

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072523\  
 Data File : VY014836.D  
 Acq On : 26 Jul 2023 05:29  
 Operator : SY/MD  
 Sample : 03741-17  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-P28B

Quant Time: Jul 26 07:41:33 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      | 7.801  | 168  | 107828   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 193230   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 183257   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 85766    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 69246    | 56.355   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.720% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 62093    | 50.480   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.960% |
| 50) Toluene-d8              | 10.185 | 98    | 232086   | 51.177   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.360% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 83662    | 48.113   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 96.220%  |

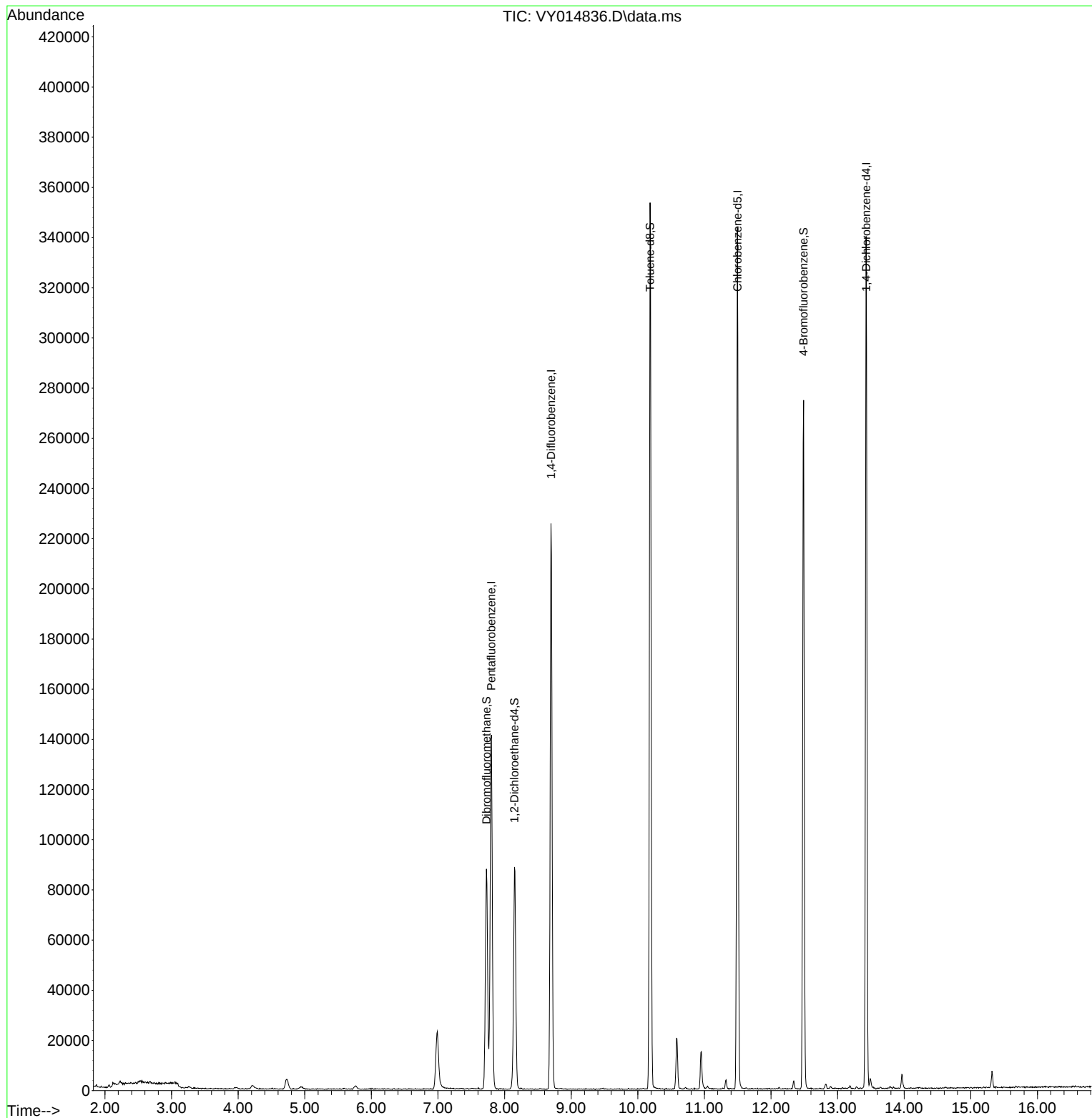
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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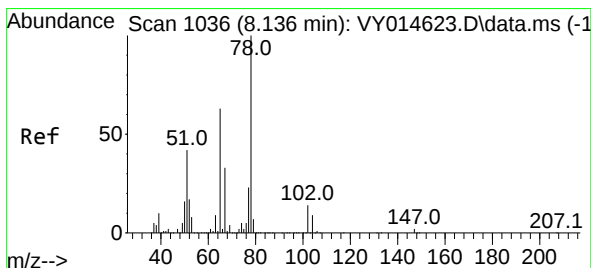
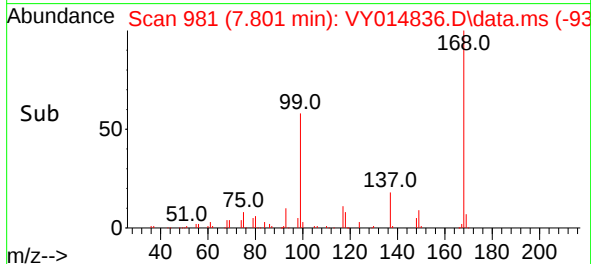
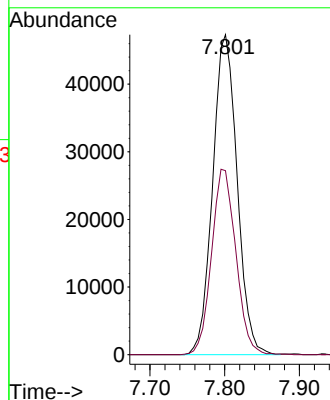
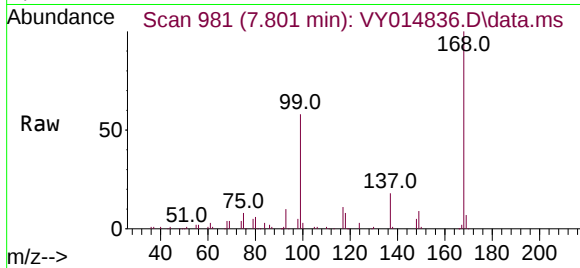




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014836.D  
Acq: 26 Jul 2023 05:29

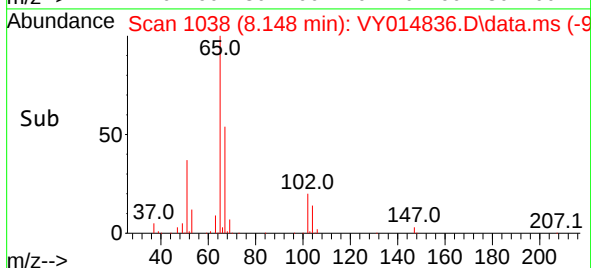
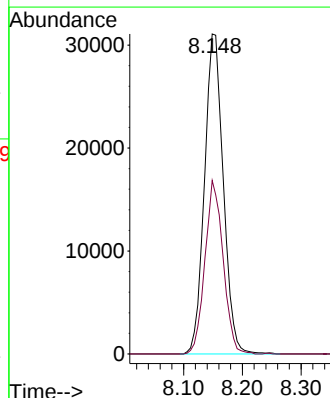
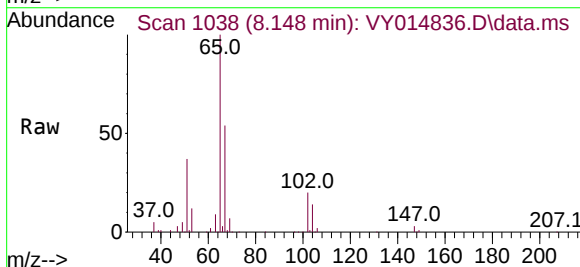
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P28B

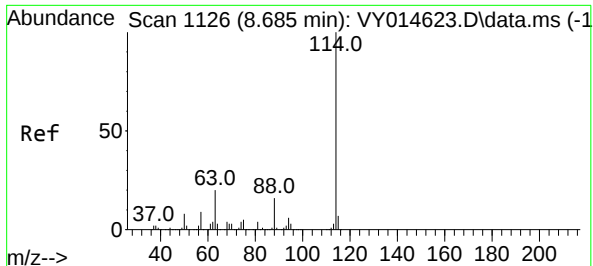
Tgt Ion:168 Resp: 107828  
Ion Ratio Lower Upper  
168 100  
99 57.5 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 56.355 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. 0.012 min  
Lab File: VY014836.D  
Acq: 26 Jul 2023 05:29

Tgt Ion: 65 Resp: 69246  
Ion Ratio Lower Upper  
65 100  
67 52.2 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: VY014836.D

Acq: 26 Jul 2023 05:29

Instrument :

MSVOA\_Y

ClientSampleId :

B-P28B

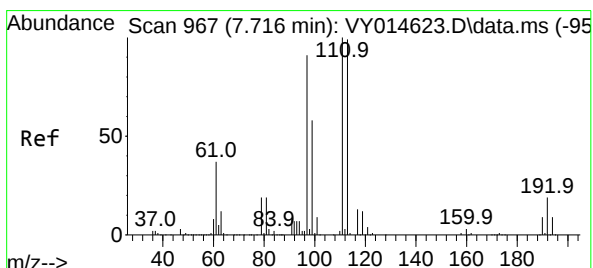
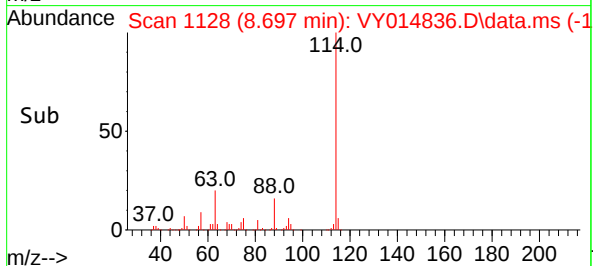
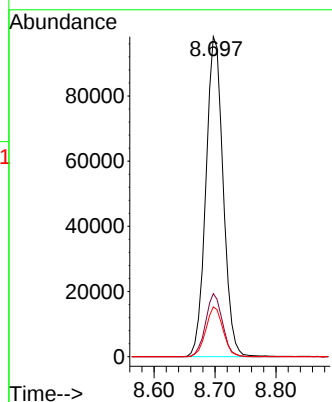
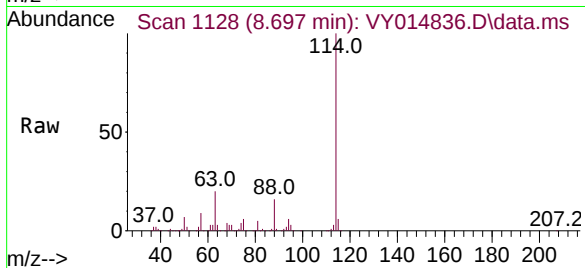
Tgt Ion:114 Resp: 193230

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.480 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014836.D

Acq: 26 Jul 2023 05:29

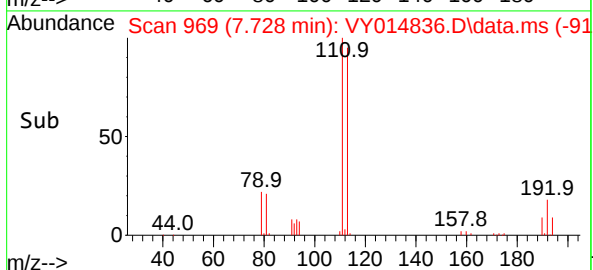
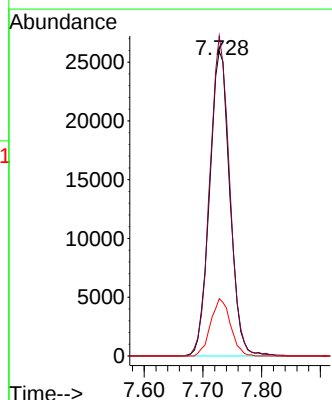
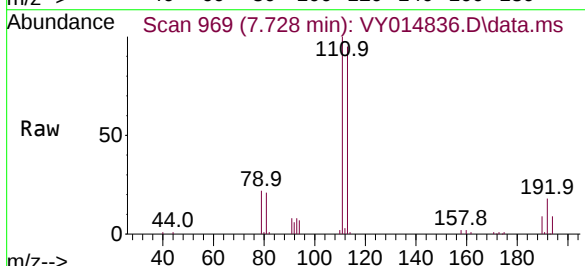
Tgt Ion:113 Resp: 62093

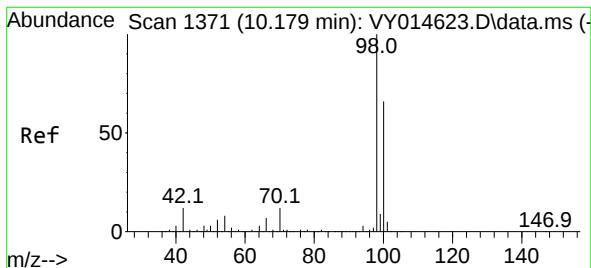
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 18.4 16.9 25.3





#50

Toluene-d8

Concen: 51.177 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014836.D

Acq: 26 Jul 2023 05:29

Instrument :

MSVOA\_Y

ClientSampleId :

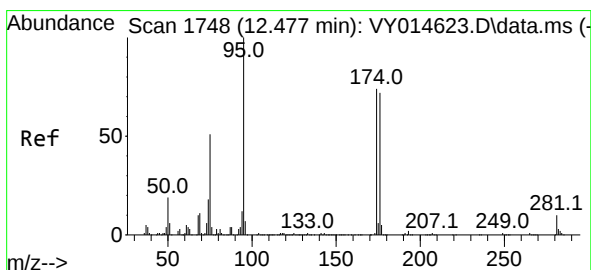
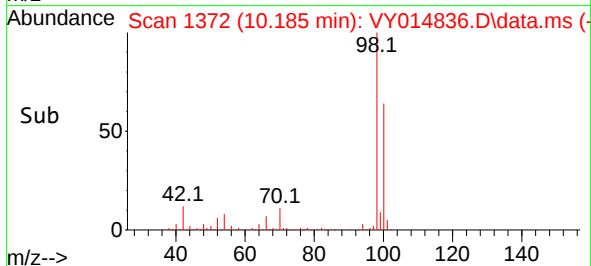
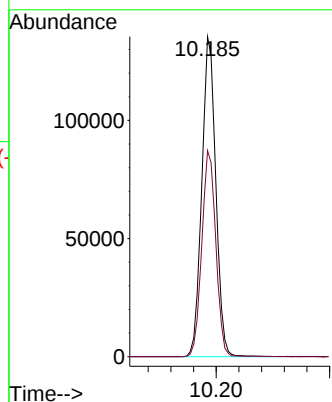
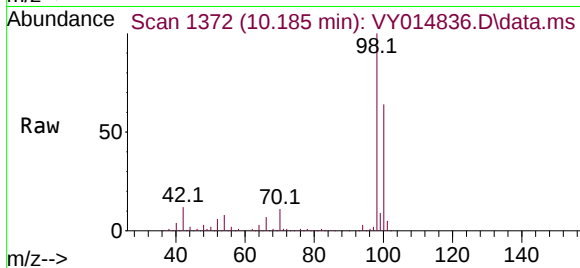
B-P28B

Tgt Ion: 98 Resp: 232086

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.113 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY014836.D

Acq: 26 Jul 2023 05:29

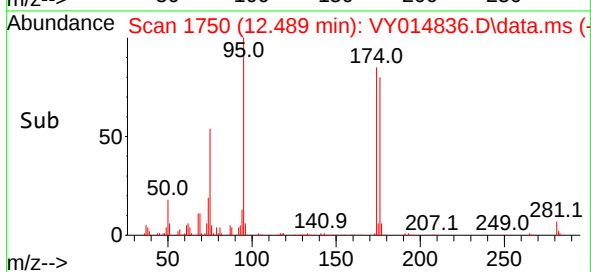
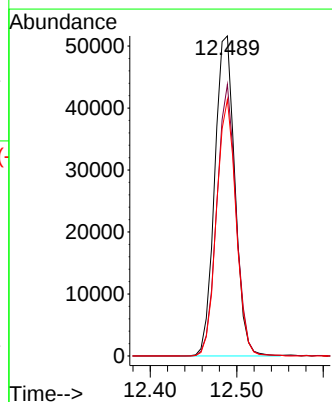
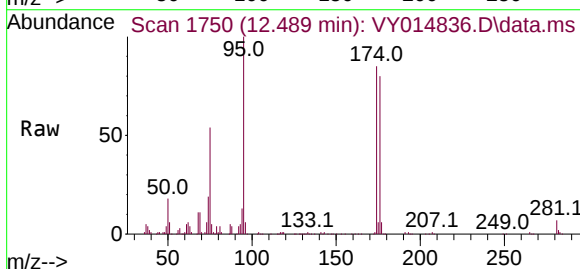
Tgt Ion: 95 Resp: 83662

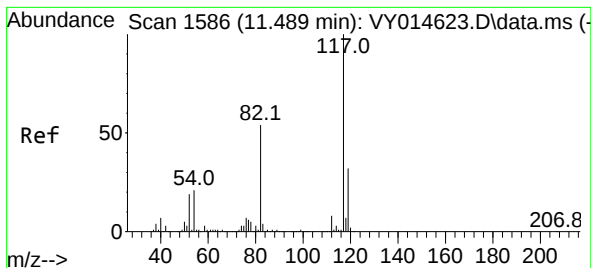
Ion Ratio Lower Upper

95 100

174 80.7 0.0 178.2

176 77.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014836.D

Acq: 26 Jul 2023 05:29

Instrument :

MSVOA\_Y

ClientSampleId :

B-P28B

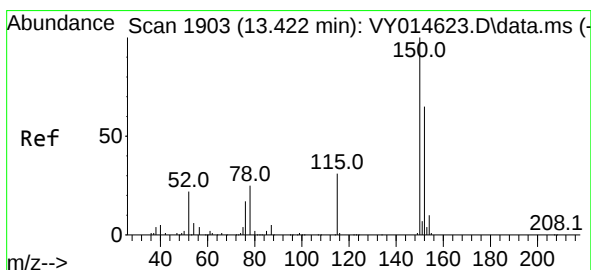
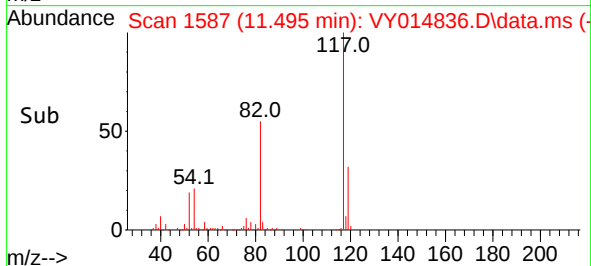
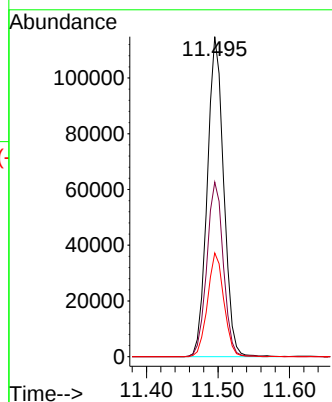
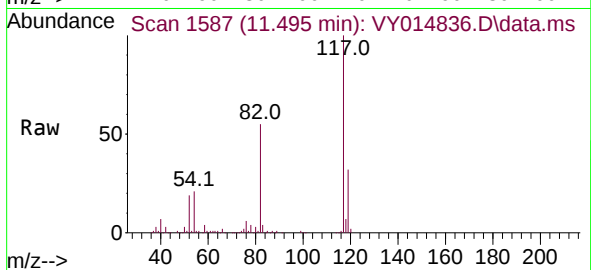
Tgt Ion:117 Resp: 183257

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.4 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: VY014836.D

Acq: 26 Jul 2023 05:29

Tgt Ion:152 Resp: 85766

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 156.1 0.0 348.8

