

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040323\  
 Data File : VY013185.D  
 Acq On : 03 Apr 2023 18:52  
 Operator : KP/MD  
 Sample : 02166-05  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-03-033123

Quant Time: Apr 03 23:12:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y033023S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 03 13:40:57 2023  
 Response via : Initial Calibration

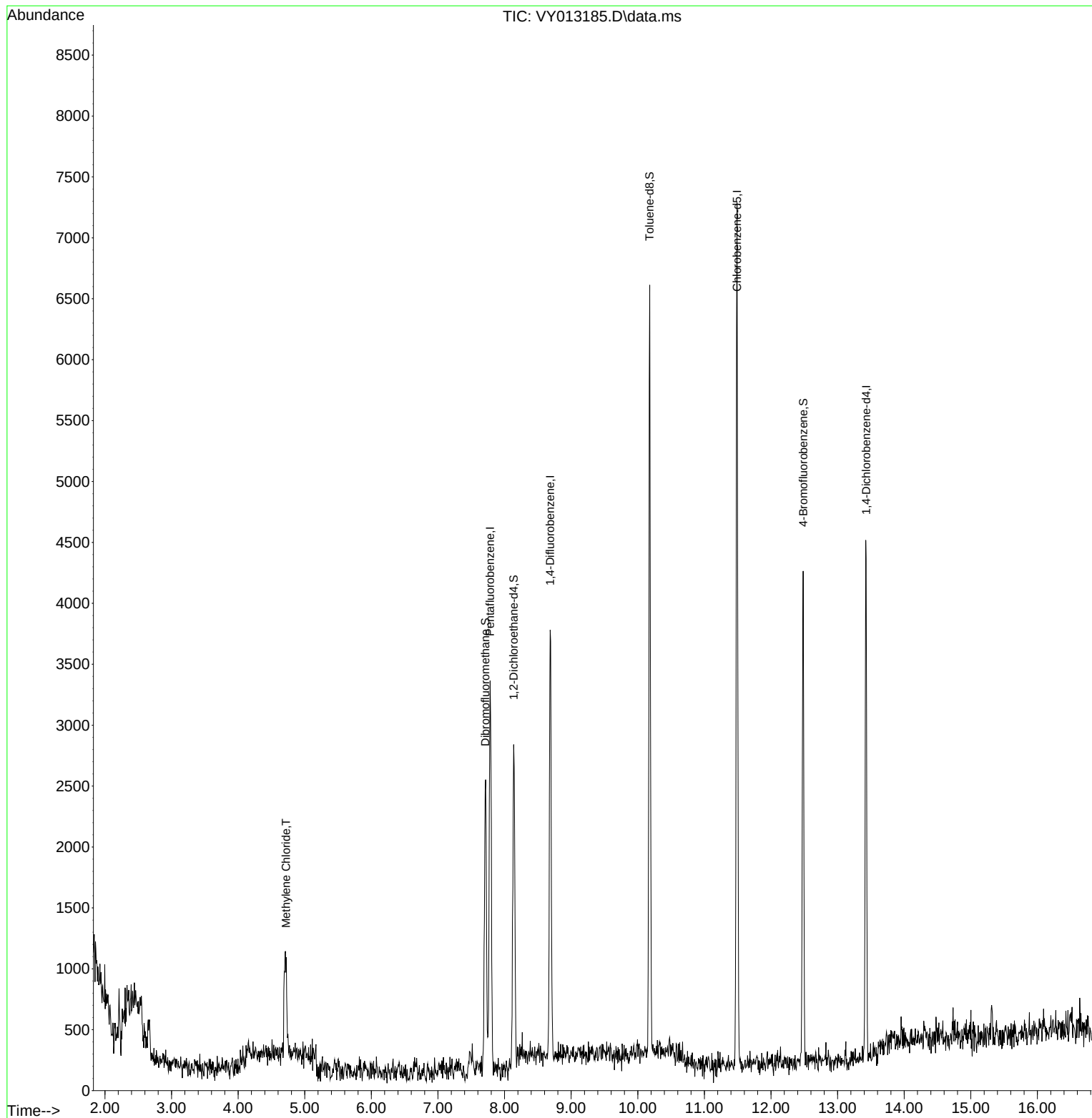
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 3208     | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 3430     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 4265     | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 1466     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 2406     | 69.788   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 139.580%  |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 1715     | 76.538   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 153.080%# |          |
| 50) Toluene-d8              | 10.179 | 98    | 3907     | 46.187   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 92.380%   |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 1424     | 51.718   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 103.440%  |          |
| Target Compounds            |        |       |          |          |             |          |
| 20) Methylene Chloride      | 4.716  | 84    | 623      | 13.162   | ug/l        | # 77     |
| -----                       |        |       |          |          |             |          |

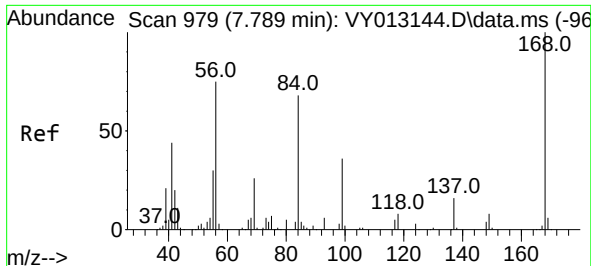
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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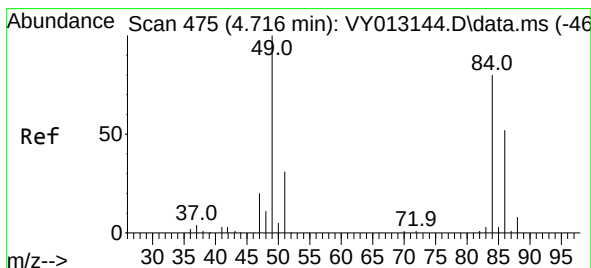
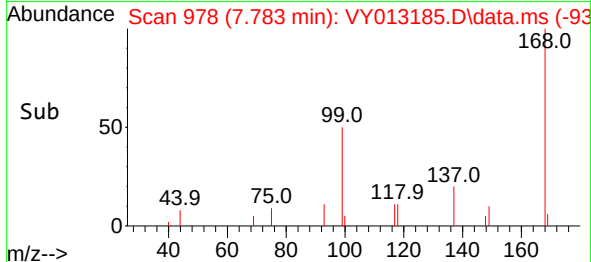
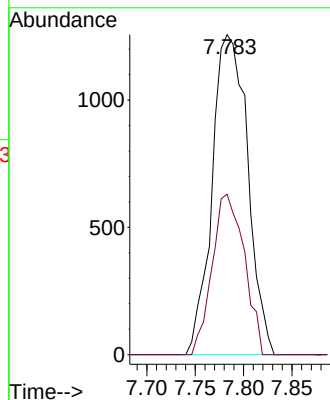
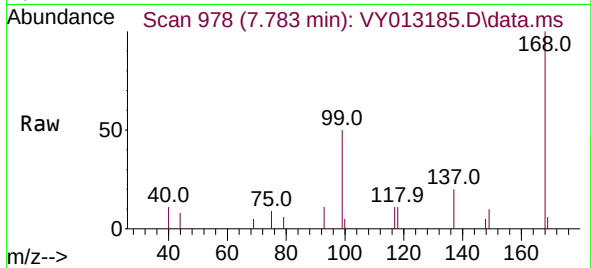




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013185.D  
Acq: 03 Apr 2023 18:52

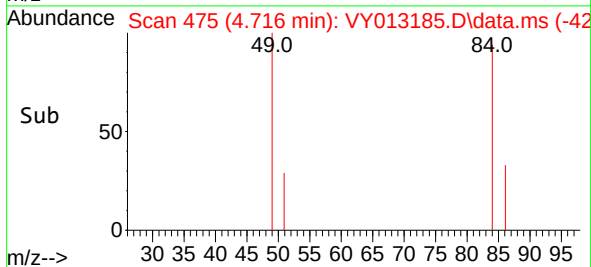
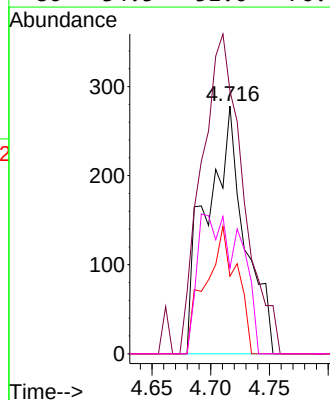
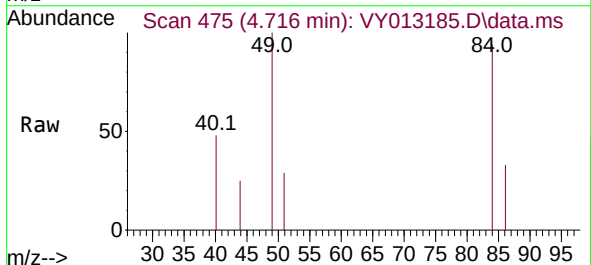
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-03-033123

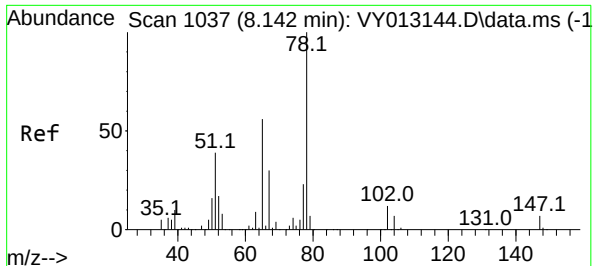
Tgt Ion:168 Resp: 3208  
Ion Ratio Lower Upper  
168 100  
99 50.1 41.7 62.5



#20  
Methylene Chloride  
Concen: 13.162 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY013185.D  
Acq: 03 Apr 2023 18:52

Tgt Ion: 84 Resp: 623  
Ion Ratio Lower Upper  
84 100  
49 106.1 102.6 154.0  
51 31.3 31.9 47.9#  
86 34.5 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 69.788 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VY013185.D

Acq: 03 Apr 2023 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

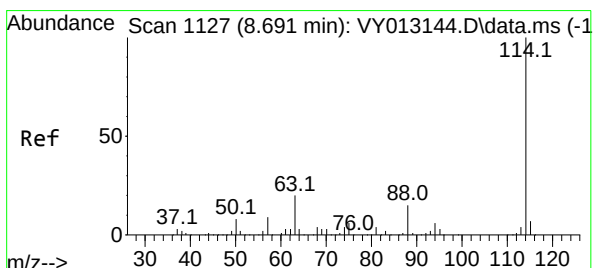
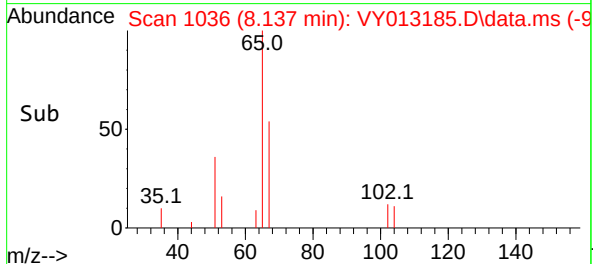
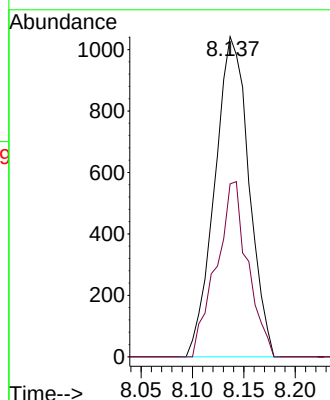
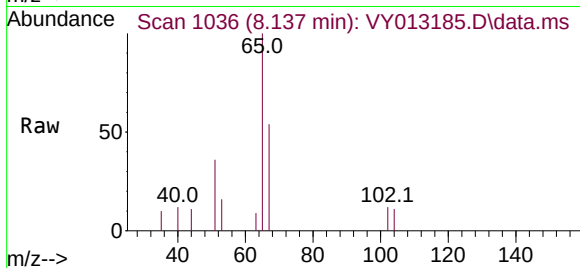
HR-03-033123

Tgt Ion: 65 Resp: 2406

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013185.D

Acq: 03 Apr 2023 18:52

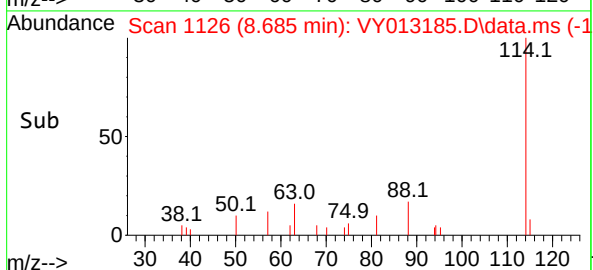
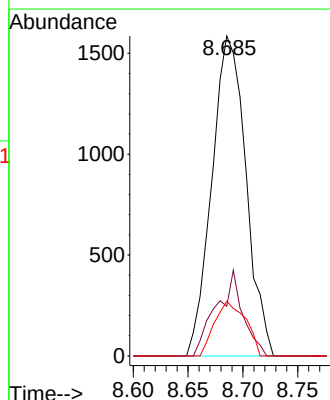
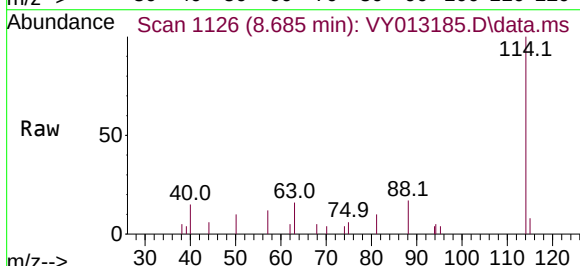
Tgt Ion: 114 Resp: 3430

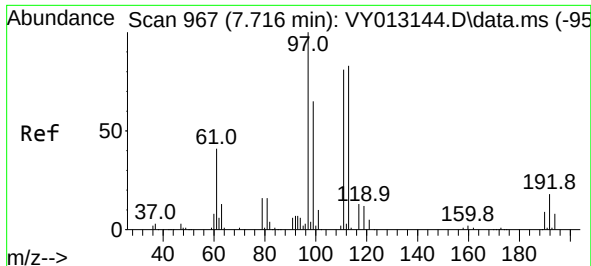
Ion Ratio Lower Upper

114 100

63 15.5 0.0 37.4

88 17.1 0.0 28.6





#35

Dibromofluoromethane

Concen: 76.538 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY013185.D

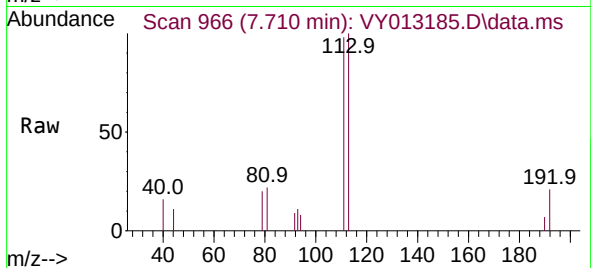
Acq: 03 Apr 2023 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

HR-03-033123



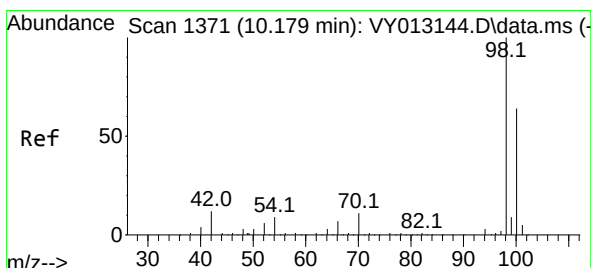
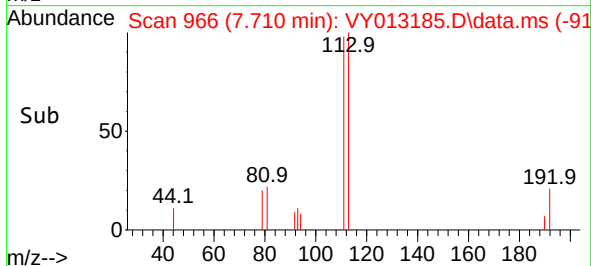
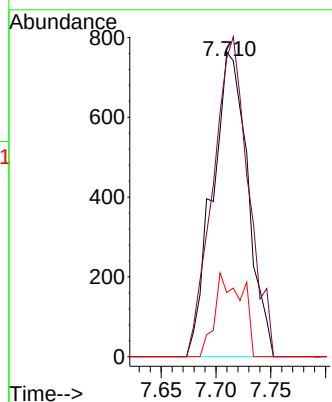
Tgt Ion:113 Resp: 1715

Ion Ratio Lower Upper

113 100

111 104.9 82.2 123.2

192 21.2 16.8 25.2



#50

Toluene-d8

Concen: 46.187 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013185.D

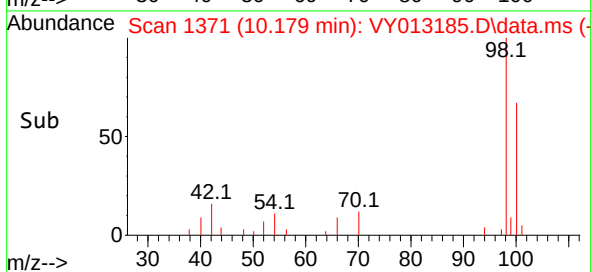
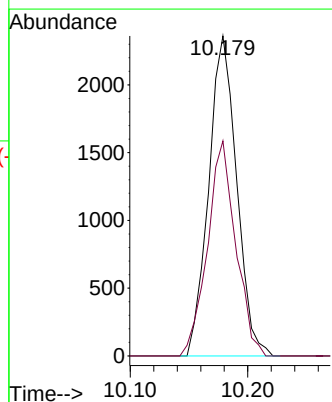
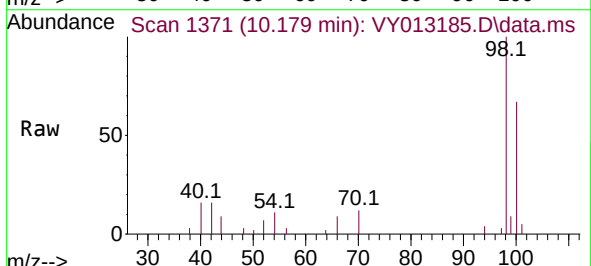
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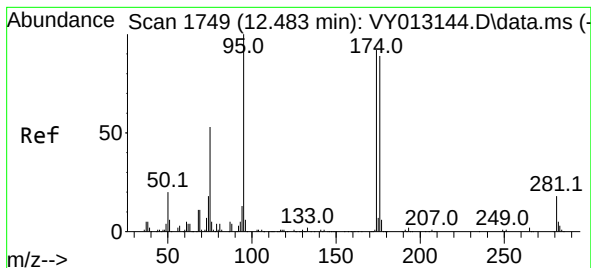
Tgt Ion: 98 Resp: 3907

Ion Ratio Lower Upper

98 100

100 67.8 50.9 76.3

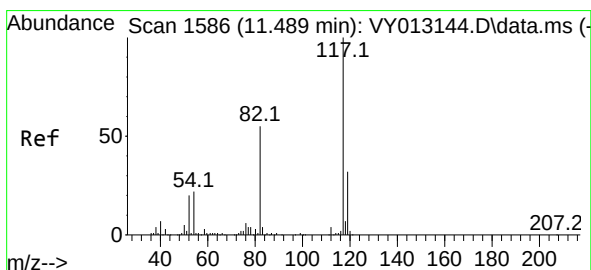
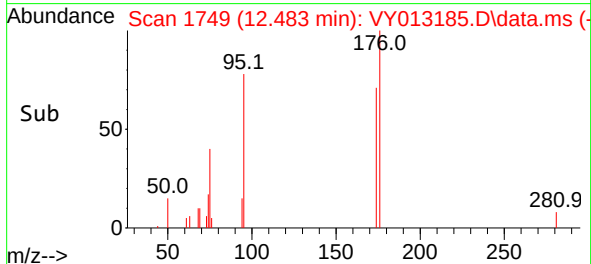
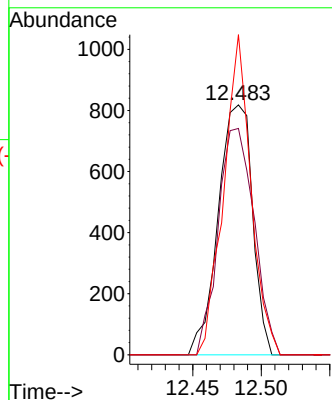
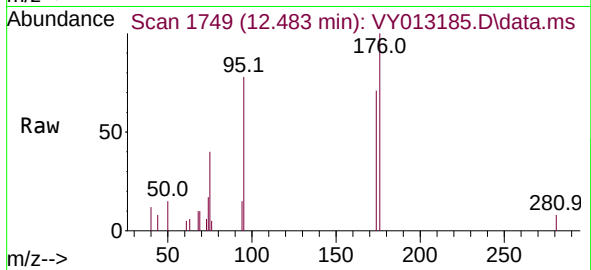




#62  
4-Bromofluorobenzene  
Concen: 51.718 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013185.D  
Acq: 03 Apr 2023 18:52

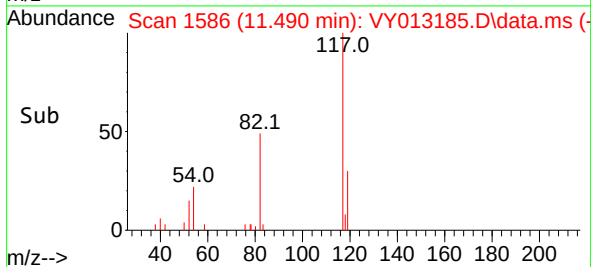
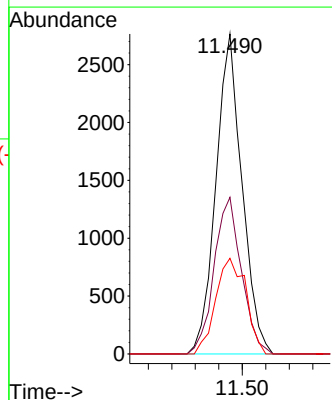
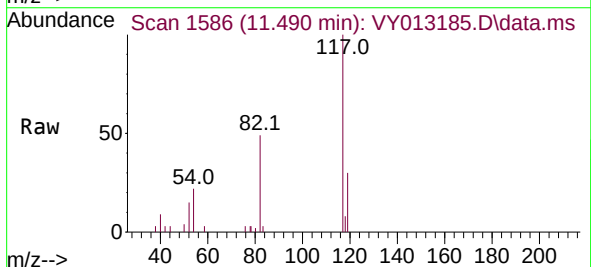
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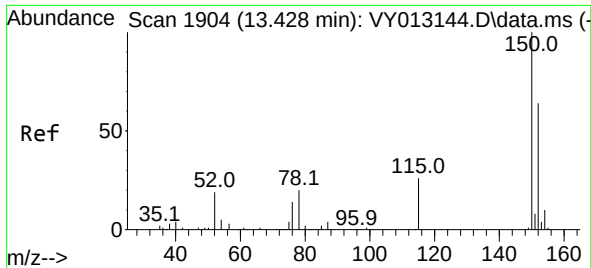
Tgt Ion: 95 Resp: 1424  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 176.6  
176 102.0 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY013185.D  
Acq: 03 Apr 2023 18:52

Tgt Ion: 117 Resp: 4265  
Ion Ratio Lower Upper  
117 100  
82 49.0 45.4 68.0  
119 29.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013185.D

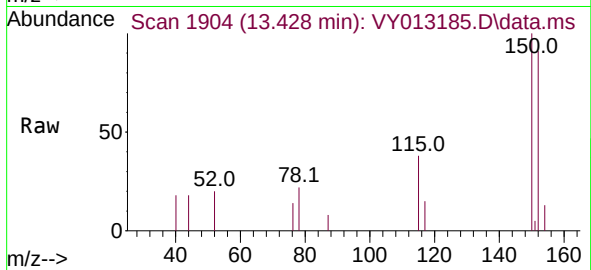
Acq: 03 Apr 2023 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

HR-03-033123



Tgt Ion:152 Resp: 1466

Ion Ratio Lower Upper

152 100

115 52.9 27.1 81.3

150 142.6 0.0 347.8

