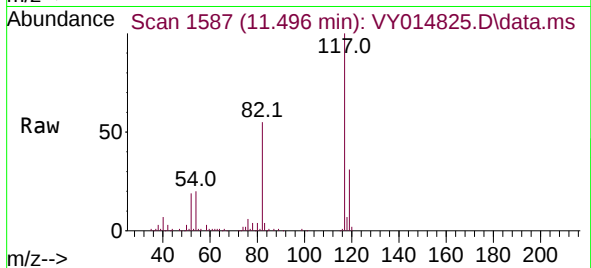
Tgt Ion:117 Resp: 116136

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 31.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

Tgt Ion:152 Resp: 49846

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 157.3 0.0 348.8

