

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072023\  
 Data File : VY014722.D  
 Acq On : 20 Jul 2023 15:41  
 Operator : SY/MD  
 Sample : 03664-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AUD-1021-1020-COMP

Quant Time: Jul 21 01:31:20 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  | 239633   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 407775   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 359472   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 136904   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 146557   | 53.670   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 107.340% |      |
| 35) Dibromofluoromethane    | 7.715  | 113   | 130615   | 50.318   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.640% |      |
| 50) Toluene-d8              | 10.178 | 98    | 481311   | 50.293   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 100.580% |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 162987   | 44.416   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 88.840%  |      |

|                               |        |     |         |          |        |        |
|-------------------------------|--------|-----|---------|----------|--------|--------|
| Target Compounds              |        |     |         |          |        | Qvalue |
| 10) Methyl Iodide             | 4.076  | 142 | 146     | 2.421    | ug/l # | 38     |
| 11) Tert butyl alcohol        | 4.954  | 59  | 486608  | 1517.759 | ug/l # | 81     |
| 13) Acrolein                  | 3.728  | 56  | 2409    | 8.440    | ug/l # | 14     |
| 14) Allyl chloride            | 4.411  | 41  | 12780   | 3.050    | ug/l # | 37     |
| 15) Acrylonitrile             | 5.167  | 53  | 7800    | 9.229    | ug/l   | 99     |
| 16) Acetone                   | 3.942  | 43  | 5741136 | 6634.630 | ug/l   | 92     |
| 18) Methyl Acetate            | 4.551  | 43  | 58757   | 17.694   | ug/l # | 54     |
| 20) Methylene Chloride        | 4.710  | 84  | 27040   | 5.894    | ug/l   | 95     |
| 25) 2-Butanone                | 6.984  | 43  | 113054  | 89.302   | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.343  | 42  | 2189    | 2.808    | ug/l # | 59     |
| 31) Cyclohexane               | 7.764  | 56  | 85594   | 18.882   | ug/l # | 55     |
| 36) 1,1-Dichloropropene       | 7.789  | 75  | 19028   | 4.902    | ug/l # | 54     |
| 37) Ethyl Acetate             | 6.984  | 43  | 113054  | 42.300   | ug/l # | 74     |
| 38) Carbon Tetrachloride      | 7.782  | 117 | 23730   | 5.783    | ug/l # | 17     |
| 39) Methylcyclohexane         | 9.179  | 83  | 40154   | 7.940    | ug/l   | 90     |
| 40) Benzene                   | 8.160  | 78  | 13145   | 1.191    | ug/l   | 99     |
| 41) Methacrylonitrile         | 7.319  | 41  | 5410    | 3.935    | ug/l # | 50     |
| 43) Isopropyl Acetate         | 8.264  | 43  | 43040   | 8.454    | ug/l # | 55     |
| 48) Methyl methacrylate       | 9.258  | 41  | 43718   | 19.083   | ug/l # | 45     |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43  | 77283   | 28.911   | ug/l   | 95     |
| 52) Toluene                   | 10.239 | 92  | 1551992 | 219.681  | ug/l   | 93     |
| 53) t-1,3-Dichloropropene     | 10.245 | 75  | 18935   | 4.200    | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane     | 10.617 | 97  | 18979   | 7.790    | ug/l # | 19     |
| 59) 2-Hexanone                | 10.831 | 43  | 41818   | 21.452   | ug/l   | 82     |
| 67) Ethyl Benzene             | 11.593 | 91  | 152595  | 11.033   | ug/l   | 98     |
| 68) m/p-Xylenes               | 11.696 | 106 | 243870  | 46.192   | ug/l   | 97     |
| 69) o-Xylene                  | 12.026 | 106 | 94203   | 18.319   | ug/l   | 100    |
| 73) Isopropylbenzene          | 12.324 | 105 | 66528   | 6.206    | ug/l   | 98     |
| 74) N-amyl acetate            | 12.105 | 43  | 35378   | 9.854    | ug/l # | 46     |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83  | 11545   | 4.723    | ug/l # | 49     |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75  | 85464   | 49.428   | ug/l # | 100    |
| 77) Bromobenzene              | 12.373 | 156 | 4629    | 1.892    | ug/l # | 1      |
| 78) n-propylbenzene           | 12.672 | 91  | 62158   | 4.812    | ug/l   | 97     |
| 79) 2-Chlorotoluene           | 12.739 | 91  | 7747    | 1.041    | ug/l # | 45     |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105 | 23237   | 2.596    | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75  | 85464   | 95.702   | ug/l # | 12     |

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Sample : 03664-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

Quant Time: Jul 21 01:31:20 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

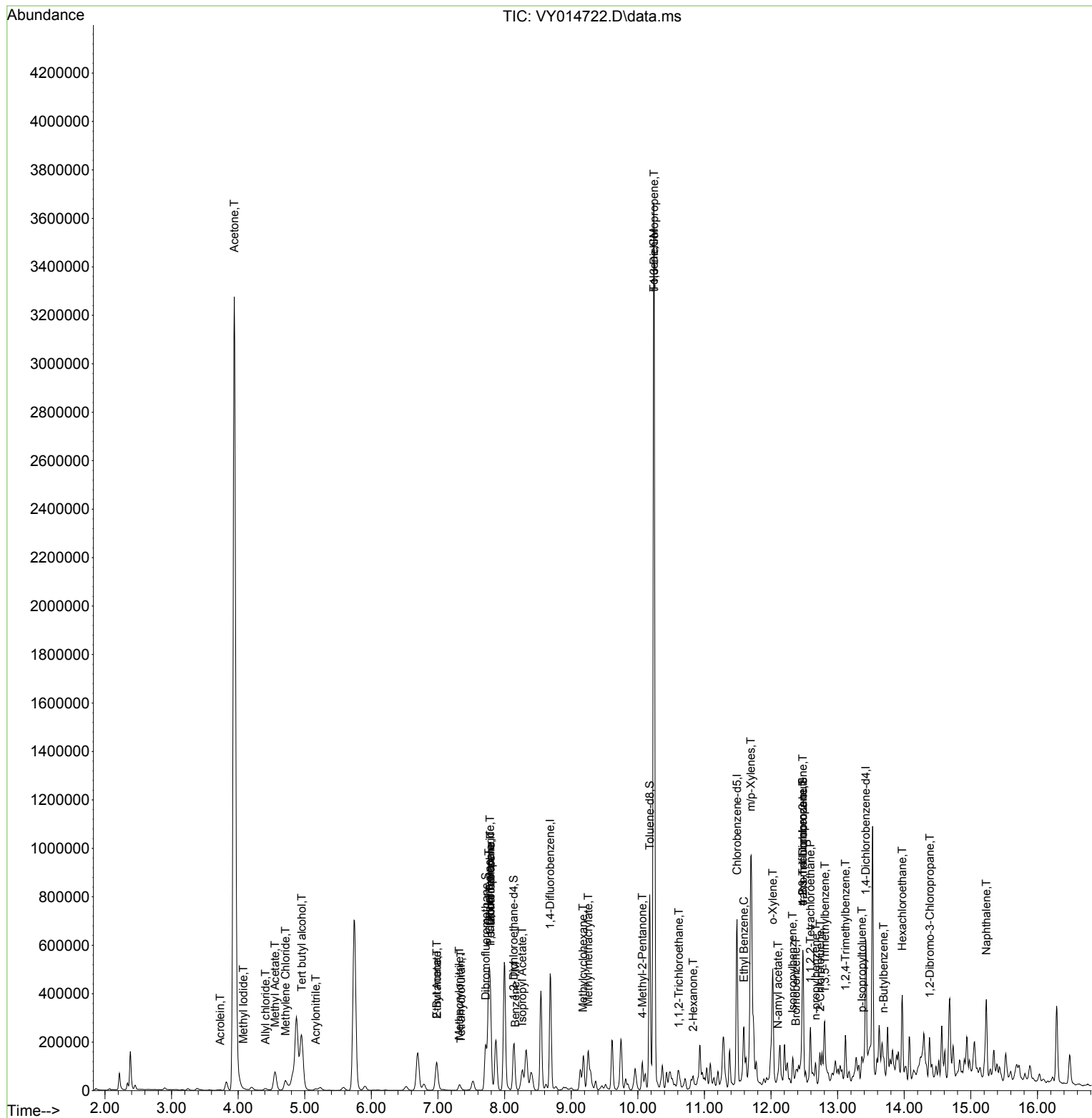
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 104953   | 11.946 | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 19857    | 2.088  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.690 | 91   | 47569    | 5.141  | ug/l # | 76       |
| 90) Hexachloroethane          | 13.970 | 117  | 14234    | 7.286  | ug/l # | 8        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.385 | 75   | 473      | 1.012  | ug/l # | 13       |
| 95) Naphthalene               | 15.232 | 128  | 238523   | 36.964 | ug/l   | 99       |

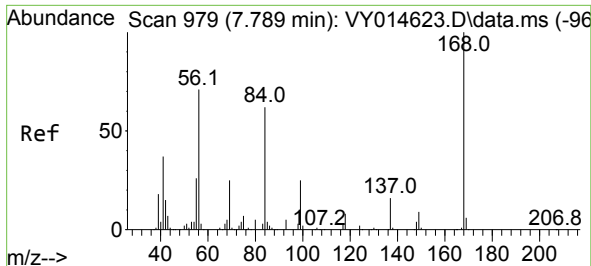
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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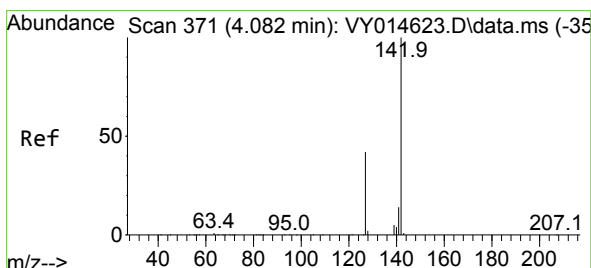
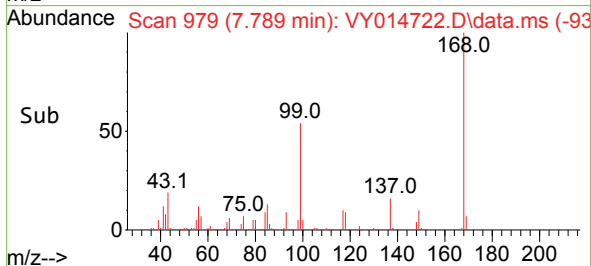
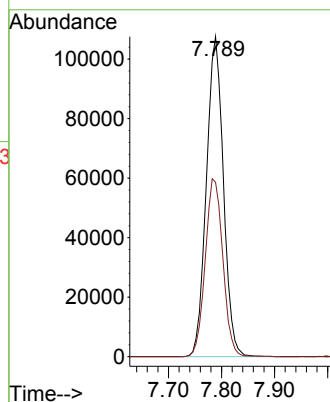
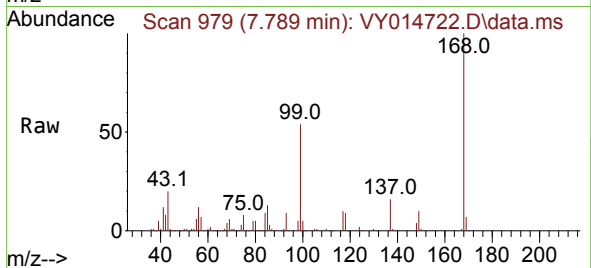




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

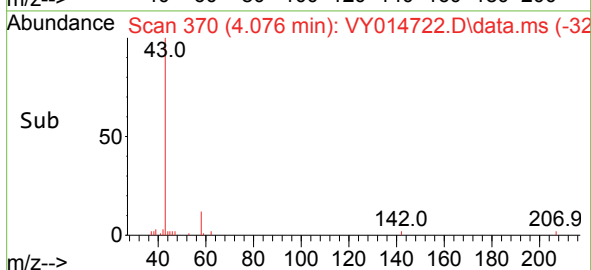
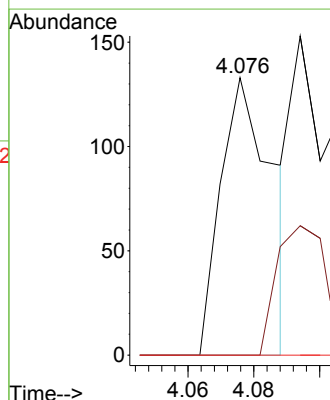
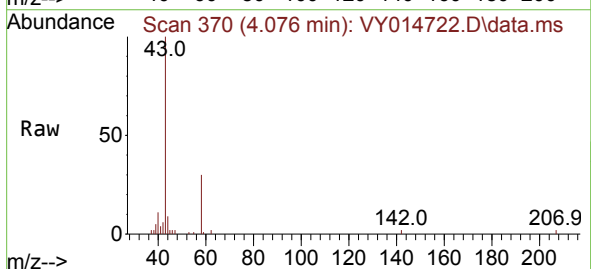
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

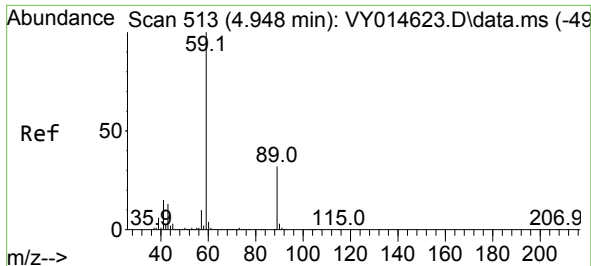
Tgt Ion:168 Resp: 239633  
Ion Ratio Lower Upper  
168 100  
99 54.5 43.4 65.0



#10  
Methyl Iodide  
Concen: 2.421 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. -0.006 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion:142 Resp: 146  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#

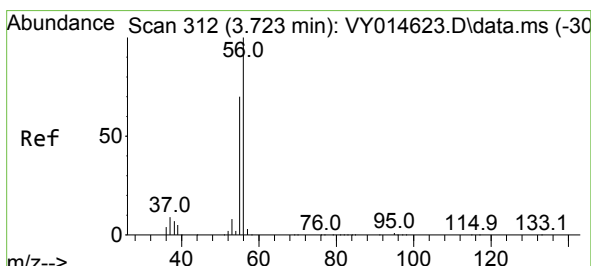
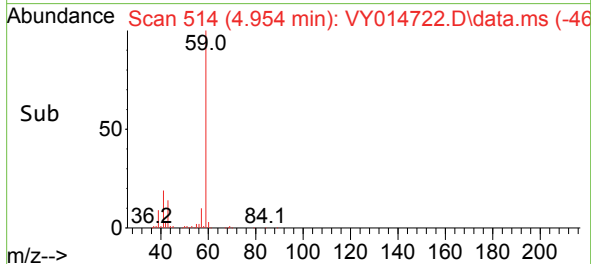
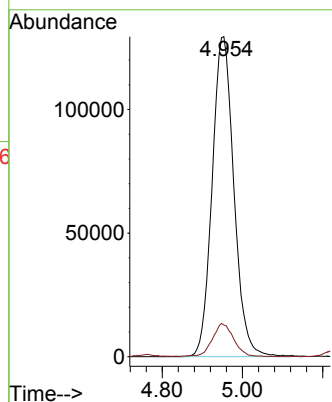
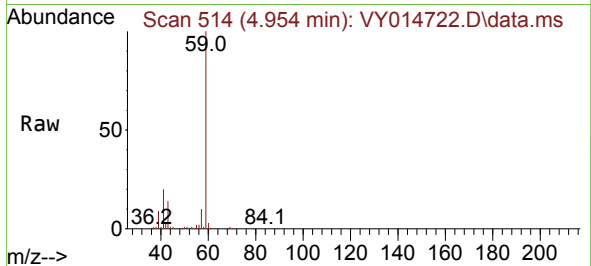




#11  
Tert butyl alcohol  
Concen: 1517.759 ug/l  
RT: 4.954 min Scan# 513  
Delta R.T. 0.006 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

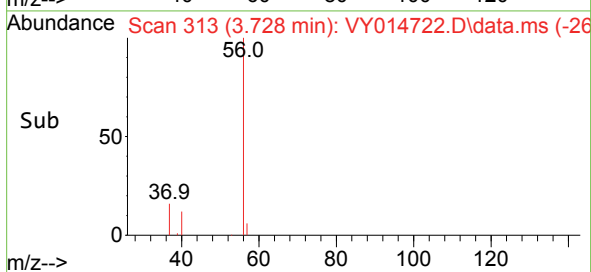
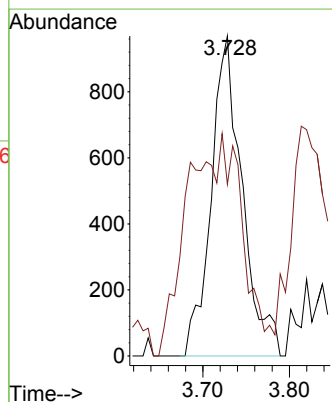
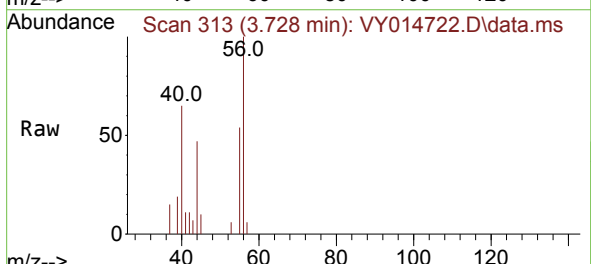
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

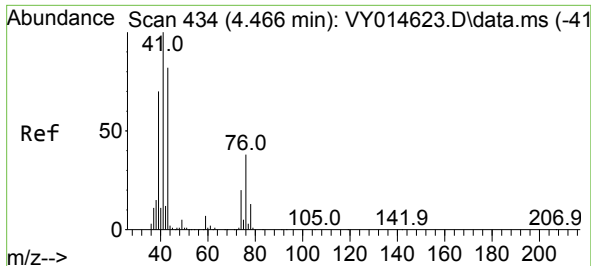
Tgt Ion: 59 Resp: 486608  
Ion Ratio Lower Upper  
59 100  
57 10.1 3.0 4.4#



#13  
Acrolein  
Concen: 8.440 ug/l  
RT: 3.728 min Scan# 313  
Delta R.T. 0.005 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 56 Resp: 2409  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.0 85.4#

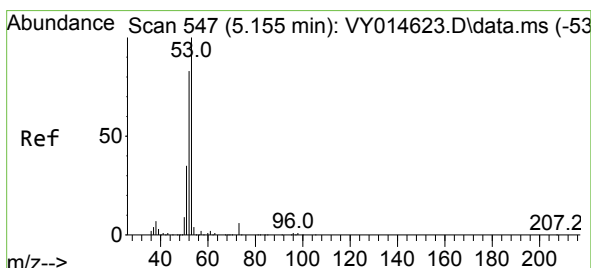
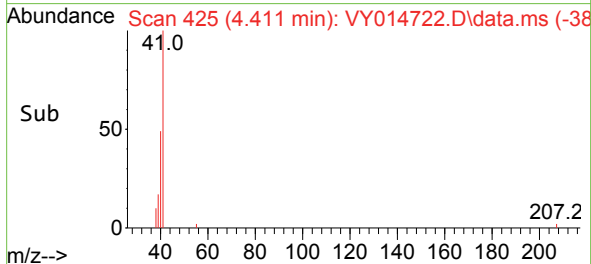
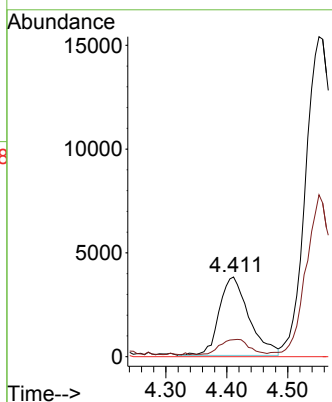
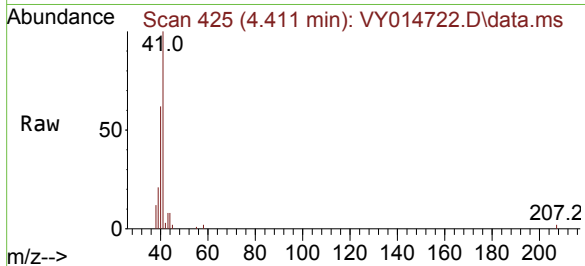




#14  
 Allyl chloride  
 Concen: 3.050 ug/l  
 RT: 4.411 min Scan# 41  
 Delta R.T. -0.055 min  
 Lab File: VY014722.D  
 Acq: 20 Jul 2023 15:41

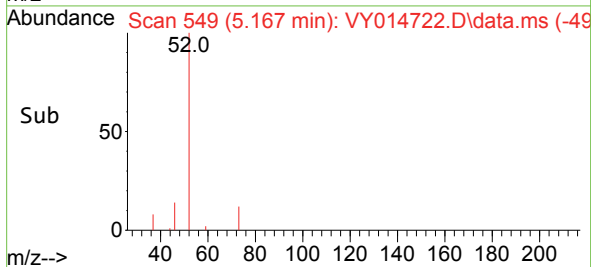
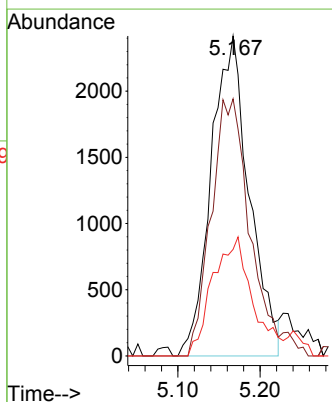
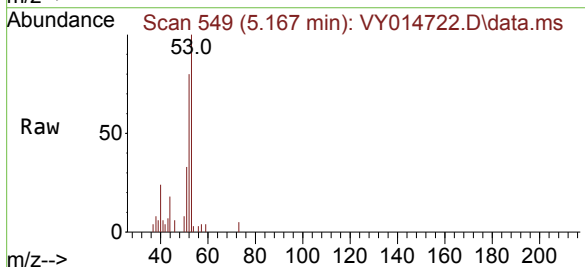
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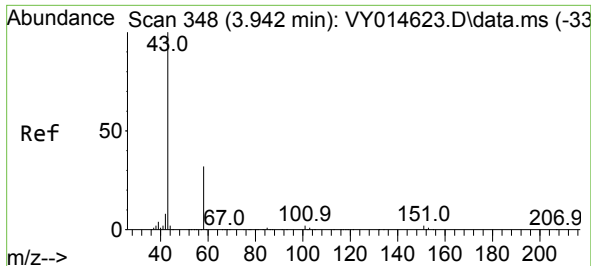
Tgt Ion: 41 Resp: 12780  
 Ion Ratio Lower Upper  
 41 100  
 39 18.1 58.0 87.0#  
 76 0.0 27.4 41.2#



#15  
 Acrylonitrile  
 Concen: 9.229 ug/l  
 RT: 5.167 min Scan# 549  
 Delta R.T. 0.012 min  
 Lab File: VY014722.D  
 Acq: 20 Jul 2023 15:41

Tgt Ion: 53 Resp: 7800  
 Ion Ratio Lower Upper  
 53 100  
 52 82.9 66.9 100.3  
 51 38.7 29.8 44.6

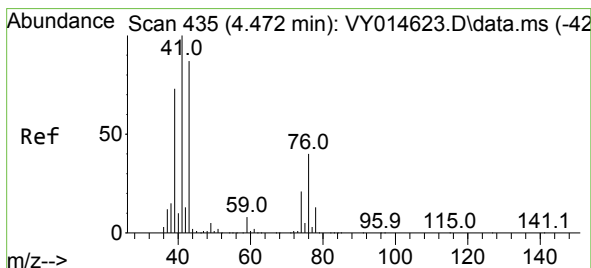
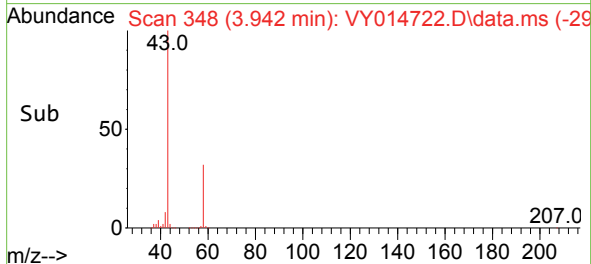
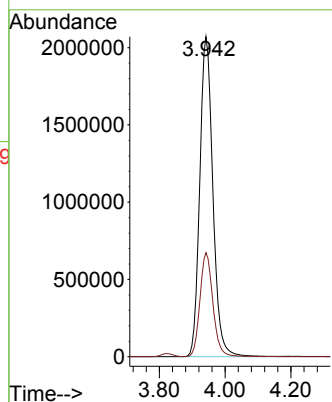
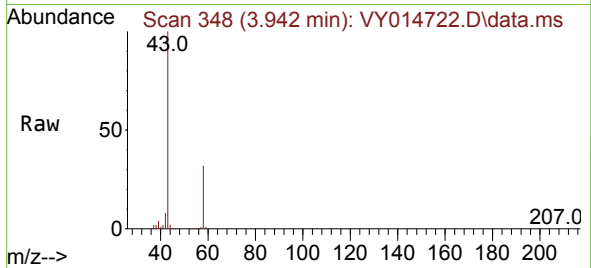




#16  
Acetone  
Concen: 6634.630 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

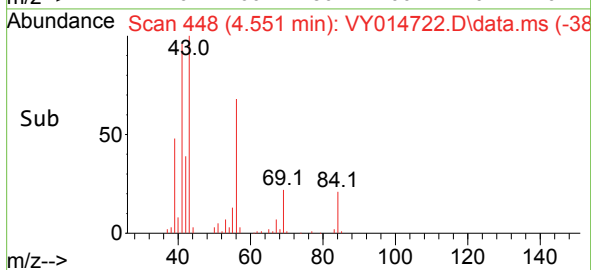
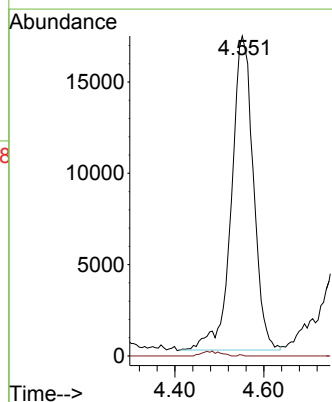
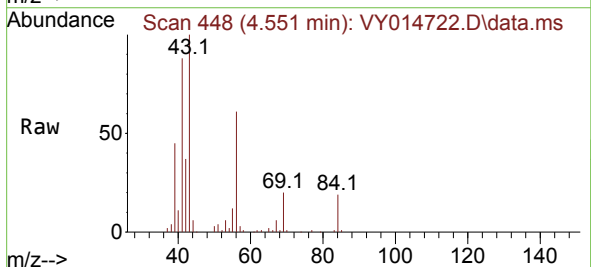
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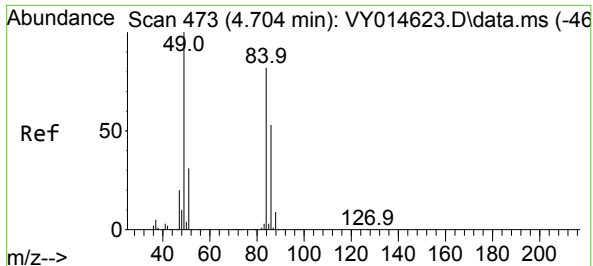
Tgt Ion: 43 Resp: 5741136  
Ion Ratio Lower Upper  
43 100  
58 32.5 22.7 34.1



#18  
Methyl Acetate  
Concen: 17.694 ug/l  
RT: 4.551 min Scan# 448  
Delta R.T. 0.079 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 43 Resp: 58757  
Ion Ratio Lower Upper  
43 100  
74 0.1 17.4 26.0#



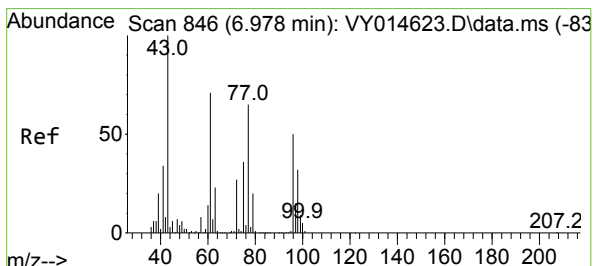
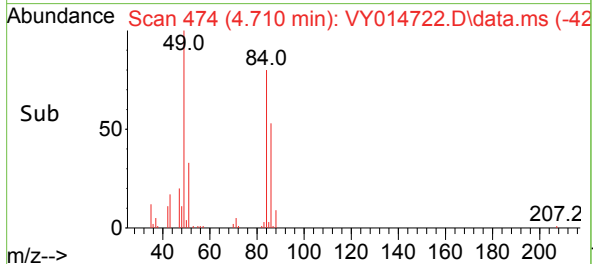
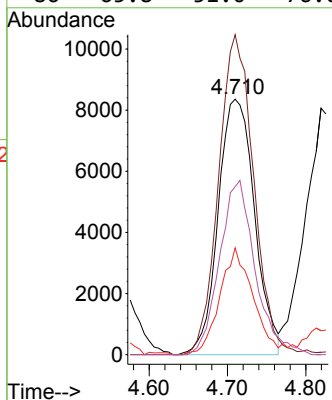
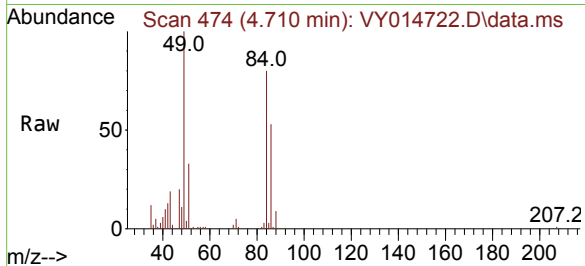


#20  
Methylene Chloride  
Concen: 5.894 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

Tgt Ion: 84 Resp: 27040

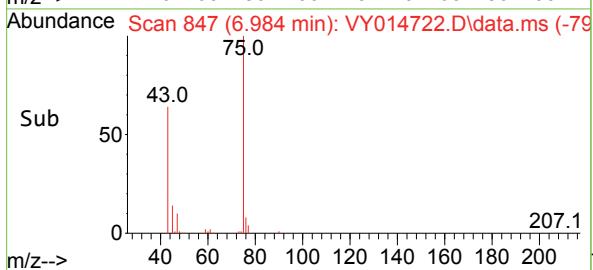
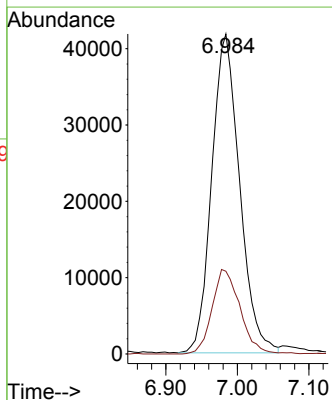
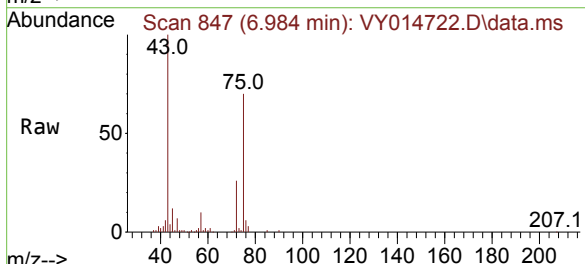
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 125.3 | 106.9 | 160.3 |
| 51  | 41.9  | 33.2  | 49.8  |
| 86  | 65.8  | 51.0  | 76.6  |

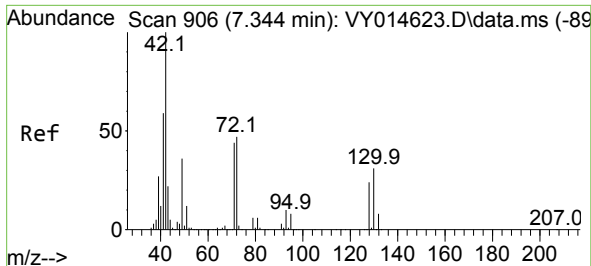


#25  
2-Butanone  
Concen: 89.302 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 43 Resp: 113054

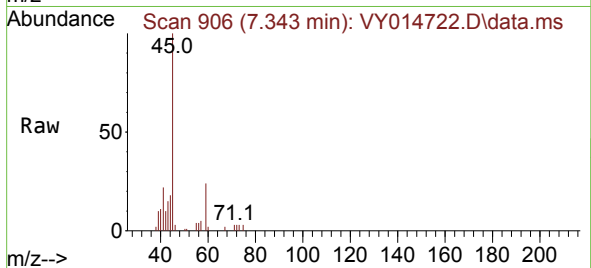
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.0  | 20.5  | 30.7  |



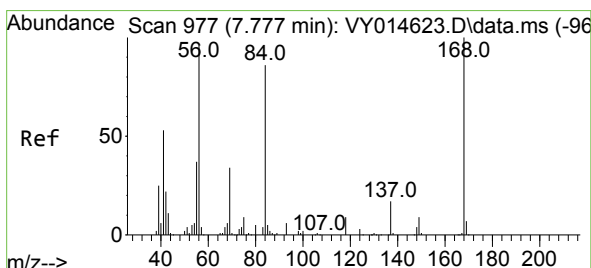
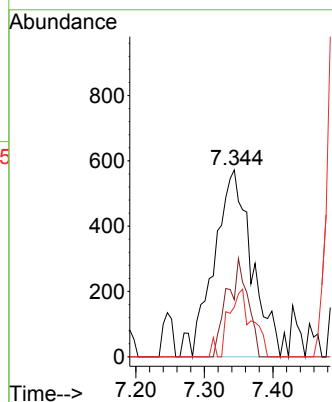
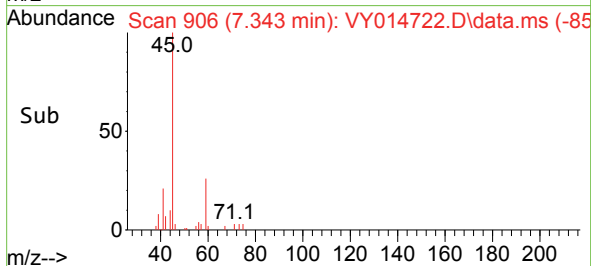


#29  
Tetrahydrofuran  
Concen: 2.808 ug/l  
RT: 7.343 min Scan# 906  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

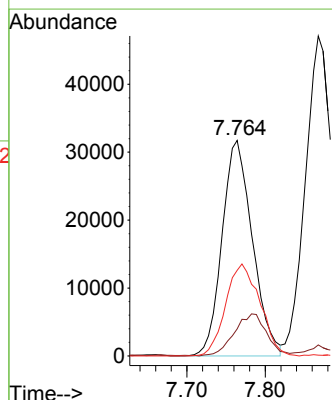
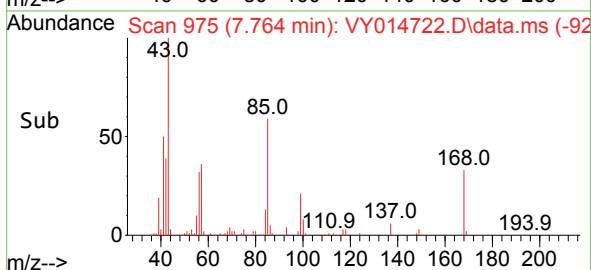
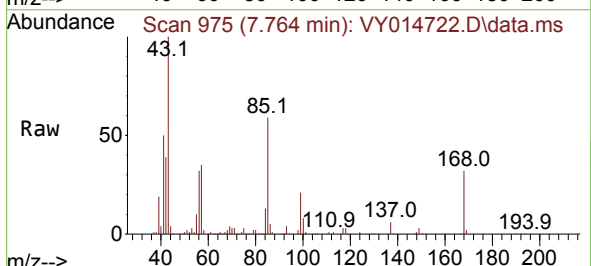


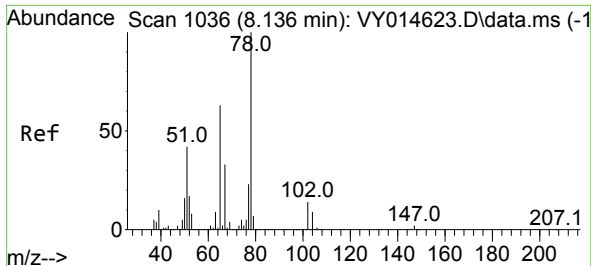
Tgt Ion: 42 Resp: 2189  
Ion Ratio Lower Upper  
42 100  
72 28.8 32.8 49.2#  
71 0.0 31.0 46.4#



#31  
Cyclohexane  
Concen: 18.882 ug/l  
RT: 7.764 min Scan# 975  
Delta R.T. -0.013 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 56 Resp: 85594  
Ion Ratio Lower Upper  
56 100  
69 12.3 27.8 41.6#  
84 39.7 66.4 99.6#

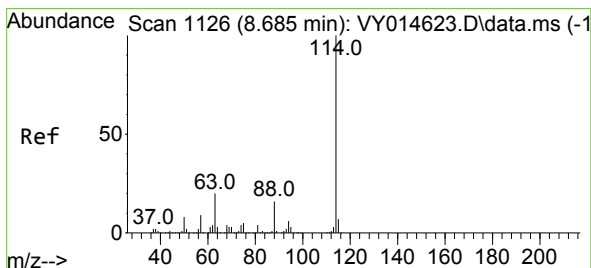
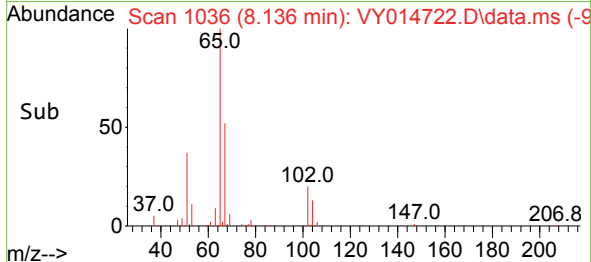
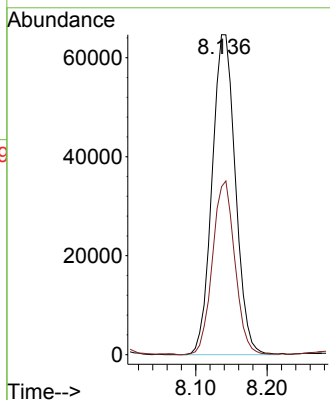
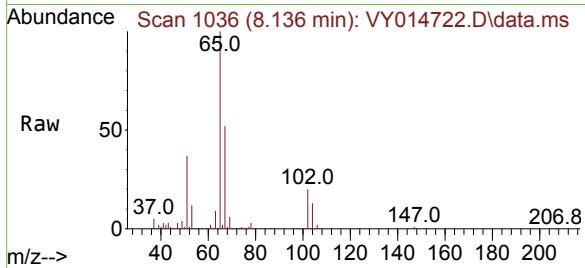




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.670 ug/l  
 RT: 8.136 min Scan# 1036  
 Delta R.T. 0.000 min  
 Lab File: VY014722.D  
 Acq: 20 Jul 2023 15:41

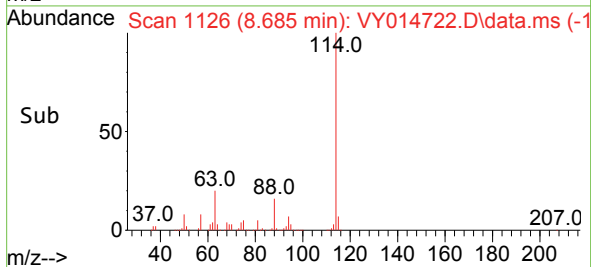
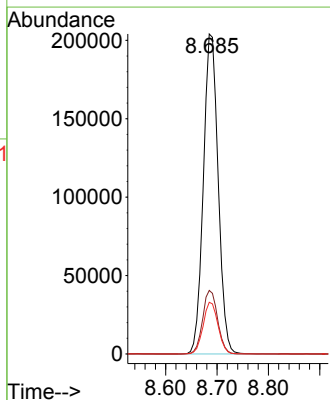
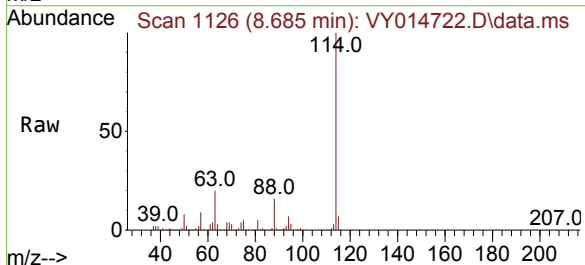
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AUD-1021-1020-COMP

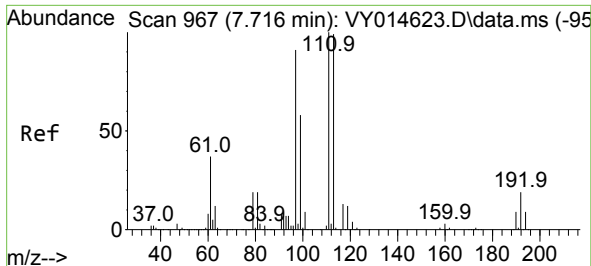
Tgt Ion: 65 Resp: 146557  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: VY014722.D  
 Acq: 20 Jul 2023 15:41

Tgt Ion: 114 Resp: 407775  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 42.4  
 88 16.2 0.0 30.6

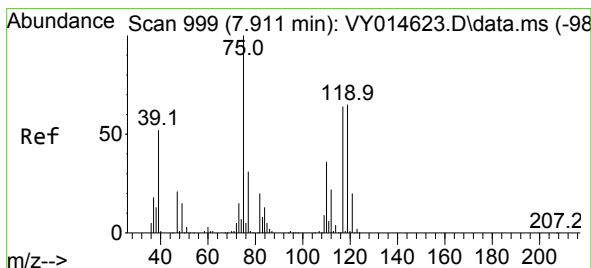
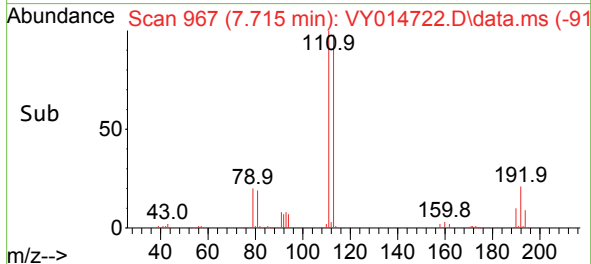
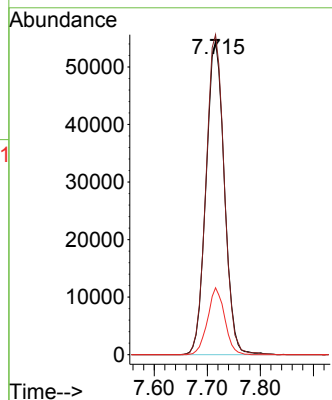
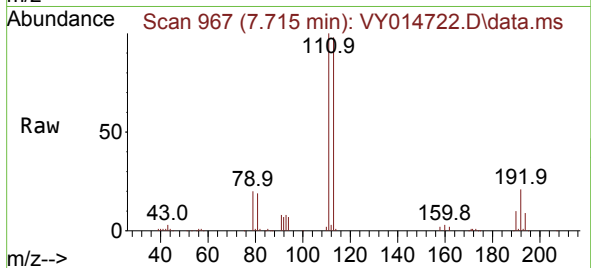




#35  
Dibromofluoromethane  
Concen: 50.318 ug/l  
RT: 7.715 min Scan# 911  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

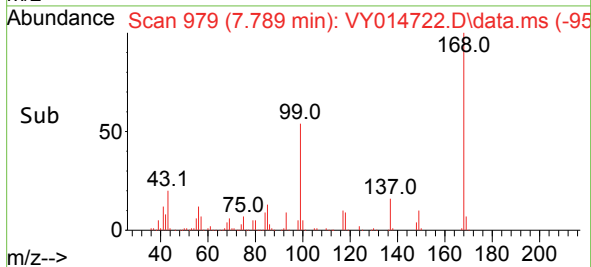
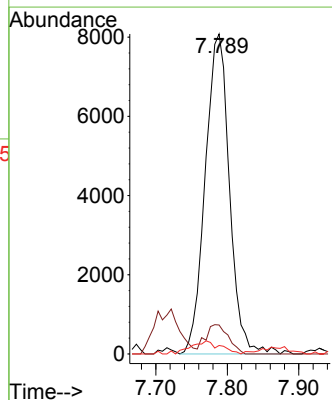
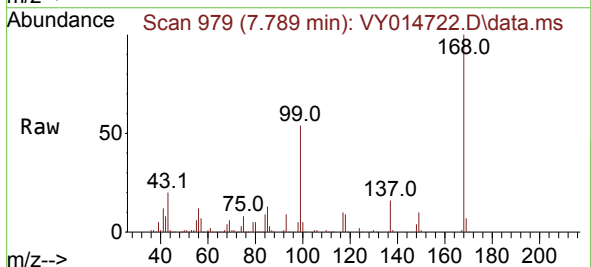
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

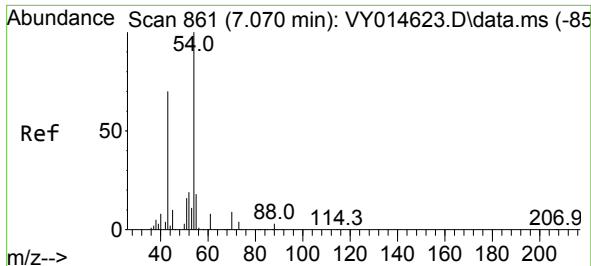
Tgt Ion:113 Resp: 130615  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.3 121.9  
192 20.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.902 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 75 Resp: 19028  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.8 53.5#  
77 5.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 42.300 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY014722.D

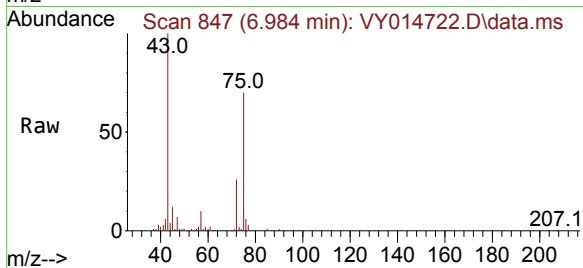
Acq: 20 Jul 2023 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

AUD-1021-1020-COMP



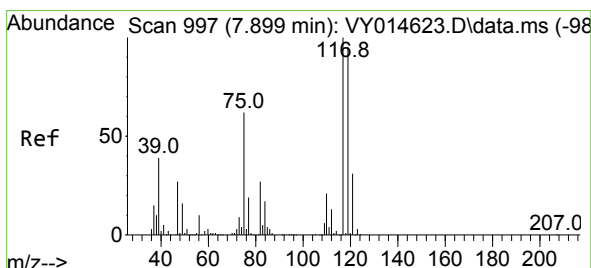
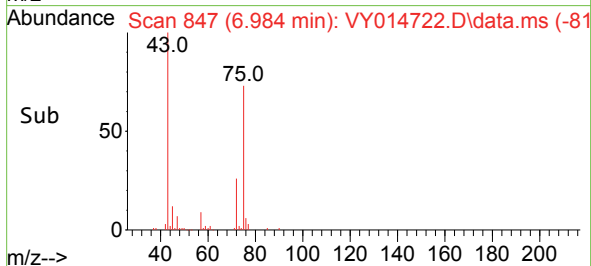
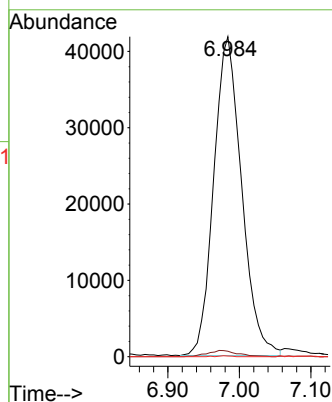
Tgt Ion: 43 Resp: 113054

Ion Ratio Lower Upper

43 100

61 2.1 10.1 15.1#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.783 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.117 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

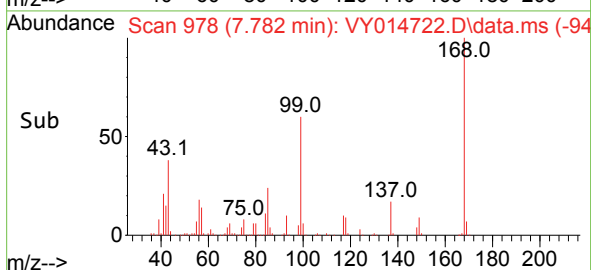
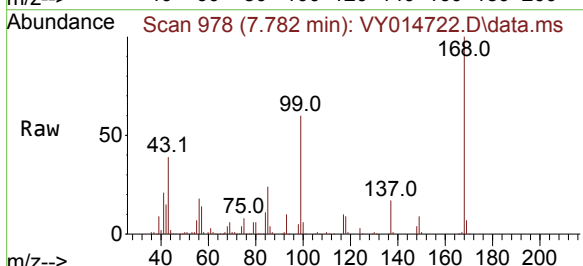
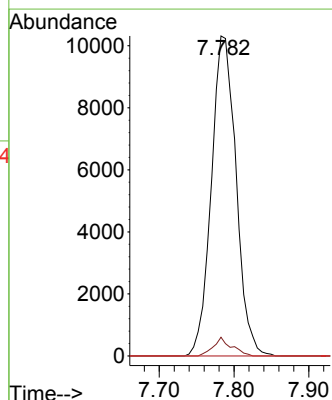
Tgt Ion: 117 Resp: 23730

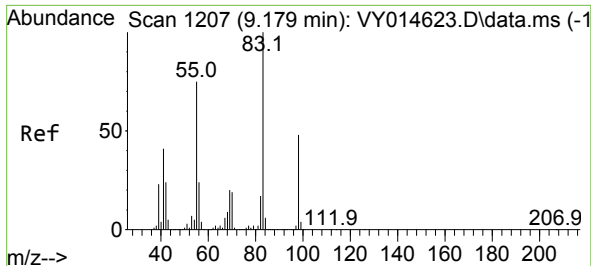
Ion Ratio Lower Upper

117 100

119 5.8 76.4 114.6#

121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 7.940 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

AUD-1021-1020-COMP

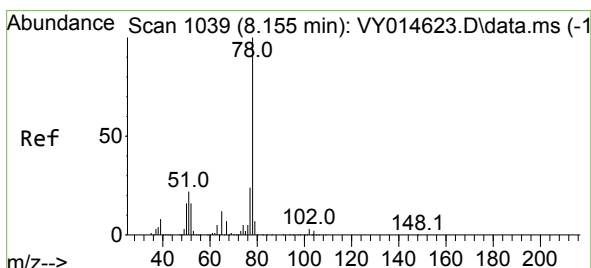
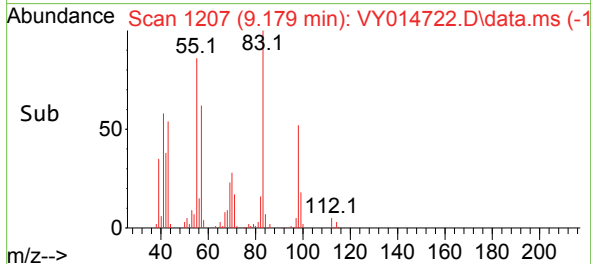
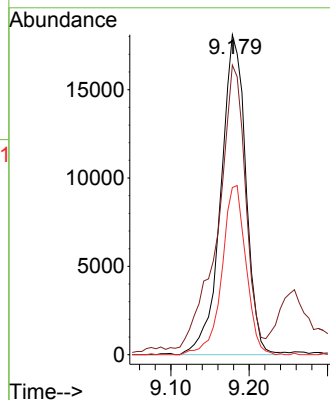
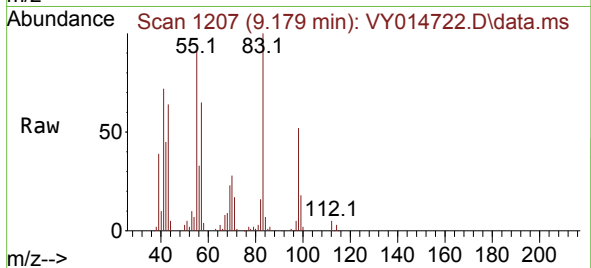
Tgt Ion: 83 Resp: 40154

Ion Ratio Lower Upper

83 100

55 88.1 63.0 94.4

98 52.2 37.4 56.2



#40

Benzene

Concen: 1.191 ug/l

RT: 8.160 min Scan# 1040

Delta R.T. 0.005 min

Lab File: VY014722.D

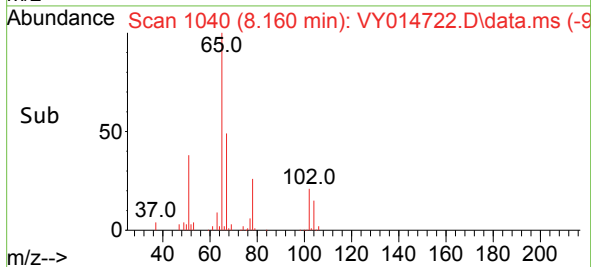
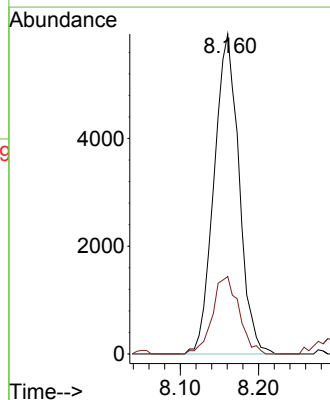
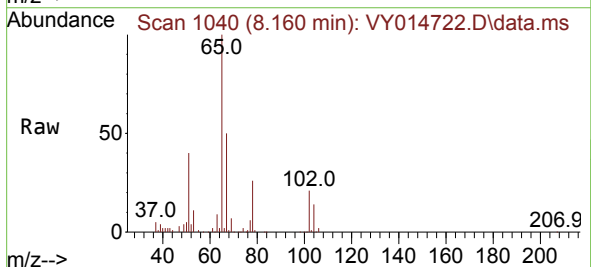
Acq: 20 Jul 2023 15:41

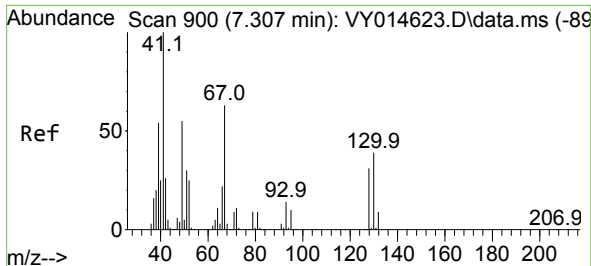
Tgt Ion: 78 Resp: 13145

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6

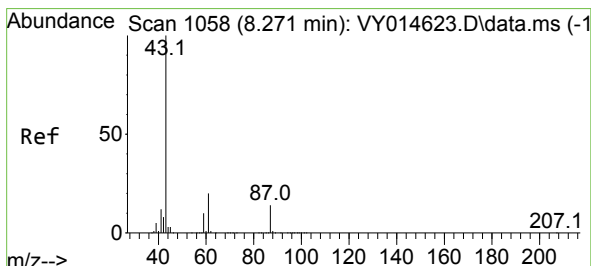
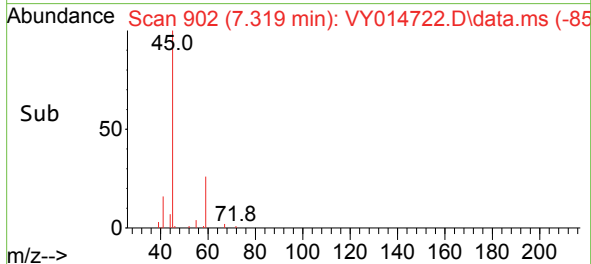
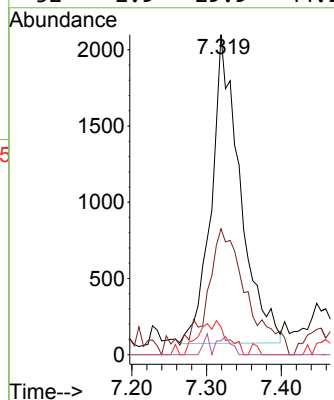
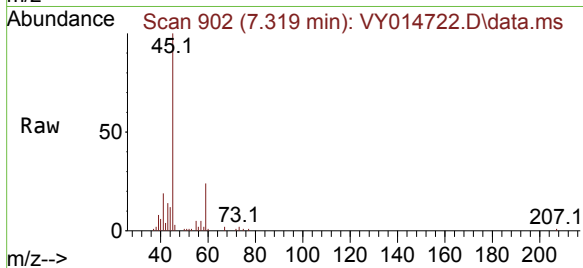




#41  
Methacrylonitrile  
Concen: 3.935 ug/l  
RT: 7.319 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

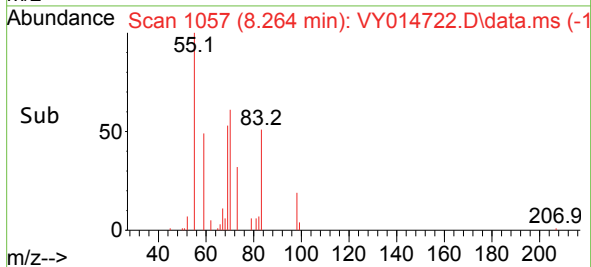
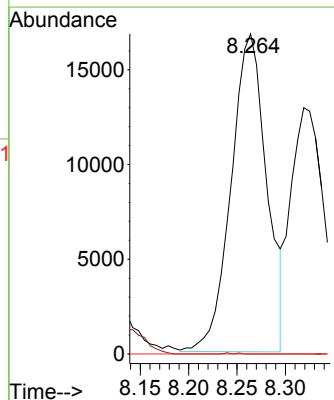
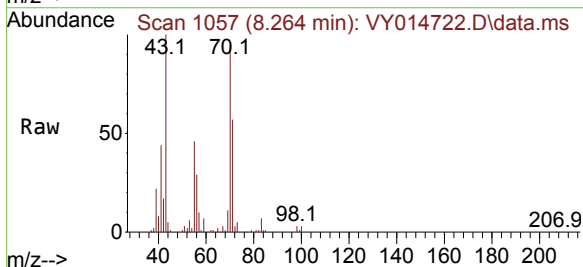
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

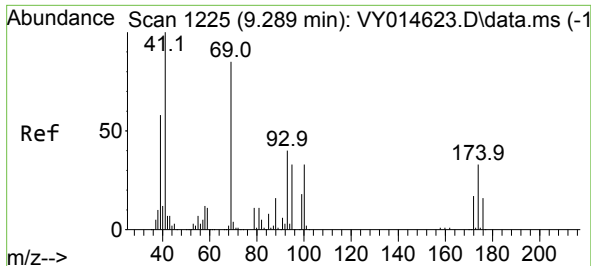
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 5410  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.4  | 52.1  | 78.1  |
| 67       | 10.8  | 66.2  | 99.2# |
| 52       | 2.9   | 29.9  | 44.9# |



#43  
Isopropyl Acetate  
Concen: 8.454 ug/l  
RT: 8.264 min Scan# 1057  
Delta R.T. -0.007 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 43040 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 21.1  | 31.7# |
| 87       | 0.0   | 9.8   | 14.8# |

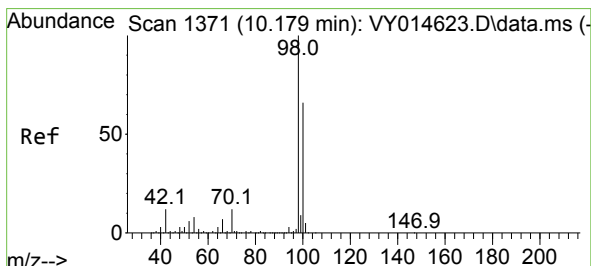
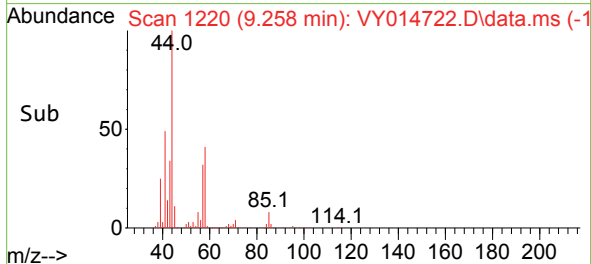
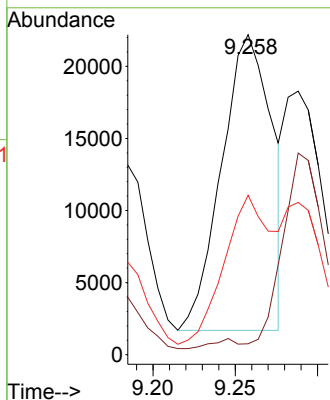
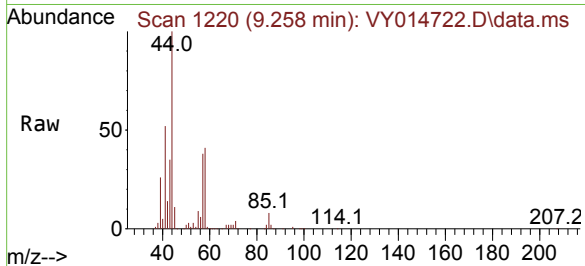




#48  
Methyl methacrylate  
Concen: 19.083 ug/l  
RT: 9.258 min Scan# 11  
Delta R.T. -0.031 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

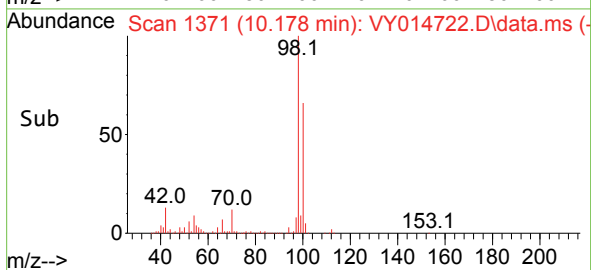
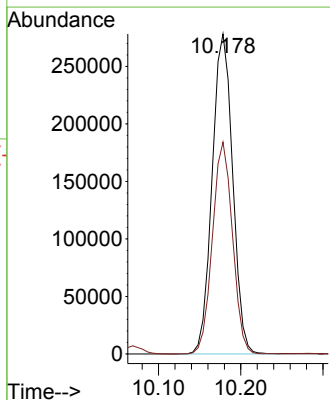
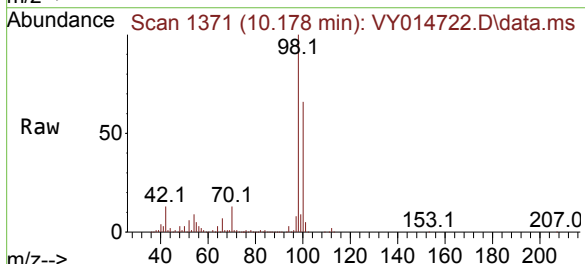
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

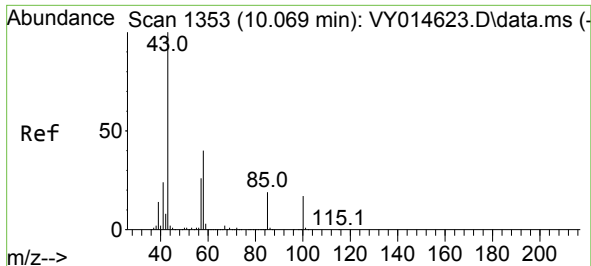
Tgt Ion: 41 Resp: 43718  
Ion Ratio Lower Upper  
41 100  
69 3.1 64.5 96.7#  
39 52.4 50.8 76.2



#50  
Toluene-d8  
Concen: 50.293 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 98 Resp: 481311  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.1 75.1

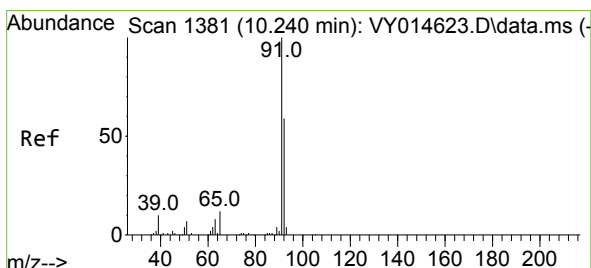
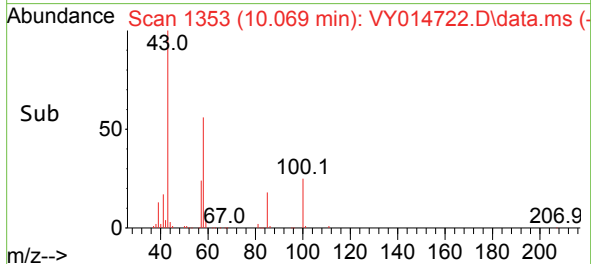
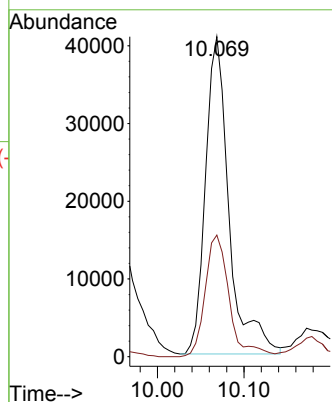
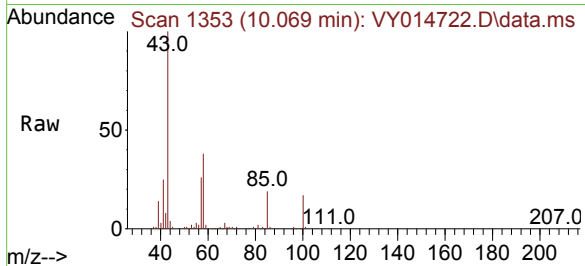




#51  
4-Methyl-2-Pentanone  
Concen: 28.911 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

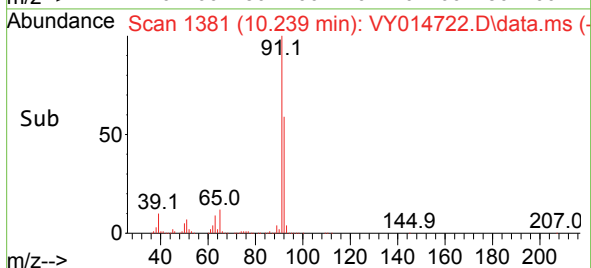
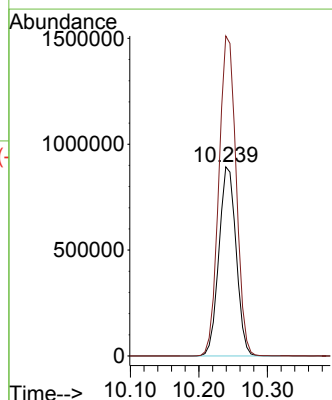
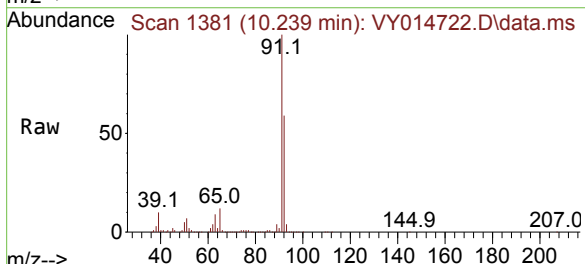
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

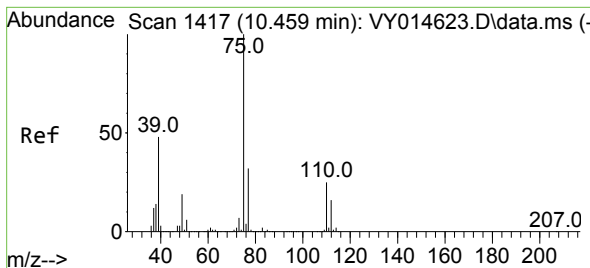
Tgt Ion: 43 Resp: 77283  
Ion Ratio Lower Upper  
43 100  
58 39.1 29.0 43.6



#52  
Toluene  
Concen: 219.681 ug/l  
RT: 10.239 min Scan# 1381  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 92 Resp: 1551992  
Ion Ratio Lower Upper  
92 100  
91 170.4 143.8 215.6

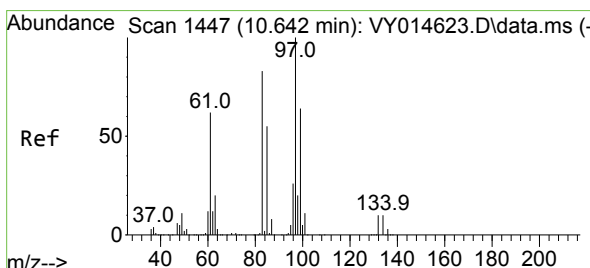
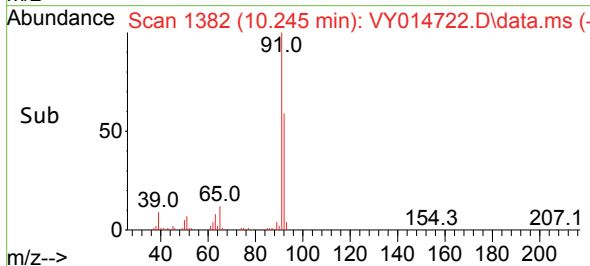
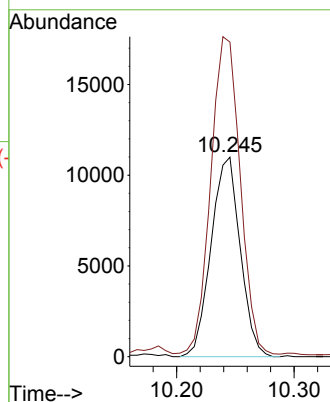
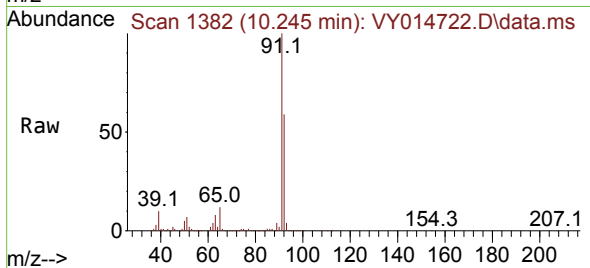




#53  
t-1,3-Dichloropropene  
Concen: 4.200 ug/l  
RT: 10.245 min Scan# 11  
Delta R.T. -0.214 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

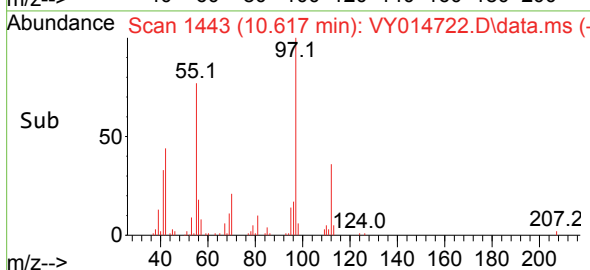
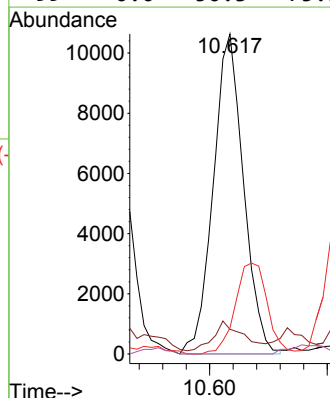
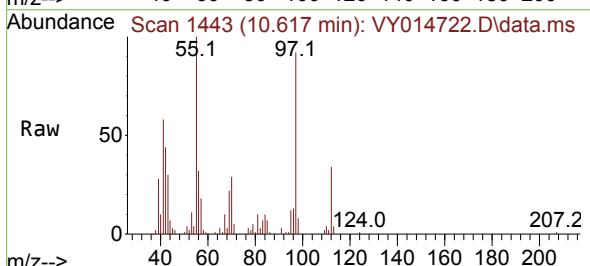
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

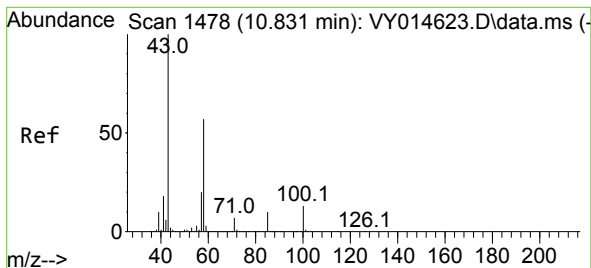
Tgt Ion: 75 Resp: 18935  
Ion Ratio Lower Upper  
75 100  
77 156.4 25.0 37.4#



#55  
1,1,2-Trichloroethane  
Concen: 7.790 ug/l  
RT: 10.617 min Scan# 1443  
Delta R.T. -0.025 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 97 Resp: 18979  
Ion Ratio Lower Upper  
97 100  
83 6.3 72.0 108.0#  
85 7.2 45.4 68.0#  
99 0.0 50.3 75.5#

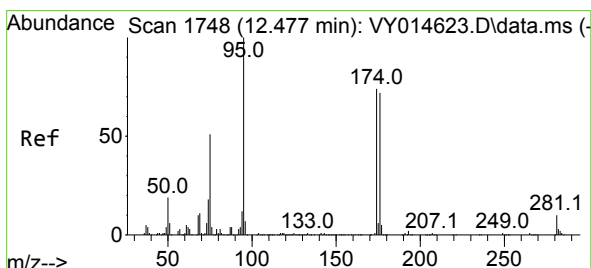
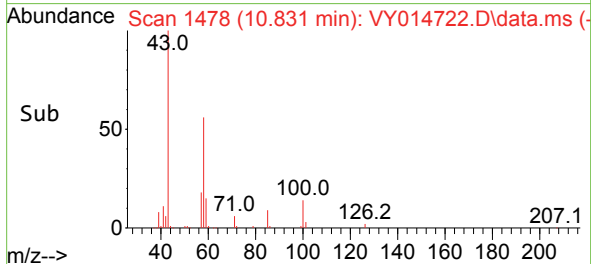
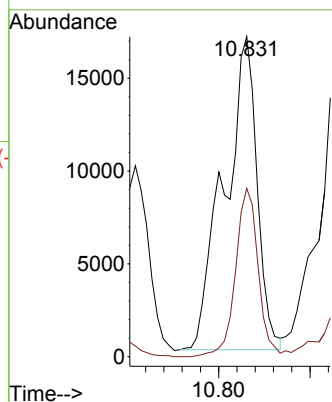
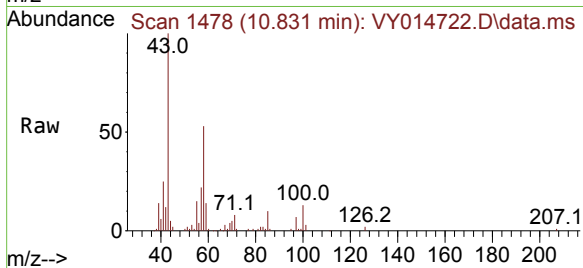




#59  
2-Hexanone  
Concen: 21.452 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

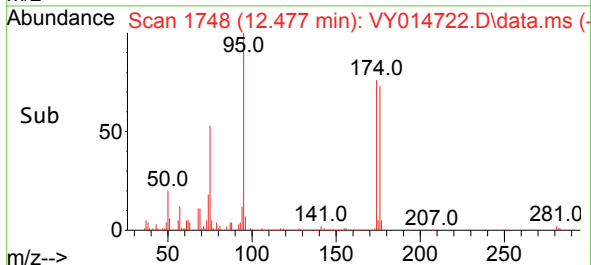
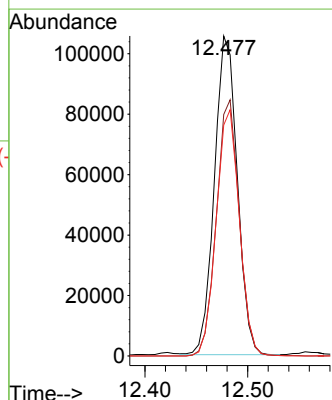
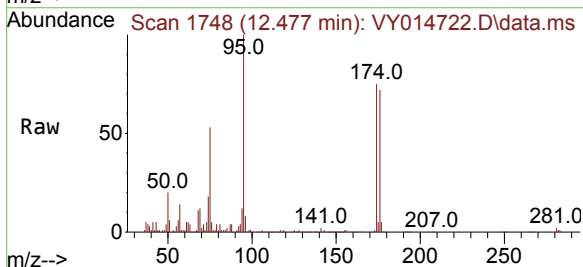
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

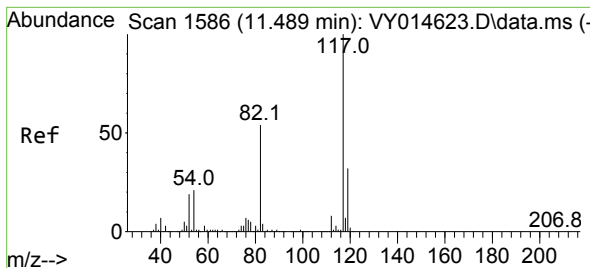
Tgt Ion: 43 Resp: 41818  
Ion Ratio Lower Upper  
43 100  
58 37.6 25.1 75.3



#62  
4-Bromofluorobenzene  
Concen: 44.416 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 95 Resp: 162987  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 178.2  
176 78.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

AUD-1021-1020-COMP

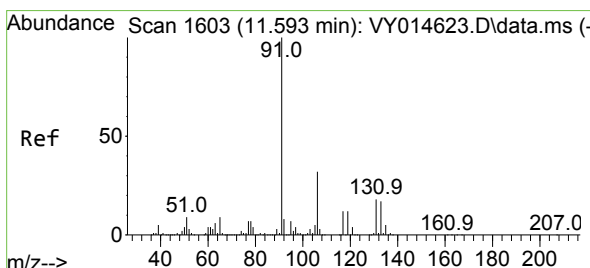
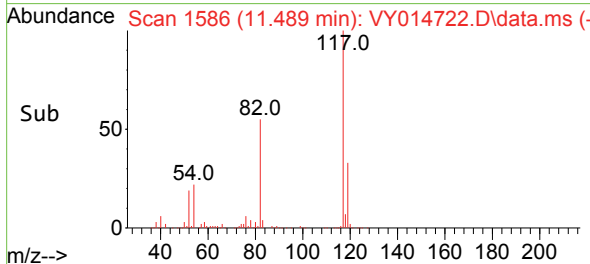
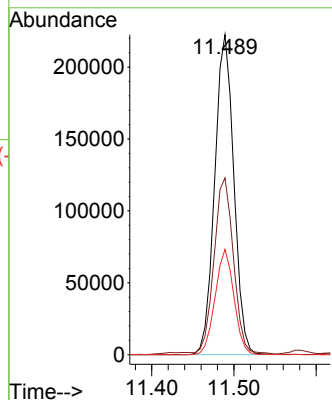
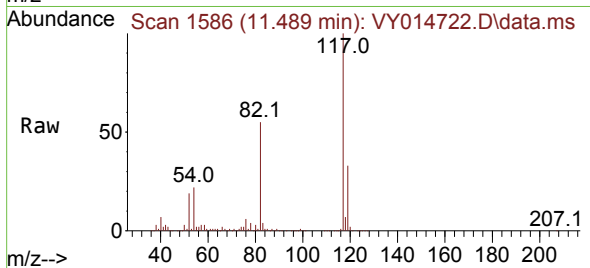
Tgt Ion:117 Resp: 359472

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 32.9 26.3 39.5



#67

Ethyl Benzene

Concen: 11.033 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY014722.D

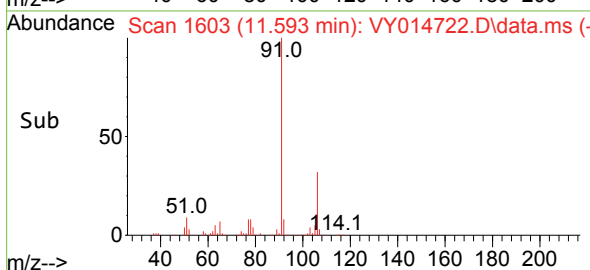
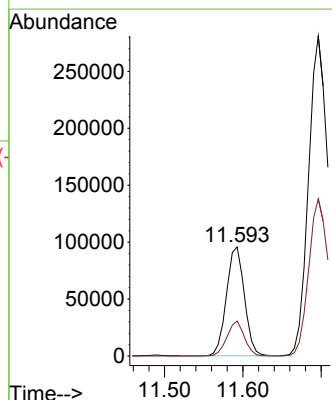
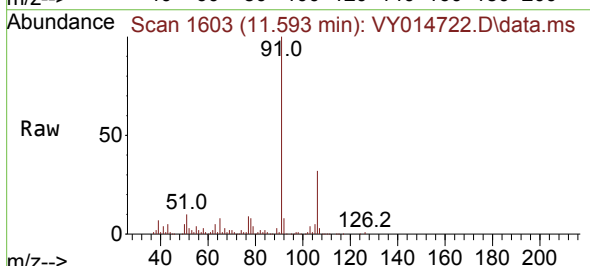
Acq: 20 Jul 2023 15:41

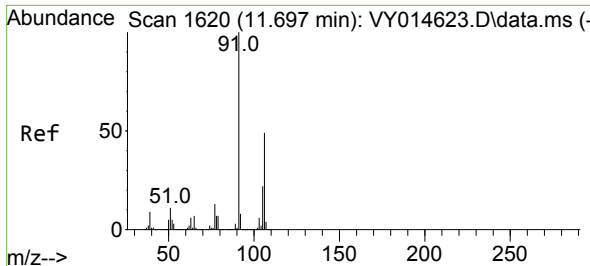
Tgt Ion: 91 Resp: 152595

Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8

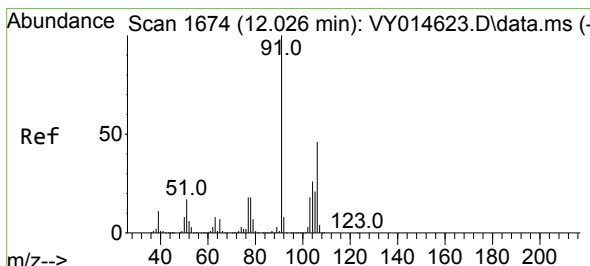
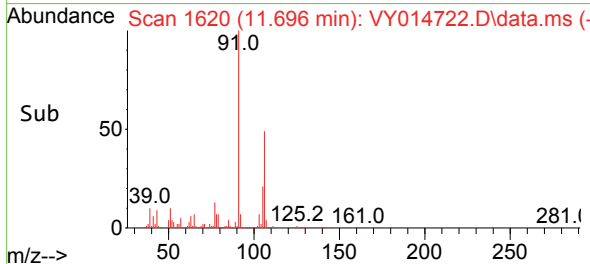
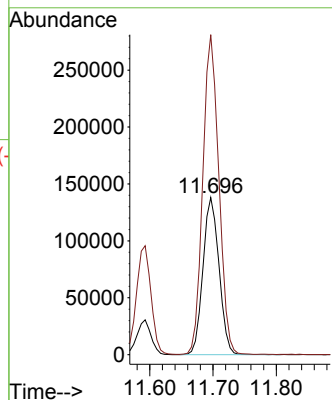
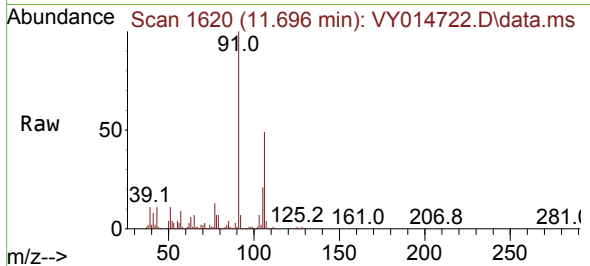




#68  
m/p-Xylenes  
Concen: 46.192 ug/l  
RT: 11.696 min Scan# 1620  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

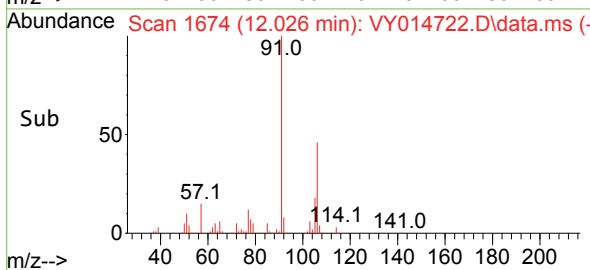
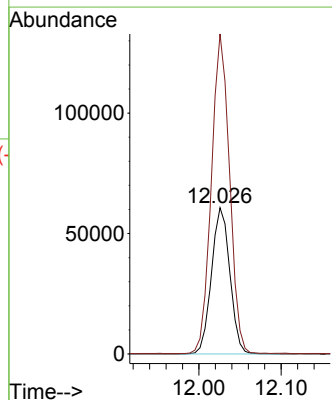
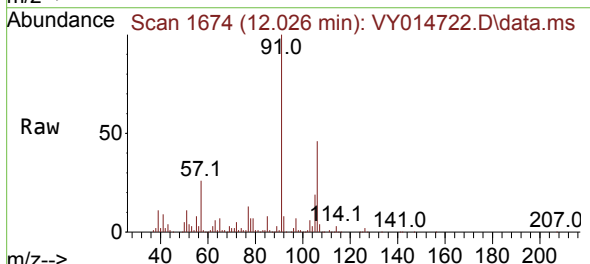
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

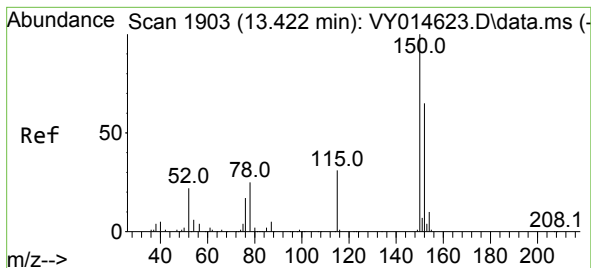
Tgt Ion:106 Resp: 243870  
Ion Ratio Lower Upper  
106 100  
91 203.3 166.1 249.1



#69  
o-Xylene  
Concen: 18.319 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion:106 Resp: 94203  
Ion Ratio Lower Upper  
106 100  
91 216.2 108.1 324.3

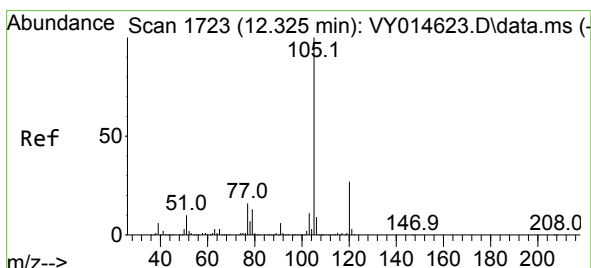
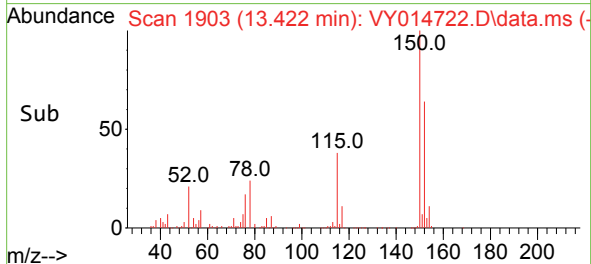
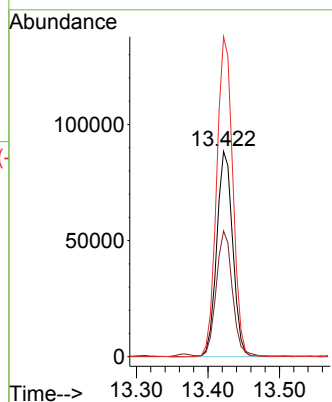
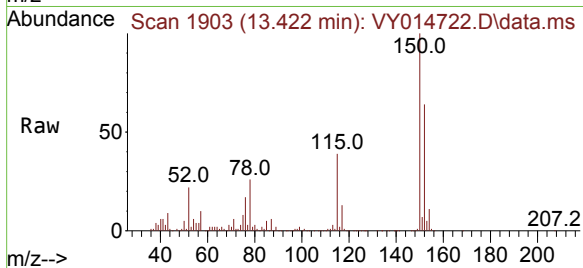




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

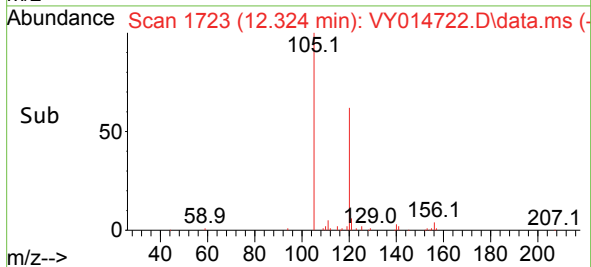
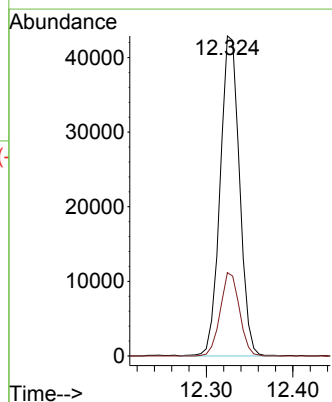
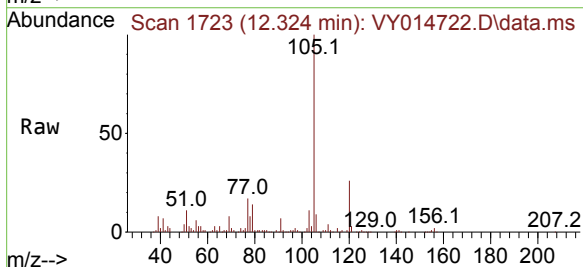
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

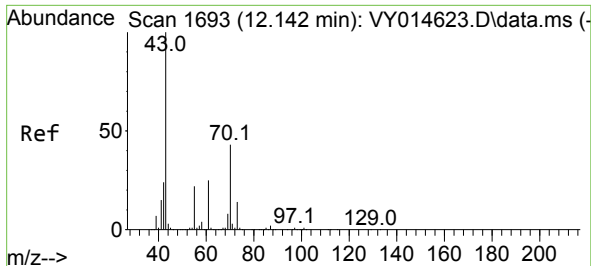
Tgt Ion:152 Resp: 136904  
Ion Ratio Lower Upper  
152 100  
115 61.4 28.8 86.5  
150 157.5 0.0 348.8



#73  
Isopropylbenzene  
Concen: 6.206 ug/l  
RT: 12.324 min Scan# 1723  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion:105 Resp: 66528  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.3 39.9

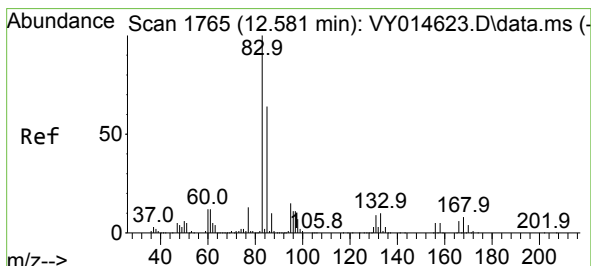
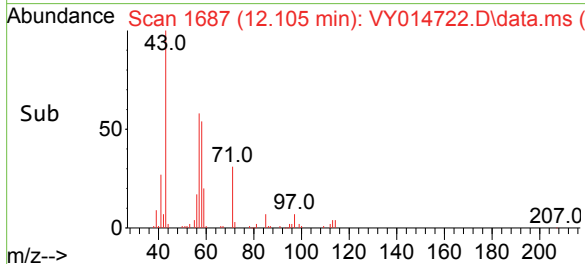
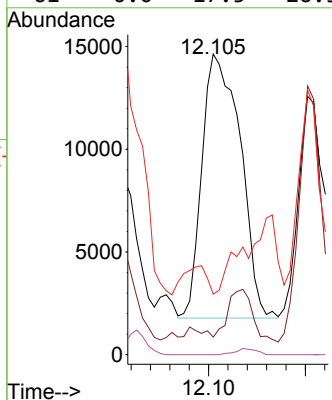
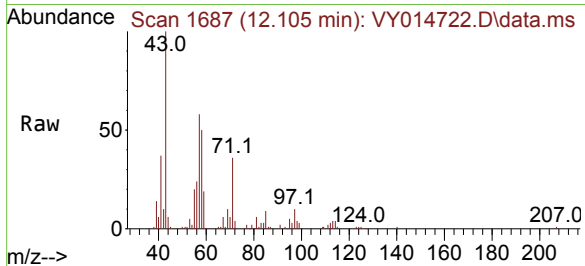




#74  
N-amy1 acetate  
Concen: 9.854 ug/l  
RT: 12.105 min Scan# 1  
Delta R.T. -0.037 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

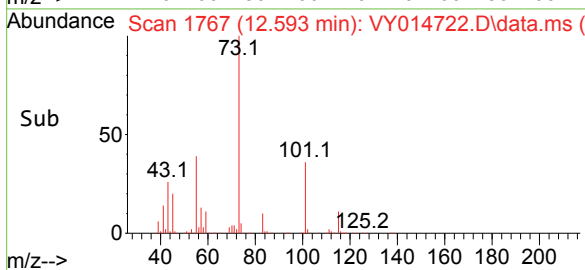
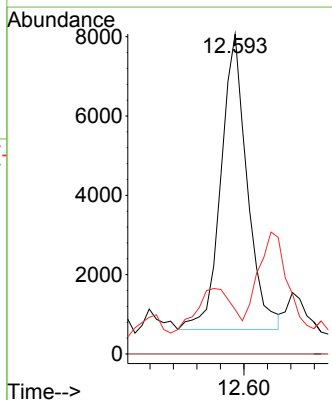
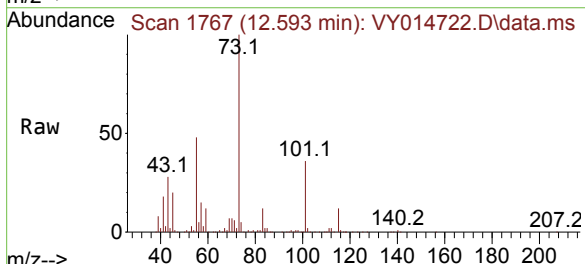
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

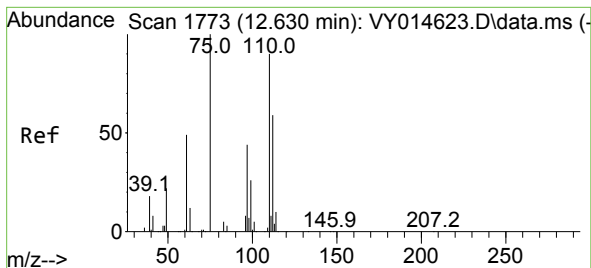
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 35378 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 0.0      | 29.7 44.5#  |
| 55 0.0      | 18.3 27.5#  |
| 61 0.0      | 17.5 26.3#  |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.723 ug/l  
RT: 12.593 min Scan# 1767  
Delta R.T. 0.012 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 11545 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 131 0.0     | 5.4 16.2#   |
| 85 21.1     | 31.8 95.4#  |

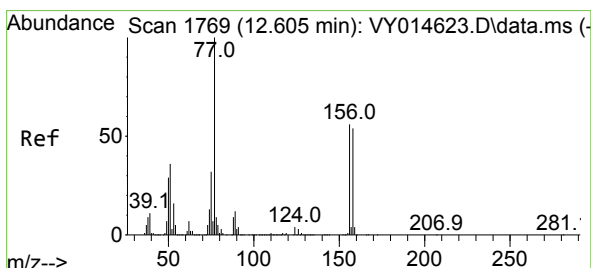
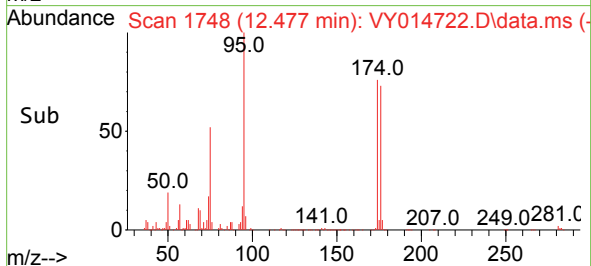
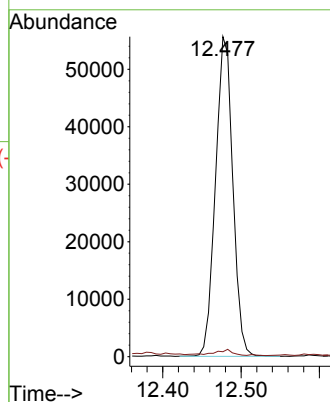
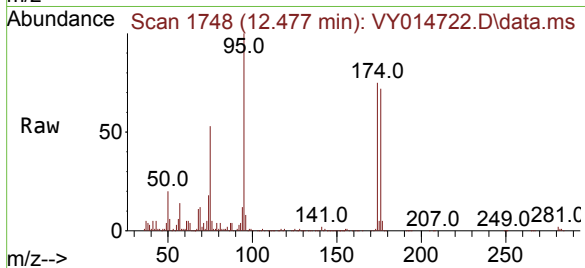




#76  
1,2,3-Trichloropropane  
Concen: 49.428 ug/l  
RT: 12.477 min Scan# 1731  
Delta R.T. -0.153 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

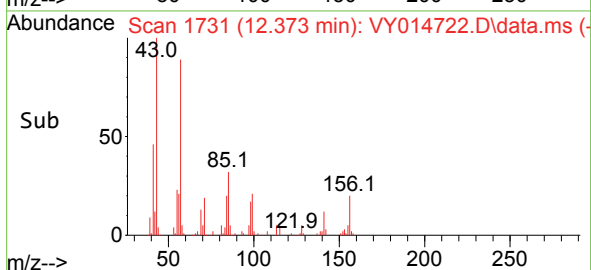
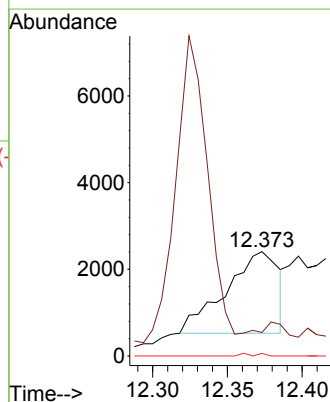
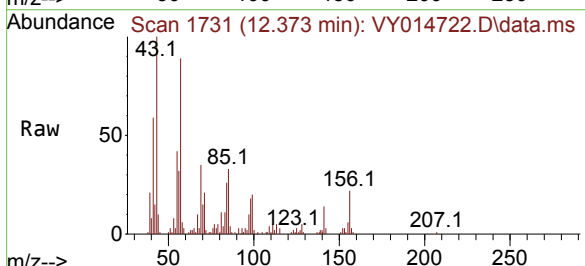
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

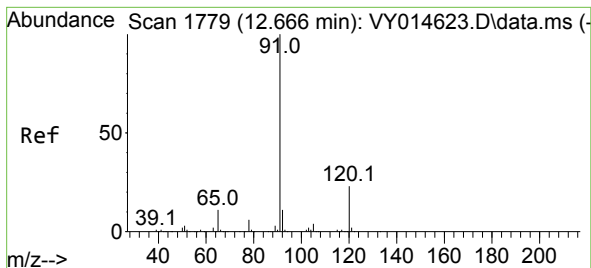
Tgt Ion: 75 Resp: 85464  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#77  
Bromobenzene  
Concen: 1.892 ug/l  
RT: 12.373 min Scan# 1731  
Delta R.T. -0.232 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion: 156 Resp: 4629  
Ion Ratio Lower Upper  
156 100  
77 7.7 92.8 278.6#  
158 1.0 48.4 145.3#





#78

n-propylbenzene

Concen: 4.812 ug/l

RT: 12.672 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

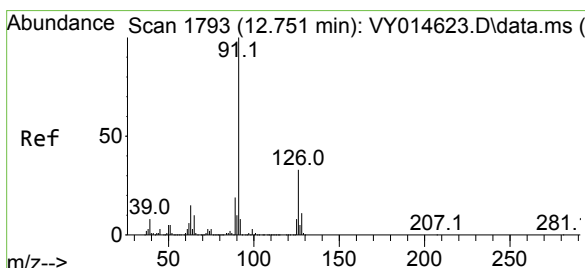
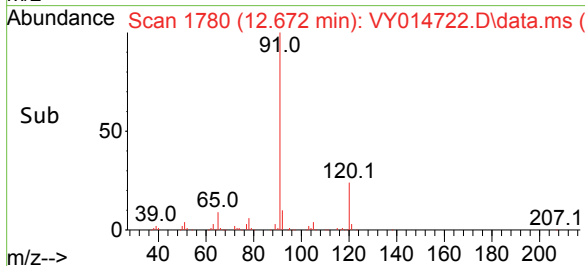
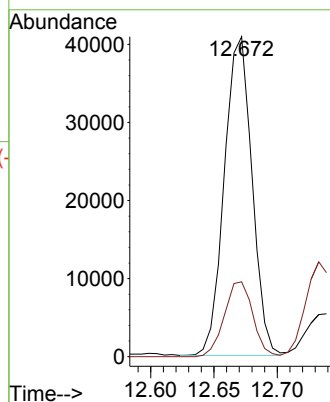
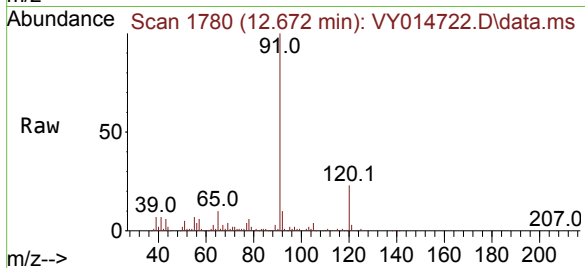
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Tgt Ion: 91 Resp: 62158

Ion Ratio Lower Upper

91 100

120 24.2 11.5 34.4



#79

2-Chlorotoluene

Concen: 1.041 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VY014722.D

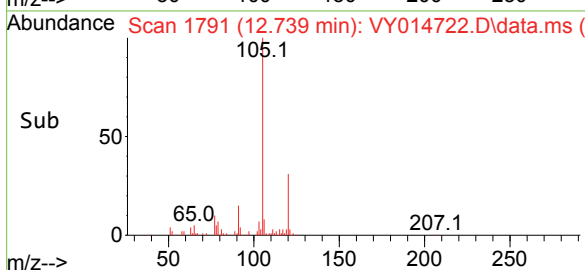
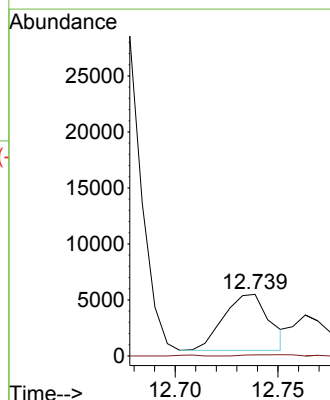
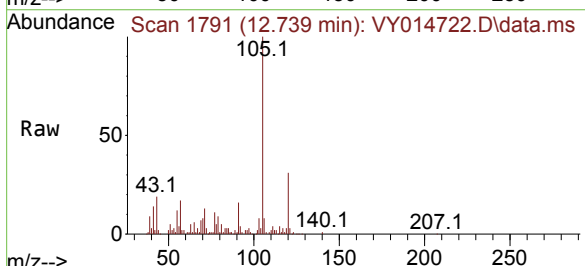
Acq: 20 Jul 2023 15:41

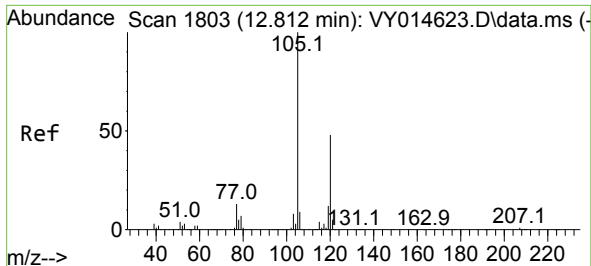
Tgt Ion: 91 Resp: 7747

Ion Ratio Lower Upper

91 100

126 2.6 17.3 51.7#

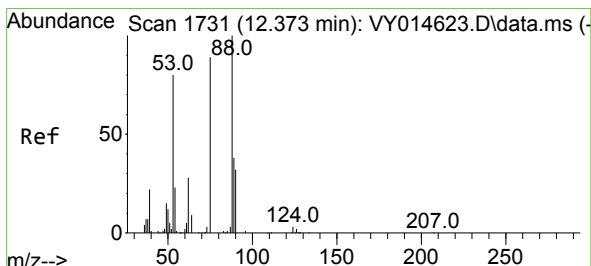
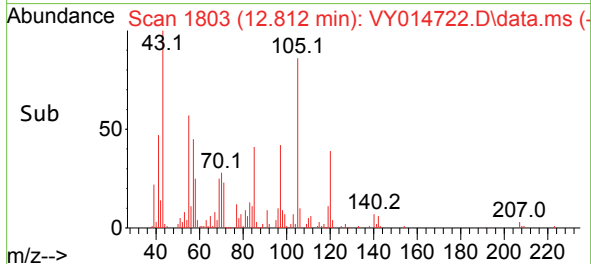
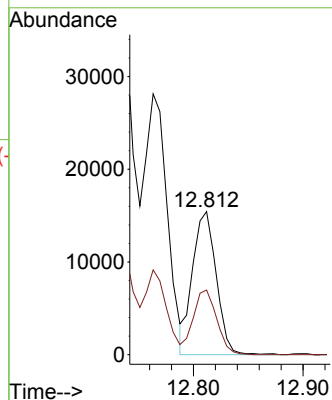
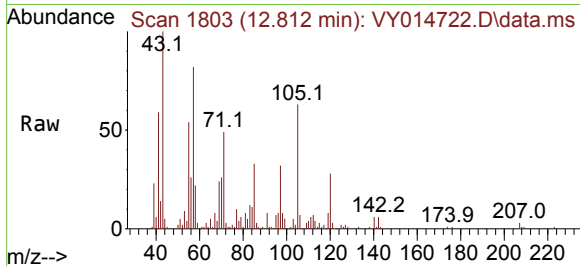




#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.596 ug/l  
 RT: 12.812 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VY014722.D  
 Acq: 20 Jul 2023 15:41

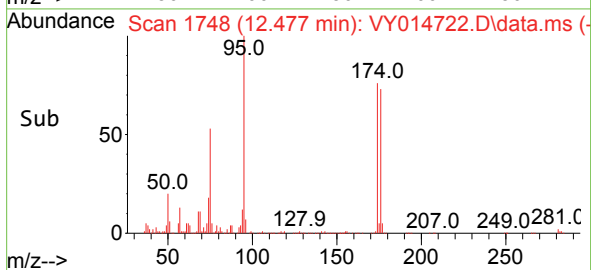
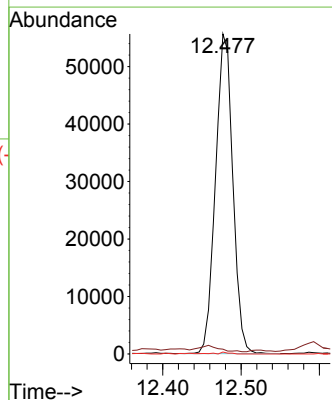
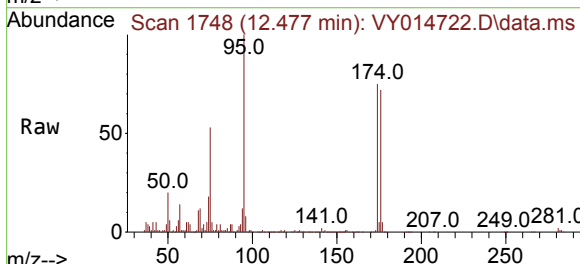
Instrument :  
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 ClientSampleId :  
 AUD-1021-1020-COMP

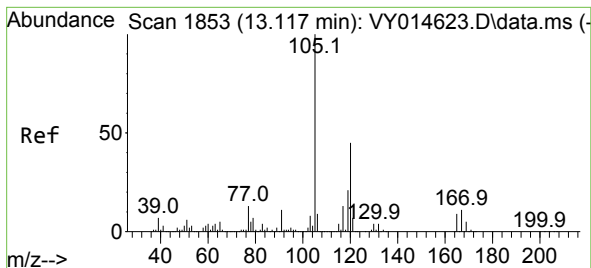
Tgt Ion:105 Resp: 23237  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 23.9 71.7



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 95.702 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. 0.104 min  
 Lab File: VY014722.D  
 Acq: 20 Jul 2023 15:41

Tgt Ion: 75 Resp: 85464  
 Ion Ratio Lower Upper  
 75 100  
 53 2.2 77.8 116.8#  
 89 0.4 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 11.946 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

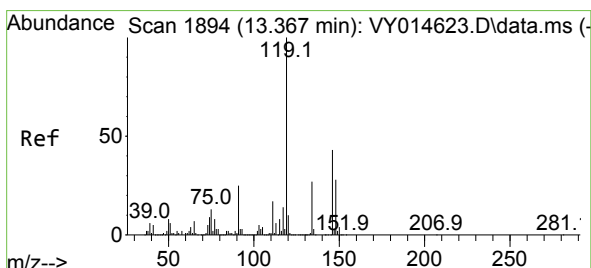
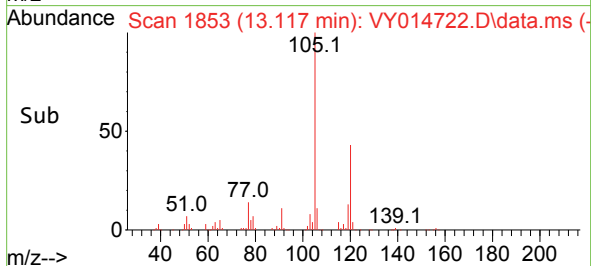
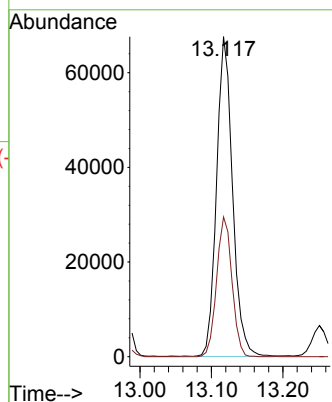
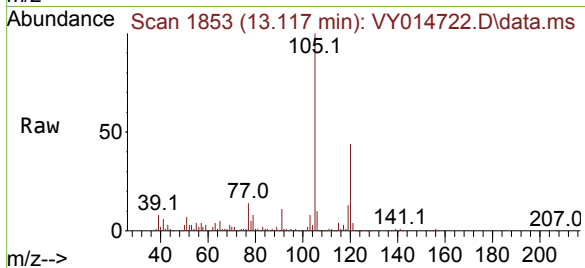
AUD-1021-1020-COMP

Tgt Ion:105 Resp: 104953

Ion Ratio Lower Upper

105 100

120 41.9 22.2 66.6



#86

p-Isopropyltoluene

Concen: 2.088 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

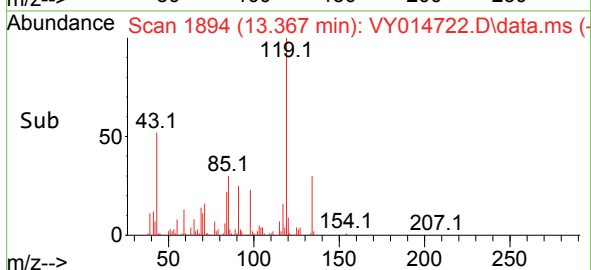
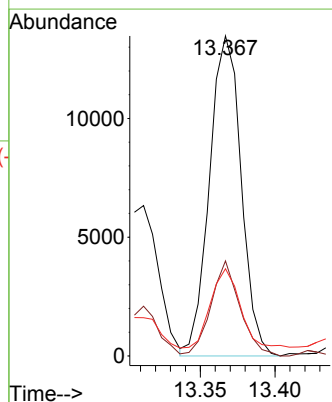
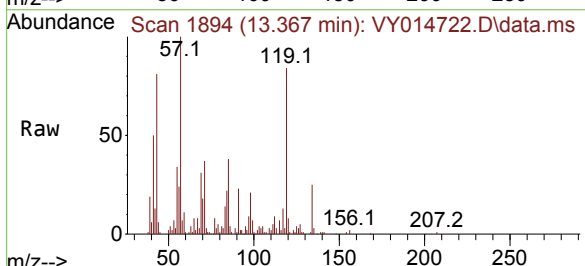
Tgt Ion:119 Resp: 19857

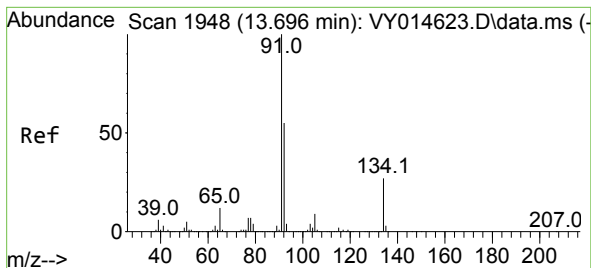
Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.8

91 23.0 12.4 37.4





#89

n-Butylbenzene

Concen: 5.141 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY014722.D

Acq: 20 Jul 2023 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

AUD-1021-1020-COMP

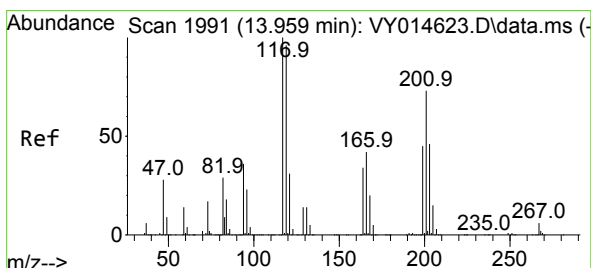
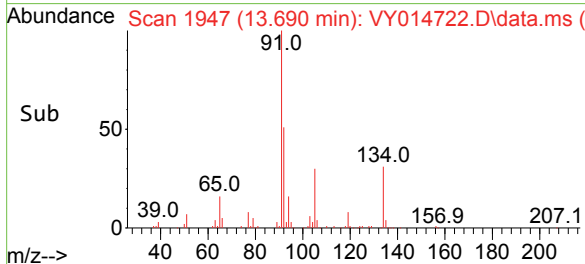
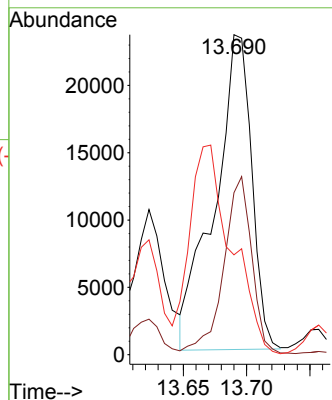
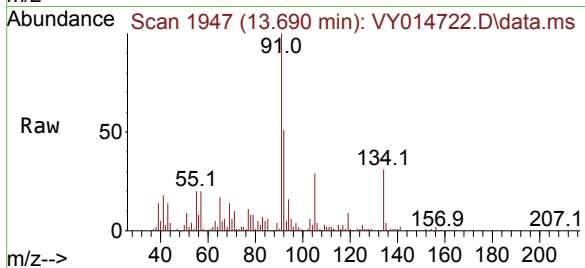
Tgt Ion: 91 Resp: 47569

Ion Ratio Lower Upper

91 100

92 42.8 25.4 76.0

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 7.286 ug/l

RT: 13.970 min Scan# 1993

Delta R.T. 0.011 min

Lab File: VY014722.D

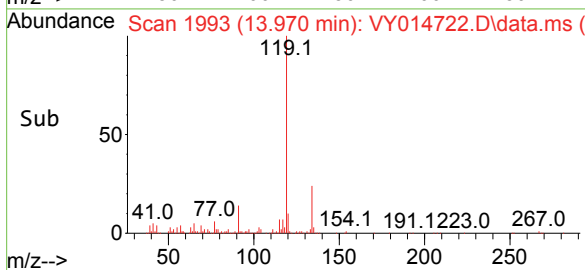
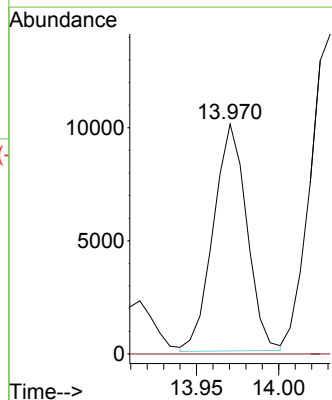
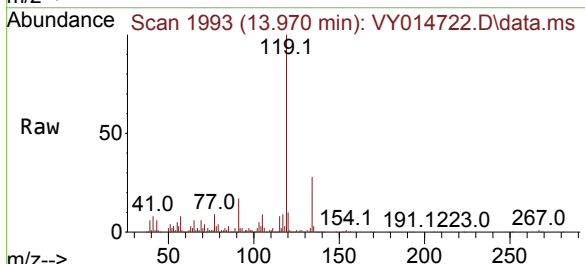
Acq: 20 Jul 2023 15:41

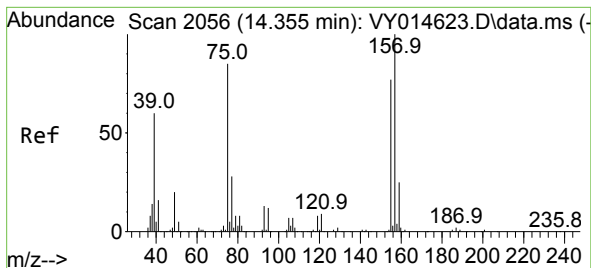
Tgt Ion: 117 Resp: 14234

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

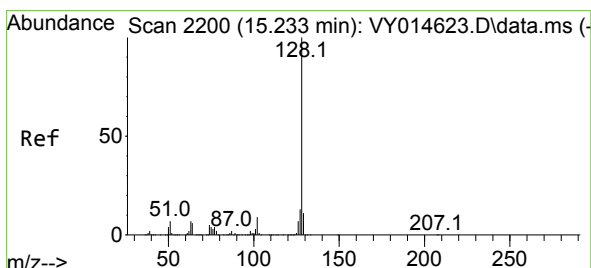
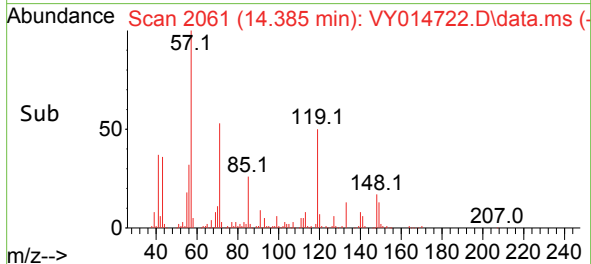
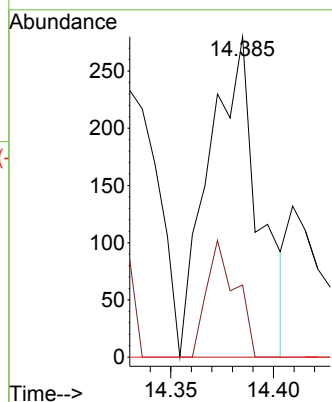
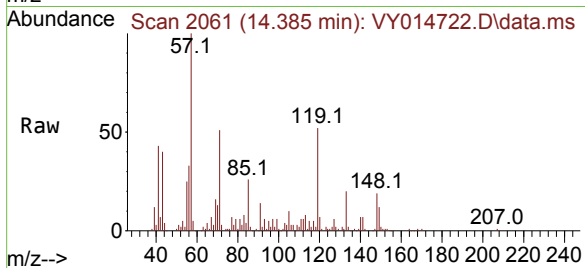




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.012 ug/l  
RT: 14.385 min Scan# 2056  
Delta R.T. 0.030 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AUD-1021-1020-COMP

Tgt Ion: 75 Resp: 473  
Ion Ratio Lower Upper  
75 100  
155 21.4 41.5 124.6#  
157 0.0 51.8 155.5#



#95  
Naphthalene  
Concen: 36.964 ug/l  
RT: 15.232 min Scan# 2200  
Delta R.T. -0.001 min  
Lab File: VY014722.D  
Acq: 20 Jul 2023 15:41

Tgt Ion:128 Resp: 238523  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.8 16.2  
129 10.8 8.6 13.0

