

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071824\  
 Data File : VY018865.D  
 Acq On : 18 Jul 2024 15:19  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 19 01:40:29 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      | 7.777  | 168  | 92207    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 157605   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 142497   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 58761    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 39034    | 43.020   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 86.040% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 47084    | 47.699   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 95.400% |
| 50) Toluene-d8              | 10.173 | 98    | 176537   | 47.205   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.420% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 56814    | 44.485   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.980% |

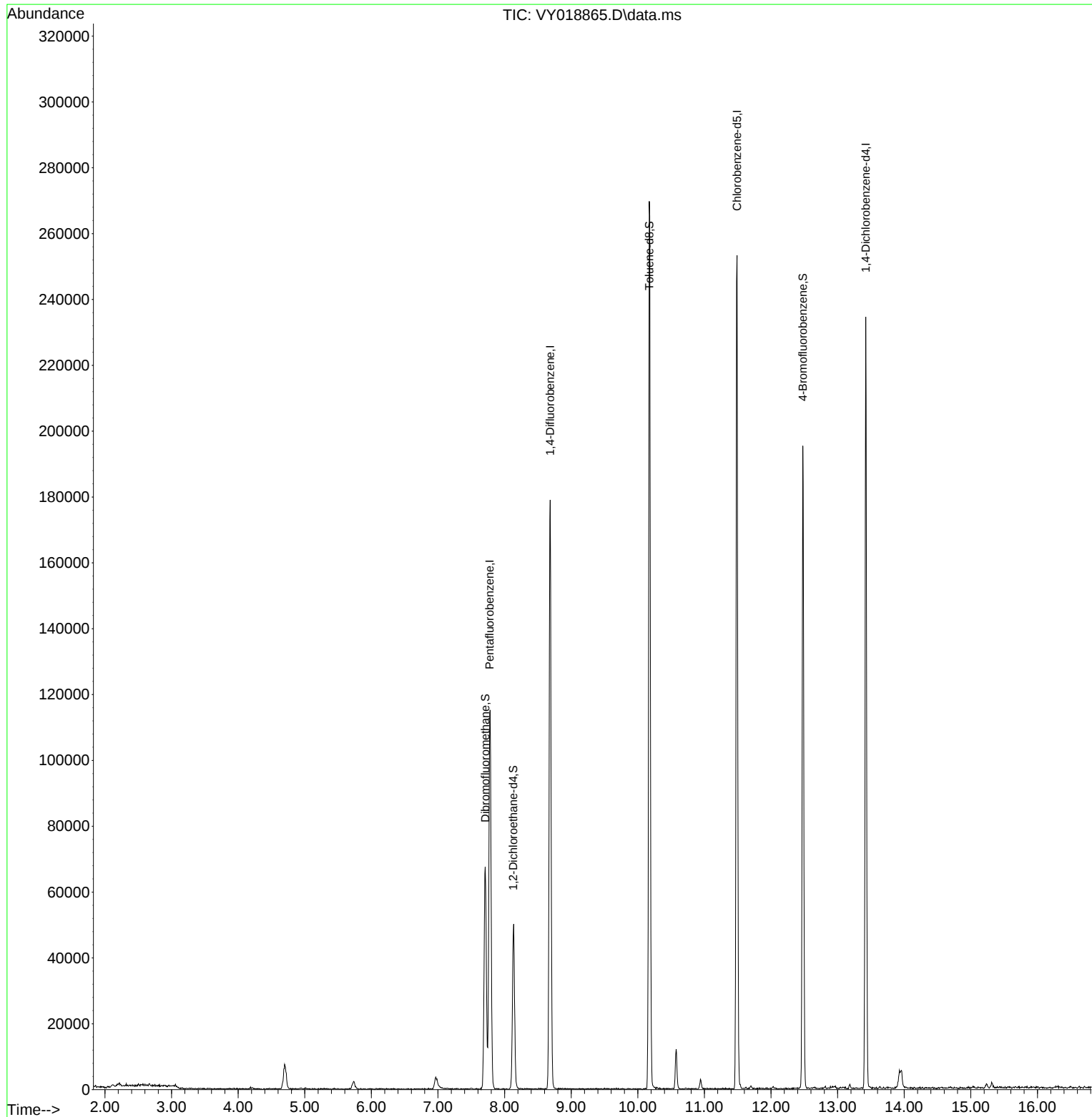
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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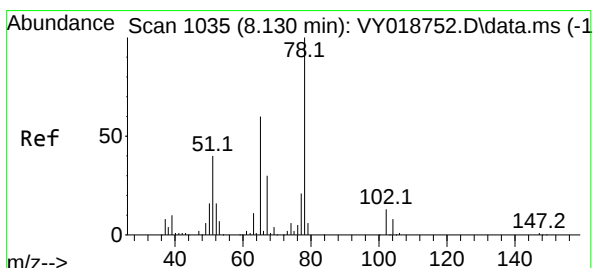
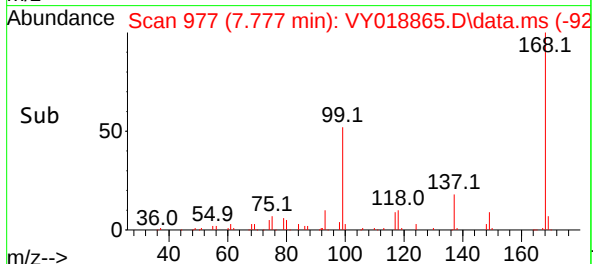
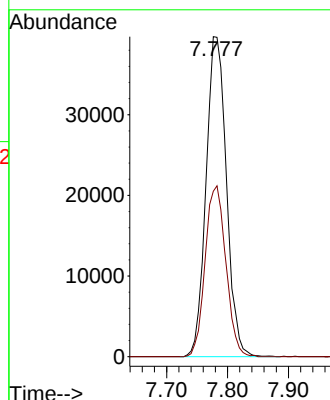
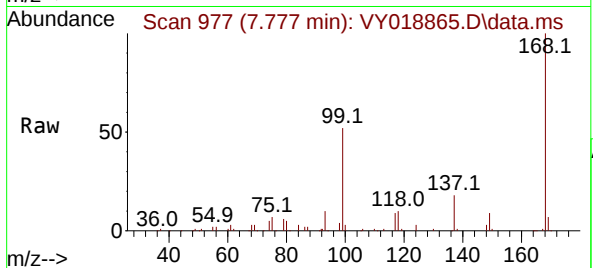




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018865.D  
Acq: 18 Jul 2024 15:19

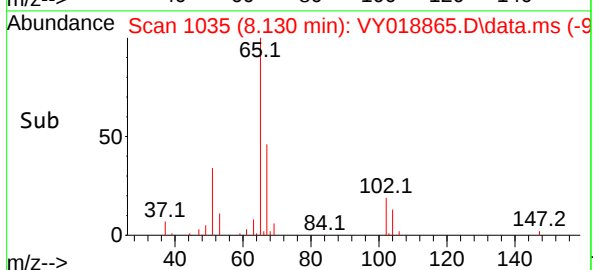
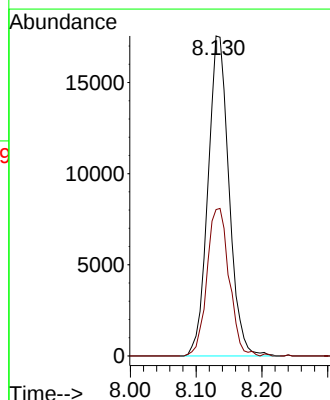
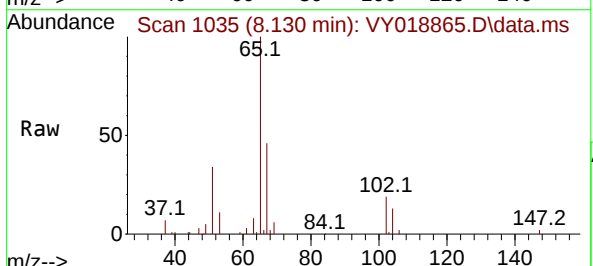
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

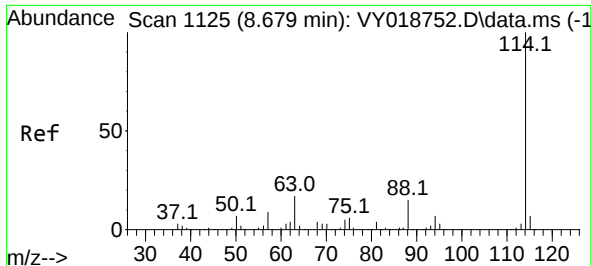
Tgt Ion:168 Resp: 92207  
Ion Ratio Lower Upper  
168 100  
99 51.7 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 43.020 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VY018865.D  
Acq: 18 Jul 2024 15:19

Tgt Ion: 65 Resp: 39034  
Ion Ratio Lower Upper  
65 100  
67 48.6 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: VY018865.D

Acq: 18 Jul 2024 15:19

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

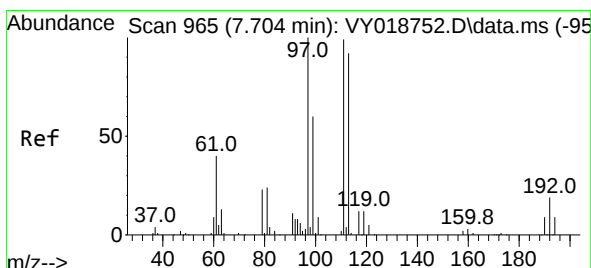
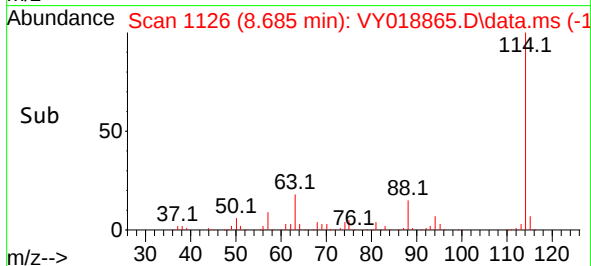
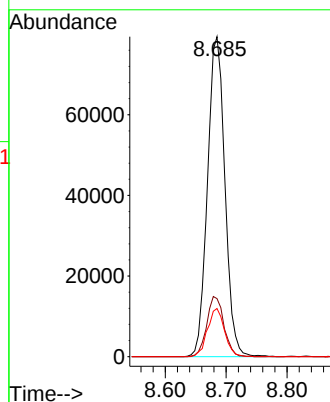
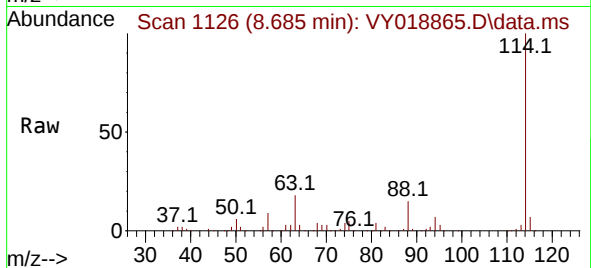
Tgt Ion:114 Resp: 157605

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.699 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018865.D

Acq: 18 Jul 2024 15:19

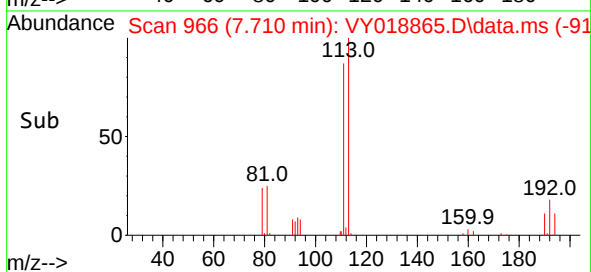
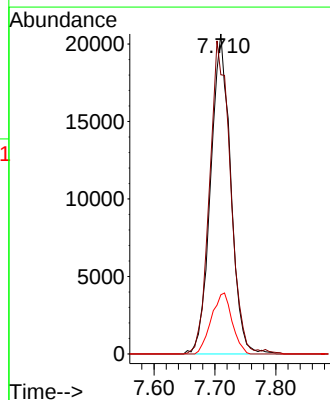
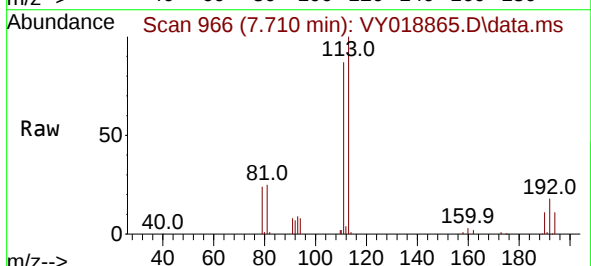
Tgt Ion:113 Resp: 47084

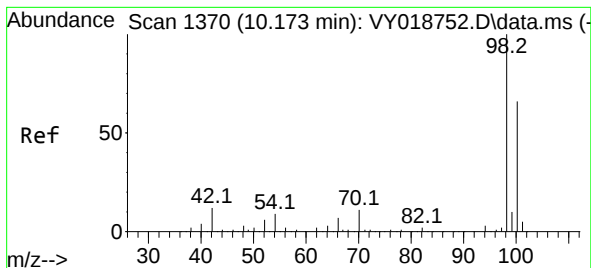
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 19.8 15.9 23.9

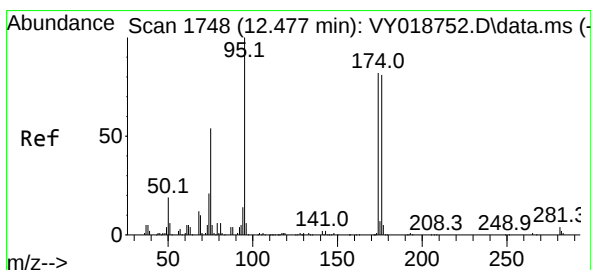
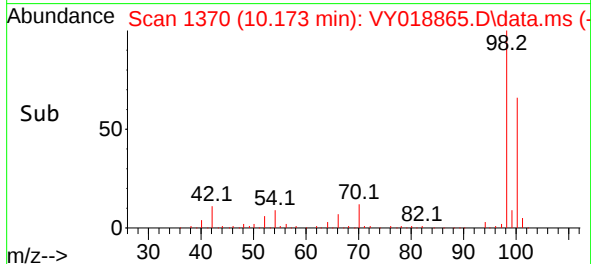
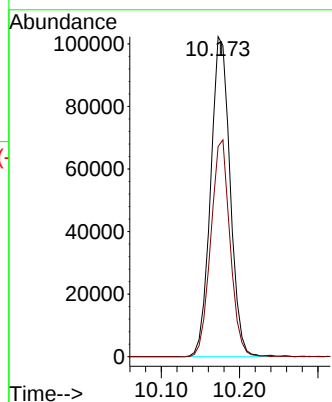
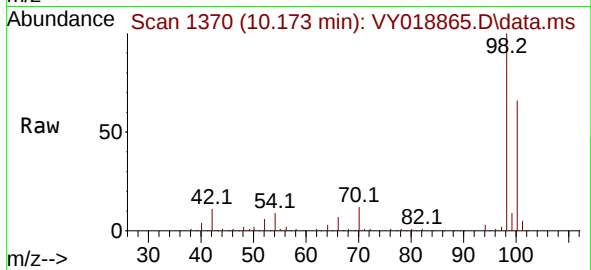




#50  
Toluene-d8  
Concen: 47.205 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018865.D  
Acq: 18 Jul 2024 15:19

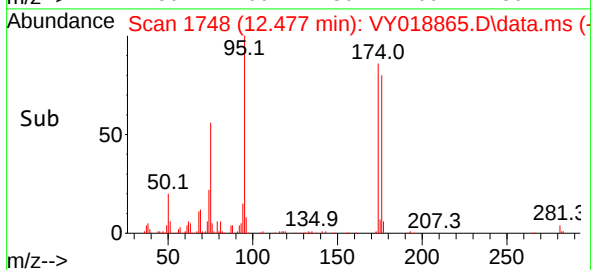
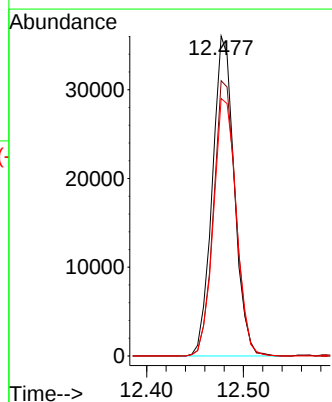
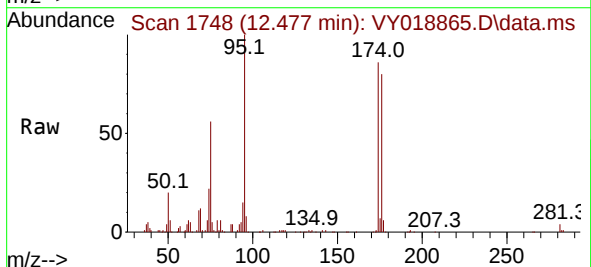
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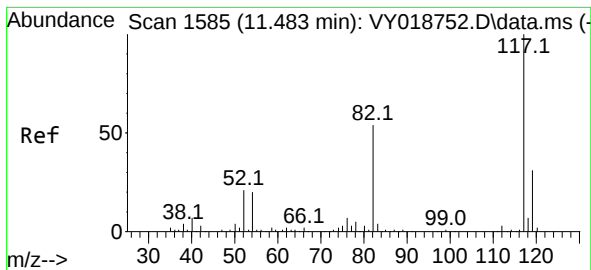
Tgt Ion: 98 Resp: 176537  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 44.485 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY018865.D  
Acq: 18 Jul 2024 15:19

Tgt Ion: 95 Resp: 56814  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 175.6  
176 84.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018865.D

Acq: 18 Jul 2024 15:19

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

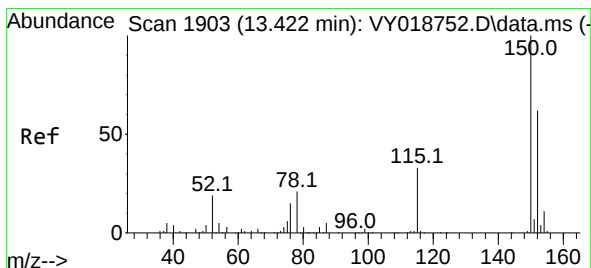
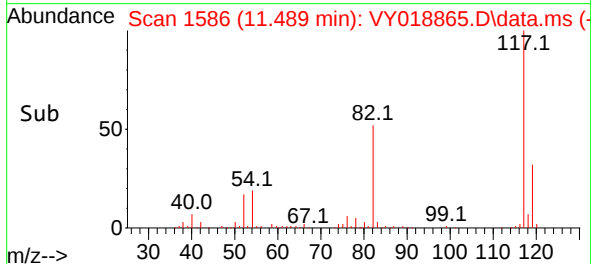
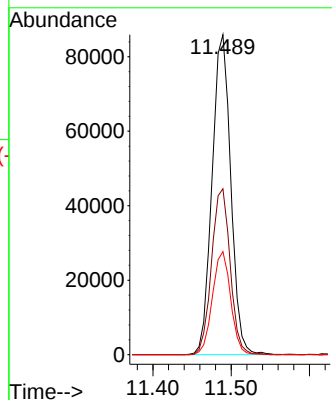
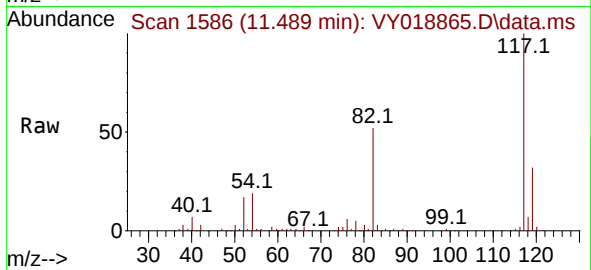
Tgt Ion:117 Resp: 142497

Ion Ratio Lower Upper

117 100

82 51.8 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: VY018865.D

Acq: 18 Jul 2024 15:19

Tgt Ion:152 Resp: 58761

Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 155.6 0.0 345.6

