

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071224\  
 Data File : VY018795.D  
 Acq On : 12 Jul 2024 14:14  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 12 23:38:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 78762    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 142301   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 129434   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 52451    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 35548    | 45.866   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.740% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 42207    | 47.357   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.720% |
| 50) Toluene-d8              | 10.173 | 98    | 162012   | 47.980   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.960% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 52514    | 45.540   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.080% |

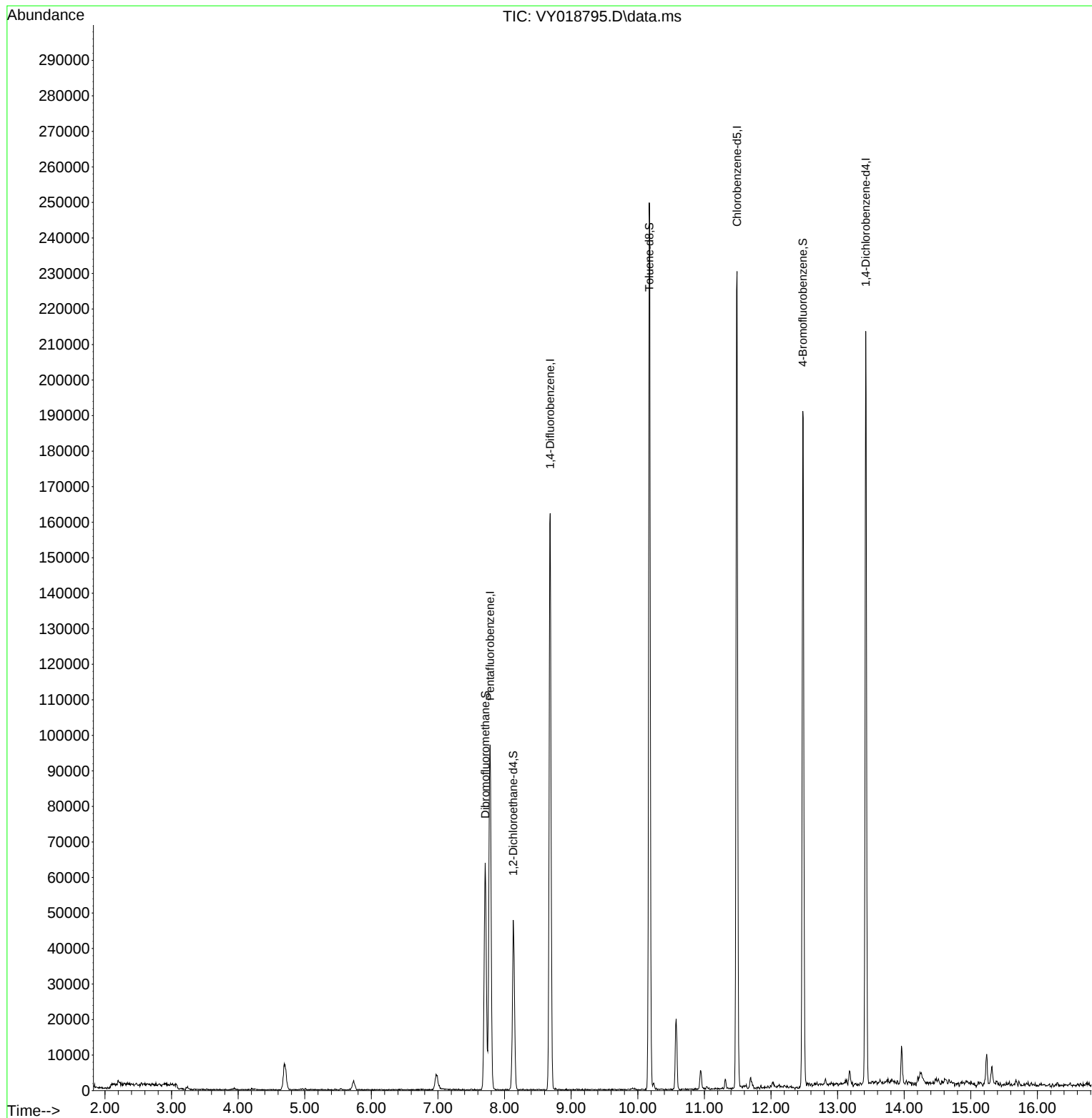
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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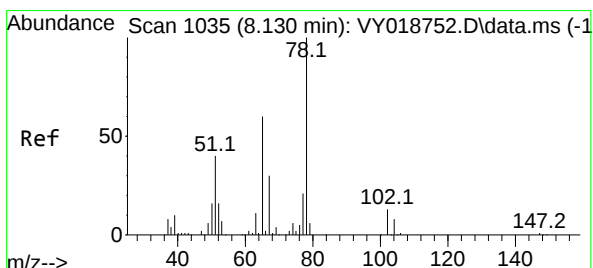
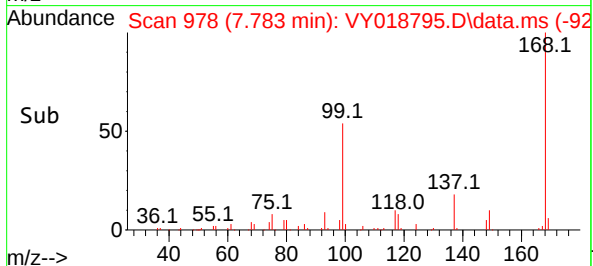
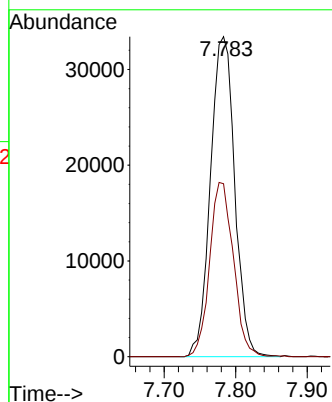
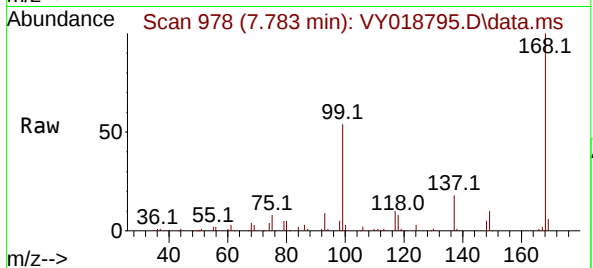




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018795.D  
Acq: 12 Jul 2024 14:14

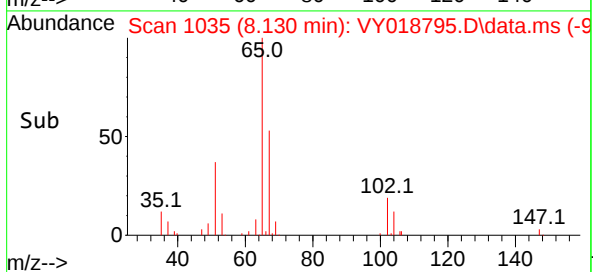
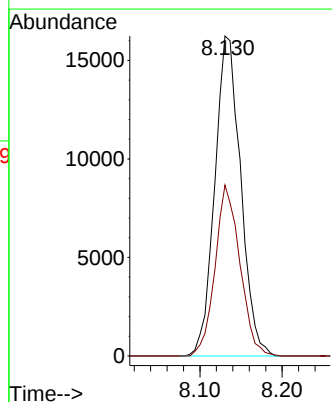
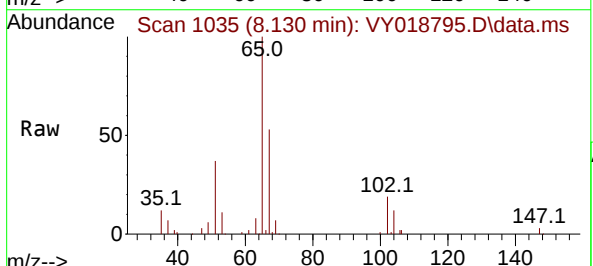
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

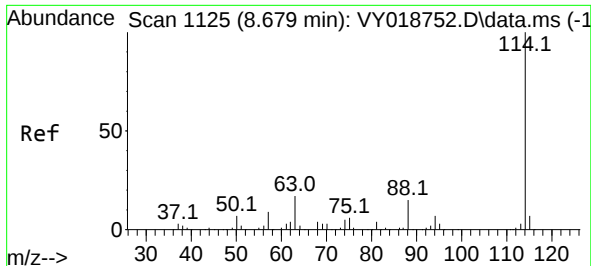
Tgt Ion:168 Resp: 78762  
Ion Ratio Lower Upper  
168 100  
99 54.0 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 45.866 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY018795.D  
Acq: 12 Jul 2024 14:14

Tgt Ion: 65 Resp: 35548  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018795.D

Acq: 12 Jul 2024 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

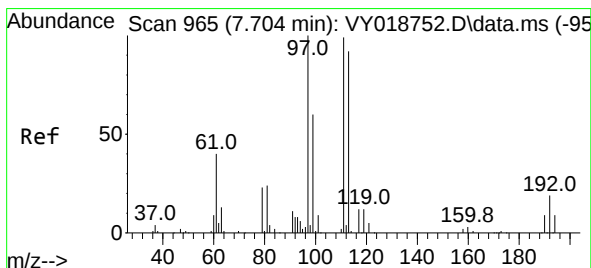
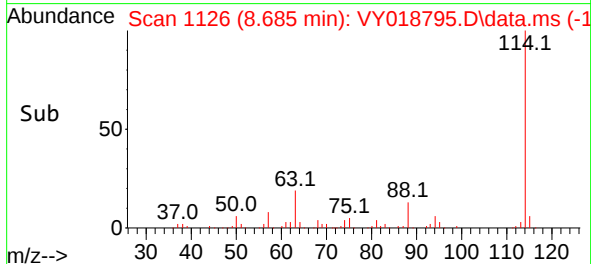
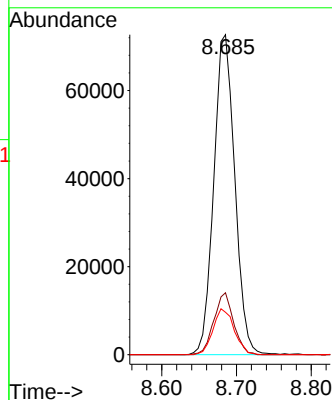
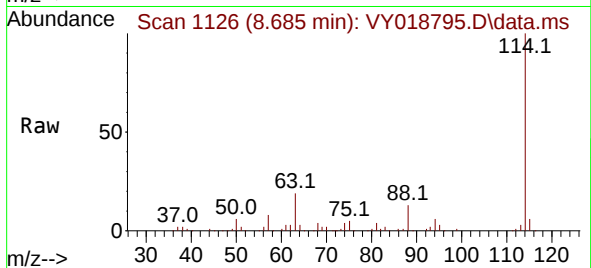
Tgt Ion:114 Resp: 142301

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.0

88 13.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.357 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018795.D

Acq: 12 Jul 2024 14:14

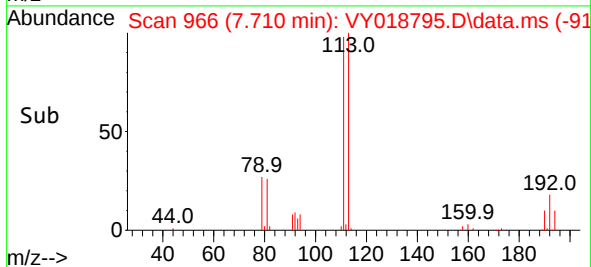
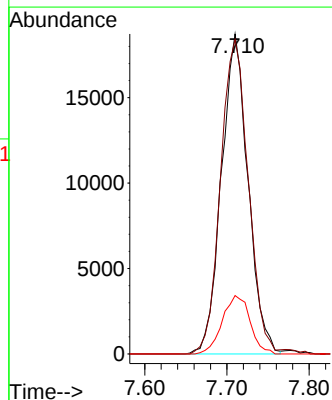
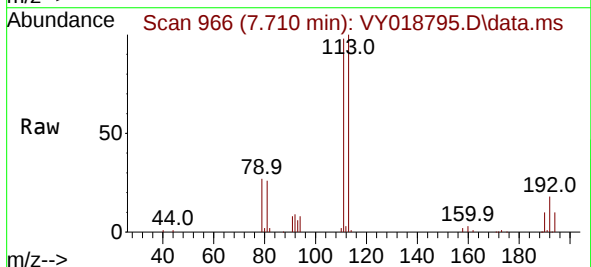
Tgt Ion:113 Resp: 42207

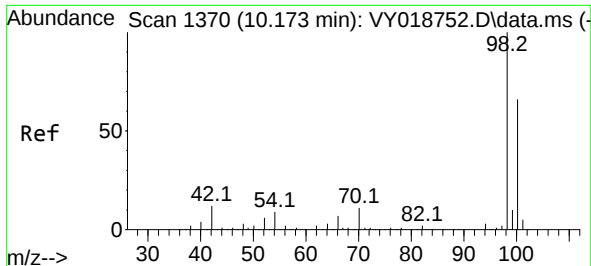
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 19.0 15.9 23.9

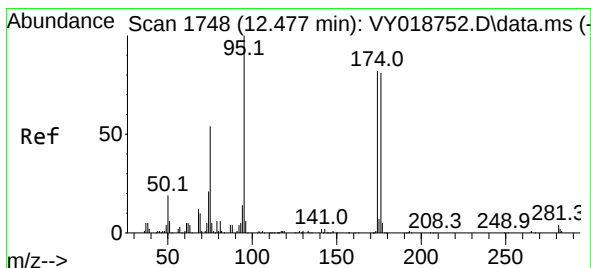
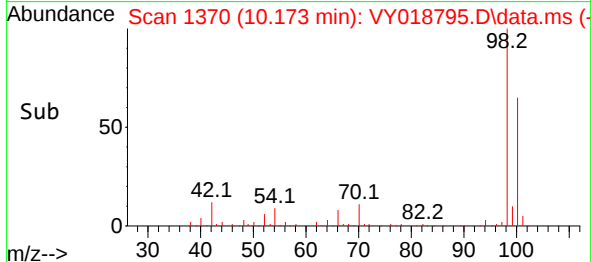
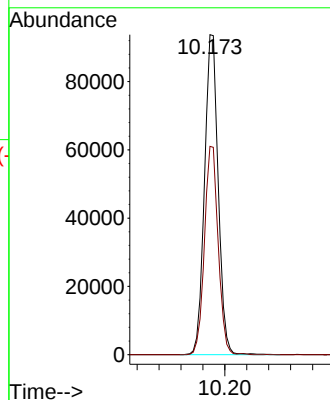
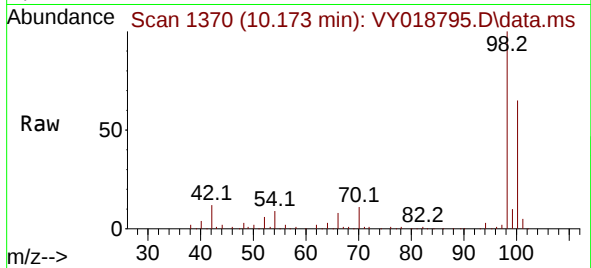




#50  
Toluene-d8  
Concen: 47.980 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018795.D  
Acq: 12 Jul 2024 14:14

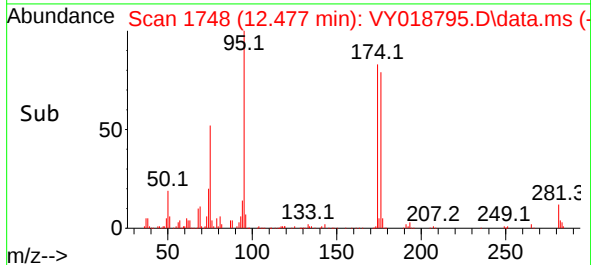
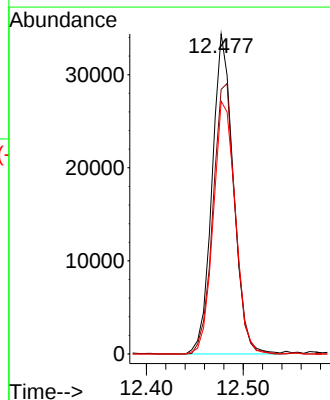
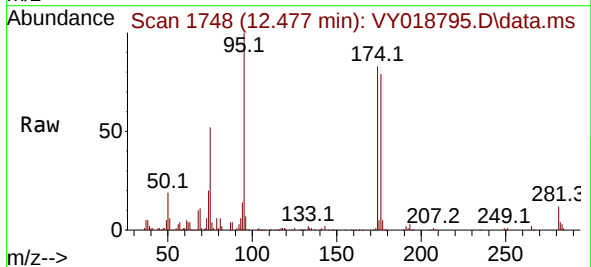
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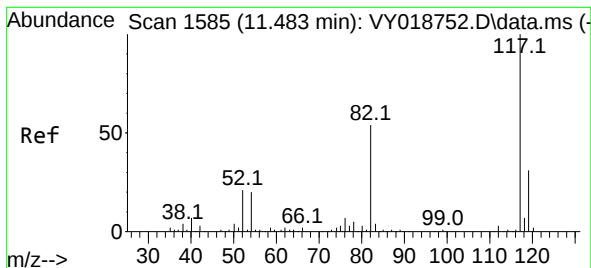
Tgt Ion: 98 Resp: 162012  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 45.540 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY018795.D  
Acq: 12 Jul 2024 14:14

Tgt Ion: 95 Resp: 52514  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 175.6  
176 82.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018795.D

Acq: 12 Jul 2024 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

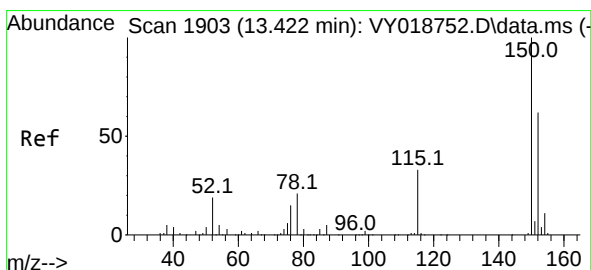
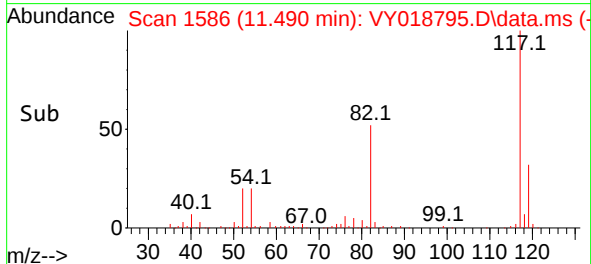
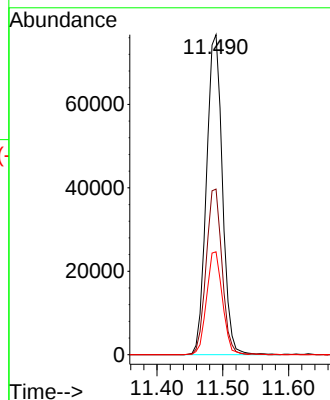
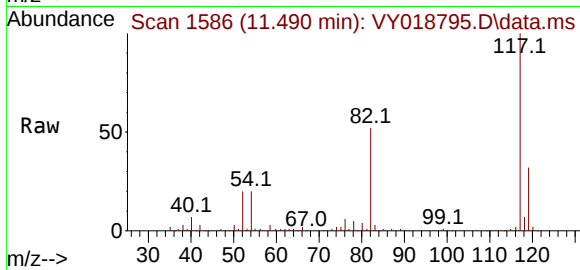
Tgt Ion:117 Resp: 129434

Ion Ratio Lower Upper

117 100

82 51.7 42.4 63.6

119 32.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018795.D

Acq: 12 Jul 2024 14:14

Tgt Ion:152 Resp: 52451

Ion Ratio Lower Upper

152 100

115 58.9 28.2 84.7

150 160.6 0.0 345.6

