

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071423\  
 Data File : VY014659.D  
 Acq On : 14 Jul 2023 19:50  
 Operator : SY/MD  
 Sample : 03632-06  
 Misc : 7.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-09-(3-5)

Quant Time: Jul 14 23:16:50 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  | 257792   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 444696   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 371107   | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 190941   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 135727   | 46.203   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 92.400%   |
| 35) Dibromofluoromethane    | 7.716  | 113   | 136484   | 48.213   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.420%   |
| 50) Toluene-d8              | 10.185 | 98    | 1041187  | 99.762   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 199.520%# |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 413211   | 103.256  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 206.520%# |

|                               |        |     |         |           |        |    |
|-------------------------------|--------|-----|---------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue  |           |        |    |
| 10) Methyl Iodide             | 4.095  | 142 | 549     | 2.551     | ug/l # | 81 |
| 11) Tert butyl alcohol        | 4.960  | 59  | 2756    | Below Cal | #      | 89 |
| 13) Acrolein                  | 3.936  | 56  | 20295   | 66.099    | ug/l # | 69 |
| 14) Allyl chloride            | 4.698  | 41  | 2092297 | 464.190   | ug/l # | 61 |
| 15) Acrylonitrile             | 5.235  | 53  | 150231  | 165.232   | ug/l # | 40 |
| 16) Acetone                   | 3.942  | 43  | 79815   | 85.739    | ug/l # | 80 |
| 17) Carbon Disulfide          | 4.192  | 76  | 16026   | 2.205     | ug/l   | 96 |
| 18) Methyl Acetate            | 4.698  | 43  | 5243362 | 1467.755  | ug/l # | 54 |
| 20) Methylene Chloride        | 4.710  | 84  | 25221   | 4.497     | ug/l # | 1  |
| 23) Vinyl Acetate             | 6.094  | 43  | 26868   | 4.899     | ug/l # | 79 |
| 25) 2-Butanone                | 6.978  | 43  | 409703  | 300.831   | ug/l # | 51 |
| 29) Tetrahydrofuran           | 7.350  | 42  | 9697    | 11.563    | ug/l # | 35 |
| 30) Chloroform                | 7.466  | 83  | 455772  | 84.292    | ug/l # | 20 |
| 31) Cyclohexane               | 7.771  | 56  | 3053182 | 626.100   | ug/l # | 50 |
| 36) 1,1-Dichloropropene       | 7.893  | 75  | 7032    | 1.661     | ug/l # | 1  |
| 37) Ethyl Acetate             | 6.978  | 43  | 409703  | 140.565   | ug/l # | 74 |
| 38) Carbon Tetrachloride      | 7.795  | 117 | 26491   | 5.920     | ug/l # | 16 |
| 39) Methylcyclohexane         | 9.185  | 83  | 5021292 | 910.424   | ug/l # | 78 |
| 41) Methacrylonitrile         | 7.350  | 41  | 110595  | 73.770    | ug/l # | 44 |
| 42) 1,2-Dichloroethane        | 8.283  | 62  | 10350   | 2.715     | ug/l # | 1  |
| 43) Isopropyl Acetate         | 8.319  | 43  | 6225989 | 1121.349  | ug/l # | 55 |
| 45) 1,2-Dichloropropane       | 9.191  | 63  | 111537  | 35.477    | ug/l # | 1  |
| 46) Dibromomethane            | 9.325  | 93  | 2747    | 1.440     | ug/l # | 1  |
| 47) Bromodichloromethane      | 9.490  | 83  | 964841  | 214.636   | ug/l # | 27 |
| 48) Methyl methacrylate       | 9.331  | 41  | 3707781 | 1484.095  | ug/l # | 29 |
| 49) 1,4-Dioxane               | 9.252  | 88  | 464     | 14.920    | ug/l # | 1  |
| 51) 4-Methyl-2-Pentanone      | 10.124 | 43  | 4165330 | 1428.847  | ug/l   | 91 |
| 52) Toluene                   | 10.246 | 92  | 14892   | 1.933     | ug/l # | 31 |
| 55) 1,1,2-Trichloroethane     | 10.624 | 97  | 3075412 | 1157.580  | ug/l # | 28 |
| 56) Ethyl methacrylate        | 10.526 | 69  | 484988  | 119.560   | ug/l # | 33 |
| 58) 2-Chloroethyl Vinyl ether | 9.734  | 63  | 113794  | 60.206    | ug/l # | 48 |
| 59) 2-Hexanone                | 10.807 | 43  | 2425533 | 1140.944  | ug/l # | 33 |
| 61) 1,2-Dibromoethane         | 11.063 | 107 | 22192   | 8.373     | ug/l # | 1  |
| 65) Chlorobenzene             | 11.630 | 112 | 47600   | 6.019     | ug/l # | 43 |
| 67) Ethyl Benzene             | 11.593 | 91  | 2070765 | 145.029   | ug/l   | 99 |
| 68) m/p-Xylenes               | 11.703 | 106 | 239466  | 43.936    | ug/l   | 91 |

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 ALS Vial : 24 Sample Multiplier: 1

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

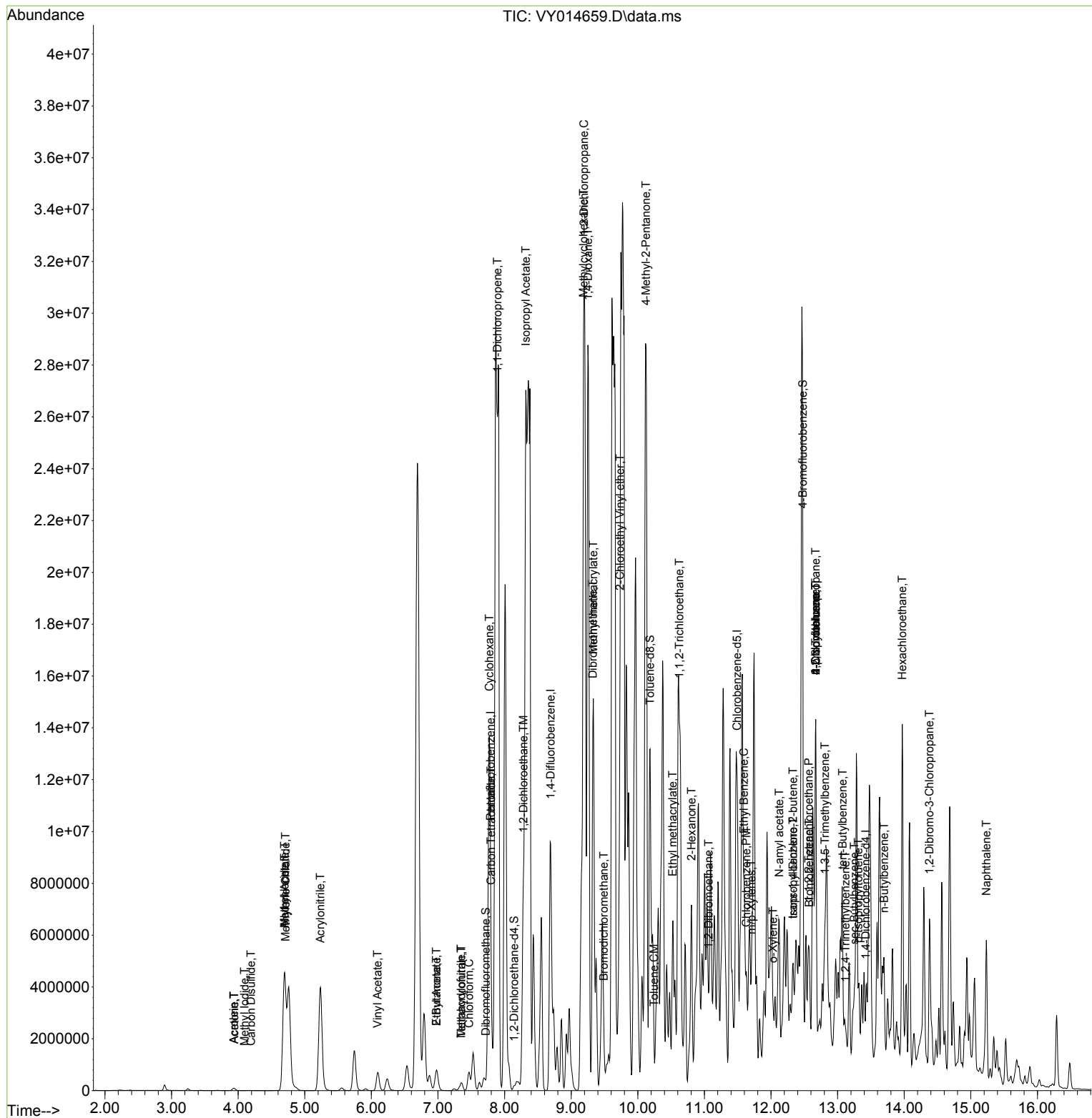
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 69) o-Xylene                  | 12.032 | 106  | 16837    | 3.172   | ug/l # | 19       |
| 73) Isopropylbenzene          | 12.331 | 105  | 1641338  | 109.783 | ug/l   | 100      |
| 74) N-amyl acetate            | 12.124 | 43   | 1203516  | 240.353 | ug/l # | 64       |
| 75) 1,1,2,2-Tetrachloroethane | 12.569 | 83   | 57001    | 16.719  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.672 | 75   | 52811    | 21.899  | ug/l # | 100      |
| 77) Bromobenzene              | 12.575 | 156  | 6321     | 1.852   | ug/l # | 1        |
| 78) n-propylbenzene           | 12.672 | 91   | 8104816  | 449.872 | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.672 | 91   | 8104816  | 781.051 | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 118285   | 9.473   | ug/l   | 87       |
| 81) trans-1,4-Dichloro-2-b... | 12.331 | 75   | 20262    | 16.268  | ug/l # | 2        |
| 82) 4-Chlorotoluene           | 12.672 | 91   | 8104816  | 758.378 | ug/l # | 40       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 17941    | 1.620   | ug/l # | 20       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 367864   | 30.021  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 766279   | 47.162  | ug/l # | 49       |
| 86) p-Isopropyltoluene        | 13.312 | 119  | 421621   | 31.783  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.696 | 91   | 2128852  | 164.947 | ug/l # | 81       |
| 90) Hexachloroethane          | 13.971 | 117  | 586463   | 215.233 | ug/l # | 8        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.379 | 75   | 8525     | 13.075  | ug/l # | 8        |
| 95) Naphthalene               | 15.233 | 128  | 3960512  | 440.062 | ug/l   | 98       |
| -----                         |        |      |          |         |        |          |

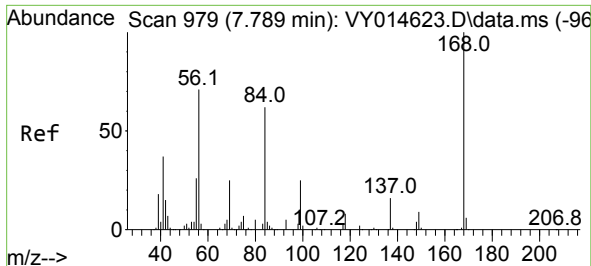
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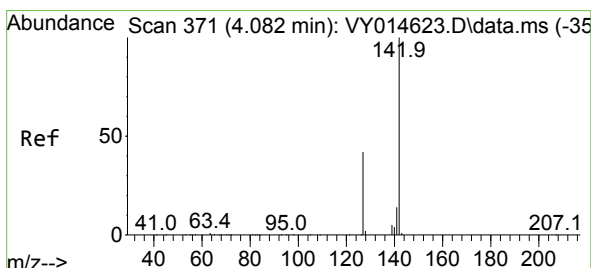
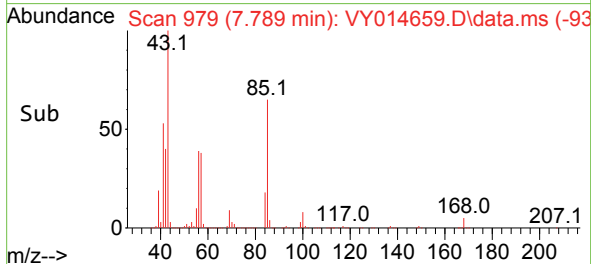
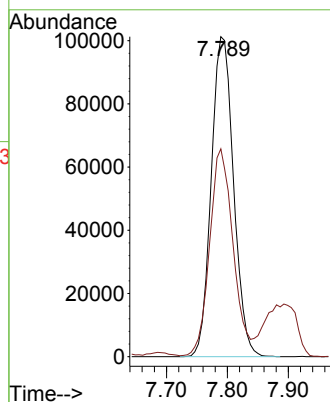
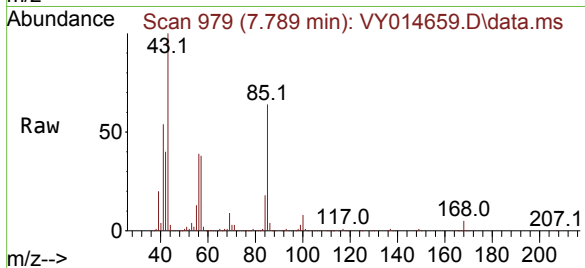




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

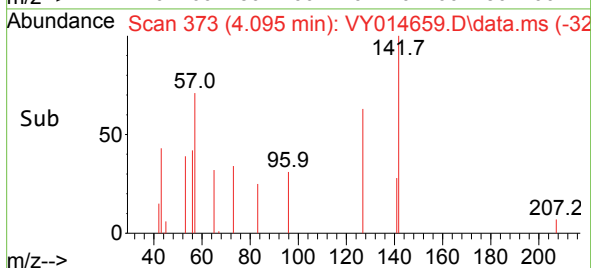
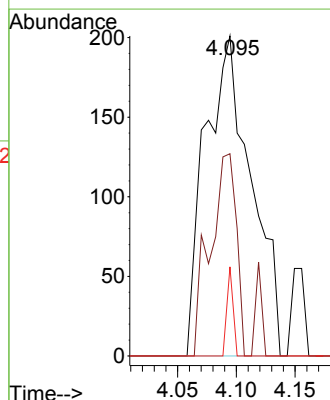
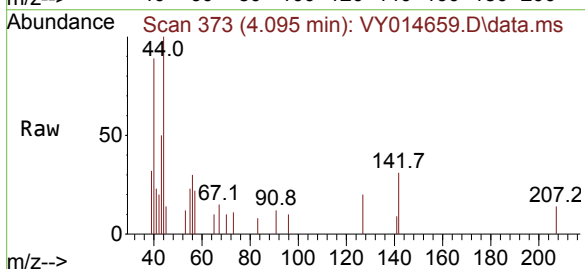
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

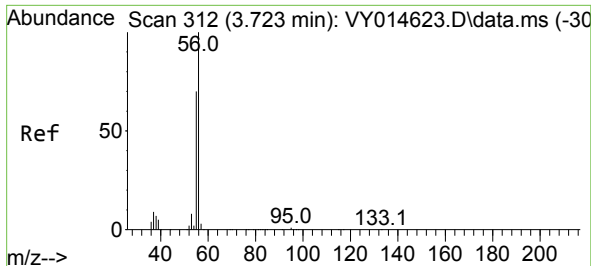
Tgt Ion:168 Resp: 257792  
Ion Ratio Lower Upper  
168 100  
99 64.6 43.4 65.0



#10  
Methyl Iodide  
Concen: 2.551 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.013 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion:142 Resp: 549  
Ion Ratio Lower Upper  
142 100  
127 36.1 37.6 56.4#  
141 3.6 11.8 17.8#





#13

Acrolein

Concen: 66.099 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.213 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

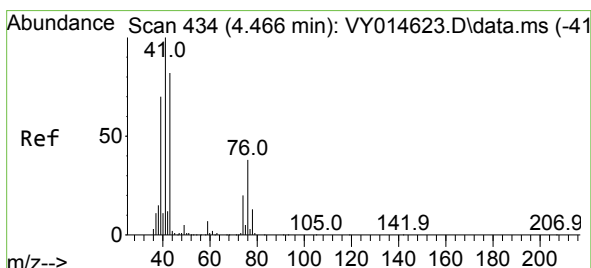
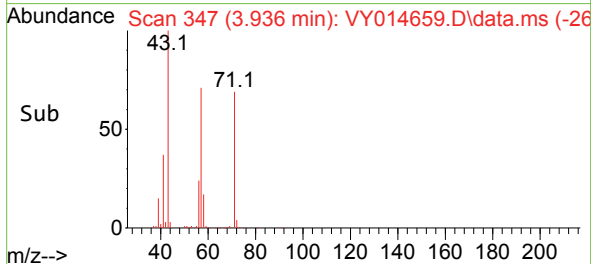
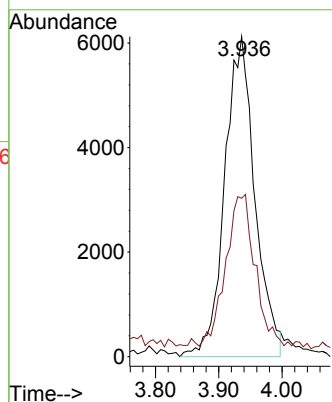
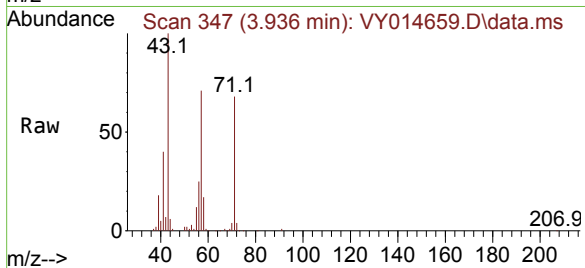
SB-09-(3-5)

Tgt Ion: 56 Resp: 20295

Ion Ratio Lower Upper

56 100

55 45.7 57.0 85.4#



#14

Allyl chloride

Concen: 464.190 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.232 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

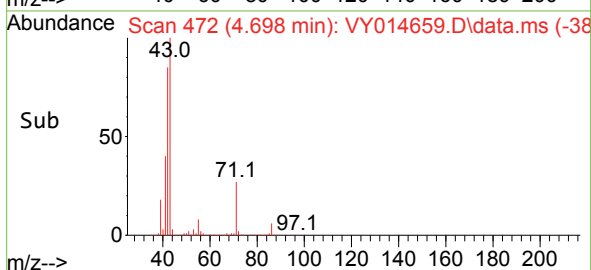
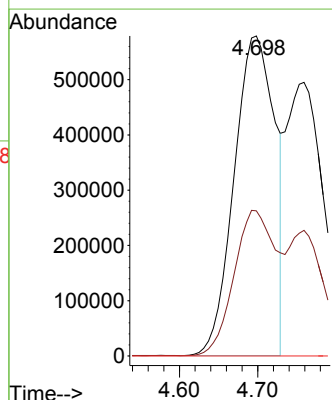
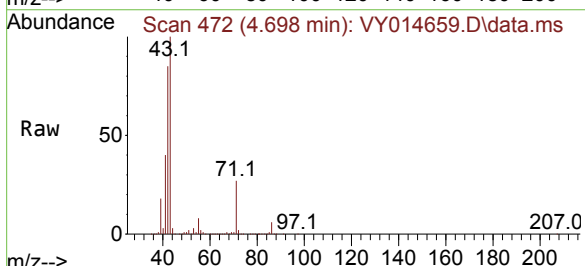
Tgt Ion: 41 Resp: 2092297

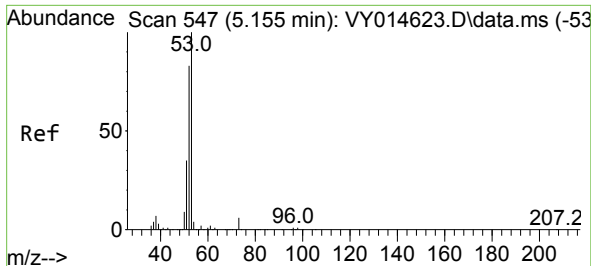
Ion Ratio Lower Upper

41 100

39 48.6 58.0 87.0#

76 0.0 27.4 41.2#

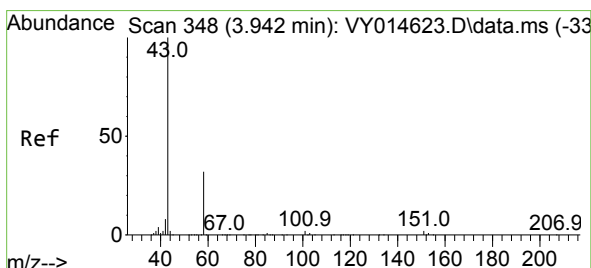
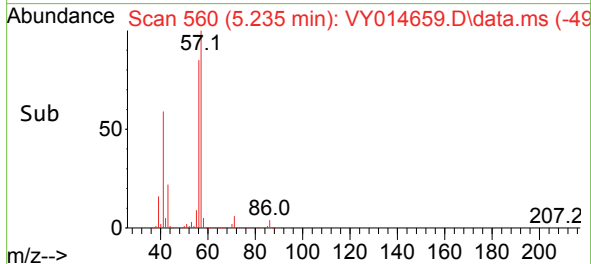
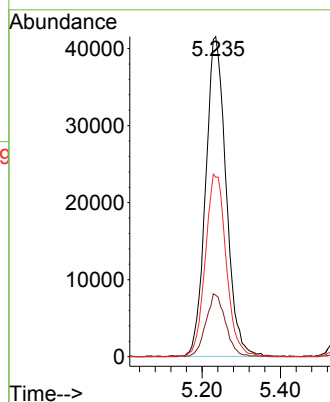
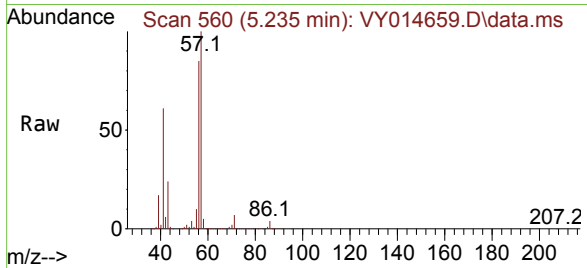




#15  
Acrylonitrile  
Concen: 165.232 ug/l  
RT: 5.235 min Scan# 51  
Delta R.T. 0.080 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

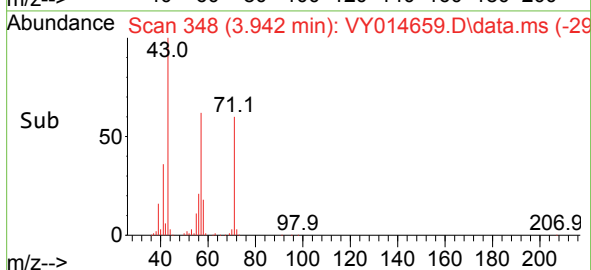
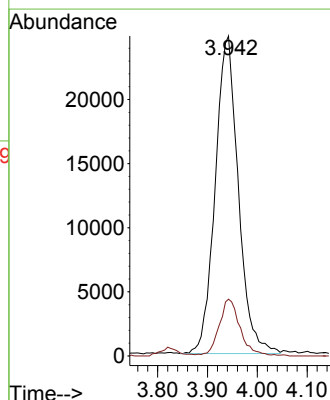
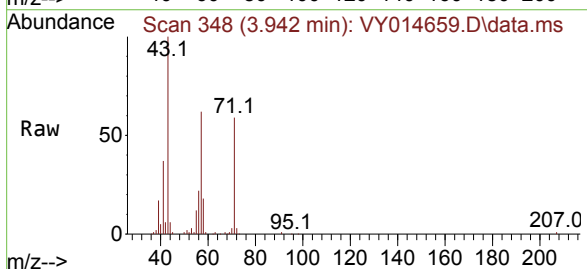
Instrument :  
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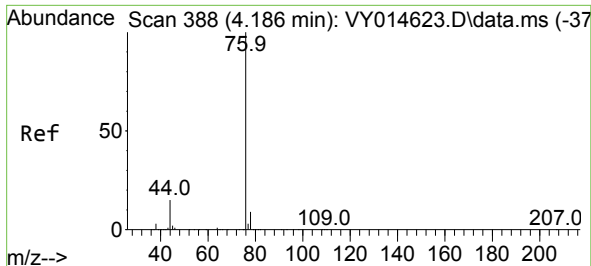
Tgt Ion: 53 Resp: 150231  
Ion Ratio Lower Upper  
53 100  
52 18.9 66.9 100.3#  
51 58.5 29.8 44.6#



#16  
Acetone  
Concen: 85.739 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 43 Resp: 79815  
Ion Ratio Lower Upper  
43 100  
58 17.6 22.7 34.1#

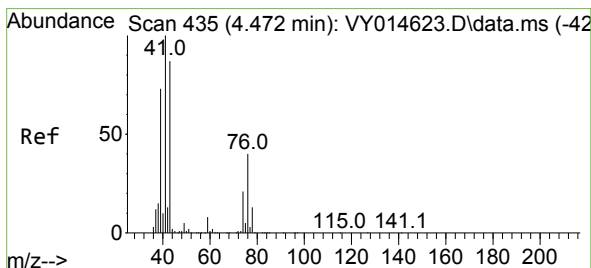
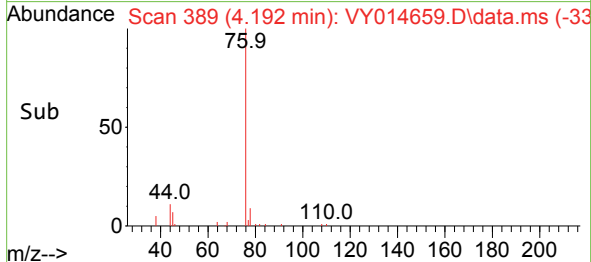
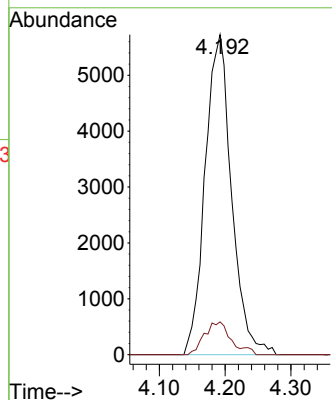
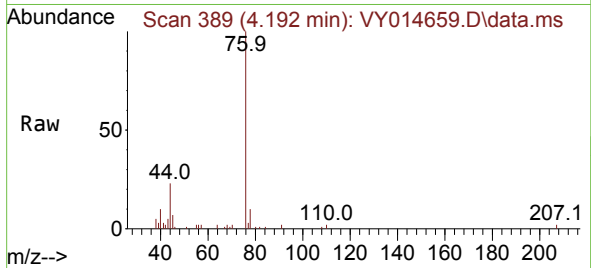




#17  
Carbon Disulfide  
Concen: 2.205 ug/l  
RT: 4.192 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

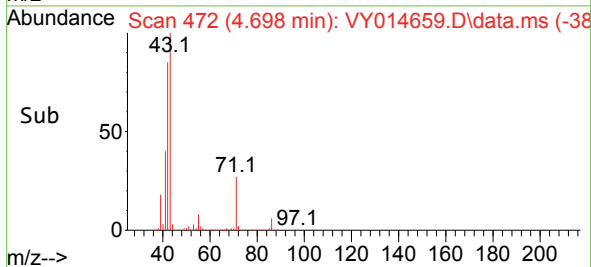
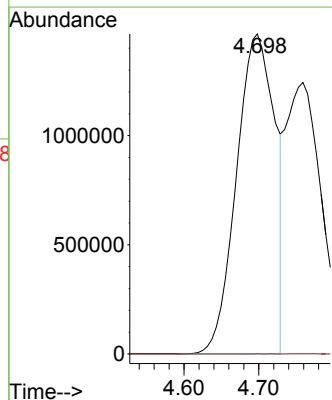
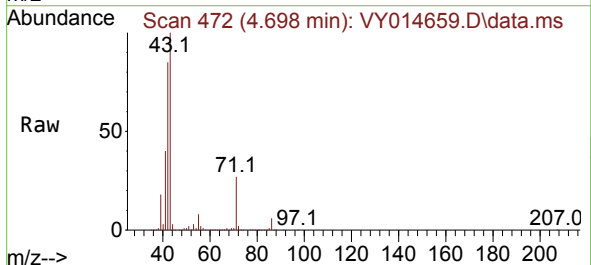
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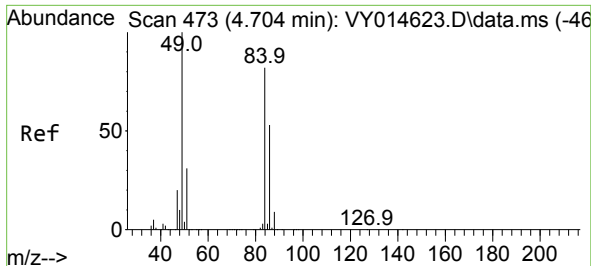
Tgt Ion: 76 Resp: 16026  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.0 10.4



#18  
Methyl Acetate  
Concen: 1467.755 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. 0.226 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 43 Resp: 5243362  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.0#

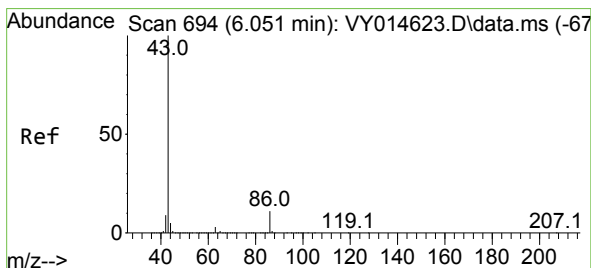
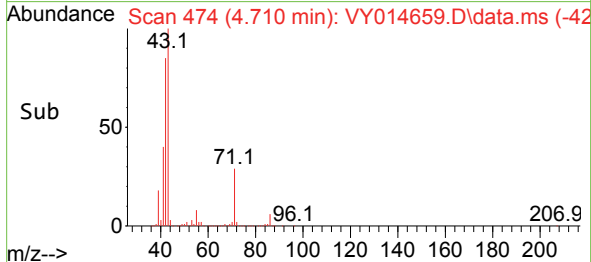
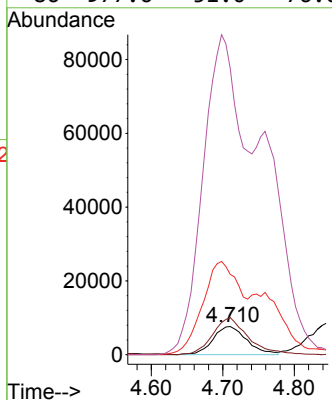
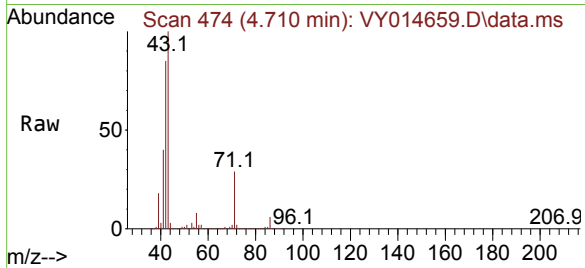




#20  
Methylene Chloride  
Concen: 4.497 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

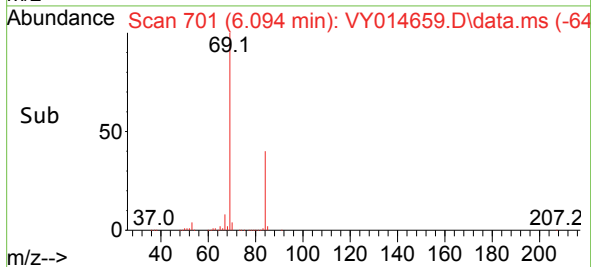
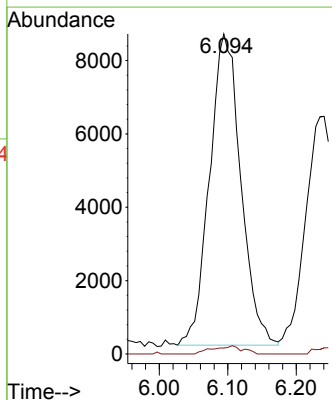
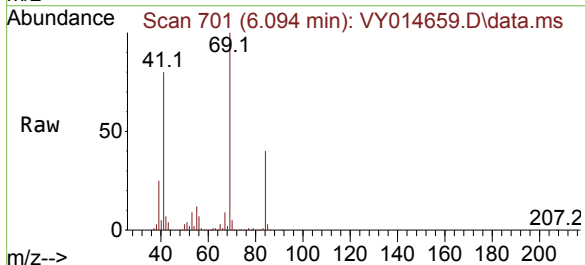
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SB-09-(3-5)

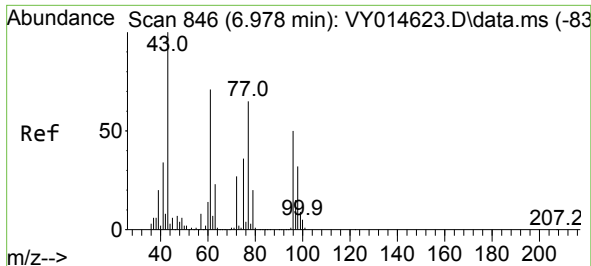
Tgt Ion: 84 Resp: 25221  
Ion Ratio Lower Upper  
84 100  
49 131.7 106.9 160.3  
51 272.2 33.2 49.8#  
86 977.6 51.0 76.6#



#23  
Vinyl Acetate  
Concen: 4.899 ug/l  
RT: 6.094 min Scan# 701  
Delta R.T. 0.043 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 43 Resp: 26868  
Ion Ratio Lower Upper  
43 100  
86 1.9 7.5 11.3#

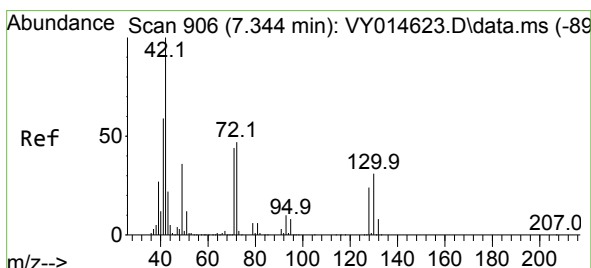
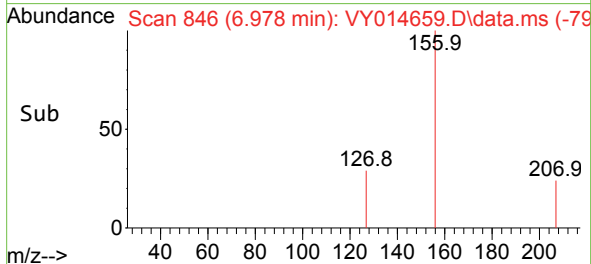
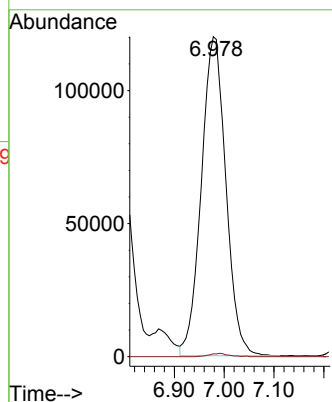
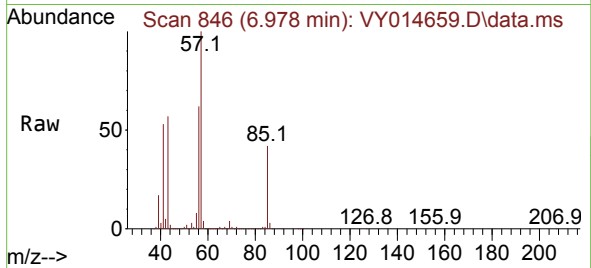




#25  
2-Butanone  
Concen: 300.831 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

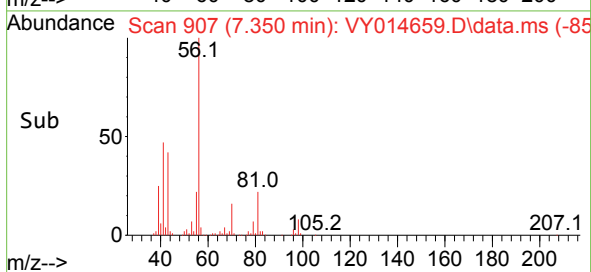
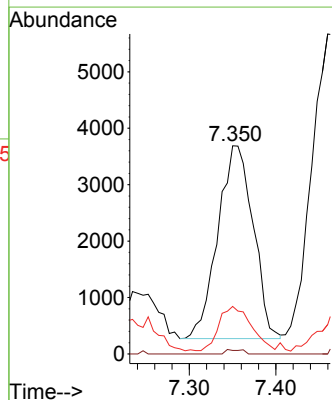
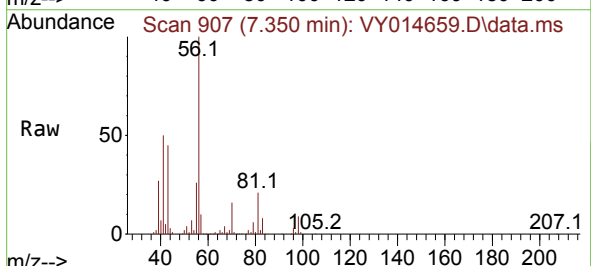
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

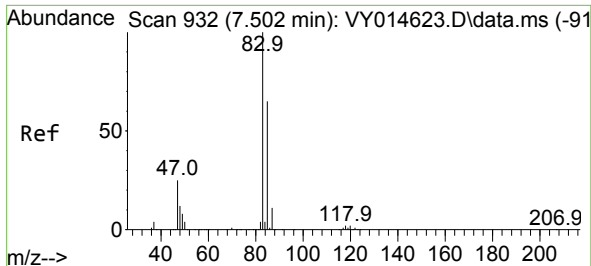
Tgt Ion: 43 Resp: 409703  
Ion Ratio Lower Upper  
43 100  
72 0.9 20.5 30.7#



#29  
Tetrahydrofuran  
Concen: 11.563 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 42 Resp: 9697  
Ion Ratio Lower Upper  
42 100  
72 0.0 32.8 49.2#  
71 0.0 31.0 46.4#

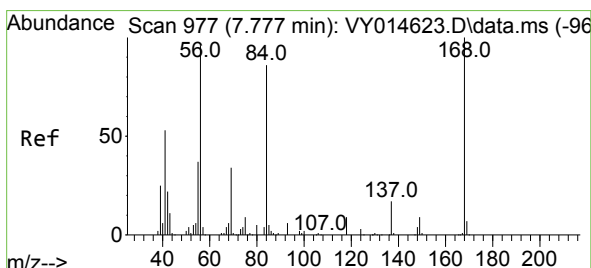
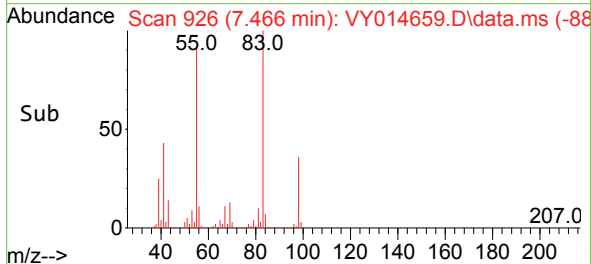
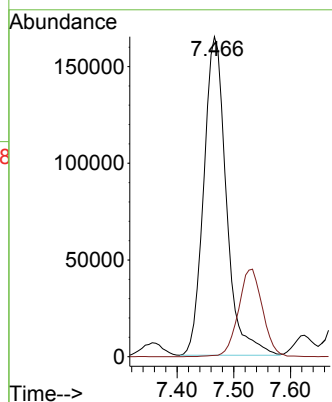
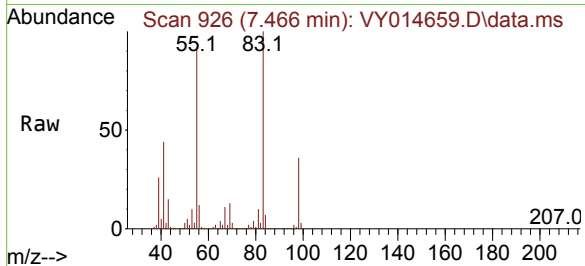




#30  
Chloroform  
Concen: 84.292 ug/l  
RT: 7.466 min Scan# 91  
Delta R.T. -0.036 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

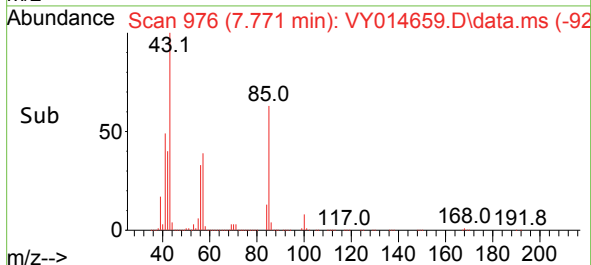
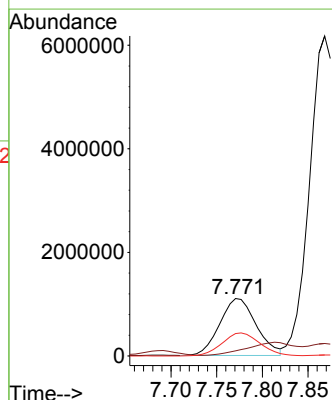
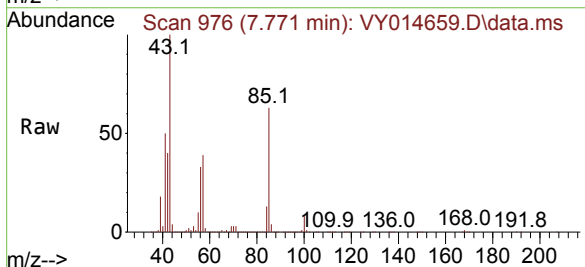
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

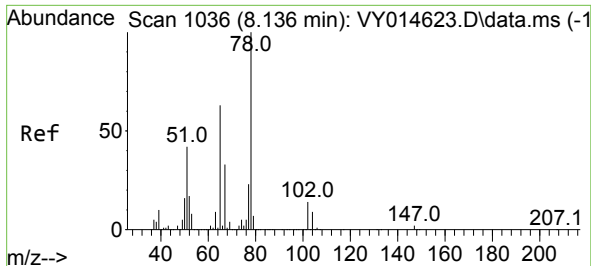
Tgt Ion: 83 Resp: 455772  
Ion Ratio Lower Upper  
83 100  
85 0.4 49.7 74.5#



#31  
Cyclohexane  
Concen: 626.100 ug/l  
RT: 7.771 min Scan# 976  
Delta R.T. -0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 56 Resp: 3053182  
Ion Ratio Lower Upper  
56 100  
69 4.4 27.8 41.6#  
84 39.2 66.4 99.6#

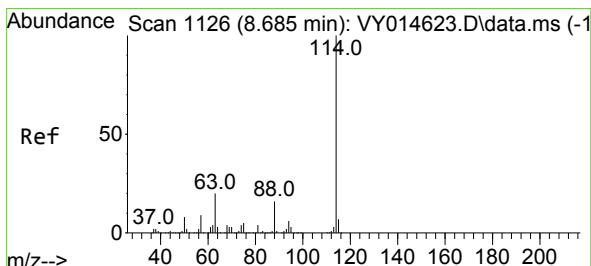
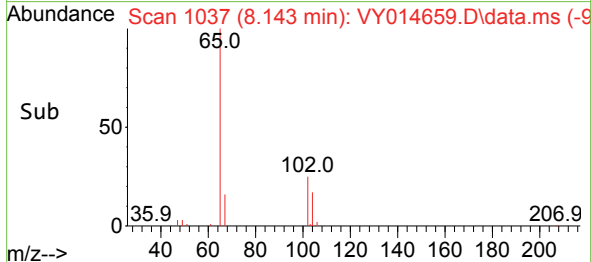
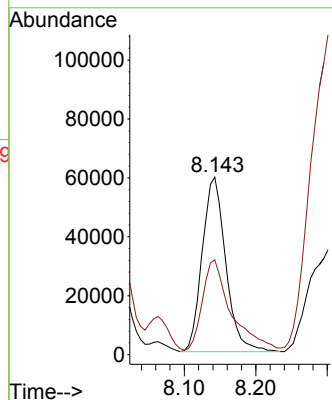
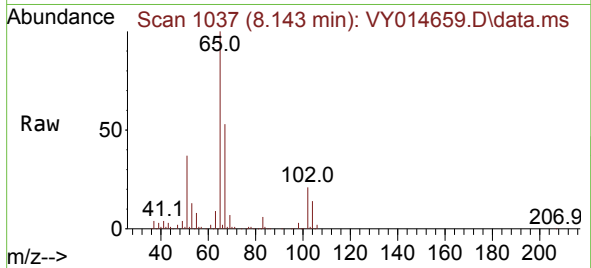




#33  
1,2-Dichloroethane-d4  
Concen: 46.203 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

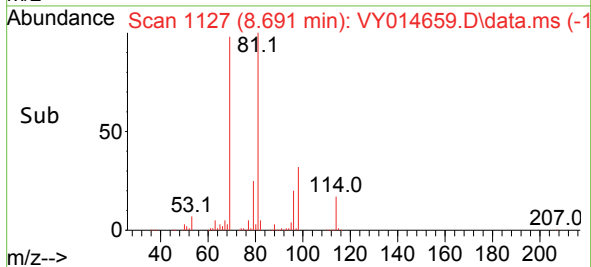
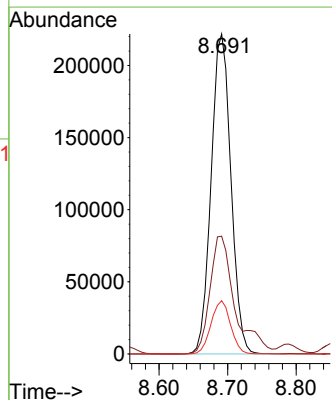
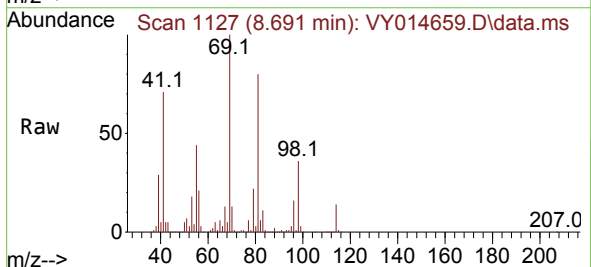
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

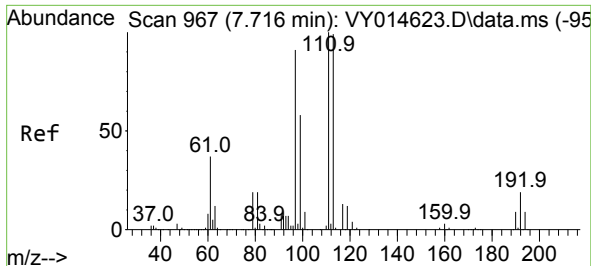
Tgt Ion: 65 Resp: 135727  
Ion Ratio Lower Upper  
65 100  
67 62.5 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion:114 Resp: 444696  
Ion Ratio Lower Upper  
114 100  
63 36.8 0.0 42.4  
88 16.7 0.0 30.6

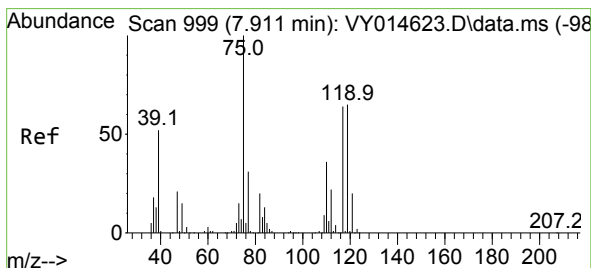
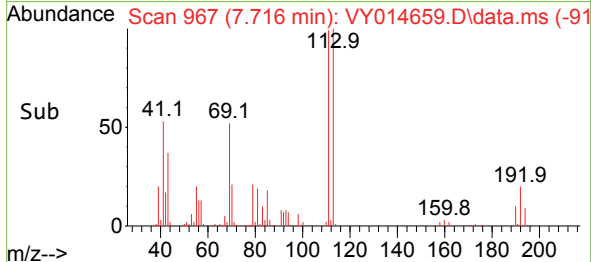
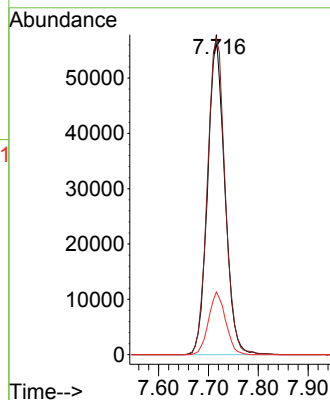
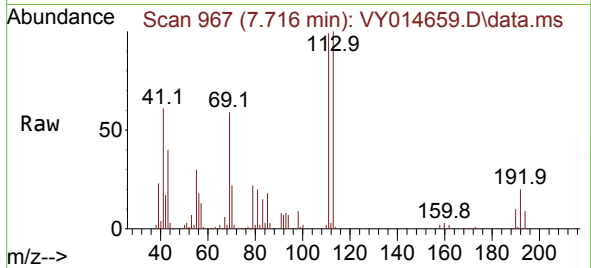




#35  
Dibromofluoromethane  
Concen: 48.213 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

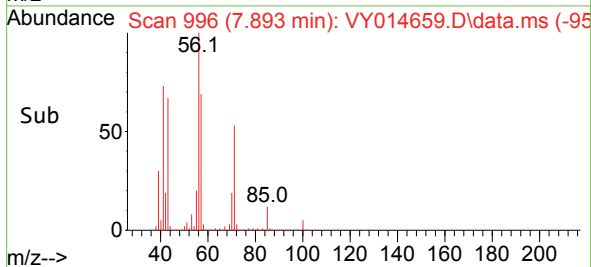
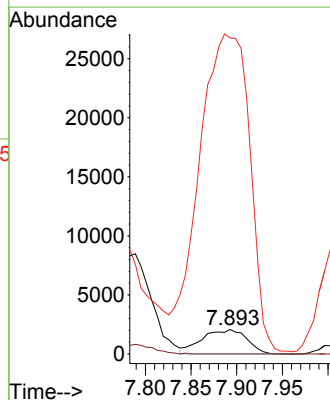
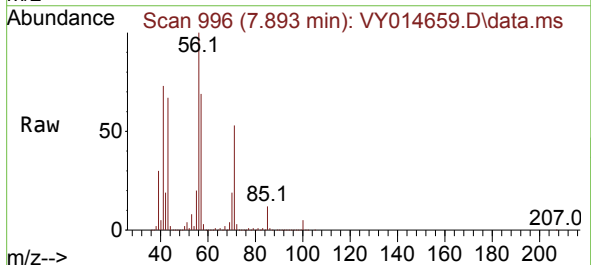
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

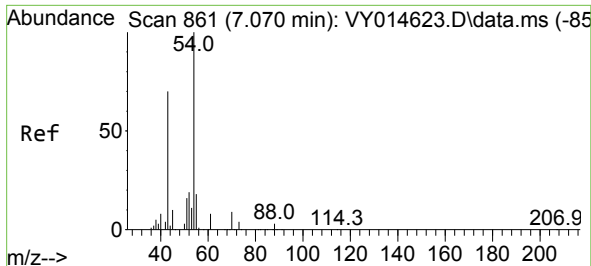
Tgt Ion:113 Resp: 136484  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.3 121.9  
192 19.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 1.661 ug/l  
RT: 7.893 min Scan# 996  
Delta R.T. -0.018 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 75 Resp: 7032  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.8 53.5#  
77 1470.3 24.4 36.6#





#37

Ethyl Acetate

Concen: 140.565 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

SB-09-(3-5)

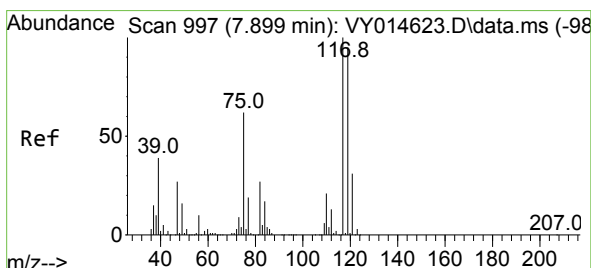
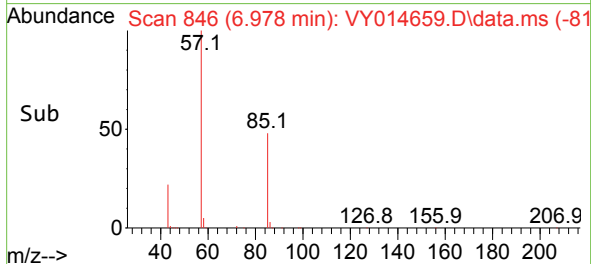
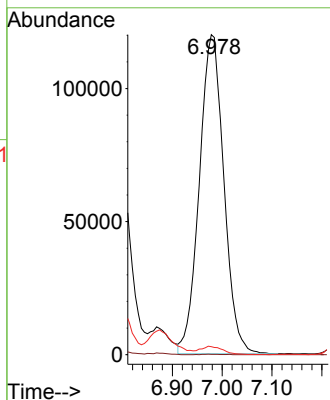
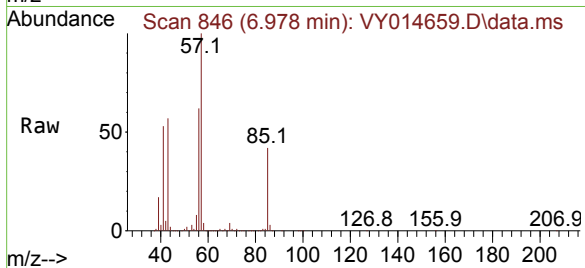
Tgt Ion: 43 Resp: 409703

Ion Ratio Lower Upper

43 100

61 0.1 10.1 15.1#

70 2.4 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.920 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

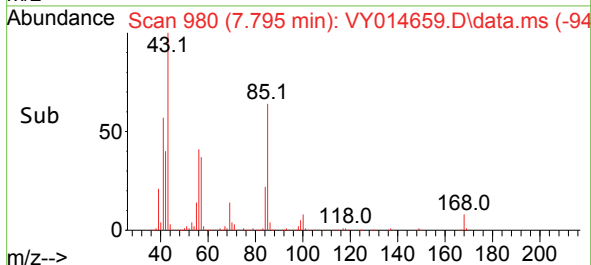
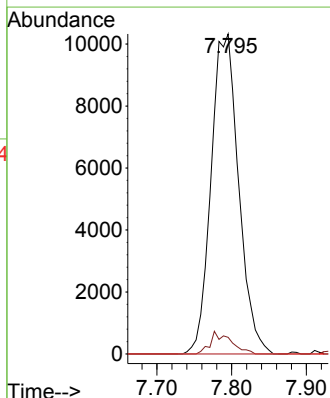
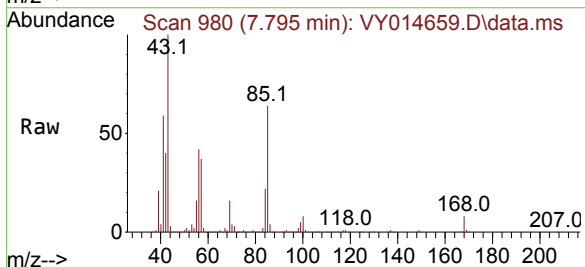
Tgt Ion: 117 Resp: 26491

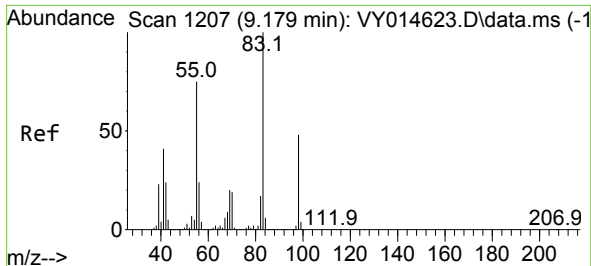
Ion Ratio Lower Upper

117 100

119 5.2 76.4 114.6#

121 0.0 25.8 38.6#

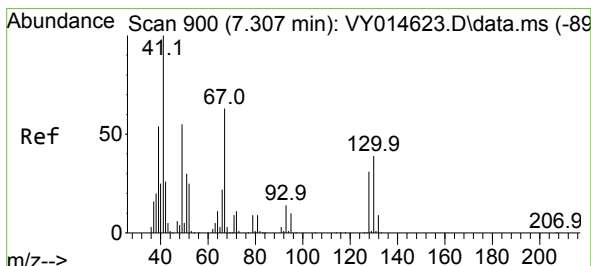
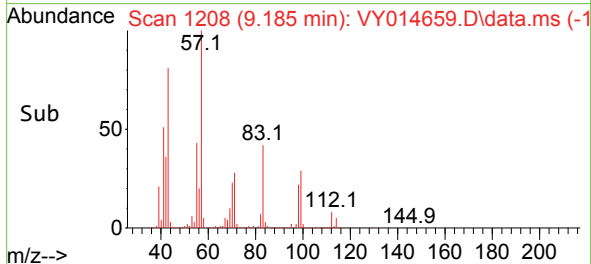
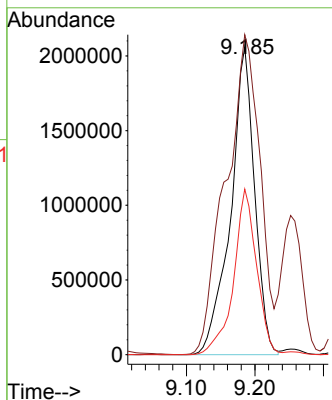
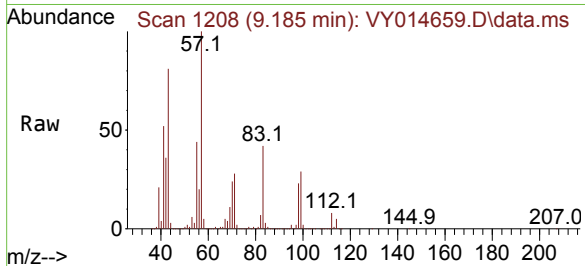




#39  
Methylcyclohexane  
Concen: 910.424 ug/l  
RT: 9.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

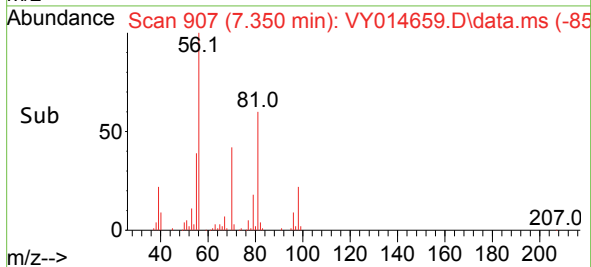
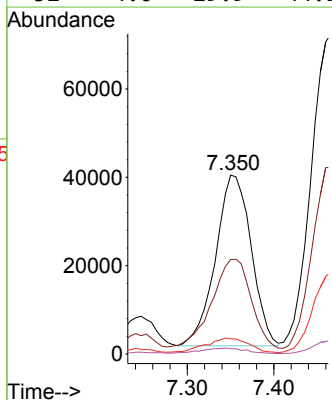
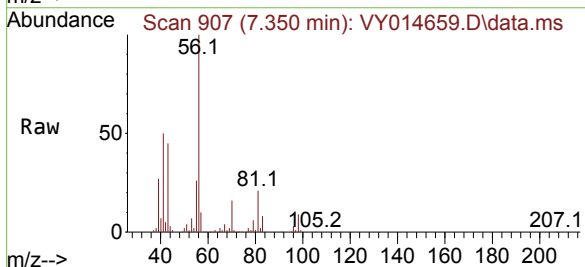
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

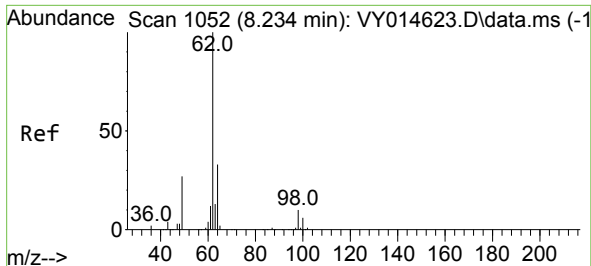
Tgt Ion: 83 Resp: 5021292  
Ion Ratio Lower Upper  
83 100  
55 103.9 63.0 94.4#  
98 53.8 37.4 56.2



#41  
Methacrylonitrile  
Concen: 73.770 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.043 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 41 Resp: 110595  
Ion Ratio Lower Upper  
41 100  
39 57.9 52.1 78.1  
67 0.0 66.2 99.2#  
52 4.0 29.9 44.9#





#42

1,2-Dichloroethane

Concen: 2.715 ug/l

RT: 8.283 min Scan# 1060

Delta R.T. 0.049 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

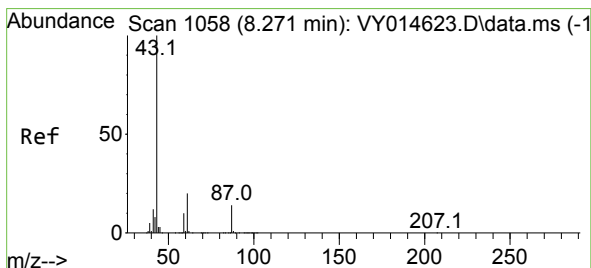
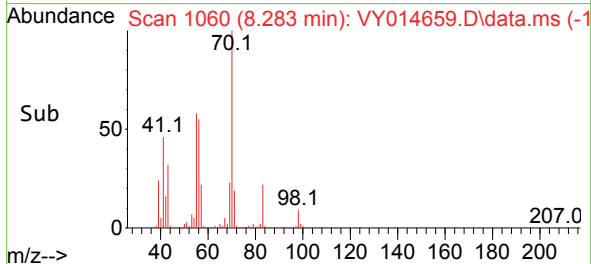
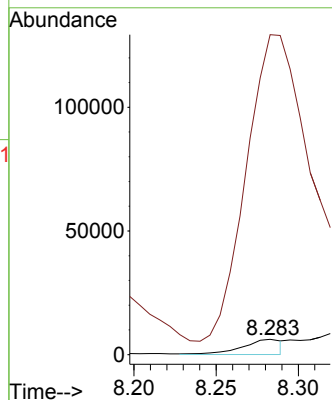
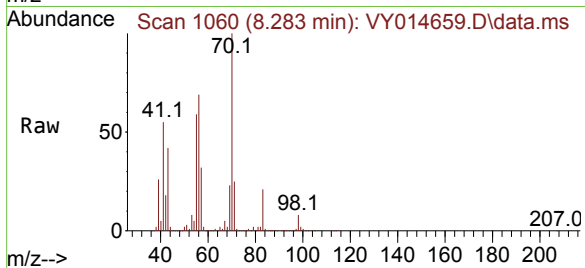
SB-09-(3-5)

Tgt Ion: 62 Resp: 10350

Ion Ratio Lower Upper

62 100

98 3503.5 0.0 15.8#



#43

Isopropyl Acetate

Concen: 1121.349 ug/l

RT: 8.319 min Scan# 1066

Delta R.T. 0.048 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

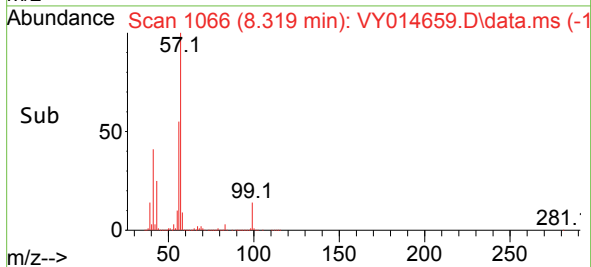
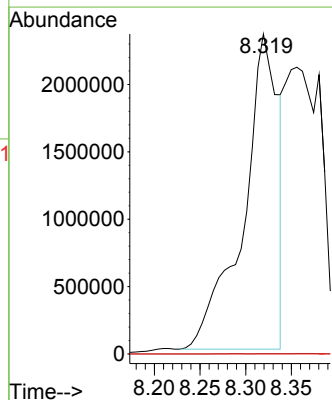
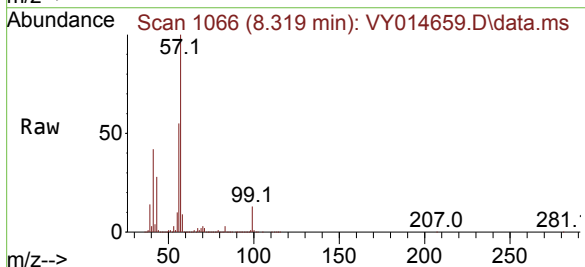
Tgt Ion: 43 Resp: 6225989

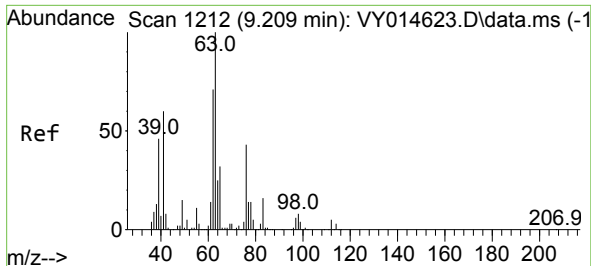
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 35.477 ug/l

RT: 9.191 min Scan# 11

Delta R.T. -0.018 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

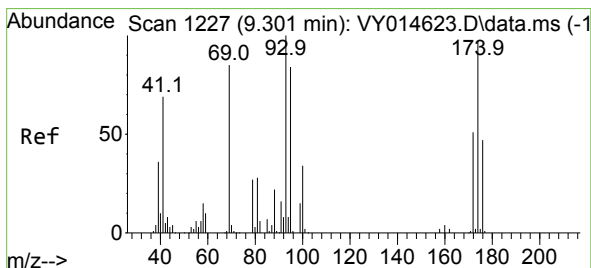
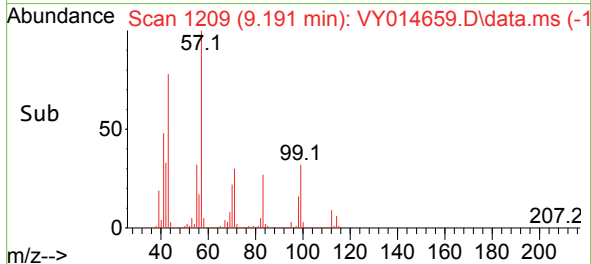
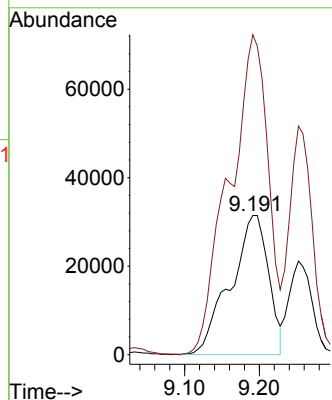
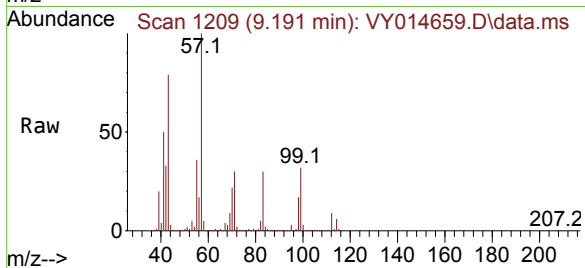
SB-09-(3-5)

Tgt Ion: 63 Resp: 111537

Ion Ratio Lower Upper

63 100

65 229.5 23.8 35.6#



#46

Dibromomethane

Concen: 1.440 ug/l

RT: 9.325 min Scan# 1231

Delta R.T. 0.024 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

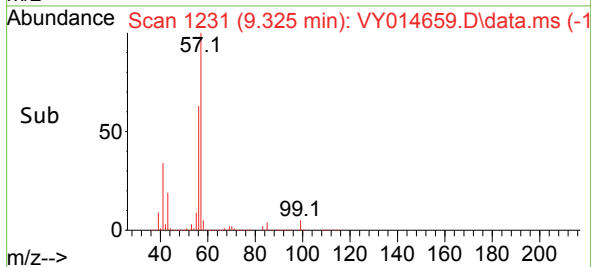
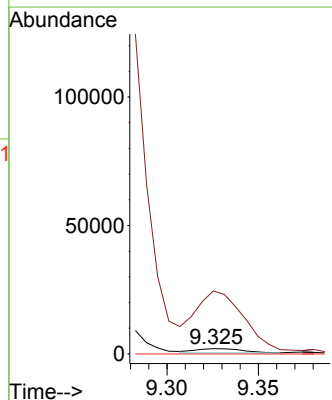
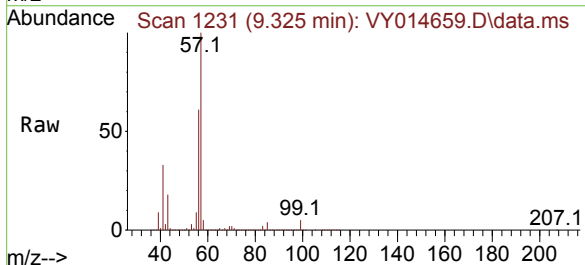
Tgt Ion: 93 Resp: 2747

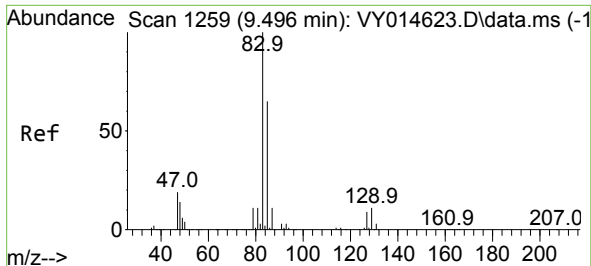
Ion Ratio Lower Upper

93 100

95 1594.2 66.6 100.0#

174 0.0 84.8 127.2#

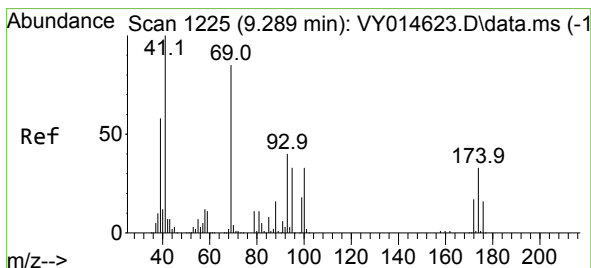
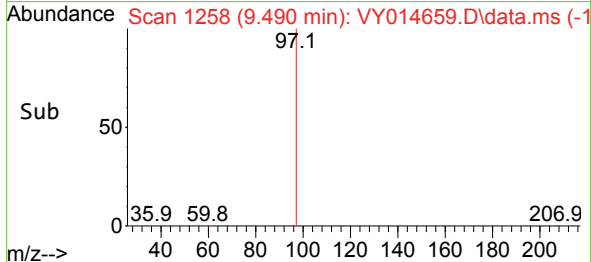
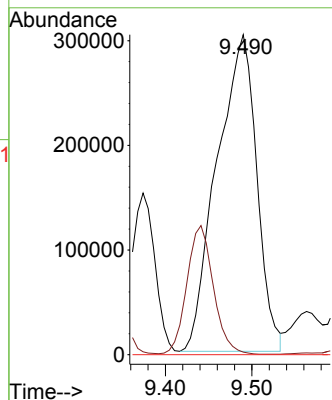
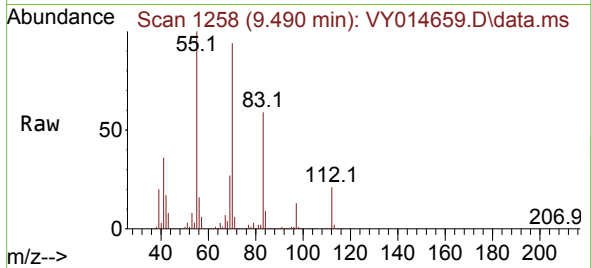




#47  
Bromodichloromethane  
Concen: 214.636 ug/l  
RT: 9.490 min Scan# 1259  
Delta R.T. -0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

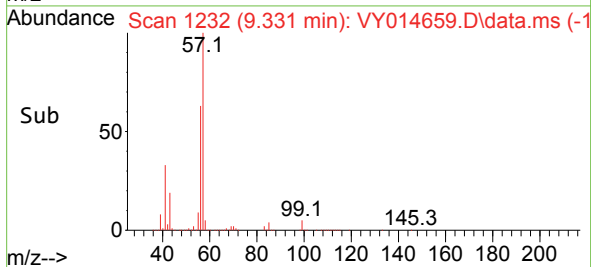
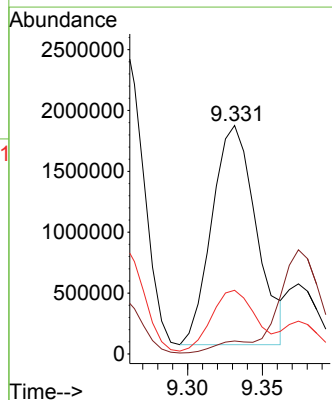
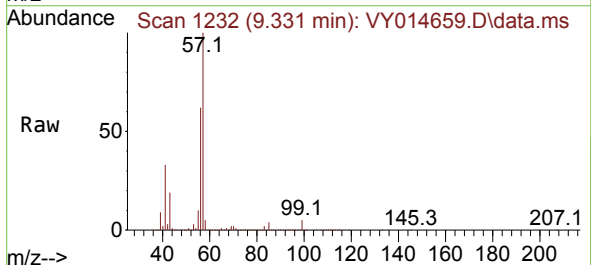
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

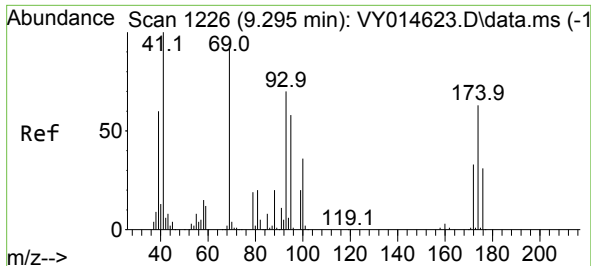
Tgt Ion: 83 Resp: 964841  
Ion Ratio Lower Upper  
83 100  
85 0.7 50.1 75.1#  
127 0.0 7.1 10.7#



#48  
Methyl methacrylate  
Concen: 1484.095 ug/l  
RT: 9.331 min Scan# 1232  
Delta R.T. 0.042 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 41 Resp: 3707781  
Ion Ratio Lower Upper  
41 100  
69 0.0 64.5 96.7#  
39 27.2 50.8 76.2#

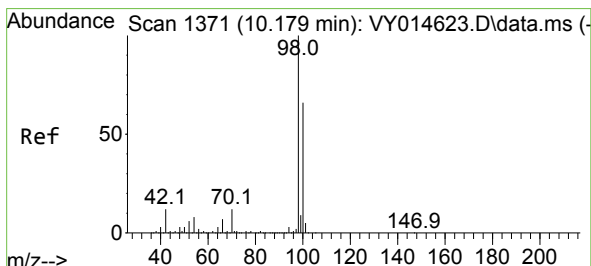
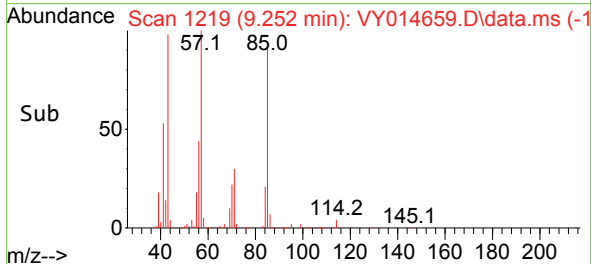
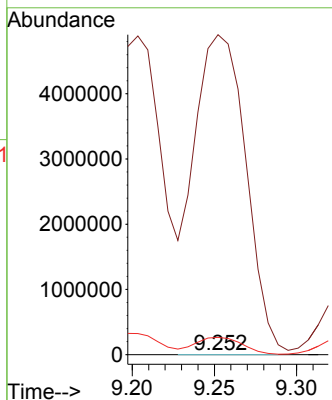
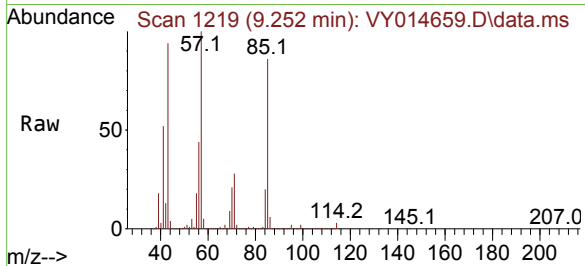




#49  
1,4-Dioxane  
Concen: 14.920 ug/l  
RT: 9.252 min Scan# 1219  
Delta R.T. -0.043 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

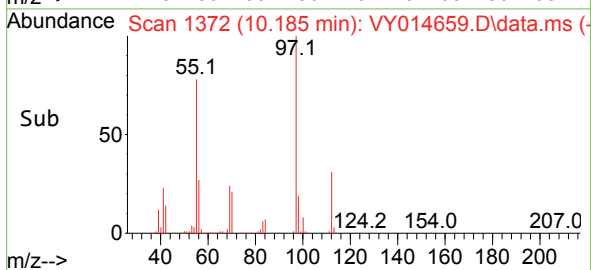
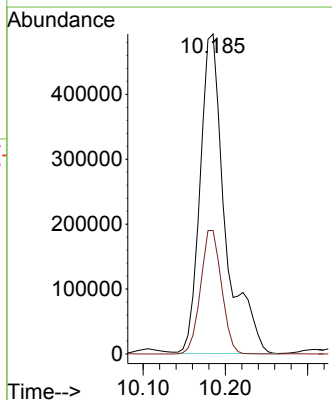
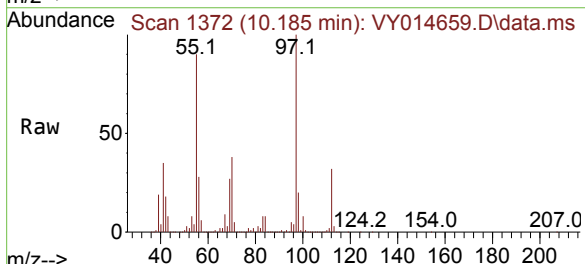
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

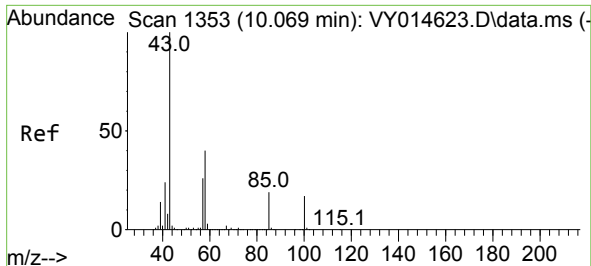
Tgt Ion: 88 Resp: 464  
Ion Ratio Lower Upper  
88 100  
43 2304912.1 0.0 0.0#  
58 115821.8 30.9 46.3#



#50  
Toluene-d8  
Concen: 99.762 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 98 Resp: 1041187  
Ion Ratio Lower Upper  
98 100  
100 32.4 50.1 75.1#

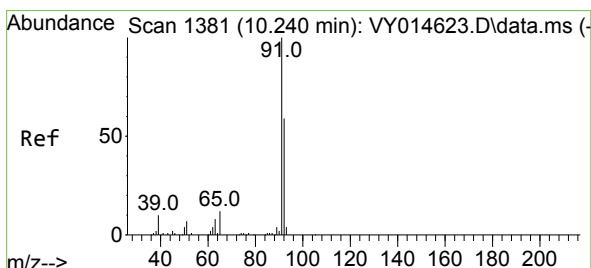
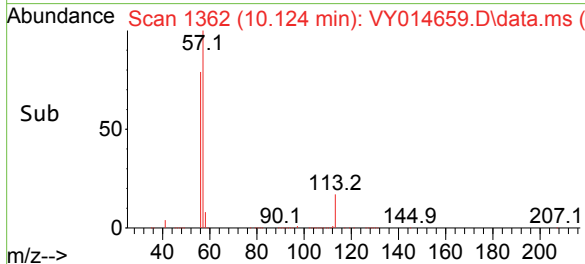
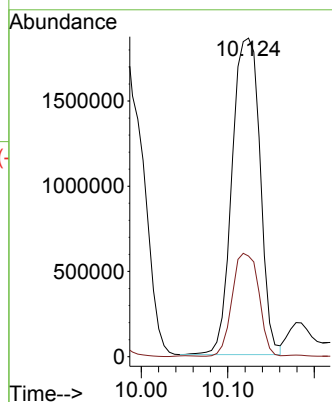
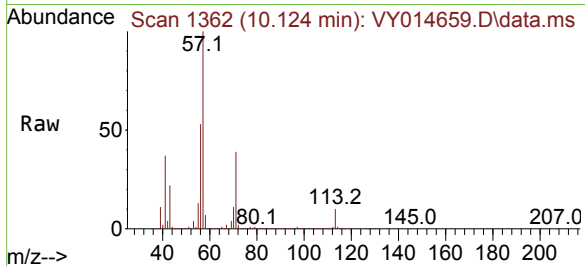




#51  
4-Methyl-2-Pentanone  
Concen: 1428.847 ug/l  
RT: 10.124 min Scan# 11  
Delta R.T. 0.055 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

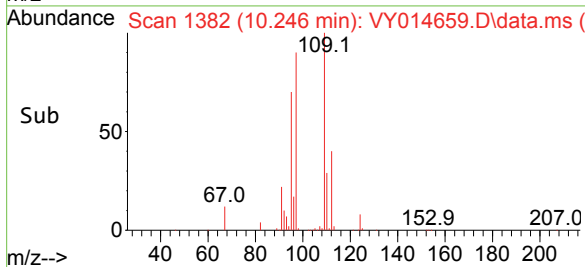
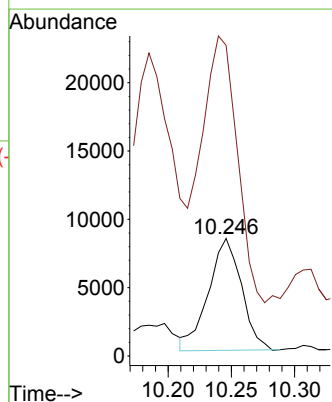
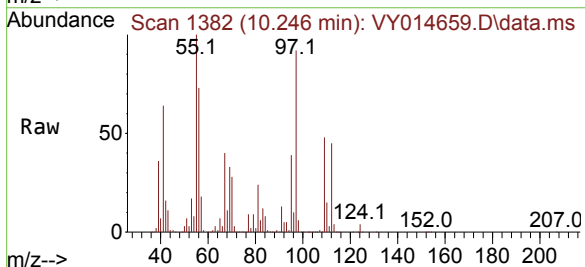
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

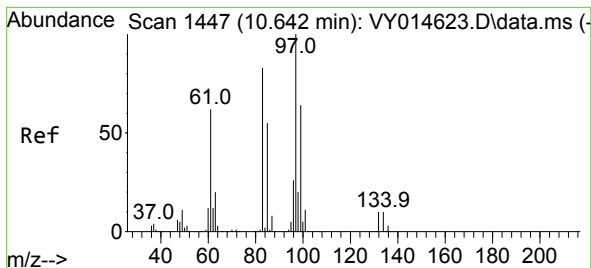
Tgt Ion: 43 Resp: 4165330  
Ion Ratio Lower Upper  
43 100  
58 31.0 29.0 43.6



#52  
Toluene  
Concen: 1.933 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 92 Resp: 14892  
Ion Ratio Lower Upper  
92 100  
91 277.4 143.8 215.6#





#55

1,1,2-Trichloroethane

Concen: 1157.580 ug/l

RT: 10.624 min Scan# 1444

Delta R.T. -0.018 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion: 97 Resp: 3075412

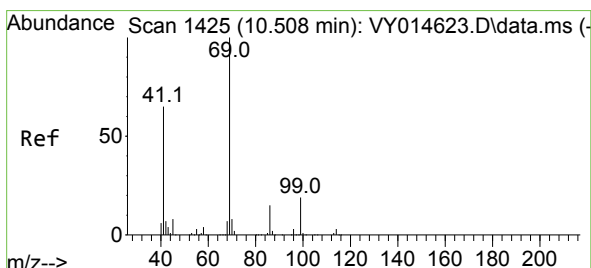
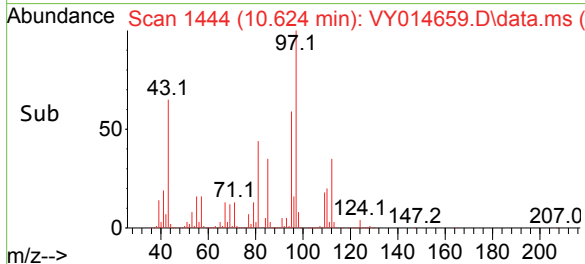
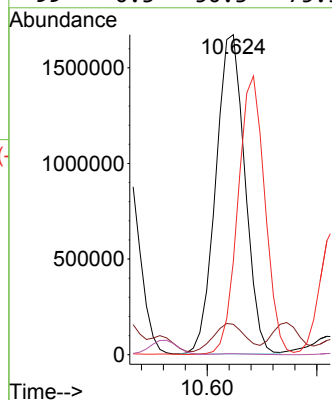
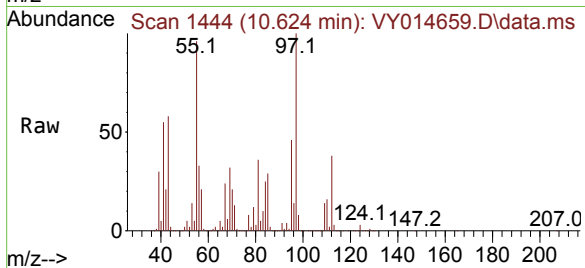
Ion Ratio Lower Upper

97 100

83 7.6 72.0 108.0#

85 29.0 45.4 68.0#

99 0.3 50.3 75.5#



#56

Ethyl methacrylate

Concen: 119.560 ug/l

RT: 10.526 min Scan# 1428

Delta R.T. 0.018 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

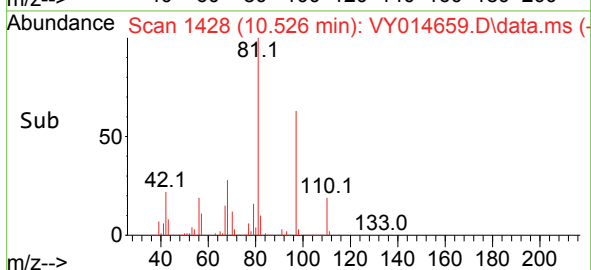
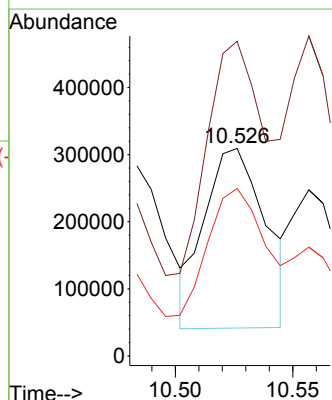
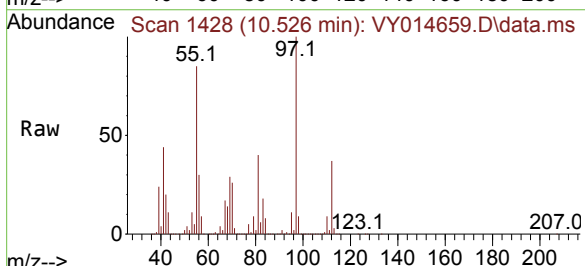
Tgt Ion: 69 Resp: 484988

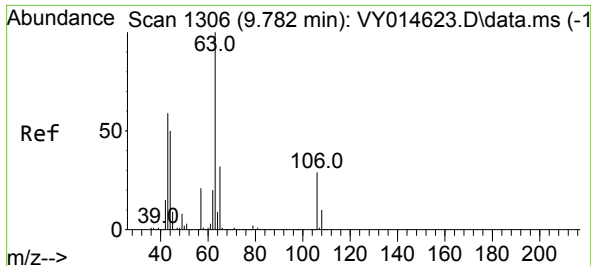
Ion Ratio Lower Upper

69 100

41 143.9 57.6 86.4#

39 65.2 34.1 51.1#

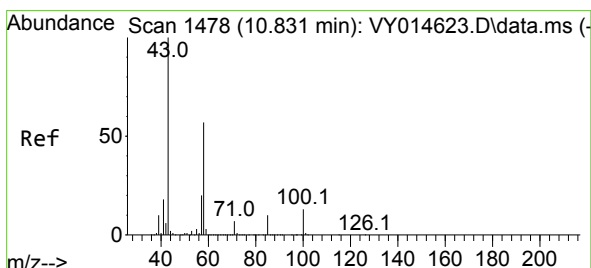
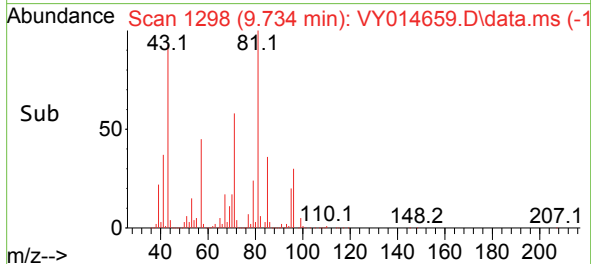
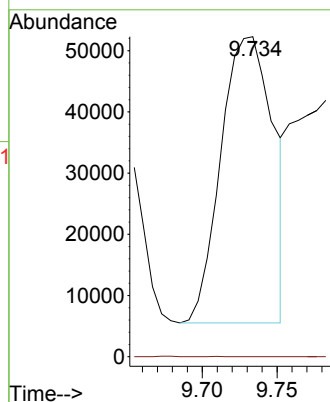
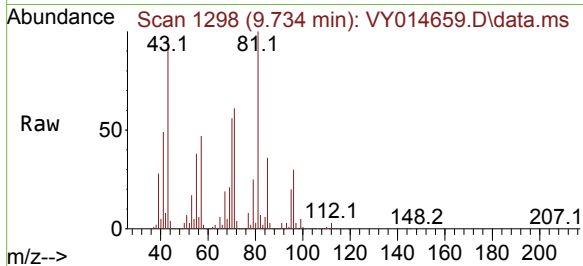




#58  
2-Chloroethyl Vinyl ether  
Concen: 60.206 ug/l  
RT: 9.734 min Scan# 11  
Delta R.T. -0.048 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

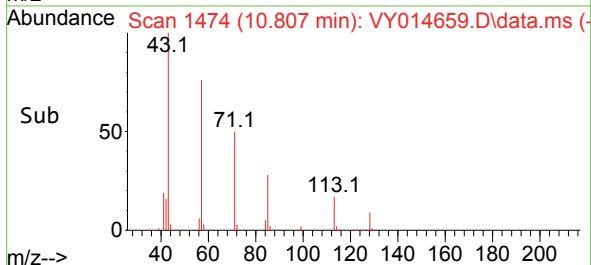
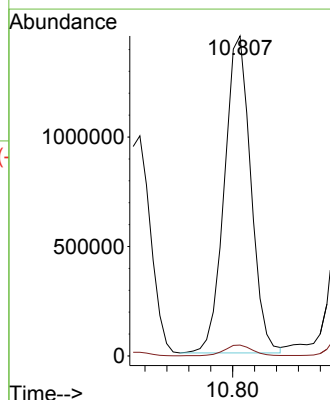
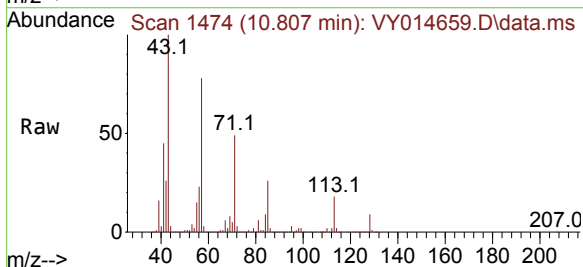
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

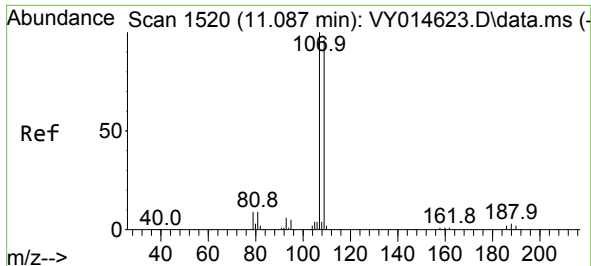
Tgt Ion: 63 Resp: 113794  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.2 31.8#



#59  
2-Hexanone  
Concen: 1140.944 ug/l  
RT: 10.807 min Scan# 1474  
Delta R.T. -0.024 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 43 Resp: 2425533  
Ion Ratio Lower Upper  
43 100  
58 3.7 25.1 75.3#

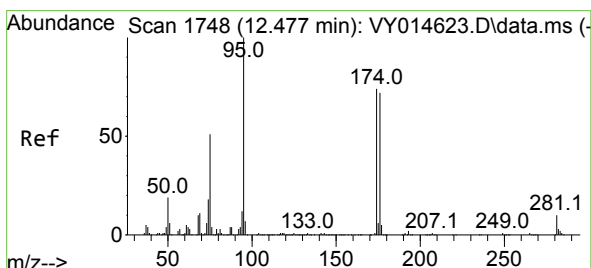
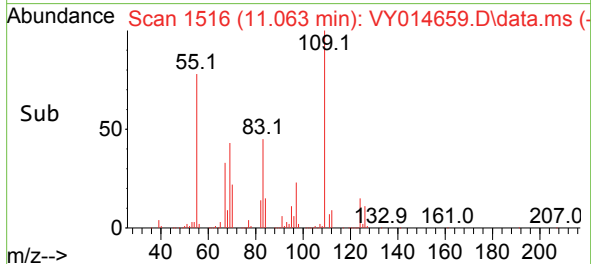
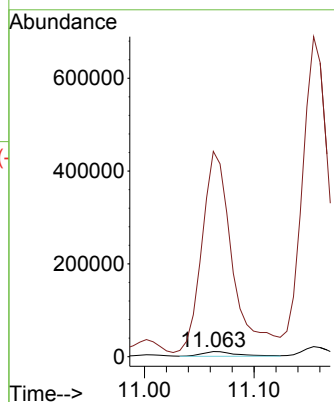
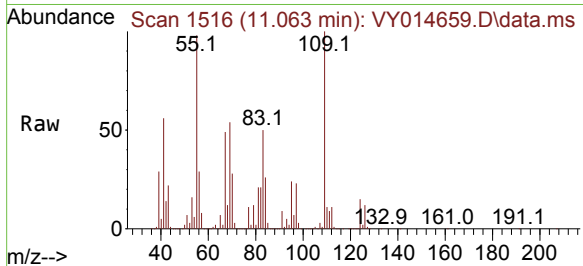




#61  
1,2-Dibromoethane  
Concen: 8.373 ug/l  
RT: 11.063 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

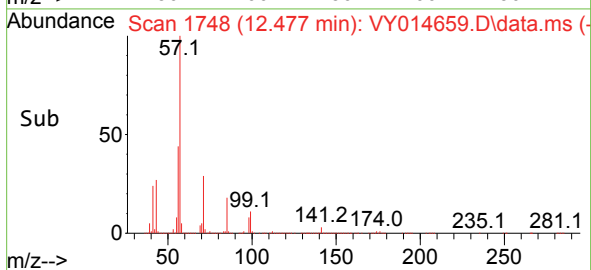
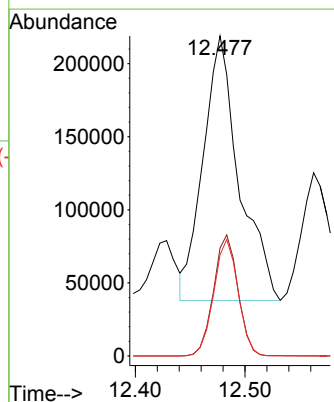
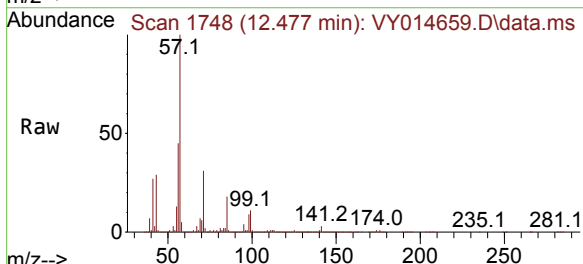
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

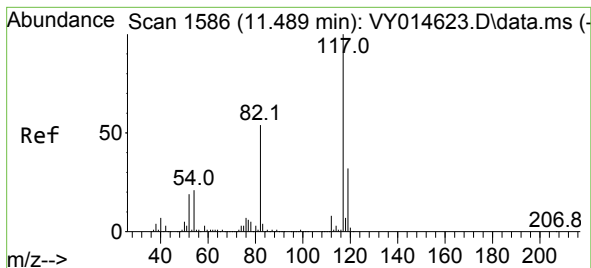
Tgt Ion:107 Resp: 22192  
Ion Ratio Lower Upper  
107 100  
109 3802.7 75.6 113.4#



#62  
4-Bromofluorobenzene  
Concen: 103.256 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 95 Resp: 413211  
Ion Ratio Lower Upper  
95 100  
174 31.1 0.0 178.2  
176 29.7 0.0 173.8

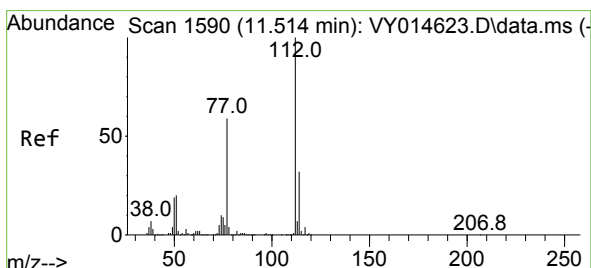
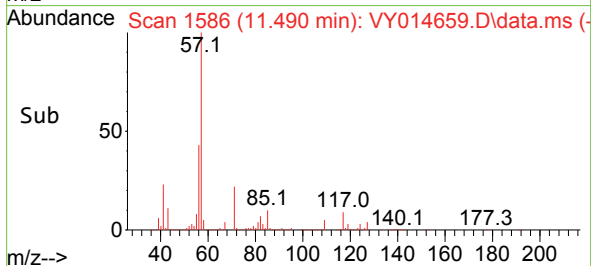
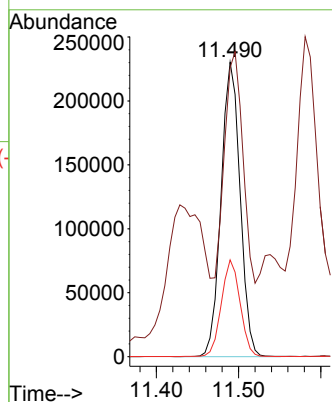
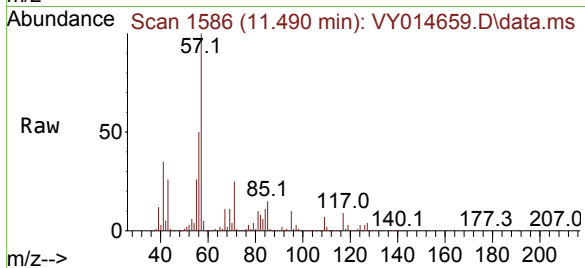




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

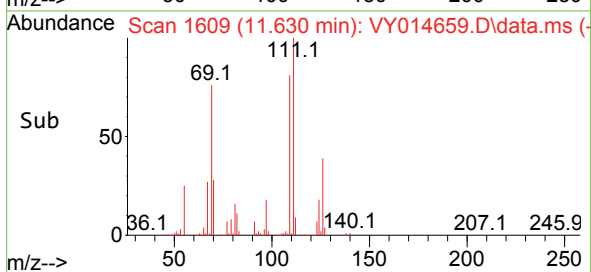
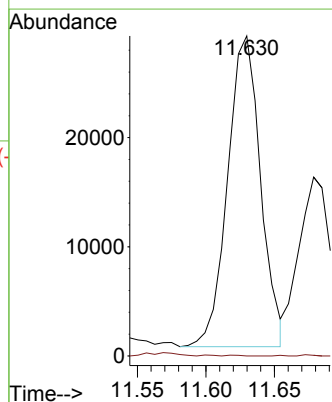
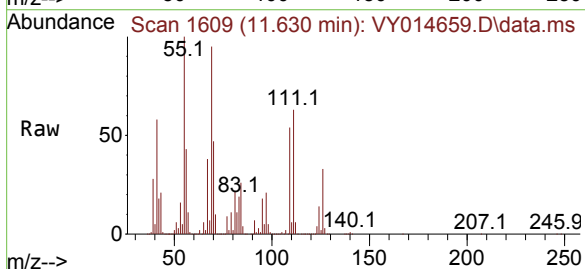
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

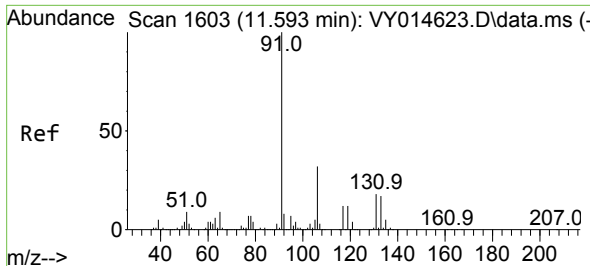
Tgt Ion:117 Resp: 371107  
Ion Ratio Lower Upper  
117 100  
82 67.8 43.4 65.0#  
119 32.8 26.3 39.5



#65  
Chlorobenzene  
Concen: 6.019 ug/l  
RT: 11.630 min Scan# 1609  
Delta R.T. 0.116 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion:112 Resp: 47600  
Ion Ratio Lower Upper  
112 100  
114 0.0 25.5 38.3#

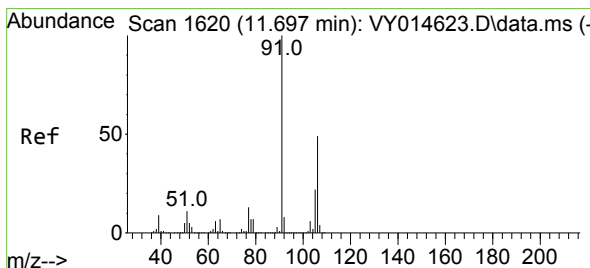
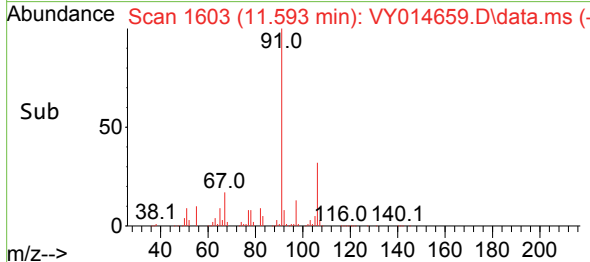
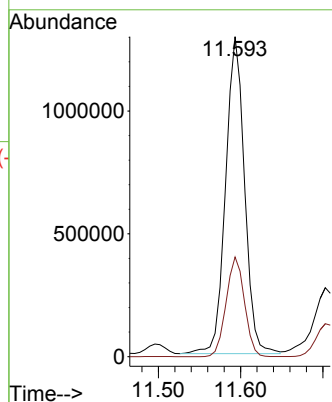
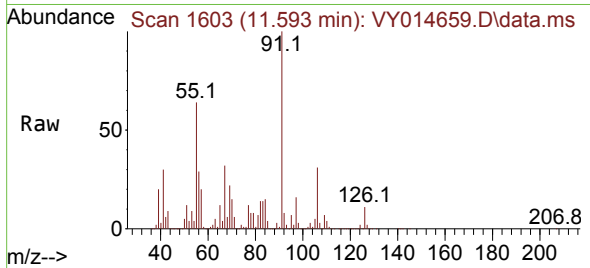




#67  
Ethyl Benzene  
Concen: 145.029 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

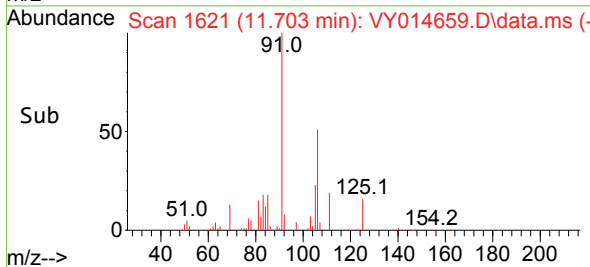
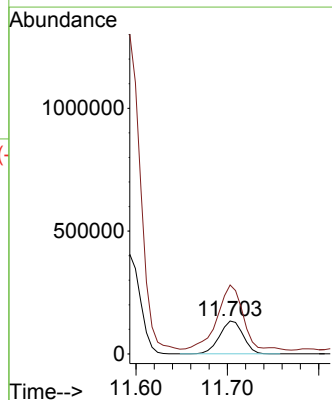
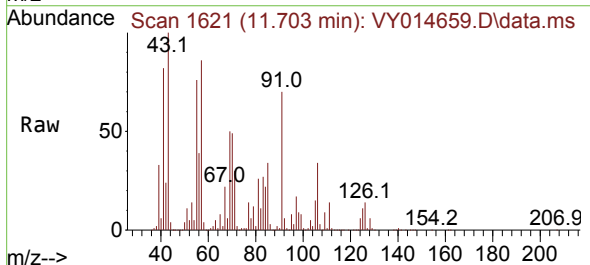
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

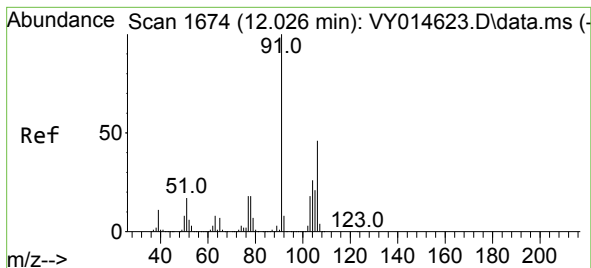
Tgt Ion: 91 Resp: 2070765  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.6 36.8



#68  
m/p-Xylenes  
Concen: 43.936 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.006 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion:106 Resp: 239466  
Ion Ratio Lower Upper  
106 100  
91 221.1 166.1 249.1





#69

o-Xylene

Concen: 3.172 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

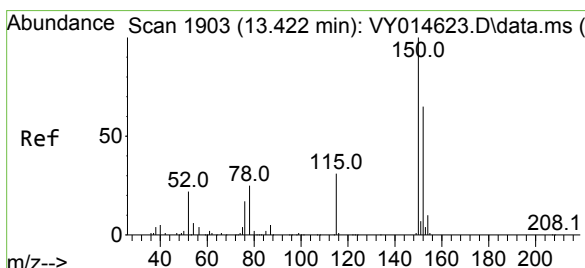
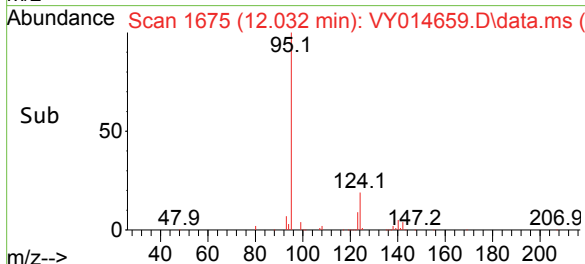
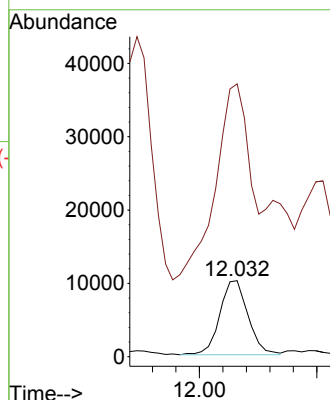
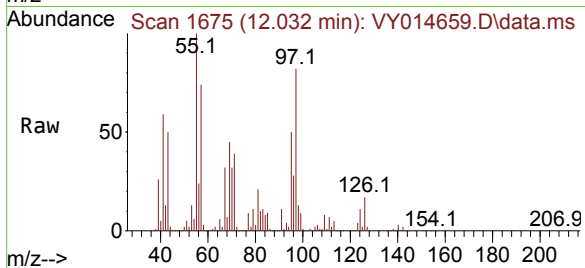
SB-09-(3-5)

Tgt Ion:106 Resp: 16837

Ion Ratio Lower Upper

106 100

91 344.3 108.1 324.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

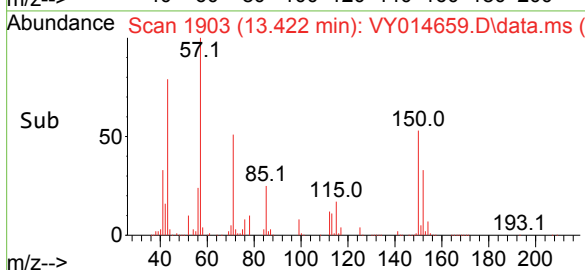
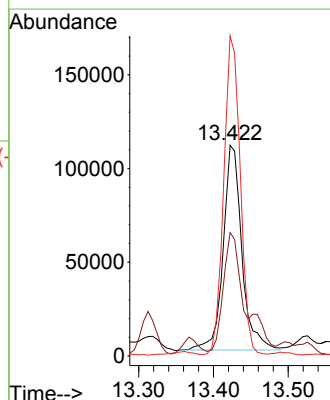
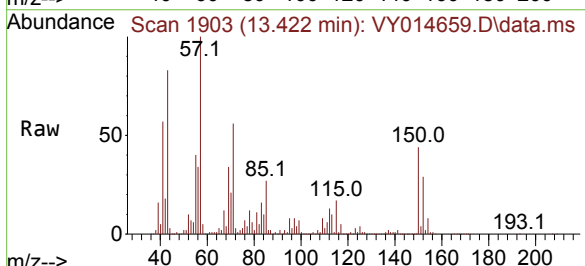
Tgt Ion:152 Resp: 190941

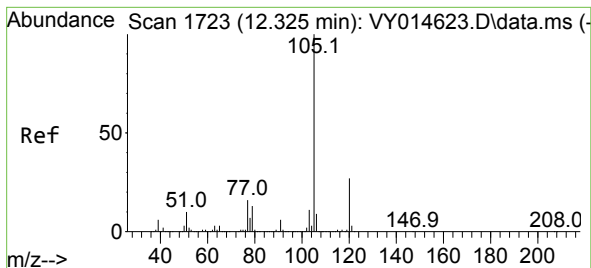
Ion Ratio Lower Upper

152 100

115 66.6 28.8 86.5

150 137.1 0.0 348.8





#73

Isopropylbenzene

Concen: 109.783 ug/l

RT: 12.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

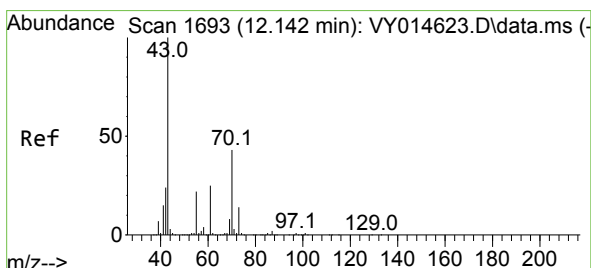
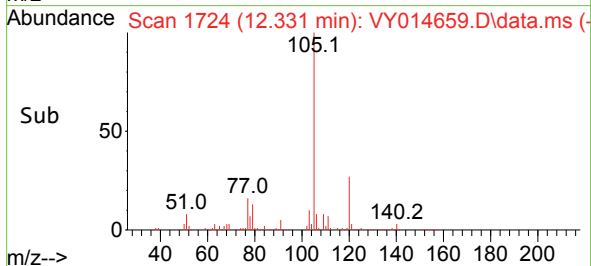
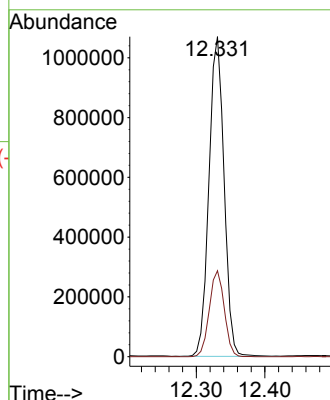
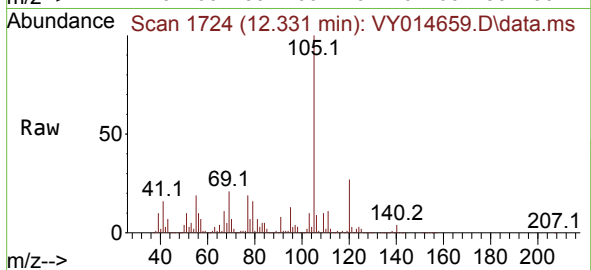
SB-09-(3-5)

Tgt Ion:105 Resp: 1641338

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 240.353 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Tgt Ion: 43 Resp: 1203516

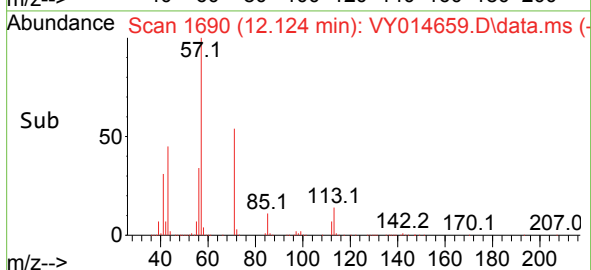
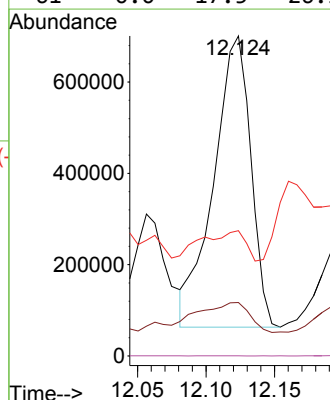
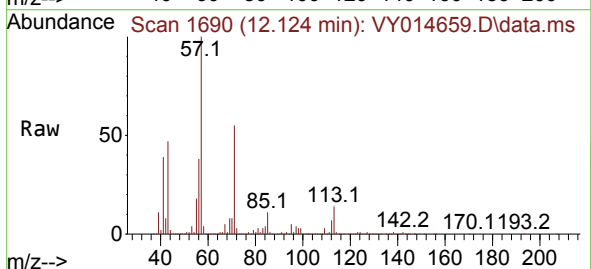
Ion Ratio Lower Upper

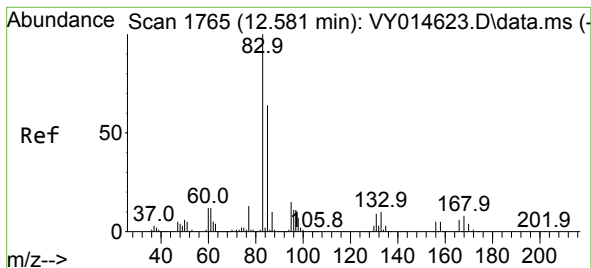
43 100

70 14.1 29.7 44.5#

55 12.1 18.3 27.5#

61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 16.719 ug/l

RT: 12.569 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

SB-09-(3-5)

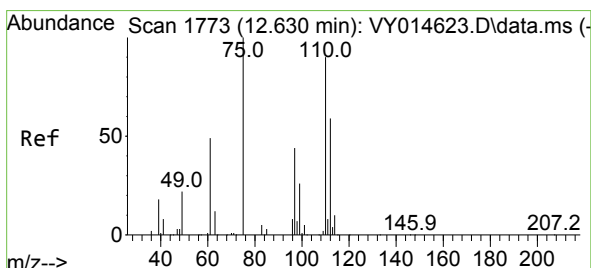
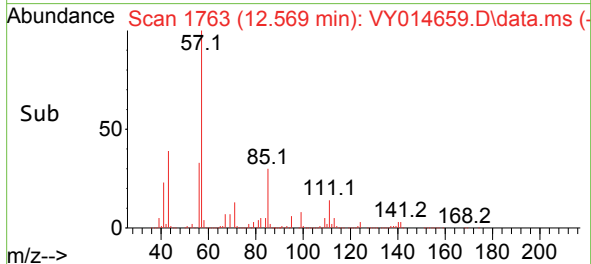
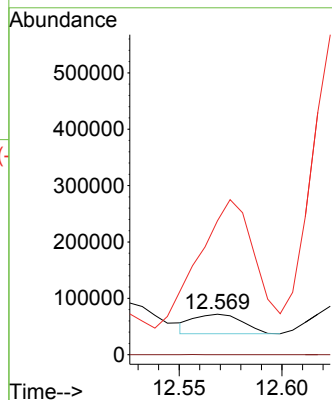
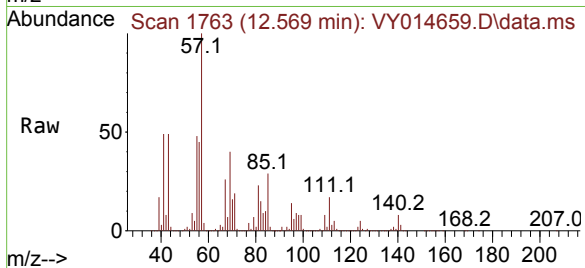
Tgt Ion: 83 Resp: 57001

Ion Ratio Lower Upper

83 100

131 0.3 5.4 16.2#

85 748.0 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 21.899 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.042 min

Lab File: VY014659.D

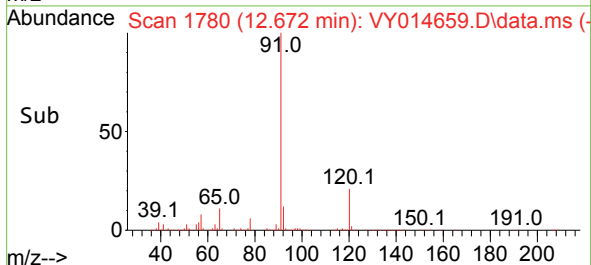
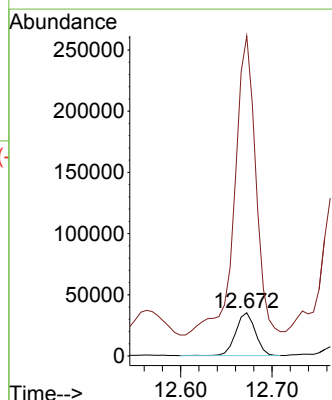
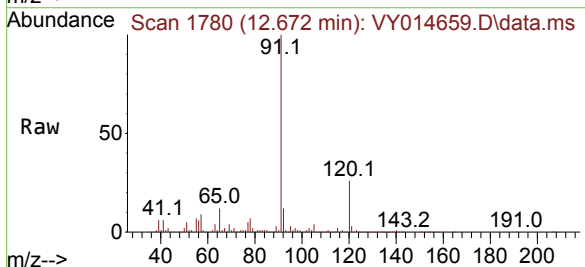
Acq: 14 Jul 2023 19:50

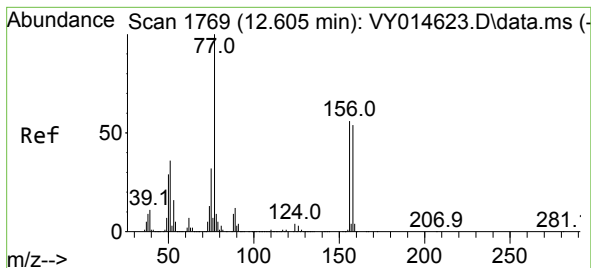
Tgt Ion: 75 Resp: 52811

Ion Ratio Lower Upper

75 100

77 747.7 0.0 0.0#





#77

Bromobenzene

Concen: 1.852 ug/l

RT: 12.575 min Scan# 11

Delta R.T. -0.030 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

SB-09-(3-5)

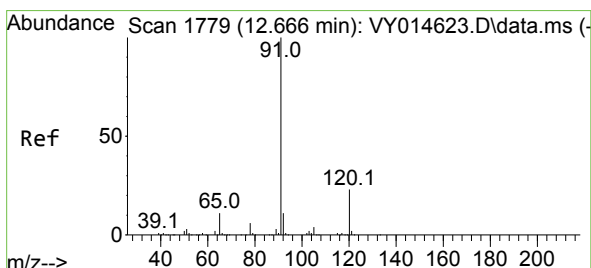
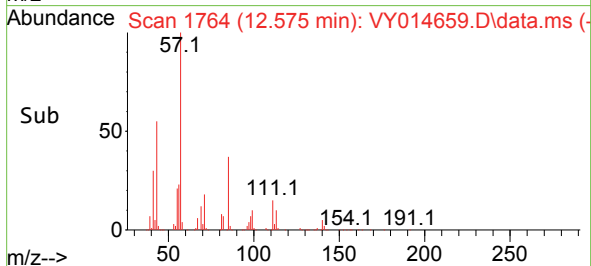
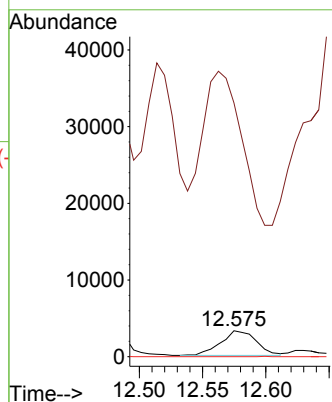
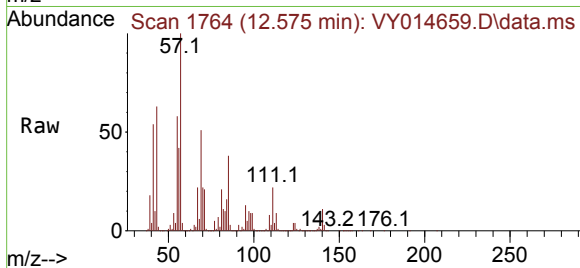
Tgt Ion:156 Resp: 6321

Ion Ratio Lower Upper

156 100

77 661.0 92.8 278.6#

158 0.0 48.4 145.3#



#78

n-propylbenzene

Concen: 449.872 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY014659.D

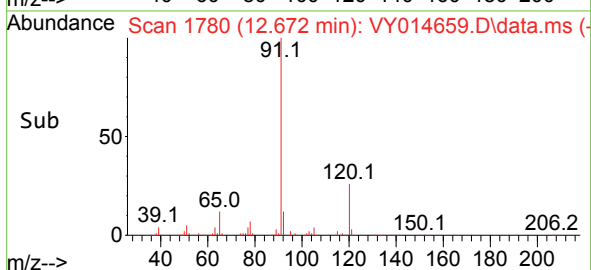
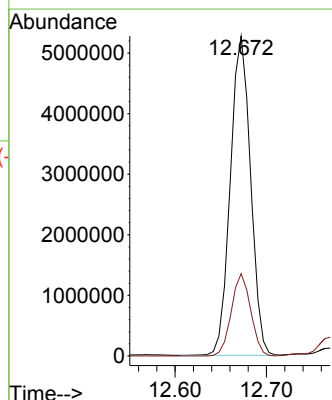
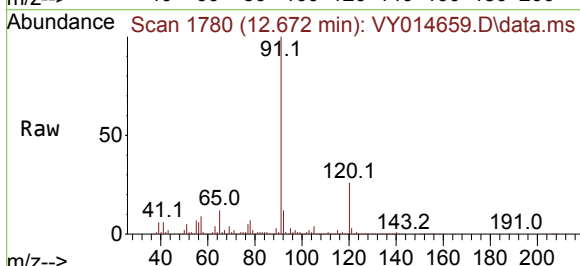
Acq: 14 Jul 2023 19:50

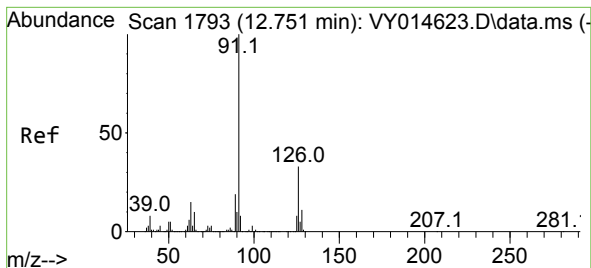
Tgt Ion: 91 Resp: 8104816

Ion Ratio Lower Upper

91 100

120 24.6 11.5 34.4

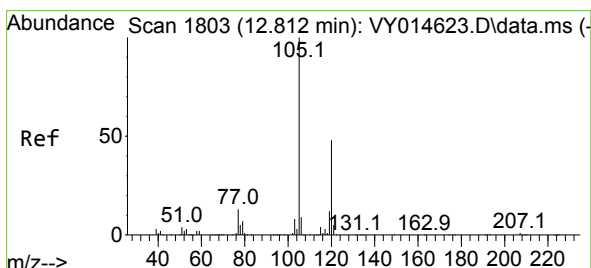
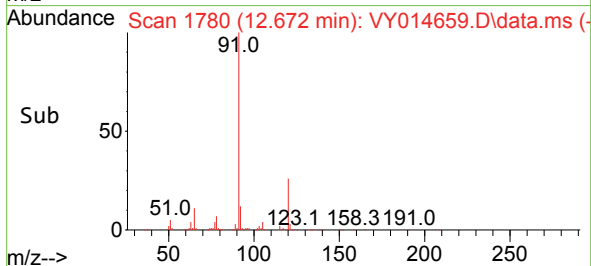
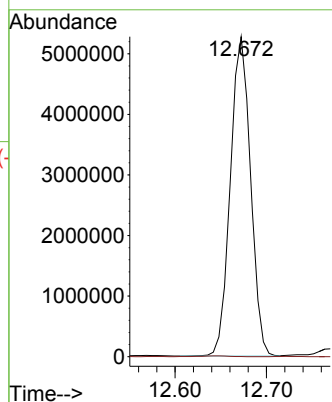
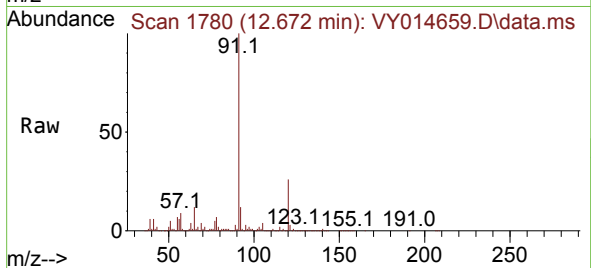




#79  
2-Chlorotoluene  
Concen: 781.051 ug/l  
RT: 12.672 min Scan# 1793  
Delta R.T. -0.079 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

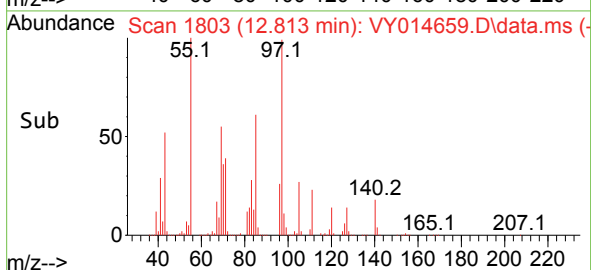
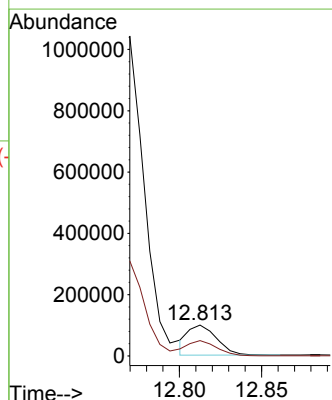
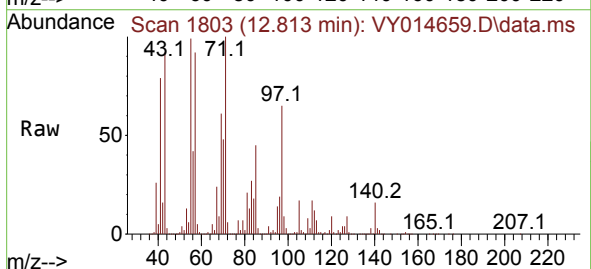
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

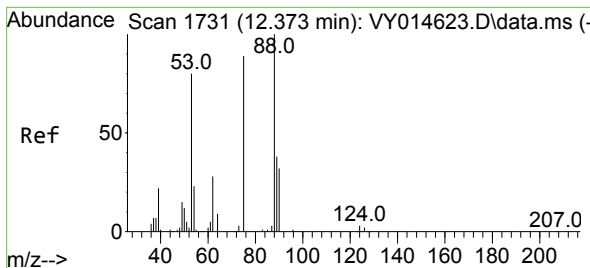
Tgt Ion: 91 Resp: 8104816  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.3 51.7#



#80  
1,3,5-Trimethylbenzene  
Concen: 9.473 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 105 Resp: 118285  
Ion Ratio Lower Upper  
105 100  
120 56.8 23.9 71.7

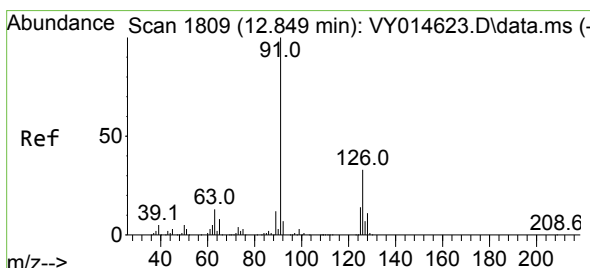
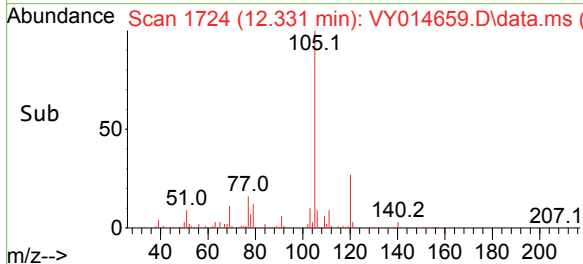
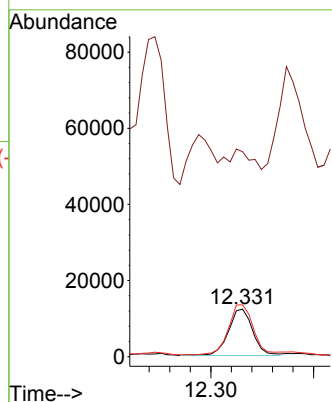
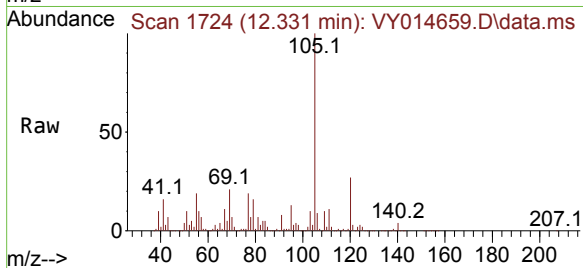




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.268 ug/l  
RT: 12.331 min Scan# 1  
Delta R.T. -0.042 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

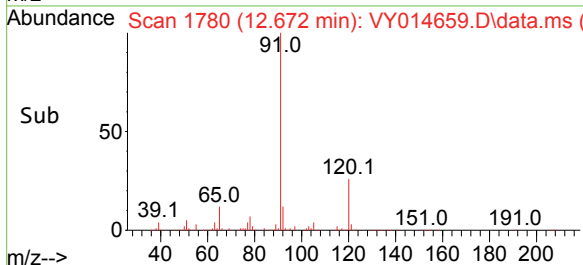
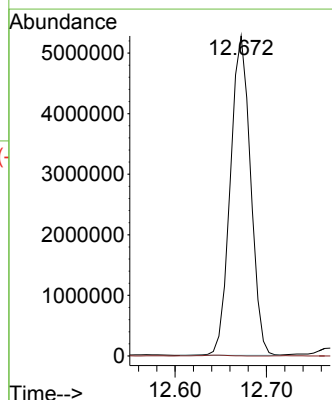
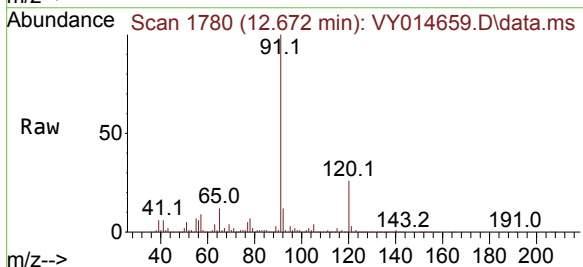
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

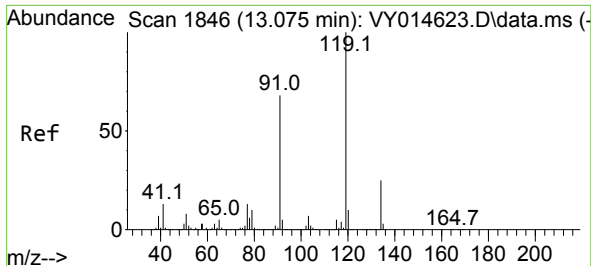
Tgt Ion: 75 Resp: 20262  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 110.8 37.4 56.0#



#82  
4-Chlorotoluene  
Concen: 758.378 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.177 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 91 Resp: 8104816  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.2 51.6#

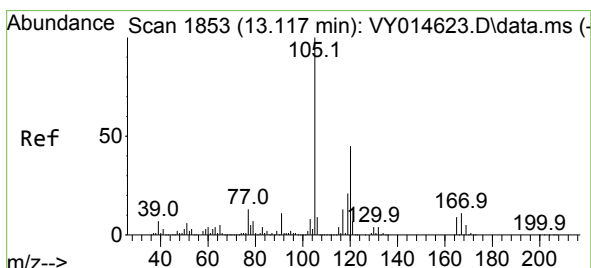
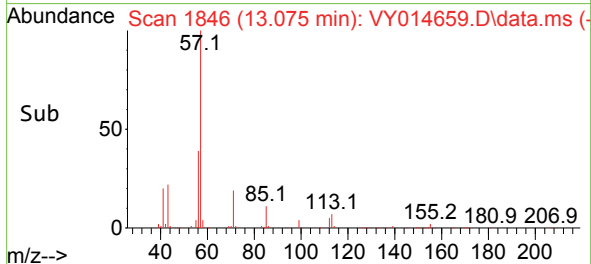
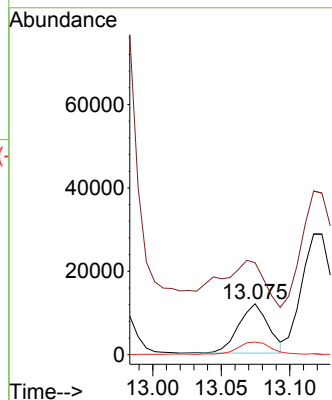
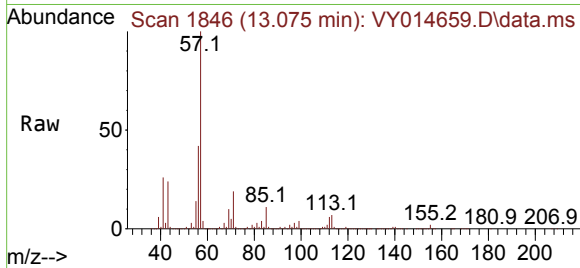




#83  
tert-Butylbenzene  
Concen: 1.620 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

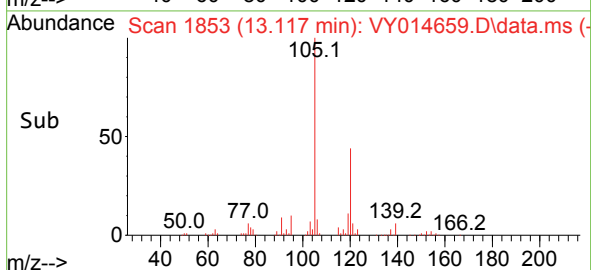
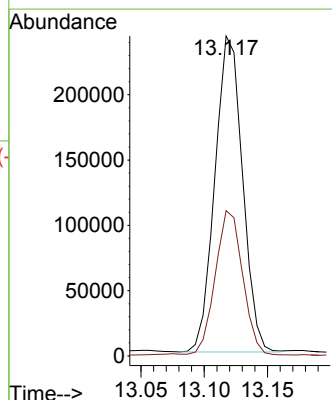
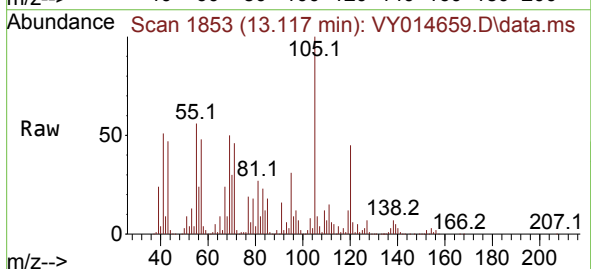
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

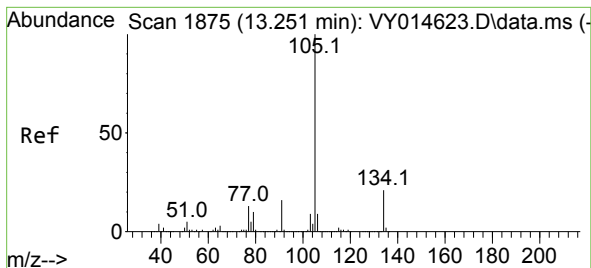
Tgt Ion:119 Resp: 17941  
Ion Ratio Lower Upper  
119 100  
91 137.9 32.9 98.6#  
134 0.0 13.0 38.9#



#84  
1,2,4-Trimethylbenzene  
Concen: 30.021 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion:105 Resp: 367864  
Ion Ratio Lower Upper  
105 100  
120 46.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 47.162 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

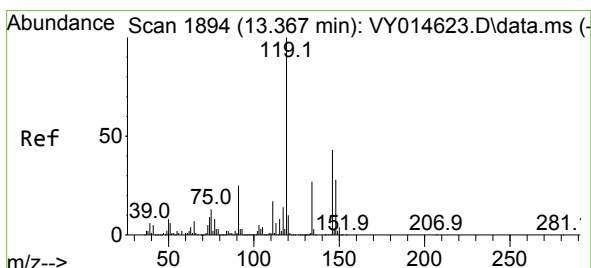
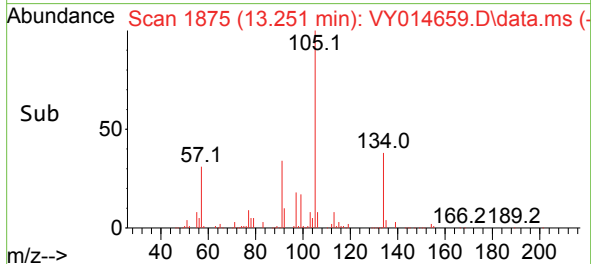
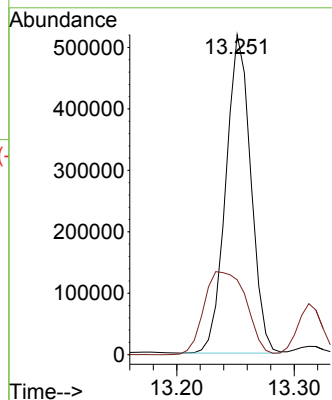
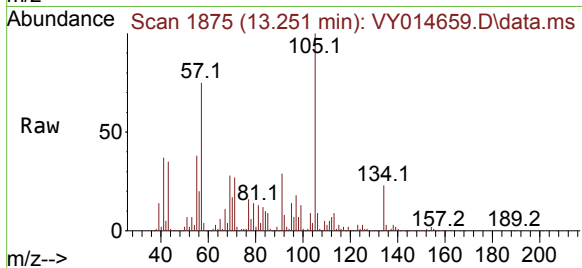
SB-09-(3-5)

Tgt Ion:105 Resp: 766279

Ion Ratio Lower Upper

105 100

134 43.8 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 31.783 ug/l

RT: 13.312 min Scan# 1885

Delta R.T. -0.055 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

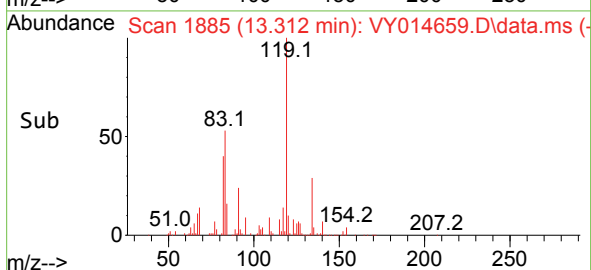
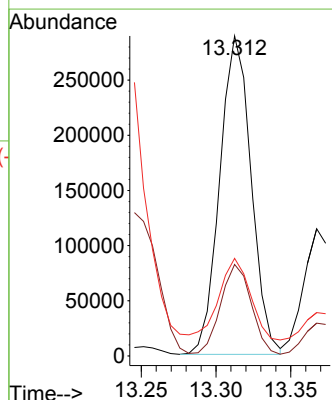
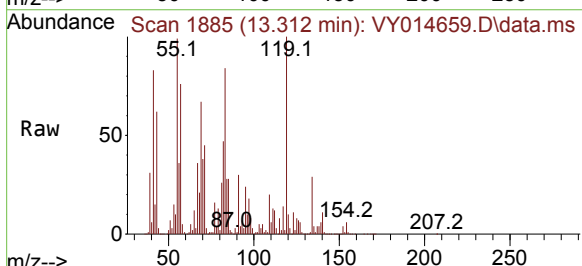
Tgt Ion:119 Resp: 421621

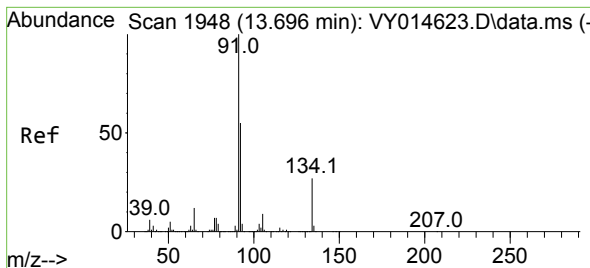
Ion Ratio Lower Upper

119 100

134 28.6 13.3 39.8

91 25.4 12.4 37.4





#89

n-Butylbenzene

Concen: 164.947 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Instrument :

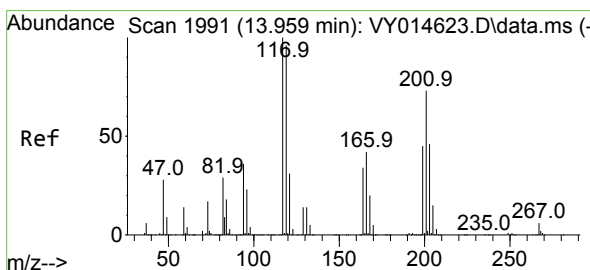
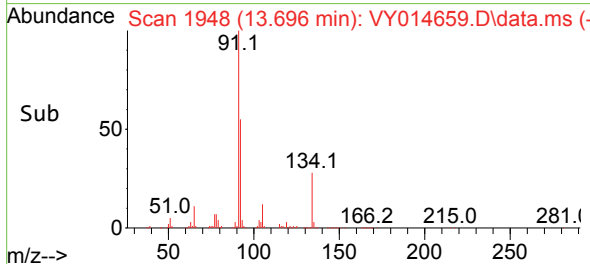
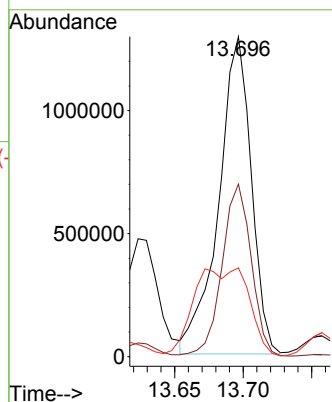
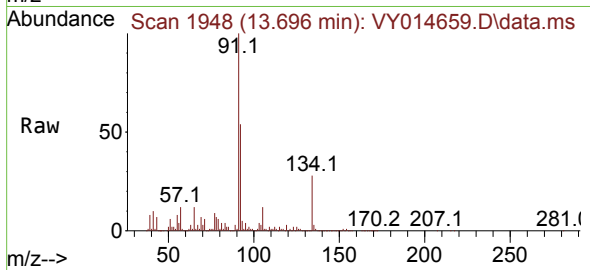
MSVOA\_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion: 91 Resp: 2128852

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 48.5  | 25.4  | 76.0  |
| 134 | 0.0   | 12.6  | 37.6# |



#90

Hexachloroethane

Concen: 215.233 ug/l

RT: 13.971 min Scan# 1993

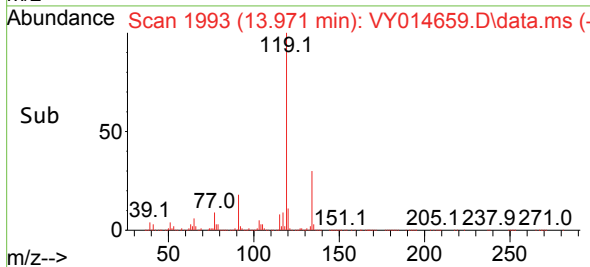
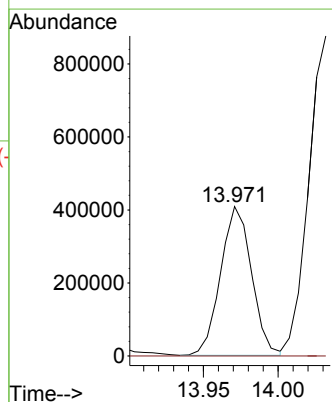
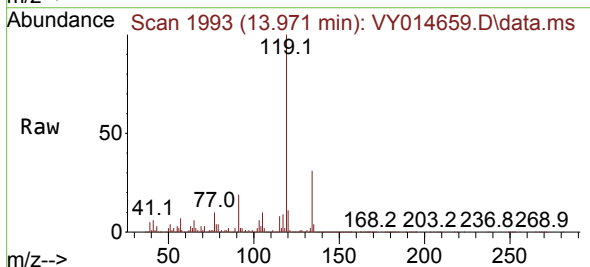
Delta R.T. 0.012 min

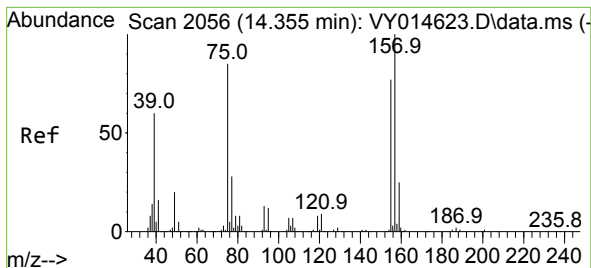
Lab File: VY014659.D

Acq: 14 Jul 2023 19:50

Tgt Ion: 117 Resp: 586463

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 201 | 0.0   | 41.6  | 124.8# |

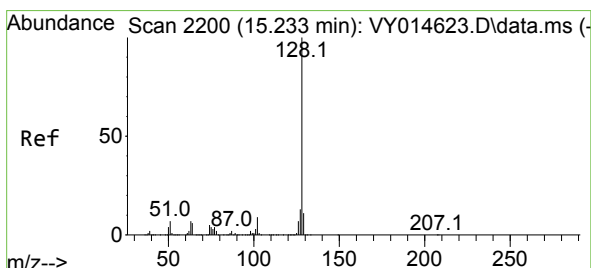
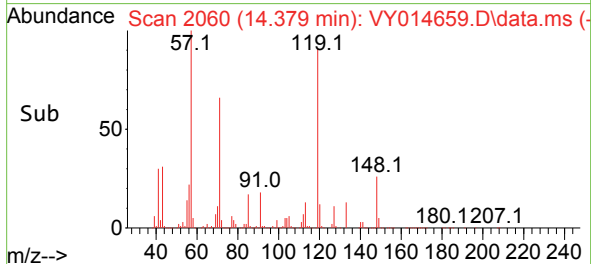
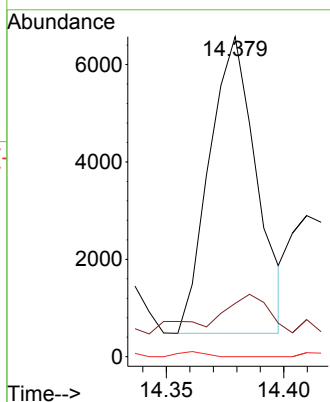
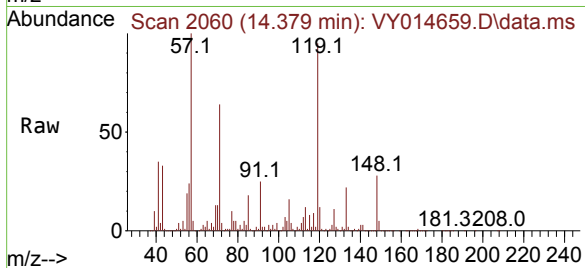




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 13.075 ug/l  
RT: 14.379 min Scan# 2056  
Delta R.T. 0.024 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-09-(3-5)

Tgt Ion: 75 Resp: 8525  
Ion Ratio Lower Upper  
75 100  
155 11.3 41.5 124.6#  
157 0.0 51.8 155.5#



#95  
Naphthalene  
Concen: 440.062 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY014659.D  
Acq: 14 Jul 2023 19:50

Tgt Ion: 128 Resp: 3960512  
Ion Ratio Lower Upper  
128 100  
127 14.3 10.8 16.2  
129 11.2 8.6 13.0

