

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071423\  
 Data File : VY014652.D  
 Acq On : 14 Jul 2023 17:03  
 Operator : SY/MD  
 Sample : 03632-02  
 Misc : 6.62g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-02-(5-7)

Quant Time: Jul 14 23:13:07 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

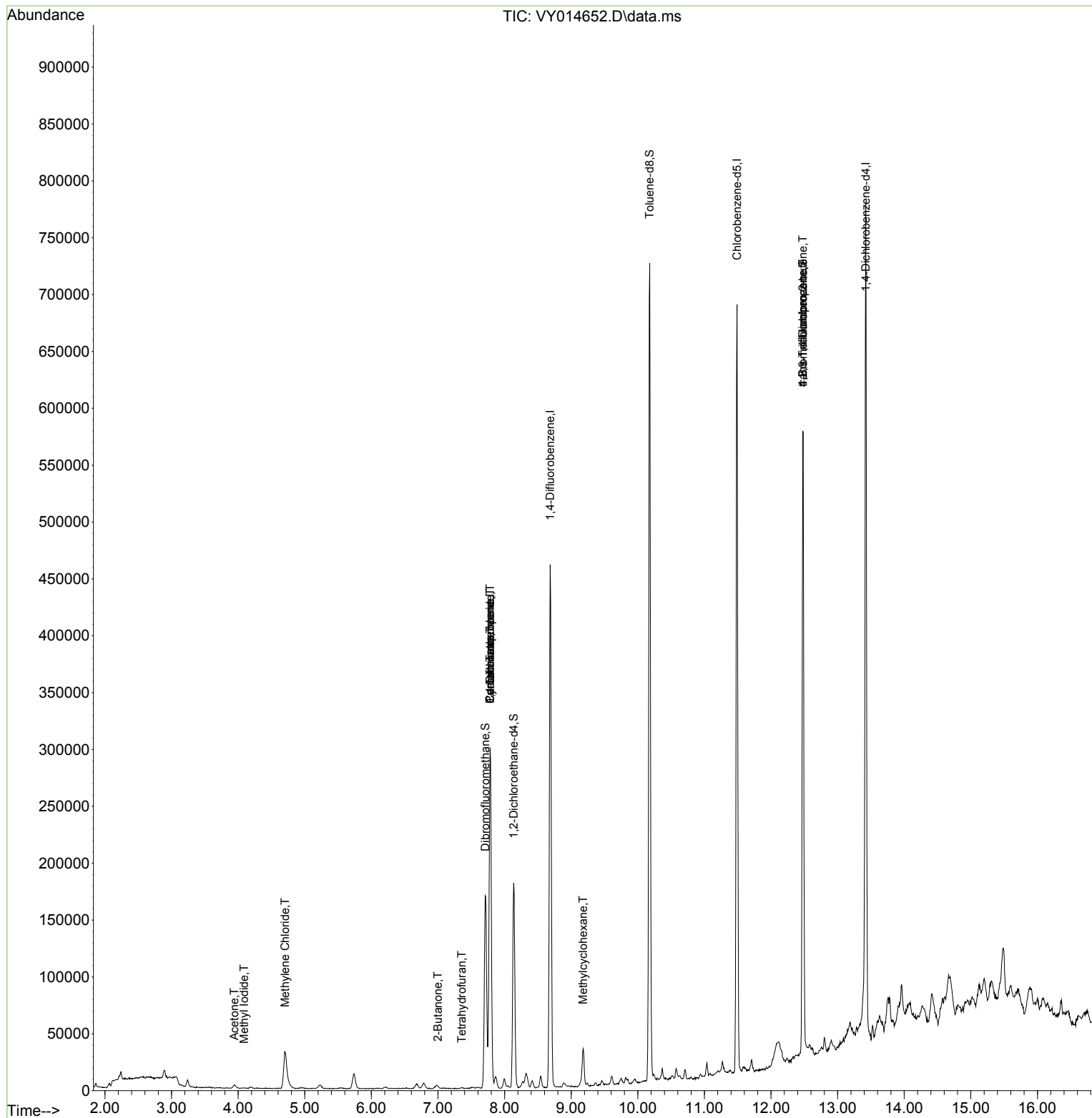
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 227300   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 398345   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 365633   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 176177   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 139589   | 53.892    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 107.780% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 123882   | 48.854    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 97.700%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 469569   | 50.228    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 100.460% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 176456   | 49.225    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 98.440%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.088  | 142   | 95       | 2.405     | ug/l #     | 38       |
| 11) Tert butyl alcohol        | 4.942  | 59    | 1438     | Below Cal | #          | 83       |
| 16) Acetone                   | 3.942  | 43    | 5187     | 6.319     | ug/l       | 92       |
| 20) Methylene Chloride        | 4.704  | 84    | 24081    | 5.252     | ug/l       | 88       |
| 25) 2-Butanone                | 6.996  | 43    | 1463     | 1.218     | ug/l       | 98       |
| 29) Tetrahydrofuran           | 7.356  | 42    | 1060     | 1.434     | ug/l #     | 53       |
| 31) Cyclohexane               | 7.783  | 56    | 11570    | 2.691     | ug/l #     | 42       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 17379    | 4.583     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 22763    | 5.678     | ug/l #     | 16       |
| 39) Methylcyclohexane         | 9.179  | 83    | 14540    | 2.943     | ug/l       | 96       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 91925    | 41.313    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 91925    | 79.990    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

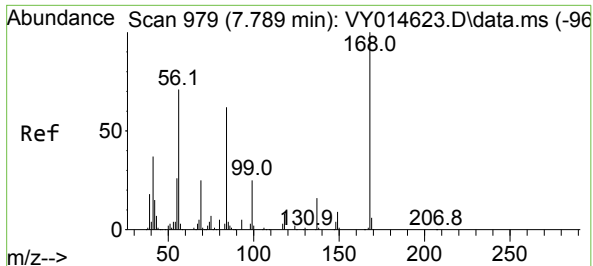
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-02-(5-7)

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Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

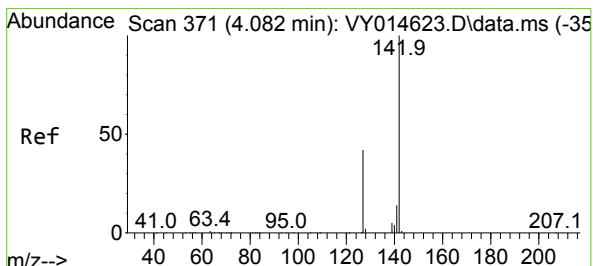
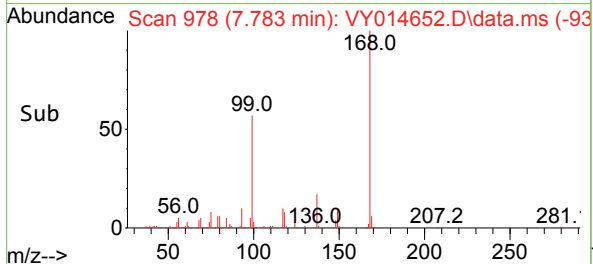
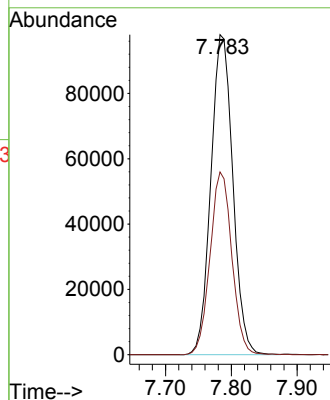
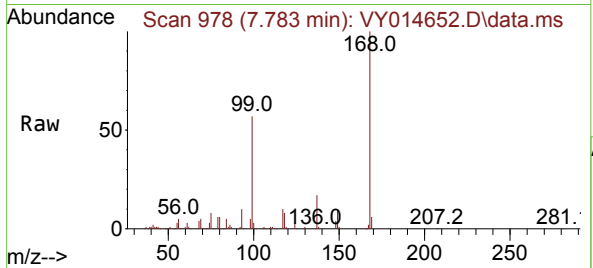




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

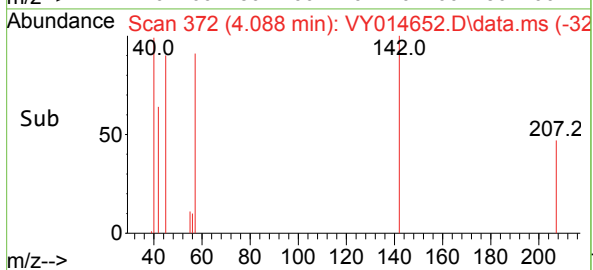
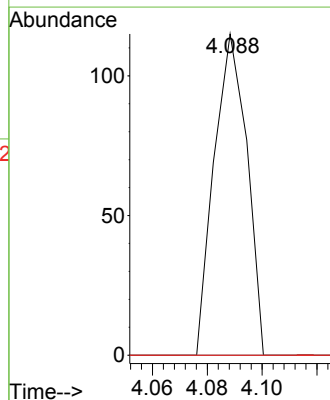
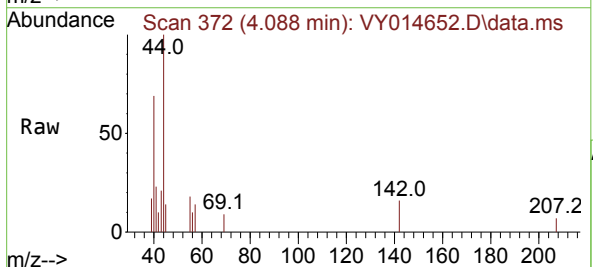
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-(5-7)

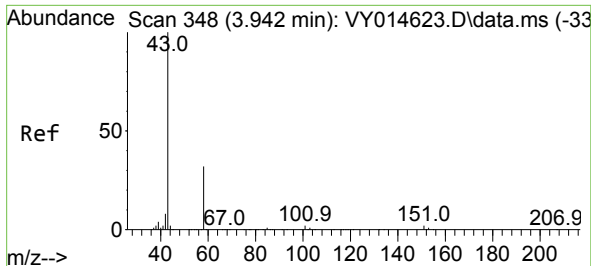
Tgt Ion:168 Resp: 227300  
Ion Ratio Lower Upper  
168 100  
99 57.1 43.4 65.0



#10  
Methyl Iodide  
Concen: 2.405 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.006 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

Tgt Ion:142 Resp: 95  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#

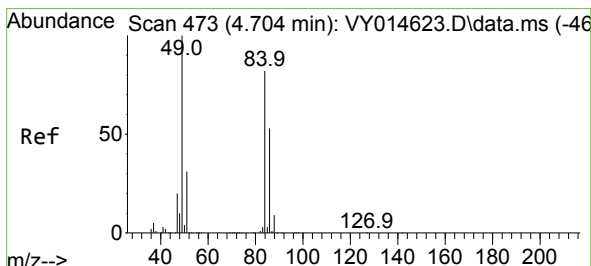
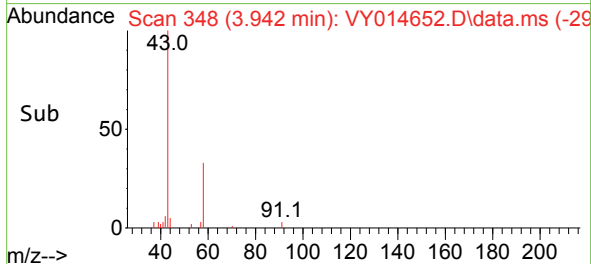
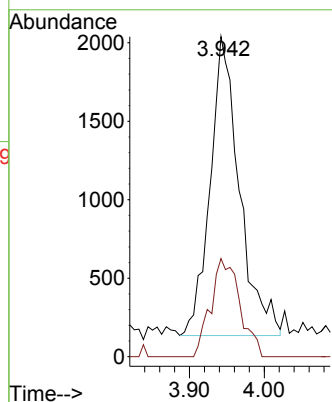
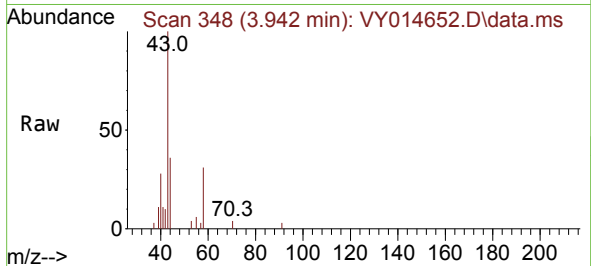




#16  
Acetone  
Concen: 6.319 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

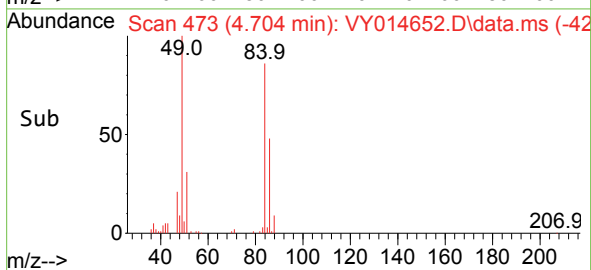
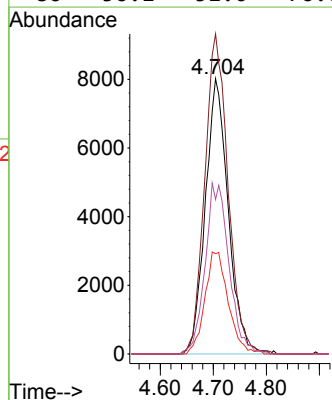
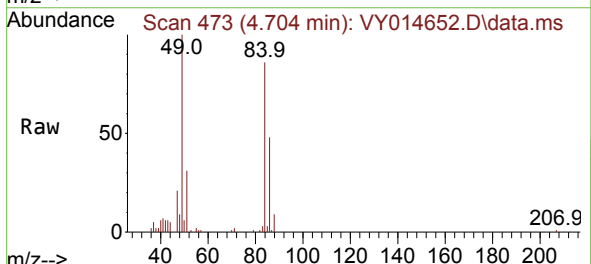
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-(5-7)

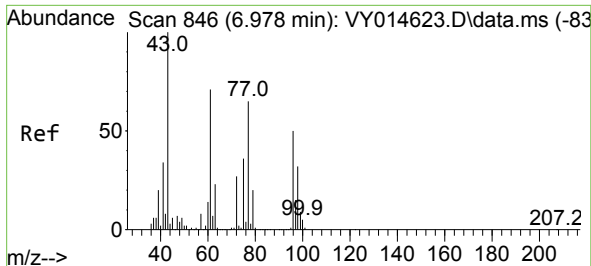
Tgt Ion: 43 Resp: 5187  
Ion Ratio Lower Upper  
43 100  
58 32.8 22.7 34.1



#20  
Methylene Chloride  
Concen: 5.252 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

Tgt Ion: 84 Resp: 24081  
Ion Ratio Lower Upper  
84 100  
49 116.3 106.9 160.3  
51 36.4 33.2 49.8  
86 56.1 51.0 76.6

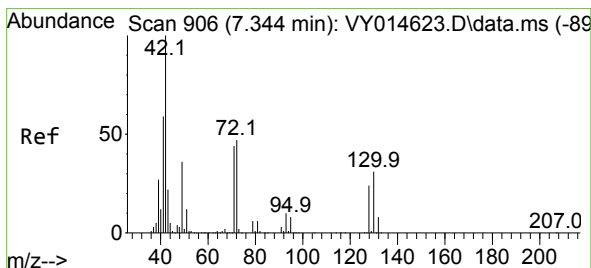
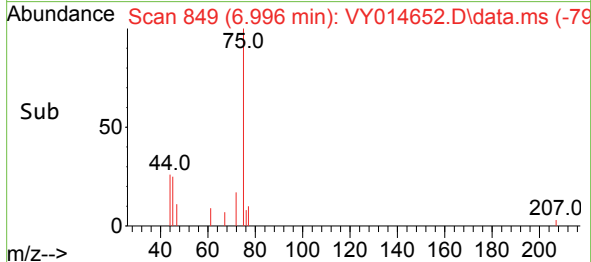
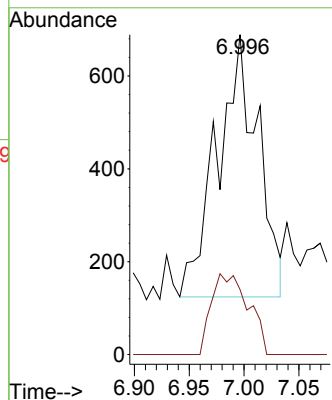
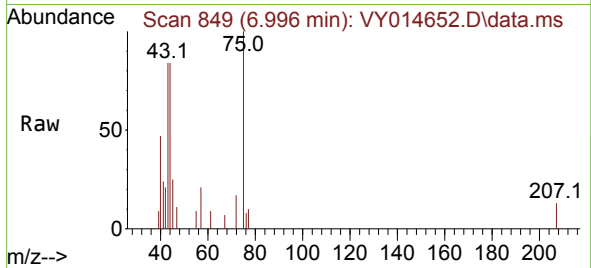




#25  
2-Butanone  
Concen: 1.218 ug/l  
RT: 6.996 min Scan# 846  
Delta R.T. 0.018 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

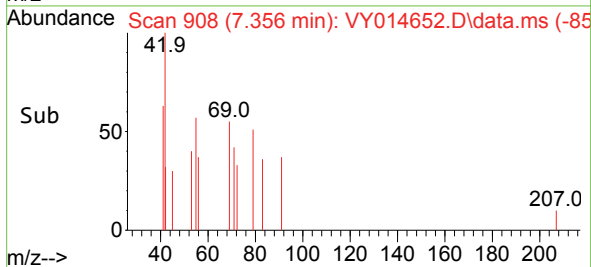
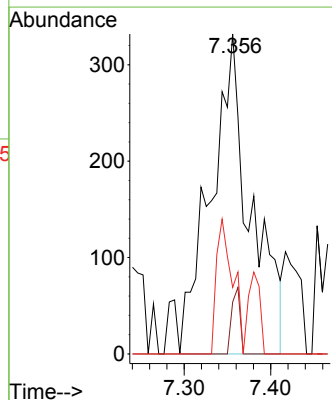
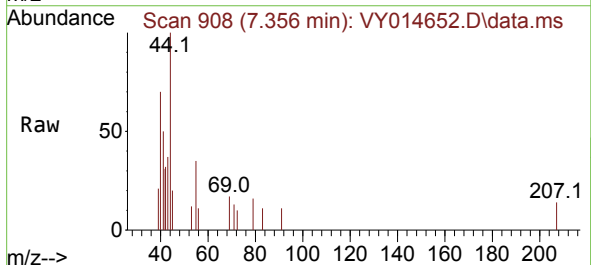
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-(5-7)

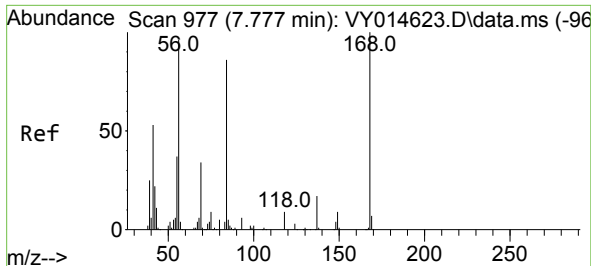
Tgt Ion: 43 Resp: 1463  
Ion Ratio Lower Upper  
43 100  
72 24.8 20.5 30.7



#29  
Tetrahydrofuran  
Concen: 1.434 ug/l  
RT: 7.356 min Scan# 908  
Delta R.T. 0.012 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

Tgt Ion: 42 Resp: 1060  
Ion Ratio Lower Upper  
42 100  
72 4.2 32.8 49.2#  
71 17.2 31.0 46.4#

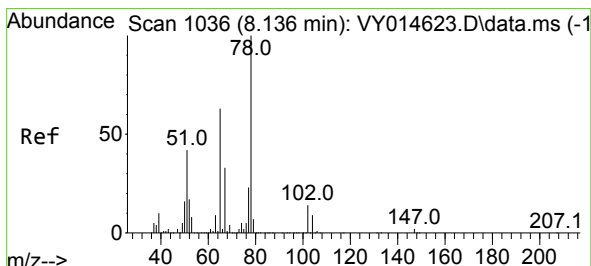
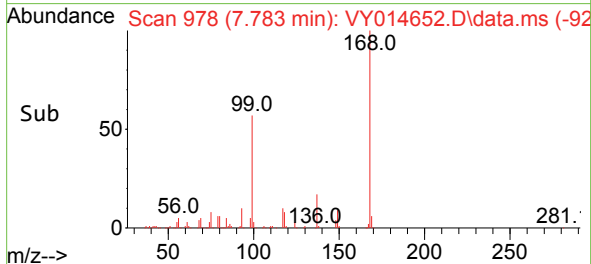
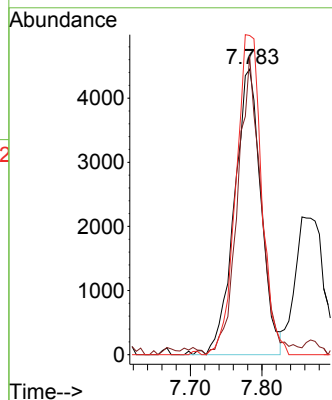
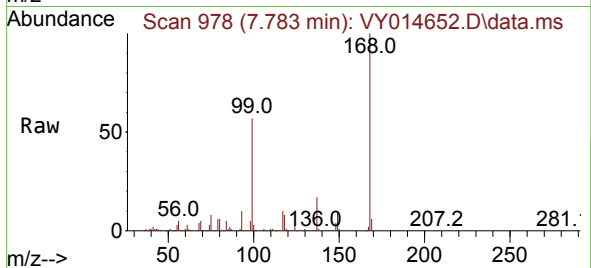




#31  
Cyclohexane  
Concen: 2.691 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

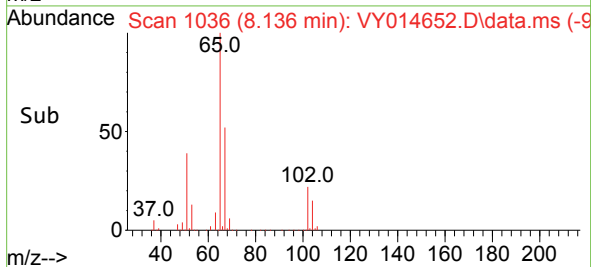
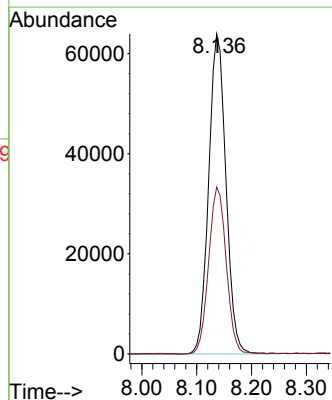
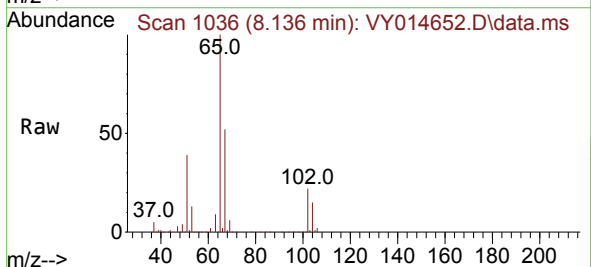
Instrument :  
MSVOA\_Y  
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SB-02-(5-7)

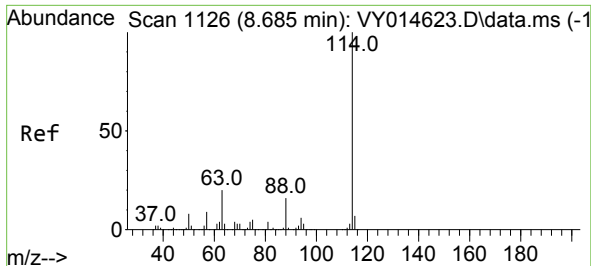
Tgt Ion: 56 Resp: 11570  
Ion Ratio Lower Upper  
56 100  
69 103.2 27.8 41.6#  
84 111.8 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 53.892 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

Tgt Ion: 65 Resp: 139589  
Ion Ratio Lower Upper  
65 100  
67 53.1 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: VY014652.D

Acq: 14 Jul 2023 17:03

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-(5-7)

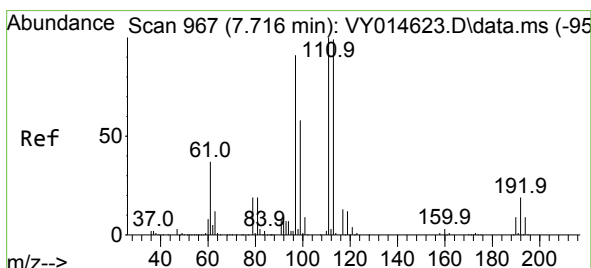
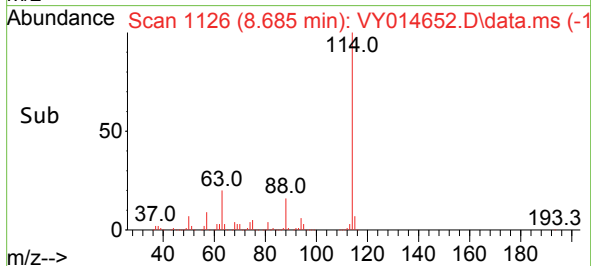
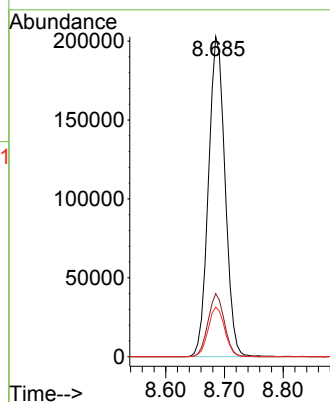
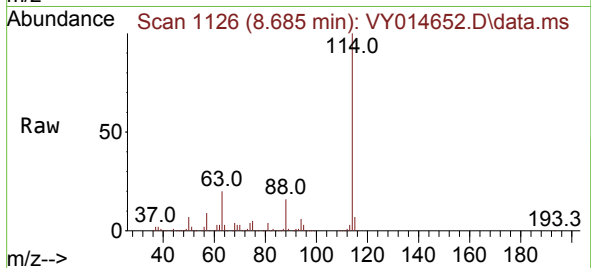
Tgt Ion:114 Resp: 398345

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.854 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014652.D

Acq: 14 Jul 2023 17:03

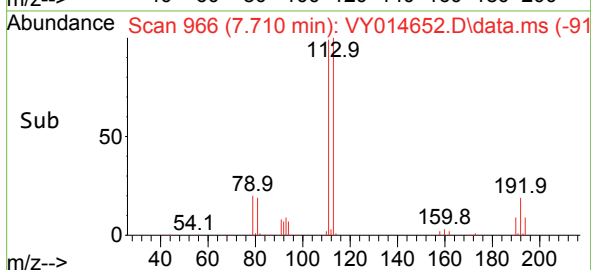
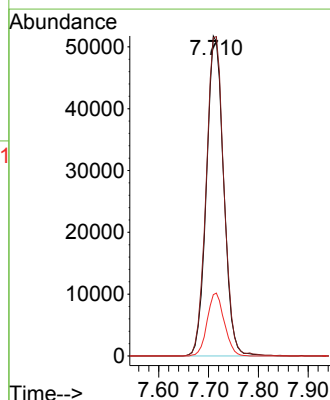
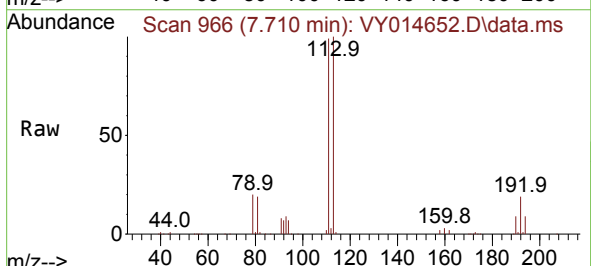
Tgt Ion:113 Resp: 123882

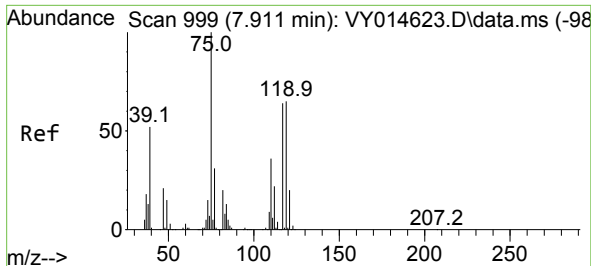
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.583 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014652.D

Acq: 14 Jul 2023 17:03

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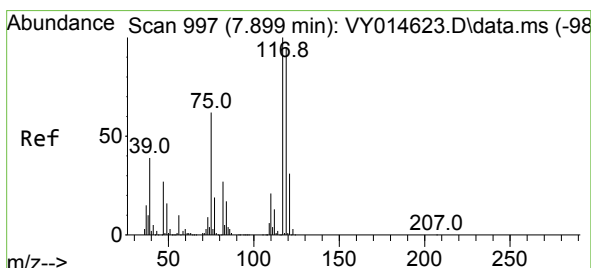
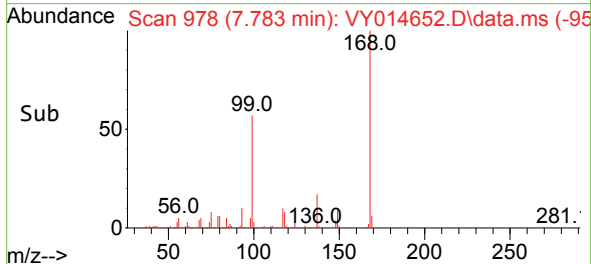
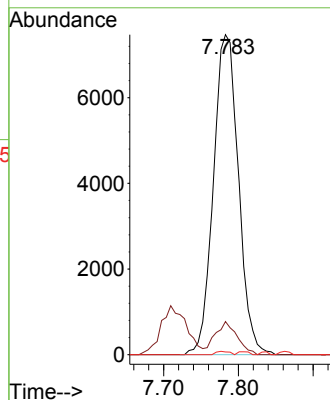
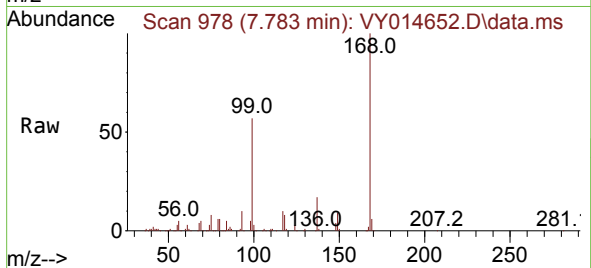
Tgt Ion: 75 Resp: 17379

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.6 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.678 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014652.D

Acq: 14 Jul 2023 17:03

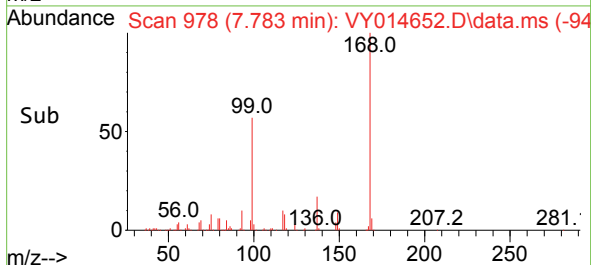
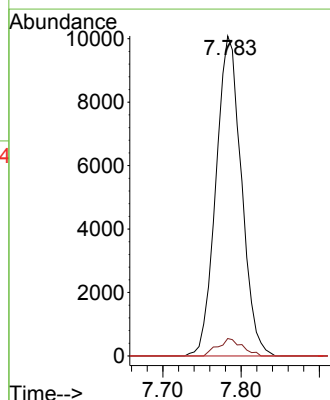
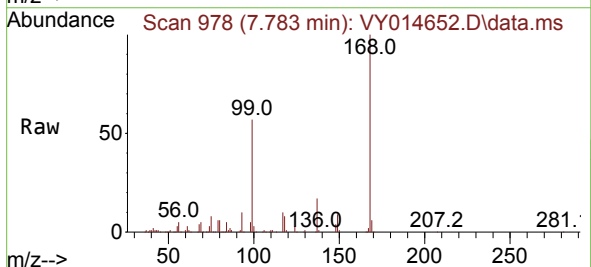
Tgt Ion: 117 Resp: 22763

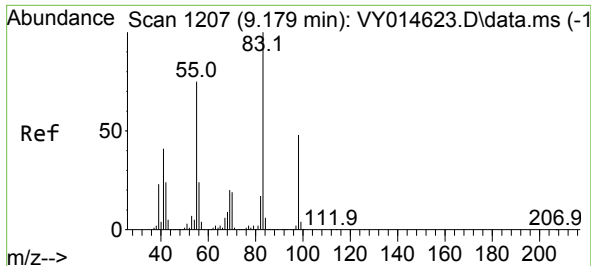
Ion Ratio Lower Upper

117 100

119 5.4 76.4 114.6#

121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 2.943 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014652.D

Acq: 14 Jul 2023 17:03

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-(5-7)

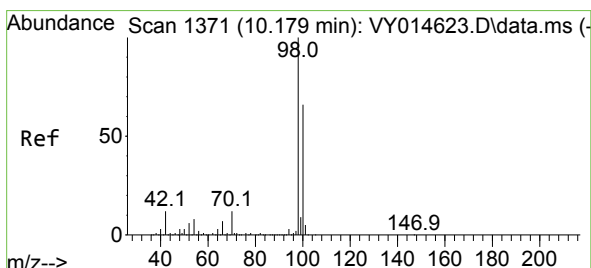
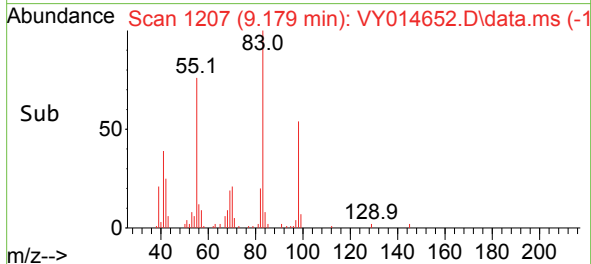
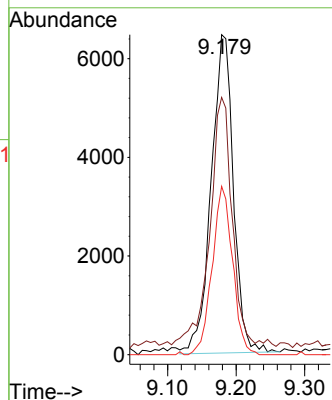
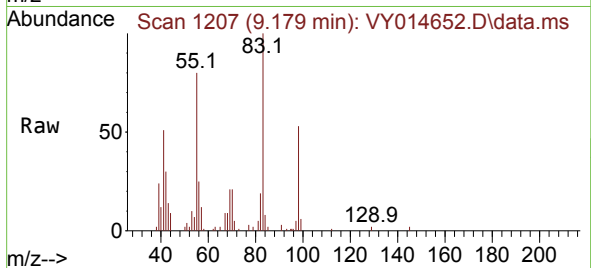
Tgt Ion: 83 Resp: 14540

Ion Ratio Lower Upper

83 100

55 77.4 63.0 94.4

98 53.1 37.4 56.2



#50

Toluene-d8

Concen: 50.228 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014652.D

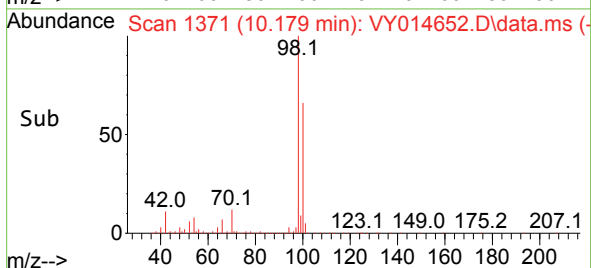
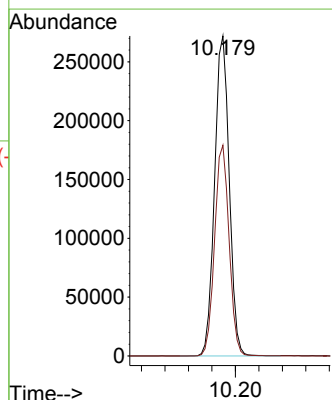
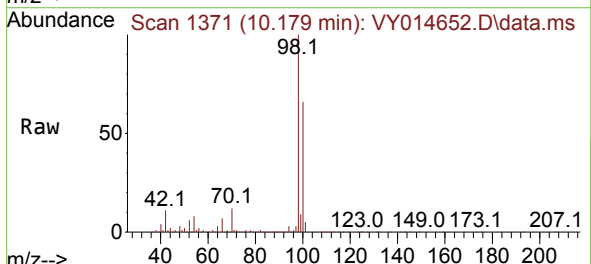
Acq: 14 Jul 2023 17:03

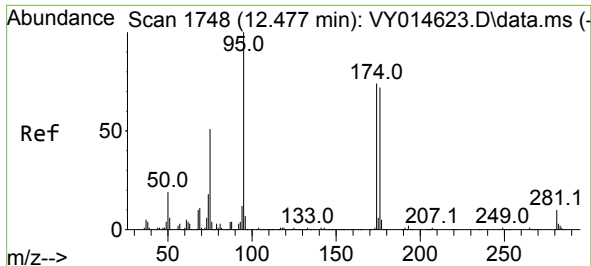
Tgt Ion: 98 Resp: 469569

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

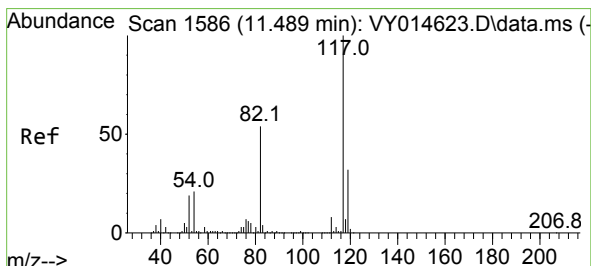
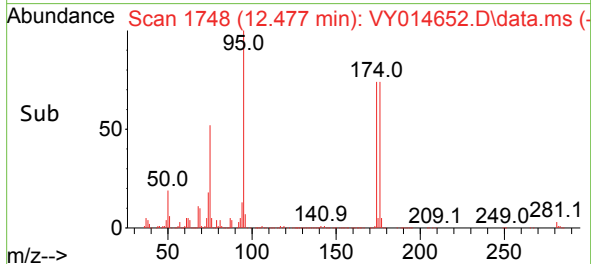
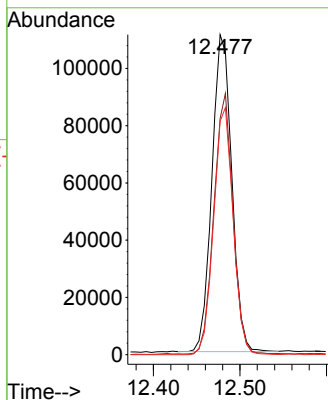
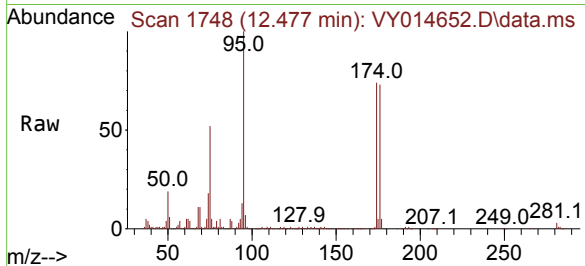




#62  
4-Bromofluorobenzene  
Concen: 49.225 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

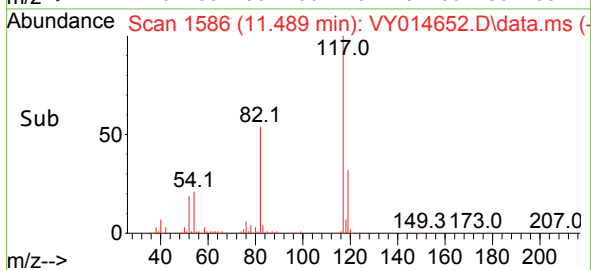
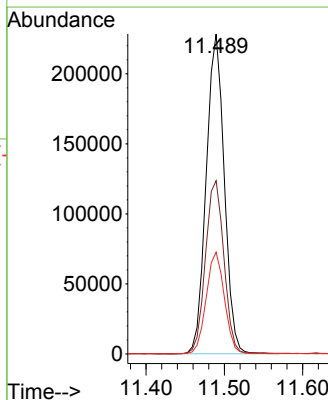
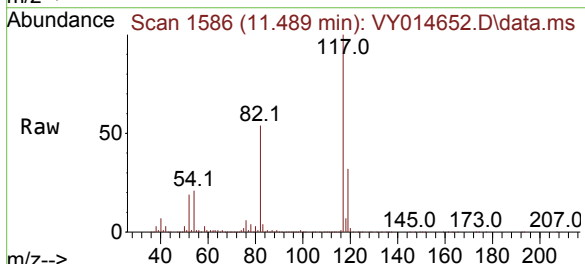
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-(5-7)

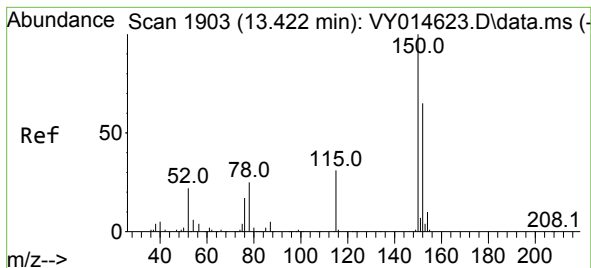
Tgt Ion: 95 Resp: 176456  
Ion Ratio Lower Upper  
95 100  
174 79.0 0.0 178.2  
176 76.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY014652.D  
Acq: 14 Jul 2023 17:03

Tgt Ion: 117 Resp: 365633  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.4 65.0  
119 31.7 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: VY014652.D

Acq: 14 Jul 2023 17:03

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-(5-7)

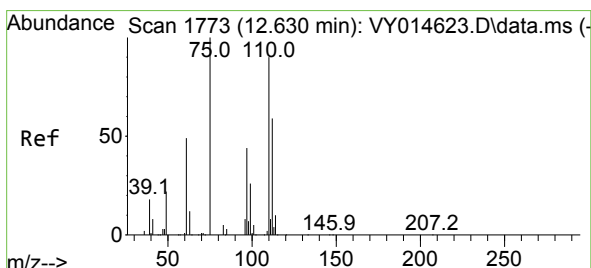
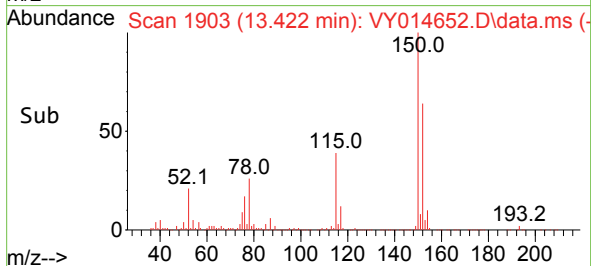
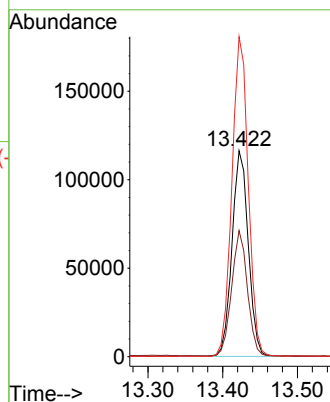
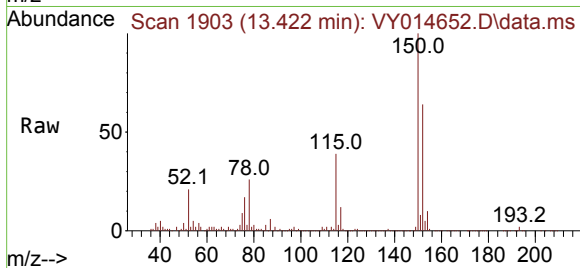
Tgt Ion:152 Resp: 176177

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.313 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014652.D

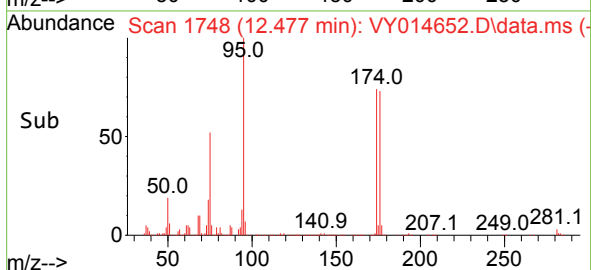
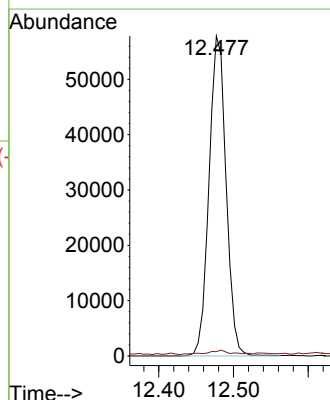
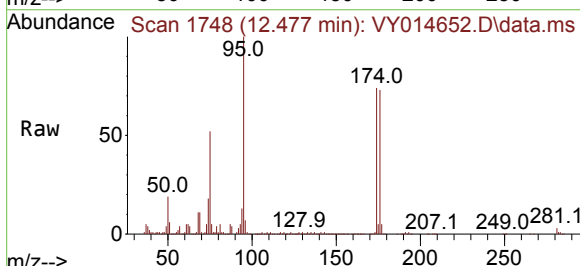
Acq: 14 Jul 2023 17:03

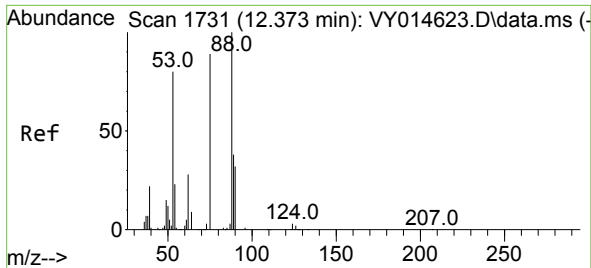
Tgt Ion: 75 Resp: 91925

Ion Ratio Lower Upper

75 100

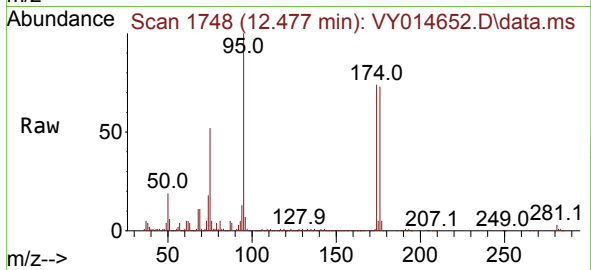
77 1.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 79.990 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY014652.D  
 Acq: 14 Jul 2023 17:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-02-(5-7)



Tgt Ion: 75 Resp: 91925  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 77.8 116.8#  
 89 0.2 37.4 56.0#

