

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012224\  
 Data File : VY017080.D  
 Acq On : 22 Jan 2024 17:39  
 Operator : SY/MD  
 Sample : P1218-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 23 01:48:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.813  | 168  | 157278   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.716  | 114  | 206117   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.508 | 117  | 145740   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.447 | 152  | 26801    | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 36509    | 23.486   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 46.980%# |
| 35) Dibromofluoromethane    | 7.740  | 113   | 44671    | 34.010   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 68.020%  |
| 50) Toluene-d8              | 10.197 | 98    | 169612   | 37.501   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 75.000%  |
| 62) 4-Bromofluorobenzene    | 12.502 | 95    | 35286    | 23.124   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 46.240%  |

|                               |        |     |          |           |        |     |
|-------------------------------|--------|-----|----------|-----------|--------|-----|
| Target Compounds              |        |     | Qvalue   |           |        |     |
| 3) Chloromethane              | 2.235  | 50  | 4554     | 2.465     | ug/l # | 82  |
| 11) Tert butyl alcohol        | 4.979  | 59  | 62405    | 598.078   | ug/l # | 94  |
| 13) Acrolein                  | 3.747  | 56  | 272      | Below Cal | #      | 15  |
| 16) Acetone                   | 3.966  | 43  | 13000389 | 37533.034 | ug/l   | 89  |
| 18) Methyl Acetate            | 4.588  | 43  | 28626    | 17.189    | ug/l # | 51  |
| 19) Methyl tert-butyl Ether   | 5.247  | 73  | 27749    | 7.120     | ug/l # | 71  |
| 20) Methylene Chloride        | 4.747  | 84  | 7637     | Below Cal |        | 96  |
| 25) 2-Butanone                | 7.009  | 43  | 77747    | 142.387   | ug/l   | 96  |
| 29) Tetrahydrofuran           | 7.557  | 42  | 37603    | 119.519   | ug/l # | 1   |
| 30) Chloroform                | 7.533  | 83  | 4106     | 1.211     | ug/l # | 1   |
| 31) Cyclohexane               | 7.795  | 56  | 5285556  | 1981.109  | ug/l # | 46  |
| 37) Ethyl Acetate             | 7.009  | 43  | 77747    | 89.377    | ug/l # | 69  |
| 38) Carbon Tetrachloride      | 7.813  | 117 | 16216    | 8.338     | ug/l # | 17  |
| 39) Methylcyclohexane         | 9.209  | 83  | 1980026  | 920.134   | ug/l   | 98  |
| 40) Benzene                   | 8.185  | 78  | 17840    | 3.107     | ug/l   | 99  |
| 41) Methacrylonitrile         | 7.551  | 41  | 242105   | 528.460   | ug/l # | 49  |
| 42) 1,2-Dichloroethane        | 8.301  | 62  | 7475     | 4.904     | ug/l # | 1   |
| 43) Isopropyl Acetate         | 8.295  | 43  | 2940610  | 1765.287  | ug/l # | 51  |
| 45) 1,2-Dichloropropane       | 9.270  | 63  | 1494     | 1.010     | ug/l # | 1   |
| 47) Bromodichloromethane      | 9.392  | 83  | 56593    | 27.934    | ug/l # | 23  |
| 48) Methyl methacrylate       | 9.264  | 41  | 257739   | 286.698   | ug/l # | 39  |
| 51) 4-Methyl-2-Pentanone      | 10.087 | 43  | 29725    | 33.553    | ug/l   | 100 |
| 52) Toluene                   | 10.264 | 92  | 257163   | 74.209    | ug/l   | 99  |
| 53) t-1,3-Dichloropropene     | 10.264 | 75  | 2754     | 1.518     | ug/l # | 1   |
| 55) 1,1,2-Trichloroethane     | 10.636 | 97  | 9186     | 8.334     | ug/l # | 20  |
| 56) Ethyl methacrylate        | 10.545 | 69  | 3929     | 4.209     | ug/l # | 27  |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63  | 121      | 17.629    | ug/l # | 47  |
| 59) 2-Hexanone                | 10.947 | 43  | 10262    | 15.732    | ug/l   | 89  |
| 67) Ethyl Benzene             | 11.611 | 91  | 197664   | 36.163    | ug/l   | 99  |
| 68) m/p-Xylenes               | 11.715 | 106 | 263996   | 131.582   | ug/l   | 99  |
| 69) o-Xylene                  | 12.044 | 106 | 150670   | 80.106    | ug/l   | 99  |
| 70) Styrene                   | 12.044 | 104 | 7523     | 2.748     | ug/l # | 1   |
| 73) Isopropylbenzene          | 12.349 | 105 | 50142    | 22.911    | ug/l   | 99  |
| 74) N-amyl acetate            | 12.142 | 43  | 100397   | 228.321   | ug/l # | 60  |
| 75) 1,1,2,2-Tetrachloroethane | 12.538 | 83  | 3652     | 8.190     | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane    | 12.684 | 75  | 790      | 2.716     | ug/l # | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012224\  
 Data File : VY017080.D  
 Acq On : 22 Jan 2024 17:39  
 Operator : SY/MD  
 Sample : P1218-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 23 01:48:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

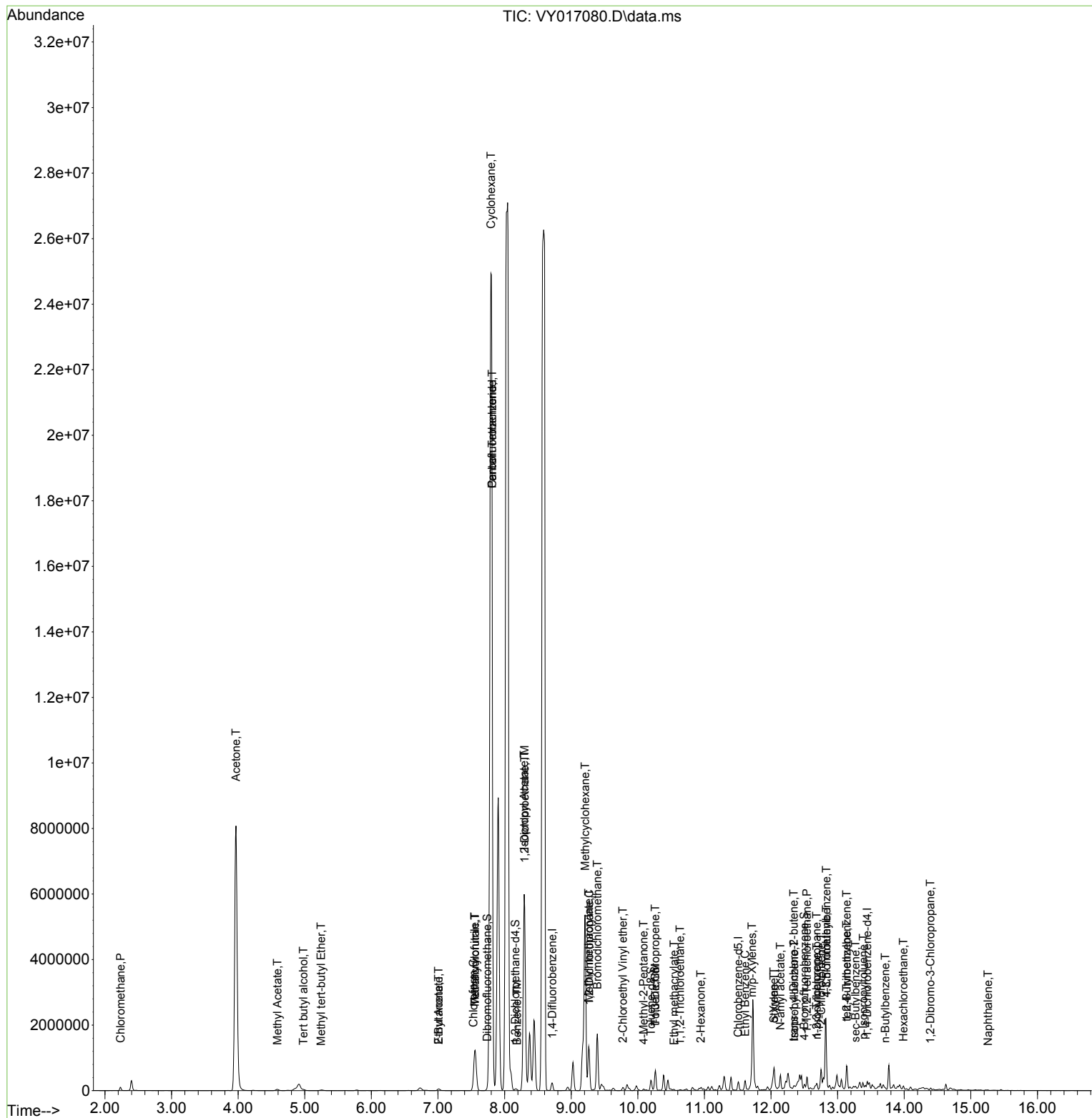
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 78) n-propylbenzene           | 12.691 | 91   | 135086   | 50.771  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 43485    | 29.473  | ug/l # | 42       |
| 80) 1,3,5-Trimethylbenzene    | 12.831 | 105  | 105836   | 61.145  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 12.343 | 75   | 649      | 5.067   | ug/l # | 8        |
| 82) 4-Chlorotoluene           | 12.831 | 91   | 11626    | 7.713   | ug/l # | 54       |
| 83) tert-Butylbenzene         | 13.136 | 119  | 47344    | 31.054  | ug/l # | 67       |
| 84) 1,2,4-Trimethylbenzene    | 13.136 | 105  | 379386   | 222.565 | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.270 | 105  | 33927    | 15.019  | ug/l   | 80       |
| 86) p-Isopropyltoluene        | 13.386 | 119  | 25472    | 13.663  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.715 | 91   | 39498    | 22.035  | ug/l # | 74       |
| 90) Hexachloroethane          | 13.989 | 117  | 3879     | 9.683   | ug/l # | 17       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.391 | 75   | 107      | 1.913   | ug/l # | 1        |
| 95) Naphthalene               | 15.257 | 128  | 10096    | 15.195  | ug/l   | 96       |
| -----                         |        |      |          |         |        |          |

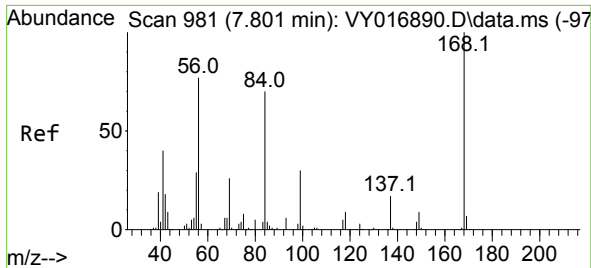
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012224\  
 Data File : VY017080.D  
 Acq On : 22 Jan 2024 17:39  
 Operator : SY/MD  
 Sample : P1218-04  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 23 01:48:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

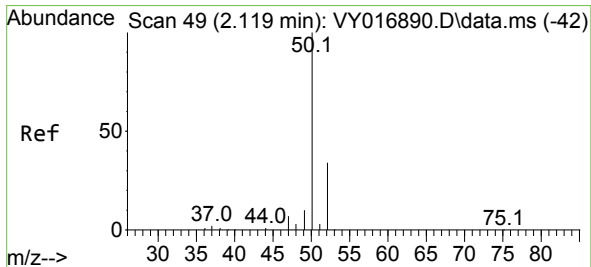
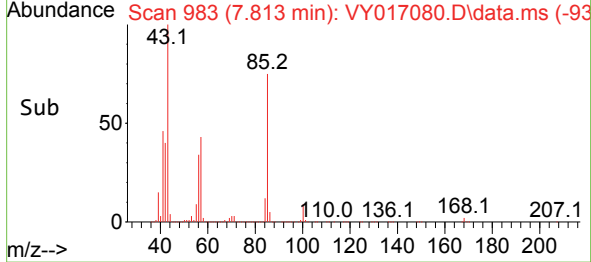
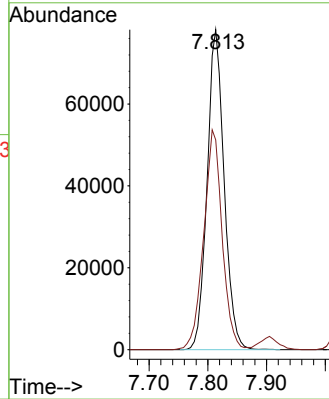
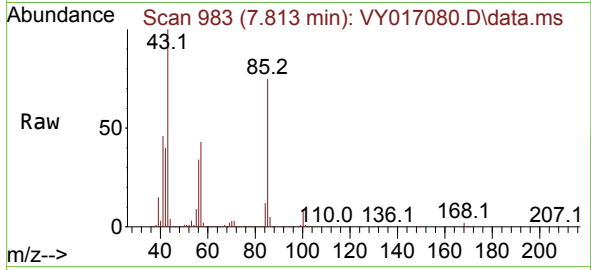




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

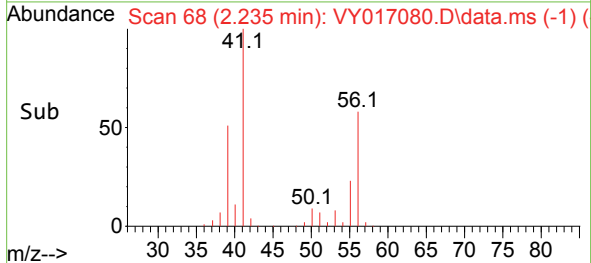
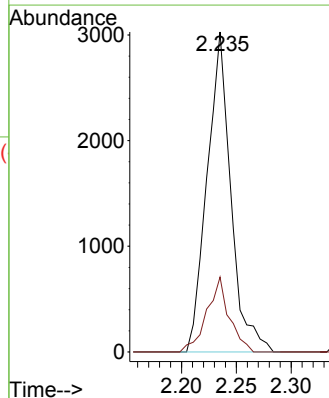
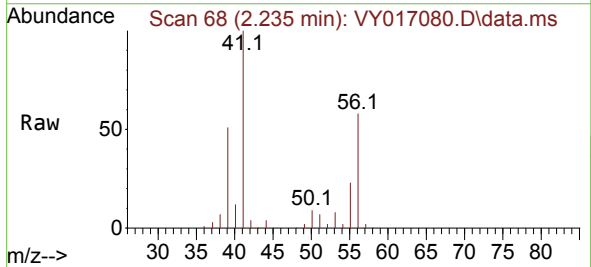
Instrument :  
MSVOA\_Y  
ClientSampleId :

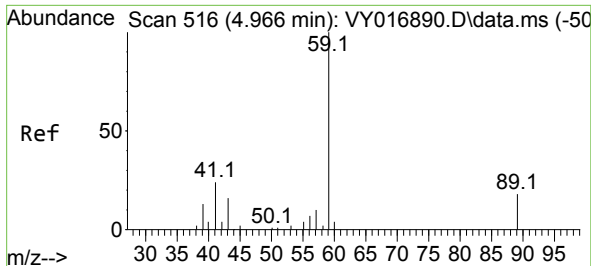
Tgt Ion:168 Resp: 157278  
Ion Ratio Lower Upper  
168 100  
99 65.2 44.2 66.4



#3  
Chloromethane  
Concen: 2.465 ug/l  
RT: 2.235 min Scan# 68  
Delta R.T. 0.116 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 50 Resp: 4554  
Ion Ratio Lower Upper  
50 100  
52 23.4 26.7 40.1#

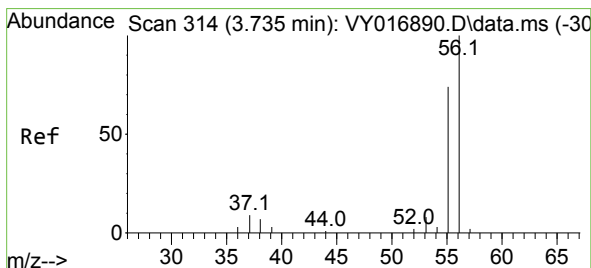
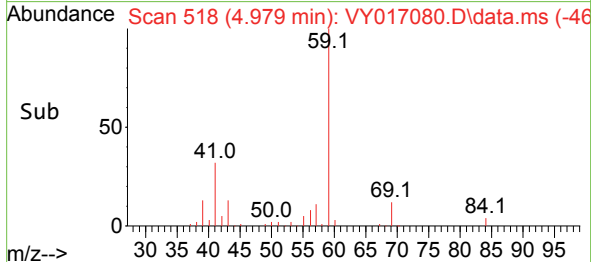
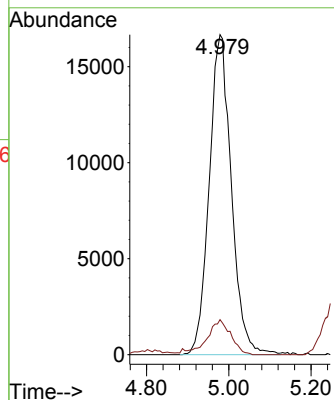
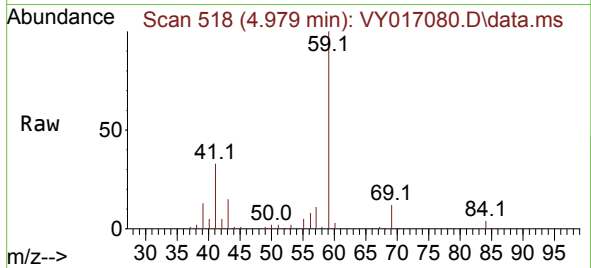




#11  
Tert butyl alcohol  
Concen: 598.078 ug/l  
RT: 4.979 min Scan# 516  
Delta R.T. 0.013 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

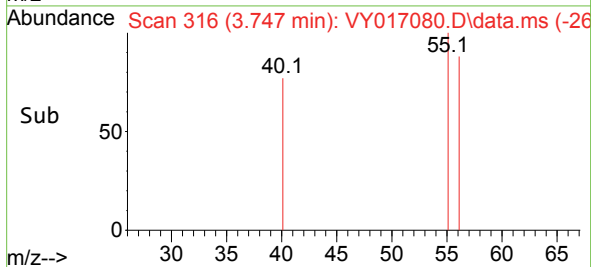
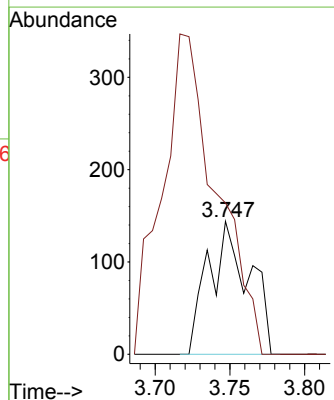
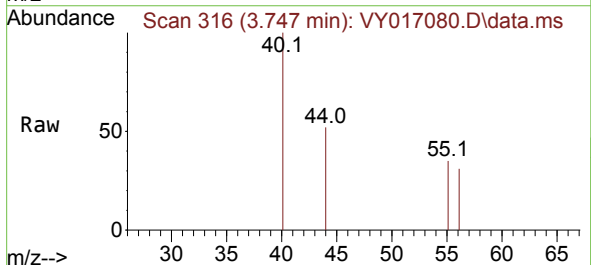
Instrument :  
MSVOA\_Y  
ClientSampleId :

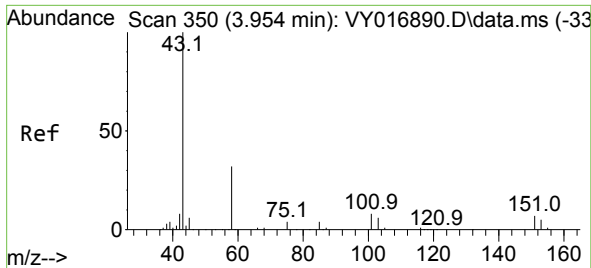
Tgt Ion: 59 Resp: 62405  
Ion Ratio Lower Upper  
59 100  
57 11.4 7.4 11.0#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.747 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 56 Resp: 272  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.4 83.0#

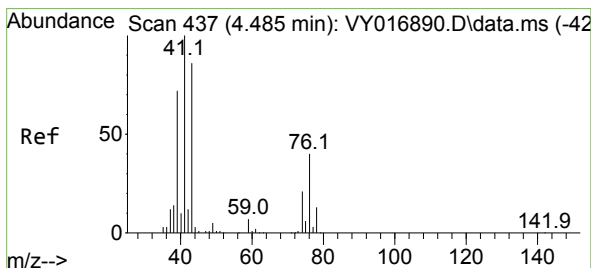
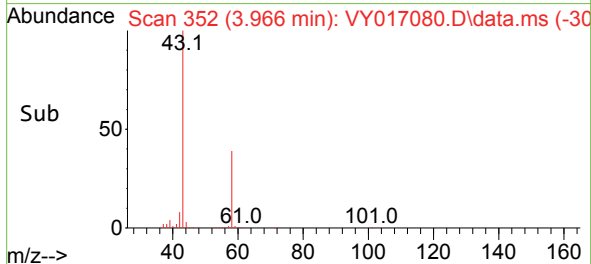
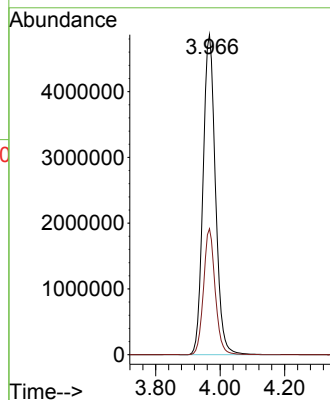
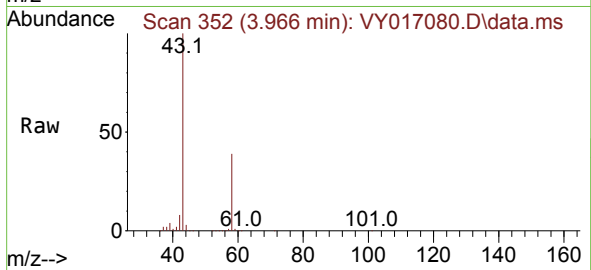




#16  
Acetone  
Concen: 37533.034 ug/l  
RT: 3.966 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

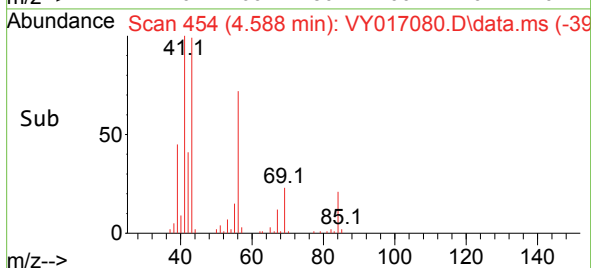
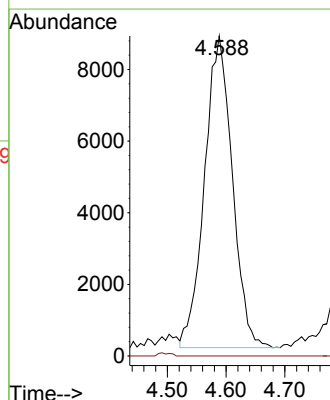
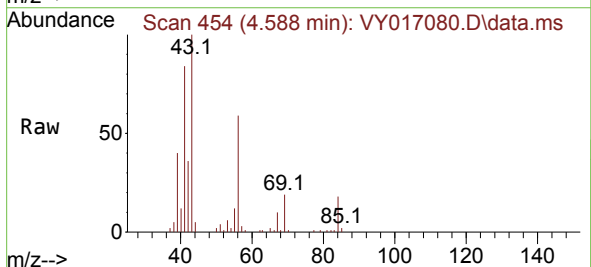
Instrument :  
MSVOA\_Y  
ClientSampleId :

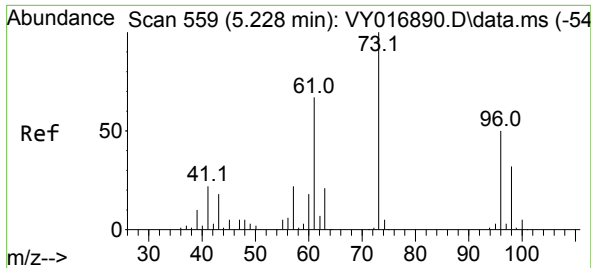
Tgt Ion: 43 Resp:13000389  
Ion Ratio Lower Upper  
43 100  
58 39.3 26.6 39.8



#18  
Methyl Acetate  
Concen: 17.189 ug/l  
RT: 4.588 min Scan# 454  
Delta R.T. 0.091 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 43 Resp: 28626  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.8 29.6#





#19

Methyl tert-butyl Ether

Concen: 7.120 ug/l

RT: 5.247 min Scan# 5

Delta R.T. 0.013 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

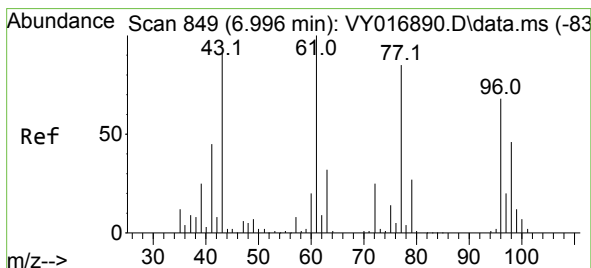
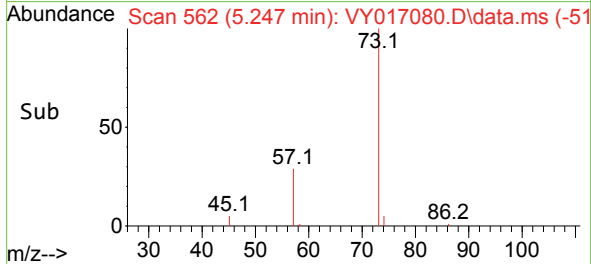
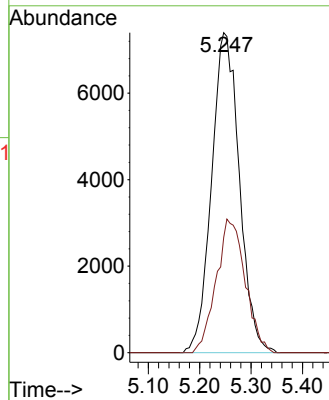
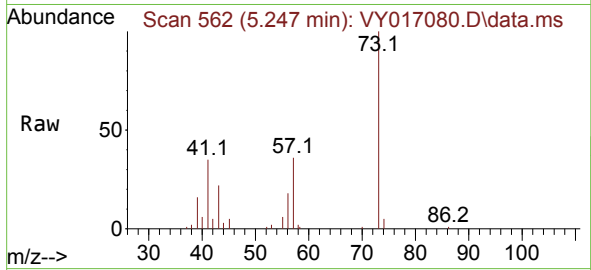
ClientSampleId :

Tgt Ion: 73 Resp: 27749

Ion Ratio Lower Upper

73 100

57 36.1 17.7 26.5#



#25

2-Butanone

Concen: 142.387 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY017080.D

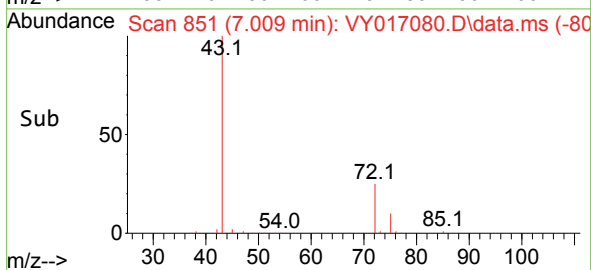
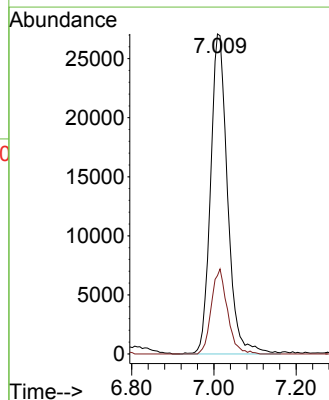
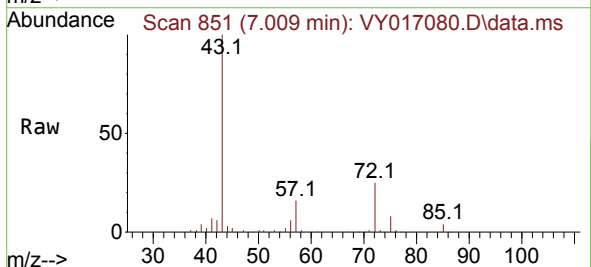
Acq: 22 Jan 2024 17:39

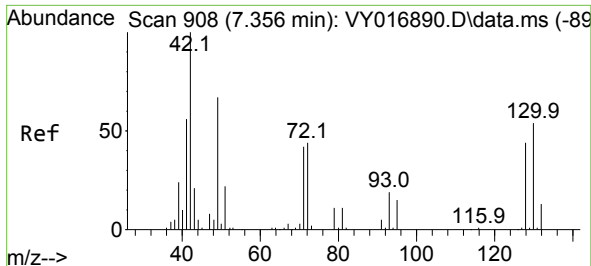
Tgt Ion: 43 Resp: 77747

Ion Ratio Lower Upper

43 100

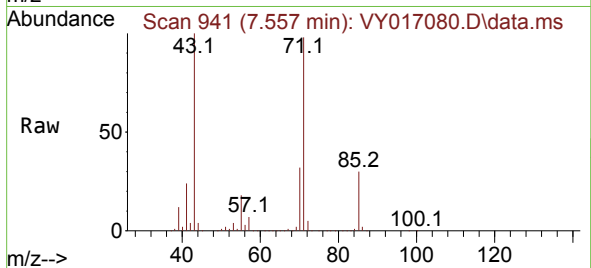
72 24.5 21.4 32.2



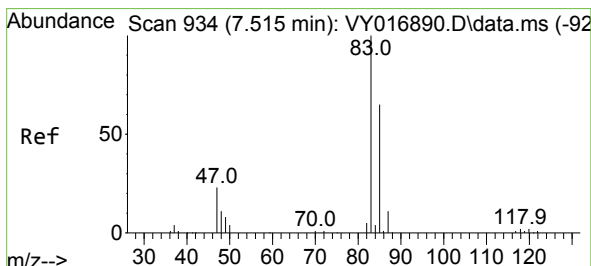
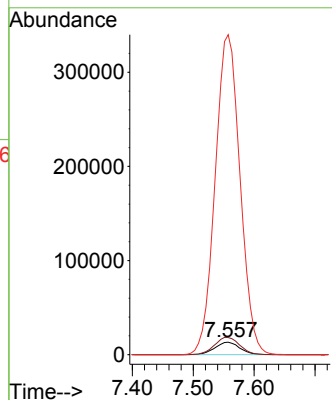
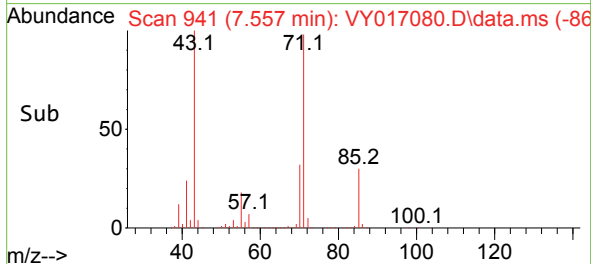


#29  
Tetrahydrofuran  
Concen: 119.519 ug/l  
RT: 7.557 min Scan# 941  
Delta R.T. 0.195 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

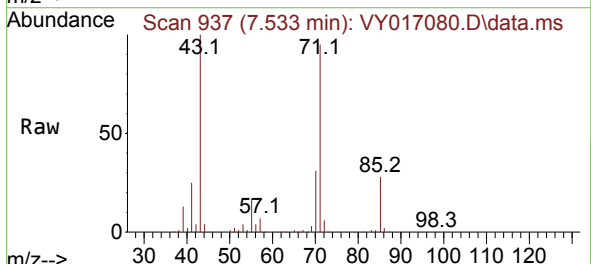
Instrument :  
MSVOA\_Y  
ClientSampleId :



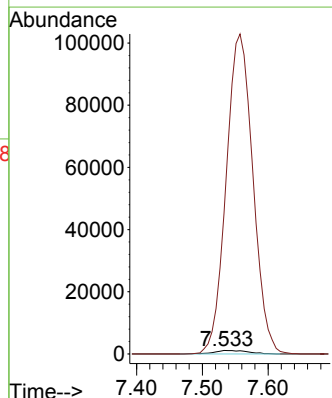
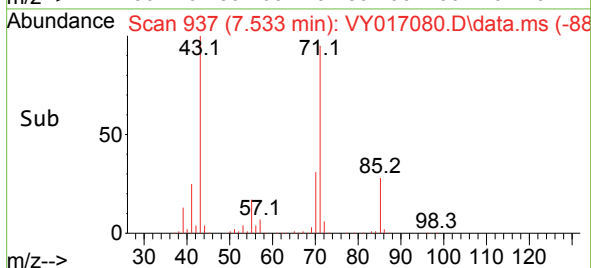
Tgt Ion: 42 Resp: 37603  
Ion Ratio Lower Upper  
42 100  
72 140.8 36.6 54.8#  
71 2570.6 33.8 50.6#



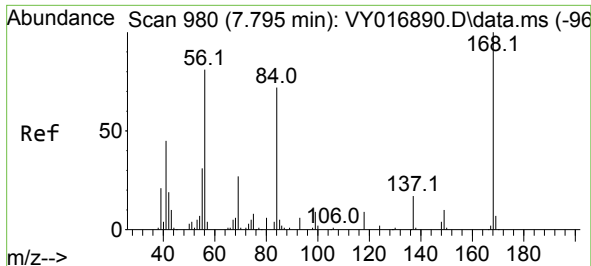
#30  
Chloroform  
Concen: 1.211 ug/l  
RT: 7.533 min Scan# 937  
Delta R.T. 0.012 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39



Tgt Ion: 83 Resp: 4106  
Ion Ratio Lower Upper  
83 100  
85 4040.6 51.2 76.8#

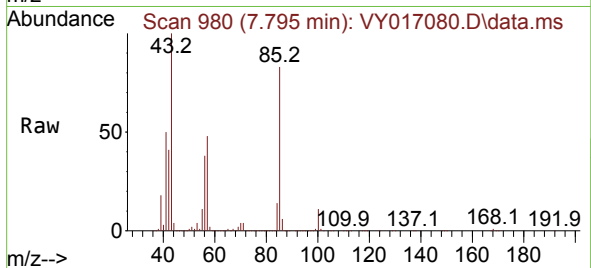




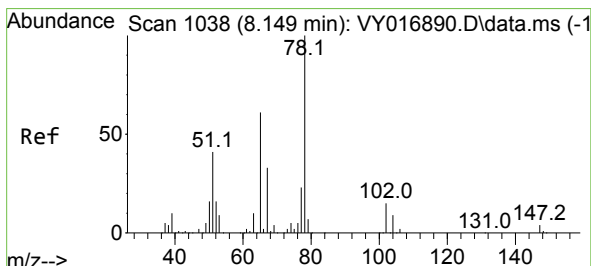
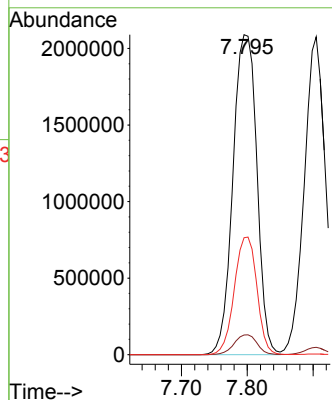
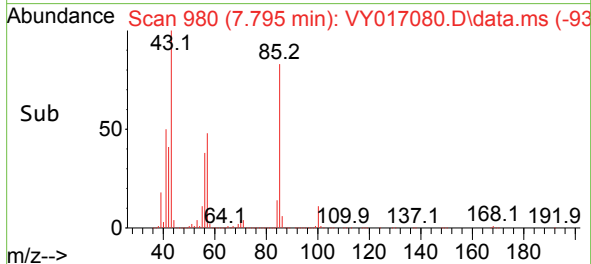


#31  
Cyclohexane  
Concen: 1981.109 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

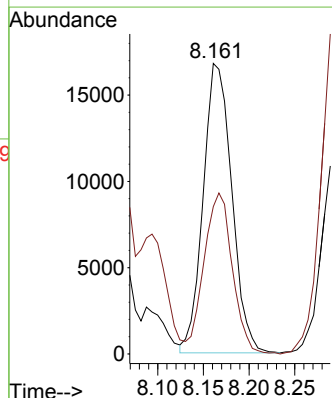
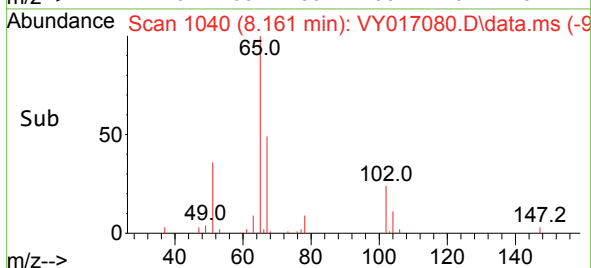
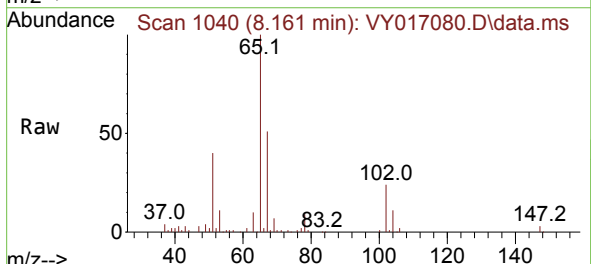


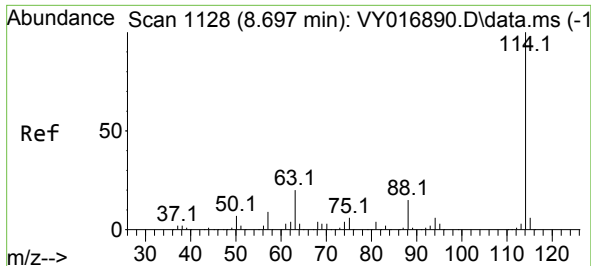
Tgt Ion: 56 Resp: 5285556  
Ion Ratio Lower Upper  
56 100  
69 6.1 27.0 40.6#  
84 36.6 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 23.486 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 65 Resp: 36509  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 109.0

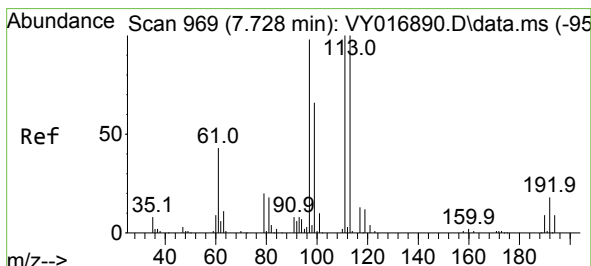
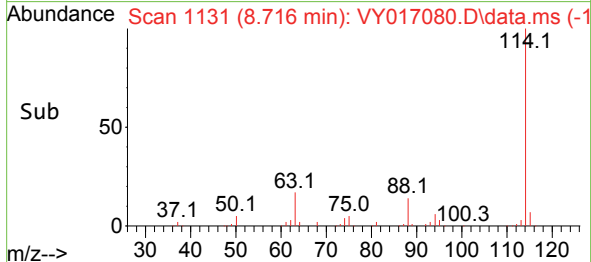
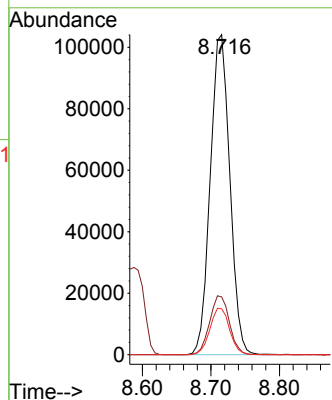
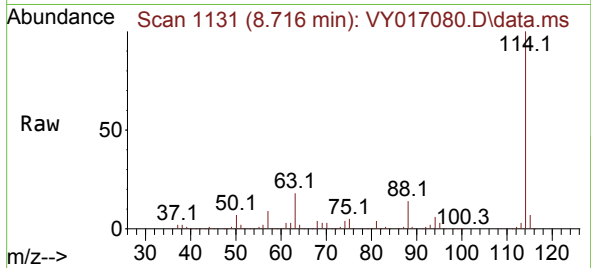




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.716 min Scan# 1128  
 Delta R.T. 0.013 min  
 Lab File: VY017080.D  
 Acq: 22 Jan 2024 17:39

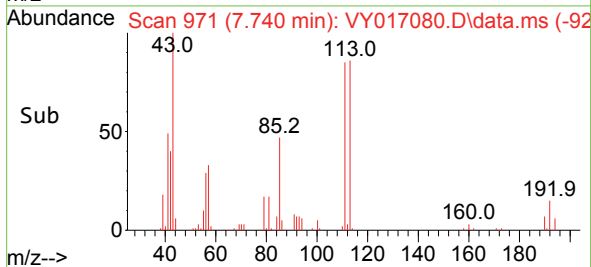
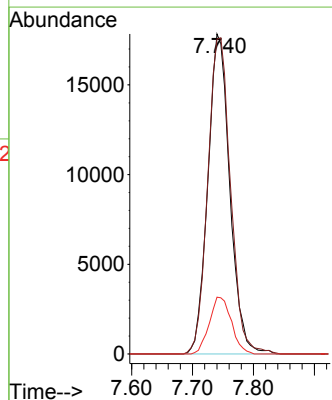
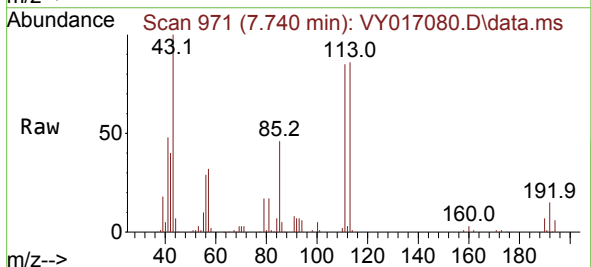
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

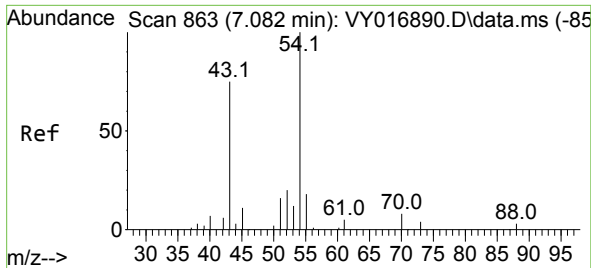
Tgt Ion:114 Resp: 206117  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 37.4  
 88 14.3 0.0 29.0



#35  
 Dibromofluoromethane  
 Concen: 34.010 ug/l  
 RT: 7.740 min Scan# 971  
 Delta R.T. 0.012 min  
 Lab File: VY017080.D  
 Acq: 22 Jan 2024 17:39

Tgt Ion:113 Resp: 44671  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 83.8 125.6  
 192 17.8 14.5 21.7

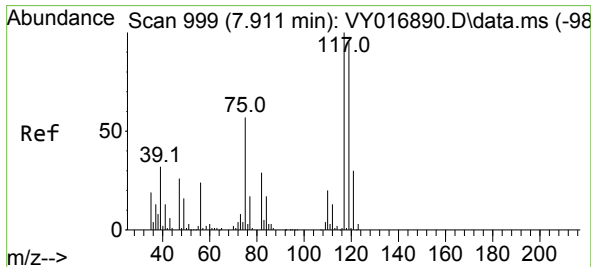
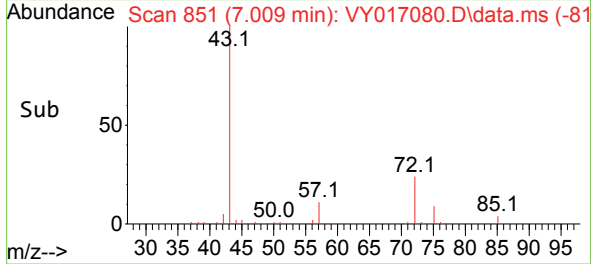
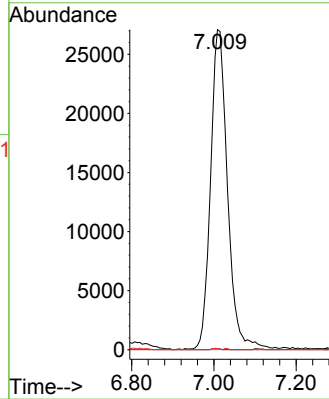
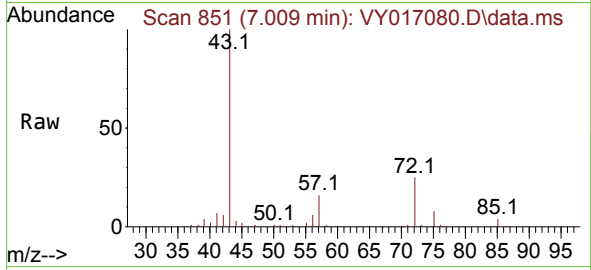




#37  
Ethyl Acetate  
Concen: 89.377 ug/l  
RT: 7.009 min Scan# 81  
Delta R.T. -0.079 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

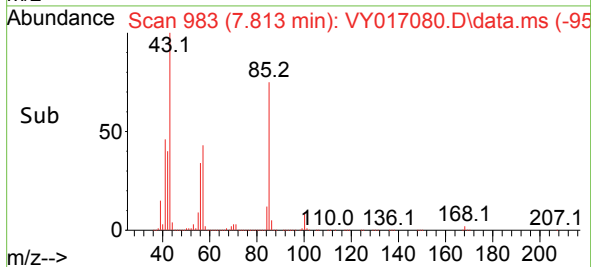
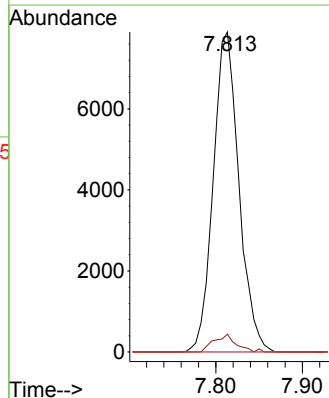
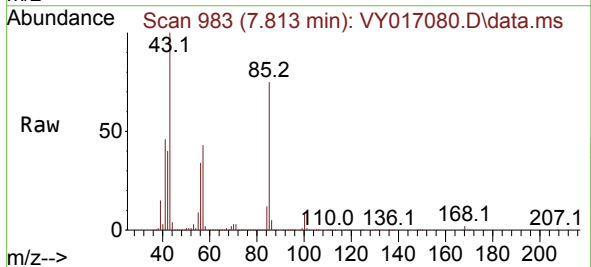
Instrument :  
MSVOA\_Y  
ClientSampleId :

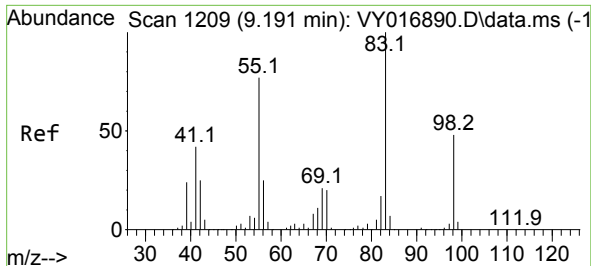
Tgt Ion: 43 Resp: 77747  
Ion Ratio Lower Upper  
43 100  
61 0.1 11.0 16.6#  
70 0.2 8.1 12.1#



#38  
Carbon Tetrachloride  
Concen: 8.338 ug/l  
RT: 7.813 min Scan# 983  
Delta R.T. -0.104 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 117 Resp: 16216  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.0 114.0#  
121 0.0 24.2 36.2#

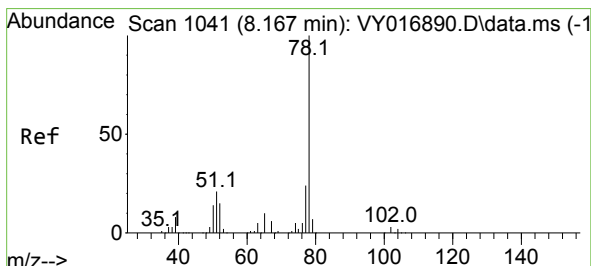
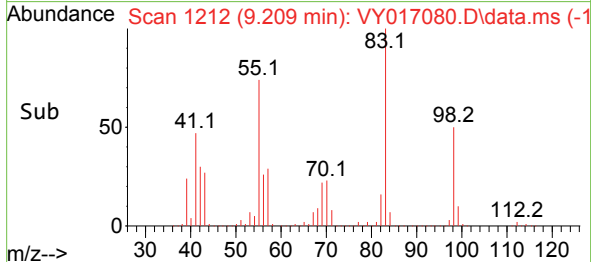
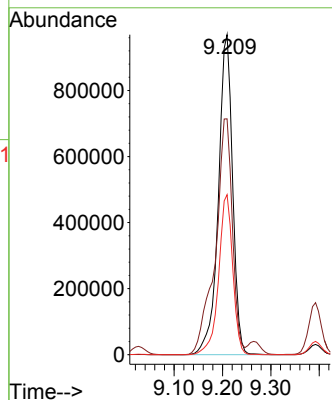
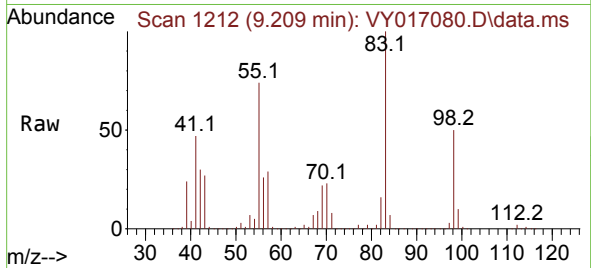




#39  
Methylcyclohexane  
Concen: 920.134 ug/l  
RT: 9.209 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

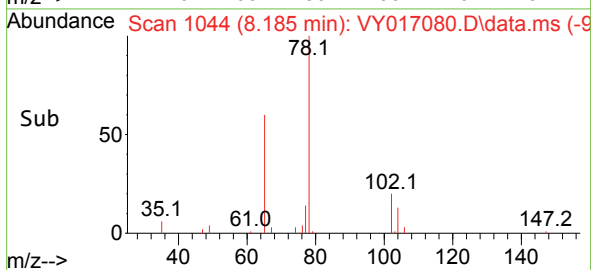
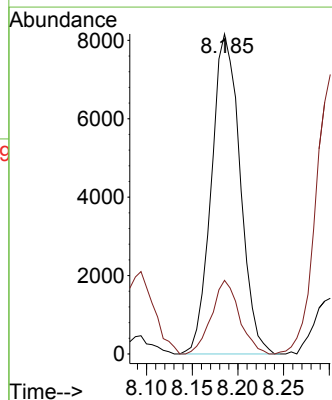
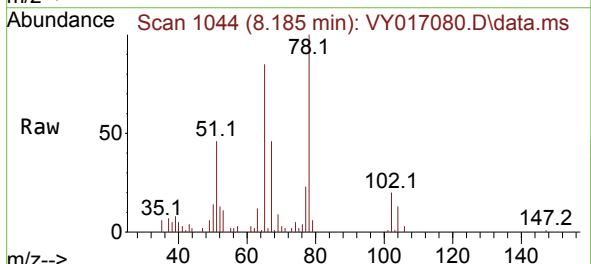
Instrument :  
MSVOA\_Y  
ClientSampleId :

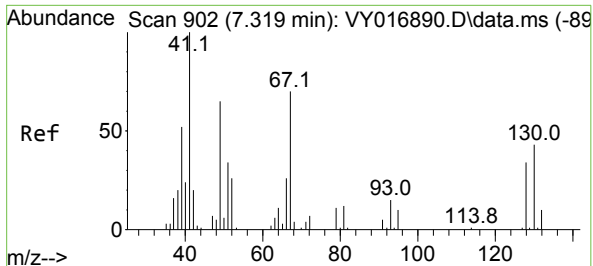
Tgt Ion: 83 Resp: 1980026  
Ion Ratio Lower Upper  
83 100  
55 73.7 59.7 89.5  
98 50.0 38.0 57.0



#40  
Benzene  
Concen: 3.107 ug/l  
RT: 8.185 min Scan# 1044  
Delta R.T. 0.012 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

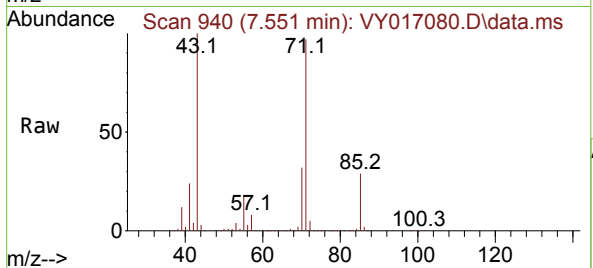
Tgt Ion: 78 Resp: 17840  
Ion Ratio Lower Upper  
78 100  
77 23.0 18.8 28.2



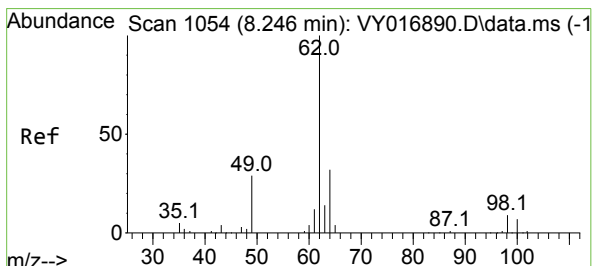
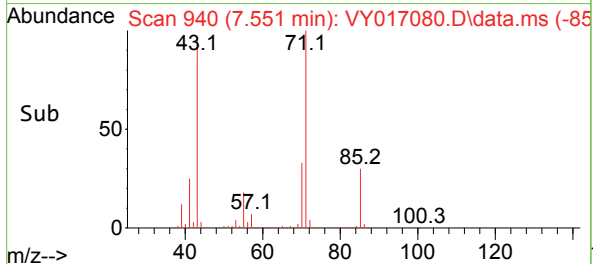
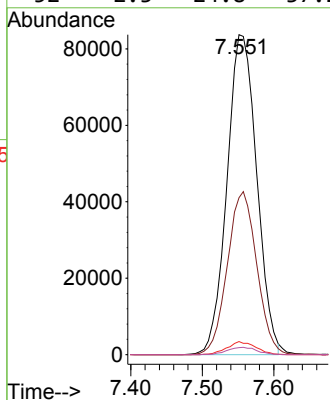


#41  
Methacrylonitrile  
Concen: 528.460 ug/l  
RT: 7.551 min Scan# 940  
Delta R.T. 0.232 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

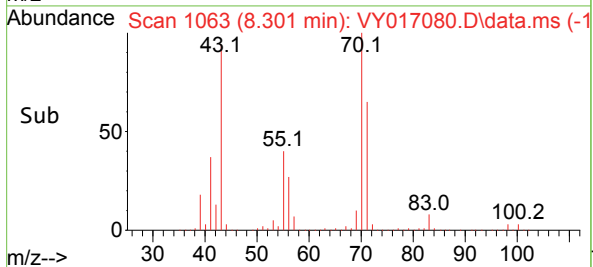
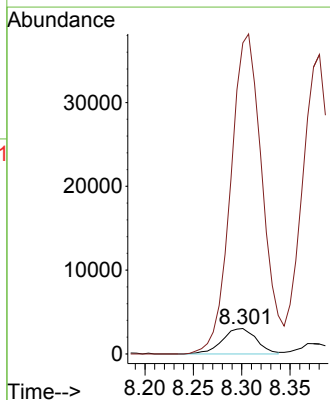
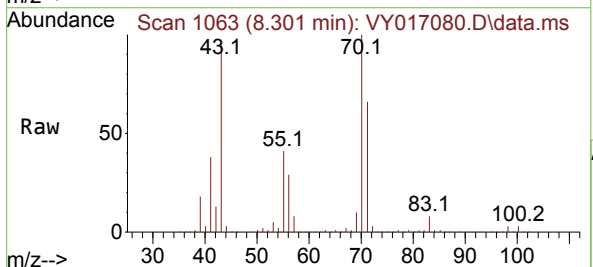


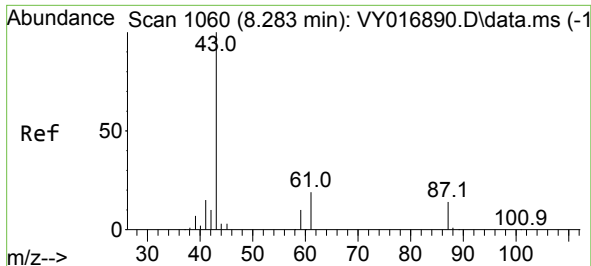
Tgt Ion: 41 Resp: 242105  
Ion Ratio Lower Upper  
41 100  
39 50.2 41.9 62.9  
67 3.9 59.8 89.6#  
52 2.3 24.8 37.2#



#42  
1,2-Dichloroethane  
Concen: 4.904 ug/l  
RT: 8.301 min Scan# 1063  
Delta R.T. 0.049 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

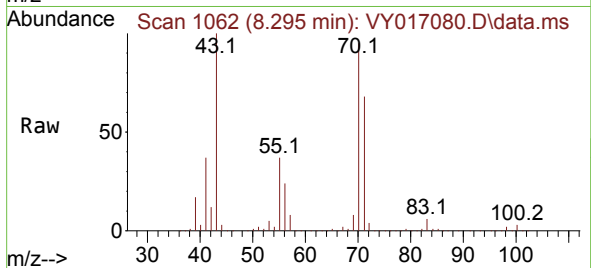
Tgt Ion: 62 Resp: 7475  
Ion Ratio Lower Upper  
62 100  
98 1160.9 0.0 20.2#



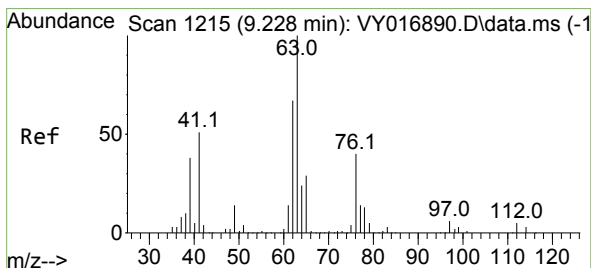
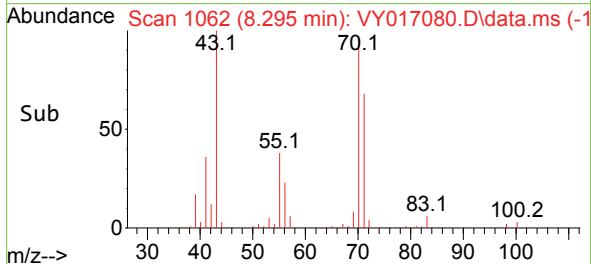
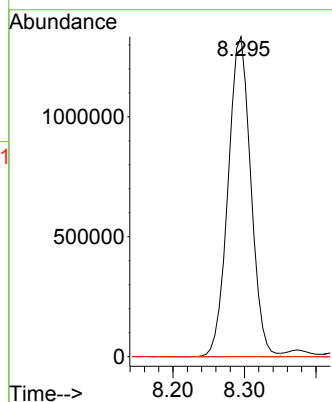


#43  
Isopropyl Acetate  
Concen: 1765.287 ug/l  
RT: 8.295 min Scan# 1062  
Delta R.T. 0.012 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

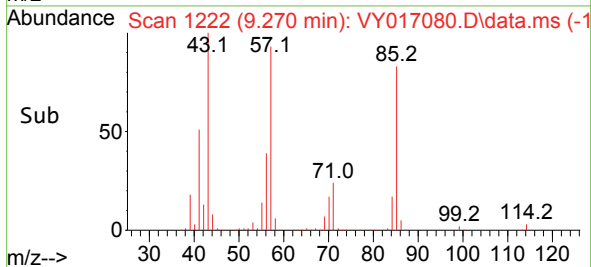
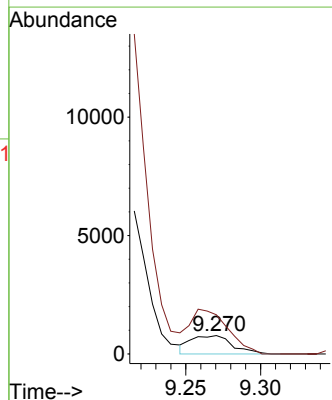
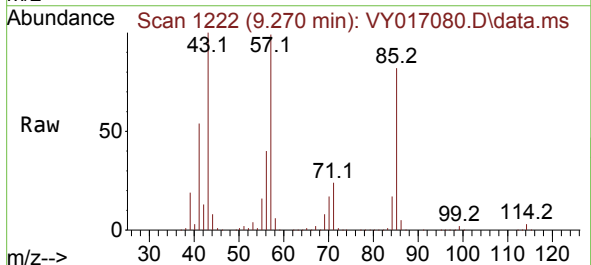


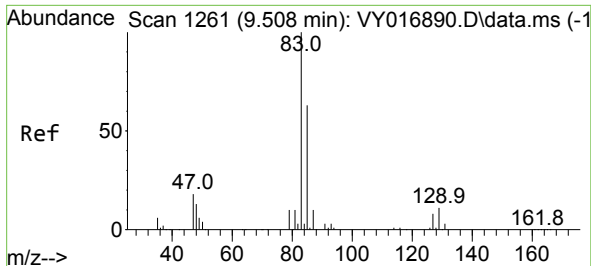
Tgt Ion: 43 Resp: 2940610  
Ion Ratio Lower Upper  
43 100  
61 0.1 24.8 37.2#  
87 0.0 10.7 16.1#



#45  
1,2-Dichloropropane  
Concen: 1.010 ug/l  
RT: 9.270 min Scan# 1222  
Delta R.T. 0.042 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 63 Resp: 1494  
Ion Ratio Lower Upper  
63 100  
65 212.2 24.6 36.8#

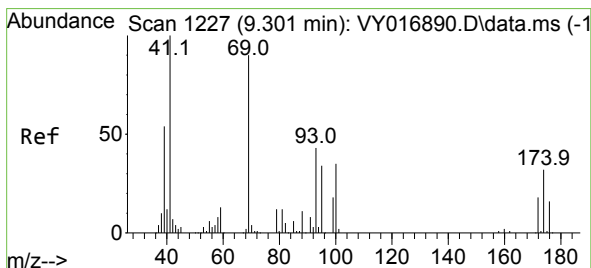
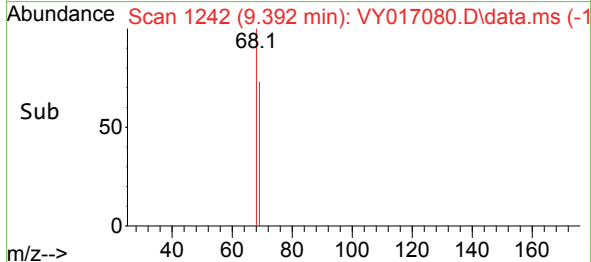
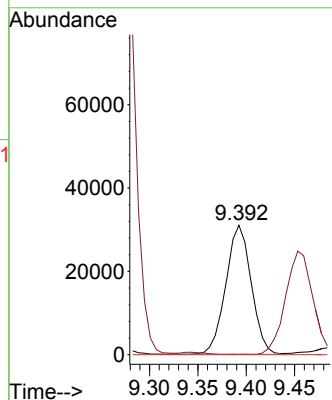
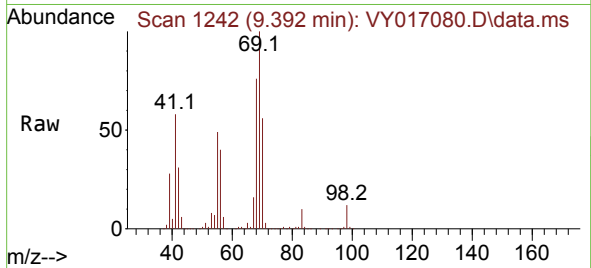




#47  
Bromodichloromethane  
Concen: 27.934 ug/l  
RT: 9.392 min Scan# 11  
Delta R.T. -0.116 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

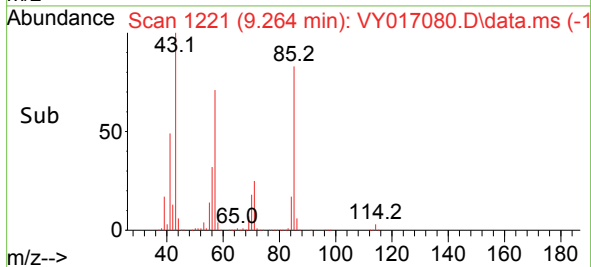
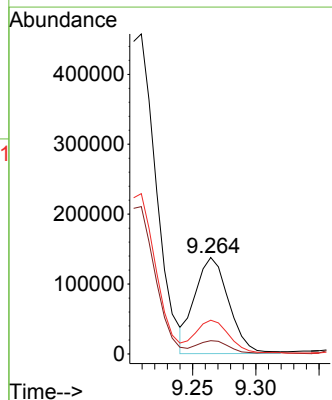
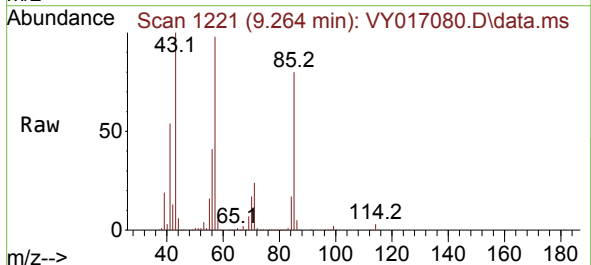
Instrument :  
MSVOA\_Y  
ClientSampleId :

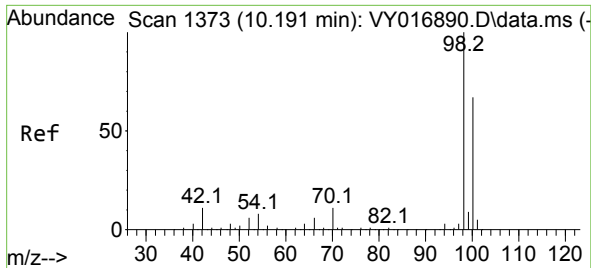
Tgt Ion: 83 Resp: 56593  
Ion Ratio Lower Upper  
83 100  
85 0.0 53.2 79.8#  
127 0.0 6.4 9.6#



#48  
Methyl methacrylate  
Concen: 286.698 ug/l  
RT: 9.264 min Scan# 1221  
Delta R.T. -0.037 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 41 Resp: 257739  
Ion Ratio Lower Upper  
41 100  
69 11.5 72.1 108.1#  
39 36.3 42.8 64.2#

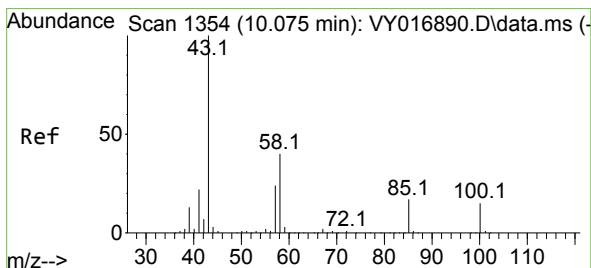
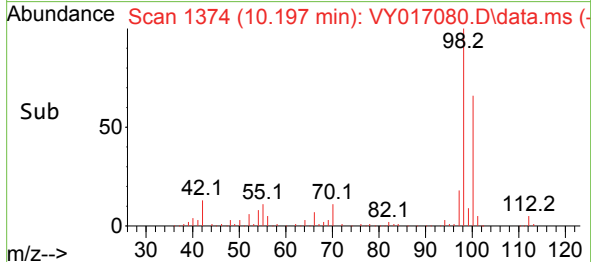
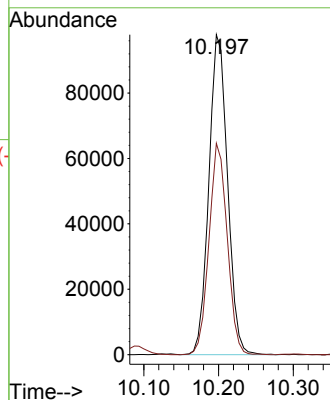
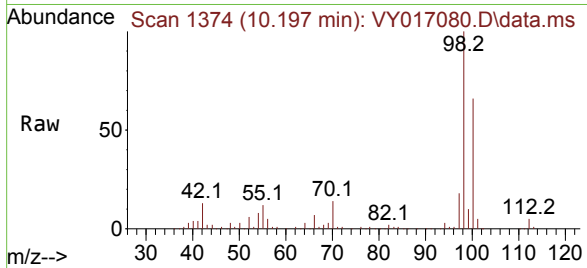




#50  
Toluene-d8  
Concen: 37.501 ug/l  
RT: 10.197 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

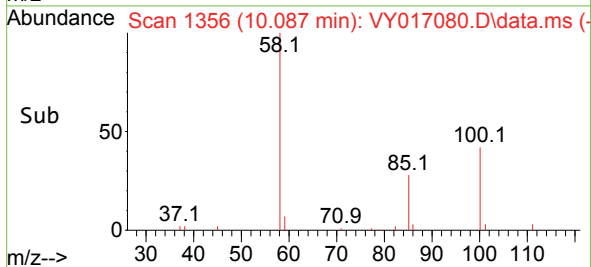
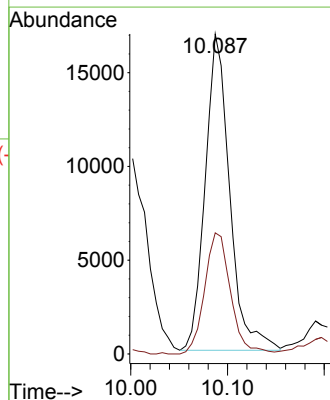
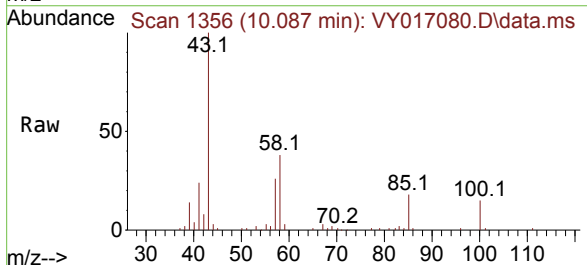
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 169612  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.3 78.5

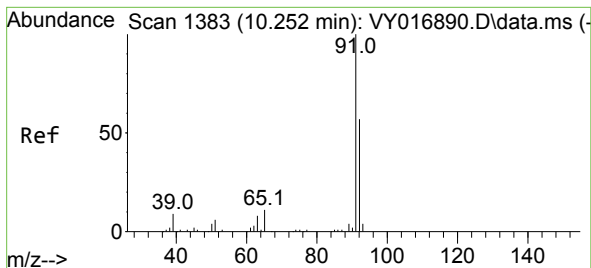


#51  
4-Methyl-2-Pentanone  
Concen: 33.553 ug/l  
RT: 10.087 min Scan# 1356  
Delta R.T. 0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 43 Resp: 29725  
Ion Ratio Lower Upper  
43 100  
58 40.5 32.2 48.2







#52

Toluene

Concen: 74.209 ug/l

RT: 10.264 min Scan# 1385

Delta R.T. 0.012 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

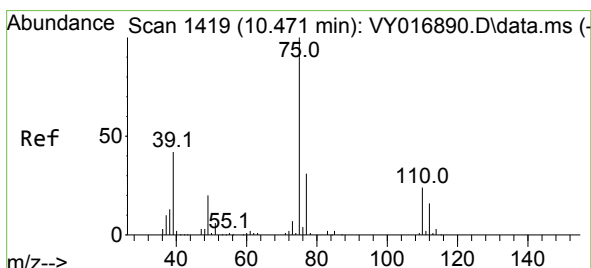
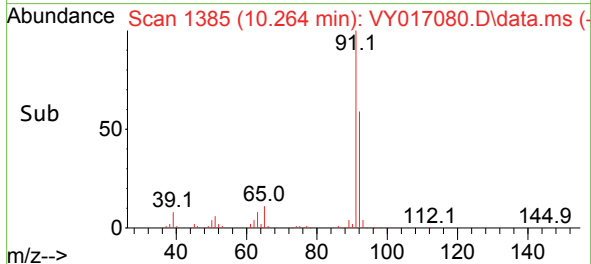
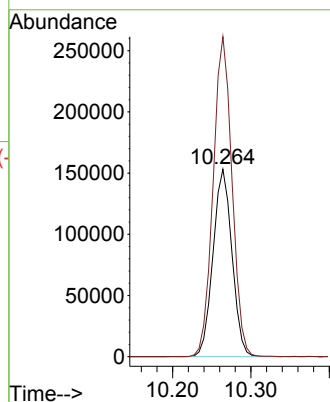
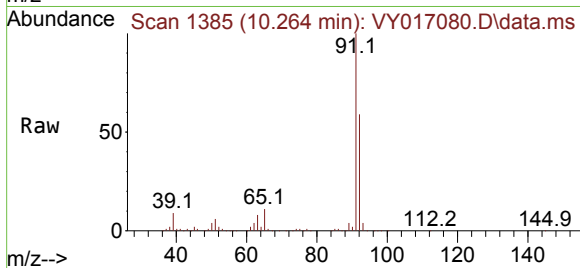
ClientSampleId :

Tgt Ion: 92 Resp: 257163

Ion Ratio Lower Upper

92 100

91 170.1 137.6 206.4



#53

t-1,3-Dichloropropene

Concen: 1.518 ug/l

RT: 10.264 min Scan# 1385

Delta R.T. -0.207 min

Lab File: VY017080.D

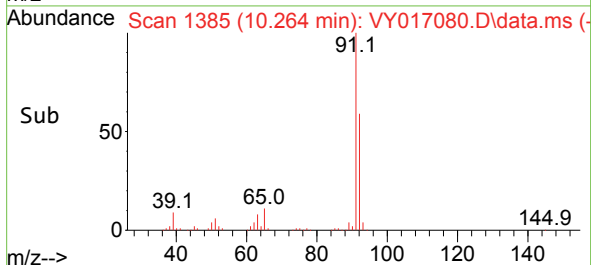
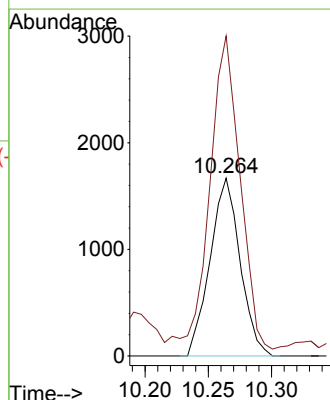
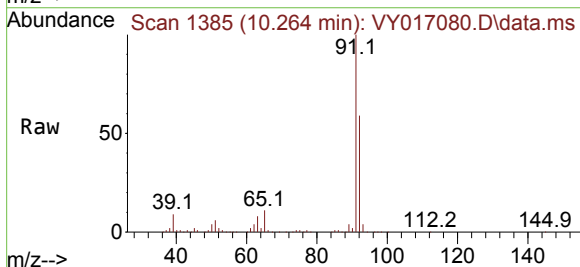
Acq: 22 Jan 2024 17:39

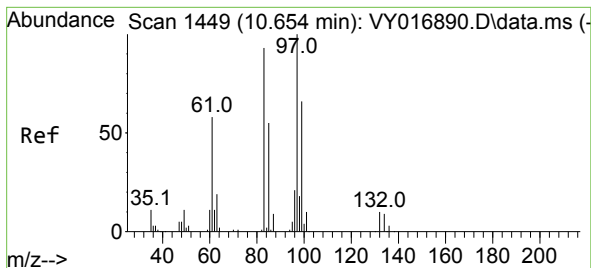
Tgt Ion: 75 Resp: 2754

Ion Ratio Lower Upper

75 100

77 174.9 24.6 36.8#





#55

1,1,2-Trichloroethane

Concen: 8.334 ug/l

RT: 10.636 min Scan# 1446

Delta R.T. -0.018 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 9186

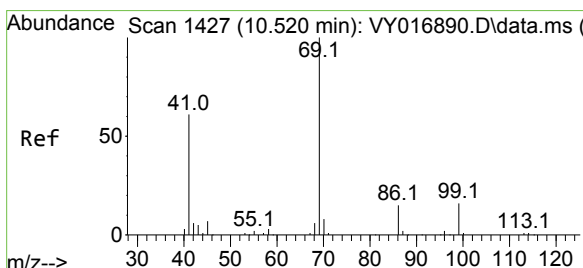
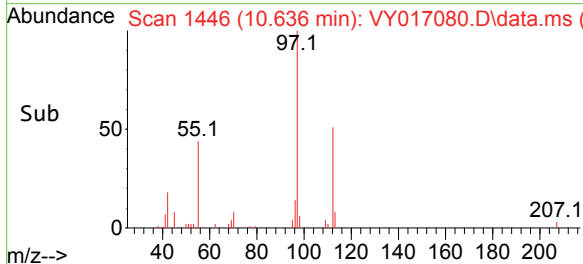
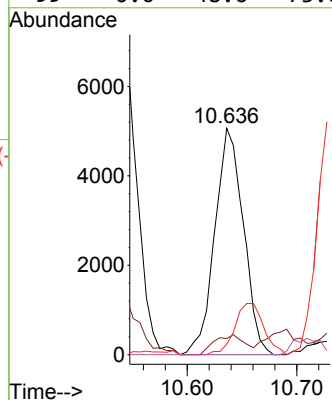
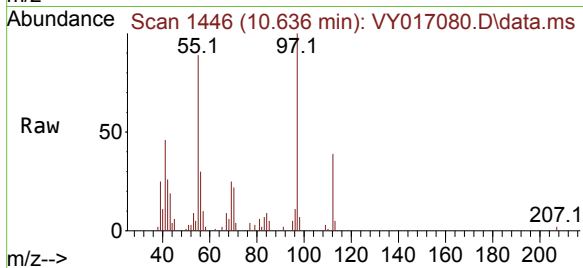
Ion Ratio Lower Upper

97 100

83 7.1 69.4 104.2#

85 4.7 43.9 65.9#

99 0.0 48.6 73.0#



#56

Ethyl methacrylate

Concen: 4.209 ug/l

RT: 10.545 min Scan# 1431

Delta R.T. 0.025 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

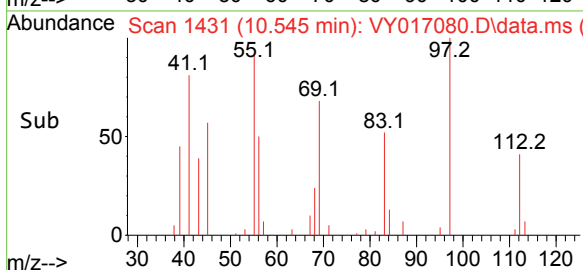
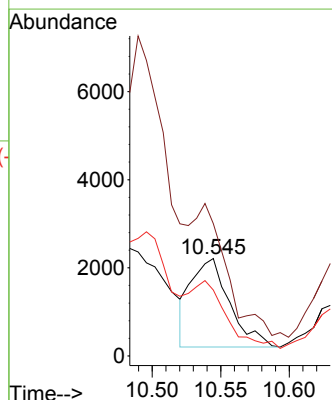
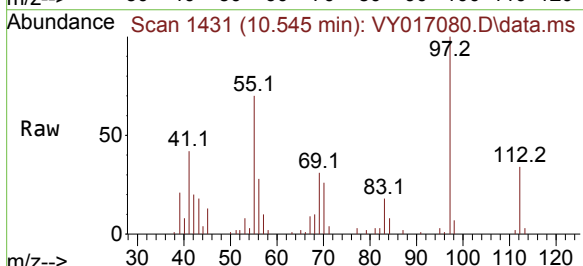
Tgt Ion: 69 Resp: 3929

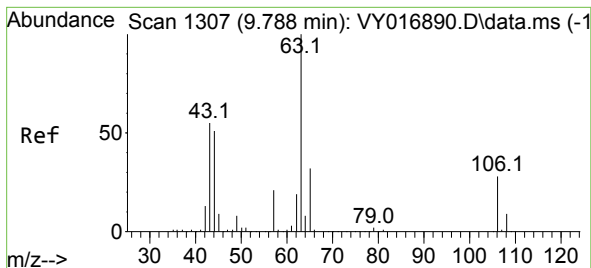
Ion Ratio Lower Upper

69 100

41 0.0 49.2 73.8#

39 0.0 26.8 40.2#

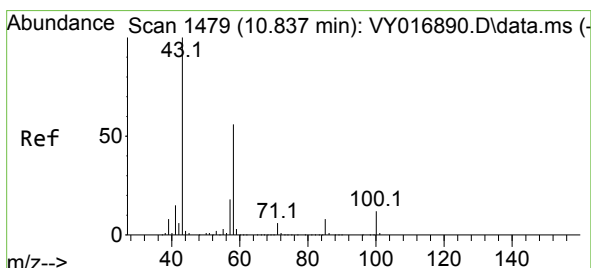
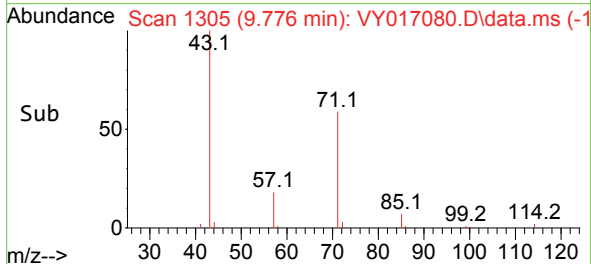
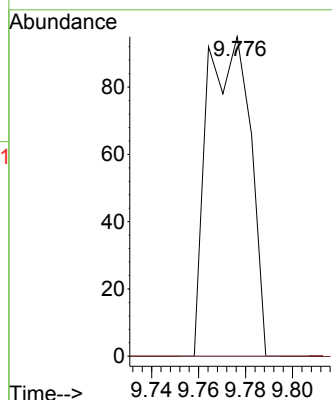
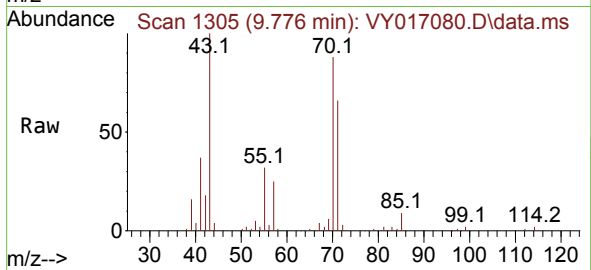




#58  
2-Chloroethyl Vinyl ether  
Concen: 17.629 ug/l  
RT: 9.776 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

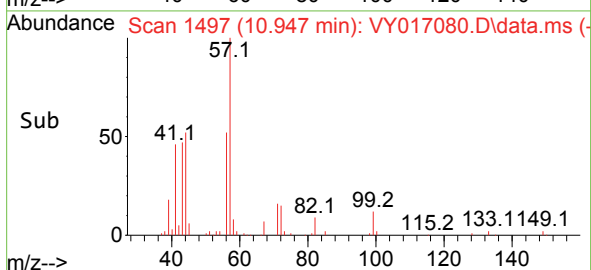
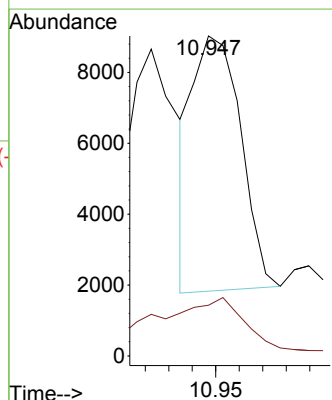
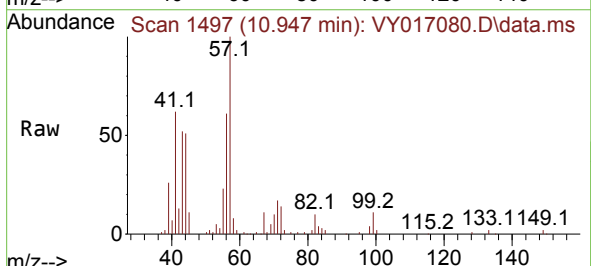
Instrument :  
MSVOA\_Y  
ClientSampleId :

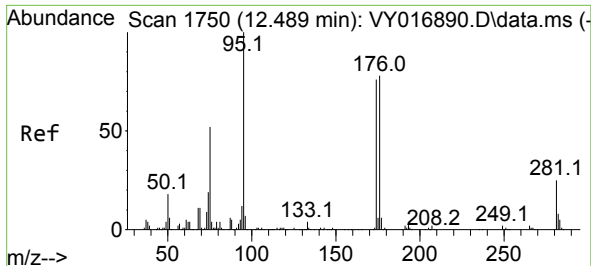
Tgt Ion: 63 Resp: 121  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.4 33.6#



#59  
2-Hexanone  
Concen: 15.732 ug/l  
RT: 10.947 min Scan# 1497  
Delta R.T. 0.104 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 43 Resp: 10262  
Ion Ratio Lower Upper  
43 100  
58 48.1 28.1 84.3

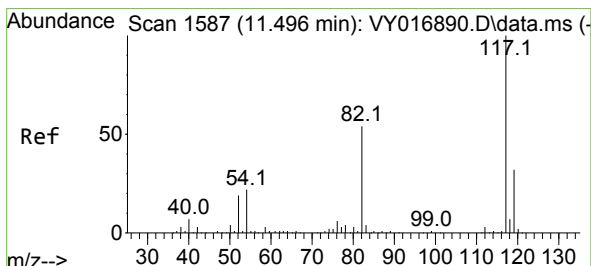
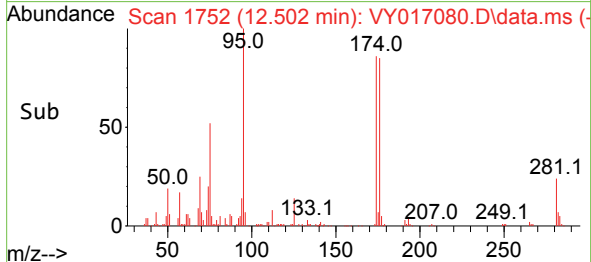
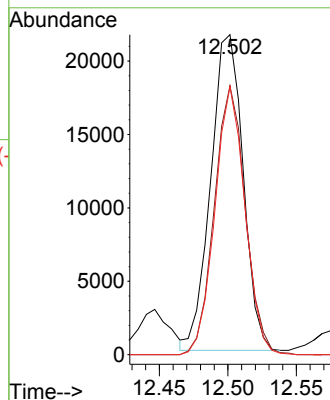
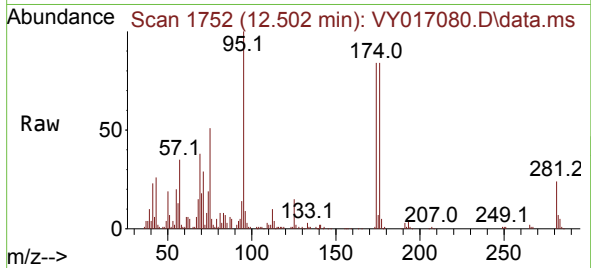




#62  
4-Bromofluorobenzene  
Concen: 23.124 ug/l  
RT: 12.502 min Scan# 1752  
Delta R.T. 0.013 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

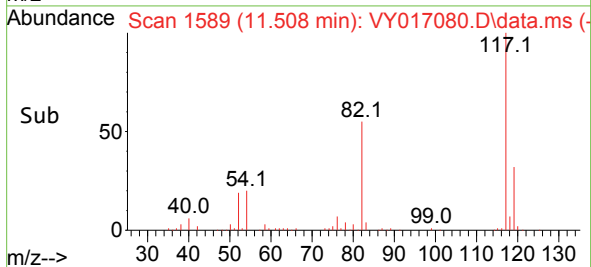
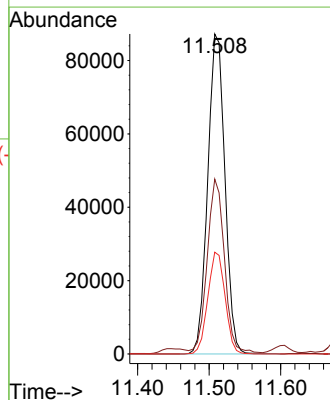
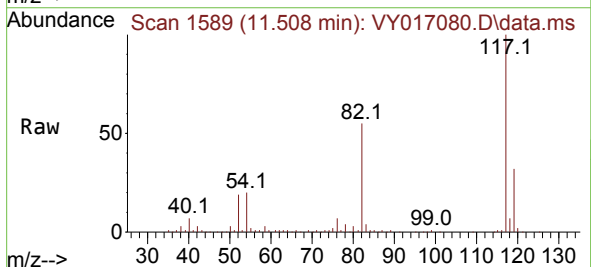
Instrument :  
MSVOA\_Y  
ClientSampleId :

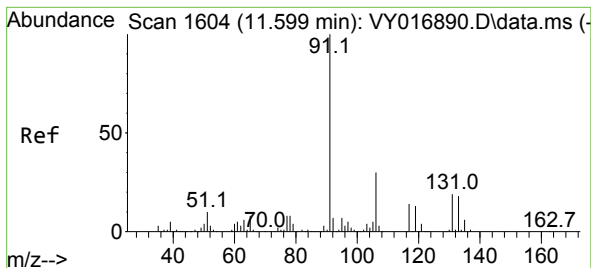
Tgt Ion: 95 Resp: 35286  
Ion Ratio Lower Upper  
95 100  
174 81.6 0.0 160.0  
176 78.8 0.0 151.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 1589  
Delta R.T. 0.006 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 117 Resp: 145740  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.8 65.8  
119 31.8 26.5 39.7





#67

Ethyl Benzene

Concen: 36.163 ug/l

RT: 11.611 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

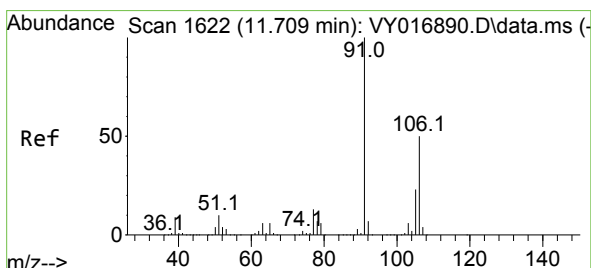
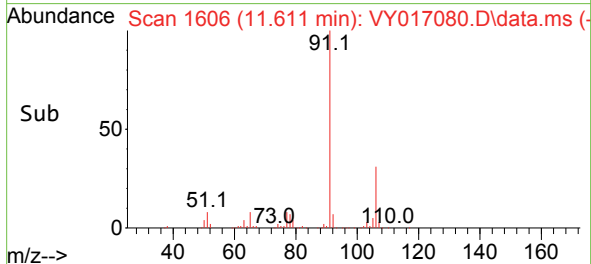
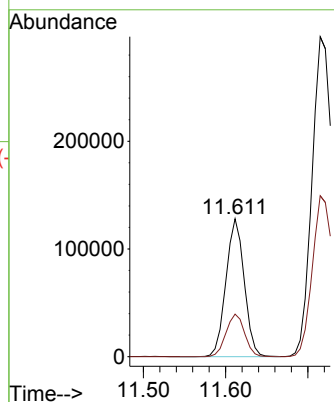
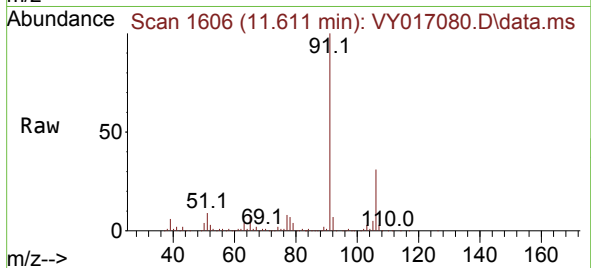
ClientSampleId :

Tgt Ion: 91 Resp: 197664

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4



#68

m/p-Xylenes

Concen: 131.582 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY017080.D

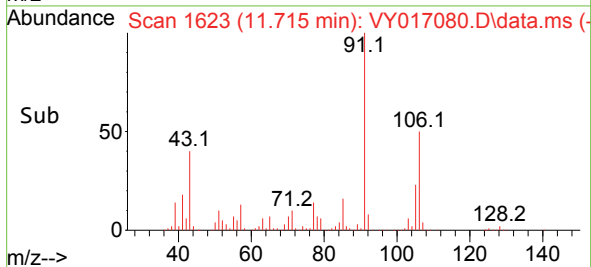
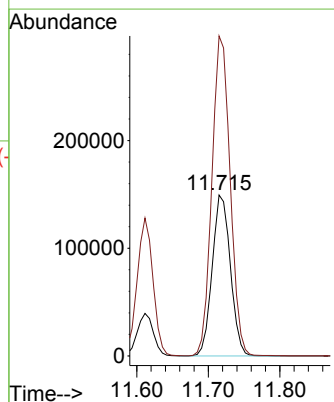
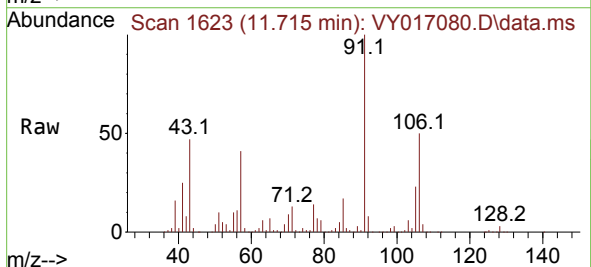
Acq: 22 Jan 2024 17:39

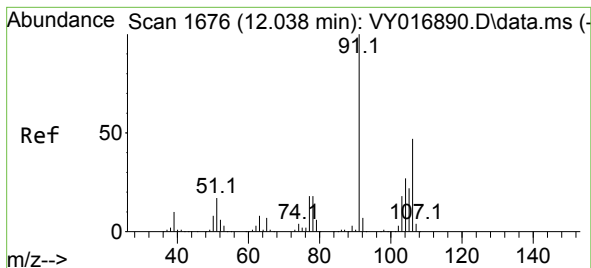
Tgt Ion:106 Resp: 263996

Ion Ratio Lower Upper

106 100

91 199.7 160.7 241.1





#69

o-Xylene

Concen: 80.106 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

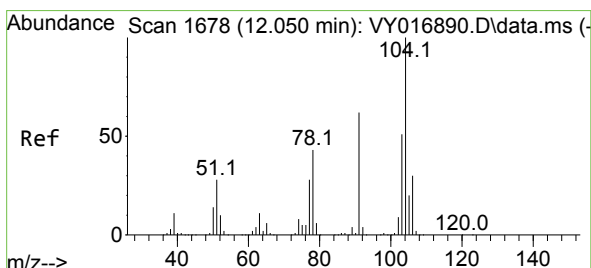
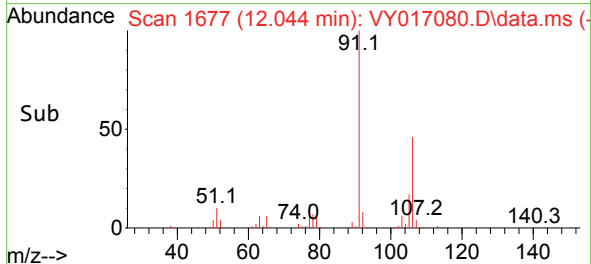
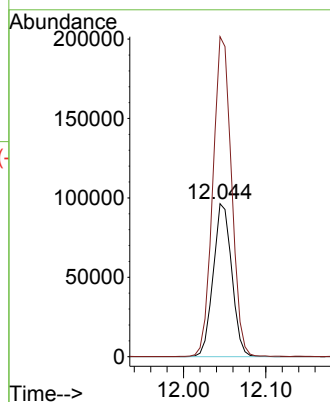
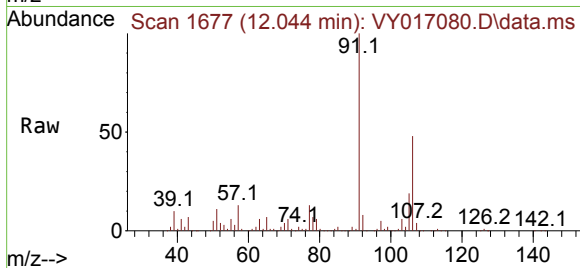
ClientSampleId :

Tgt Ion:106 Resp: 150670

Ion Ratio Lower Upper

106 100

91 210.9 106.5 319.5



#70

Styrene

Concen: 2.748 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.006 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

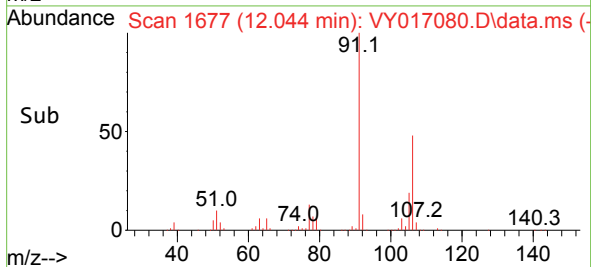
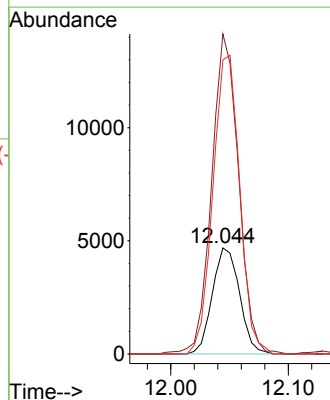
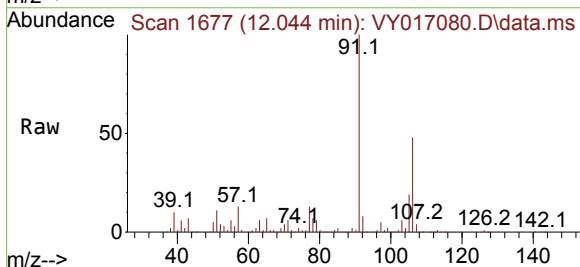
Tgt Ion:104 Resp: 7523

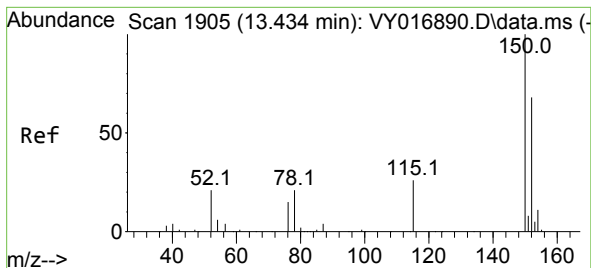
Ion Ratio Lower Upper

104 100

78 299.0 39.2 58.8#

103 278.5 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1905

Delta R.T. 0.013 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

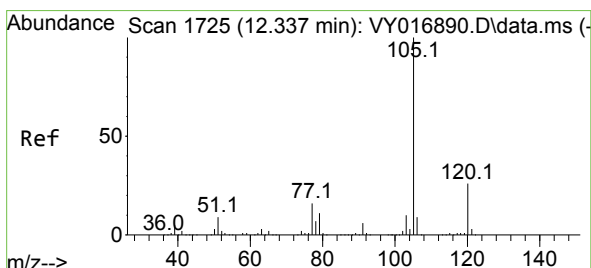
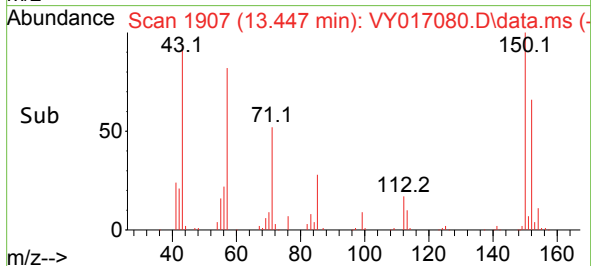
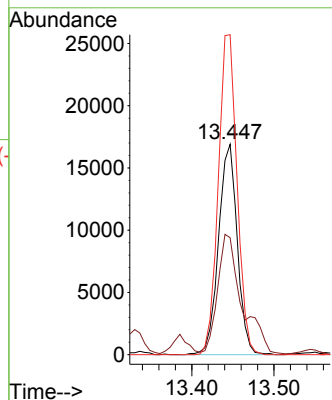
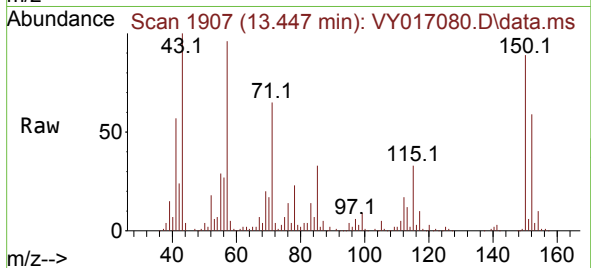
Tgt Ion:152 Resp: 26801

Ion Ratio Lower Upper

152 100

115 73.2 30.0 90.0

150 151.9 0.0 344.6



#73

Isopropylbenzene

Concen: 22.911 ug/l

RT: 12.349 min Scan# 1727

Delta R.T. 0.012 min

Lab File: VY017080.D

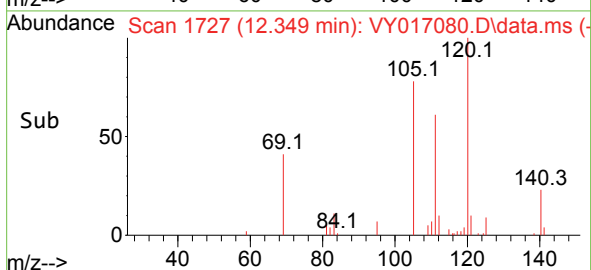
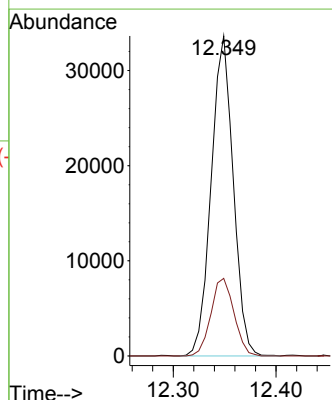
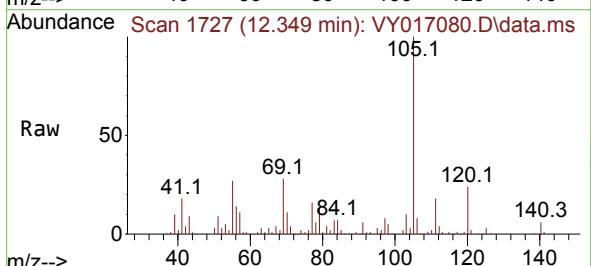
Acq: 22 Jan 2024 17:39

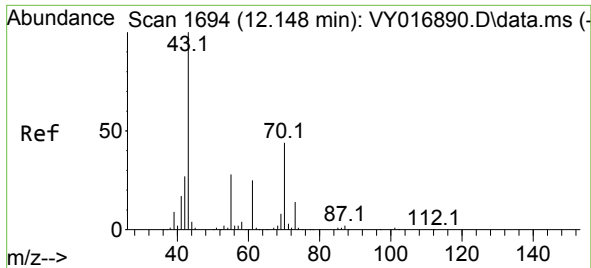
Tgt Ion:105 Resp: 50142

Ion Ratio Lower Upper

105 100

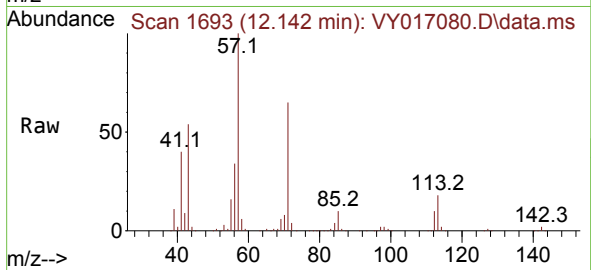
120 25.3 13.0 39.0



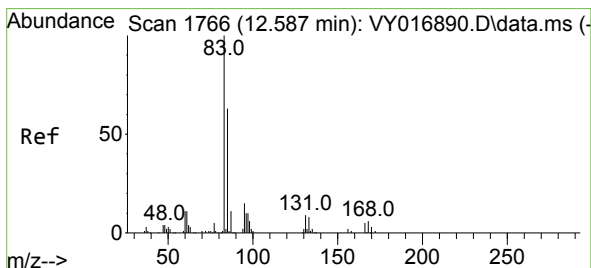
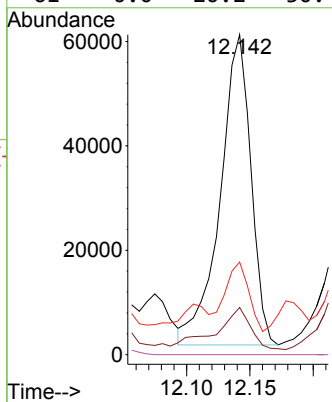
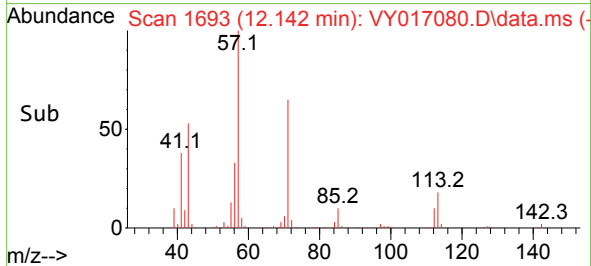


#74  
N-amy1 acetate  
Concen: 228.321 ug/l  
RT: 12.142 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

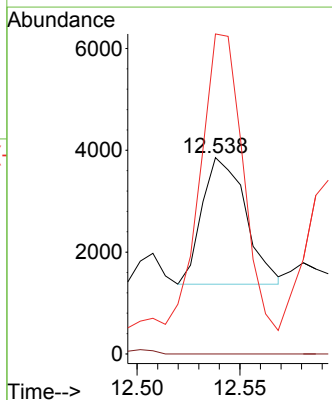
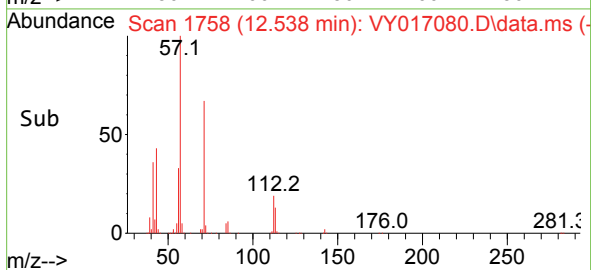
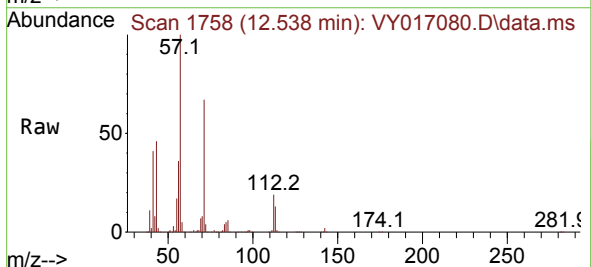


|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 100397    |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 70          | 15.4 36.6 55.0# |
| 55          | 17.3 22.2 33.4# |
| 61          | 0.0 20.2 30.4#  |

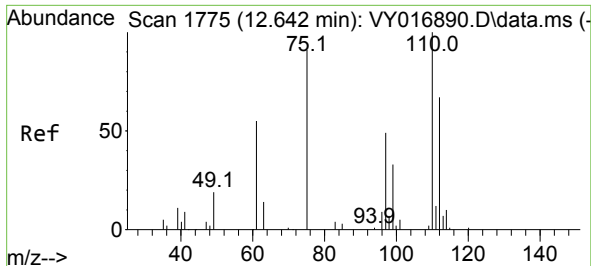


#75  
1,1,2,2-Tetrachloroethane  
Concen: 8.190 ug/l  
RT: 12.538 min Scan# 1758  
Delta R.T. -0.055 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

|             |                  |
|-------------|------------------|
| Tgt Ion: 83 | Resp: 3652       |
| Ion Ratio   | Lower Upper      |
| 83          | 100              |
| 131         | 0.0 4.9 14.6#    |
| 85          | 230.1 32.6 98.0# |



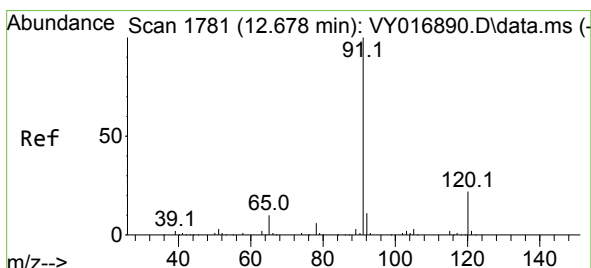
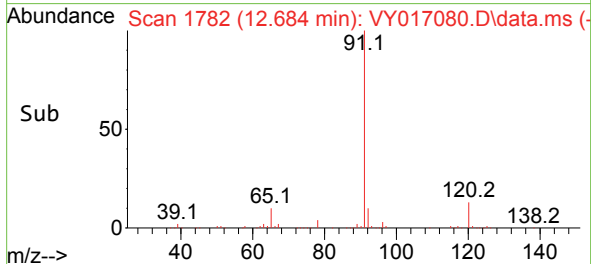
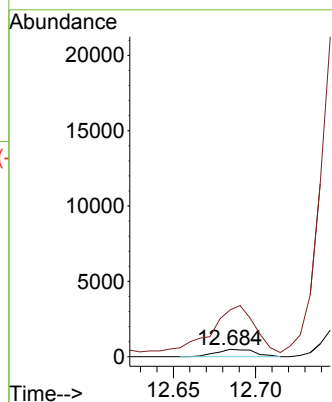
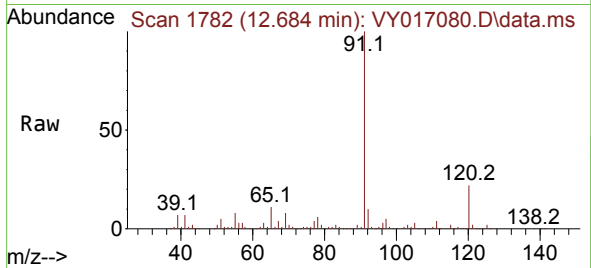




#76  
1,2,3-Trichloropropane  
Concen: 2.716 ug/l  
RT: 12.684 min Scan# 1775  
Delta R.T. 0.042 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

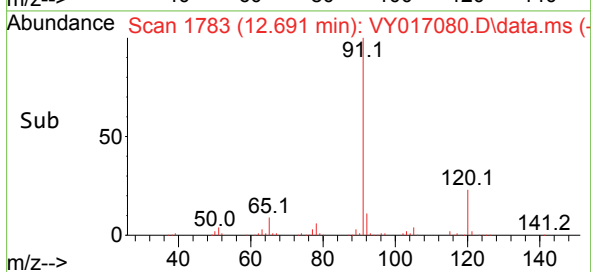
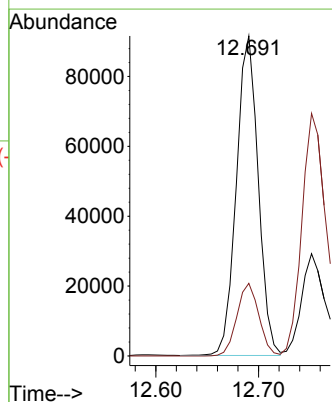
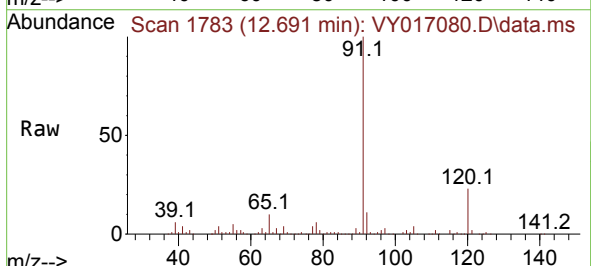
Instrument :  
MSVOA\_Y  
ClientSampleId :

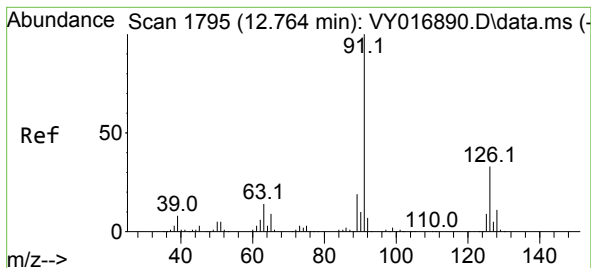
Tgt Ion: 75 Resp: 790  
Ion Ratio Lower Upper  
75 100  
77 717.5 0.0 0.0#



#78  
n-propylbenzene  
Concen: 50.771 ug/l  
RT: 12.691 min Scan# 1783  
Delta R.T. 0.013 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 91 Resp: 135086  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.0 33.0





#79

2-Chlorotoluene

Concen: 29.473 ug/l

RT: 12.752 min Scan# 11

Delta R.T. -0.011 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

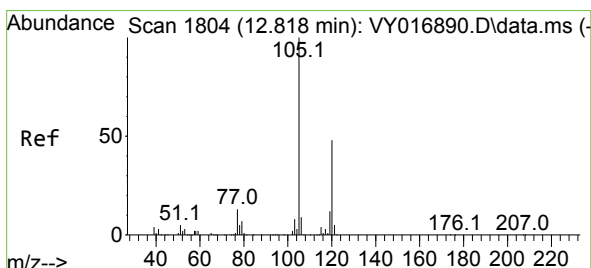
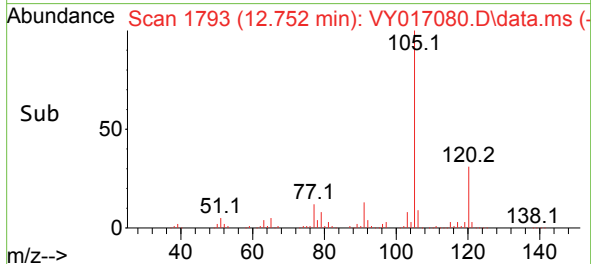
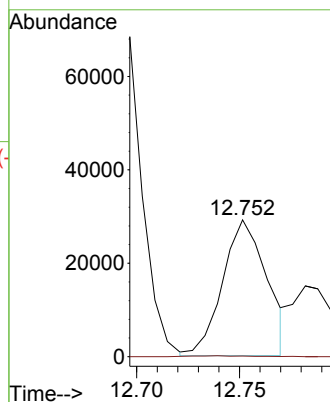
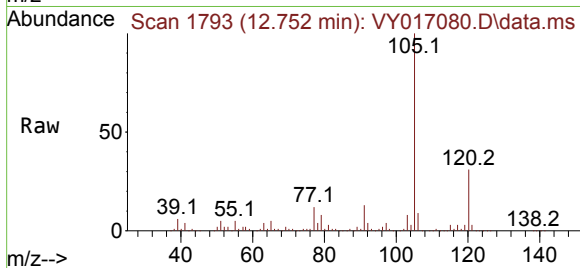
ClientSampleId :

Tgt Ion: 91 Resp: 43485

Ion Ratio Lower Upper

91 100

126 0.9 17.0 51.0#



#80

1,3,5-Trimethylbenzene

Concen: 61.145 ug/l

RT: 12.831 min Scan# 1806

Delta R.T. 0.013 min

Lab File: VY017080.D

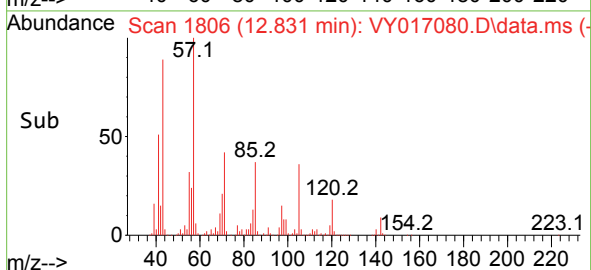
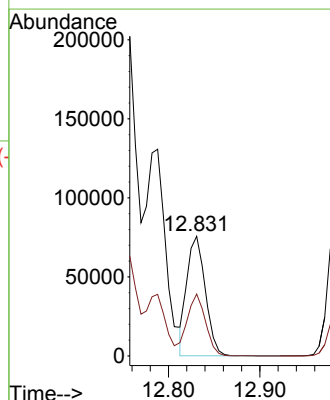
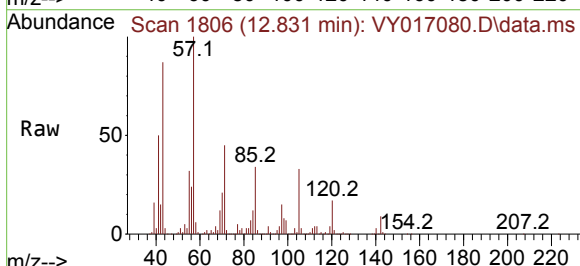
Acq: 22 Jan 2024 17:39

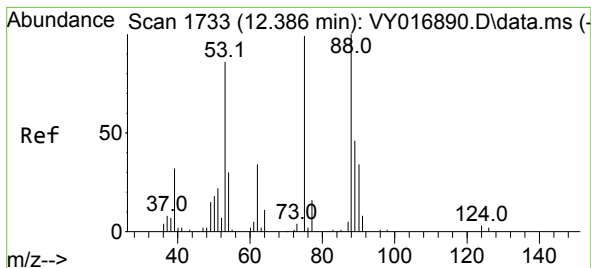
Tgt Ion:105 Resp: 105836

Ion Ratio Lower Upper

105 100

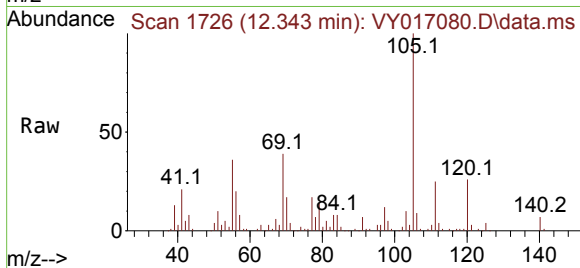
120 53.1 24.3 72.8



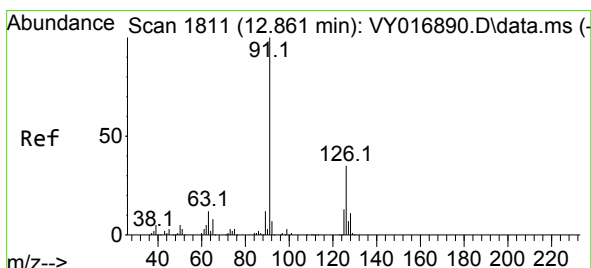
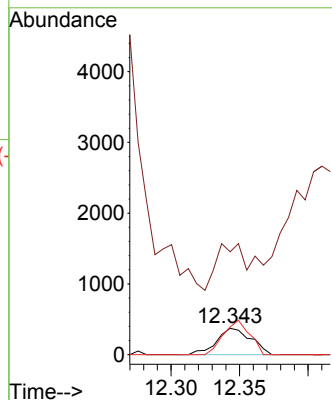
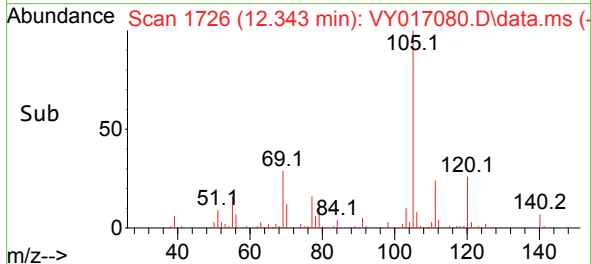


#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.067 ug/l  
RT: 12.343 min Scan# 11  
Delta R.T. -0.042 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

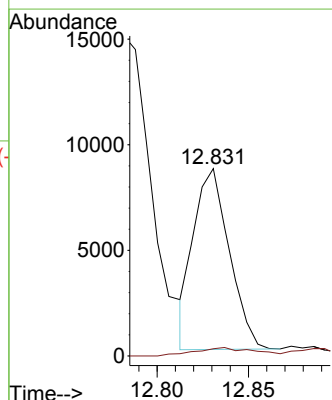
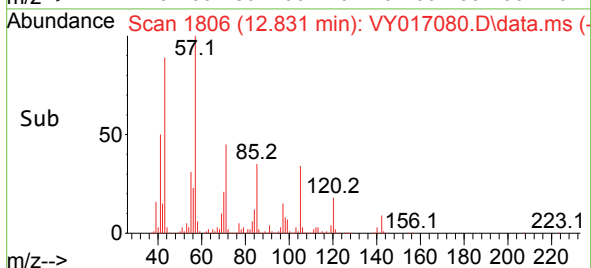
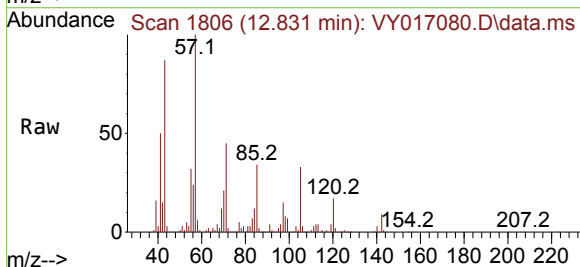


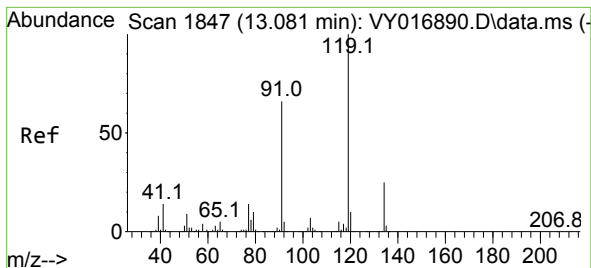
Tgt Ion: 75 Resp: 649  
Ion Ratio Lower Upper  
75 100  
53 185.2 74.0 111.0#  
89 99.4 36.5 54.7#



#82  
4-Chlorotoluene  
Concen: 7.713 ug/l  
RT: 12.831 min Scan# 1806  
Delta R.T. -0.030 min  
Lab File: VY017080.D  
Acq: 22 Jan 2024 17:39

Tgt Ion: 91 Resp: 11626  
Ion Ratio Lower Upper  
91 100  
126 7.7 17.1 51.2#





#83

tert-Butylbenzene

Concen: 31.054 ug/l

RT: 13.136 min Scan# 1856

Delta R.T. 0.049 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

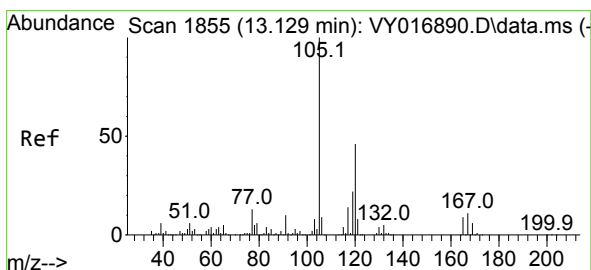
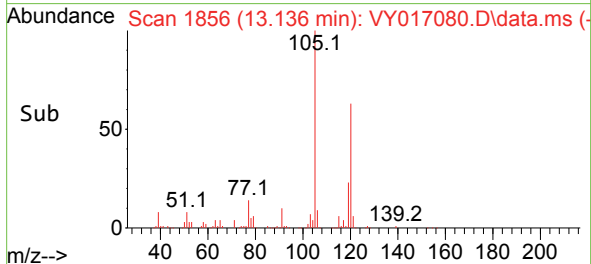
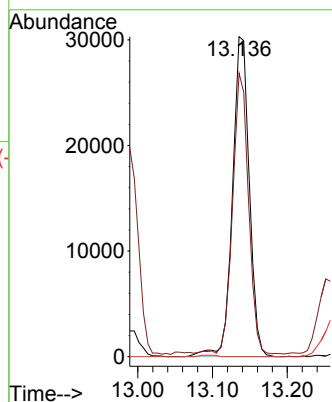
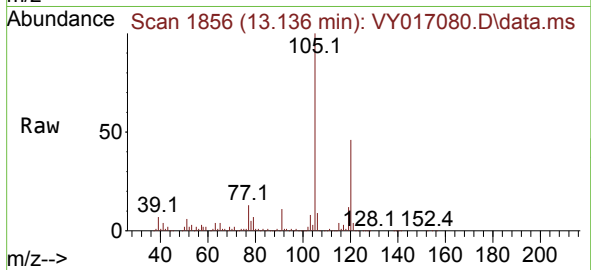
Tgt Ion:119 Resp: 47344

Ion Ratio Lower Upper

119 100

91 83.3 31.5 94.5

134 0.0 13.1 39.3#



#84

1,2,4-Trimethylbenzene

Concen: 222.565 ug/l

RT: 13.136 min Scan# 1856

Delta R.T. 0.007 min

Lab File: VY017080.D

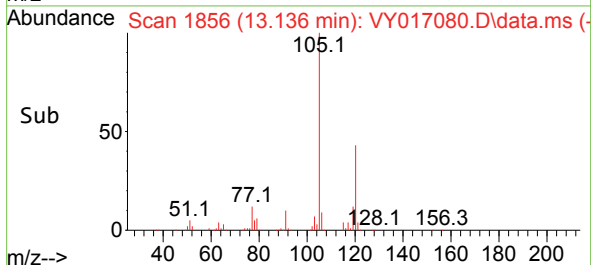
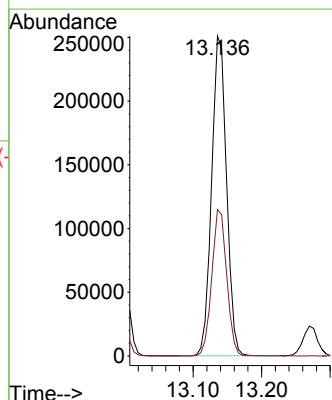
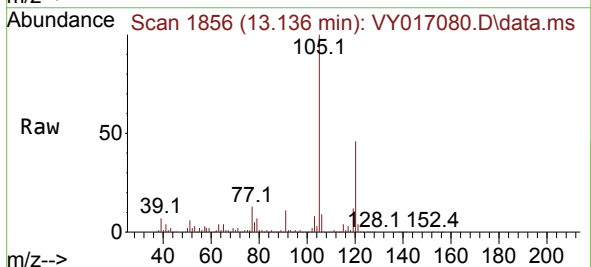
Acq: 22 Jan 2024 17:39

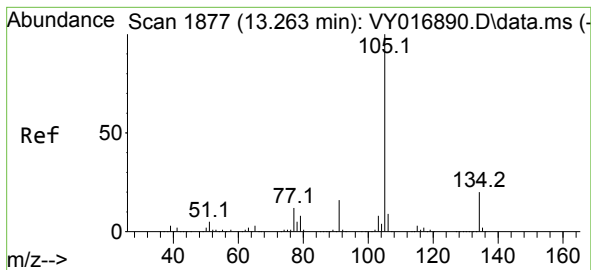
Tgt Ion:105 Resp: 379386

Ion Ratio Lower Upper

105 100

120 45.7 22.1 66.3





#85

sec-Butylbenzene

Concen: 15.019 ug/l

RT: 13.270 min Scan# 1878

Delta R.T. 0.007 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

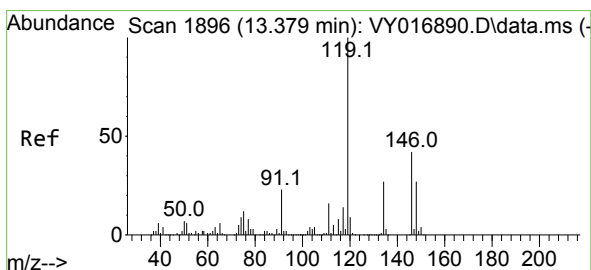
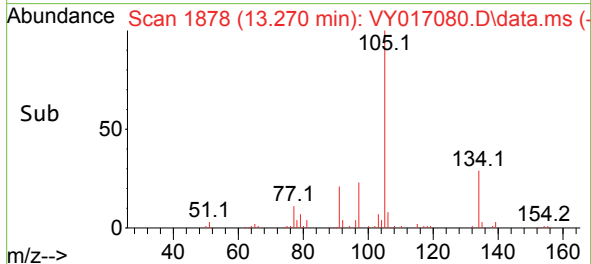
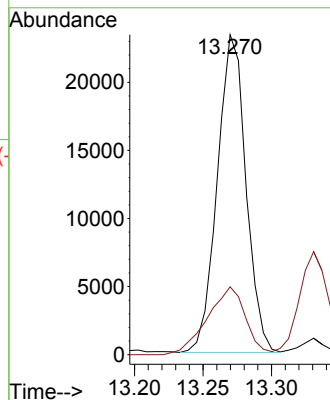
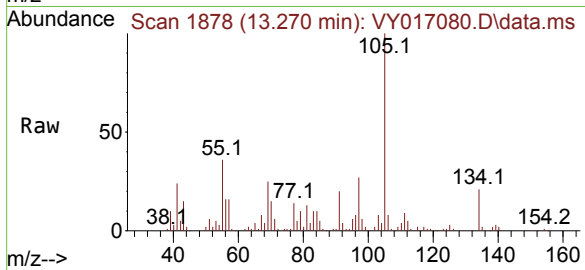
ClientSampleId :

Tgt Ion:105 Resp: 33927

Ion Ratio Lower Upper

105 100

134 28.4 9.7 28.9



#86

p-Isopropyltoluene

Concen: 13.663 ug/l

RT: 13.386 min Scan# 1897

Delta R.T. 0.007 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

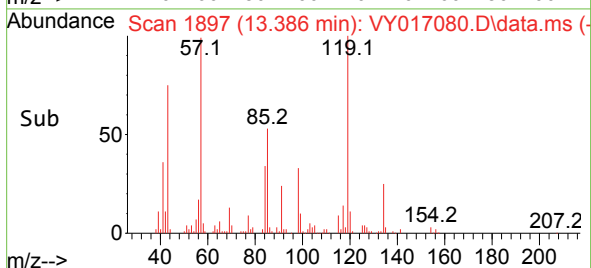
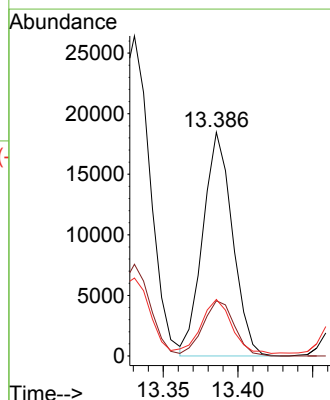
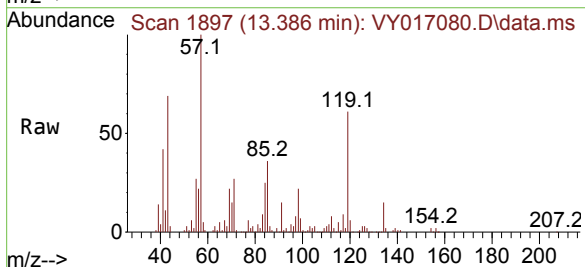
Tgt Ion:119 Resp: 25472

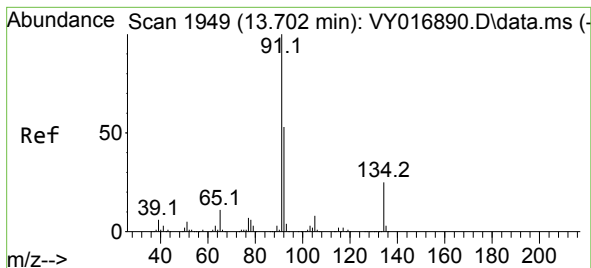
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 24.3 11.7 35.0





#89

n-Butylbenzene

Concen: 22.035 ug/l

RT: 13.715 min Scan# 1951

Delta R.T. 0.013 min

Lab File: VY017080.D

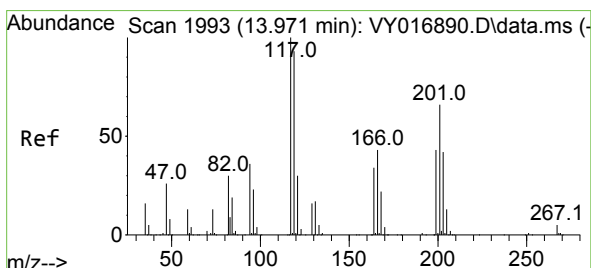
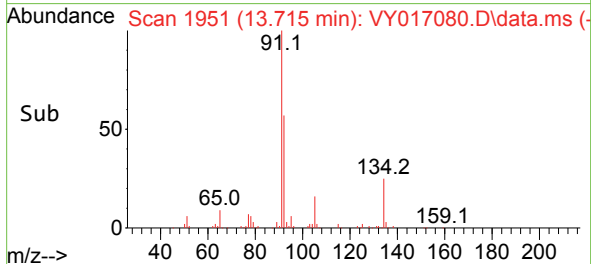
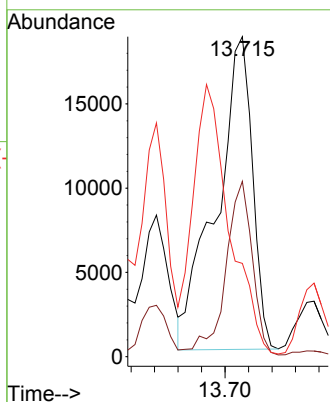
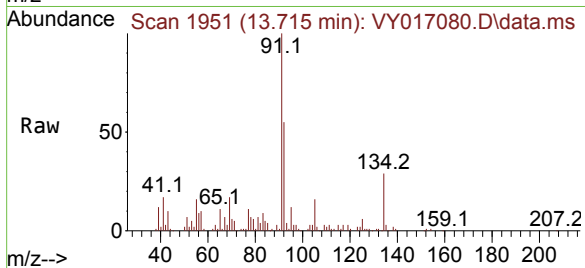
Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 39498    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 42.0 26.4 79.2 |
| 134         | 0.0 12.3 36.8# |



#90

Hexachloroethane

Concen: 9.683 ug/l

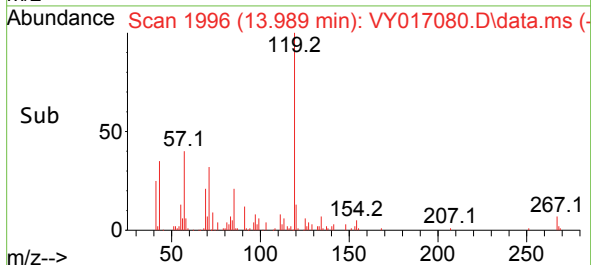
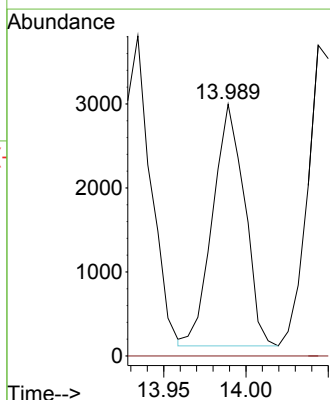
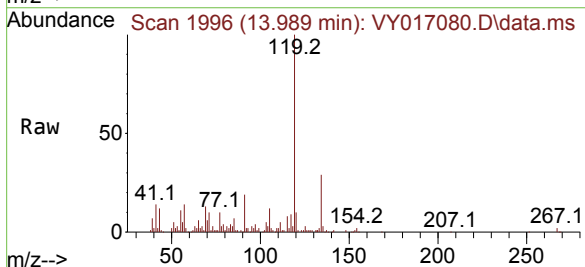
RT: 13.989 min Scan# 1996

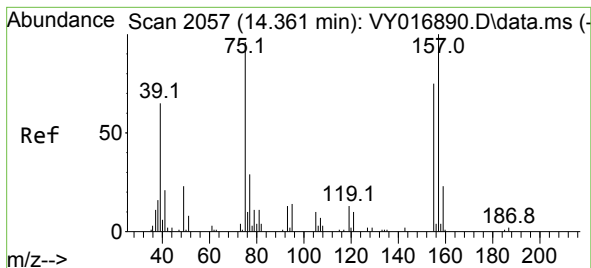
Delta R.T. 0.018 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 3879      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 0.0 33.4 100.1# |





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.913 ug/l

RT: 14.391 min Scan# 2057

Delta R.T. 0.024 min

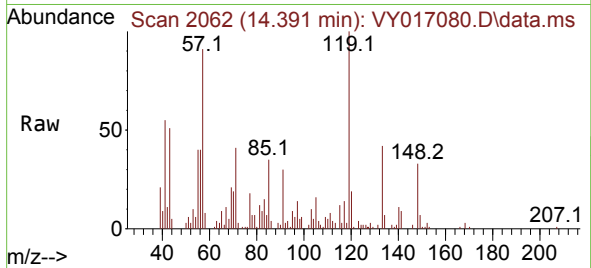
Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA\_Y

ClientSampleId :



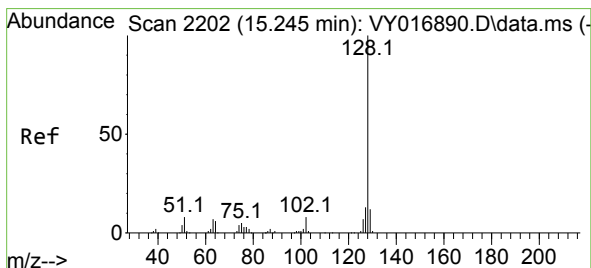
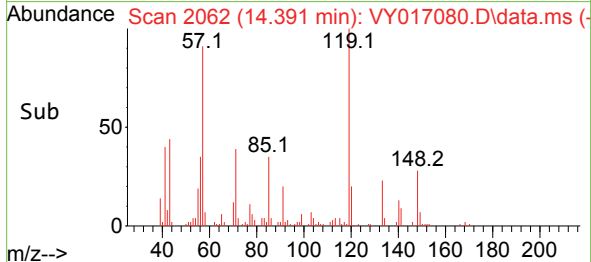
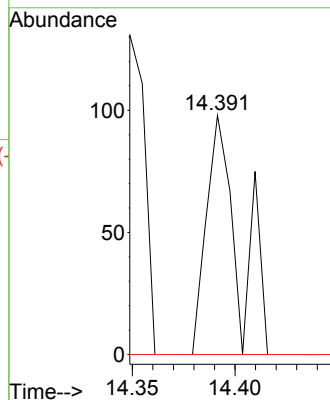
Tgt Ion: 75 Resp: 107

Ion Ratio Lower Upper

75 100

155 0.0 42.1 126.3#

157 0.0 55.8 167.4#



#95

Naphthalene

Concen: 15.195 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Tgt Ion:128 Resp: 10096

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 11.5 8.6 12.8

