

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072723\  
 Data File : VY014879.D  
 Acq On : 27 Jul 2023 13:55  
 Operator : SY/MD  
 Sample : 03686-14  
 Misc : 4.20g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-22-4-6-20230721

Quant Time: Jul 28 02:37:37 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

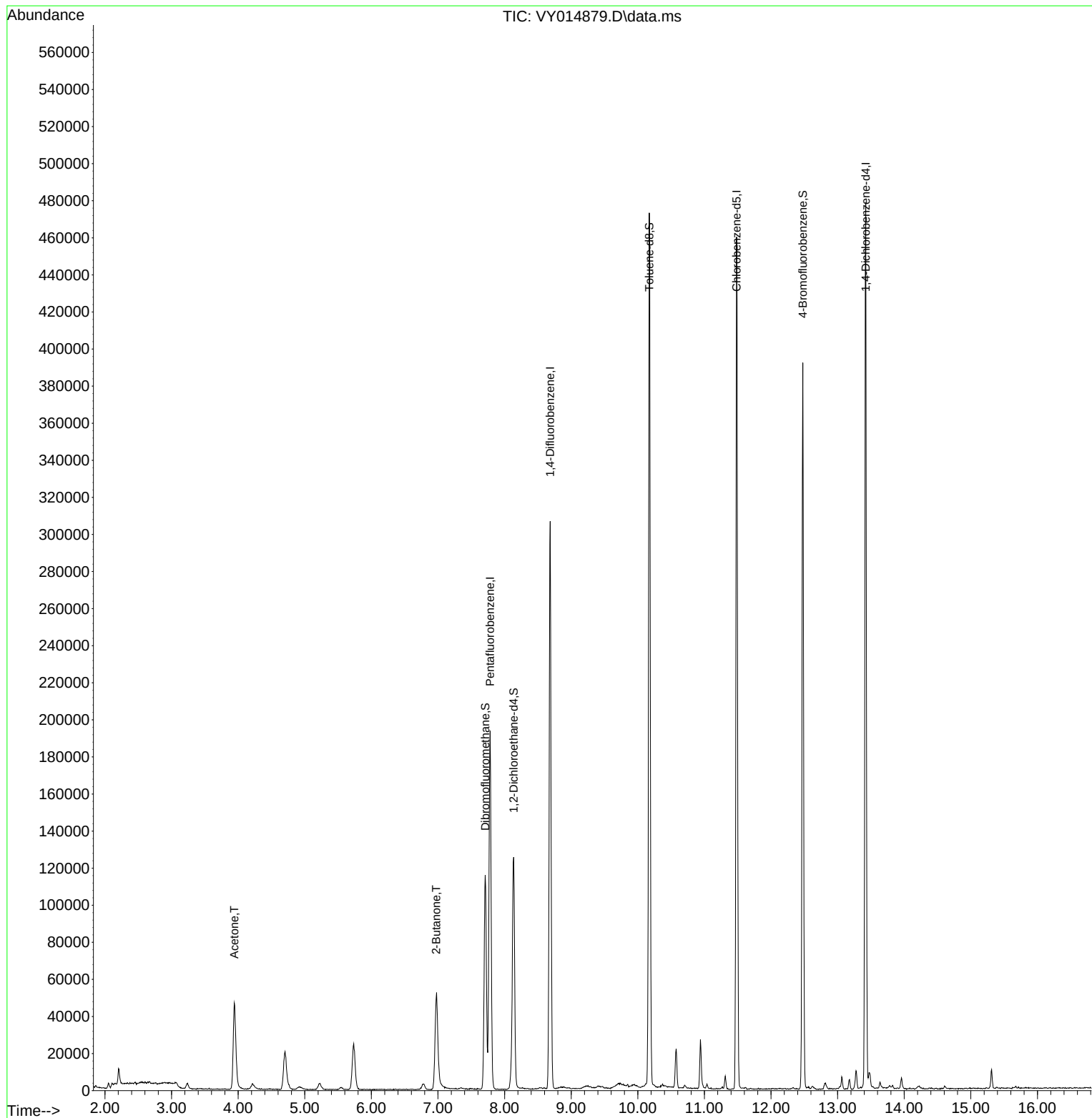
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 146698   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 258861   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 250827   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 122094   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 95822    | 57.321   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 114.640% |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 82759    | 50.223   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.440% |          |
| 50) Toluene-d8              | 10.173 | 98    | 306702   | 50.484   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 100.960% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 114679   | 49.229   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 98.460%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.942  | 43    | 84604    | 159.710  | ug/l       | 93       |
| 25) 2-Butanone              | 6.972  | 43    | 3514     | 4.534    | ug/l #     | 72       |
| -----                       |        |       |          |          |            |          |

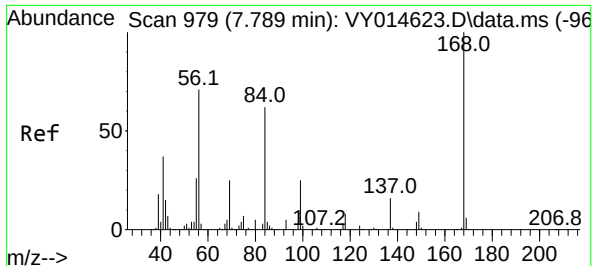
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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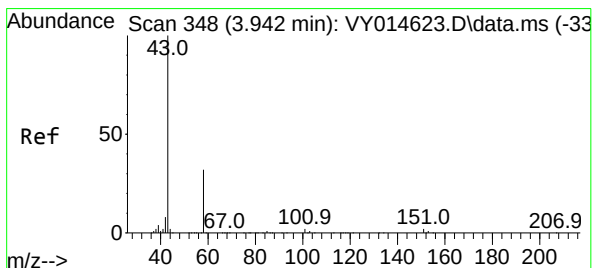
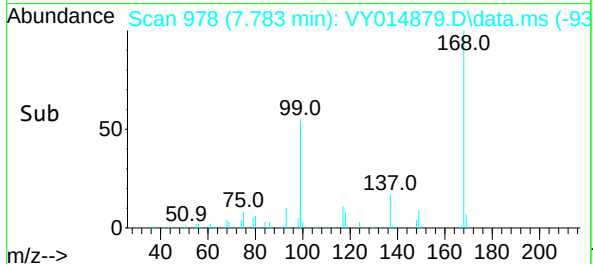
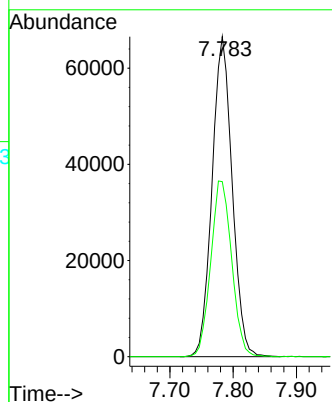
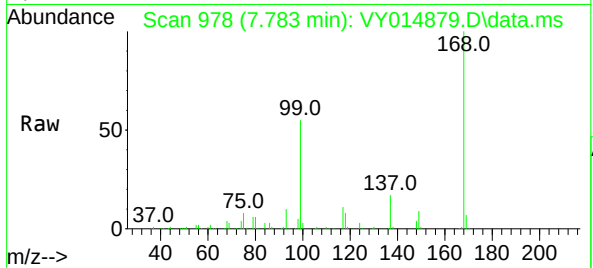




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014879.D  
Acq: 27 Jul 2023 13:55

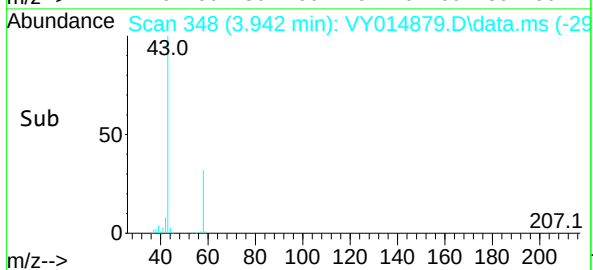
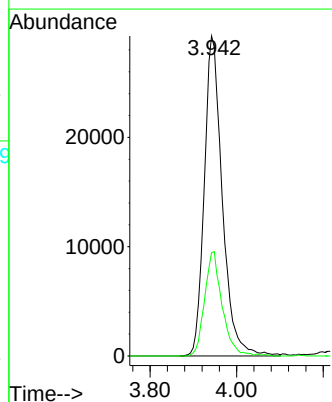
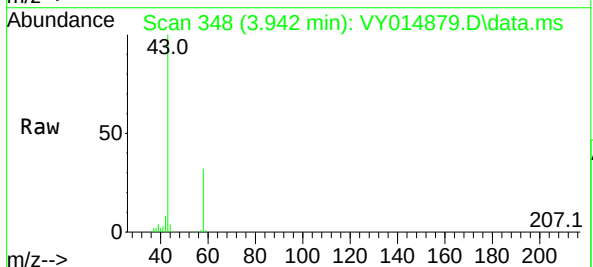
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-22-4-6-20230721

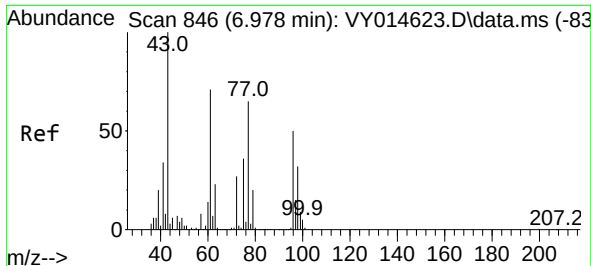
Tgt Ion:168 Resp: 146698  
Ion Ratio Lower Upper  
168 100  
99 54.7 43.4 65.0



#16  
Acetone  
Concen: 159.710 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY014879.D  
Acq: 27 Jul 2023 13:55

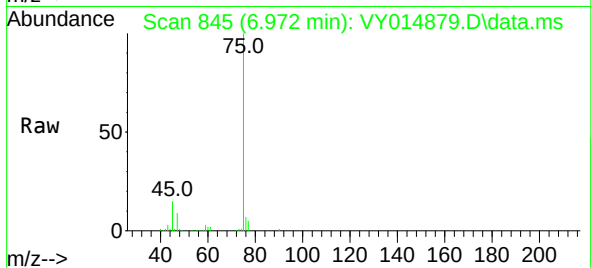
Tgt Ion: 43 Resp: 84604  
Ion Ratio Lower Upper  
43 100  
58 32.2 22.7 34.1



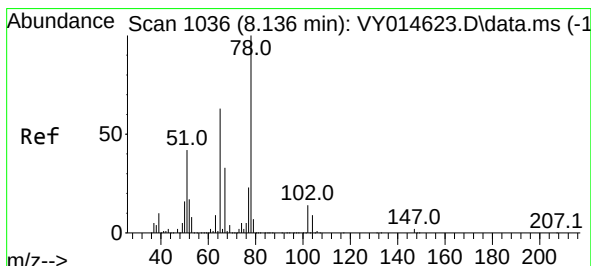
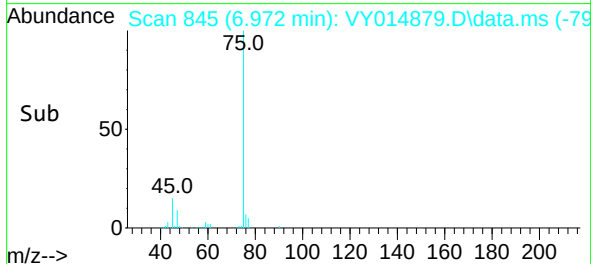
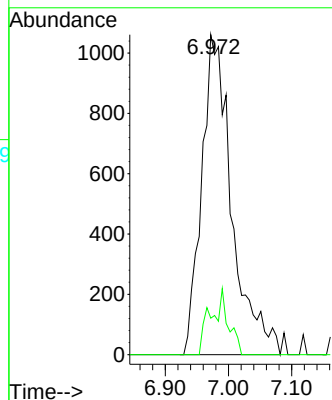


#25  
2-Butanone  
Concen: 4.534 ug/l  
RT: 6.972 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY014879.D  
Acq: 27 Jul 2023 13:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-22-4-6-20230721

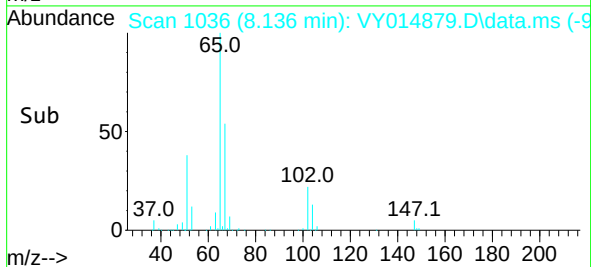
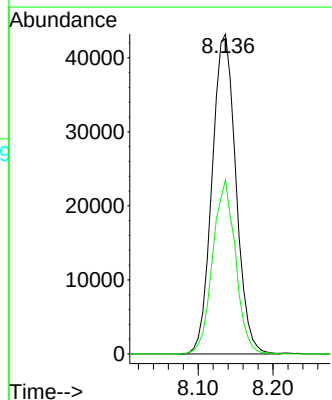
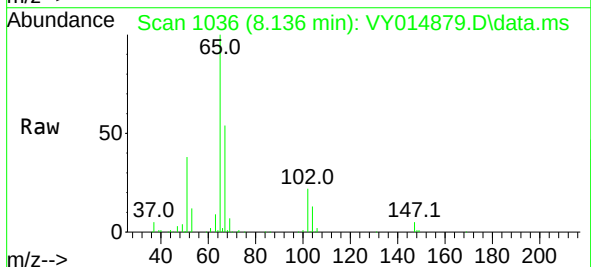


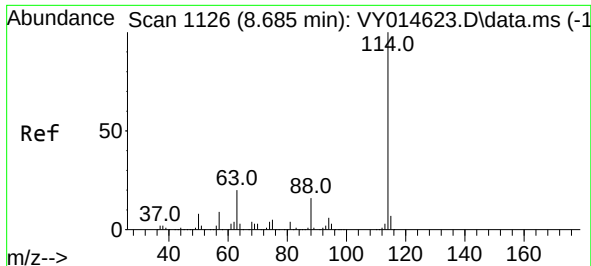
Tgt Ion: 43 Resp: 3514  
Ion Ratio Lower Upper  
43 100  
72 11.4 20.5 30.7#



#33  
1,2-Dichloroethane-d4  
Concen: 57.321 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014879.D  
Acq: 27 Jul 2023 13:55

Tgt Ion: 65 Resp: 95822  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014879.D

Acq: 27 Jul 2023 13:55

Instrument :

MSVOA\_Y

ClientSampleId :

SB-22-4-6-20230721

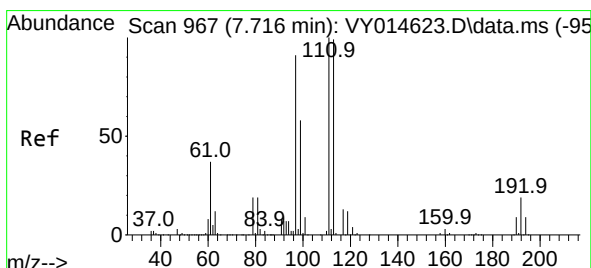
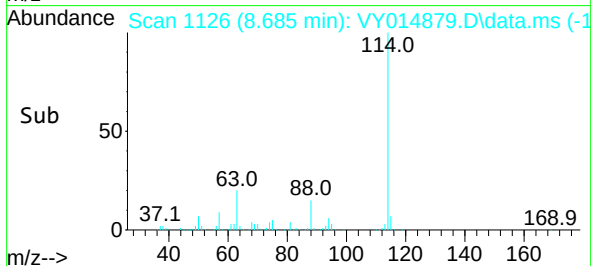
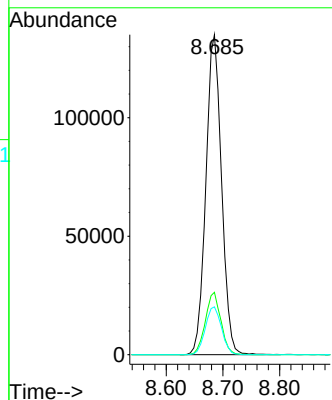
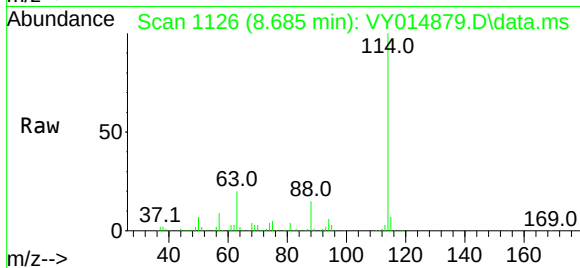
Tgt Ion:114 Resp: 258861

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.223 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014879.D

Acq: 27 Jul 2023 13:55

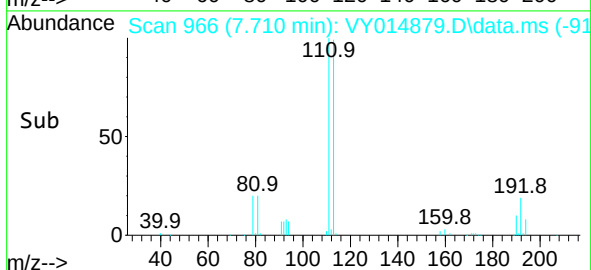
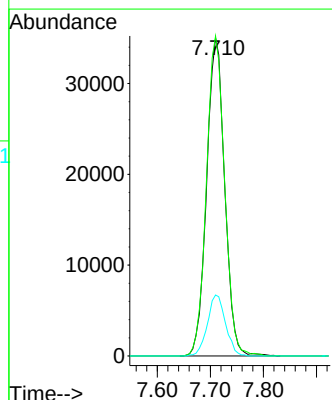
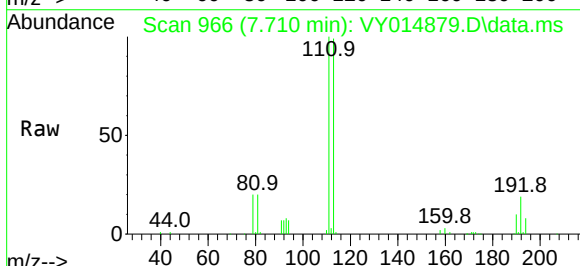
Tgt Ion:113 Resp: 82759

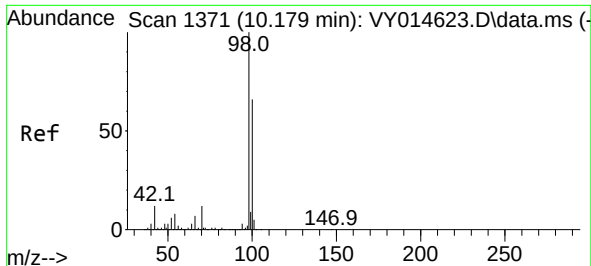
Ion Ratio Lower Upper

113 100

111 101.4 81.3 121.9

192 19.3 16.9 25.3

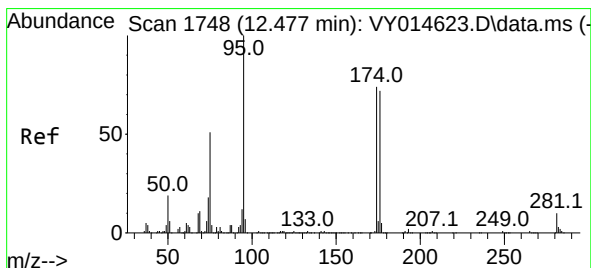
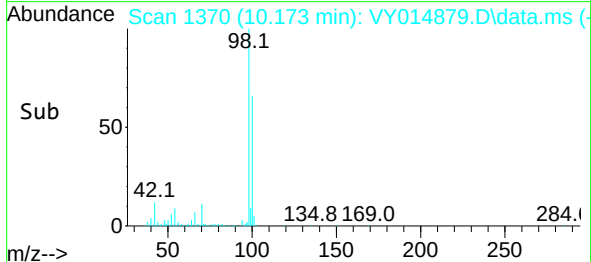
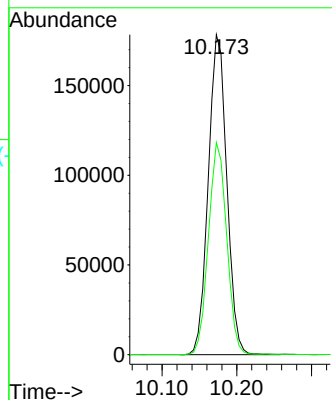
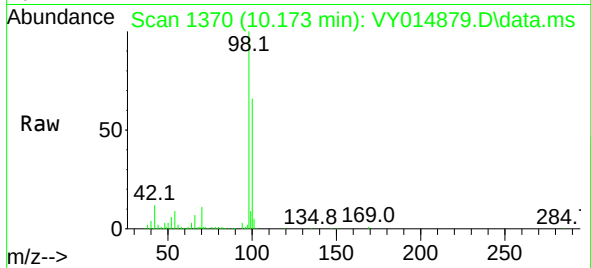




#50  
Toluene-d8  
Concen: 50.484 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014879.D  
Acq: 27 Jul 2023 13:55

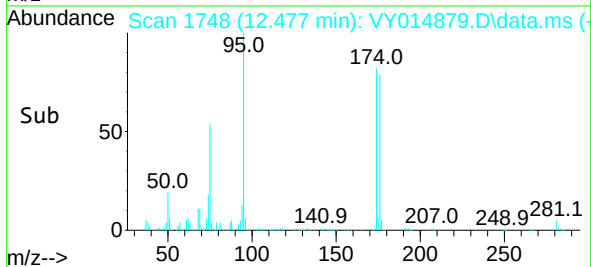
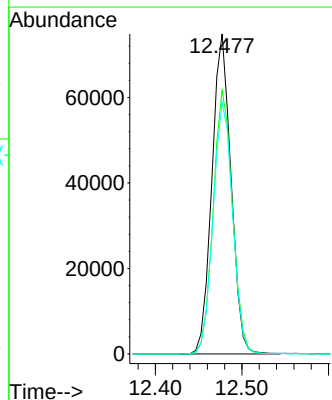
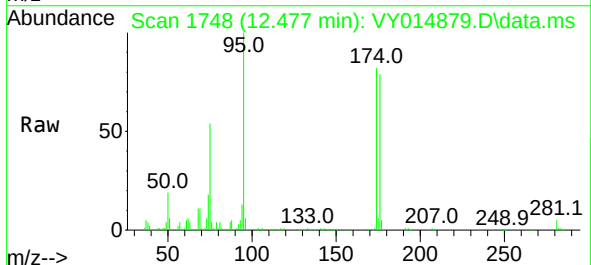
Instrument :  
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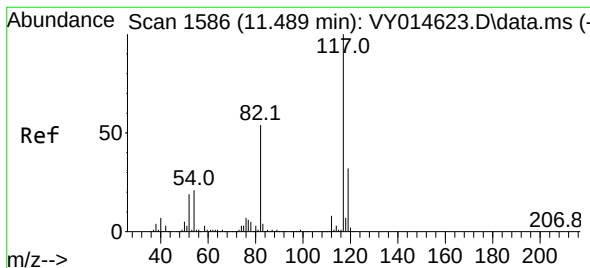
Tgt Ion: 98 Resp: 306702  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.229 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014879.D  
Acq: 27 Jul 2023 13:55

Tgt Ion: 95 Resp: 114679  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 178.2  
176 80.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014879.D

Acq: 27 Jul 2023 13:55

Instrument :

MSVOA\_Y

ClientSampleId :

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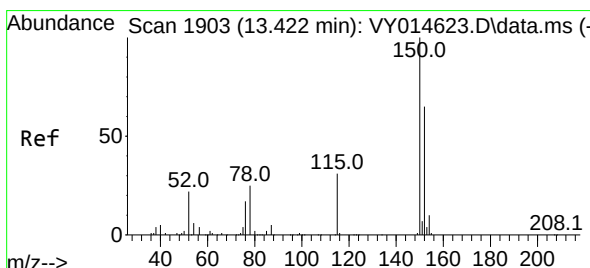
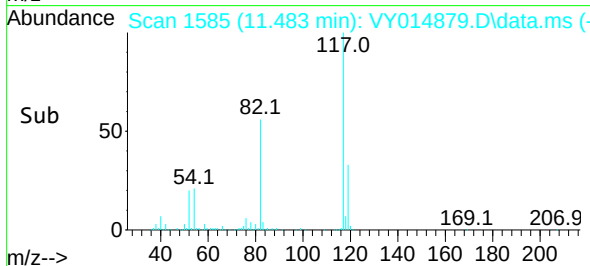
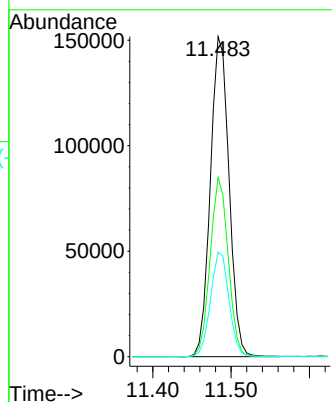
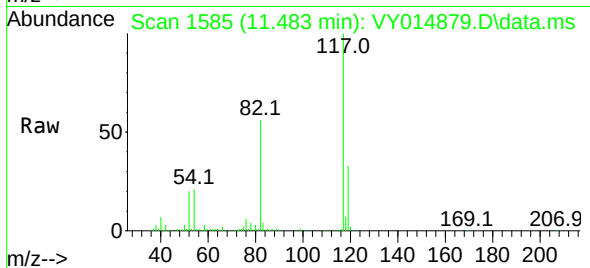
Tgt Ion:117 Resp: 250827

Ion Ratio Lower Upper

117 100

82 56.0 43.4 65.0

119 32.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014879.D

Acq: 27 Jul 2023 13:55

Tgt Ion:152 Resp: 122094

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 156.4 0.0 348.8

