

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071423\  
 Data File : VY014656.D  
 Acq On : 14 Jul 2023 18:38  
 Operator : SY/MD  
 Sample : 03632-01  
 Misc : 4.68g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-01-(2-4)

Quant Time: Jul 14 23:15:05 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

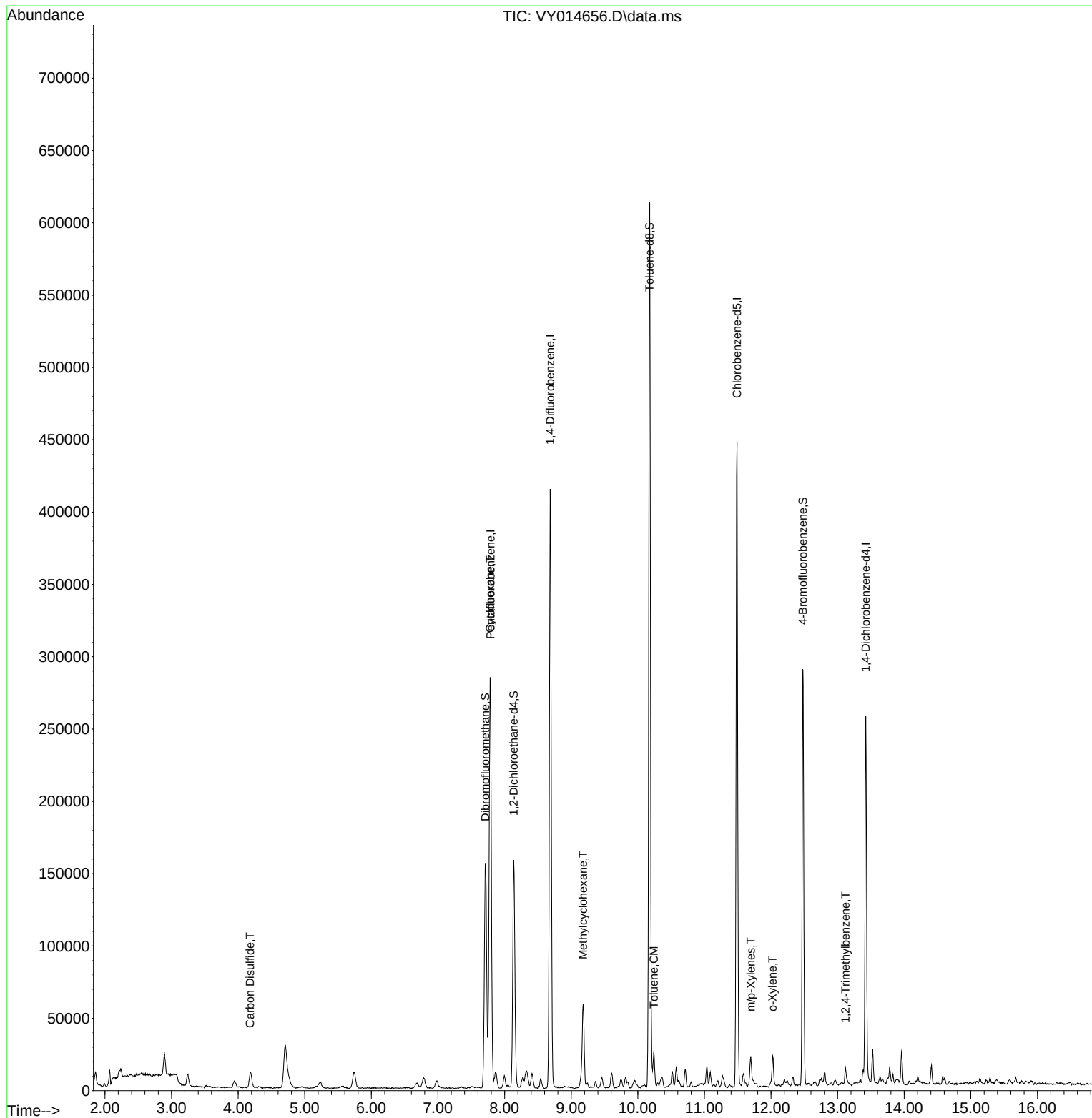
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 214446   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 354466   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 248271   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 65508    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 118825   | 48.625   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 97.260%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 112429   | 49.826   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 99.660%  |
| 50) Toluene-d8              | 10.179 | 98    | 400188   | 48.105   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 96.220%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 87304    | 27.369   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 54.740%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 17) Carbon Disulfide        | 4.180  | 76    | 21566    | 3.567    | ug/l   | 99       |
| 31) Cyclohexane             | 7.783  | 56    | 12735    | 3.139    | ug/l # | 59       |
| 39) Methylcyclohexane       | 9.179  | 83    | 25299    | 5.755    | ug/l   | 97       |
| 52) Toluene                 | 10.240 | 92    | 9134     | 1.487    | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.697 | 106   | 6262     | 1.717    | ug/l   | 98       |
| 69) o-Xylene                | 12.026 | 106   | 5462     | 1.538    | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.117 | 105   | 6213     | 1.478    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

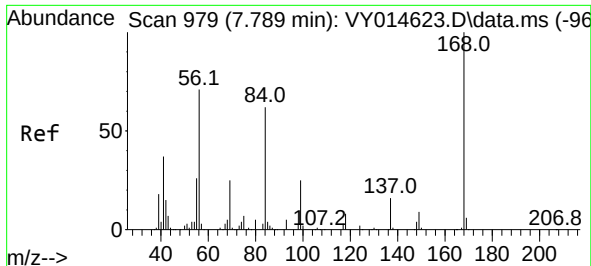
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-01-(2-4)

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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

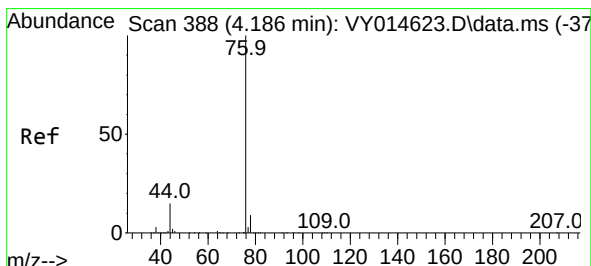
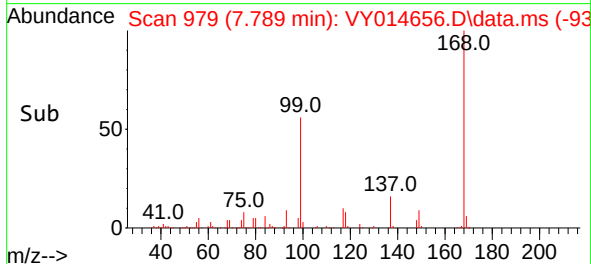
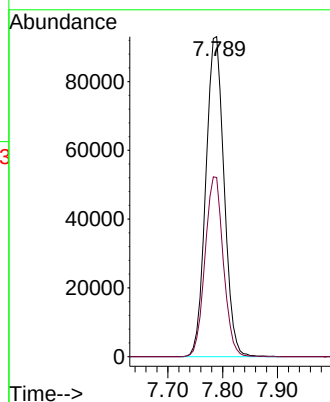
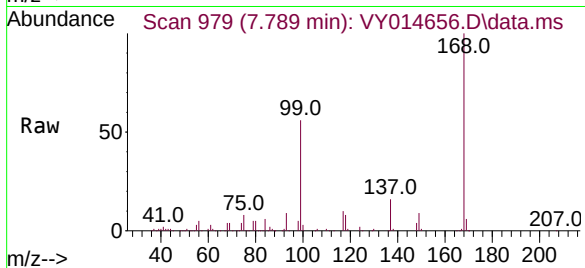




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014656.D  
Acq: 14 Jul 2023 18:38

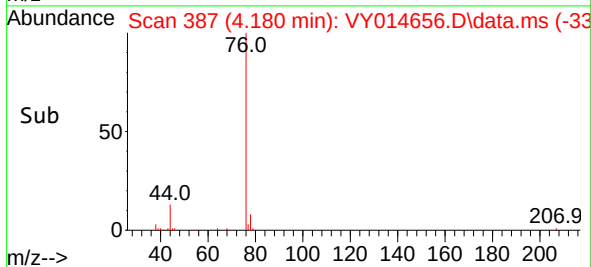
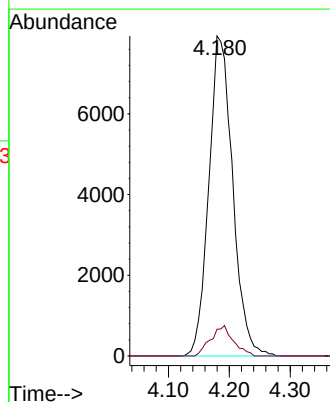
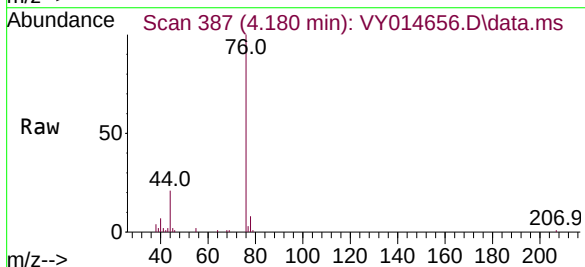
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-(2-4)

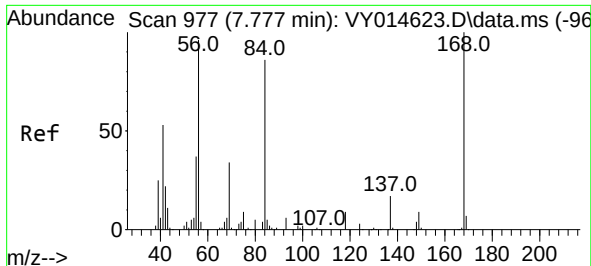
Tgt Ion:168 Resp: 214446  
Ion Ratio Lower Upper  
168 100  
99 56.0 43.4 65.0



#17  
Carbon Disulfide  
Concen: 3.567 ug/l  
RT: 4.180 min Scan# 387  
Delta R.T. -0.006 min  
Lab File: VY014656.D  
Acq: 14 Jul 2023 18:38

Tgt Ion: 76 Resp: 21566  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.0 10.4

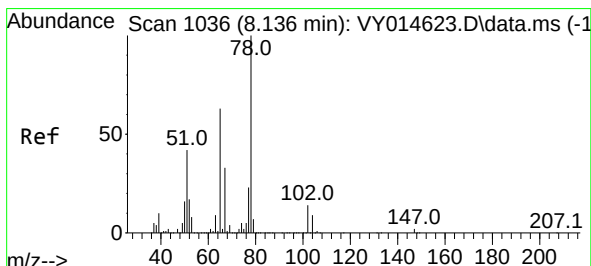
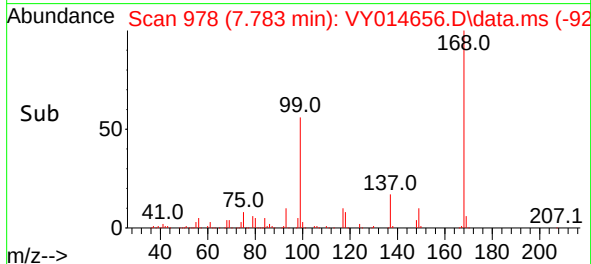
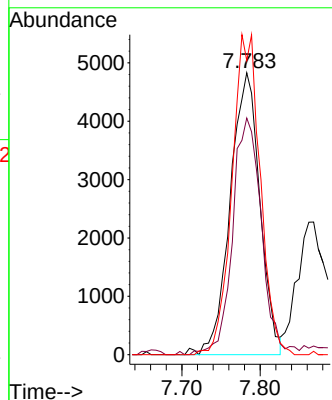
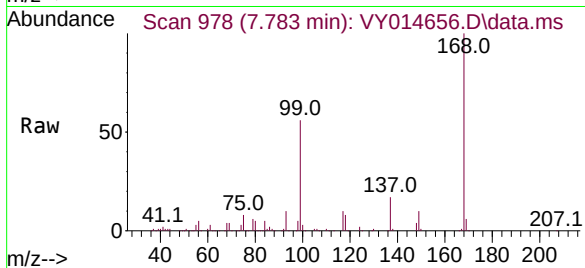




#31  
Cyclohexane  
Concen: 3.139 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014656.D  
Acq: 14 Jul 2023 18:38

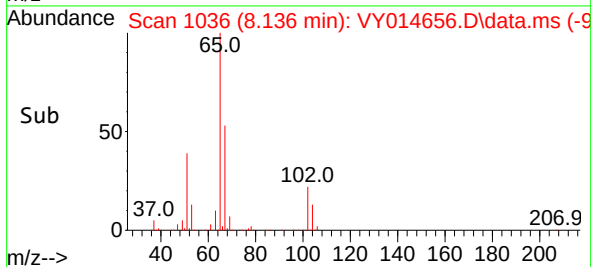
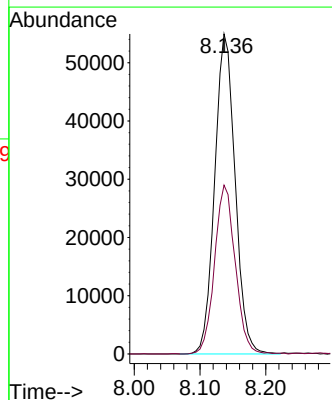
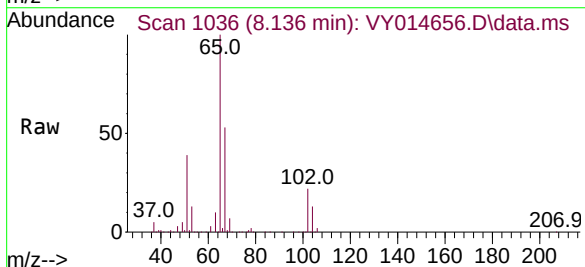
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-(2-4)

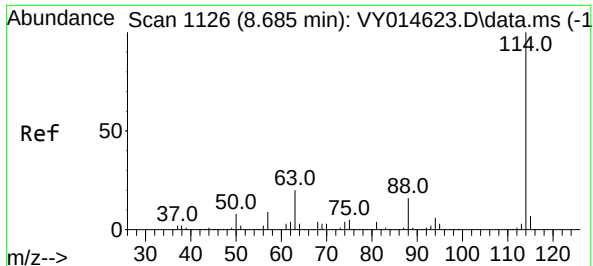
Tgt Ion: 56 Resp: 12735  
Ion Ratio Lower Upper  
56 100  
69 82.8 27.8 41.6#  
84 104.3 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 48.625 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014656.D  
Acq: 14 Jul 2023 18:38

Tgt Ion: 65 Resp: 118825  
Ion Ratio Lower Upper  
65 100  
67 53.4 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: VY014656.D

Acq: 14 Jul 2023 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01-(2-4)

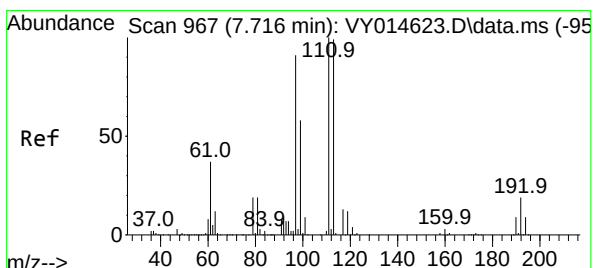
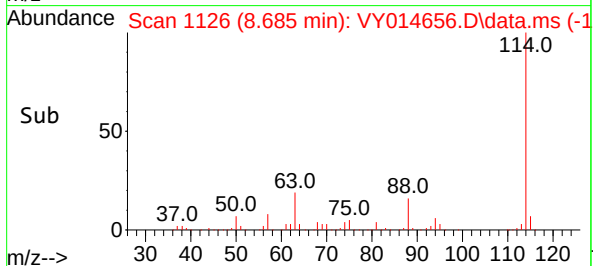
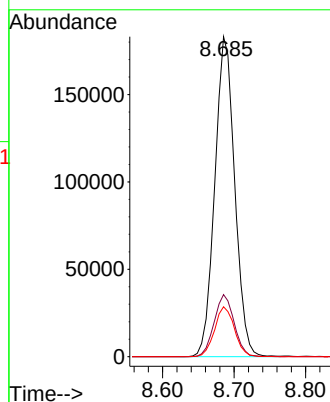
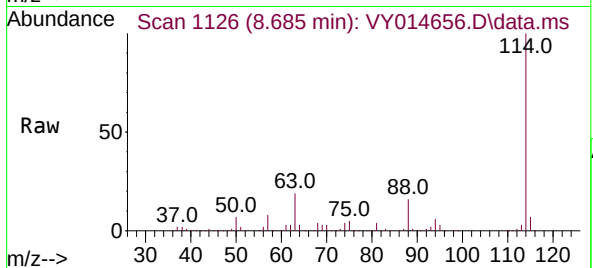
Tgt Ion:114 Resp: 354466

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.826 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

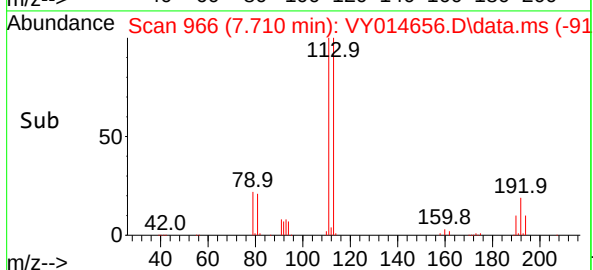
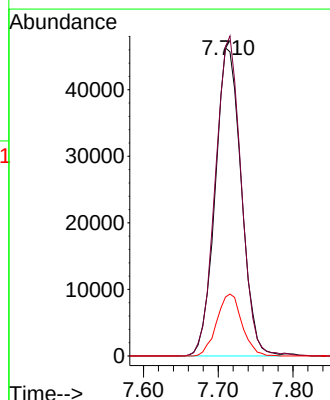
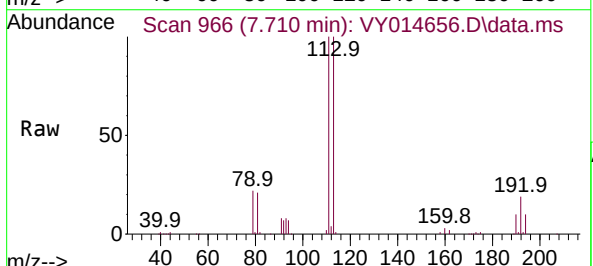
Tgt Ion:113 Resp: 112429

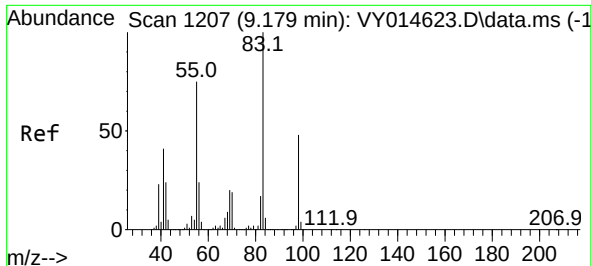
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 19.4 16.9 25.3





#39

Methylcyclohexane

Concen: 5.755 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.000 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01-(2-4)

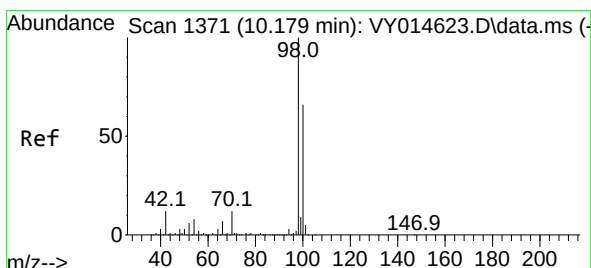
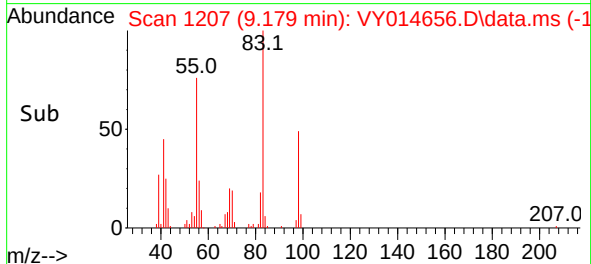
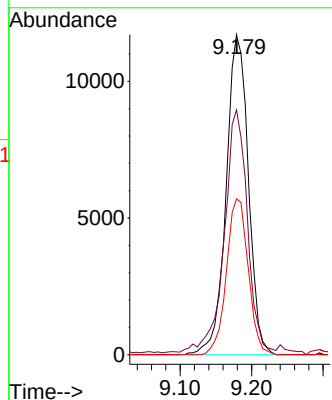
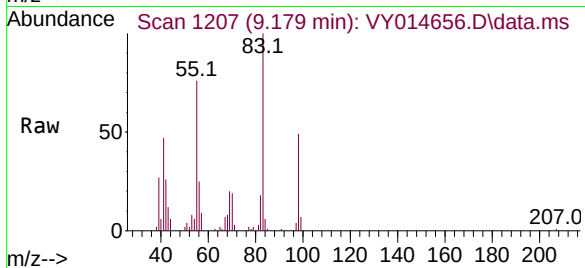
Tgt Ion: 83 Resp: 25299

Ion Ratio Lower Upper

83 100

55 75.7 63.0 94.4

98 48.7 37.4 56.2



#50

Toluene-d8

Concen: 48.105 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014656.D

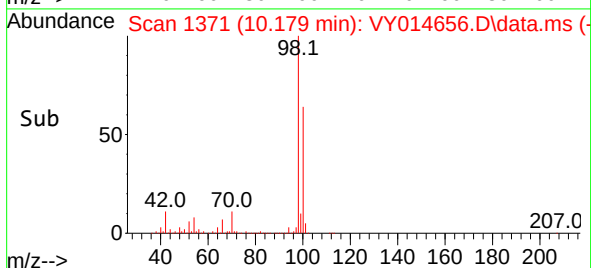
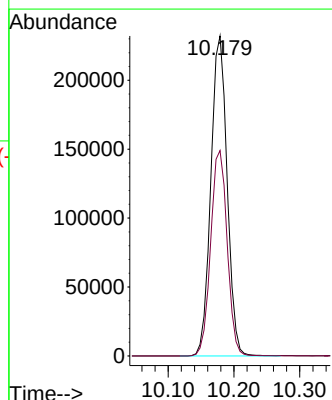
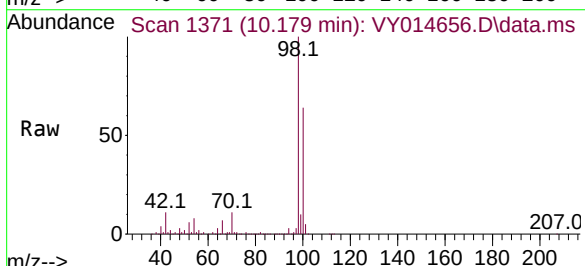
Acq: 14 Jul 2023 18:38

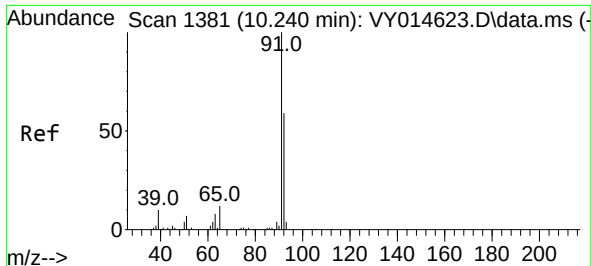
Tgt Ion: 98 Resp: 400188

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1

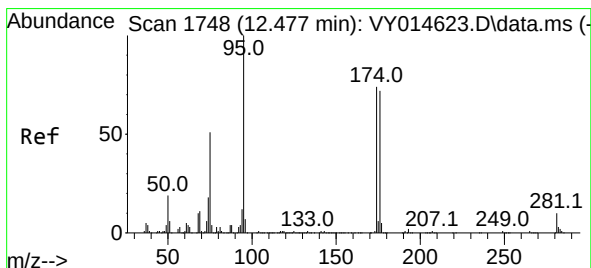
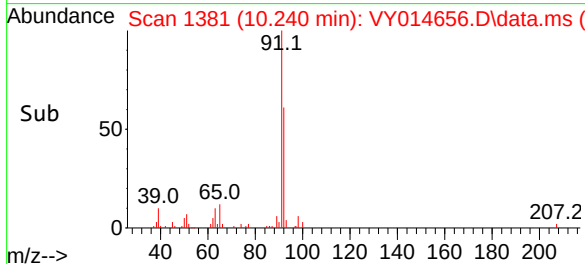
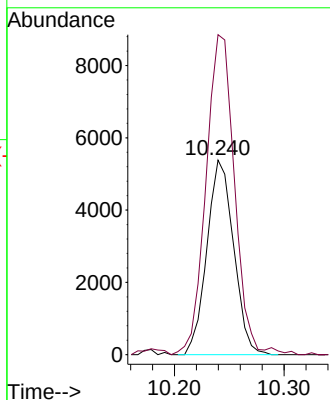
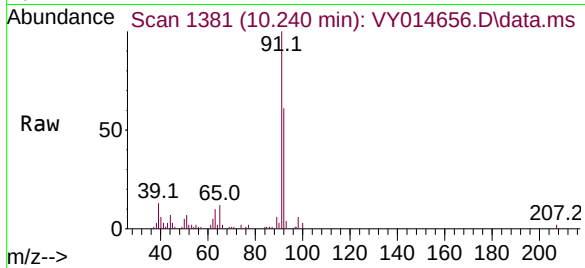




#52  
Toluene  
Concen: 1.487 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY014656.D  
Acq: 14 Jul 2023 18:38

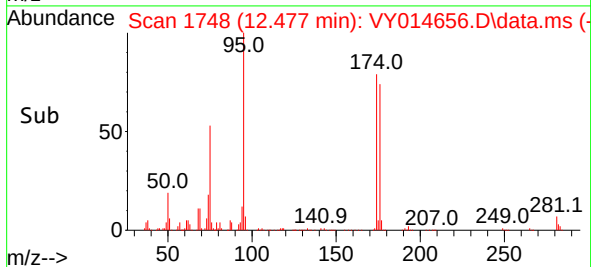
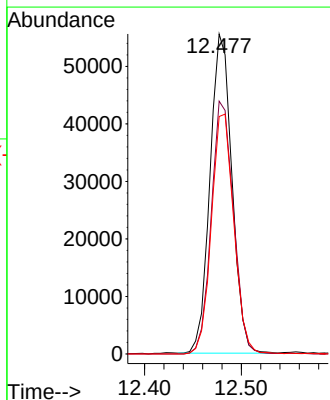
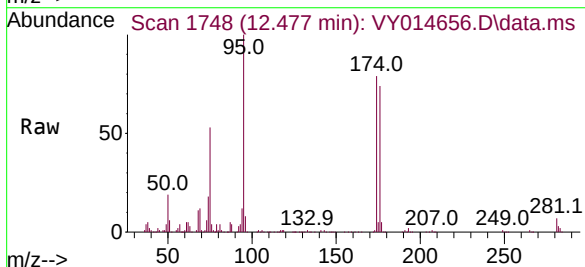
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-(2-4)

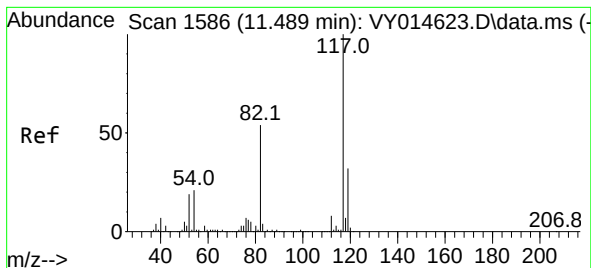
Tgt Ion: 92 Resp: 9134  
Ion Ratio Lower Upper  
92 100  
91 175.6 143.8 215.6



#62  
4-Bromofluorobenzene  
Concen: 27.369 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014656.D  
Acq: 14 Jul 2023 18:38

Tgt Ion: 95 Resp: 87304  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 178.2  
176 77.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01-(2-4)

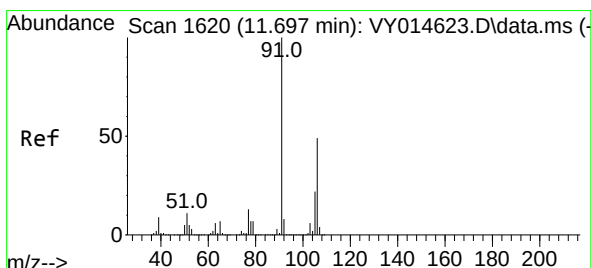
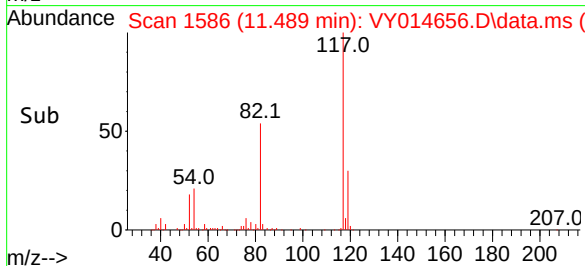
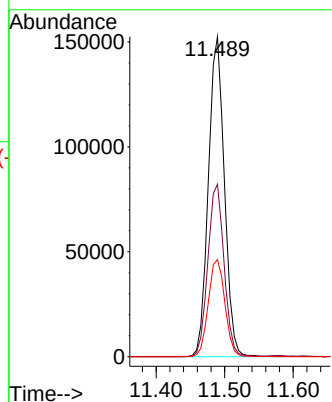
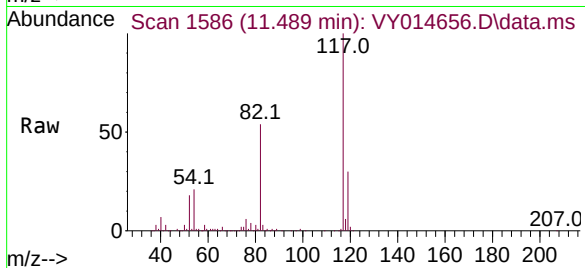
Tgt Ion:117 Resp: 248271

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 30.3 26.3 39.5



#68

m/p-Xylenes

Concen: 1.717 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014656.D

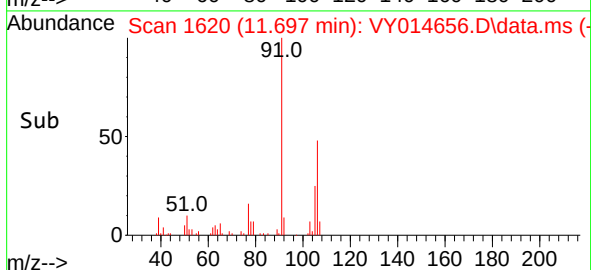
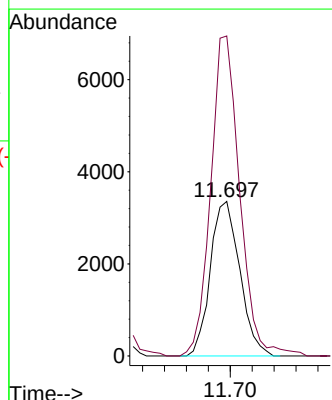
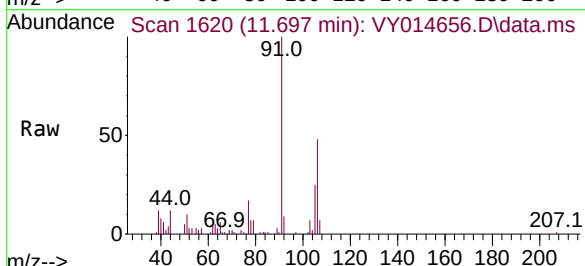
Acq: 14 Jul 2023 18:38

Tgt Ion:106 Resp: 6262

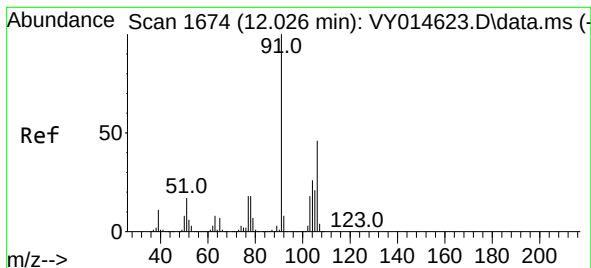
Ion Ratio Lower Upper

106 100

91 203.9 166.1 249.1







#69

o-Xylene

Concen: 1.538 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

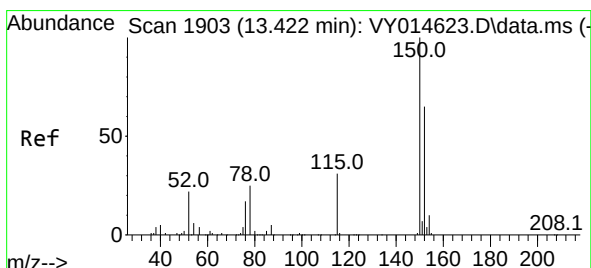
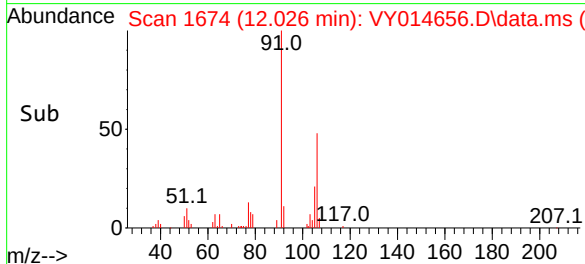
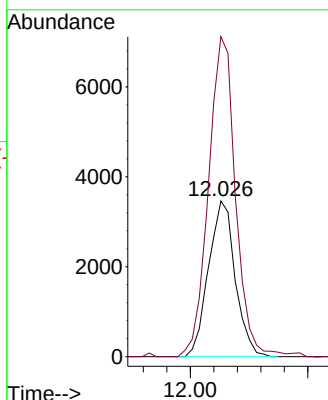
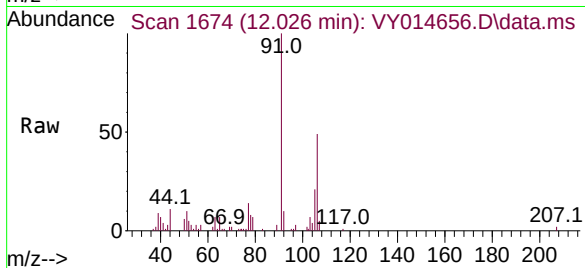
SB-01-(2-4)

Tgt Ion:106 Resp: 5462

Ion Ratio Lower Upper

106 100

91 209.2 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

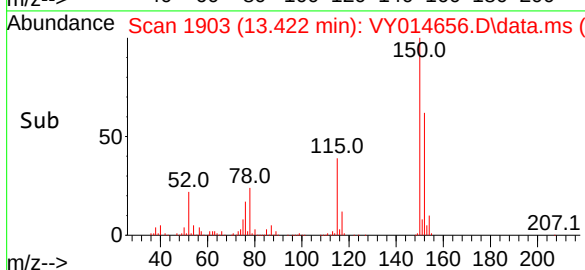
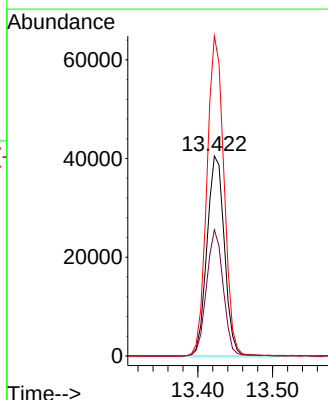
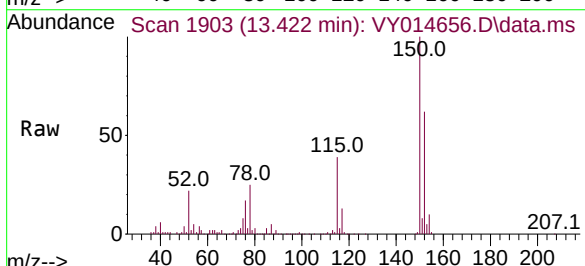
Tgt Ion:152 Resp: 65508

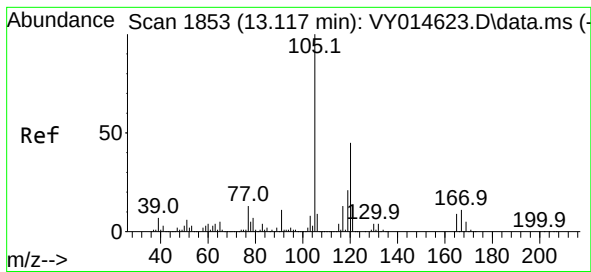
Ion Ratio Lower Upper

152 100

115 60.7 28.8 86.5

150 156.1 0.0 348.8





#84

1,2,4-Trimethylbenzene

Concen: 1.478 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014656.D

Acq: 14 Jul 2023 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01-(2-4)

Tgt Ion:105 Resp: 6213

Ion Ratio Lower Upper

105 100

120 43.8 22.2 66.6

