

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052423\  
 Data File : VY013855.D  
 Acq On : 24 May 2023 18:42  
 Operator : KP/MD  
 Sample : 02908-02  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB10B

Quant Time: May 25 07:09:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 24 05:25:47 2023  
 Response via : Initial Calibration

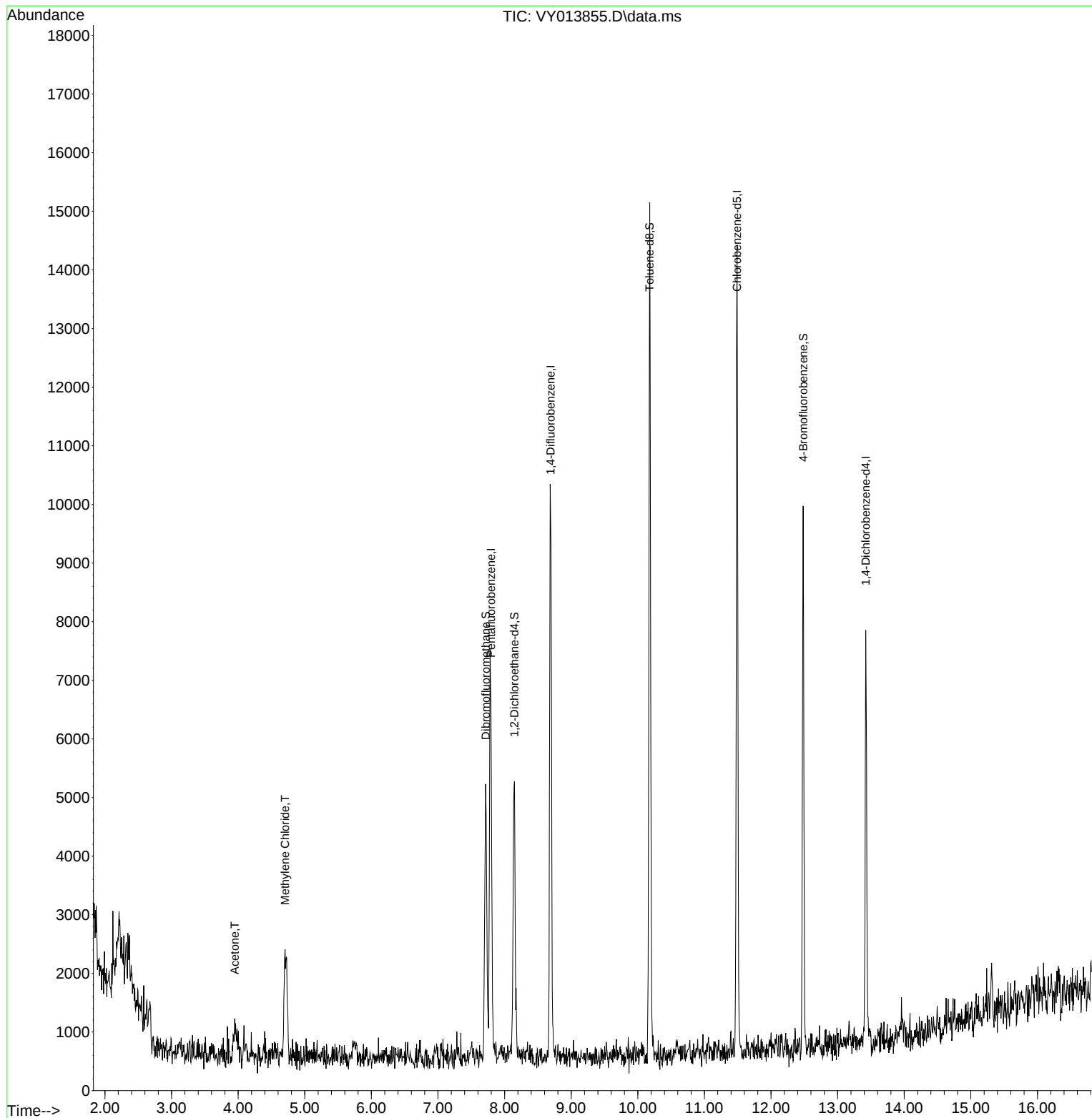
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 5363     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 8841     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 7482     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 1937     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 4110     | 66.243   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 132.480% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 3190     | 55.871   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 111.740% |
| 50) Toluene-d8              | 10.179 | 98    | 9443     | 43.516   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 87.040%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 2445     | 33.896   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 67.800%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 3.948  | 43    | 1111     | 60.332   | ug/l   | 99       |
| 20) Methylene Chloride      | 4.704  | 84    | 1274     | 17.880   | ug/l # | 81       |
| -----                       |        |       |          |          |        |          |

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

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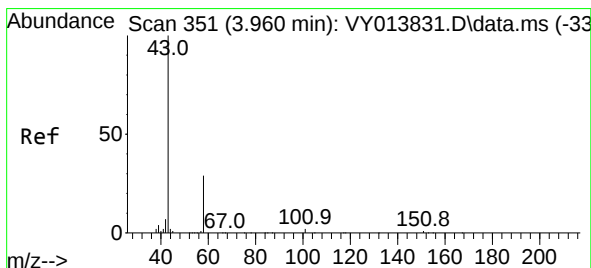
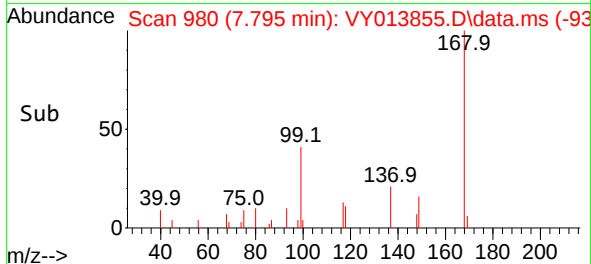
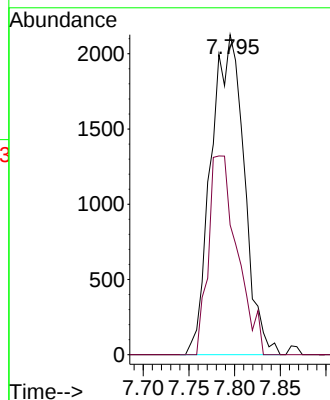
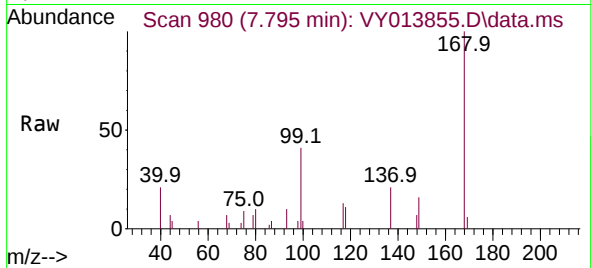




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013855.D  
Acq: 24 May 2023 18:42

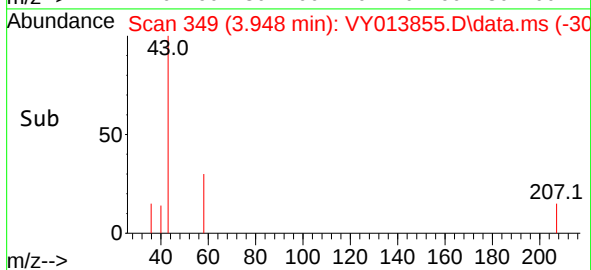
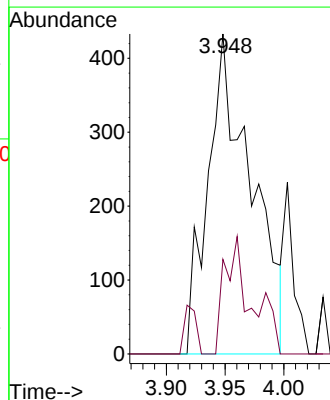
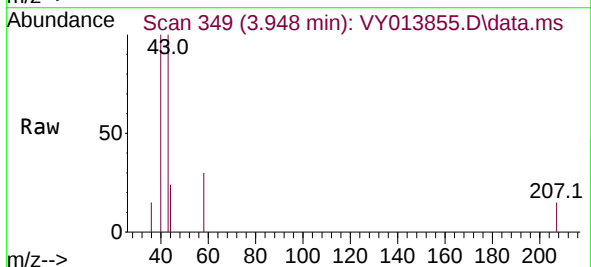
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB10B

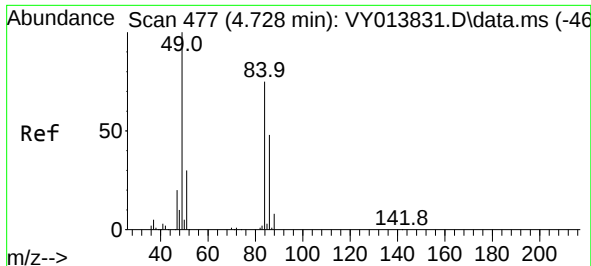
Tgt Ion:168 Resp: 5363  
Ion Ratio Lower Upper  
168 100  
99 40.5 43.4 65.2#



#16  
Acetone  
Concen: 60.332 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY013855.D  
Acq: 24 May 2023 18:42

Tgt Ion: 43 Resp: 1111  
Ion Ratio Lower Upper  
43 100  
58 29.6 23.3 34.9

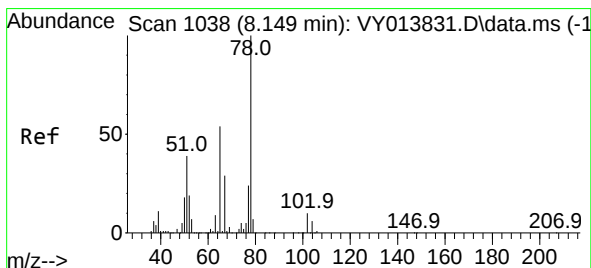
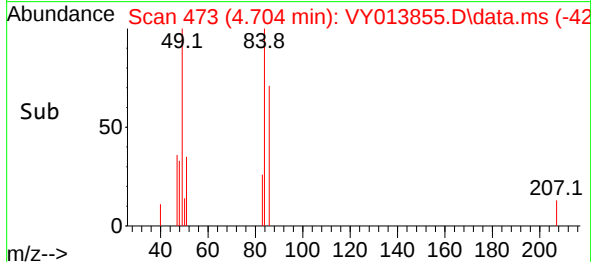
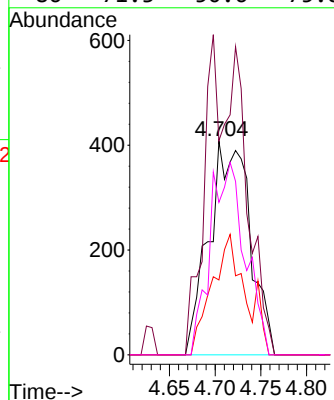
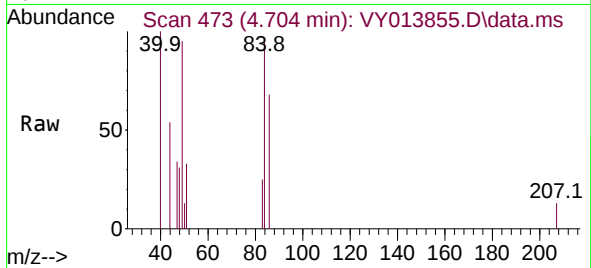




#20  
Methylene Chloride  
Concen: 17.880 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VY013855.D  
Acq: 24 May 2023 18:42

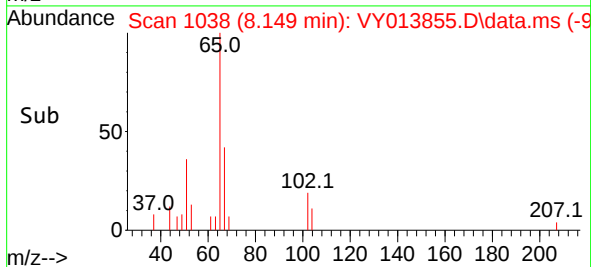
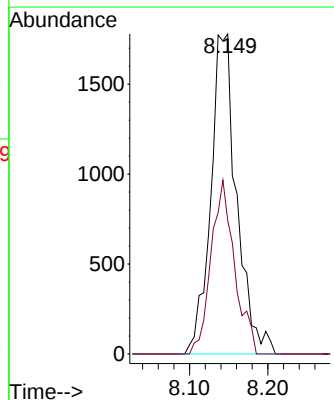
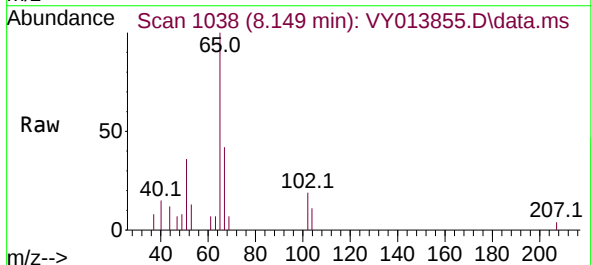
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB10B

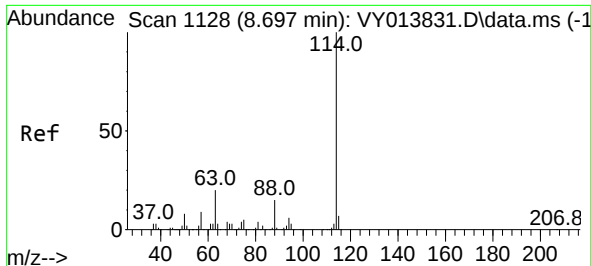
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1274   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 100.2 | 106.2 | 159.2# |
| 51       | 35.0  | 31.4  | 47.0   |
| 86       | 71.3  | 50.6  | 75.8   |



#33  
1,2-Dichloroethane-d4  
Concen: 66.243 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY013855.D  
Acq: 24 May 2023 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 4110  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 49.0  | 0.0   | 104.4 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013855.D

Acq: 24 May 2023 18:42

Instrument :

MSVOA\_Y

ClientSampleId :

SB10B

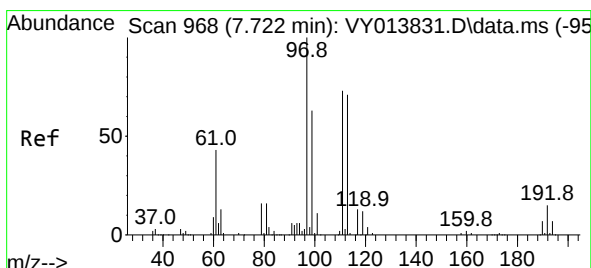
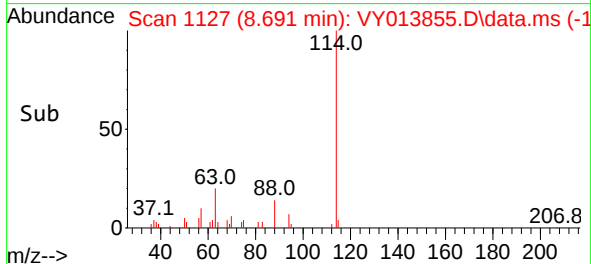
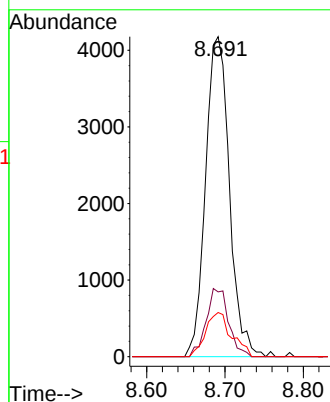
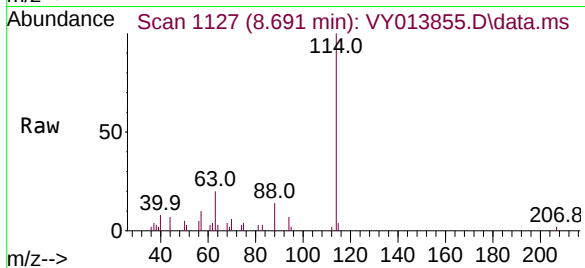
Tgt Ion:114 Resp: 8841

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 13.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.871 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013855.D

Acq: 24 May 2023 18:42

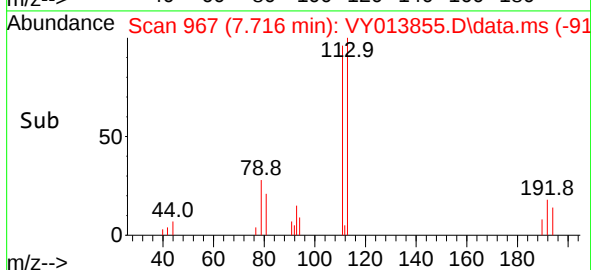
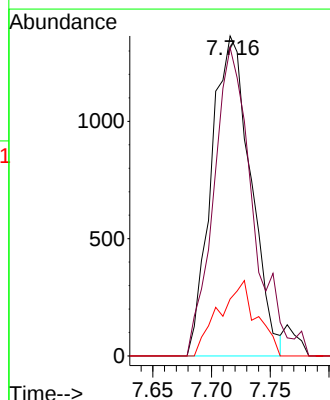
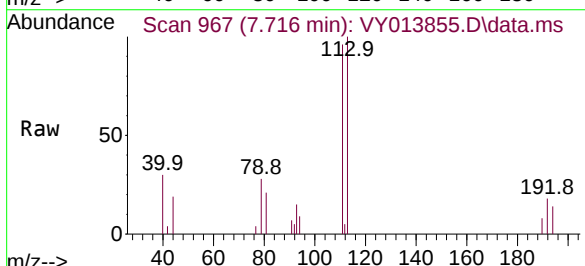
Tgt Ion:113 Resp: 3190

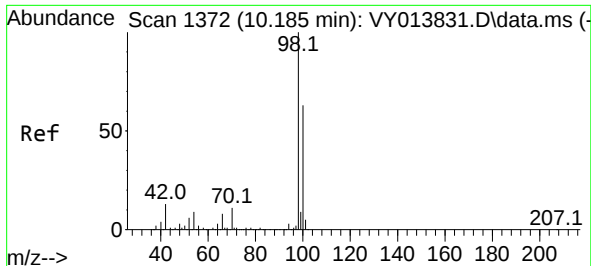
Ion Ratio Lower Upper

113 100

111 96.4 80.4 120.6

192 22.4 16.6 25.0

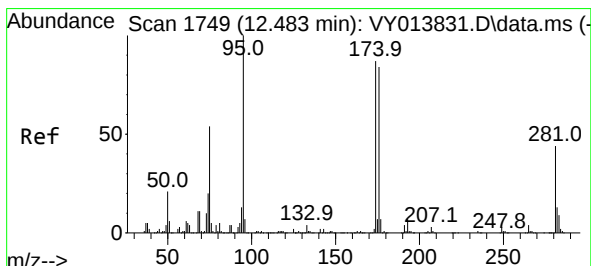
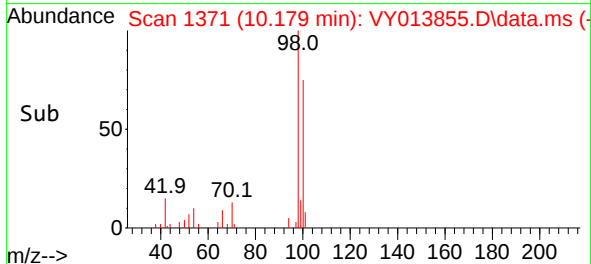
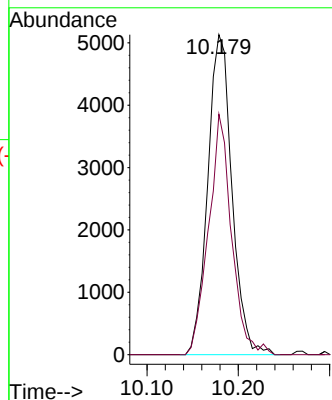
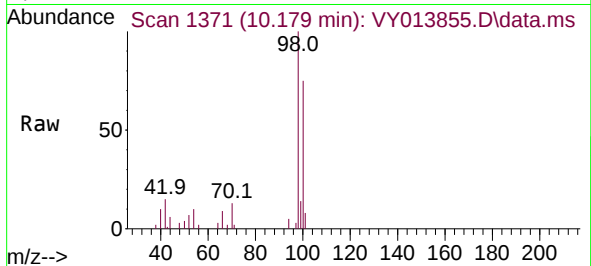




#50  
Toluene-d8  
Concen: 43.516 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013855.D  
Acq: 24 May 2023 18:42

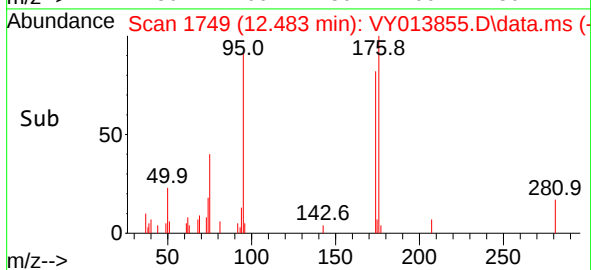
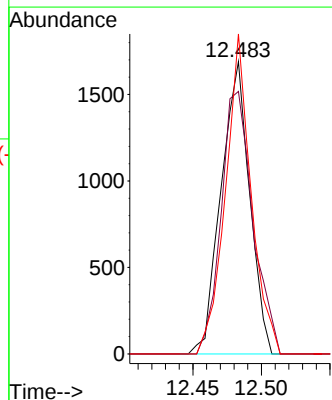
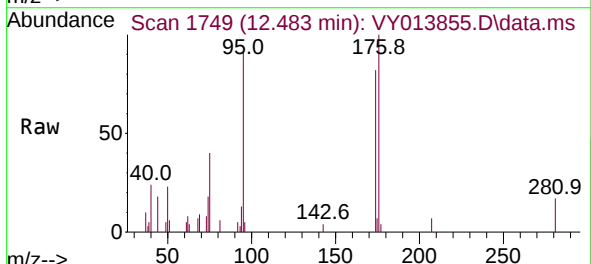
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB10B

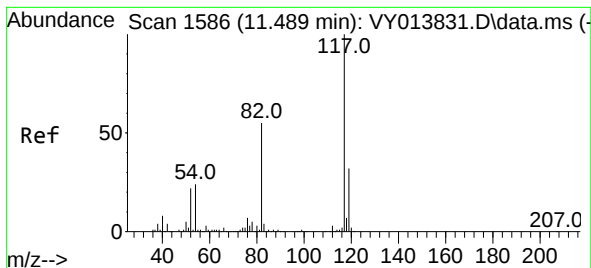
Tgt Ion: 98 Resp: 9443  
Ion Ratio Lower Upper  
98 100  
100 71.5 50.8 76.2



#62  
4-Bromofluorobenzene  
Concen: 33.896 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013855.D  
Acq: 24 May 2023 18:42

Tgt Ion: 95 Resp: 2445  
Ion Ratio Lower Upper  
95 100  
174 99.9 0.0 176.0  
176 98.4 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013855.D

Acq: 24 May 2023 18:42

Instrument :

MSVOA\_Y

ClientSampleId :

SB10B

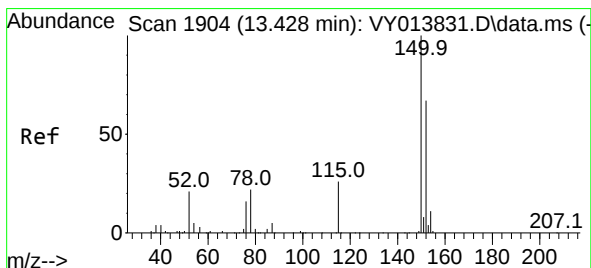
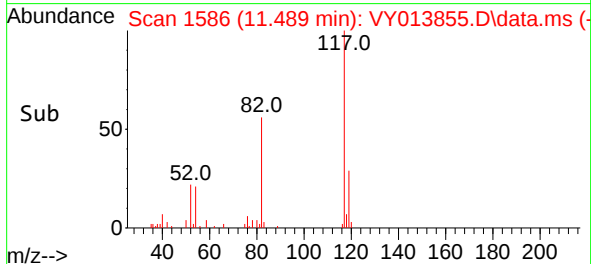
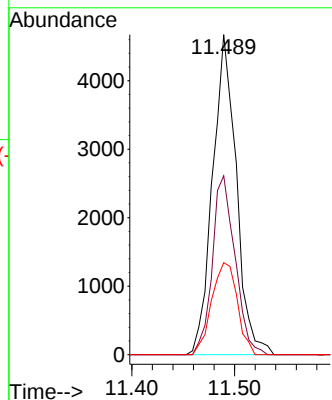
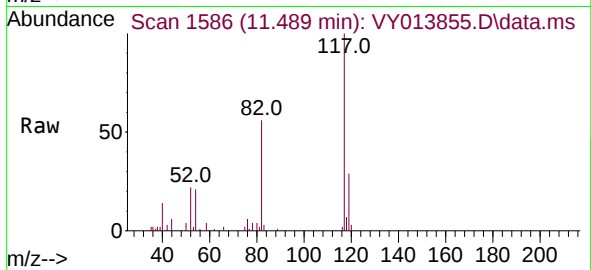
Tgt Ion:117 Resp: 7482

Ion Ratio Lower Upper

117 100

82 55.9 44.2 66.4

119 28.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013855.D

Acq: 24 May 2023 18:42

Tgt Ion:152 Resp: 1937

Ion Ratio Lower Upper

152 100

115 60.1 28.8 86.5

150 162.8 0.0 353.4

